STATE OF UTAH
HOLLAND CENTENNIAL COMMONS
DFCM PROJECT #06297640
CONFORMED CONSTRUCTION DOCUMENT BID SET
VOLUME I

DIXIE STATE COLLEGE
ST GEORGE, UTAH

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APPROVALS:

Prime Agency _____ Date _____

DFCM _____ Date _____

APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILITY

APPROVALS:

Prime Agency _____ Date _____

DFCM _____ Date _____

APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILITY

State of Utah - Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4110 State Office Building / Salt Lake City, Utah 84114 / 533-5561

ABBREVIATIONS

NOT ALL ABBREVATIONS MAY BE USED

&	AND
@	AT
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
AL/ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BD	BOARD
BLDG	BUILDING
BLK	BLOCK (ING)
BO	BOTTOM OF
BRG	BEARING
BSMT	BASEMENT
BS	BOTH SIDES
BW	BOTH WAYS
CAB	CABINET
CB	CATCH BASIN
CCSA	CUSTOM COLOR SELECTED BY ARCHITECT
CG	CORNER GUARD
CHAM	CHAMFER
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CM	CONSTRUCTION MANAGER
COL	COLUMN
COMP	COMPUTER
CONC	CONCRETE
CONT	CONTINUOUS
CMU	CONCRETE MASONRY UNIT
CSBA	COLOR SELECTED BY ARCHITECT
CT	CERAMIC TILE
D	DEPTH
DB	DECK BEARING
DBL	DOUBLE
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DRN	DRAIN
DTL/ DET	DETAIL
DW	DISHWASHER
DWG	DRAWING
E	EAST
EA	EACH
EIFS	EXTERIOR INSULATION SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
EVAP	EVAPORATIVE
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FG	FINISH GRADE
FH	FIRE HYDRANT

FIN	FINISHED
FLR	FLOOR
F.O.	FACE OF
FT	FOOT, FEET
FRP	FIBER REINFORCED PANEL
FRT	FIRE RETARDANT TREATED WOOD
FTG	FOOTING
FV	FIELD VERIFY
GA.	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GFRC	GLASSFIBER REINFORCED PANEL
GYP	GYPSUM
GWB	GYPSUM WALLBOARD
HB	HOSE BIBB
HC	HANDICAP ACCESSIBLE
HDW	HARDWARE
HDF	HIGH DENSITY FIBERBOARD
HM	HOLLOW METAL
H	HEIGHT
HOR	HORIZONTAL
ID	INSIDE DIAMETER
ICF	INSULATED CONCRETE FORM
IN	INCH
INCL	INCLUDE
INFO	INFORMATION
INT	INTERIOR
INSUL	INSULATE, (D), (ION)
INV	INVERT
JST	JOIST
JT	JOINT
LAV	LAVATORY
LB/ LBS	POUND (S)
MAT	MATERIAL (S)
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MGR	MANAGER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNT, (ED)
MTL	METAL
MW	MICROWAVE
N	NORTH
NIC	NOT IN CONTRACT
NO.	NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OH	OVERHEAD
OPG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
OZ	OUNCE

PERI	PERIMETER
PERM	PERMENANT
PL	PLATE
PLAM	PLASTIC LAMINATE
PNL	PANEL
P.O.	POINT OF
PR	PAIR
PT	POST TENSIONED
PART	PARTITION
PLY	PLYWOOD
QT	QUARRY TILE
R / RAD	RADIUS
RCP	REFLECTED CEILING PLAN
REC	RECESSED
REF	REFERENCE
REFG	REFRIGERATOR
REINF	REINFORCE (ED)
REM	REMOVE (ED)
REPL	REPLACE
REQD	REQUIRED
REV	REVISION (S)
RM	ROOM
RO	ROUGH OPENING
S	SOUTH
SALV	SALVAGE (ED)
SECT	SECTION
SF	SQUARE FOOT
SIM	SIMILAR
SLNT	SEALANT
SPEC	SPECIFICATION (S)
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUC	STRUCTURE (AL)
SUSP	SUSPENDED
SYM	SYMMETRY (ICAL)
T	THICKNESS
T & B	TOP AND BOTTOM
T & G	TONGUE AND GROOVE
TBD	TO BE DETERMINED
TEMP	TEMPORARY
THRU	THROUGH
T.O.	TOP OF
TRANS	TRANSFORMER
TS	TUBE STEEL
TYP	TYPICAL
UNF	UNFINISHED
UNO	UNLESS OTHERWISE NOTED
VAR	VARIES
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VWC	VINYL WALLCOVERING
W	WEST
W	WIDTH
W/	WITH
WC	WATER CLOSET
WD	WOOD
W/O	WITHOUT
WSCT	WAINSCOT
WWF	WELDED WIRE FABRIC

GENERAL NOTES

1. THE FOLLOWING GENERAL NOTES APPLY TO ALL ARCHITECTURAL DRAWINGS. FOR GENERAL NOTES APPLICABLE TO EACH DISCIPLINES, REFER TO THE FRONT OF THE EACH DISCIPLINES DRAWINGS AS LISTED IN THE PROJECT INDEX OF DRAWINGS.
2. ALL PARTS OF THE WORK - INCLUDING MATERIALS, METHODS, ASSEMBLIES, ETC - MUST COMPLY WITH THE MINIMUM REQUIREMENTS OF THE GOVERNING REGULATIONS OF ALL FEDERAL, STATE, DISTRICT AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT AS WELL AS THOSE GREATER REQUIREMENTS INDICATED BY THE CONTRACT DOCUMENTS. NO PART OF THE CONTRACT DOCUMENTS MAY BE CONSTRUED TO REQUIRE OR PERMIT WORK CONTRARY TO A GOVERNING REGULATION.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY
4. AS PART OF THE CONTRACTORS RESPONSIBILITY TO COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS, THE CONTRACTOR SHALL ENDEAVOR TO IDENTIFY AND NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THAT WHICH IS REQUIRED BY THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT
5. THE BUILDING WILL HAVE AN UNDERGROUND WATERPROOF MEMBRANE. ALL CONTRACTORS TO MINIMIZE PENETRATIONS AND COORDINATE THEM WITH THE WATERPROOFING SUBCONTRACTOR.
6. THE BUILDING WILL HAVE AN AIR AND MOISTURE BARRIER ON THE NON-GLAZED WALLS. ALL CONTRACTORS TO MINIMIZE PENETRATIONS AND COORDINATE THEM WITH THE WATERPROOFING SUBCONTRACTOR.
7. ALL PENETRATIONS IN FIRE RATED ASSEMBLIES WILL BE INSTALLED BY A SINGLE SUBCONTRACTOR. ALL CONTRACTORS TO MINIMIZE PENETRATIONS AND COORDINATE THEM WITH THE FIREPROOFING SUBCONTRACTOR.
8. THE ARCHITECTURAL DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL THE TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL PARTS OF THE WORK:
EXCEPTION: DIMENSIONED LOCATIONS SHOWN ON DRAWINGS OF OTHER DISCIPLINES SHALL GOVERN ONLY WHERE:
   1. SPECIFICALLY AND INDIVIDUALLY INDICATED BY SYMBOL, KEYED NOTE OR NOTATION ON THE ARCHITECTURAL DRAWINGS
   2. OCCURRING WITHIN A ROOM OR OTHER IDENTIFIED SPACE FOR WHICH ARCHITECTURAL SHEET OR SCHEDULE NOTES INDICATE THAT DIMENSIONS PROVIDED ELSEWHERE SHALL GOVERN
9. EVERY STRUCTURE, AND PORTION THEREOF, INCLUDING NONSTRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS, SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS IN ACCORDANCE WITH ASCE 7-05. INCLUDE ALL SUSPENDED CEILING CLOUDS AND SYSTEMS.
10. THE THREE DIMENSIONAL VIEWS SHOWN ON VARIOUS SHEETS ARE PROVIDED TO HELP EXPLAIN THE OVERALL CONCEPT AND INTENT OF THE BUILDING DESIGN AND ARE TO BE USED FOR REFERENCE ONLY. BIDDERS ARE NOT TO USE THESE VIEWS TO DETERMINE COMPONENT TYPES, QUANTITIES, ASSEMBLY METHODS OR ANY OTHER INFORMATION WHICH RELATE TO CONSTRUCTION COST. THEY ARE PROVIDED TO GIVE A BETTER UNDERSTANDING OF THE DRAWINGS.
11. FOR BASIC LIFE SAFETY AND CODE INFORMATION APPLYING TO THIS PROJECT, REFER TO THE CODE COMPLIANCE DRAWINGS IN THE GENERAL INFORMATION SECTION OF THIS SET.

VICINITY MAP

REFERENCE SYMBOL LEGEND

BUILDING SECTION — SIM; 1 / A101; WALL SECTION NUMBER; DIRECTION OF VIEW; SHEET WHERE DRAWN

SECTION DETAIL REFERENCE — SIM; 1 / A101; ELEVATION NUMBER AND DIRECTION; SHEET WHERE DRAWN

WALL SECTION — SIM; 1 / A101; WALL SECTION NUMBER; DIRECTION OF VIEW; SHEET WHERE DRAWN

LAYOUT GRID LINES — 1; A; GRID IDENTIFICATION

EXTERIOR ELEVATION — AX.X; X; SHEET WHERE DRAWN; ELEVATION NUMBER AND DIRECTION

INTERIOR ELEVATION — AX.X; 1; 2; 3; 4; ELEVATION NUMBER AND DIRECTION; SHEET WHERE DRAWN

LEVEL LINE — SECOND LEVEL 116'-0"

ROOM NAME AND NUMBER — Room name 101

DETAIL REFERENCE — SIM; 1 / A101; DETAIL NUMBER; SHEET WHERE DRAWN, HYPHEN INDICATES DETAIL ON SAME SHEET.

PARTITION TYPE MARK — XX; SEE PARTITION SYMBOL DESCRIPTION ON SHEET A9.2

DRAWING TAGS

REVISION TAG — REVISION NUMBER 1

FLOOR TRANSITION MARKER — TRANSITION SYMBOL

CEILING TAG — CEILING TYPE; CEILING HEIGHT

ELEVATION MARKER

WINDOW TAG — WINDOW MARKER; XXXX

FINISH TAG — F?; L?; T?; R?; B?; B?

SHEET SYMBOLS

1 DRAWING TITLE — BASIC DRAWING TITLE

NORTH — PROJECT NORTH

MATCH LINE — A

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A443	ENLARGED PLANS & ELEVATIONS LEVEL4
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A550	STANDARD VERTICAL CIRCULATION DETAILS
A551	STAIR AND RAILING DETAILS
A552	GRAND STAIR DETAILS
A553	GRAND STAIR DETAILS
A554	AMPHITHEATER STAIR DETAILS
A555	ELEVATOR DETAILS
A560	DOOR AND WINDOW DETAILS
A561	ALUMINUM SYSTEM DETAILS
A562	ALUMINUM SYSTEM DETAILS
A570	MILLWORK DETAILS
A571	MILLWORK DETAILS
A572	MILLWORK DETAILS
A573	MILLWORK DETAILS
A580	FLOOR AND THRESHOLD DETAILS
A581	ENLARGED FLOOR PATTERN DETAILS
A610	DOOR SCHEDULES
A611	DOOR FRAME ELEVATIONS
A612	DOOR FRAME ELEVATIONS
A620	WINDOW ELEVATIONS
A622	CURTAINWALL ELEVATIONS
A623	CURTAINWALL ELEVATIONS
A624	CURTAINWALL ELEVATIONS
A650	SIGNAGE SCHEDULE
A651	SIGNAGE SCHEDULE
A652	SIGNAGE SCHEDULE
A653	SIGNAGE SCHEDULE
A660	SIGNAGE TYPES AND DETAILS
A661	SIGNAGE TYPES AND DETAILS
A901	3D EXTERIOR VIEWS
A905	BUILDING SECTIONS
A910	3D VIEWS LEVEL 01
A920	3D VIEWS LEVEL 02
A940	3D VIEWS LEVEL 04-05
FOOD SERVICE	
FS101	FOOD SERVICE EQUIPMENT PLANS
FS102	FOOD SERVICE EQUIPMENT BUILDING REQUIREMENT PLANS
FS103	FOOD SERVICE EQUIPMENT PLUMBING REQUIREMENT PLANS
FS104	FOOD SERVICE EQUIPMENT ELECTRICAL REQUIREMENT PLANS
FS105	FOOD SERVICE EQUIPMENT CUSTOM EQUIPMENT DETAILS
STRUCTURAL	
S001	GENERAL STRUCTURAL NOTES
S002	GENERAL STRUCTURAL NOTES
S110	BUILDING LOADS AT FOUNDATION LEVEL FOR PIER LAYOUT
S111	LEVEL 01 - FOOTING AND FOUNDATION PLAN
S121	LEVEL 02 - FLOOR FRAMING PLAN
S122	LEVEL 02M - FLOOR FRAMING PLAN
S131	LEVEL 03 - FLOOR FRAMING PLAN
S141	LEVEL 04 - FLOOR FRAMING PLAN
S151	LEVEL 05 - FLOOR FRAMING PLAN
S161	PENTHOUSE ROOF LEVEL AND CANOPY FRAMING PLAN
S162	ROOF LEVEL - FRAMING PLAN
S171	INTERMEDIATE STAIR LANDING FRAMING PLANS
S172	GRAND STAIR PLANS AND SECTION
S173	AMPHITHEATER PLANS AND SECTIONS
S401	MOMENT FRAME ELEVATIONS
S402	MOMENT FRAME ELEVATIONS
S403	MOMENT FRAME DETAILS
S404	MOMENT FRAME DETAILS
S405	BRACED FRAME SCHEDULES AND DETAILS
S501	FOOTING AND FOUNDATION DETAILS
S502	FOOTING AND FOUNDATION DETAILS
S503	FOOTING AND FOUNDATION DETAILS
S510	FLOOR FRAMING DETAILS
S511	FLOOR FRAMING DETAILS
S512	FLOOR FRAMING DETAILS
S513	FLOOR FRAMING DETAILS
S514	FLOOR FRAMING DETAILS
S520	STAIR FRAMING DETAILS
S530	GFRC PANEL SUPPORT DETAILS
S540	ROOF FRAMING DETAILS
S541	ROOF FRAMING DETAILS
S542	ROOF FRAMING DETAILS
S601	SCHEDULES
S602	SCHEDULES
S603	SCHEDULES
S604	FLOOR LOADS DIAGRAM SCHEDULE
SS501	TUNNEL PLAN AND DETAILS
Grand total: 267	

SHEET INDEX VOLUME II

SHEET N0.	SHEET NAME
GENERAL	
CVR-V2	DFCM COVER
G001.2	SHEET INDEX VOL. II
MECHANICAL	
MPS101	MECHANICAL PLANT SITE AND TUNNEL SUPPORTS, ANCHORS, AND PIPING PLAN
MPS501	MECHANICAL SITE DETAILS AND SCHEDULES
MPS502	MECHANICAL SITE DETAILS AND SCHEDULES
MPS503	MECHANICAL SITE DETAILS AND SCHEDULES
MH001	MECHANICAL LEGEND, SYMBOLS, & ABBREVIATIONS
FP101	LEVEL 01 FIRE PROTECTION FLOOR PLAN
FP102	LEVEL 02 FIRE PROTECTION FLOOR PLAN
FP102M	LEVEL 02M FIRE PROTECTION FLOOR PLAN
FP103	LEVEL 03 FIRE PROTECTION FLOOR PLAN
FP104	LEVEL 04 FIRE PROTECTION FLOOR PLAN
FP105	LEVEL 05 FIRE PROTECTION FLOOR PLAN
FP401	ENLARGED FIRE PROTECTION PLANS
MH101	LEVEL 01 MECHANICAL FLOOR PLAN
MH102	LEVEL 02 MECHANICAL FLOOR PLAN
MH102M	LEVEL 02M MECHANICAL FLOOR PLAN
MH103	LEVEL 03 MECHANICAL FLOOR PLAN
MH104	LEVEL 04 MECHANICAL FLOOR PLAN
MH105	LEVEL 05 MECHANICAL FLOOR PLAN
MH106	ROOF MECHANICAL PLAN
MH201	MECHANICAL SCHEMATICS
MH202	MECHANICAL SCHEMATICS
MH203	MECHANICAL SCHEMATICS
MH204	MECHANICAL SCHEMATICS
MH205	MECHANICAL SCHEMATICS
MH301	MECHANICAL SECTIONS
MH401	ENLARGED MECHANICAL PLANS
MH402	ENLARGED MECHANICAL PLANS
MH501	MECHANICAL DETAILS
MH502	MECHANICAL DETAILS
MH503	MECHANICAL DETAILS
MH504	MECHANICAL DETAILS
MH505	MECHANICAL DETAILS
MH601	MECHANICAL SCHEDULES
MH602	MECHANICAL SCHEDULES
MH603	MECHANICAL SCHEDULES
MH604	MECHANICAL SCHEDULES
MP101	LEVEL 01 MECHANICAL PIPING FLOOR PLAN
MP102	LEVEL 02 MECHANICAL PIPING FLOOR PLAN
MP102M	LEVEL 02M MECHANICAL PIPING FLOOR PLAN
MP103	LEVEL 03 MECHANICAL PIPING FLOOR PLAN
MP104	LEVEL 04 MECHANICAL PIPING FLOOR PLAN
MP105	LEVEL 05 MECHANICAL PIPING FLOOR PLAN
PL101	LEVEL 01 PLUMBING FLOOR PLAN
PL102	LEVEL 02 PLUMBING FLOOR PLAN
PL102M	LEVEL 02 MEZZ. PLUMBING PLAN
PL103	LEVEL 03 PLUMBING FLOOR PLAN
PL104	LEVEL 04 PLUMBING FLOOR PLAN
PL105	LEVEL 05 PLUMBING FLOOR PLAN
PL106	ROOF PLUMBING FLOOR PLAN
PL201	PLUMBING SCHEMATIC
PL401	ENLARGED PLUMBING PLANS
PL402	ENLARGED PLUMBING PLANS
PL403	ENLARGED PLUMBING PLANS
PL501	PLUMBING DETAILS
PL502	PLUMBING DETAILS
PL601	PLUMBING SCHEDULES
ELECTRICAL	
EE001	SHEET INDEX, ABBREVIATIONS, & NOTES
EE002	SYMBOLS LEGEND
EE701	TYPICAL MOUNTING HEIGHT DETAILS
ES101	ELECTRICAL UTILITY PLAN
ES102	SITE ELECTRIC PLAN
ES103	OVERALL SITE ELECTRICAL PLAN
ES104	TUNNEL ELECTRICAL PLAN
EP101	LEVEL 1 POWER PLAN
EP102	LEVEL 2 POWER PLAN
EP102M	LEVEL 2 MEZZANINE POWER PLAN
EP103	LEVEL 3 POWER PLAN
EP104	LEVEL 4 POWER PLAN
EP105	LEVEL 5 POWER PLAN
EP106	ROOF POWER PLAN
EP107	ROOF LIGHTNING PROTECTION PLAN
EP401	ENLARGED POWER PLANS
EP402	ENLARGED COMPUTER ROOM PLANS
EP403	ENLARGED POWER PLANS
EP404	ENLARGED POWER PLANS
EP405	ENLARGED POWER PLANS
EP501	DETAILS
EP601	PARTIAL POWER ONE-LINE DIAGRAM - MEDIUM VOLTAGE
EP602	ONE-LINE DIAGRAM
EP603	ONE-LINE DIAGRAM
EP604	GROUNDING RISER DIAGRAM
EP605	EQUIPMENT SCHEDULES
EP606	EQUIPMENT SCHEDULES
EP607	PANEL SCHEDULES
EP608	PANEL SCHEDULES
EP609	PANEL SCHEDULES
EP610	PANEL SCHEDULES
EP611	PANEL SCHEDULES
EL101	LEVEL 1 LIGHTING PLAN
EL102	LEVEL 2 LIGHTING PLAN
EL102M	LEVEL 2 MEZZANINE LIGHTING PLAN
EL103	LEVEL 3 LIGHTING PLAN
EL104	LEVEL 4 LIGHTING PLAN
EL105	LEVEL 5 LIGHTING PLAN
EL106	ROOF LIGHTING PLAN
EL501	DETAILS
EL601	FIXTURE SCHEDULE
EL602	LIGHTING RELAY SCHEDULES
ET101	LEVEL 1 TELECOMMUNICATIONS PLAN
ET102	LEVEL 2 TELECOMMUNICATIONS PLAN
ET102M	LEVEL 2 MEZZANINE TELECOMMUNICATIONS PLAN
ET103	LEVEL 3 TELECOMMUNICATIONS PLAN
ET104	LEVEL 4 TELECOMMUNICATIONS PLAN
ET105	LEVEL 5 TELECOMMUNICATIONS PLAN
ET601	TELECOMMUNICATIONS RISER DIAGRAM
EJ101	LEVEL 1 AV ROUGH IN PLAN
EJ102	LEVEL 2 AV ROUGH IN PLAN
EJ102M	LEVEL 2 MEZZANINE AV ROUGH IN PLAN
EJ103	LEVEL 3 AV ROUGH IN PLAN
EJ104	LEVEL 4 AV ROUGH IN PLAN
EJ105	LEVEL 5 AV ROUGH IN PLAN
EJ501	AV ROUGH IN DETAILS
EJ601	AV ROUGH IN RISER DIAGRAMS
EJ602	AV ROUGH IN SCHEDULES
EY101	LEVEL 1 SECURITY PLAN
EY102	LEVEL 2 SECURITY PLAN
EY102M	LEVEL 2 MEZZANINE SECURITY PLAN
EY103	LEVEL 3 SECURITY PLAN
EY104	LEVEL 4 SECURITY PLAN
EY105	LEVEL 5 SECURITY PLAN
EY106	ROOF SECURITY PLAN
EY601	SECURITY SCHEDULES
EY602	SECURITY DETAILS
EY603	SECURITY DIAGRAMS
FA101	LEVEL 1 FIRE ALARM PLAN
FA102	LEVEL 2 FIRE ALARM PLAN
FA102M	LEVEL 2 MEZZANINE FIRE ALARM PLAN
FA103	LEVEL 3 FIRE ALARM PLAN
FA104	LEVEL 4 FIRE ALARM PLAN
FA105	LEVEL 5 FIRE ALARM PLAN
FA106	ROOF FIRE ALARM PLAN
FA601	FIRE ALARM RISER
Grand total: 134	

NOTE:

1. SHEET G001.1 CONTAINS A LIST OF DRAWINGS WHICH COMPRISE A FULL SET OF DRAWINGS FOR THIS PROJECT. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE RESPONSIBLE FOR THE INFORMATION CONTAINED IN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS. IF ANY PERSON, PARTY OR ENTITY ELECTS TO SUBMIT BIDS FOR ANY PORTION, OR ALL, OF THIS PROJECT, THAT PERSON, PARTY OR ENTITY SHALL BE RESPONSIBLE FOR ANY AND ALL INFORMATION CONTAINED IN THESE DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDUMS OR CLARIFICATIONS THAT MAY BE ISSUED.
2. THESE DOCUMENTS SHOW THE DESIGN INTENT. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE EVERYTHING SHOWN ON THE DRAWINGS OR SPECIFIED REGARDLESS OF WHERE IT IS SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS. FOR EXAMPLE; SOME MILLWORK DETAILS HAVE STEEL FRAMES WHICH MAY BE PROVIDED BY DIVISION 05 OR WITH THE MILLWORK AT THE CONTRACTOR'S DISCRETION, BUT IT SHALL BE PROVIDED AS PART OF THE CONTRACT.
3. EVERYTHING CALLED FOR IN THESE DOCUMENTS SHALL BE "NEW" AND PROVIDED BY THE CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT UNLESS NOTED OTHERWISE AS EXISTING (EXIST), NOT IN CONTRACT (NIC) OR FOR REFERENCE ONLY. FURNISHINGS SHOWN DASHED SHALL BE FOR REFERENCE ONLY.

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

SASAKI

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

SHEET INDEX VOL. I

G001.1
Sheet Number

SPECIAL INSPECTIONS

SPECIAL INSPECTION AND TESTING (IBC 2009 SECTION 1704)

Indicate required Special inspections for project by checking the appropriate boxes:

FABRICATORS (IBC1704.2)

☐ Approved Fabricator	Fabricators Name:
☐ Unapproved Fabricator	Fabricators Name:

In-plant inspections NOT REQUIRED BY DFCM INSPECTOR
☐ Steel Construction ☐ Welding ☐ Details

STEEL (IBC1704.3)

ITEM			REFERENCE / COMMENTS
High Strength Bolting(1704.3.3)	☐ Continuous	☒ Periodic	FOR TESTING FREQUENCIES REFER TO STRUCTURAL DRAWINGS AND SPECIFICATION SECTIONS: 05 1200 05 2100 05 3100
WELDING (1704.3.1)			
Details (1704.3.2)			
Complete & partial penetration groove welds	☒ Continuous	☐ Periodic	
Multipass fillet welds	☒ Continuous	☐ Periodic	
Single-pass fillet welds > 5/16"	☒ Continuous	☐ Periodic	
Single-pass fillet welds ≤ 5/16"	☐ Continuous	☒ Periodic	
Floor & roof deck welds	☐ Continuous	☒ Periodic	
REINFORCEMENT STEEL			
Verification of weldability	☐ Continuous	☒ Periodic	
Shear wall and shear reinforcement	☒ Continuous	☐ Periodic	
Other reinforcement	☐ Continuous	☒ Periodic	
Steel frame joint details	☐ Continuous	☒ Periodic	

CONCRETE CONSTRUCTION (IBC1704.4)

ITEM			REFERENCE / COMMENTS
Materials (1704.4.1)	☐ Continuous	☒ Periodic	FOR TESTING FREQUENCIES REFER TO STRUCTURAL DRAWINGS AND SPECIFICATION SECTIONS: 03 3000 03 4910
Steel placement	☐ Continuous	☒ Periodic	
Steel welding	☐ Continuous	☒ Periodic	
Bolts prior & during placement	☒ Continuous	☐ Periodic	
Use of required design mix	☐ Continuous	☒ Periodic	
Concrete sampling for strength test, slump, air content, and temperature of concrete	☒ Continuous	☐ Periodic	
Concrete & shotcrete placement	☒ Continuous	☐ Periodic	
Curing temperature and techniques	☐ Continuous	☒ Periodic	
Pre-stressed concrete	☐ Continuous	☐ Periodic	NOT APPLICABLE
Pre-cast concrete	☐ Continuous	☐ Periodic	NOT APPLICABLE
Post tensioned concrete	☐ Continuous	☐ Periodic	NOT APPLICABLE
Form work	☐ Continuous	☐ Periodic	NOT APPLICABLE
Glass fiber reinforced concrete panel attachments	☐ Continuous	☒ Periodic	

MASONRY CONSTRUCTION (IBC1704.5)

As masonry construction begins:	

ITEM			REFERENCE / COMMENTS
Site prepared mortar	☐ Continuous	☒ Periodic	REFER TO SPECIFICATION SECTION 04 4200 FOR TESTING FREQUENCIES
Construction of mortar joints	☐ Continuous	☒ Periodic	
Location of reinforcement, connectors, pre-stressing tendons and anchorages	☐ Continuous	☒ Periodic	
Pre-stressing technique	NOT APPLICABLE		
Grade and size of pre-stressing tendons and anchorages	NOT APPLICABLE		
Inspection program verify:			
Size and location of structural elements	☐ Continuous	☒ Periodic	
Type, size and location of anchors	☐ Continuous	☒ Periodic	
Size, grade and type of reinforcement	☐ Continuous	☒ Periodic	
Welding of reinforcement	☒ Continuous	☐ Periodic	
Cold and hot weather protection	☐ Continuous	☒ Periodic	
Application and measurement of pre-stressing force	☐ Continuous	☐ Periodic	NOT APPLICABLE
Prior to grouting verify			
Clean grout space	☐ Continuous	☒ Periodic	
Placement of reinforcement	☐ Continuous	☒ Periodic	
Grout mix	☐ Continuous	☒ Periodic	
Mortar joints	☐ Continuous	☒ Periodic	
Grout placement	☒ Continuous	☐ Periodic	
Grout and mortar specimens and prisms	☐ Continuous	☒ Periodic	

SPECIAL INSPECTIONS

SOILS CONSTRUCTION (IBC1704.7)

ITEM			REFERENCE / COMMENTS
Site preparation	☐ Continuous	☒ Periodic	
Structural fill material	☐ Continuous	☒ Periodic	REFER TO SPECIFICATION SECTION 31 2000 FOR TESTING FREQUENCIES
Structural fill lift thickness	☐ Continuous	☒ Periodic	
Structural fill soil densities	☐ Continuous	☒ Periodic	
Engineered fill material	☐ Continuous	☒ Periodic	
Engineered fill densities	☐ Continuous	☒ Periodic	
Backfill soils materials	☐ Continuous	☒ Periodic	
Backfill soil densities	☐ Continuous	☒ Periodic	
Fill material under side walks and parking	☐ Continuous	☒ Periodic	
Fill soil densities under side walks and parking	☐ Continuous	☒ Periodic	

DEEP FOUNDATION ELEMENTS (IBC1704.08)

ITEM			REFERENCE / COMMENTS
Verify material, sizes and lengths comply	☒ Continuous	☐ Periodic	
Determine capacities, additional load tests as required	☒ Continuous	☐ Periodic	
Observe driving operations and maintain record	☒ Continuous	☐ Periodic	
Verify placement, type	☒ Continuous	☐ Periodic	
Perform additional inspections as determined by the registered design professional in charge.	☐ Continuous	☒ Periodic	

SPRAYED FIRE-RESISTANT MATERIALS (IBC1704.12)

ITEM			REFERENCE / COMMENTS
Structural member surface conditions	☐ Continuous	☒ Periodic	
Material application	☐ Continuous	☒ Periodic	
Material thickness	☐ Continuous	☒ Periodic	
Material density	☐ Continuous	☒ Periodic	
Bonding strength	☐ Continuous	☒ Periodic	

SPECIAL INSPECTION FOR SEISMIC RESISTANCE (IBC1707)

ITEM			REFERENCE / COMMENTS
Structural Steel (1707.2)	☐ Continuous	☒ Periodic	
Structural Wood (1707.3)	☐ Continuous	☐ Periodic	NOT APPLICABLE
Cold–formed steel framing (1707.4)	☐ Continuous	☒ Periodic	
Storage racks & access floors (1707.5)	☐ Continuous	☒ Periodic	
Architectural components (1707.6)	☐ Continuous	☒ Periodic	
Mechanical & electrical items (1707.7)	☐ Continuous	☒ Periodic	Electrical: Emergency and Standby Power Systems
Designated systems verification (1707.8)	☐ Continuous	☒ Periodic	Curtain Wall system
Seismic isolation systems (1707.9)	☐ Continuous	☐ Periodic	

STRUCTURAL TESTING FOR SEISMIC RESISTANCE (IBC1704.08)

ITEM			
Qualification of architectural, mechanical & electrical equipment (1708.1)	☐ Continuous	☐ Periodic	
Seismic certification of nonstrutrural components (1708.4)	☐ Continuous	☐ Periodic	

Inspection of seismic resistance are not required per IBC 1705.3 ☐

OTHER

ITEM			REFERENCE / COMMENTS

Special Inspectors Shall:

Be approved by the Building Official prior to performing any duties;
Provide proof of licensure as a special inspector by the State of Utah for each type of inspection;
Inspection reports are to meet the requirements of IBC 1704.1.2 and DFCM standards;
Inspection reports are to be submitted to the code consultant, architect, DFCM project manager, and the State of Utah Building Official within 48 hrs. of inspections;
A final inspection report shall be submitted following completion of the project documenting the types of special inspections performed and a statement indicating that the structure is in compliance with the drawings, specifications, and applicable codes. IBC 1704.1.2

CODE ANALYSIS

APPLICABLE CODES

	Year		Year
International Building Code	2009 IBC	National Electrical Code	NEC 2008
International Mechanical Code	2009 IMC	Uniform Code for Building Conservation	ICCPC 2009
International Plumbing Code	2009 IPC	ADA Accessibility Guildelines	2009 IBC
International Fire Code	2009 IFC		ANSI A117.1 2003
International Energy Conservation Code	2009 IEC		

A. Occupancy and Group: A3 ASSEMBLY

Change in Use: Yes No X Mixed Occupancy: Yes No X
Special Use and Occupancy (e.g. High Rise, Covered Mall): No

B. Seismic Design Category: D Design Wind Speed: 90 mph

C. Type of Construction (circle one):

I/A I/B II/A II/B III/A III/B IV/HT V/A V/B

D. Fire Resistance Rating: Requirements for the Exterior Walls based on the fire separation distance (in hours):

North: 0 South: 0 East: 0 West: 0

E. Mixed Occupancies: Nonseparated Uses: X

F. Sprinklers: IBC Section 903.3.1

Required: Provided: X Type of Sprinkler System: Wet System

G. Number of Stories: 5 Building Height: 90' - 8"

H. Actual Area per floor (square feet):

1 28,218 SQ. FT.
2 25,105 SQ. FT.
2M 10,148 SQ. FT.
3 32,781 SQ. FT.
4 32,391 SQ. FT.
5 34,352 SQ. FT.

I. Tabular Area: GROUP A3 UNLIMITED

Area Modifications: NA

K. Fire Resistance Rating Requirements for Building Elements (hours) Table 601

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0		Floors - Ceiling Floors	2	D916
Interior Bearing Walls	2		Roofs - Ceiling Roofs	1	P701
Exterior Non-Bearing Walls	0		Structural Columns (uno)	2	X771
Structural Frame	2		Exterior Doors & Windows	0	
Partitions - Permanent	0		Shaft Enclosures	2	U415
Fire Barriers	2		Fire Walls	2	U419
			Fire Partitions	1	U419
			Smoke Partitions	0	U419

Building Occupant Load

L. LEVEL (1) Design Occupant Load: 521 B Occupancy
Exit Width Required: 8' - 8" Exit Width Provided: 17' - 0"
LEVEL (2) Design Occupant Load: 559 A-3 Occupancy
Exit Width Required: 9' - 4" Exit Width Provided: 30' - 0"
LEVEL (M) Design Occupant Load: 175 A-3 Occupancy
Exit Width Required: 3' - 0" Exit Width Provided: 9' - 0"
LEVEL (3) Design Occupant Load: 503 A-3 Occupancy
Exit Width Required: 8' - 4" Exit Width Provided: 9' - 0"
LEVEL (4) Design Occupant Load: 521 B Occupancy
Exit Width Required: 8' - 8" Exit Width Provided: 9' - 0"
LEVEL (5) Design Occupant Load: 532 B & A-3 Occupancy
Exit Width Required: 8' - 10" Exit Width Provided: 9' - 0"
TOTAL Design Occupant Load: 2,811

M. Minimum Number of Required Plumbing Facilities: SEE TABLE ON LEFT

a) Water Closets - Required (m) - (f) - Provided (m) - (f) -
b) Lavatories - Required (m) - (f) - Provided (m) - (f) -
c) Bath Tubs or Showers: N/A
d) Drinking Fountains: - Service Sinks: 7

FOOTNOTES:

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
   a) High Rise Requirements.
   b) Atriums.
   c) Performance Based Criteria.
   d) Means or Egress Analysis.
   e) Fire Assembly Locator Sheet.
   f) Exterior and Interior Accessibility Route.
   g) Fire Stopping, Including Tested Design Number.

DEFERRED SUBMITTALS

SPECIFICATION DIVISION AND DESCRIPTION

03 4910 GLASS FIBER REINFORCED CONCRETE PANEL ATTACHMENTS
04 4200 STONE VENEER ASSEMBLIES ATTACHMENTS
05 1200 OPEN WEB STEEL ROOF JOISTS AND GIRDERS
05 4100 COLD FORM METAL FRAMING
05 7320 GLASS RAILINGS
07 8400 THROUGH PENETRATION FIRESTOP SYSTEMS
07 8443 FIRE RESISTIVE JOINT SEALANTS
08 4413 GLAZED ALUMINUM CURTAIN WALLS
09 5100 ACOUSTICAL CEILINGS
09 5426 PANEL GRILLE SUSPENDED WOOD CEILING SYSTEM
09 6900 ACCESS FLOORING
10 5626 MOBILE STORAGE SHELVING UNITS
23 0548 MECHANICAL SEISMIC CONTROL
21 1000 FIRE PROTECTION
26 0548 SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS
31 6600 AGGREGATE PIER GROUND IMPROVEMENT

STRUCTURAL INFORMATION FOR SUPPORTS (CEILING CLOUDS, MECH., ELEC.) ATTACHED TO STRUCTURE SHOWING COMPLIANCE WITH ASCE 7-05.

PLUMBING FIXTURE ANALYSIS, IBC 2902

B OCCUPANCY TYPE		WATER CLOSETS REQD	WATER CLOSETS PRVD		LAVS REQD	LAVS PRVD		D.F. INCL BOTTLE WATER REQD	D.F. INCL BOTTLE WATER PRVD	
1ST FLOOR OCCUPANTS	521									
50% MALE AND FEMALE	260.5	6.2 EA	10 EA	1 PER 25 FOR THE FIRST 50, AND 1 PER 50 FOR THE REMAINER	7.5	14	1 PER 40 FOR THE FIRST 80, AND 1 PER 80 FOR THE REMAINER	5.2	7	1 PER 100
4TH FLOOR OCCUPANTS	521									
50% MALE AND FEMALE	260.5	6.2 EA	5 EA 2 STAFF		7.5	6		5.2	3	
5TH FLOOR OCCUPANTS	304									
50% MALE AND FEMALE	152	4.0 EA	4 EA		3.8	3		3.0	2	
A-3 OCCUPANCY TYPE										
2ND FLOOR OCCUPANTS	559									
50% MALE AND FEMALE	279.5	2.2 M 4.3 F	5 EA	MALE:1 PER 125 FEMALE: 1 PER 65 ASSISTED USE (AU): 1 ON MEZZANINE, 1 ON FIFTH	2.8	6	1 PER 200	1.1	3	1 PER 500
MEZZANINE OCCUPANTS	175									
50% MALE AND FEMALE	87.5	0.7 M 1.3 F	1 AU 2 F		0.9	2		0.4	3	
THIRD FLOOR OCCUPANTS	503									
50% MALE AND FEMALE	251.5	2.0 M 3.9 F	5 EA 1 STAFF		2.5	6		1.0	3	
5TH FLOOR OCCUPANTS	227									
50% MALE AND FEMALE	113.5	0.9 M 1.7 F	1 EA 1 AU		4.8	3		0.5	1	
TOTALS		50.0	66		29.8	40		16.4	22	

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH DENNIS THOMAS PAYNE No. 132584 LICENSED ARCHITECT

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HOLLAND CENTENNIAL COMMONS
DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

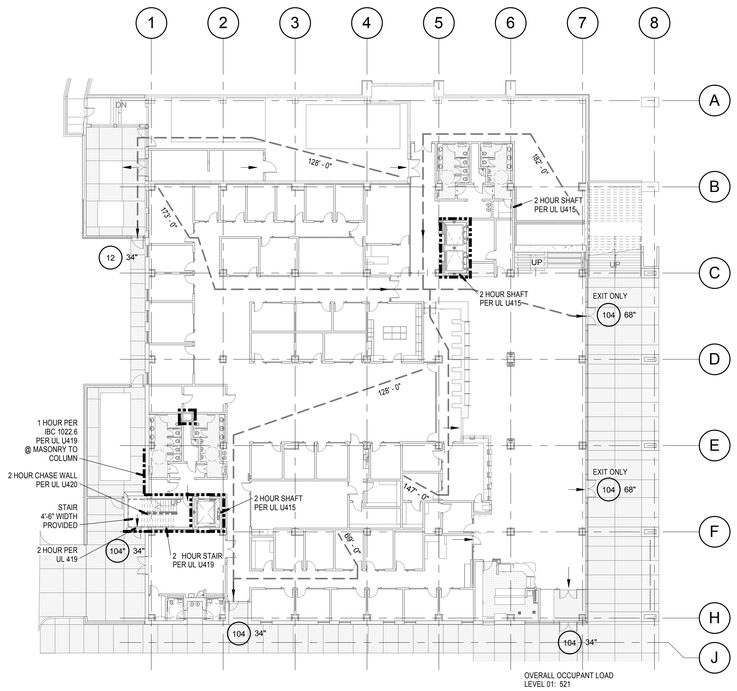
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

GENERAL INFORMATION

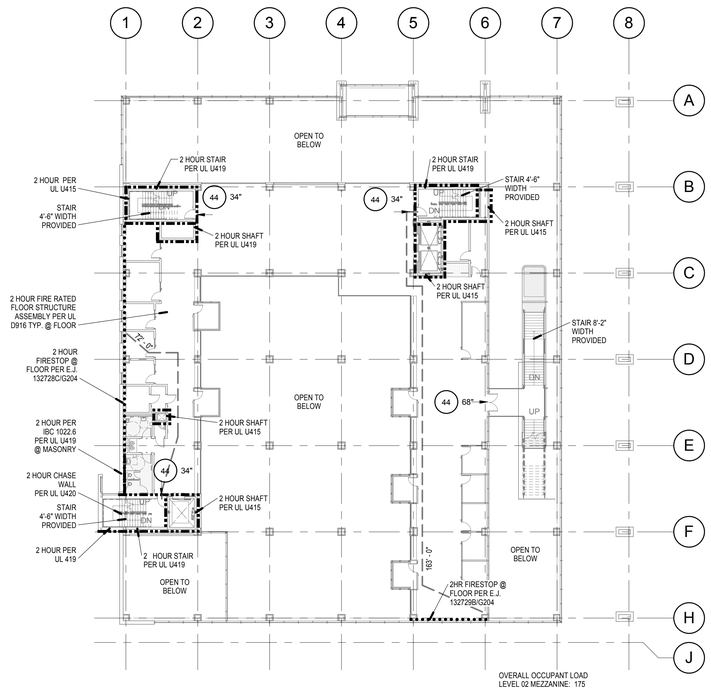
G002
Sheet Number

12/6/2010 4:55:14 PM



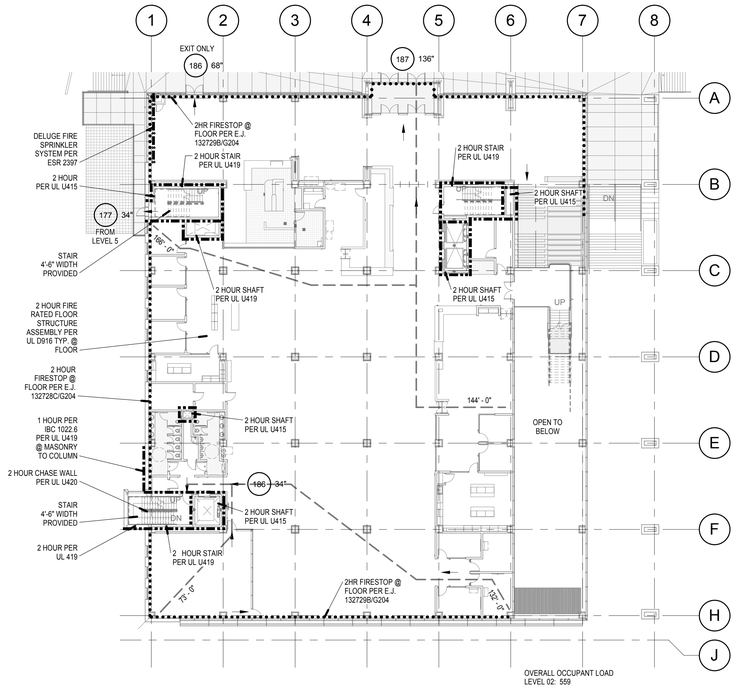
C1 LEVEL 01 FIRE SAFETY PLAN

SCALE: 3/64" = 1'-0"



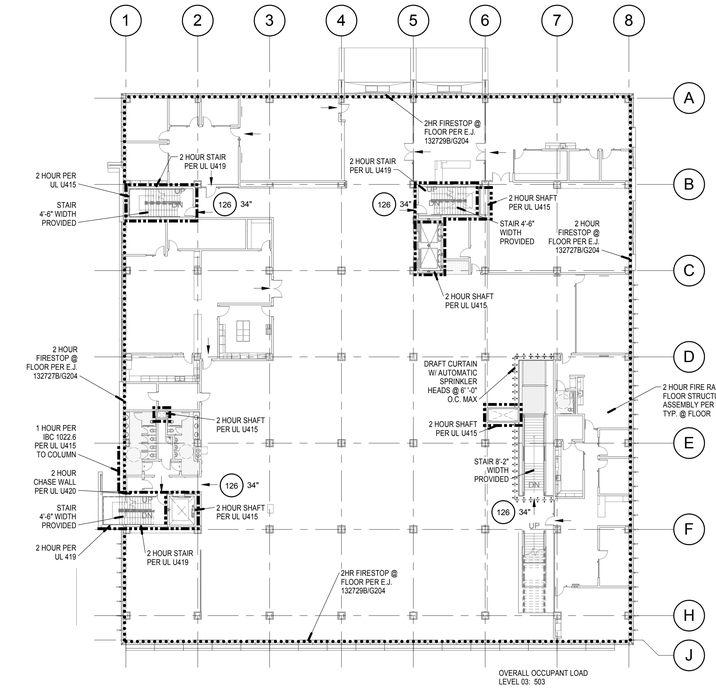
C3 LEVEL 02 MEZZANINE FIRE SAFETY PLAN

SCALE: 3/64" = 1'-0"



A1 LEVEL 02 FIRE SAFETY PLAN

SCALE: 3/64" = 1'-0"



A3 LEVEL 03 FIRE SAFETY PLAN

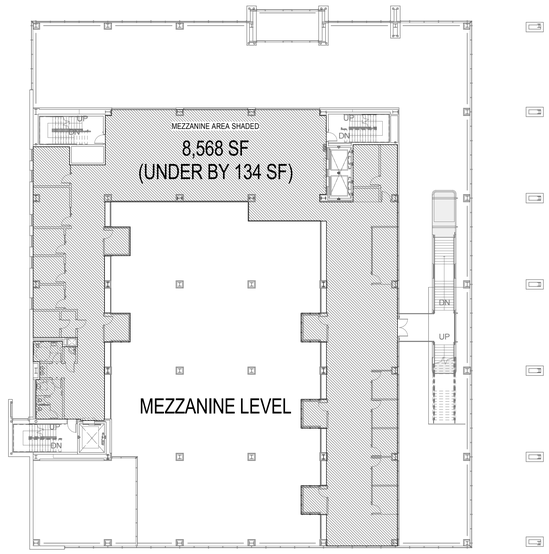
SCALE: 3/64" = 1'-0"

FIRE RATING KEY

MARK	DESCRIPTION
	2 HOUR SHAFT ENCLOSURES OR FIRE BARRIER - WALL CONSTRUCTION PER UL ASSEMBLY NUMBER U 415 OR U419
	1 HOUR SHAFT ENCLOSURES OR FIRE BARRIER - WALL CONSTRUCTION PER UL ASSEMBLY NUMBER U 415 OR U419
	2 HOUR FIRESTOP @ FLOOR/WALL TRANSITION, PER ENGINEERING JUDGEMENTS ON G204
	1 HOUR FIRESTOP ASSEMBLY @ ROOF/WALL TRANSITION
	DELUGE FIRE SPRINKLER SYSTEM
	DRAFT CURTAIN W/ AUTOMATIC SPRINKLER HEAD @ 6'-0" O.C. MAX. EACH SIDE
	2 HOUR FIRE RATED FLOOR STRUCTURE ASSEMBLY PER UL D916
	1 HOUR FIRE RATED ROOF/CEILING STRUCTURE ASSEMBLY PER UL P701

NOTE:
REQUIRED FIRE-RESISTIVE ASSEMBLIES WILL BE ACCOMPLISHED AS FOLLOWS AND PER THE FOLLOWING UL RATED ASSEMBLIES CALLED OUT ON SHEETS G101, G102, G200, G201, G202, G203, G203 AND THE WALL TYPES SHEET A500 AND 501:

- STRUCTURAL STEEL COLUMNS 2 HOUR SPRAY APPLIED FIREPROOFING PER X771 AND X772 EXCEPT AT THE ZION ROOM.
- STRUCTURAL HSS STEEL COLUMNS 2 HOUR PER X642 AT THE ZION ROOM
- ALL ATTACHMENTS TO THE COLUMNS AND BEAMS ARE TO BE APPLIED PRIOR TO THE SPRAY APPLIED FIREPROOFING AND TO BE PROTECTED IN PLACE.
- THE 1 HOUR ROOF PROTECTION IS TO BE APPLIED TO THE METAL TRACK AT THE ROOF LINE IN THE PARAPET WALL AS PER DETAIL C1/A513.



C5 MEZZANINE ANALYSIS - LEVEL 02M

SCALE: 3/64" = 1'-0"

A5 MEZZANINE ANALYSIS - LEVEL 02

SCALE: 3/64" = 1'-0"

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #06297640

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

OCCUPANCY AND EGRESS

G101

Sheet Number

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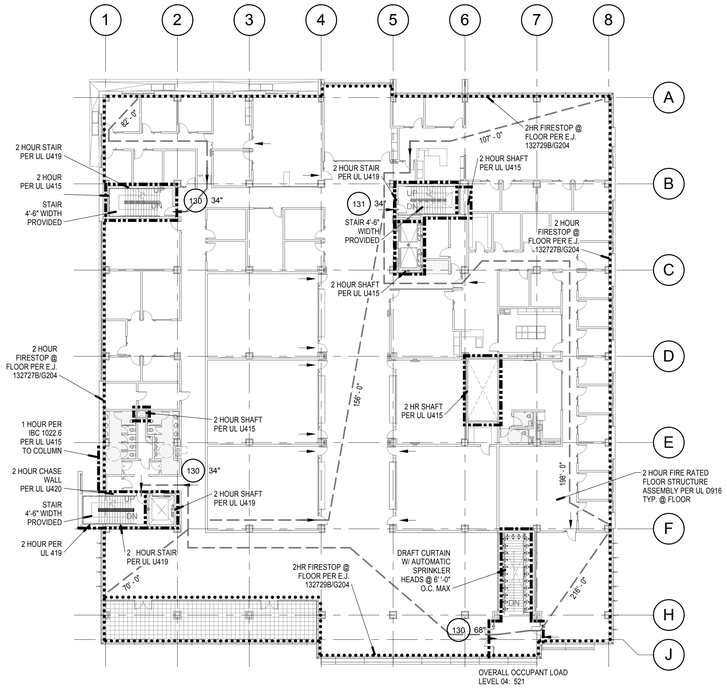
FIRE RATING KEY

MARK	DESCRIPTION
	2 HOUR SHAFT ENCLOSURES OR FIRE BARRIER - WALL CONSTRUCTION PER UL ASSEMBLY NUMBER U 415 OR U419
	1 HOUR SHAFT ENCLOSURES OR FIRE BARRIER - WALL CONSTRUCTION PER UL ASSEMBLY NUMBER U 415 OR U419
	2 HOUR FIRESTOP @ FLOOR/WALL TRANSITION. PER ENGINEERING JUDGEMENTS ON G204
	1 HOUR FIRESTOP ASSEMBLY @ ROOF/WALL TRANSITION
	DELUGE FIRE SPRINKLER SYSTEM
	DRAFT CURTAIN W/ AUTOMATIC SPRINKLER HEAD @ 6'-0" O.C. MAX. EACH SIDE
	2 HOUR FIRE RATED FLOOR STRUCTURE ASSEMBLY PER UL D916
	1 HOUR FIRE RATED ROOF/CEILING STRUCTURE ASSEMBLY PER UL P701

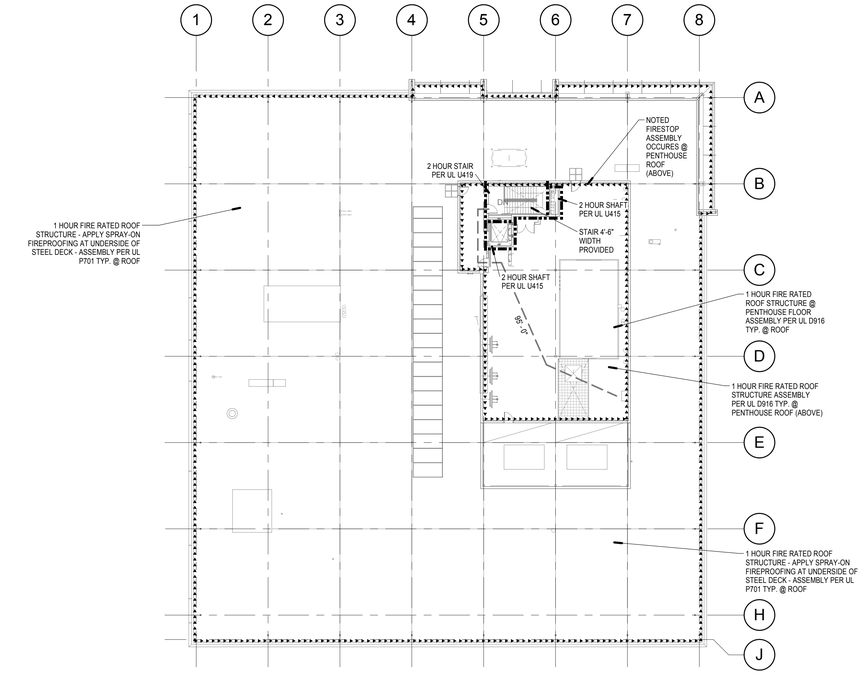
NOTE:
REQUIRED FIRE-RESISTIVE ASSEMBLIES WILL BE ACCOMPLISHED AS FOLLOWS AND PER THE FOLLOWING UL RATED ASSEMBLIES CALLED OUT ON SHEETS G101, G102, G200, G201, G202, G203, G203 AND THE WALL TYPES SHEET A500 AND 501:

- STRUCTURAL STEEL COLUMNS 2 HOUR SPRAY APPLIED FIREPROOFING PER X771 AND X772 EXCEPT AT THE ZION ROOM.
- STRUCTURAL HSS STEEL COLUMNS 2 HOUR PER X642 AT THE ZION ROOM
- ALL ATTACHMENTS TO THE COLUMNS AND BEAMS ARE TO BE APPLIED PRIOR TO THE SPRAY APPLIED FIREPROOFING AND TO BE PROTECTED IN PLACE.
- THE 1 HOUR ROOF PROTECTION IS TO BE APPLIED TO THE METAL TRACK AT THE ROOF LINE IN THE PARAPET WALL AS PER DETAIL C1/A513.



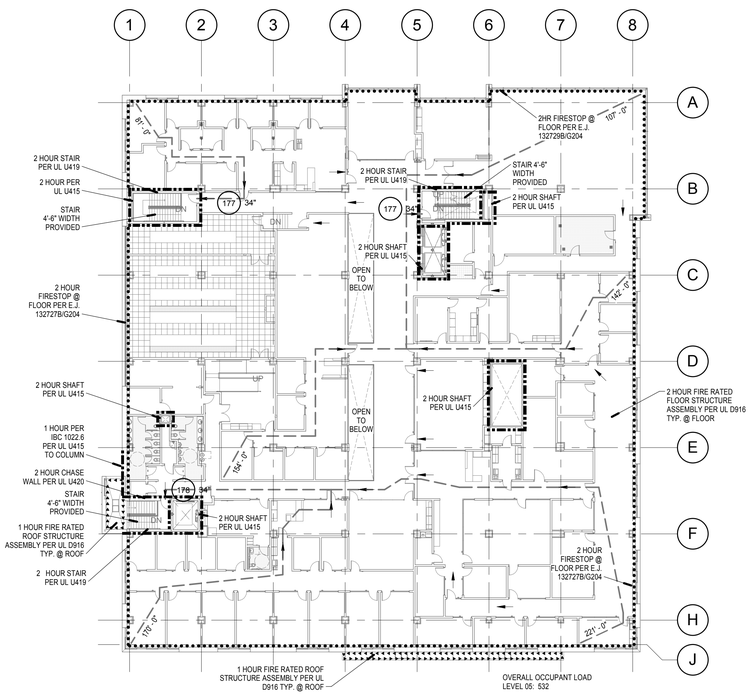
C1 LEVEL 04 FIRE SAFETY PLAN

SCALE: 3/64" = 1'-0"



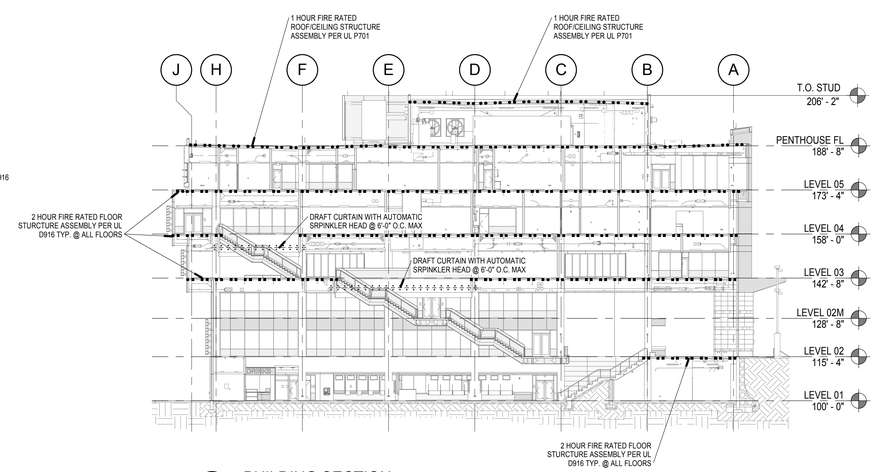
C3 PENTHOUSE / ROOF FIRE SAFETY PLAN

SCALE: 3/64" = 1'-0"



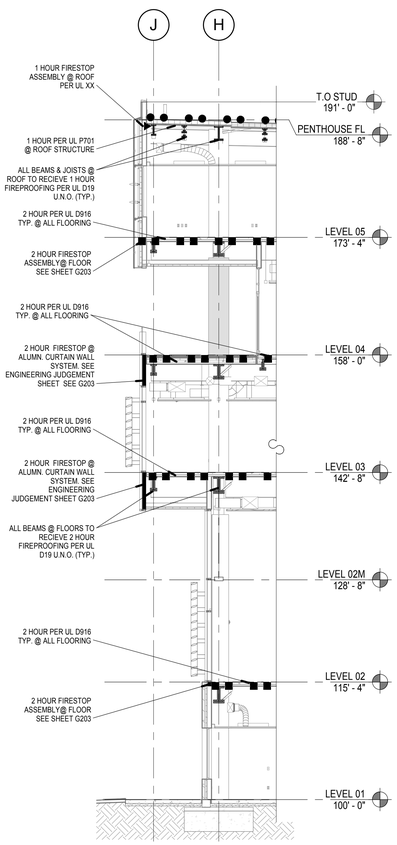
A1 LEVEL 05 FIRE SAFETY PLAN

SCALE: 3/64" = 1'-0"



A3 BUILDING SECTION

SCALE: 3/64" = 1'-0"



A5 FIRE SAFETY WALL SECTION

SCALE: 1/8" = 1'-0"

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
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WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

OCCUPANCY AND EGRESS

G102
Sheet Number

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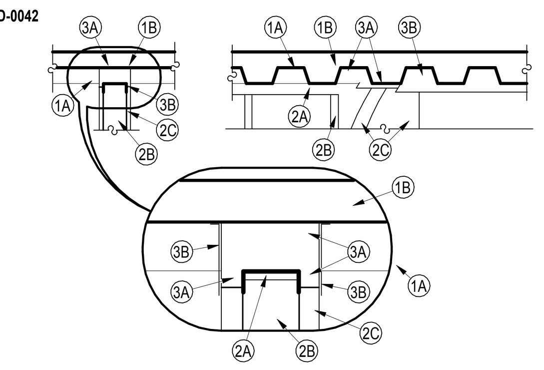
UL DESIGN No. HW-D-0042 - 1 OR 2 HR TOP OF WALL

System No. HW-D-0042



Assembly Ratings - 1 and 2 Hr (See Items 2 & 3A)
Joint Width - 1 In. Max
Class II Movement Capabilities - 50 Percent Compression Or Extension

1. Floor Assembly - The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or D900 Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Steel Floor And Form Units* - Max 3 in. (76 mm) deep galv steel fluted units.

B. Concrete - Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

C. Spray-Applied Fire Resistive Materials* - (Optional, Not Shown)-Prior to the installation of the steel ceiling runners, Forming Material and Fill, Void or Cavity Material (Items 2A, 3A, 3B, respectively) the steel floor units may be sprayed with a min 5/16 in. (8 mm) to max 1-3/4 in. (45 mm) thickness of fire resistive material.

W R GRACE & CO - CONN - Type MK-6-HY

1A. Roof Assembly - (Not Shown) - As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:

A. Steel Roof Deck - Max 3 in. (76 mm) deep galv steel fluted roof deck.

B. Roof Insulation - Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units.

1B. Roof Assembly - As an alternate to Items 1 and 1A, a fire rated protected fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:

A. Steel Roof Deck - Max 3 in. (76 mm) deep galv steel fluted roof deck.

B. Spray-Applied Fire Resistive Materials* - (Not Shown)-Prior to the installation of the steel ceiling runners, Forming Material and Fill, Void or Cavity Material (Items 2A, 3A, 3B), the roof assembly shall be sprayed with the type and thickness of fire resistive material indicated in the individual P700 Series design.

2. Wall Assembly - The 1 or 2 hr fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Steel Floor And Ceiling Runners - Floor and ceiling runners of wall assembly shall consist of galv steel channels sized to accommodate steel studs (Item 2B). Ceiling runner to be provided with 2 in. (51 mm) flanges. Ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors or welds spaced max 12 in. (305 mm) OC. When optional spray-applied fire resistive material is used on steel deck and when deflection channel is not used, ceiling runner secured through spray-applied material to each valleys of steel deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC.

A1. Light Gauge Framing*-Slotted Ceiling Runner - As an alternate to the ceiling runner in Item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Slotted ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When optional spray-applied fire resistive material is used on steel deck, slotted ceiling runner secured through spray-applied material to each valley of steel deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC.

BRADY CONSTRUCTION INNOVATIONS INC,

DBA SLIPTRACK SYSTEMS - SLP-TRK

CALIFORNIA EXPANDED METAL PRODUCTS CO - CST

CLARKWESTERN BUILDING SYSTEMS INC - Type SLT, SLT-H

METAL-LITE INC - The System

SCAFCO STEEL STUD MANUFACTURING CO

A2. Light Gauge Framing*-Vertical Deflection Ceiling Runner - When the nom joint width is less than or equal to 3/4 in. (19 mm), vertical deflection ceiling runner may be used as an alternate to the ceiling runners in Items 2A and 2A1. Vertical deflection ceiling runner to consist of galv steel channel with slotted vertical deflection clips mechanically fastened within runner. Slotted clips provided with step bushings for permanent fastening of steel studs. Flanges sized to accommodate steel studs (Item 2B). Vertical deflection ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When optional spray-applied fire resistive material is used on steel deck, vertical deflection ceiling runner secured through spray-applied material to each valley of steel deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC.

THE STEEL NETWORK INC - VertiTrack VTD250, VTD362, VTD400, VTD600 and VTD800

A3. Light Gauge Framing* - Clipped Ceiling Runner - As an alternate to the ceiling runner in Items 2A, 2A1 and 2A2, clipped runner to consist of galv steel channel with clips preformed in track flanges which positively engage the inside flange of the steel studs (Item 2B). Track sized to accommodate steel studs (Item 2B). Track flanges to be min 2-1/2 in. (64 mm). Clipped ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When optional spray-applied fire resistive material is used on steel deck, clipped ceiling runner secured through spray-applied material to each valley of steel deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC.

TOTAL STEEL SOLUTIONS L L C - Snap Trak

A4. Light Gauge Framing*- Notched Ceiling Runner - As an alternate to the ceiling runners in Items 2A through 2A3, notched ceiling runners to consist of C-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When optional spray-applied fire resistive material is used on the steel deck, notched ceiling runner secured through spray-applied material to each valley of steel deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC.

DENMAR STEEL INC - Type SCR

B. Studs - Steel studs to be min 2-1/2 in. (64 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 in. (13 mm) long wafer head steel screws at midheight of slot on each side of wall. When vertical deflection ceiling runner (Item 2A2) is used, steel studs secured to slotted vertical deflection clips, through the bushings, with steel screws at midheight of each slot. Stud spacing not to exceed 24 in. (610 mm) OC.

C. Gypsum Board* - Gypsum board installed to a min total thickness of 5/8 in. and 1-1/4 in. (16 and 32 mm) on each side of wall for 1 and 2 hr rated assemblies, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that a max 1 in. (25 mm) gap shall be maintained between the top of the gypsum board and the bottom of the steel deck units and the top row of screws shall be installed into the studs 3-1/2 to 4 in. (89 to 102 mm) below the lower surface of the floor or roof. The hourly rating of the joint system is dependent on the hourly rating of the wall.

3. Joint System - Max separation between bottom of floor or roof and top of wall at time of installation of joint system is 1 in. (13 mm). The joint system is designed to accommodate a max 50 percent compression or extension from its installed width. The joint system consists of forming material and a fill material, as follows:

A. Forming Material* - Nom 4 pcf (64 kg/m3) density mineral wool batt insulation cut approx 25 percent wider than the flutes and with a length approx equal to the overall thickness of the wall. Multiple pieces stacked on top of each other, as needed, and then compressed 50 percent in thickness and inserted into the flutes of the steel deck above the top of the ceiling runner. The mineral wool batt insulation is to project beyond each side of the ceiling runner, flush with wall surfaces. Additional 5/8 in. and 1-1/4 in. (16 and 32 mm) wide strips for 1 and 2 hr rated assemblies, respectively, of nom 4 pcf (64 kg/m3) mineral wool batt insulation are to be cut to fill the gap between the top of the gypsum board and bottom of the steel deck. The strips of mineral wool are compressed 50 percent and tightly packed, cut edge first, into the gap between the top of the gypsum board and bottom of the steel deck on both sides of the wall.

ROCK WOOL MANUFACTURING CO - Delta- Board

THERMAFIBER INC - Type SAF

3. Joint System - CONTINUED FROM LEFT

A1. Forming Material*-Plugs - (Optional, Not Shown) Preformed mineral wool plugs, formed to the shape of the fluted floor units, friction fit to completely fill the flutes above the ceiling channel. The plugs shall project beyond each side of the ceiling runner, flush with wall surfaces. Additional forming material, described in Item 3A, to be used in conjunction with the plugs to fill the gap between the top of gypsum board and bottom of steel floor units.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC - CP777 Speed Plugs

A2. Forming Material* - Strips - (Optional) - Nom 5/8 in. and 1-1/4 in. (16 and 32 mm) wide by 2 in. (51 mm) high precut mineral wool strips for 1 and 2 hr rated assemblies respectively. The strips are compressed 50 percent and firmly packed, cut edge first, into the gap between the top of the gypsum board and bottom of the steel floor units on both sides of the wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC - CP 767 Speed Strips

B. Fill, Void or Cavity Material* - Min 1/6 in. (1.6 mm) dry thickness (1/8 in. or 3.2 mm wet thickness) of fill material sprayed or troweled on each side of the wall to completely cover mineral wool forming material and to overlap a min of 1/2 in. (13 mm) onto gypsum board and steel deck on both sides of wall. When Spray-Applied Fire Resistive Material* is applied to the Steel Floor and Form Units*, the fill material is to overlap the gypsum board a min of 1/2 in. (13 mm) and the Spray-Applied Fire Resistive Material a min of 2 in. (51 mm) on both sides of wall. When spray-applied fire resistive materials are used, the CP 672 firestop spray shall overlap the wall a min 1/2 in. (13 mm) and overlap the spray-applied fire resistive material a min of 2 in. (51 mm) on both sides of the wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF

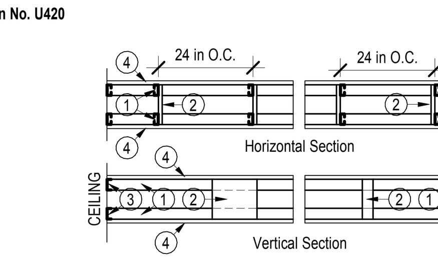
HILTI INC - CP 672 Firestop Spray

*Bearing the UL Classification Mark

Last Updated on 2009-05-02

UL DESIGN No. U420 - 1 OR 2 HR NONBEARING CHASE WALL

Design No. U420



Nonbearing Wall Rating -- 1 or 2 HR.

1. Studs -- Channel -- shaped 1 5/8 in. wide with 1 3/8 in. legs and 1/4 in. stiffening flanges. Fabricated from No. 25 MSG galv steel. Studs to be cut 1/4 in. less than assembly height.

2. Bracing -- Cut from the steel runners, min. 4-1/4 in. long, fastened to the studs with two No. 8 by 1/2 in. long self-drilling, self-tapping steel screws in each stud. As an alternate, but limits the stud cavity depth to maximum 9-1/2 in., cut from the gypsum wallboard, 9-1/2 in. long and 12 in. wide, fastened to the studs with three Type S wallboard screws in each stud. Vertical spacing of bracing not to exceed 48 in. OC.

3. Floor and Ceiling Runners -- Channel -- shaped 1 5/8 in. wide with 1 in. legs, fabricated from No. 25 MSG galv steel. Attached to floor and ceiling with fasteners spaced 24 in. OC.

4. Gypsum Board* -- Any 5/8 in. thick gypsum board for fire resistance Classified with beveled, square, or tapered edges.

For 1 Hr Rating -- One layer of gypsum board to be used. Applied vertically with joints centered over studs. Fastened to studs with 1 in. long, Type S, gypsum board screws spaced 8 in. OC at the joints, located 3/8 in. from the edges, and 12 in. OC in the field. Fasteners to be spaced 8 in. OC at the runners.

For 2 Hr Rating -- Two layers of gypsum board to be used. The inner layer to be applied in the same manner as for the 1 Hr Rating. The outer layer to be fastened to the studs (through the inner layer) using 1 5/8 in. long, Type S, wallboard screws spaced 8 in. OC at the joints, located 3/8 in. from the edges and 12 in. OC in the field.

Fasteners to be spaced 8 in. OC at the runners. Joints to be staggered 24 in. from the inner layer.

See Gypsum Board (CKNX) category for names of manufacturers.

4A. Gypsum Board* -- (As alternate to Item 4) - Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (2-hr system) staggered one stud cavity. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed with steel framing. Horizontal edge joints and horizontal butt joints in adjacent layers (2-hr system) staggered a minimum of 12 in. For the single layer system, panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when applied vertically. For the double layer system, base layer panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 16 in. OC. Face layer panels attached to steel studs and floor runner with 1-5/8 in. long Type S steel screws spaced 16 in. OC.

CANADIAN GYPSUM COMPANY -- Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

UNITED STATES GYPSUM CO -- Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

USG MEXICO S A DE C V -- Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

4B. Gypsum Board* -- (As an alternate to Items 4 or 4A) - Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4A with screw length increased to 1-1/4 in.

CANADIAN GYPSUM COMPANY -- Types AR, IP-AR.

UNITED STATES GYPSUM CO -- Types AR, IP-AR.

USG MEXICO S A DE C V -- Types AR, IP-AR.

5. Joint Tape and Compound -- Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads. Paper tape, 2 in. wide, embedded in first layer of compound over all joints.

6. Batts and Blankets* -- (Optional, not shown) Glass fiber batts may be installed in the interior or wall cavity. The max thickness of the batts shall be 2 1/2 in. for the walls with 2 Hr assembly ratings and 3 1/2 in for the walls with 1 Hr assembly ratings. Attached to wallboard with wire staples spaced horizontally 12 in. OC and vertically 24 in. OC.

CERTAINTEED CORP

GUARDIAN FIBERGLASS INC

JOHNS MANVILLE INTERNATIONAL INC

OWENS CORNING

6A. Fiber, Sprayed* -- As an alternate to Batts and Blankets (Item 6) -- Spray applied cellulose insulation material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft3. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft3.

U S GREENFIBER L L C -- Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)

6B. Fiber, Sprayed* -- As an alternate to Batts and Blankets (Item 6) and Item 6A - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NU-WOOL CO INC -- Cellulose Insulation

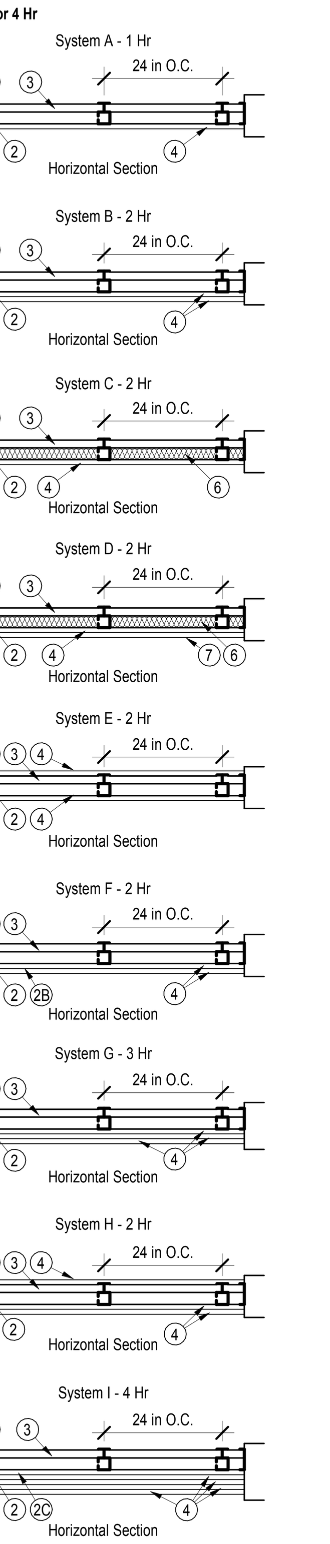
7. Cementitious Backer Units* -- (Optional Item Not Shown - For Use On Face Of 1 Hr Or 2 Hr Systems With All Standard Items Required) - 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide.- Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members spaced a max of 8 in. OC. When 4 ft. wide boards are used, horizontal joints need not be backed by framing. 2-Hr System - Applied vertically with vertical joints centered over studs. Face layer fastened over gypsum board to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC.

NATIONAL GYPSUM CO -- Type PermaBase

*Bearing the UL Classification Mark — Last Updated on 2009-06-06

UL DESIGN No. U415 - 1, 2, 3 OR 4 HR SHAFT WALL

Design No. U415
Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr



1. Floor, Side and Ceiling Runners -- "J" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG (min 20 MSG when Item 4A or 7 are used) galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. "E" - shaped studs (Item 2A) may be used as side runners in place of "J" - shaped runners.

2. Steel Studs -- "C-H" - shaped studs, min 2-1/2 in. deep (min 4 in. deep when System C is used), fabricated from min 25 MSG (min 20 MSG when Items 2D, 5C, or 7 is used) galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. or 600 mm OC.

2A. Steel Studs -- (Not Shown) -- "E" - shaped studs installed back to back in place of "C-H" - shaped studs (Item 2) "E" - shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min 25 MSG (min 20 MSG when Item 2D or Item 7 is used) galv steel, min 2-1/2 in. deep (min 4 in. deep when System C is used), with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling heights.

2B. Furring Channels -- (Optional, not shown) -- For use with single or double layer systems. Resilient furring channels fabricated from min 25MSG corrosion protected steel, installed horizontally, and spaced vertically a max 24 in. OC. Flange portion of channel attached to each intersecting "C-H" or "E" stud on side of stud opposite the 1 in. liner panels with 1/2 in. long Type S or S-12 pan-head steel screws. When furring channels are used, wallboard to be installed vertically only. Not to be used with Type FRX or FRX-G gypsum wallboard (Item 4A) or cementitious backer units (Item 7).

2C. Furring Channels -- For use with System I - "Hat" - shaped, 25 MSG galv steel furring channels attached directly over the inner layers of wallboard to each stud with 2 in. long Type S pan head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 24 in. OC.

2D. Steel Framing Members* -- (Optional, not shown) -- For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX or FRX-G gypsum wallboard (Item 4A) or cementitious backer units (Item 7):

a. Furring Channels -- Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 3.

b. Steel Framing Members* -- Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC -- Type RSIC-1.

3. Gypsum Board* -- Gypsum liner panels, nom 1 in. thick, 24 in. or 600 mm (for metric spacing) wide. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" portion of "C-H" studs or the gap between the two 3/4 in. legs of the "E" studs. Free edge of end panels attached to long leg of vertical "J" - runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC. When wall height exceeds liner panel length, liner panel may be butted to extend to the full height of the wall. Horizontal joints need not be backed by steel framing. In System I, butt joints in liner panels are staggered min 36 in. Butt joints backed with 6 in. by 22 in. strips of 3/4 in. thick gypsum wallboard (Item 4). Wallboard strips centered over butt joints and secured to liner panels with six 1-1/2 in. long Type G steel screws, three screws along the 22 in. dimension at the top and bottom of the strips.

CANADIAN GYPSUM COMPANY -- Type SLX

UNITED STATES GYPSUM CO -- Type SLX

USG MEXICO S A DE C V -- Type SLX

4. Gypsum Board* --

System A - 1 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in OC when installed horizontally. Horizontal joints need not be backed by steel framing.

CANADIAN GYPSUM COMPANY -- Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

UNITED STATES GYPSUM CO -- Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX.

USG MEXICO S A DE C V -- Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

System B - 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in two layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 1-5/8 in. long Type S steel screws spaced 12 in. OC when installed vertically and staggered 12 in. from base layer screws or 8 in. OC when installed horizontally and staggered 8 in. from base layer screws. Horizontal joints between inner and outer layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in.

CANADIAN GYPSUM COMPANY -- 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

UNITED STATES GYPSUM CO -- 1/2 in. Types C, IP-X2, IPC-AR, or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

USG MEXICO S A DE C V -- 1/2 in. Types C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

System C - 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 3/4 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, secured with 1-1/4 in. long Type S steel screws spaced 8 in. OC along vertical edges and 12 in. OC in the field when installed vertically or 8 in. OC along the vertical edges and in the field when installed horizontally. Horizontal joints need not be backed by steel framing. Screws along side joints offset 4 in. Requires min 4 in. deep framing per Items 1, 2 and 3. Requires min 3 in. thick mineral wool batts per Item 6.

CANADIAN GYPSUM COMPANY -- Types IP-X3, or ULTRACODE

UNITED STATES GYPSUM CO -- Types IP-X3, or ULTRACODE

USG MEXICO S A DE C V -- Types IP-X3, or ULTRACODE

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UL DESIGN No. U415 - CONTINUED FROM LEFT

Design No. U415 CONTINUED FROM LEFT

System D - 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached directly to studs with 1 in. long Type S steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. . Horizontal joints need not be backed by steel framing. Requires face layer of 1/2 or 5/8 in. thick cementitious backer units per Item 7 and min 1-1/2 in. thick mineral wool batts per Item 6.

CANADIAN GYPSUM COMPANY -- Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

UNITED STATES GYPSUM CO -- Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX.

USG MEXICO S A DE C V -- Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

System E - 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. OC when installed vertically or 8 in. when installed horizontally. Horizontal joints need not be backed by steel framing.

CANADIAN GYPSUM COMPANY -- 1/2 in. Types C, IP-X2, IPC-AR; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

UNITED STATES GYPSUM CO -- 1/2 in. Types C, IP-X2, IPC-AR; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

USG MEXICO S A DE C V -- 1/2 in. Types C, IP-X2, IPC-AR; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

System F - 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically in two layers. Inner or base layer attached to resilient furring channels (Item 2B) with 1 in. long Type S steel screws spaced 24 in. Outer or face layer attached to resilient furring channels (Item 2B) with 1-5/8 in. long Type S steel screws spaced 12 in. OC and staggered 12 in. from base layer screws. Joints between inner and outer layers staggered 24 in.

CANADIAN GYPSUM COMPANY -- 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

UNITED STATES GYPSUM CO -- 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

USG MEXICO S A DE C V -- 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

System G - 3 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in three layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed vertically or 16 in OC when installed horizontally. Middle layer attached to studs with 1-5/8 in. long Type S steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 2-1/4 in. long Type S steel screws spaced 16 in. when installed vertically or 12 in. OC when installed horizontally. Screws offset 6 in. from layer below. Horizontal joints on adjacent layers staggered a min of 12 in. . Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in. on adjacent layers.

CANADIAN GYPSUM COMPANY -- Types C, IP-X2, IPC-AR, WRC

UNITED STATES GYPSUM CO -- Types C, IP-X2, IPC-AR, WRC

USG MEXICO S A DE C V -- Types C, IP-X2, IPC-AR, WRC

System H - 3 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, two layers over the flange of the "C" section of the studs, one layer over the flange of the "H" section of the studs. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Face layer attached to studs with 1-5/8 in. long Type S steel screws spaced 16 in. when installed vertically or 12 in. OC when installed horizontally. Screws offset 6 in. from layer below. Horizontal joints on adjacent layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in. on adjacent layers.

CANADIAN GYPSUM COMPANY -- Types C, IP-X2, IPC-AR, WRC

UNITED STATES GYPSUM CO -- Types C, IP-X2, IPC-AR, WRC

USG MEXICO S A DE C V -- Types C, IP-X2, IPC-AR, WRC

System I - 4 Hr

Gypsum panels, with beveled, square or tapered edges, nom 3/4 in. thick, 4 ft wide (or 1200 mm for metric spacing) wallboard with square or tapered edges. Total of four layers to be used. First and second (inner) layers applied vertically or horizontally over the steel studs. Horizontal joints need not be backed by steel framing. When applied vertically, joints centered over studs and staggered min 24 in., otherwise all joints staggered min 12 in. First layer secured to studs with 1-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 24 in. OC. Second layer secured to studs with 2-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC. Third layer applied vertically over the furring channels (Item 2C) with a 1-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC. Fourth layer applied vertically or horizontally with 2-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC. When applied vertically, joints to be staggered min 24 in. from third layer, otherwise all joints staggered min 12 in.

CANADIAN GYPSUM COMPANY -- Types IP-X3, or ULTRACODE

UNITED STATES GYPSUM CO -- Types IP-X3, or ULTRACODE

USG MEXICO S A DE C V -- Types IP-X3, or ULTRACODE

4A. Gypsum Board* -- (As an alternate to Item 4 Systems A, B, C, D, E, F, G, H, and I when used as the base layer, For direct attachment only) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

RAY-BAR ENGINEERING CORP -- Type RB-LBG

5. Joint Tape and Compound -- (Not Shown)

Systems A, B, C, E, F, G, H, I

Joints on outer layers of gypsum boards (Item 4 and 4A) covered with paper tape and joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges. Exposed screw heads covered with joint compound.

6. Batts and Blankets* --

Systems A, B, E, F, G, H, I

(Optional) -- Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt mineral bearing the UL Classification Marking as to Fire Resistance.

Systems C & D

Min 3 in. (System C) and min 1-1/2 in. (System D) thick mineral wool batts, friction fitted between the studs and floor and ceiling runners.

THERMAFIBER INC -- Type SAFB

7. Cementitious Backer Units* -- (System D) -- Nom 1/2 or 5/8 in. thick panels, square edge, attached to studs over gypsum wallboard with 1-5/8 in. long, Type S-12, corrosion resistant steel screws spaced 8 in. OC and staggered 8 in. from gypsum wall board screws. Joints covered with glass fiber mesh tape. Vertical joints staggered one stud cavity from gypsum wallboard joints. Horizontal joints staggered a min of 12 in. from the gypsum wallboard joints.

UNITED STATES GYPSUM CO -- DUROCK Exterior Cement Board or DUROCK Brand Cement Board.

8. Laminating Adhesive* -- (Optional, Not Shown) -- Used to bond outer layer of Cementitious Backer Units (Item 7) to inner layers of Gypsum Board (Item 4) in System D. ANSI A136.1 Type 1 organic adhesive applied with 1/4 in. square notched trowel. See Adhesives (BYWR) in the Fire Resistance Directory or Adhesives (BJLZ) in the Building Materials Directory for names of Classified companies.

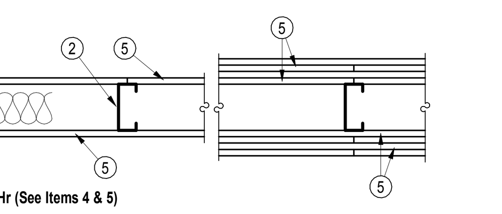
9. Lead Batten Strips -- (Not Shown, For Use With Item 4A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4A) and optional at remaining stud locations. Required behind vertical joints.

10. Lead Discs or Tabs -- (Not Shown, For Use With Item 4A) - Used in lieu of or in addition to the lead batten strips (Item 9) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

*Bearing the UL Classification Mark — Last Updated on 2009-02-20

UL DESIGN No. U419 - 1, 2, 3 OR 4 HR NON-BEARING WALL

Design No. U419



Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5)

1. Framing Members - Floor and Ceiling Runners — (Not shown) — For use with Item 2 - Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. Framing Members - Floor and Ceiling Runners* — Not shown - In lieu of Item 1 — For use with Item 2A, proprietary channel shaped, min. 3-5/8 in. wide, fabricated from min. 0.0150 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC max. Effective thickness is 0.034 in.

CLARKWESTERN BUILDING SYSTEMS INC — UltraSTEEL®

DIETRICH INDUSTRIES INC — UltraSTEEL®.

1B. Framing Members - Floor and Ceiling Runners — (Not shown - In lieu of Item 1) — For use with Item 2A, proprietary channel shaped, min. 2-1/2 in. wide, fabricated from min. 0.0150 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling fasteners 24 in. OC. max. Effective thickness is 0.034 in.

CLARKWESTERN BUILDING SYSTEMS INC — UltraSTEEL®

DIETRICH INDUSTRIES INC — UltraSTEEL®.

1C. Framing Members - Floor and Ceiling Runner* — Not shown - In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 3-5/8 in. wide attached to floor and ceiling with fasteners 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — ViperTrack™

CRACO MFG INC — SmartTrack™

MARINO\WARE A DIV OF WARE INDUSTRIES

INC — Viper25™ Track

1D. Framing Members - Floor and Ceiling Runner* — Not shown - In lieu of Item 1 — For use with Item 2D, proprietary channel shaped runners, 1-1/4 in. deep by 3-5/8 in. wide fabricated from min 0.0200 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

MARINO\WARE A DIV OF WARE INDUSTRIES

INC — Viper20S™ Track, Viper20D™ Track

1E. Framing Members*— Floor and Ceiling Runners — (Not shown) — In lieu of Item 1 - Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

2. Framing Members - Steel Studs — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width as indicated under Item 5, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. Framing Members - Steel Studs* — In lieu of Item 2 - Proprietary channel shaped studs, min. width as indicated under Item 5, fabricated from min. 0.0150 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. Allowable use of studs is shown in the table below. For direct attachment of gypsum board only. Effective thickness is 0.034 in.

CLARKWESTERN BUILDING SYSTEMS INC — UltraSTEEL®

DIETRICH INDUSTRIES INC — UltraSTEEL®.

2B. Framing Members - Steel Studs — (As an alternate to Item 2, For use with Items 5B & 5E) Channel shaped, fabricated from min 20 MSG (0.0327 in. thick) corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2C. Framing Members - Steel Studs* — (As an alternate to Item 2, For use with Item 5C) - Proprietary channel shaped studs, 3-5/8 in. wide spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a ½ in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

CALIFORNIA EXPANDED METAL PRODUCTS CO — ViperStud ™

CRACO MFG INC — SmartStud™

MARINO\WARE A DIV OF WARE INDUSTRIES

INC — Viper25™

2D. Framing Members - Metal Studs* — Not shown - In lieu of Item 2 — For use with Item 1D, proprietary channel shaped steel studs, min width as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.0200 in. thick galv steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.

MARINO\WARE A DIV OF WARE INDUSTRIES

INC — Viper20S™, Viper20D™

2E. Framing Members*— Steel Studs — In lieu of Item 2 - For Use with Item 1E- Channel shaped studs, , spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

3. Wood Structural Panel Sheathing — (Optional, For use with Item 5 Only.)- (Not Shown) - 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, fastener lengths for gypsum panels increased by min. 1/2 in.

4. Batts and Blankets* — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

4A. Batts and Blankets* — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

5. Gypsum Board* — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Wallboard Protection on Each Side of Wall

Rating	Min Stud Depth, Items 2 & 2E	Min Stud Depth, Item 2A	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	3-5/8	1 layer, 5/8 in. thick	Optional
1	2-1/2	3-5/8	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	3-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2-1/2	2 layers, 1/2 in. thick	Optional
2	1-5/8	2-1/2	2 layers, 5/8 in. thick	Optional
2	3-1/2	3-5/8	1 layer, 3/4 in. thick	3 in.
3	1-5/8	2-1/2	3 layers, 1/2 in. thick	Optional
3	1-5/8	2-1/2	2 layers, 3/4 in. thick	Optional
3	1-5/8	2-1/2	3 layers, 5/8 in. thick	Optional
4	1-5/8	2-1/2	4 layers, 5/8 in. thick	Optional
4	1-5/8	2-1/2	4 layers, 1/2 in. thick	Optional
4	2-1/2	2-1/2	2 layers, 3/4 in. thick	2 in.

CANADIAN GYPSUM COMPANY — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR ; 3/4 in. thick Types IP-X3 or ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. Gypsum Board* — (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6.

CANADIAN GYPSUM COMPANY — Type SHX.

UNITED STATES GYPSUM CO — Type FRX-G, SHX.

USG MEXICO S A DE C V — Type SHX.

5B. Gypsum Board* - (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 3) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

RAY-BAR ENGINEERING CORP - Type RB-LBG

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UL DESIGN No. U419 - CONTINUED FROM LEFT

Design No. U419

5C. Gypsum Board* — (For Use With Item 2C) Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.

CANADIAN GYPSUM COMPANY — Type SCX.

UNITED STATES GYPSUM CO — Type SCX.

USG MEXICO S A DE C V — Type SCX.

5D. Gypsum Board* — (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only.

UNITED STATES GYPSUM CO — Type USGX.

5E. Gypsum Board* — Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND LEAD BURNING CO INC, DBA

NELCO — Nelco

6. Fasteners — (Not shown) — For use with Item 2 - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

6A. Fasteners — (Not shown) —For use with Item 2A - Type S or S-12 steel screws used to attach panels to studs (Item 2A). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8-1/2 in. OC with additional screws 1 in. and 2-1/2 in. from edges of the board when panels are horizontally. or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems applied vertically: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Two layer systems applied horizontally: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC starting 8 in. from each edge of the board with an additional screw placed 1-1/4 in. from each edge of the board. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC starting 8 in. from each edge of the board with an additional screw placed 1-1/4 in. from each edge of the board with screws offset 8 in. from first layer. Three-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. For all layers, an additional screw shall be placed 1-1/4 in. from each edge of the board. Four-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. For all layers, an additional screw shall be placed 1-1/4 in. from each edge of the board.

7. Furring Channels — (Optional, not shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A.

7A. Steel Framing Members (Not Shown)* — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. Steel Framing Members* — Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC — Types RSIC-1, RSIC-V.

7B. Steel Framing Members (Optional, Not Shown)* — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A.

b. Steel Framing Members* — Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.

KINETICS NOISE CONTROL INC — Type Isomax

7C. Steel Framing Members* — Optional - Not Shown - Used as an alternate method to attach resilient channels (Item 7). Clips attached at each intersection of the resilient channel and the steel studs (Item 2). Resilient channels are friction fitted into clips, and then clips are secured to the steel stud with min. 1 in. long Type S-12 steel screws through the center hole of the clip and the resilient channel flange.

KEENE BUILDING PRODUCTS CO INC — Type RC Assurance.

8. Joint Tape and Compound — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. Siding, Brick or Stucco — (Optional, not shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. Caulking and Sealants* — (Optional, not shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

UNITED STATES GYPSUM CO — Type AS

11. Lead Batten Strips — (Not Shown, For Use With Item 5B) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

12. Lead Discs or Tabs — (Not Shown, For Use With Item 5B) - Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

13. Lead Batten Strips — (Not Shown, For Use With Item 5E) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 6) and optional at remaining stud locations.

14. Lead Tabs — (Not Shown, For Use With Item 5E) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 6) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

*Bearing the UL Classification Mark — Last Updated on 2009-07-14

ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

SASAKI

STATE OF UTAH
DEREK THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

UL RATED WALL ASSEMBLIES

G200
Sheet Number

1 2 3 4 5 6

Design No. D916

Design No. D916

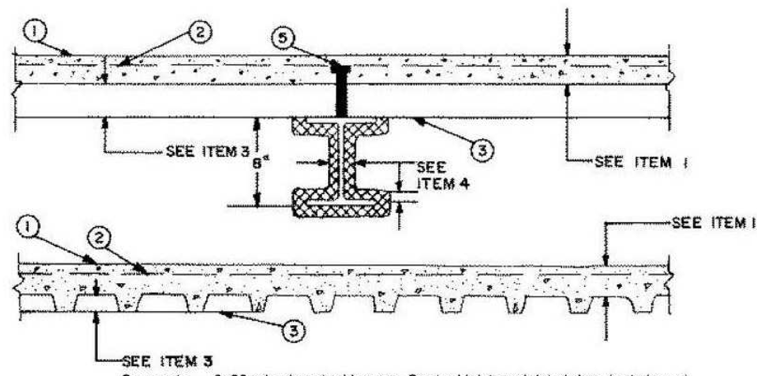
Restrained Assembly Ratings — 3/4, 1, 1-1/2, 2 or 3 Hr.

(See Items 1, 6, 7, 8 and 11)

Unrestrained Assembly Rating — 0 Hr. (See Items 3, 4 and 4A)

Unrestrained Beam Ratings — 1, 1-1/2, 2 and 3 Hr.

(See Items 4, 4A, 7 and 11)



Supports — 8x28 min size steel beams. Or steel joists or joist girders (not shown), composite or noncomposite. Welded or bolted to end supports. Designed per S.J.I. specifications for a max tensile stress of 30 ksi. May be either uncoated or provided with a shop coat of paint. For the 2 h or less Restrained or Unrestrained Beam Ratings, top and bottom chords shall each consist of two angles with a min total area of 0.96 and 0.77 sq in., respectively. Web members shall be either round bars or angles. Min area of the end diagonal web shall be 0.444 sq in. Min area of each of the first six interior diagonal webs shall be 0.406 sq in. All other interior webs shall have a min area of 0.196 sq in. For the 3 h Restrained or Unrestrained Beam Ratings, each of the top and bottom chords shall each consist of two angles with a min total area of 1.74 sq in. Web members shall be either round bars or angles. Min area of each of the first five end diagonal webs shall be 0.886 sq in. All other interior webs shall have a min area of 0.441 sq in. Bridging per S.J.I. specifications is required when noncomposite joists are used. For noncomposite joists, steel filler pieces of proper size, 1 to 2 in. long shall be welded to and between the top chord angles at midway between all top chord panel points.

1. **Normal Weight or Lightweight Concrete —** Normal weight concrete carbonate or siliceous aggregate, 3500 psi compressive strength, vibrated. Lightweight concrete, expanded shale, or slate aggregate by rotary-kiln method, or expanded clay aggregate by rotary-kiln or sintered-grate method, 3000 psi compressive strength, vibrated, 4 to 7 percent entrained air.

Restrained Assembly Rating Hr	Concrete (Type)	Concrete Unit Weight pcf	Concrete Thkns In.
1	Normal Weight	147-153	3-1/2
1-1/2	Normal Weight	147-153	4
2	Normal Weight	147-153	4-1/2
3	Normal Weight	147-153	5-1/4
3/4 or 1 (See Item 6)	Lightweight	107-113	2-1/2
1	Lightweight	107-120	2-5/8
1-1/2	Lightweight	107-113	3
2	Lightweight	107-113	3-1/4
2	Lightweight	107-116	3-1/4*
2	Lightweight	114-120	3-1/2
3	Lightweight	107-113	4-3/16
3	Lightweight	114-120	4-7/16

*For use with 2 or 3 in. steel floor and form units only.

2. **Welded Wire Fabric —** 6 x 6, 10 x 10 SWG.
3. **Steel Floor and Form Units* —** Composite 1-1/2, 1-5/8, 2 or 3 in. deep galv units or 4-1/2 in. deep noncomposite galvanized units. Fluted units may be uncoated or phosphatized/painted. Min gauges are 22 MSG for fluted and 20/20 MSG for cellular units. The following combinations of units may be used:
   (1) all 18, 24, 26, 28 or 36 in. wide cellular.
   (2) all fluted.
   (3) one or two 3 in. deep, 12 in. wide, 18/18 MSG min cellular units, alternating with 3 in. deep fluted or other cellular.
   (4) any blend of fluted and 18, 24, 26, 28, or 36 in. wide cellular.
   (5) 3 in. deep, 30 in. wide cellular with 8-1/8 in. wide valley along side joints may be used when 3/8 in. diam reinforcing bars are placed 1-1/2 in. to each side of side joints and 1 in. above bottom of unit.
   (6) Corrugated, 1-5/16 in. deep, 30 in. wide, 24 MSG min galv units with shear wires factory welded to deck corrugations. Welded to supports 12 in. OC. through welding washers. For shear wire spacing of 8 in. or less the steel deck stress shall not exceed 20 KSI. For shear wire spacing greater than 8 in. OC. but less than or equal to 12 in. OC., steel deck stress shall not exceed 12 KSI.

ASC STEEL DECK, DIV OF ASC PROFILES

INC — 24, 30, or 36 in. wide, Types B Hi-Form, BF Hi-Form, N Hi-Form, NF Hi-Form, 2W Hi-Form, 2WF Hi-Form, 3W Hi-Form, 3WF Hi-Form BR Hi-Form, BMOD Hi-Form, BRMOD Hi-Form, DGB Hi-Form, DGBF Hi-Form, DGN Hi-Form, DGN32 Hi-Form, DGNF Hi-Form, DGNF32 Hi-Form, DG2W Hi-Form, DG2WF Hi-Form, DG3W Hi-Form, and DG3WF Hi-Form; 32 in. wide Type N-32, NF32, DGN-32, DGNF32; 24 or 30 in. wide Types ASC2 or ASC3. All units may be galvanized or Prime Shield.

CANAM STEEL CORP — 36 in. wide Type P-3623, P-3606, P-3615 and 24 in wide Type P-2432 composite.

CENTRIA — QL Types, 24 in. wide 3 or 3 inverted, UKX, UKX-3, 2 in. 99, AKX, 21 or 21 inverted, 121, NKX, TKX; 24 or 30 in. wide GKX, GKXH, GKX-A; 36 in. wide 99, AKX, WKX; 24, 26, or 36 in. wide NKX; 1.5NKC, NKC, AKX, 2 or 3 in. TKC; 12 in. wide noncomposite Sec. 12; 17 in. wide 21; 26 or 28 in. wide UKX, 87.5 cm wide. Side joints of QL, 99, 121, WKX, TKX, TKC, and Metric units - QL-77-900; QLC-78-900 may be welded together 60 in. OC. Side joints of 99, AKX, WKX, GKX, GKX-A, TKX and Metric units - QL-77-900 and QLC-78-900 may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC.

CHIA TEH CONSTRUCTION MATERIAL CO LTD — 24 or 36 in. wide Mac-Lok 3; 24 in. wide CFD-3.

CANAM STEEL CORP — 24 in. wide, Types 1-1/2 , 2 or 3 in. LOK-Floor and LOK-Floor Cell; 36 in. wide, Types 2 or 3 in. LOK-Floor and LOK-Floor Cell; 24 in. wide, Types N-LOK and N-LOK Cell; 24, 30 or 36 in. wide, Type 1-1/2 in. B-LOK and B-LOK Cell.

CONSOLIDATED SYSTEMS INC — 24 in. wide Types CFD-2, CFD-3; 24, 30 or 36 in. wide Type CFD-1.5; 24 or 36 in. wide Types Mac-Lok 2, Mac-Lok 3; 24 in. wide, Types B2C, B2FC, NC, NFC; 30 in. wide Type B3C; 12 in. wide Mac-Way cellular 45 MOW, 2-633 MTWA, 3-633 MTWA, 2-633MTWV, 3-633MTWV+, 24 in. wide Type Versa-Dek.

DECK WEST INC — 36 in. wide Type B-DW, Inverted B-DW, BA-DW, Inverted BA-DW, 2-DW or 3-DW. Side joints of Type 2-DW and 3-DW may be fastened together with min 1 in. long No. 12 x 14 self-drilling, self-tapping steel screws 36 in. OC.

EPIC METALS CORP — 24 in. wide Types EC150, ECP150, EC300, ECP300, EC366, ECP366, EC150, EC300 inverted, ECA, 30 in. wide Types ECB150, ECBR150; 36 in. wide Type EC266.

GENS METALS INC — 24 or 36 in. wide Types LF2, LF3.

MARLYN STEEL DECKS INC — Type 1.5 CF, 2.0 CF or 3.0 CF.

HAMBRO STRUCTURAL SYSTEMS, DIV OF

CANAM STEEL CORP — 36 in. wide, 1-1/2 in. Type P3615HB. The max superimposed loadings for Type P3615HB units shall not exceed 250 PSF. For single spans, the use of the units shall be limited to 5 ft 6 in., 6 ft 0 in. and 6 ft 6 in. max spans for the 22, 20 and 18 gauge units, respectively. For multiple spans, 18 gauge units may be used on a max 7 ft 6 in. spans with a max total superimposed loading of 240 PSF.

MORIN CORP — 24, 30 or 36 in. wide Types LXR-B, LXR-B inverted; 24 or 36 in. wide Type LXR-3W; 36 in. wide Type LXR-2W.

NEW MILLENNIUM BUILDING SYSTEMS L L C — Type 1.5CD, 2.0CD, or 3.0CD. Units may be phos/painted or galvanized.

Design No. D916 (CONT.)

Design No. D916

ROOF DECK INC — 36 in. wide Types LOK 1 1/2, LOK 1 1/2 R; 24 in. wide Types LOK-2, LOK-3.

VALLEY JOIST — 24 or 36 in. wide Types WVC 1-1/2 or WVC 2.

VERCO DECKING INC - A NUCOR CO — 24, 30 or 36 in. wide Types PLB, B, BR; 24 or 36 in. wide Types PLW2, W2, PLW3, W3; 24 in. wide Types PLN, N. 12 in. wide PLW2, W2, PLW3 or W3 units may be blended with 24 or in. wide PLW2, W2, PLW3 or W3 units, respectively. Units may be phos/ptd.

VICWEST CORP — 24 in. wide Type HB306; 32 in. wide Types HB308-INV and HB30V; 36 in. wide Types HB938, HB938CL and HB938-INV.

VULCRAFT, DIV OF NUCOR CORP — 24, 30 or 36 in. wide, Types 1.5VL, 1.5VLI, 1.5VLP, 1.5VLR; 24 or 36 in. wide, Types 2VLI, 3VLI, 2VLP, 3VLP. Side joints of Type 1.5VL may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC max.

WIREMOLD CO — 24 in. wide, Types 2 or 3 in. WDR.

WHEELING-PITTSBURGH STEEL CORP, DIV

OF WHEELING CORRUGATING CO — 30 in. wide Types SB-150, -150N, -150NR, -150R; 30 or 36 in. wide Types SB-B16LF, -B16LFR; 24 or 36 in. wide Types SB-P21LF, -P31LF; 24 in. wide Types SB-200, -300. Type SB-B16LFR may be phos/ptd. Lock Form Type, 24, 30 or 36 in. Types B16LF, B16LFNV; 24 in. wide Types C34LF, N34LF, P34LF, P34LFNV; 12, 24 or 36 in. wide Types C20LF, C30LF, C31LF, P20LF, P30LF, P31LF; 36 in. wide Types 1.5 SB, 1.5 SBR; 24 or 36 in wide Types 2.0 SB, 3.0 SB, 36 in. wide Type High Strength 1.5 SBI, 36 in. wide Type High Strength 1.5 SBN; 30 in wide, Types 1-1/2 in. V-Grip, 1-1/2 in. RV-Grip; 24 or 36 in. wide Types 212V-Grip, 312 V-Grip; 36 in. wide Types 212VW3-Wireway, 312VW3-Wireway.

Components for field — assembled cellular metal raceway units:

Raceway bottom — 24 or 36 in. wide Types 212VS, 312VS.

Raceway cover plate — Types CP-12, CP-16.

Raceway divider — Types DC-20, DC-25.

Raceway isolation trough — Types T-20, T-25, T-30.

Spacing of welds attaching units to supports shall be 12 in. OC for 12, 24, and 36 in. wide units, four welds per sheet for 30 in. wide units, 6 in. OC for 18 in. wide and Sec. 12 units. Unless noted otherwise, adjacent units button-punched or welded together 36 in. OC along side joints. Adjacent 18 in. wide units welded together 30 in. OC along side joints. For **3 Hr. Rating,** units with overlapping type side joints welded together 24 in. OC max.

When a superimposed load of 250 PSF is desired the spacing of welds or button-punches shall not exceed 24 in. OC along side joints.

+12 in. wide, 1-1/2 in. deep Mac-Way units may be blended with 24 in. wide B2C or 30 in. wide B3C units in a blend of one cell to one or more fluted units. 12 in. wide, 2 in. deep Mac-Way units may be blended with 36 in. wide Mac-Lock 2 units in a blend of one cell to one or more fluted units. 12 in. wide, 3 in. deep Mac-Way units may be blended with 36 in. wide Mac-Lock3 units in a blend of one cell to one or more fluted units. The side edge of the fluted unit is placed on the top of the side edge of the Mac-Way unit and the two are welded together with welding washers spaced a max. of 32 in. OC for Mac-Lock 2 or 3 units and a max. of 24 in. OC for the B2C or B3C units.

The Unrestrained Assembly Rating is equal to the Unrestrained Beam Rating for a max of 3 Hr. and is limited to the following units and limitations:

(a) 1-1/2 in. deep, 24 in. wide, 22 MSG or thicker fluted with clear spans not more than 7 ft 8 in.

(b) 1-1/2 in. deep, 24 in. wide, 20 MSG or thicker fluted with clear spans not more than 8 ft 8 in.

(c) 1-1/2 in. deep, 24 in. wide, 16 MSG or thicker fluted and 18/18 MSG or thicker cellular with clear spans not more than 9 ft 11 in.

(d) 3 in. deep, 36 in. wide, 18 MSG or thicker fluted and 24 in. wide, 20/18 MSG or thicker cellular with clear spans not more than 13 ft 2 in.

4. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below, in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min ind density of 15/14 pcf respectively. Min avg and min ind density of 19/18 pcf respectively for Type 7GP and 7HD. For method of density determination, refer to Design Information Section.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	1/2
1-1/2	1	1	1/2
1-1/2	1-1/2	1-1/2	13/16
2	1	1	1/2
2	2	2	1-1/16
3	1-1/2	1-1/2	13/16
3	3	3	1-9/16

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the thickness applied to the beams' lower flange edges is reduced by 1/2 that shown in the table:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	9/16
1-1/2	1	1	9/16
1-1/2	1-1/2	1-1/2	7/8
2	1	1	9/16
2	2	2	1-3/16
3	1-1/2	1-1/2	7/8
3	3	3	1-3/4

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the thickness applied to the beams' lower flange edges is reduced by 1/2 that shown in the table and the beams are supporting all fluted floor or form units w/lightweight concrete only:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	7/16+
1-1/2	1	1	7/16+
1-1/2	1-1/2	1-1/2	3/4
2	1	1	7/16+
2	2	2	1
3	1-1/2	1-1/2	3/4
3	3	3	1-9/16

+Thickness applied to beams' lower flange edge to be 1/4 in. min.

The thickness of material required on the steel joist for the various ratings are shown in the following table:

Restrained or Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Joist & Bridging In.
1	1	1-1/8
1-1/2	1-1/2	1-3/4
2	2	2-1/4
3	3	2-7/8

Design No. D916 (CONT.)

Design No. D916

ARABIAN VERMICULITE INDUSTRIES — Type MK-5.

W R GRACE & CO - CONN — Types MK-4, MK-5, MK-6/HY, MK-6s, RG, Monokote Acoustic 1.

GRACE KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Monokote Acoustic 1.

PYROK INC — Type LD.

SOUTHWEST FIREPROOFING PRODUCTS CO — Types 4, 5, 5EF, 5GP, 5MD, 7GP, 7HD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.

4A. **Alternate Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. When fluted steel deck is used the area between the steel deck and the beams top flange shall be sprayed min avg and min ind density of 19/18 pcf, respectively for Types 7GP, 7HD, 105. Min avg and min ind density of 22/19 pcf, respectively for Types Z-106, Z-106/G, Z-106/HY. For method of density determination, refer to Design Information Section.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	1/2
1-1/2	1	1	1/2
1-1/2	1-1/2	1-1/2	13/16
2	1	1	1/2
2	2	2	1-1/16
3	1-1/2	1-1/2	13/16
3	3	3	1-9/16

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the beams are supporting all fluted floor or form units w/lightweight concrete only:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	7/16
1-1/2	1	1	7/16
1-1/2	1-1/2	1-1/2	3/4
2	1	1	7/16
2	2	2	1
3	1-1/2	1-1/2	3/4
3	3	3	1-5/16

+Thickness applied to beams lower flange edge to be 1/4 in. min.

The thickness of material required on the steel joist for the various Ratings are shown in the following table:

Restrained or Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Type of Concrete Slab	Spray Applied Fire Resistive Mtl Thkns In. Joist & Bridging
1	1	NW or LW	1-1/8
1-1/2	1-1/2	NW or LW	1-3/4
2	2	NW or LW	2-1/4
3	3	NW or LW	2-7/8

W R GRACE & CO - CONN — Types Z- 105, Z-106, Z-106/G, Z-106/HY, Monokote Acoustic 5.

GRACE KOREA INC — Types Z-106, Z-106/G, Z-106/HY, Monokote Acoustic 5.

SOUTHWEST FIREPROOFING PRODUCTS CO — Types 7GP, 7HD.

4B. **Alternate Spray-Applied Fire Resistive Materials —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. The thicknesses shown in the table below are applicable to beams supporting all fluted floor or form units. Min avg and min ind density of 40/36 pcf, respectively. Min avg and min ind density of 40/36 pcf respectively for Types Z-146, Z-146PC and Z-146T cementitious mixture. Min avg and min ind density of 50/45 pcf respectively for Types Z-156, Z-156T and Z-156PC.

For density determination refer to Design Information Section.

Unrestrained			Spray Applied Fire Resistive
Beam Rating Hr	**Restrained Assembly Rating Hr**	**Concrete Type**	**Mtl Thkns on Beam In.**
1	1, 1-1/2, 2	LW	9/16
1-1/2	1, 1-1/2, 2, 3	LW	7/8
1	1, 1-1/2, 2	LW	3/4
1-1/2	1, 1-1/2, 2, 3	LW	1

GRACE KOREA INC — Type Z-146 investigated for exterior use

W R GRACE & CO - CONN — Types Z-146, Z-146T, Z146PC, Z-156, Z-156T and Z-156PC investigated for exterior use

5. **Shear-Connector Studs — Optional —** Studs 3/4 in. diam by 3 in. long, for 1-1/2 in. deep form units to 5-1/4 in. long for 3 in. deep form units, headed type or equivalent per AISC specifications. Welded to the top flange of the beam through the steel form units.

6. **Electrical Inserts —** (Not shown) Classified as **"Outlet Boxes and Fittings Classified for Fire Resistance."**

CENTRIA — Preset Inserts

For use with 2-1/2 in. lightweight concrete topping over QL-WKX steel floor units. Installed over factory-punched holes in floor units per accompanying installation instructions.

Spacing shall not be more than one insert in each 14 sq ft. of floor area with spacing along floor units not less than 48 in. OC. The holes cut in insert cover for passage of wires shall be no more than 1/8 in. larger diam. than wire. Restrained Assembly Rating is 3/4 hr with Tapmate II-FS-1 and 1 hr with Tapmate II-FS-2 inserts.

CENTRIA — Tapmate II-FS-1, II-FS-2; Series KEB.

(2) **Wiremold Co.** — After set Inserts.

Single-service after set inserts installed per accompanying installation instructions in 2-1/2 in. diam hole core-drilled through min 3-1/4 in. thick concrete topping to top of cell of any min 3 in. deep cellular steel floor unit specified under Item 3. Spacing shall be no more than one insert in each 10 sq ft of floor area in each span with a min center to center spacing of 16 in. If the high potential and low potential raceways of the cellular steel floor unit are separated by a valley filled with concrete, the center to center spacing of the high potential and low potential single-service after set inserts may be reduced to a min of 7-1/2 in. Restrained Assembly Rating is 2 hr or less with internally protected type 436 after set insert with Type M4-, M6- or M8- Series single-service activation fitting.

WIREMOLD CO — Internally protected Type 436 after set insert with Type M4-, M6- or M8- Series single-service activation fitting.

Design No. D916 (CONT.)

Design No. D916

7. **Mineral and Fiber Boards* —** (Optional, not shown). Applied over concrete floor with no restriction on board thickness. When mineral and fiber boards are used, the unrestrained beam rating shall be increased by a minimum of 1/2 hr.

See Mineral and Fiber Board (CERZ) category for names of manufacturers.

8. **Roof Covering Materials* —** (Optional, not shown)Consisting of materials compatible with insulations described herein which provide Class A, B or C coverings. See Built-Up Roof Covering Materials in Building Materials Directory.

9. **Insulating Concrete —** (not shown) Optional. Various types of insulating concrete prepared and applied in the thickness indicated:
A. **Vermiculite Concrete —** (not shown) Optional.
1. Blend 6 to 8 cu. ft. of Vermiculite Aggregate* to 94 lb. Portland Cement and air entraining agent. Min thickness of 2 in. as measured to the top surface of the structural concrete or foamed plastic (Item 10) when it is used.

ELASTIZELL CORP OF AMERICA

SIPLAST INC

VERMICULITE PRODUCTS INC

2. Blend 3.5 cu. ft. of Type NVC Concrete Aggregate* or Type NVS Vermiculite Aggregate* coat, 1/8 in. thickness beneath foamed plastic (Item 10) when used, 1 in. min topping thickness.

SIPLAST INC

VERMICULITE PRODUCTS INC

Vermiculite concrete may be covered with Roof Covering Materials (Item 8).

B. **Cellular Concrete — Roof Topping Mixture* —** concentrate mixed with water and Portland cement per manufacturers specifications. Cast dry density and 28—day min. compressive strength of 190 psi as determined with ASTM C495— 66.

CELCORE INC — Type Celcore with cast dry density of 31 (+ or - 3.0) pcf or Type Celcore MF with cast dry density of 29 (+ or - 3.0) pcf.

CELLULAR CONCRETE L L C — Cast dry density of 37 (+ or -) 3.0 pcf.

ELASTIZELL CORP OF AMERICA — Type II. Mix #1 of cast dry density 39 (+ or -) 3.0 pcf, Mix #2 of cast dry density 40 (+ or -) 3.0 pcf, Mix #3 of cast dry density 47 (+ or -) 3.0 pcf.

C. **Cellular Concrete-Roof Topping Mixture* —** Concentrate mixed with water and Portland cement per manufacturers specifications. 28-day min. compressive strength of 190 psi as determined with ASTM C495-66.

LITE-CRETE INC — Cast dry density of 29 (+ or -) 3.0 pcf.

SIPLAST INC — Mix No. 1 or 2. Cast dry density of 32+3 (Mix No. 1) or 36+3 (Mix No. 2) pcf.

D. **Perlite Concrete —** 6 cu ft. of Perlite Aggregate* to 94 lb of Portland Cement and 1-1/2 pt air entraining agent. Min. thickness 2 in. as measured to the top surface of structural concrete or foamed plastic (Item 10A) when it is used.

See Perlite Aggregate (CFFX) in Fire Resistance Directory for names of manufacturers.

E. **Cellular Concrete — Roof Topping Mixture* —** Foam Concentrate mixed with water, Portland Cement and UL Classified Vermiculite Aggregate per manufacturer's application instructions. Cast dry density of 33 (+ or -) 3.0 pcf and 28-day compressive strength of min 250 psi as determined in accordance with ASTM C495-86.

CELLULAR CONCRETE L L C — Mix No. 3.

SIPLAST INC — Mix No. 3.

F. **Floor Topping Mixture* —** (Optional, not shown) — Approx 4.5 gal of water to 41 lbs of NVS Premix floor topping mixture. Slurry coat 1/8 in. thickness beneath foamed plastic (Item 10) when used , 1 in. min topping thickness.

SIPLAST INC

Floor Topping Mixture may be covered with Built-Up or Single Membrane Roof Covering.

10. **Foamed Plastic* —** (optional — Not Shown) For use only with vermiculite (Item 9A) or cellular (Item 9C) concretes — Rigid polystyrene foamed plastic insulation having slots and/or holes sandwiched between vermiculite concrete slurry which is applied to the normal or lightweight concrete surface and vermiculite concrete topping (Item 9A). Max. Thickness to be 8 in.

SIPLAST INC

VERMICULITE PRODUCTS INC

10A. **Foamed Plastic* —** For use only with cellular concrete. Nominal 24 by 48 by max. 8 in. thick polystyrene foamed plastic insulation boards having a density of 1.0 + 0.1 pcf encapsulated within cellular concrete topping (Item 98). Each insulation board shall contain six nominal 3 in. diameter holes oriented in two rows of three holes each with the holes spaced 12 in. OC, transversely and 16 in. OC longitudinally.

See Foamed Plastic* (BRYX) category in Building Materials Directory or Foamed Plastic* (CCVW) category in Fire Resistance Directory for list of manufacturers.

11. **Foamed Plastic* —** (Optional, not shown). Polyisocyanurate roof insulation, applied over concrete floor with no restriction on insulation thickness. When polyisocyanurate insulation is used, the unrestrained beam rating shall be increased by a minimum of 1/2 hr.

12. **Metal Lath —** (Not Shown) — (Required with Z-146, Z-146T, Z146PC, Z-156, Z-156T and Z-156PC, otherwise optional) - Metal lath may be used to facilitate the spray application of Spray-Applied Fire Resistive Materials on steel bar joist and trusses. The diamond mesh, 3/8 in. expanded steel lath, 1.7 to 3.4 lb per sq yd is secured to both sides of each steel joist with No. 18 SWG galv steel wire at joist web and bottom chord members spaced 15 in. OC max. When used, the metal lath is to be fully covered with Spray-Applied Fire Resistive.

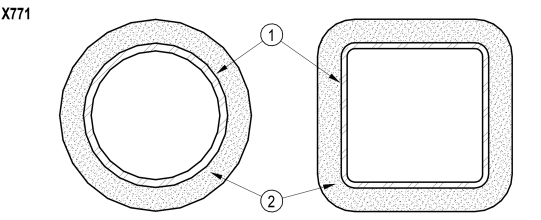
See **Foamed Plastic** (CCVW) category for list of manufacturers.

*Bearing the UL Classification Mark

Last Updated on 2010-10-05

Design No. X771 Rating - 3/4, 1, 1 1/2, 2, 3 AND 4 HR COL. PROTECTION

Design No. X771



Ratings — 3/4, 1, 1-1/2, 2, 3 and 4 hr

1. Steel Pipe or Tube Column — Steel circular pipe with diameter (OD) ranging from a minimum of 3 in. to a maximum of 32 in. with a minimum wall thickness of 3/16 in.

Steel square or rectangular tube with outside wall dimensions ranging from a minimum 3 in. to a maximum of 32 in. and a minimum wall thickness of 3/16 in.

The A/P ratio of the steel pipe or tube (see Item 2) shall range from 0.18 to 2.0.

2. Spray-Applied Fire Resistive Materials* — Applied by mixing with water and spraying in one or more coats to steel surfaces which must be clean and free of dirt, loose scale and oil. Min avg and ind density of 15/14 pcf respectively. Min avg and min ind density of 22/19 pcf respectively for Types Z-106, Z-106/G. Min avg and min ind density of 19/18 pcf respectively for Types 7GP and 7HD. For method of density determination, see Design Information Section, preceding these designs.

The hourly rating of the structural member is dependent upon the ratio of A/P and the thickness of Spray-Applied Fire Resistive Materials, where A is the cross sectional area of the pipe or tube and P is the heated perimeter.

The A/P ratio of a circular pipe is determined by:

$$A/P \text{ pipe} = \frac{t(d-t)}{d}$$

Where:
d = the outer diameter of the pipe (in.)
t = the wall thickness of the pipe (in.)

The A/P ratio of a rectangular or square tube is determined by:

$$A/P \text{ tube} = \frac{t(a+b-2t)}{a+b}$$

Where:
a = the outer width of the tube (in.)
b = the outer length of the tube (in.)
t = the wall thickness of the tube (in.)

The thickness of Spray-Applied Fire Resistive Materials for ratings of 3/4, 1, 1-1/2, 2, 3 and 4 h of a steel pipe or tube can be determined by the equation:

$$h = \frac{R - 0.20}{4.43\,(A/P)}$$

Where:
R = the hourly rating (hrs).
h = the thickness of Spray-Applied Fire Resistive Materials, minimum 1/4 in., maximum 3-7/8 in.

ARABIAN VERMICULITE INDUSTRIES — Types MK-5, MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Sonophone 1, Sonophone 5, Z-106, Z-106/G.

GRACE KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Monokote Acoustic 1, Monokote Acoustic 5, Z-106, Z-106/G.

PYROK INC — Type LD.

SOUTHWEST FIREPROOFING PRODUCTS CO — Types 4, 5, 5EF, 5GP, 5MD, 7GP, 7HD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.

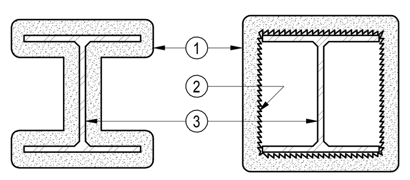
VERMICULITE PRODUCTS INC — Types MK-4, MK-5.

W R GRACE & CO - CONN — Types MK-4, MK-5, MK-6/HY, MK-6s, Monokote Acoustic 1, Monokote Acoustic 5, RG, Z-106, Z-106/G.

***Bearing the UL Classification Mark** — **Last Updated on 2007-03-13**

Design No. X772 Rating - 1, 1 1/2, 2, 3 AND 4 HR COL. PROTECTION

Design No. X772



Ratings — 1, 1-1/2, 2, 3 and 4 hr.

1. Spray-Applied Fire Resistive Materials* — Applied by mixing with water and spraying in more than one coat to the thicknesses shown below, to steel surfaces which are clean and free of dirt, loose scale, and oil. Min avg and min ind density of 15/14 pcf respectively. Min avg and min ind density of 22/19 pcf respectively for Types Z-106, Z-106/G. Min avg and min ind density of 19/18 pcf respectively for Types 7GP and 7HD. Min avg and min ind density of 40/36 pcf respectively for Types Z-146, Z-146PC and Z-146T cementitious mixture. Min avg and min ind density of 50/45 pcf respectively for Types Z-156, Z-156T and Z-156PC. For method of density determination, see Design Information Section, Sprayed Material.

The thickness of Spray-Applied Fire Resistive Materials to be applied to all surfaces of the column (Item 1) required for rating periods of 1 h, 1-1/2 h, 2 h, 3 h, 4 h may be determined by the equation:

$$h = \frac{R}{1.05\,(W/D) + 0.61}$$

Where:
h = Spray-Applied Fire Resistive Materials thickness in the range 0.25-3.875 in.
R = Fire resistance rating in hours (1 - 4 h)
D = Heated perimeter of steel column in inches
W = Weight of steel column in lbs per foot
W/D = 0.33 to 6.62

As an alternate to the equation, the minimum thickness of Spray-Applied Fire Resistive Materials required for various fire resistance ratings of contour sprayed or boxed columns may be determined from the table below:

Min Col Size	W/D	Min Thk In. 1 Hr	1-1/2 Hr	2 Hr	3 Hr	4 Hr
W6X9	0.33	1-1/8	1-1/2	2	2-1/2	3-13/16
W6x16	0.57	13/16	1-1/4	1-11/16	2-1/2	3-5/16
W8x28	0.67	3/4	1-3/16	1-3/8	2	2-11/16
W10x49	0.83	11/16	7/8	1-1/8	1-11/16	2-1/2
W14x228	2.49	5/16	1/2	9/16	7/8	1-1/4
W14x730	6.62	5/16	5/16	5/16	3/8	9/16

The thicknesses contained in the table below are applicable when the Spray-Applied Fire Resistive Materials applied to columns' flange tips are reduced to one-half that shown in the table below:

Min Col Size	W/D	1 Hr	Min Thk In. 1-1/2 Hr	2 Hr	3 Hr	4 Hr
W6x9	0.33	1-1/8	1-5/8	2-1/16	2-15/16	3-13/16
W6x16	0.57	7/8	1-5/16	1-3/4	2-9/16	3-3/8
W8x28	0.67	13/16	1-3/16	1-1/2	2-1/4	2-15/16
W10x49	0.83	3/4	1-1/16	1-3/8	2-1/16	2-3/4
W14x233	2.49	5/16	1/2	11/16	1-3/16	1-5/8
W14x730	6.62	5/16	5/16	5/16	9/16	3/4

As an alternate to the equation, the min thickness of Spray-Applied Fire Resistive Materials Types Z-146, Z-146PC, Z-146T, Z-156, Z-156T and Z-156PC required for various fire resistance ratings of contours sprayed or boxed wide flange columns are shown in the table below:

Column Size In.	Min Thkns In. 1 Hr	1-1/2 Hr	2 Hr	3 Hr	4 Hr
W6x9	1-1/16	1-7/16	1-1/2	2-1/4	3
W6x12	1	1-3/8	1-1/2	2-1/4	3
W6x16	13/16	1-1/4	1-1/2	2-1/4	2-15/16
W8x28	3/4	1-3/16	1-3/8	2	2-1/2
W10x49	11/16	7/8	1-1/8	1-9/16	1-15/16
W21x73	11/16	7/8	1-1/8	1-9/16	1-15/16
W12x106	9/16	7/8	1-1/8	1-9/16	1-15/16
W14x233	5/16	1/2	9/16	7/8	1-1/4
W14x730	5/16	5/16	5/16	3/8	9/16

ARABIAN VERMICULITE INDUSTRIES — Types MK-5, MK-6/CBF, MK-6/ED, MK-6/HY, MK-6/HY Extended Set, MK-6s, Sonophone 1, Sonophone 5, Z-106, Z-106/G.

W R GRACE & CO - CONN — Types MK-4, MK-5, MK-6/HY, MK-6/HY Extended Set, MK-6s, RG, Monokote Acoustic 1, Monokote Acoustic 5, Z-106, Z-106/G, Z-146, Z-146PC, Z-146T, Z-156, Z-156T and Z-156PC (Types Z-146, Z-146PC, Z-146T, Z-156, Z-156PC, Z-156T also investigated for exterior use).

GRACE KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6/HY Extended Set, MK-6s, Monokote Acoustic 1, Monokote Acoustic 5, Z-106, Z-106/G.

PYROK INC — Type LD.

SOUTHWEST FIREPROOFING PRODUCTS CO — Types 4, 5, 5EF, 5GP, 5MD, 7GP, 7HD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.

VERMICULITE PRODUCTS INC — Type MK-4 or MK-5.

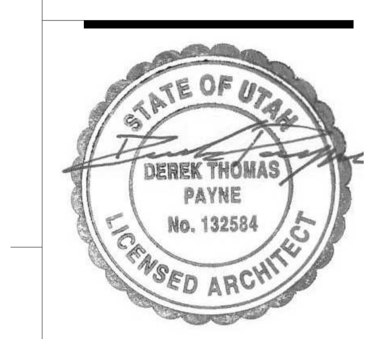
2. Metal Lath — (Optional for contour application) — 3.4 lb/sq yd galvanized or painted expanded steel lath. Lath shall be lapped 1 in. and tied together with No. 18 SWG galvanized steel; wire spaced vertically 6 in. O.C.

3. Steel Column — Wide flange steel column, min/max sizes as specified above.

***Bearing the UL Classification Mark** — **Last Updated on 2008-10-22**

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI



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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #06297640

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

UL RATED COLUMN AND BEAM ASSEMBLIES

G201

Sheet Number

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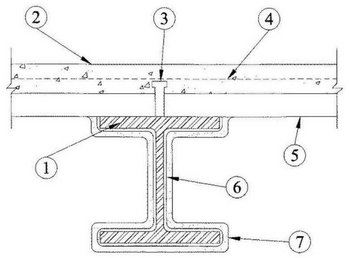
Design No. N608

Design No. N608

Restrained Beam Ratings—1, 1-1/2, 2, 3, 4 Hr (See Item 7)

Unrestrained Beam Ratings—1, 1-1/2, 2, 3, 4 Hr (See Item 7)



1. **Steel Beam —** W10x88 min size.
2. **Normal Weight or Lightweight Concrete —** Compressive strength, 3000 psi. For normal weight concrete either carbonate or siliceous aggregate may be used. Unit weight, 148 pcf. For lightweight concrete, unit weight 110 pcf.
3. **Shear Connector (Optional) —** Studs, 3/4 in. diam headed type or equivalent per AISC specifications. Welded to the top flange of beam through the steel floor units.
4. **Welded Wire Fabric (Optional) —** 6 x 6-10/10 SWG.
5. **Steel Floor and Form Units —** 1-1/2, 2, or 3 in. deep fluted, welded to beam.
6. **Glass Fiber Mesh —** 3/16 in. by 3/16 in. square pattern glass fiber reinforcing mesh weighing 5.3 oz per sq. yard shall be placed, following the contour of the beam, in the following manner:

Thkns of Protection Material (in.)	Depth of Placement of Reinforcing Mesh (in.)
.12 - .24	Mid point of Protection Material
.24 and greater	.12

Adjacent pieces of reinforcing mesh along the length of the beam shall be overlapped a min of 2 in.

7. **Mastic Coating* —** Two component spray material applied in more than one coat as described in the manufacturer's application instructions to the thickness shown below. Beams to be primed with an epoxy primer. Flutes above beam to be completely filled with mineral wool insulation having a min density of 6 pcf.

Rating, Hr	Min Thkns, In. Unrestrained Beams	Restrained Beams
1	.12	.12
1-1/2	.12	.12
2	.13	.12
3	.30	.23
4	.47	.39

CARBOLINE CO — Types Thermo-Lag 3000-SP, Thermo-Lag 3000-P, Thermo-Lag 3000-SA, Thermo-Lag 3000-A and Thermo-Lag 3000-FC subliming mastic coatings.

8. **Top Coat —** Type Carboguard 1340 intermediate coat applied over mastic coating at 0.002 in. thickness and Type Carbothane 133HB topcoat or Carbothane 133MC top-coat applied over intermediate coat at 0.003 in. thickness.
8A. **Top Coat —** As an alternate to Item 4, Type Carboguard 889 or Type Carbomastic 94 topcoat applied over mastic coating (Item 2) at 0.010 in. thickness.

*Bearing the UL Classification Mark

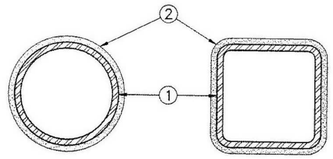
Last Updated on 2009-07-28

Design No. X642 Ratings - 3/4, 1, 1 1/2, AND 2 HR (SEE ITEM 2)

Design No. X642

Design No. X642
February 18, 2010

Ratings - 3/4, 1, 1-1/2 and 2 Hr (See Item 2)



1. **Steel Column —** Square, rectangular or circular tubular steel columns with the minimum sizes shown in the table below. Steel columns shall be free of dirt, loose scale and oil. Column shall be primed with metal alkyd primer.
2. **Mastic Coating* —** Coating applied in accordance with manufacturer's instructions to the minimum dry film thickness shown below:

		Column	Required Min
Rating, hr	Steel Column Size	A/P	Thickness, In.
3/4	SP 4 diam x 3/16 in.	0.18	0.102
3/4	ST 5 x 3 x 1/4 in.	0.22	0.130
3/4	ST 8 x 6 x 5/16 in.	0.29	0.065
3/4	ST 10 x 10 x 1/2 in.	0.46	0.035
1	ST 5 x 3 x 5/16 in.	0.27	0.130
1	ST 12 x 12 x 1/2 in.	0.47	0.045
1	SP 10 in. diam x 5/16 in.	0.30	0.111
1-1/2	SP 10 in. diam x 5/16 in.	0.30	0.130
1-1/2	ST 12 x 12 x 1/2 in.	0.47	0.095
2	SP 8 in. diam x 1/2 in.	0.47	0.191
2	ST 8 x 8 x 1/2 in.	0.47	0.186

A/D FIRE PROTECTION SYSTEMS INC — Types "A/D FIREFILM II"or "A/D FIREFILM III" or "A/D FIREFILM III C" investigated for Interior Conditioned Space Purpose and Interior General Purpose.

3. **Top Coat —** (Not shown) — For Interior General Purpose, Type "A/D COLORCOAT", silicone alkyd paint applied at an approximate 0.002 in. dry film thickness. For Interior Conditioned Space Purpose and Interior General Purpose, Type "A/D COLORCOAT" or "Carbocoat 30R", silicone alkyd paint or acrylic paint, Type "Carbocrylic 3350" or Type "Sanitile 155". Top coat applied at an approximate 0.002 in. dry film thickness.

*Bearing the UL Classification Mark

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Restrained Assembly Rating — 3/4, 1, 1-1/2 or 2 Hr.

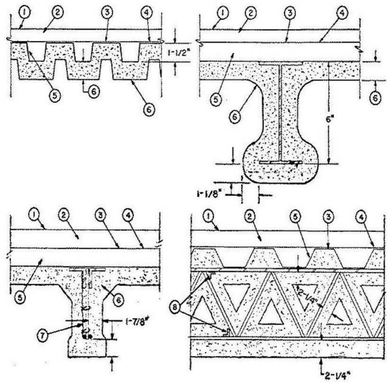
(See Item 6)

Unrestrained Assembly Rating — 3/4, 1, 1-1/2 or 2 Hr.

(See Item 6)

Unrestrained Beam Rating — 1, 1-1/2 or 2 Hr.

(See Item 6)



Beam — W6x16, min size or **Steel Joist** — 12J4, 14J7 or 14K4 min sizes (See Item 6). As alternate to steel beam or steel joists, Joist girders (Not shown)-20 in. min depth and 13 lb/lin ft min weight. As an alternate to steel beam or steel joists, any LH-Series joist may be used.

1. **Roof Covering* —** Consisting of hot mopped or cold application materials compatible with insulation(s) described herein which provide Class A, B or C coverings. See Roofing Materials and Systems Directory-Roof Covering Materials (TEVT).
1A. **In lieu of Item 1, roof covering consisting of single-ply Roofing Membrane* —** that is either ballasted, adhered or mechanically attached as permitted under the respective manufacturer's Classification. See Fire Resistance Directory-Roofing Membranes (CHCI).
1B. **Metal Roof Deck Panels (Not shown) —** In addition to or in lieu of Items 1 or 1A, the roof covering may consist of a mechanically fastened metal roof deck panel assembly. See Fire Resistance Directory-Metal Roof Deck Panels (CETW).
2. **Roof Insulation —**
A) **Mineral and Fiber Boards* —** To be applied in one or more layers with or without adhesive applied between vapor barrier and roof deck units, vapor barrier and board, and each layer of board. When more than one layer is required, each layer of board to be offset in both directions from layer below a min of 6 in. in order to lap all joints. Min thickness is 2 in. when Item 1A or 1B is used. Min thickness is 1 in. otherwise.

BMCA INSULATION PRODUCTS INC — Permalite.

GAF MATERIALS CORP — GAFTEMP Perlite.

JOHNS MANVILLE

ROXUL INC — TopRock®MD, MonoBoard™, TopRock®MD Plus, MonoBoard™ Plus, TopRock®DD and TopRock®DD Plus.

SOPREMA INC — SopraRock®MD, SopraRock®MD Plus, SopraRock®DD and SopraRock®DD Plus.

B) Or, 5/8 in. **Gypsum Board** (Classified or Unclassified), supplied in 4 ft wide sheets. Installed perpendicular to steel roof deck with end joints staggered a min of 1 ft in adjacent rows and occurring over crests of steel roof deck. May be secured to crests of steel roof deck with **Adhesive*** applied at a rate of 0.4 gal per 100 sq ft.

See **Gypsum Board** (CKNX) category for names of manufacturers.

See **Adhesives** (BYWR) category for names of manufacturers.

a). And, **Foamed Plastic*,** min 1 in. thick, max 2.5 pcf, polystyrene foamed plastic insulation boards secured with asphalt glaze coat, or laid loosely on gypsum wallboard. No max overall thickness. **Note:** Adhesives and/or asphalt glaze coat may be omitted when Item 1 is used. See **Foamed Plastic*** (BRYX) category in Building Materials Directory or **Foamed Plastic*** (CCVW) category in Fire Resistance Directory for list of manufacturers.
b). Or, **Foamed Plastic*,** min. 1 in. thick, may be laid loosely over roof covering or bonded to the single-ply membrane with adhesive or laid into the asphalt glaze coat. When applied in more than one layer, successive layers shall be installed over preceding layer without attachment. Covered with stone or masonry ballast a min. rate of 10 psf.

OWENS CORNING SPECIALTY & FOAM PRODUCTS

c). Or, **Building Units*** — Applied in one or more layers with or without adhesive. When more than one layer is required, the joints of each layer shall be staggered 6 in. (min). Min thickness is 2 in. when Item 1A is used. Min thickness 1-1/2 in. otherwise. Max thickness is 3-1/2 in.

PITTSBURGH CORNING CORP

THE DOW CHEMICAL CO — Type RM.

d). Or **Foamed Plastic*,** polyisocyanurate foamed plastic insulation boards, nominal 48 by 48 in, applied in one or more layers over the gypsum wallboard. Min thickness is 1.3 in. with no max overall thickness. When applied in more than one layer, each layer to be offset in both directions from layer below a min of 6 in. in order to lap all joints. Adhesive (Item 3 or 3A) may be applied between layers of insulation and to vapor retarder (or gypsum wallboard if vapor retarder is not used).

ATLAS ROOFING CORP — ACFoam II, ACFoam III, ACFoam IV.

CARLISLE SYNTEC INCORPORATED — Types HP, HP-H, HP-N, HP-W.

DYPLAST PRODUCTS L L C

FIRESTONE BUILDING PRODUCTS CO L L C — "ISO 95+ GL", "ISO 95+ FK", "ISO 95+ GW", "ISO 300", "ISO 95+ CAN" or "RISISTA".

GAF MATERIALS CORP — Isotherm R.

HUNTER PANELS — H Shield.

JOHNS MANVILLE — ENRGY 3, ISO-1, PSI 25.

LOADMASTER SYSTEMS INC — Loadmaster Polyisocyanurate Insulation.

RMAX OPERATING L L C — Multi-Max-3, Multi-Max FA-3, Ultra-Max, Tapered Thermaroof-3, Tapered Thermaroof FA-3, Tapered Ultra-Max.

DOW ROOFING SYSTEMS L L C — "Dow Termico Polyisocyanurate Insulation", "Dow Termico ISO 3000 Insulation", "Dow Termico ISO HP-FR* .

GENFLEX ROOFING SYSTEMS L L C — "GenFlex ISO"

e). Or **Building Units***, Polyisocyanurate foamed plastic insulation boards faced on underside (or both sides) with mineral fiber board. Min thickness of the polyisocyanurate core is 1.3 in. No limit on max overall thickness. Boards

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to be installed with end joints staggered a min of 6 in. in adjacent rows. Adhesive (Item 3) may be applied between the building units and the vapor retarder (or gypsum wallboard if vapor retarder is not used).

FIRESTONE BUILDING PRODUCTS CO L L C — "ISO 95+ Composite" .

JOHNS MANVILLE — Fesco-Foam.

f). Or **Building Units*** — Polyisocyanurate foamed plastic insulation boards, nom. 48 by 48 or 96 in., faced on the top surface with oriented strand board or plywood. Min. thickness of the polyisocyanurate core is 1.3 in. No limit on max overall thickness. Boards to be installed with end joints staggered a min. of 6 in. in adjacent rows. Adhesive (Item 3) may be applied between the building units and the vapor retarder (or gypsum wallboard if vapor retarder is not used).

ATLAS ROOFING CORP — ACFoam NailBase Insulation, Vented-R.

FIRESTONE BUILDING PRODUCTS CO L L C — Hailgard.

JOHNS MANVILLE — Type Nailboard.

g). or **Building Units***— Polyisocyanurate foamed plastic insulation boards faced on the underside with wood fiber board. Min thickness of the polyisocyanurate core is 1.3 in. No limit on max overall thickness. Boards to be installed with end joints staggered a min of 6 in. in adjacent rows.

FIRESTONE BUILDING PRODUCTS CO L L C — "ISO 95 Wood Fiberboard Composite*.

JOHNS MANVILLE — *ENRGY-2 Plus.

h). or **Building Units*** — Not Shown — Composite polyisocyanurate foamed plastic insulation board with an adhered nailing surface, nom 48 by 48 or 96 in. may be used with the following limitations. These composite building units have ventilation slots internal to the panels. The building units are applied over gypsum wallboard. The thickness of the panel depends upon the thinnest portion of the polyisocyanurate insulation. The following dimensions apply to the polyisocyanurate insulation, min 1.3 in. thick. There is no limit on the max insulation thickness.

GAF MATERIALS CORP — Type INSUL-AIR.

JOHNS MANVILLE — Type ISO-VENT.

i). or **Building Units*** — Polyisocyanurate foamed plastic insulation boards, nom 48 by 48 or 96 in., faced on the top surface with gypsum board. Min thickness of the polyisocyanurate core is 1.3 in. No limit on overall thickness. Boards to be installed with end joints staggered a min of 6 in. in adjacent rows.

JOHNS MANVILLE — ENRGY 2 Gypsum Composite.

j. **Or Mineral and Fiber Boards* —** (Not Shown - Optional) — Applied in one or more layers over Foamed Plastic (item d.) or Building Units* (Items 2B. e, f, g, h, i). 1/2 in. minimum thickness.

JOHNS MANVILLE Fesco Board, RetroFit Board, DuraBoard

k. **or Roof Insulation - Foamed Plastic* —** Not Shown - Optional, 1/4 in. thick. Placed over minimum 1-1/2 in. thick polyisocyanurate Foamed Plastic (Item 2. d) may be applied with adhesive (Item 3). Boards to be installed with end joints to be offset in both directions from layer below a min of 6 in. in order to lap all joints.

JOHNS MANVILLE Invinsa Roof Board

2A. **Foamed Plastic* —** Optional - (Not Shown) - Maximum 1 in. thick polyisocyanurate foamed plastic insulation boards, nom 48 by 48 or 96 in. Boards may be applied as the top layer in addition to the specified minimum thickness of any roofing system described herein, as long as the roofing system states that there is no limit on maximum thickness. Joints offset in both directions from layer below.

FIRESTONE BUILDING PRODUCTS CO L L C — "ISOGARD HD*

3. **Adhesive* —** Optional — May be used with board insulation. Applied in 1/2 in. wide ribbons, approx 6 in. OC at 0.4 gal/100 sq ft
3A. **Adhesive* -(Optional) —** (Bearing the UL Classification Marking for Roof Systems (TGFU)) - The vapor retarder, the gypsum wallboard or the first layer of roof insulation may be secured with adhesive to the steel crest surfaces. Also used to attach the vapor retarder to gypsum wallboard, the first layer of insulation to vapor retarder or gypsum wallboard and each additional layer of insulation. Applied at a max rate of 19.8 g/ft^2. When FAST 100 adhesive is used, additional **Spray-Applied Fire Resistance Materials* (CHPX)** is required on the deck for the 1-1/2 and 2 hr Unrestrained Assembly Ratings. The thickness specified for the deck shall be increased by 1/16 in. for 1-1/2 hr Unrestrained Assembly Rating and 1/4 in. for 2 hr Unrestrained Assembly Rating.

CARLISLE SYNTEC INCORPORATED — FAST 100

4. **Sheathing Material* —** Optional. Vinyl film or paper scrim vapor barrier applied with adhesive or laid loosely on the steel roof deck, overlapped approx 2 in. at sides.
4A. **Sheathing Material* —** (Optional) — A self-adhered rubberized asphalt roofing underlayment membrane which may be placed on top of the gypsum wallboard (Item 2B) or on roof insulation (Item 2 or any nonpolystyrene foamed plastic insulation covered as an alternate to Item 2).

W R GRACE & CO - CONN — Grace Ice and Water Shield, Grace Ice and Water Shield-HT®, Grace Select, Grace Ultra, and Grace Basik.

5. **Steel Roof Deck —** (Unclassified) — Min 1-1/2 in. deep, 18 in. wide, galv, fluted steel deck. Flutes 6 in. OC, crest width ranging from 3-1/2 to 5 in. Min gauge is 22 MSG. Ends overlapped at supports min 1-1/2 in. and welded to supports approx 9 in. OC. Adjacent units button-punched or welded together 36 in. OC along side joints; or,

Classified Steel Floor and Form Units* — 1-1/2 or 3 in. deep 24, 30 or 36 in. wide, galv steel units. Min gauge is 22 MSG. Spacing of welds attaching units to supports shall not exceed 12 in. OC. Adjacent units button-punched or welded together 36 in. OC along side joints.

ASC STEEL DECK, DIV OF ASC PROFILES

INC — 24 through 36 in. wide, Types DGB Hi-Form, B Hi-Form, DGB, B, DGN Hi-Form, N Hi-Form, DGN, and N. All units may be galvanized or Prime Shield™.

CANAM STEEL CORP — 36 in. wide Type P-3606 and P-3615 noncomposite; 24 in. wide Type P-2436, P-2404, P-2403, and P-2438 noncomposite.

CONSOLIDATED SYSTEMS INC — 24 or 30 in. wide Type A; 30 or 36 in. wide Types B, BI, F; 24 in. wide Types N, NI. Units may be ptd/ptd.

DECK WEST INC — 36 in. wide Types B-DW, BA-DW; 24 in. wide Type NDW.

LOADMASTER SYSTEMS INC — Types PS and SS-300. Type PS may be ptd/ptd.

MARLYN STEEL DECKS INC — Types B, F, N, NV

NEW MILLENNIUM BUILDING SYSTEMS L L C — 30 in. or 36 in. wide Type B; 24 in. wide Type N. For 1 and 1-1/2 h Assembly and Beam Ratings only, units may be phos/painted or galvanized.

ROOF DECK INC — Types A, B-1, B-2 or F.

CANAM STEEL CORP — Types B, BI, F, NS and NI. Units may be ptd/ptd.

VERCO DECKING INC - A NUCOR CO — Types PLB, B, PLN or N Formlok. Units may be phos./ptd. Types PLB, HSB, PLN or N Formlock. Units may be ptd/ptd.

VULCRAFT, DIV OF NUCOR CORP — 24, 30 or 36 in. wide Types 1.5A, 1.5B, 1.5BI, 1.5F; 24 in. wide Types 3N, 3NI. For 1 and 1-1/2 h Assembly and Beam Ratings only, the Types 1.5A, 1.5B, 1.5BI, 1.5F, 3N, 3NI units may be ptd/ptd.

WHEELING-PITTSBURGH STEEL CORP, DIV

OF WHEELING CORRUGATING CO — Types A, BW, F, High Strength B, High Strength BW or N. Types BW, F, High Strength B, High Strength BW units may be ptd/ptd.

6. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in more than one coat to a final thickness as shown on the above illustration and in the table below, to steel surfaces which must be clean and free of dirt, loose scale and

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Design No. P701

oil. Min avg and min ind density of 15/14 pcf respectively. Min avg and min ind density of 19/18 pcf respectively for Type 7GP and 7HD. For method of density determination, refer to Design Information Section.

Note: When metal lath is used on joist, full thickness Spray-Applied Fire Resistive Materials is to be applied over the entire joist, including the lath. For method of density determination, refer to Design Information Section.

			Spray Applied Fire					
					12J4, 14K4 or LH Joist		Resistive Mtl Thk In. 14J7 Joist	
Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Deck	Beam	w/ Lath	No. Lath	w/ Lath	No. Lath
1	3/4	1	7/8	7/8	—	—	1-1/2	1-1/2
1	1	1	1-1/4	1-1/8	1-3/4	1-7/8	1-1/2	1-1/2

When metal lath is required, as indicated below, full thickness Spray-Applied Fire Resistive Materials is to be applied over the entire support including the lath.

			Spray Applied Fire Resistive Mtl Thk In					
					12J4 or 14K4 Joist		14J7 Joist	
Restrained Assembly Rating Hr	Un restrained Assembly Rating Hr	Un restrained Beam Rating Hr	Deck#	Beam	w/ Lath	No. Lath	w/ Lath	No. Lath
1-1/2	1-1/2	1-1/2	1-5/8	1-3/8	1-3/4	2-1/8	—	—
2	2	2	2-1/4	1-1/2	1-7/8	2-3/8	—	—

#The required minimum thickness of Spray-Applied Fire Resistive Materials on the steel deck is increased by 1/16 in. for 1-1/2 hr Unrestrained Assembly Rating and 1/4 in. for 2 hr Unrestrained Assembly Rating when Item 3A is used.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thk In. Joist Girder	
			w/Lath	No. Lath
1	3/4	1	1-1/2	1-1/2
1	1	1	1-1/2	1-1/2
1-1/2	1-1/2	1-1/2	1-3/4	2-1/4
2	2	2	1-7/8	2-3/8

ARABIAN VERMICULITE INDUSTRIES — Model MK-5.

W R GRACE & CO - CONN — Types MK-4, MK-5, MK-6/HY, MK-6s, RG, Monokote Acoustic 1.

GRACE KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Monokote Acoustic 1.

PYROK INC — Type LD.

SOUTHWEST FIREPROOFING PRODUCTS CO — Types 4, 5, 5EF, 5GP, 5MD, 7GP, 7HD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.

6A. **Alternate Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in more than one coat to a final thickness as shown on the above illustration and in the table below, to steel surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min ind density of 22/19 pcf respectively. For method of density determination, refer to Design Information Section, Sprayed Materials.

			Spray Applied Fire Resistive Mtl Thk In.					
					12J4, 14K4 or LH Joist		14J7 Joist	
Restrained Assembly Rating Hr	Un restrained Assembly Rating Hr	Un restrained Beam Rating Hr	Deck**#	Beam	w/ Lath	No. Lath	w/ Lath	No. Lath
1	3/4	1	7/8	7/8	1-3/4	1-7/8	1-1/2	1-1/2
1	1	1	1-1/4	1-1/8	1-3/4	1-7/8	1-1/2	1-1/2
1-1/2	1-1/2	1-1/2+	1-5/8	1-3/8	1-3/4	2-1/8	—	—
2	2	2	1-7/8*	1-5/8	1-7/8	2-3/8	—	—
2	2	2	2-1/4	1-5/8	1-7/8	2-3/8	—	—

*Requires the use of 5/8 in. gypsum wallboard (Item 2B).

**Galvanized steel roof units only.

#The required minimum thickness of Spray-Applied Fire Resistive Materials on the steel deck is increased by 1/16 in. for 1-1/2 hr Unrestrained Assembly Rating and 1/4 in. for 2 hr Unrestrained Assembly Rating when Item 3A is used.

W R GRACE & CO - CONN — Types Monokote Acoustic 5, Z-106, Z-106/G, Z-105/HY.

GRACE KOREA INC — Types Monokote Acoustic 5, Z-106, Z-106/G, Z-106/HY.

7. **Metal Lath —** Where required — The diamond mesh, 3/8 in. expanded steel lath, 1.7 to 3.4 lb/sq yd is secured to one side of each steel joist with No. 18 SWG galv steel wire at joist web and bottom chord members, spaced 15 in. OC max. Where not required, the optional use of metal lath described, fastened as above, may be used to facilitate the spray application of spray-applied resistive material on steel bar joists and trusses. In this application, the metal lath is to be fully covered with spray-applied resistive material with no minimum thickness required.

7A. **Nonmetallic fabric mesh —** (Optional, not shown) — As an alternate to the optional use of metal lath, glass fiber fabric mesh, weighing approximately 2.5 oz/sq yd, polypropylene fabric mesh, weighing approximately 1.25 oz/sq yd or equivalent, may be used to facilitate the spray application. The mesh is secured to one side of each joist web member. The method of attaching the mesh must be sufficient to hold the mesh and the spray-applied spray-applied resistive material in place during application until it has cured. An acceptable method to attach the mesh is by embedding the mesh in minimum 1/4 in. long beads of hot melted glue. The beads of glue shall be spaced a maximum of 12 in. OC along the top chord of the bar joist. Another method to secure the mesh is by 1-1/4 in. long by 1/2 in. wide hairpin clips formed from No. 18 SWG or heavier steel wire.

8. **Bridging —** In accordance with Specifications adopted by the Steel Joist Institute and revised to November 15, 1989. Continuous steel angles, min. size 1-1/4 by 1-1/4 by 1/8 in. welded to top and bottom chords. Bridging coated with 2-1/4 in. thickness of Spray-Applied Fire Resistive Materials for the 1 or 1-1/2 h Assembly and Beam Ratings and 2-7/16 in. for the 2 h Assembly and Beam Ratings.

9. **Metal Lath —** (Not Shown) — Where Type 7HD is applied to steel deck, 3/8 in. metal ribbed lath weighing 3.4 lb/yd^2 shall be secured to the underside of the steel deck (ribs upward) with S-12 by 3/8 in. long pan head, self-tapping steel screws spaced 12 in. OC in all directions. Steel screws shall be fitted with 1/2 in. diameter steel washers. Adjacent pieces of lath shall be overlapped 1 in. min.

*Bearing the UL Classification Mark

Last Updated on 2010-09-21

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VCBO ARCHITECTURE
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Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS
DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

UL RATED COLUMN AND BEAM ASSEMBLIES

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Sheet Number

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SYSTEM NO. F-A-8020

Through-penetration Firestop Systems

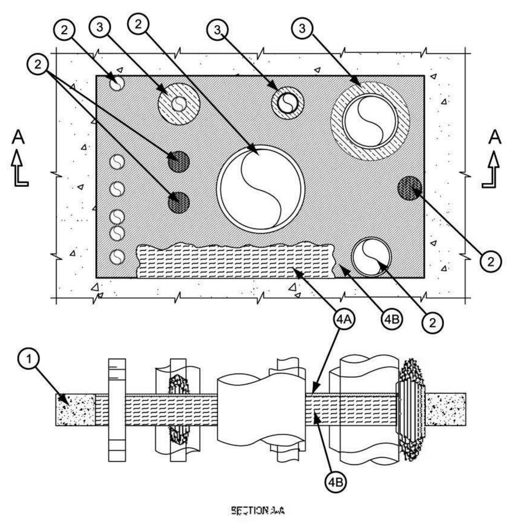
See General Information for Through-penetration Firestop Systems

System No. F-A-8012

June 29, 2004

F Rating — 2 Hr

T Rating — 0 Hr



1. **Floor Assembly —** Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m^3) concrete. Max size of opening is 1440 in.2 (9,290 cm^2) with a max dimension of 48 in. (1219 mm).

2. **Through-Penetrants —** One or more pipes, tubes or cable bundles to be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces are maintained. The annular space between cable bundles and other penetrants shall be a min 6 in. (152 mm). The annular space between metallic pipes, conduit and tubes and insulated pipes and tubes shall be a min 2 in. (51 mm). The annular space between nom 2 in. (51 mm) diam (and smaller) metallic pipes, conduit and tubes shall be a min 0 in. (0 mm). The annular space between insulated penetrants and the periphery of opening shall be a min 1/2 in. (13 mm). The annular space between all other penetrants and the periphery of opening shall be a min 0 in. (0 mm) (point contact). A max annular space in the system shall be 12 in. (305 mm). Penetrants to be rigidly supported on both sides of floor assembly. The following types and sizes of penetrants may be used.

A. **Metallic Penetrants —** The following types of metallic pipes, tubes or conduits may be used:

1. **Copper Tubing —** Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tube.

2. **Copper Pipe —** Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. **Steel Pipe —** Nom 24 in. (610 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.

4. **Iron Pipe —** Nom 24 in. (610 mm) diam (or smaller) cast or ductile iron pipe.

5. **Conduit —** Nom 4 in. (102 mm) diam (or smaller) steel electric metallic tubing (EMT) or nom 6 in. (152 mm) diam (or smaller) rigid steel conduit.

B. **Cables Bundles —** Max 4 in. (102 mm) diam tightly bundled cables. Any combination of the following types and sizes of cables may be used:

1. Max 500 kcmil single copper or aluminum conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket.

2. Max 300 pair No. 24 AWG copper conductor telecommunication cables with PVC insulation and jacket material.

3. Max 7/C copper conductor No. 12 AWG multi-conductor power and control cables with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.

4. Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in.

5. Max 3/C No. 12 AWG steel clad cable with copper conductors and PVC insulation material.

C. **Individual Cables —** Any of the following types and sizes of individual (non-bundled) cables may be used:

1. Max 3/C No. 2/0 AWG (or smaller) copper conductor PVC jacketed aluminum clad or steel clad TECK 90 cable.

2. **Through Penetrating Product* —** Any cables, **Armored Cable+** or **Metal Clad Cable+** currently Classified under the **Through Penetrating Product** category.

See **Through Penetrating Product** (XHLY) category in the Fire Resistance Directory for names of manufacturers.

3. Max 500 kcmil single copper or aluminum conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket.

4. Max 300 pair No. 24 AWG copper conductor telecommunication cables with PVC insulation and jacket material.

5. Max 7/C copper conductor No. 12 AWG multi-conductor power and control cables with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.

6. Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in.

7. Max 3/C No. 12 AWG steel clad cable with copper conductors and PVC insulation material.

8. Max 4C/750 kcmil (or smaller) aluminum or copper conductor metal clad cable with aluminum or steel armor, with or without PVC jacket.

3. **Pipe Insulation —** (Optional) - Pipes and tubes of the sizes noted below may be provided with one of the following types of pipe insulations:

A. **Pipe Covering* —** Nom 1-1/2 in. (38 mm) thick (or thinner) hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket for pipes with a nom diam of 8 in. (203 mm) (or smaller) or tubes with a nom diam of 4 in. (102 mm) (or smaller). Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.

See **Pipe and Equipment Covering - Materials** (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classifica tion Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

B. **Tube Insulation-Plastics+ —** Nom 1 in. (25 mm) thick (or thinner) acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing for pipes or tubes with a nom diam of 2 in. (51 mm) (or smaller).

See **Plastics** (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

4. **Firestop System —** The firestop system shall consist of the following:

A. **Packing Material —** Min 4 in. (102 mm) thickness of 4 pcf (64 kg/m^3) mineral wool batt insulation tightly packed into the opening as a permanent form. Packing material to be recessed from top surface of floor to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material - Sealant* —** Min 1/2 in. (13 mm) thickness of fill material applied within the annulus flush with the top surface of the floor.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — CP604 Sealant

*Bearing the UL Classification Mark

Last Updated on 2004-06-29

SYSTEM NO. W-L-8065

Through-penetration Firestop Systems

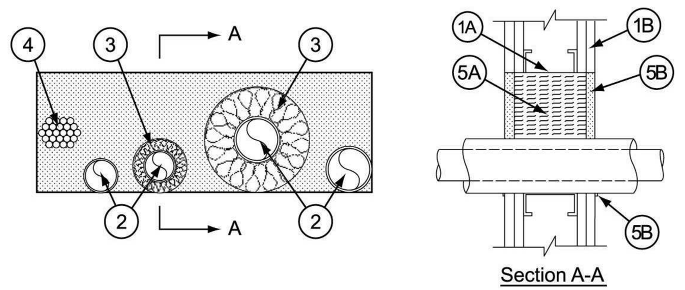
See General Information for Through-penetration Firestop Systems

System No. W-L-8065

October 08, 2007

F Ratings — 1 and 2 Hr (See Item 1)

T Rating — 0 Hr



1. **Wall Assembly —** The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs —** Wall framing may consist of either wood studs or channel shaped steel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. Additional framing members shall be installed in stud cavity containing through-penetrating item to form a rectangular box around the penetrants.

B. **Gypsum Board* —** 5/8 in. (16 mm) thick with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Wall and Partition Design. If the through penetrants are installed in a wood stud/gypsum board assembly, the max area of opening is 116 in.2 (748 cm^2). with max dimension of 14-1/2 in. (368 mm). If the through penetrants are installed in a steel stud/gypsum board assembly, max area of opening is 182 in2. (1174 cm^2) with max dimension of 22-3/4 in. (578 mm) wide.

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. **Through-Penetrant —** One or more pipes, conduit or tubes to be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and the types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces and the spacing between the through penetrants are maintained. The separation between the penetrants shall be min 1 in. (25 mm) to max 22 in. (560 mm). The annular space between penetrants and the periphery of opening shall be min 0 in. (0 mm, point contact) to max 22 in. (560 mm). Pipes, conduit or tubes to be rigidly supported on both sides of wall assembly. The following types and sizes of pipes, conduit or tubes may be used.

A. **Copper Tubing —** Nom 3 in. (76 mm) diam (or smaller) Type L (or heavier) copper tube.

B. **Copper Pipe —** Nom 3 in. (76 mm) diam (or smaller) Regular (or heavier) copper pipe.

C. **Steel Pipe —** Nom 3 in. (76 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

D. **Iron Pipe —** Nom 3 in. (76 mm) diam (or smaller) cast or ductile iron pipe.

E. **Conduit —** Nom 3 in. (76 mm) diam (or smaller) electric metallic tubing (EMT) or rigid steel conduit.

F. **Polyvinyl Chloride (PVC) Pipe —** Nom 2 in. (51 mm) diam (or smaller) Schedule 40 cellular or solid core PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.

G. **Chlorinated Polyvinyl Chloride (CPVC) Pipe —** Nom 2 in. (51 mm) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems.

H. **Rigid Nonmetallic Conduit (RNC)+ —** Nom 2 in. (51 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with Articles 347 and 710 of the National Electrical Code (NFPA No. 70).

I. **Cross Linked Polyethylene Tubing —** Nom 1 in. (25 mm) diam (or smaller) cross-linked polyethylene tubing for use in closed (process or supply) piping systems.

3. **Pipe Insulation —** One or more metallic penetrants (pipe or tubing) may be insulated with the following types of pipe coverings:

A. **Pipe Covering* —** Min 1 in. (25 mm) to max 2 in. (51 mm) thick hollow cylindrical heavy density min 3.5 pcf (56 kg/m^3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.

See **Pipe and Equipment Covering - Materials** (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

B. **Tube Insulation-Plastics+ —** Min 1/2 in. (13 mm) to max 3/4 in. (19 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing.

See **Plastics**+ (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

C. **Pipe Covering Materials* —** Min 1 in. (25 mm) to max 2 in. (51 mm) thick unfaced mineral fiber pipe insulation having a nom density of 3.5 pcf (56 kg/m^3) or heavier and sized to fit the outside diam of pipe or tube. Pipe insulation secured with min 18 SWG steel wire spaced 12 in. (305 mm) OC.

IIG MINWOOL L L C — High Temperature Pipe Insulation 1200, High Temperature Pipe Insulation BWT and High Temperature Pipe Insulation Thermaloc

C1. **Sheathing Material —** (Not shown) — Optional, used in conjunction with Item 3C. Foil-scrim-kraft or all service jacket material shall be wrapped around the outer circumference of the pipe covering material (Item 3B) with the kraft side exposed. Longitudinal joints sealed with metal fasteners.

See **Sheathing Materials** (BVDV) category in the Building Materials Directory for names of manufacturers. Any sheathing material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread value of 25 or less and a Smoke Developed value of 50 or less may be used.

The annular space between the insulated penetrants and the periphery of the opening shall be min 0 in. (0 mm, point contact) to max 5 in. (127 mm). The separation between the insulated penetrants and the other penetrants shall be a min 1 in. (25 mm) to max 22 in. (560 mm).

4. **Cables —** One max 3 in. (76 mm) diam bundle of cables installed within the opening and rigidly supported on both surfaces of wall. The annular space between the tightly-bundled cables and the periphery of the opening shall be min 0 in. (0 mm, point contact) to max 5 in. (127 mm). The separation between the cable bundle and the other penetrants shall be min 1 in. (25 mm) to max 22 in. (560 mm). Any combination of the following types and sizes of cables may be used:

A. Max 25 pair No. 24 AWG telephone cable with polyvinyl chloride (PVC) insulation and jacket.

B. Max 7/C No. 12 AWG copper conductor power and control cable with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.

C. Multiple fiber optical communication cable jacketed with PVC and having a max outside diam of 1/2 in. (13 mm).

D. Max 3/C No. 8 AWG with bare aluminum ground, PVC insulated steel Metal-Clad+ Cable currently Classified under the **Through Penetrating Product*** (XHLY) category.

E. Max 3/C (with ground) No. 12 AWG (or smaller) nonmetallic sheathed (Romex) cable with PVC insulation and jacket materials.

F. RG/U coaxial cable with polyethylene (PE) insulation and polyvinyl chloride (PVC) jacket having a max outside diam of 1/2 in. (13 mm).

5. **Firestop System —** The firestop system shall consist of the following:

A. **Packing Material —** In 2 hr fire rated wall assemblies, min 4-3/4 in. (121 mm) thickness of min 4 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into opening as a permanent form. In 1 hr fire rated wall assemblies, min 3-1/2 in. (89 mm) thickness of min 4 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material recessed from both surfaces of the wall to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* — Sealant —** Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. At the point contact location between through penetrants and gypsum board, a min 1/4 in. (6 mm) diam bead of fill material shall be applied at the gypsum board/through penetrant interface on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — FS-ONE Sealant

*Bearing the UL Classification Mark

+ Bearing the UL Listing Mark

Bearing the UL Recognized Component Mark

Last Updated on 2007-10-08

SYSTEM NO. W-L-5029

Through-penetration Firestop Systems

See General Information for Through-penetration Firestop Systems

System No. W-L-5029

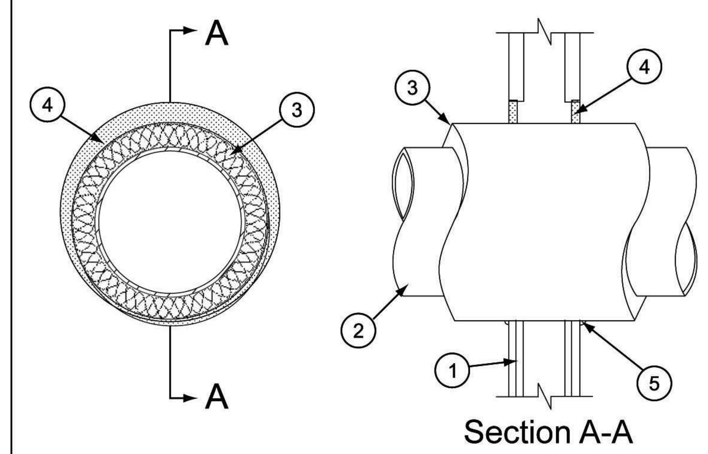
February 08, 2006

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 1/2, 3/4, 1, 1-1/2 and 1-3/4 Hr (See Item 3)

L Rating At Ambient — 4 CFM/Sq Ft

L Rating At 400 F — Less Than 1 CFM/Sq Ft



1. **Wall Assembly —** The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs —** Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.

B. **Gypsum Board* —** 5/8 in. thick, 4 ft wide, with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 18-5/8 in.

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. **Through Penetrants —** One metallic pipe or tubing to be centered within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:

A. **Steel Pipe —** Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe —** Nom 12 in. diam (or smaller) cast or ductile iron pipe.

C. **Copper Tubing —** Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.

D. **Copper Pipe —** Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.

3. **Pipe Covering* —** Nom 1, 1-1/2 or 2 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.

See **Pipe and Equipment Covering — Materials** (BRGU) category in the Building Material Directory for the names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

The hourly T Rating of the firestop system is dependent on the hourly fire rating of the wall assembly in which it is installed, the size and type of through penetrant and the pipe covering thickness, as shown in the table below:

Wall Assembly Rating Hr	Through Penetrant Type +	Through Penetrant Max Diam In.	Pipe Covering Thkns In.	Annular Space Min In.	Annular Space Max In.	T Rating Hr
1	A, B	4	1	0	1-1/2	1/2
1	C or D	2	1 or 1-1/2	0	1-1/2	1/2
1	A, B	4	1-1/2	0	1-1/2	1
1	A, B	12	2	0	1-7/8	3/4
1	C or D	6	2	0	1-7/8	1
2	A, B	4	1	0	1-1/2	1
2	C or D	4	1 or 1-1/2	0	1-1/2	1
2	C or D	6	2	0	1-7/8	1
2	A, B	4	1-1/2	0	1-1/2	1-3/4
2	A, B	12	2	0	1-7/8	1-1/2
2	C or D	6	2	0	1-7/8	1

+Indicates penetrant type as itemized in Item 2.

3A. **Pipe Covering* —** (Not Shown) — As an alternate to Item 3, max 2 in. thick cylindrical calcium silicate (min 14 pcf) units sized to the outside diam of the pipe or tube may be used. Pipe insulation secured with stainless steel bands or min 8 AWG stainless steel wire spaced max 12 in. OC. When the alternate pipe covering is used, the T Rating shall be determined from the table above.

See **Pipe and Equipment Covering — Materials** (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

4. **Fill, Void or Cavity Material* — Sealant —** Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall . At the point contact location between pipe covering and gypsum board, a min 1/2 in. diam bead of fill material shall be applied at the pipe covering/gypsum board interface on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — FS-One Sealant

*Bearing the UL Classification Mark

Last Updated on 2006-02-08

SYSTEM NO. W-L-5240

Through-penetration Firestop Systems

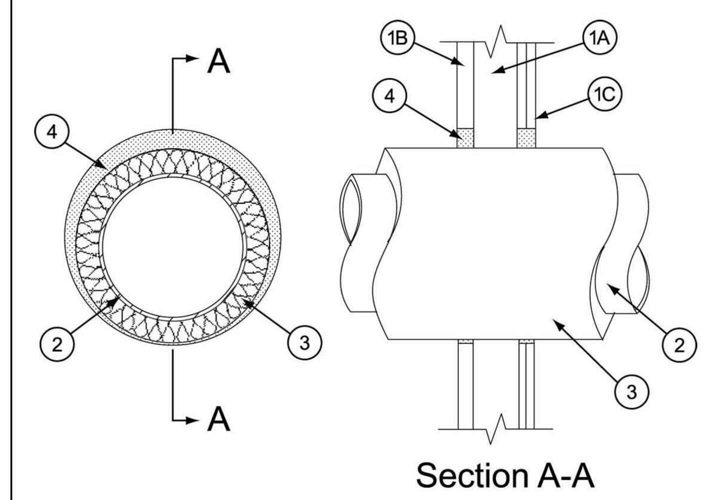
See General Information for Through-penetration Firestop Systems

System No. W-L-5240

February 16, 2005

F Rating — 2 Hr

T Rating — 0 and 1-1/4 Hr (See Item 3)



1. **Wall Assembly —** The 2 hr fire-rated gypsum board/stud shaft wall assembly shall be constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:

A. **Steel Studs —** "C-H" or "C-T" shaped studs, min 2-1/2 in. wide by 1-1/2 in. deep, fabricated from min No. 25 gauge galv steel, spaced max 24 in. OC.

B. **Gypsum Board* —** 1 in. thick, 24 in. wide gypsum liner panels installed vertically. Max diam of circular cutout in gypsum liner panel is 13 in.

C. **Gypsum Board* —** 1/2 in. or 5/8 in. thick, 48 in. wide gypsum boards. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of circular cutout in gypsum board is 13 in.

2. **Through-Penetrants —** One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. **Steel Pipe —** Nom 8 in diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe —** Nom 8 in. diam (or smaller) cast or ductile iron pipe.

C. **Copper Tubing —** Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing.

D. **Copper Pipe —** Nom 4 in. diam (or smaller) regular (or heavier) copper pipe.

3. **Pipe Covering* —** Nom 1 or 1-1/2 in. thick hollow cylindrical heavy density (min. 3.5 pcf) glass fiber units, jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied SSL tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space between the insulated pipe and the periphery of the opening shall be min 1/4 in. to max 1-1/8 in. When 1 in. thick insulation is used, T Rating is 1/2 hr. When 1-1/2 in. insulation is used, T Rating is 1-1/4 hr.

See **Pipe and Equipment Covering — Materials** (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

4. **Fill, Void or Cavity Material* — Sealant —** Min 1 in. thickness of fill material applied within the annulus, flush with each surface of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — FS-One Sealant

*Bearing the UL Classification Mark

Last Updated on 2005-02-16

SYSTEM NO. W-L-1380

Through-penetration Firestop Systems

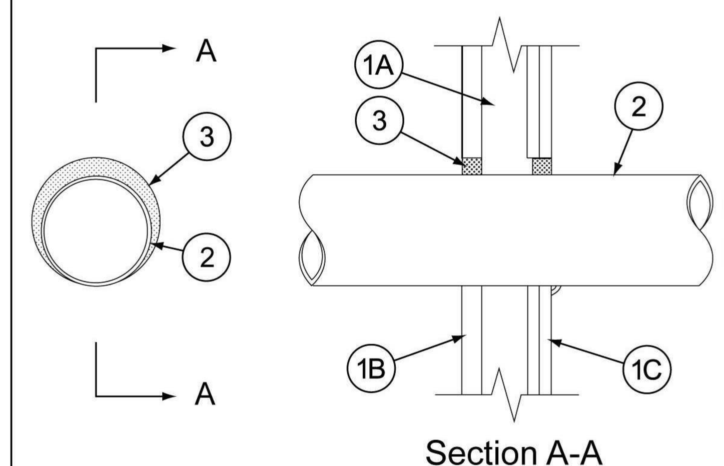
See General Information for Through-penetration Firestop Systems

System No. W-L-1380

October 07, 2005

F Rating — 2 Hr

T Rating — 0 Hr



1. **Wall Assembly —** The 2 hr fire-rated gypsum board/stud shaft wall assembly shall be constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:

A. **Steel Studs —** "C-H" or "C-T" shaped studs, min 2-1/2 in. wide by 1-1/2 in. deep, fabricated from min No. 25 gauge galv steel, spaced max 24 in. OC.

B. **Gypsum Board* —** 1 in. thick, 24 in. wide gypsum liner panels installed vertically. Max diam of circular cutout in gypsum liner panel is 9-1/2 in.

C. **Gypsum Board* —** 1/2 in. or 5/8 in. thick, 48 in. wide gypsum boards. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of circular cutout in gypsum board is 9-1/2 in.

2. **Through-Penetrants —** One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. (point contact) to max 7/8 in. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. **Steel Pipe —** Nom 8 in diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe —** Nom 8 in. diam (or smaller) cast or ductile iron pipe.

C. **Conduit —** Nom 4 in diam (or smaller) steel electrical metallic tubing or 6 in. diam steel conduit.

D. **Copper Tubing —** Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.

E. **Copper Pipe —** Nom 6 in. diam (or smaller) regular (or heavier) copper pipe.

3. **Fill, Void or Cavity Material* - Sealant —** Min 1 in. thickness of fill material applied within the annulus, flush with each surface of wall. A min 1/2 in. diam bead of fill material shall be applied at the point contact location between pipe and wall on the finished side of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — FS-One Sealant

*Bearing the UL Classification Mark

Last Updated on 2005-10-07

SYSTEM NO. C-AJ-4071

Through-penetration Firestop Systems

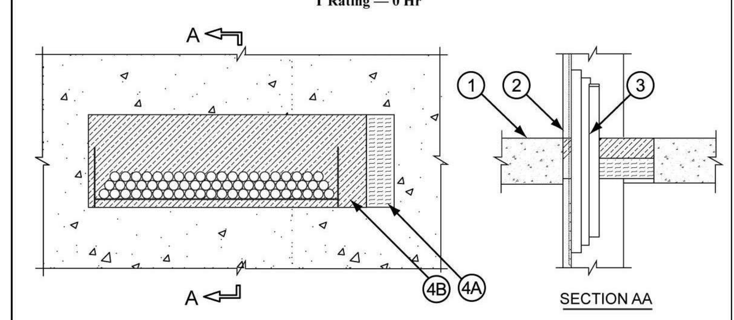
See General Information for Through-penetration Firestop Systems

System No. C-AJ-4071

April 26, 2004

F Rating — 2 Hr

T Rating — 0 Hr



1. **Floor or Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m^3) concrete floor. Min 5 in. (127 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m^3) concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max size of opening is 30 by 9 in. (762 by 229 mm).

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Cable Tray*** — Max 24 in. (610 mm) wide by 6 in. (152 mm) deep open-ladder steel or aluminum cable tray. The annular space between cable tray and periphery of opening shall be min 0 in. (0 mm) (point contact) to max 6 in. (152 mm). Cable tray to be rigidly supported on both sides of floor or wall assembly.

3. **Cables** — Aggregate cross-sectional area of cable tray to be max 67 percent of the cross-sectional area of the cable tray. Any combination of the following types and sizes of cables may be used:

A. Max 300 pair No. 24 AWG telephone cable with polyvinyl chloride (PVC) insulation and jacket.

B. Max 500 kcmil single conductor copper or aluminum power cable with PVC jacket material.

C. Multiple fiber optical communication cable with PVC jacket and having a max OD of 1/2 in. (12 mm).

D. Max 3/C No. 12 AWG copper conductor steel clad cable with PVC insulation.

E. Max 7/C No. 12 AWG copper conductor cable jacket with PVC.

4. **Firestop System** — The firestop system shall consist of the following:

A. **Packing Material** — Min 4 in. (102 mm) thickness of 4 pcf (64 kg/m^3) mineral wool batt insulation tightly packed into the opening as a permanent form. Packing material to be recessed from top surface of floor or both surfaces of wall to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material - Sealant*** — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus flush with the top surface of the floor or both surfaces of the wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — FS-ONE Sealant

*Bearing the UL Classification Mark

Last Updated on 2004-04-26

SYSTEM NO. W-L-4060

Through-penetration Firestop Systems

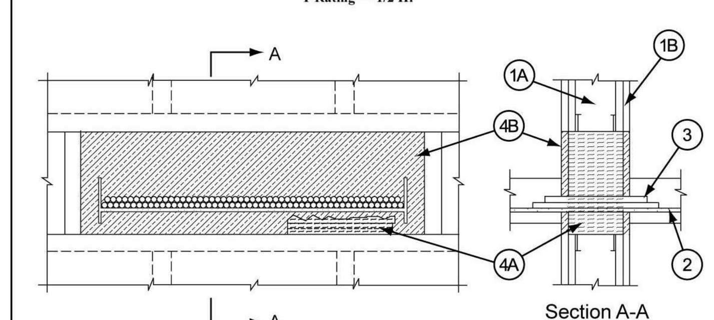
See General Information for Through-penetration Firestop Systems

System No. W-L-4060

October 29, 2004

F Ratings — 1 and 2 Hr (See Item 1)

T Rating — 1/2 Hr



1. **Wall Assembly —** The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs —** Wall framing may consist of either wood studs or channel shaped steel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. Additional framing members shall be installed in stud cavity to form a rectangular box around the penetrants.

B. **Gypsum Board* —** 5/8 in. (16 mm) thick with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Wall and Partition Design. If the cable tray is installed in a wood stud/gypsum board assembly, the max area of opening is 130 in.2 (842 cm^2) with max dimension of 14-1/2 in. (368 mm). If the cable tray is installed in a steel stud/gypsum board assembly, max area of opening is 270 in2. (1742 cm^2) with max dimension of 30 in. (762 mm) wide.

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. **Cable Tray —** For wall assemblies consisting of steel studs, max 24 in. (610 mm) wide by max 6 in. (152 mm) deep open ladder cable tray with channel-shaped side rails formed of min 0.060 in. (1.5 mm) thick galv steel or aluminum with nom 1 in. (25 mm) diam rungs spaced 9 in. (229 mm) OC. For wall assemblies consisting of wood studs, max 12 in. (305 mm) wide by max 6 in. (152 mm) deep open ladder cable tray with channel-shaped side rails formed of min 0.060 in. (1.5 mm) thick galv steel or aluminum with nom 1 in. (25 mm) diam rungs spaced 9 in. (229 mm) OC. The annular space between the cable tray and the periphery of the opening will be min 0 in. (0 mm, point contact) to max 3 in. (76 mm). Cable tray to be rigidly supported on both sides of wall assembly.

3. **Cables —** Aggregate cross-sectional area of cable tray to be max 40 percent of the cross-sectional area of the cable tray based on a max 5 in. (127 mm) loading depth. Any combination of the following types and sizes of cables may be used:

A. Max 300 pair No. 24 AWG telephone cable with polyvinyl chloride (PVC) insulation and jacket.

B. Max 750 kcmil single conductor copper power cable with PVC jacket material.

C. Multiple fiber optical communication cable with PVC jacket and having a max OD of 1/2 in. (12 mm).

D. **Through Penetrating Product* —** Max 3/C No. 12 AWG (or smaller) Metal-Clad Cable+ currently Classified under the Through Penetrating Product category.

See **Through Penetrating Product** (XHLY) category in the Fire Resistance Directory for names of manufacturers.

4. **Firestop System —** The firestop system shall consist of the following:

A. **Packing Material —** In 2 hr fire rated wall assemblies, min 5 in. (127 mm) thickness of min 4 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into opening as a permanent form. In 1 hr fire rated wall assemblies, min 3-3/4 in. (95 mm) thickness of min 4 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material recessed from both surfaces of the wall to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* — Sealant —** Min 1/2 in. (13 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. A min 1/2 in. (13 mm) diam bead of fill material shall be applied at the gypsum board/through penetrant interface at point contact location on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — FS-ONE Sealant

*Bearing the UL Classification Mark

+ Bearing the UL Listing Mark

Last Updated on 2004-10-29

SYSTEM NO. C-AJ-1226

System No. C-AJ-1226

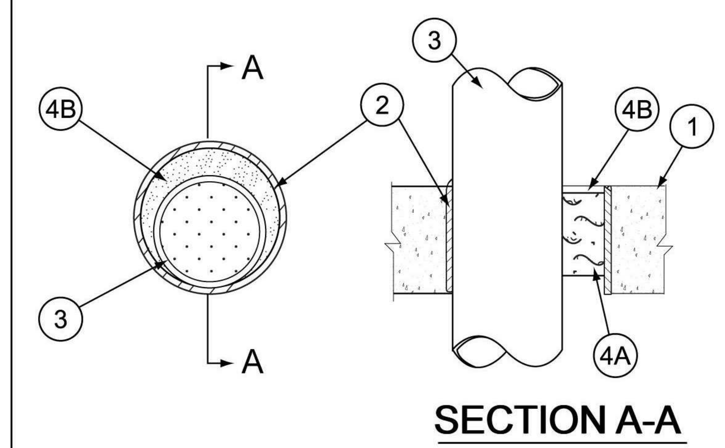
June 27, 2007

F Rating — 3 Hr

T Rating — 0 Hr

L Rating At Ambient — Less Than 1 CFM/Sq Ft

L Rating At 400 F — 4 CFM/Sq Ft



1. **Floor or Wall Assembly** — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 32 in.

2. **Metallic Sleeve** — (Optional) Nom 32 in. diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces or extending a max of 3 in. above floor or beyond both surfaces of wall.

2A. **Sheet Metal Sleeve** — (Optional) Max 6 in. diam, min 26 ga galv steel provided with a 26 ga galv steel square flange spot welded to the sleeve at approx mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. larger than the sleeve diam. The sleeve is to be cast in place and may extend a max of 4 in. below the bottom of the deck and a max of 1 in. above the top surface of the concrete floor.

2B. **Sheet Metal Sleeve** — (Optional) - Max 12 in. diam, min 24 ga galv steel provided with a 24 ga galv steel square flange spot welded to the sleeve at approx mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. larger than the sleeve diam. The sleeve is to be cast in place and may extend a max of 4 in. below the bottom of the deck and a max of 1 in. above the top surface of the concrete floor.

3. **Through-Penetrant** — One metallic pipe, tube or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. Penetrant may be installed with continuous point contact. Penetrant to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic penetrants may be used:

A. **Steel Pipe** — Nom 30 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe** — Nom 30 in. diam (or smaller) cast or ductile iron pipe.

C. **Copper Pipe** — Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.

D. **Copper Tubing** — Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.

E. **Conduit** — Nom 6 in. diam (or smaller) steel conduit.

F. **Conduit** — Nom 4 in. diam (or smaller) steel electrical metallic tubing (EMT).

4. **Firestop System** — The firestop system shall consist of the following:

A. **Packing Material** — Min 4 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or sleeve or from both surfaces of wall or sleeve as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* — Sealant** — Min 1/4 in. thickness of fill material applied within the annulus, flush with top surface of floor or sleeve or with both surfaces of wall or sleeve. At the point or continuous contact locations between penetrant and concrete or sleeve, a min 1/4 in. diam bead of fill material shall be applied at the concrete or sleeve/ pipe penetrant interface on the top surface of floor and on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — FS-One Sealant

*Bearing the UL Classification Mark

Last Updated on 2007-06-27

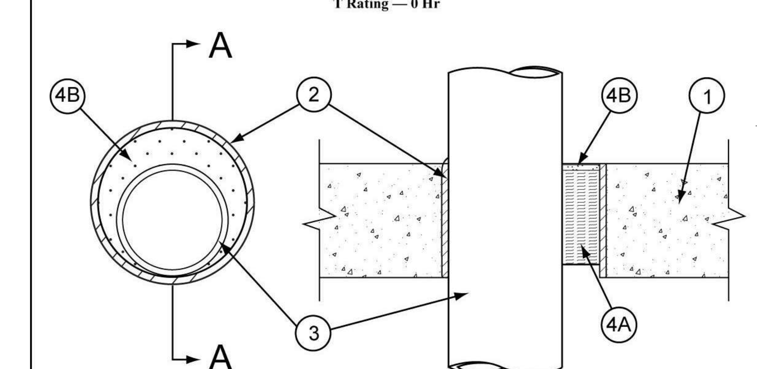
SYSTEM NO. C-AJ-1421

System No. C-AJ-1421

April 26, 2004

F Rating — 2 and 3 Hr (See Item 4B)

T Rating — 0 Hr



1. **Floor or Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m^3) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 6 in. (152 mm).

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Metallic Sleeve** — (Optional) Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces.

3. **Through-Penetrant** — One metallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe, tube or conduit and periphery of opening shall be min 0 in. (0 mm) (point contact) to max 5-3/8 in. (137 mm). Pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or conduits may be used:

A. **Steel Pipe** — Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe** — Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.

C. **Copper Pipe** — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.

D. **Copper Tubing** — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.

E. **Conduit** — Nom 4 in. (102 mm) diam (or smaller) steel conduit.

F. **Conduit** — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT).

4. **Firestop System** — The firestop system shall consist of the following:

A. **Packing Material** — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* - Sealant** — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. For 3 Hr rated assemblies, a min 1/4 in. (6 mm) diam bead of fill material shall be applied at the concrete/pipe interface at the point contact location on the top surface of floor and on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — FS-ONE Sealant or CP604 Self-Leveling Firestop Sealant. CP604 shall be used in floor applications only.

When CP604 is used, F Rating is 2 Hr.

*Bearing the UL Classification Mark

Last Updated on 2004-04-26

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #06297640

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

FIRESTOP SYSTEMS

G203

Sheet Number

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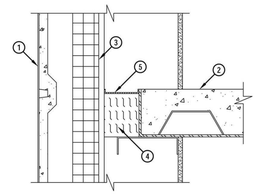
FIRESTOP SYSTEMS

NG

ENGINEERING JUDGMENT FIRESTOP DETAIL

PROJECT : HOLLAND CENTENNIAL COMMONS
ARCHITECT : VCBO ARCH
F-RATING = 2-HR. (SEE NOTE NO. 2 BELOW)

CROSS-SECTIONAL VIEW



1. EXTERIOR GYPSUM WITH STEEL STUDS CURTAIN WALL ASSEMBLY (NON FIRE-RATED).
2. CONCRETE FLOOR OVER METAL DECKING ASSEMBLY (MINIMUM 4-1/2" THICK) (2-HR. FIRE-RATING).
3. MINIMUM 2" THICK FOIL FACED CURTAIN WALL INSULATION (MINERAL WOOL MIN. 8 PCF DENSITY) SECURELY ATTACHED TO FRAMING MEMBERS PER METHODS DESCRIBED IN ANY UL OR INTERTEK APPROVED PERIMETER JOINT SYSTEM. CURTAIN WALL INSULATION TO COMPLETELY FILL PANEL.
4. MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) COMPRESSED 33%, RECESSED MINIMUM 1/2".
5. MINIMUM 1/8" (WET) THICKNESS HILTI CFS-SP WB FIRESTOP JOINT SPRAY OR HILTI CP 672 SPEED SPRAY TO COMPLETELY COVER MINERAL WOOL AND OVERLAPPING MINIMUM 1/2" ONTO CONCRETE FLOOR AND CURTAIN WALL.

NOTES : 1. MAXIMUM WIDTH OF JOINT = 4".
2. FIRE-RATING OF ASSEMBLY IS ONLY AS GOOD AS PERFORMANCE OF CURTAIN WALL ASSEMBLY UNDER FIRE CONDITIONS.

THIS ENGINEERING JUDGMENT REPRESENTS A FIRESTOP SYSTEM THAT WOULD BE EXPECTED TO PASS THE STATED RATINGS IF TESTED.
(REFERENCE : UL SYSTEM NO. C-E J-400 & C-E J-421)

HILTI Hilti Firestop Systems	HILTI, Inc. Tulsa, Oklahoma USA (800) 879-8000	Sheet 1 of 1	Drawing No.
	Designed by	Scale 3/16" = 1"	132727b
		Date Oct. 22, 2010	

Saving Lives through Innovation and Education

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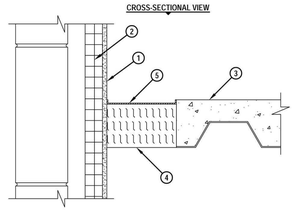
ENGINEERING JUDGMENT FIRESTOP DETAIL

PROJECT : HOLLAND CENTENNIAL COMMONS
ARCHITECT : VCBO ARCH
F-RATING = 2-HR. (SEE NOTE NO. 2 BELOW)

CROSS-SECTIONAL VIEW



1. EXTERIOR GYPSUM WITH STEEL STUDS AND CONCRETE BLOCK CURTAIN WALL ASSEMBLY (NON FIRE-RATED).
2. MINIMUM 2" THICK FOIL FACED CURTAIN WALL INSULATION (MINERAL WOOL MIN. 8 PCF DENSITY) SECURELY ATTACHED TO FRAMING MEMBERS PER METHODS DESCRIBED IN ANY UL OR INTERTEK APPROVED PERIMETER JOINT SYSTEM. CURTAIN WALL INSULATION TO COMPLETELY FILL PANEL.
3. CONCRETE FLOOR OVER METAL DECKING ASSEMBLY (MINIMUM 4-1/2" THICK) (2-HR. FIRE-RATING).
4. MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) COMPRESSED 33%, RECESSED MINIMUM 1/2".
5. MINIMUM 1/8" (WET) THICKNESS HILTI CFS-SP WB FIRESTOP JOINT SPRAY OR HILTI CP 672 SPEED SPRAY TO COMPLETELY COVER MINERAL WOOL AND OVERLAPPING MINIMUM 1/2" ONTO CONCRETE FLOOR AND CURTAIN WALL.

NOTES : 1. MAXIMUM WIDTH OF JOINT = 8".
2. FIRE-RATING OF ASSEMBLY IS ONLY AS GOOD AS PERFORMANCE OF CURTAIN WALL ASSEMBLY UNDER FIRE CONDITIONS.

THIS ENGINEERING JUDGMENT REPRESENTS A FIRESTOP SYSTEM THAT WOULD BE EXPECTED TO PASS THE STATED RATINGS IF TESTED.
(REFERENCE : UL SYSTEM NO. CW-D-1001 & CEJ 421)

HILTI Hilti Firestop Systems	HILTI, Inc. Tulsa, Oklahoma USA (800) 879-8000	Sheet 1 of 1	Drawing No.
	Designed by	Scale 3/16" = 1"	132728c
		Date Oct. 27, 2010	

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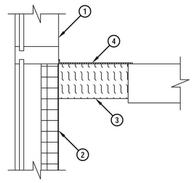
ENGINEERING JUDGMENT FIRESTOP DETAIL

PROJECT : HOLLAND CENTENNIAL COMMONS
ARCHITECT : VCBO ARCH
F-RATING = 2-HR. (SEE NOTE NO. 2 BELOW)

CROSS-SECTIONAL VIEW



1. SPANDREL GLASS AND ALUMINUM MULLION CURTAIN WALL ASSEMBLY (NON FIRE-RATED).
2. MINIMUM 2" THICK FOIL FACED CURTAIN WALL INSULATION (MINERAL WOOL MIN. 8 PCF DENSITY) SECURELY ATTACHED TO FRAMING MEMBERS PER METHODS DESCRIBED IN ANY UL OR INTERTEK APPROVED PERIMETER JOINT SYSTEM. CURTAIN WALL INSULATION TO COMPLETELY FILL SPANDREL AT FLOOR LEVEL AND COVER VERTICAL MULLIONS.
3. MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) COMPRESSED 33%, FLUSH WITH TOP SURFACE OF FLOOR ASSEMBLY.
4. MINIMUM 1/8" (WET) THICKNESS HILTI CFS-SP WB FIRESTOP JOINT SPRAY OR HILTI CP 672 SPEED SPRAY TO COMPLETELY COVER MINERAL WOOL AND OVERLAPPING MINIMUM 1/2" ONTO CONCRETE FLOOR AND CURTAIN WALL.

NOTES : 1. MAXIMUM WIDTH OF JOINT = 8".
2. FIRE-RATING OF ASSEMBLY IS ONLY AS GOOD AS PERFORMANCE OF CURTAIN WALL ASSEMBLY UNDER FIRE CONDITIONS.

THIS ENGINEERING JUDGMENT REPRESENTS A FIRESTOP SYSTEM THAT WOULD BE EXPECTED TO PASS THE STATED RATINGS IF TESTED.
(REFERENCE : UL SYSTEM NO. CEJ 526 & CEJ 309)

HILTI Hilti Firestop Systems	HILTI, Inc. Tulsa, Oklahoma USA (800) 879-8000	Sheet 1 of 1	Drawing No.
	Designed by	Scale 3/16" = 1"	132729b
		Date Oct. 25, 2010	

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #062976 40
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

FIRESTOP SYSTEMS

G204
Sheet Number

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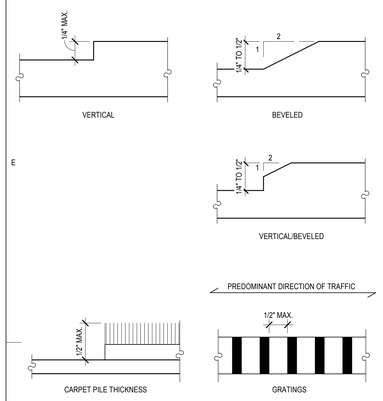
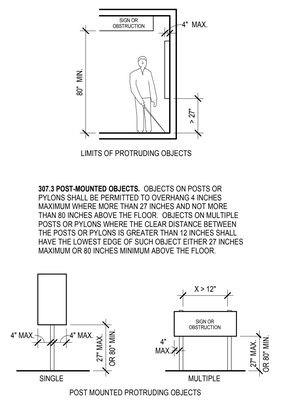
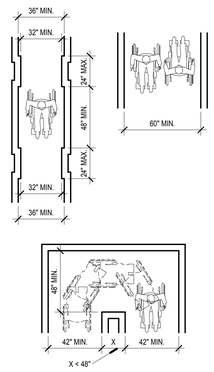


303. CHANGES IN LEVEL

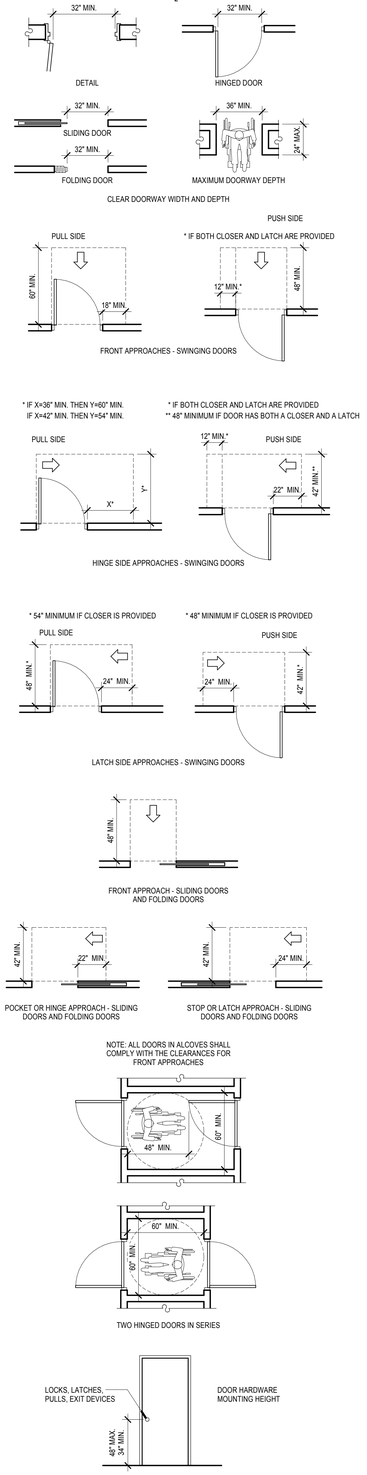


307.3 POST-MOUNTED OBJECTS. OBJECTS ON POSTS OR PYLONS SHALL BE PERMITTED TO OVERHANG 4 INCHES MAXIMUM WHERE MORE THAN 27 INCHES AND NOT MORE THAN 80 INCHES ABOVE THE FLOOR. OBJECTS ON MULTIPLE POSTS OR PYLONS WHERE THE CLEAR DISTANCE BETWEEN THE POSTS OR PYLONS IS GREATER THAN 12 INCHES SHALL HAVE THE LOWEST EDGE OF SUCH OBJECT EITHER 27 INCHES MAXIMUM OR 80 INCHES MINIMUM ABOVE THE FLOOR.

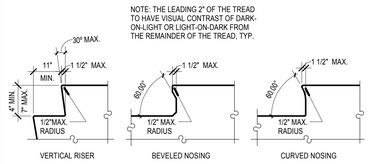
307. PROTRUDING OBJECTS



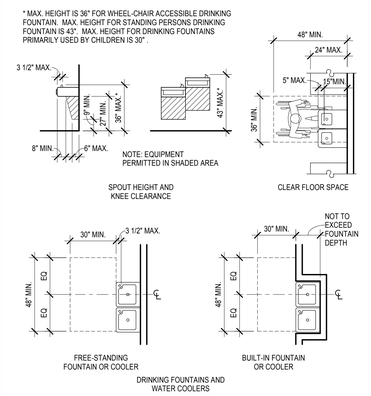
403. ACCESSIBLE ROUTES



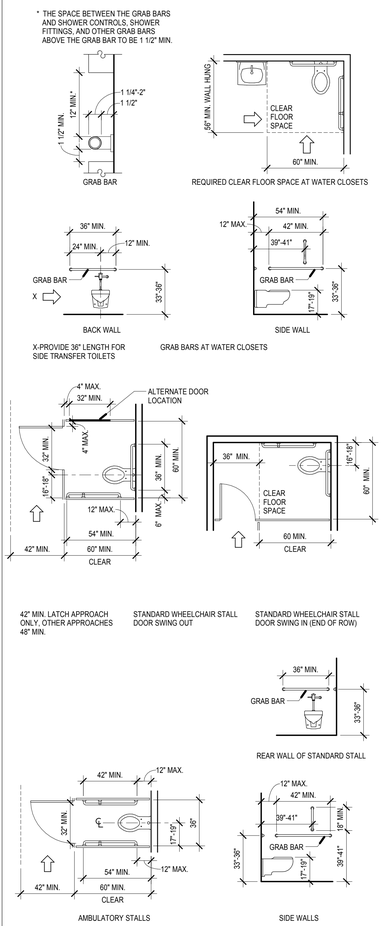
404. DOORS AND DOORWAYS



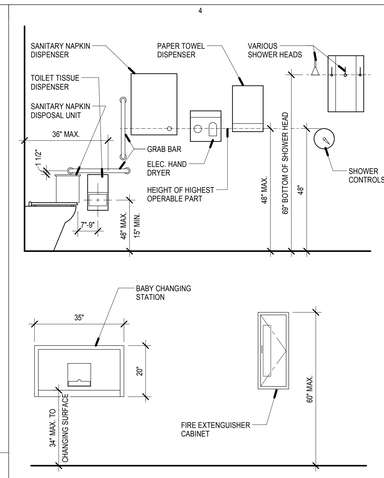
504.5 STAIR NOSINGS



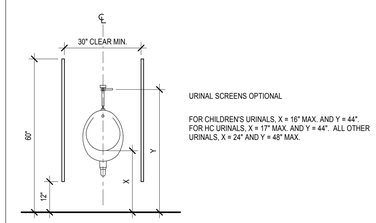
602 DRINKING FOUNTAINS



604 TOILETS AND TOILET COMPARTMENTS



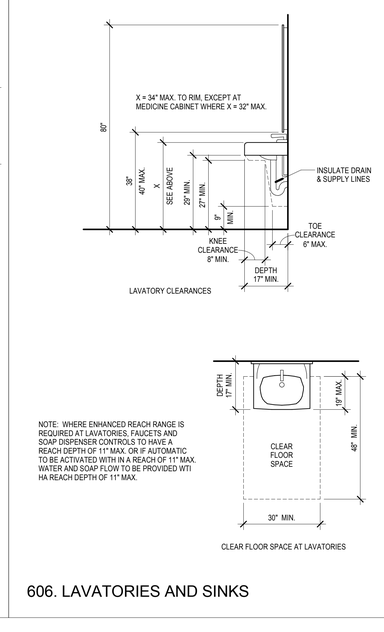
604.7 ACCESSORIES AND EQUIPMENT



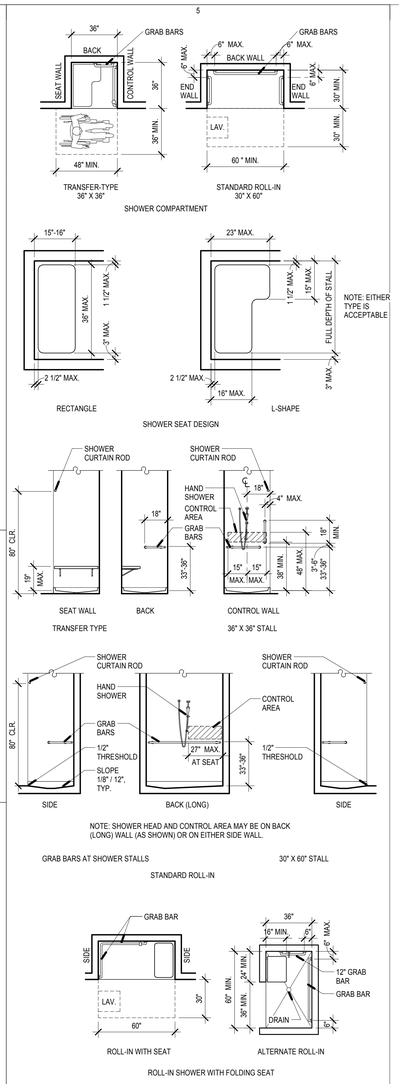
URINAL SCREENS OPTIONAL

FOR CHILDREN'S URINALS, X = 16" MAX. AND Y = 44". FOR HC URINALS, X = 17" MAX. AND Y = 44". ALL OTHER URINALS, X = 24" AND Y = 48" MAX.

605 URINALS



606. LAVATORIES AND SINKS



608. SHOWER COMPARTMENTS

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SASAKI

STATE OF UTAH
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

TYPICAL ANSI ACCESSIBILITY STANDARDS

G300
Sheet Number

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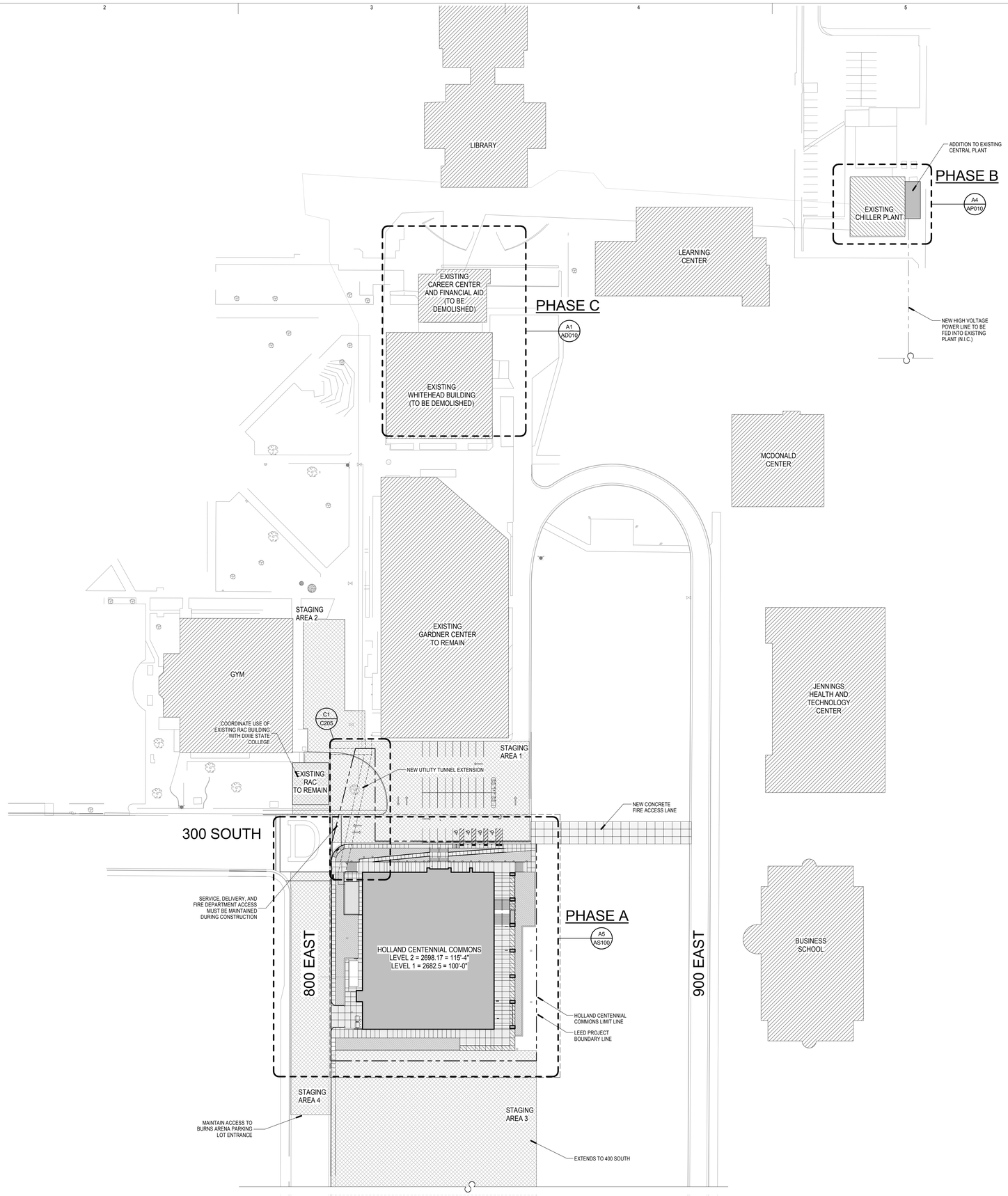

A4 PROJECT SCOPE PLAN

SCALE: 1" = 50'-0"

PROJECT SCOPE DESCRIPTION

Phase A
This phase of the construction includes the Holland Centennial Commons building and the extension of the existing reinforced concrete utility tunnel (and piping) to the building. This phase of the construction must be completed and ready for occupancy by the Student Services department before Phase C of the project can be implemented. See drawings and specifications for complete scope of this phase.

Phase B
This phase of the project includes the construction of the addition to the Campus Central Plant. A new chiller will be located in the addition. The cooling tower to the south of the Central Plant will be modified as shown in the attached drawings. This portion of the work shall be done concurrently with Phase A of the project. Any shut-down of any mechanical equipment in the Central Plant shall be coordinated with the Campus Facilities Department.

Phase C
This portion of the project includes the demolition of the existing Whitehead Building and the small administration building to the north of Whitehead. This work also includes modifying the grades to match the existing hill that slopes down from north to south. This phase cannot begin until Phase A is completed and the occupants from the Whitehead Building can move into the Holland Centennial Commons Building.

STAGING AREA NOTES

HATCHED AREA INDICATED APPROVED CONTRACTOR STAGING LOCATIONS. STAGING AREA 1 AND 2 MUST ALLOW FOR DELIVERY, SERVICE, AND FIRE DEPARTMENT ACCESS. IF GRASS FIELD TO THE SOUTH OF THE BUILDING SITE (STAGING AREA 3) IS NEEDED CONTRACTOR IS TO COORDINATE IRRIGATION SHUT OFF W/ DIXIE STATE COLLEGE AND REPAIR/ REPLACE ANY DAMAGE TO THE FIELD CAUSED BY STAGING. (GENERAL CONTRACTOR TO PROPOSE NECESSARY STAGING PLAN) THE USE OF 800 EAST (STAGING AREA 4) CAN BE USED PENDING APPROVAL FROM ST. GEORGE CITY AND MUST MAINTAIN ACCESS TO BURNS ARENA PARKING LOT.

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #062976 40
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

PHASING PLAN

G401
Sheet Number

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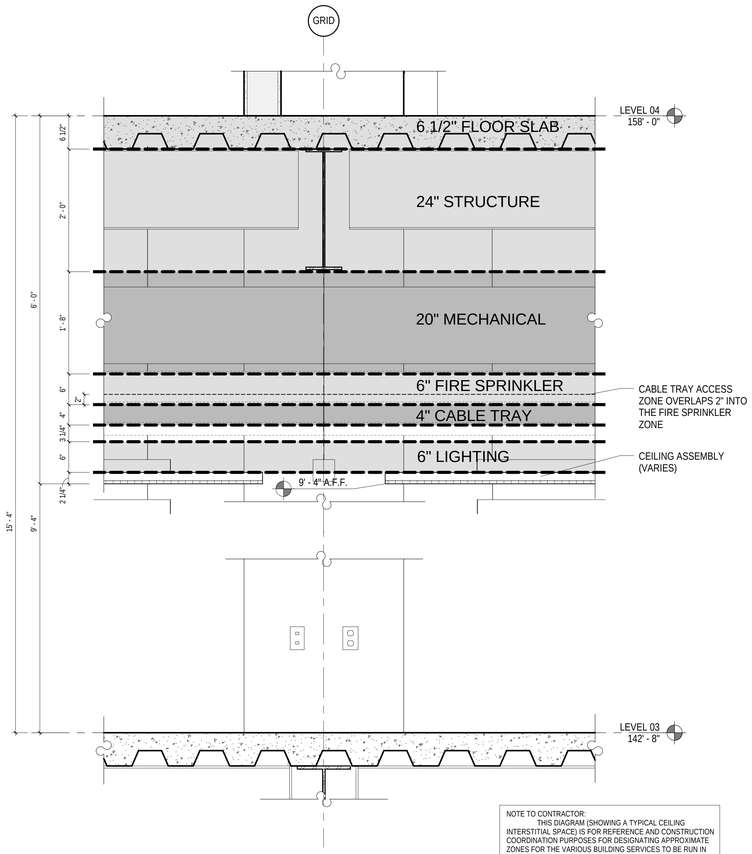
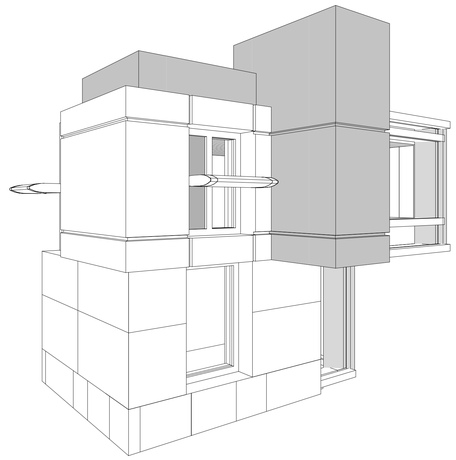
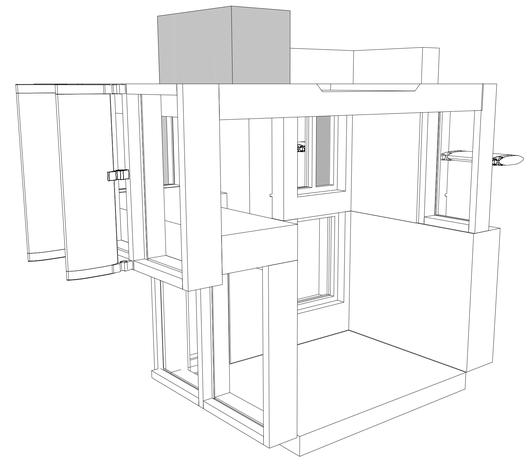


NOTE TO CONTRACTOR:
THIS DIAGRAM (SHOWING A TYPICAL CEILING INTERSTITIAL SPACE) IS FOR REFERENCE AND CONSTRUCTION COORDINATION PURPOSES FOR DESIGNATING APPROXIMATE ZONES FOR THE VARIOUS BUILDING SERVICES TO BE RUN IN THE INTERSTITIAL CEILING SPACE.
COORDINATION MEETINGS WITH THE CONTRACTOR, ARCHITECT, ENGINEERS, AND SUB CONTRACTORS WILL OCCUR REGARDING THIS ZONING BEFORE ANY WORK TAKES PLACE IN THESE SPACES.

C1 TYPICAL INTERSTITIAL SPACE DIAGRAM
SCALE: 1" = 1'-0"

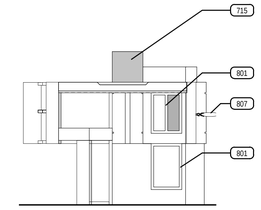


D3 MOCKUP PERSPECTIVE SW
SCALE:

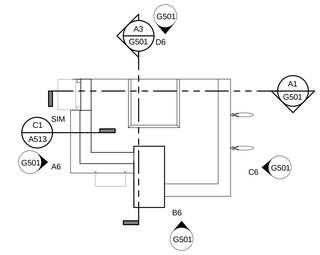


D4 MOCKUP PERSPECTIVE NE
SCALE:

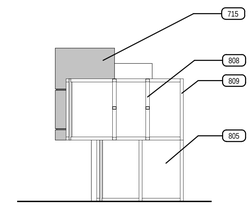
NOTE TO CONTRACTOR:
THE MOCKUP IS INTENDED TO TEST ALL EXTERIOR ENVELOPE ASSEMBLIES AND MUST BE CONSTRUCTED WITH ALL WALL, FLOOR AND ROOF COMPONENTS AS PER THE DESIGN DOCUMENTS



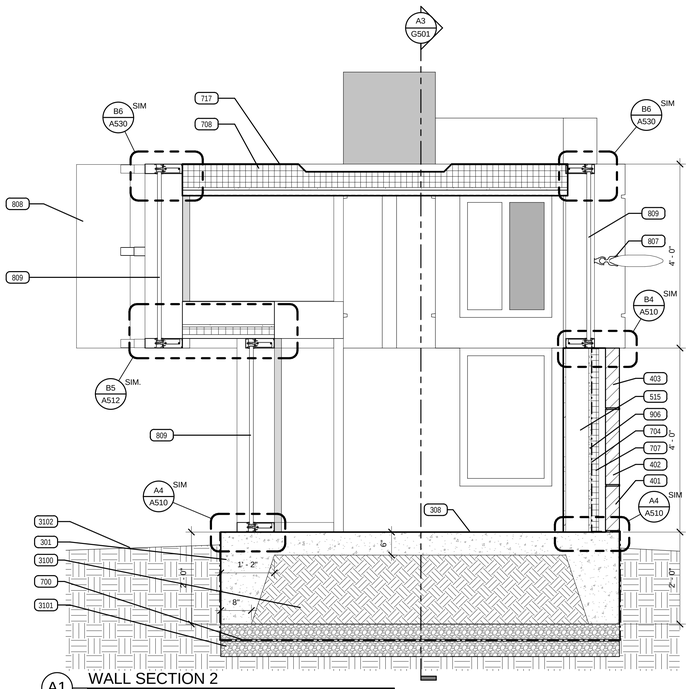
D6 EXTERIOR ELEVATION NORTH
SCALE: 1/4" = 1'-0"



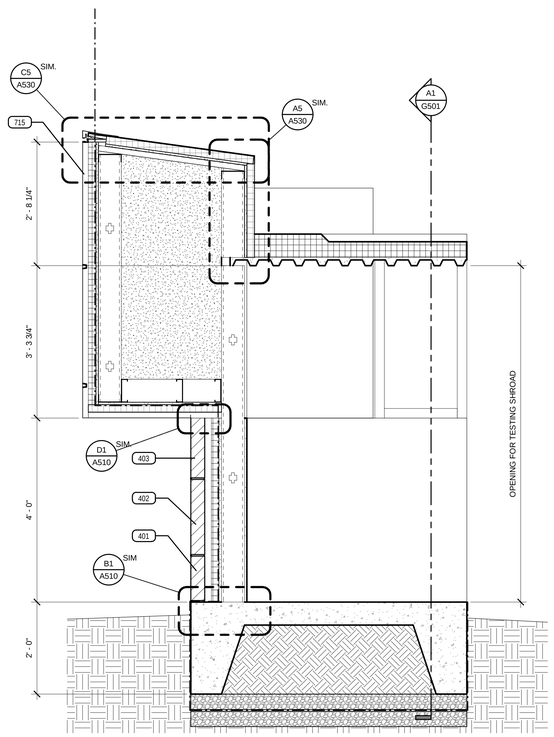
C5 MOCKUP ROOF PLAN
SCALE: 1/4" = 1'-0"



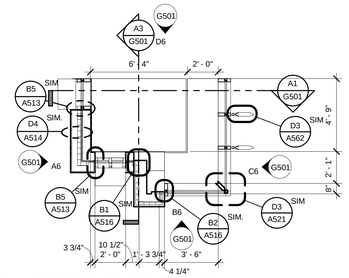
C6 EXTERIOR MOCKUP EAST
SCALE: 1/4" = 1'-0"



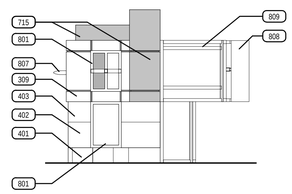
A1 WALL SECTION 2
SCALE: 3/4" = 1'-0"



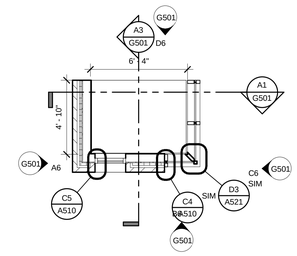
A3 WALL SECTION 1
SCALE: 3/4" = 1'-0"



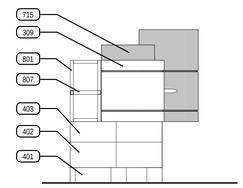
B5 MOCKUP PLAN LEVEL 02
SCALE: 1/4" = 1'-0"



B6 EXTERIOR MOCKUP SOUTH
SCALE: 1/4" = 1'-0"



A5 MOCKUP PLAN LEVEL 01
SCALE: 1/4" = 1'-0"



A6 EXTERIOR MOCKUP WEST
SCALE: 1/4" = 1'-0"

VCBO
ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

MOCKUP AND INTERSTITIAL SPACE DIAGRAM

G501
Sheet Number

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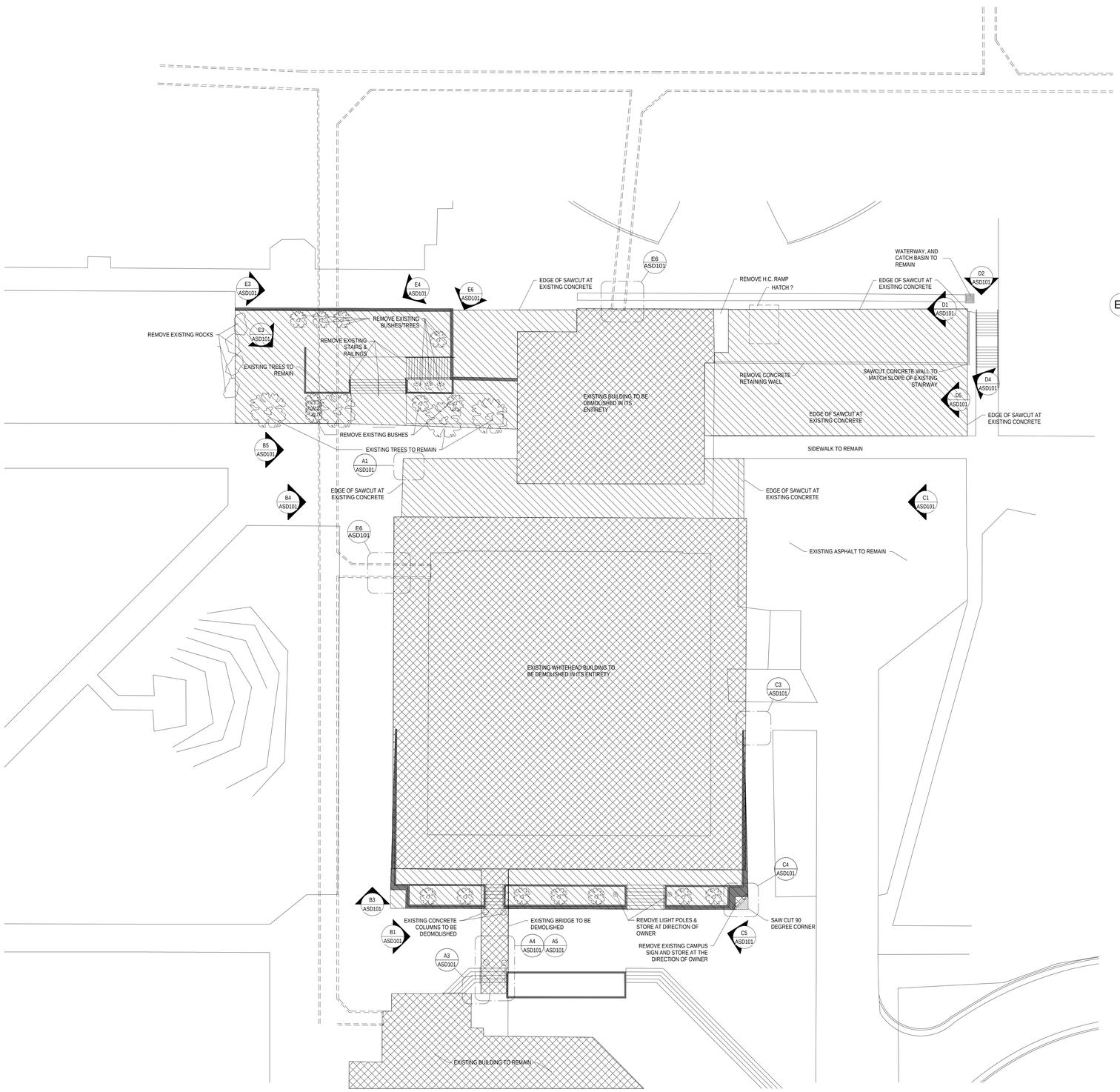
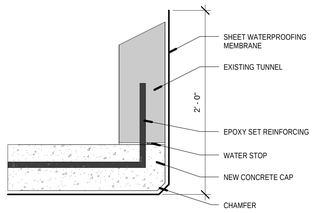


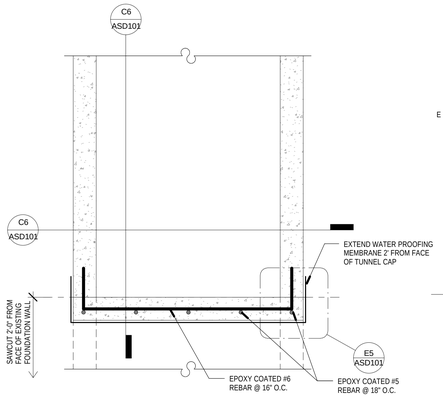
A1 Overall Demolition Site Plan

SCALE: 1/16" = 1'-0"



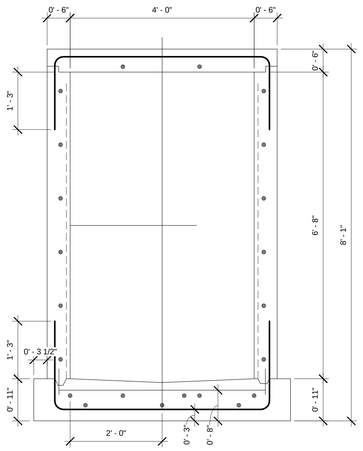
E5 CAP DETAIL @ CORNER

SCALE: 1 1/2" = 1'-0"



E6 EXISTING TUNNEL & CAP PLAN

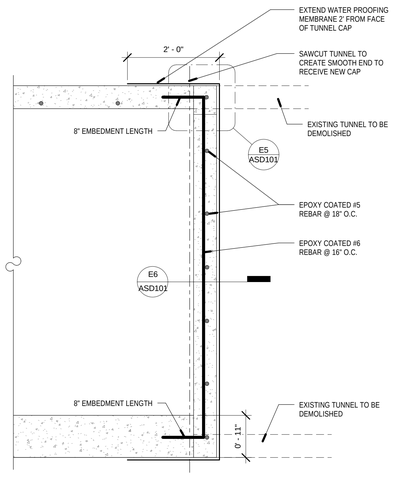
SCALE: 3/4" = 1'-0"



NOTE: PROVIDED FOR REFERENCE. G.C. TO FIELD VERIFY DIMENSIONS AND CONSTRUCTION

C6 EXISTING TUNNEL SECTION

SCALE: 3/4" = 1'-0"



A6 TUNNEL SECTION 3

SCALE: 3/4" = 1'-0"

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM # 06297640
DIXIE COLLEGE, ST. GEORGE, UT
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OVERALL WHITEHEAD BUILDING SITE DEMO PLAN

ASD101
Sheet Number

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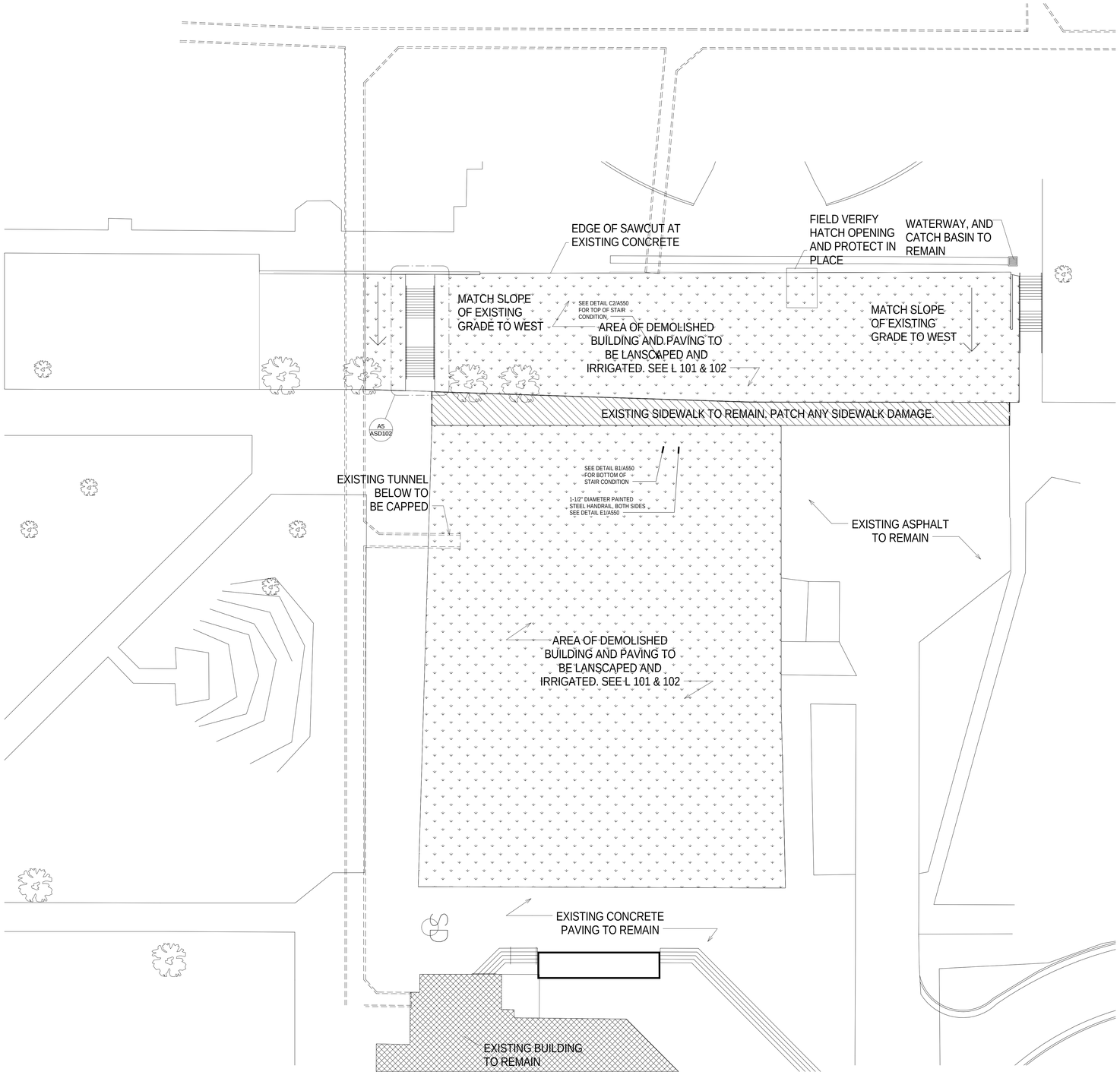


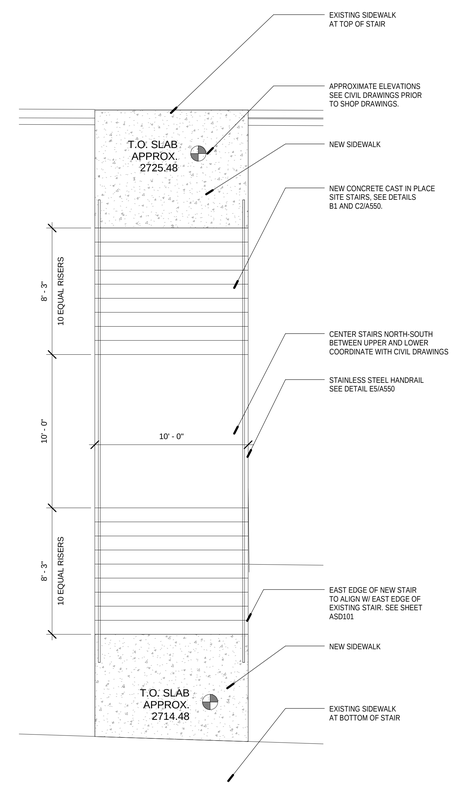
A1 OVERALL SITE PLAN (POST. DEOMLITION)

SCALE: 1/16" = 1'-0"

NOTE:
REPLACE ANY EXISTING CONCRETE PAVING THAT IS DAMAGED DURING DEMOLITION OPERATIONS OR WAS DAMAGED PRIOR TO DEMOLITION.

TREE PRESERVATION GUIDELINES AND NOTES

1. FENCES WILL BE ERECTED TO PROTECT TREES TO BE PRESERVED. FENCES DEFINE A SPECIFIC PROTECTION ZONE FOR EACH TREE OR GROUP OF TREES. FENCE TO BE AT A MINIMUM OF 20' FROM TRUNK OR AT DRIP LINE OF TREE, WHICHEVER IS GREATER. FENCES ARE TO REMAIN UNTIL ALL SITE WORK HAS BEEN COMPLETED. FENCES MAY NOT BE RELOCATED OR REMOVED WITHOUT THE WRITTEN PERMISSION OF THE CONSULTING ARBORIST OR THE ARCHITECT.
2. INSIDE ALL PROTECTED TREE FENCE AREAS, CONTRACTOR TO PROVIDE WOOD CHIPS, MINIMUM 4" DEEP.
3. CONSTRUCTION TRAILERS AND TRAFFIC AND STORAGE AREAS MUST REMAIN OUTSIDE FENCED AREAS AT ALL TIMES.
4. ALL UNDERGROUND UTILITIES AND DRAIN OR IRRIGATION LINES SHALL BE ROUTED OUTSIDE THE TREE PROTECTION ZONE. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE(S).
5. NO MATERIALS, EQUIPMENT, SPOIL OR WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED OR PARKED WITHIN THE TREE PROTECTION ZONE (FENCED AREA).
6. ADDITIONAL TREE PRUNING REQUIRED FOR CLEARANCE OR TREE HEALTH DURING CONSTRUCTION MUST BE PERFORMED BY A QUALIFIED ARBORIST AND NOT BY CONSTRUCTION PERSONNEL.
7. ANY HERBICIDES PLACED UNDER PAVING MATERIALS MUST BE SAFE FOR USE AROUND TREES AND LABELED FOR THAT USE. ANY PESTICIDES USED ON SITE MUST BE TREE-SAFE AND NOT EASILY WASHED OFF SITE, CAUSING POLLUTION.
8. IF INJURY SHOULD OCCUR TO ANY TREE DURING CONSTRUCTION IT SHOULD BE EVALUATED AS SOON AS POSSIBLE BY THE CONSULTING ARBORIST OR LANDSCAPE ARCHITECT SO THAT APPROPRIATE TREATMENTS CAN BE APPLIED.
9. ANY GRADING, CONSTRUCTION, DEMOLITION, OR OTHER WORK THAT IS EXPECTED TO ENCOUNTER TREE ROOTS MUST BE MONITORED BY THE CONSULTING ARBORISTILANDSCAPE ARCHITECT. ALL TREES NOT BEING REMOVED AS INDICATED ON LANDSCAPE DEMOLITION PLAN SHALL BE PROTECTED / MONITORED.
10. IRRIGATION WATER TO THE TREES AND SHRUBS TO REMAIN SHOULD BE AT LEAST 1 INCH A WEEK DURING GROWING SEASON UNTIL PROJECT COMPLETION (MAY - OCT) THIS WILL BE APPLIED WITH SPRINKLERS EVENLY OVER THE WHOLE ROOT SYSTEM, TWICE A WEEK TWO DAYS APART WITH 1/2 INCH OF WATER DELIVERED EACH WATERING CYCLE. NEWLY PLANTED PLANTS THAT HAVE NOT BECOME ESTABLISHED (2 YEARS OR LESS) WILL ALSO NEED IRRIGATION TO ENSURE THEIR SURVIVAL. IT IS RECOMMENDED THAT A TEMPORARY IRRIGATION SYSTEM BE DESIGNED ACCORDING TO THE VOLUME AND FLOW OF THE WATER SOURCE TO WATER THE PLANT MATERIAL.
11. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS, BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND OR EROSION WITHIN THE TREE PROTECTION ZONE.
12. ANY ROOTS DAMAGED DURING GRADING, TRENCHING OR CONSTRUCTION SHALL BE EXPOSED TO SOUND TISSUE AND CUT CLEANLY WITH A SAW. CONTRACTOR SHALL HAVE A QUALIFIED ARBORIST OR LANDSCAPE ARCHITECT OBSERVE THIS WORK.
13. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE ROOT AREA OF TREES TO BE RETAINED, A ROADBED OF 6 INCHES OF COURSE WOOD CHIP MULCH SHALL BE CREATED TO PROTECT THE SOIL AND ROOTS. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A 6-INCH DEPTH. UNDER NO CIRCUMSTANCES SHALL SUCH ACCESS ROADS BE USED ON A FREQUENT BASIS.
14. SPOIL OR SUBSOIL FROM TRENCHES, BASEMENTS, OR OTHER EXCAVATIONS SHALL NOT BE PLACED WITHIN THE TREE PROTECTION ZONE, EITHER TEMPORARILY OR PERMANENTLY.
15. MONITORING ONCE A MONTH SHALL OCCUR NOW AND FOR AT LEAST ONE YEAR AFTER CONSTRUCTION IS COMPLETED. CONTRACTOR SHALL HAVE A QUALIFIED ARBORIST PERFORM THIS TASK.
16. A SOIL SAMPLE SHALL BE SENT TO USU SOILS LAB TO DETERMINE IF ANY NUTRIENTS CAN BE ADDED TO HELP RELIEVE SOME STRESS TO THE TREES.



A5 ENLARGED SITE STAIR PLAN
1/4" = 1'-0"

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM # 06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

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CAD File
Drawn ST Checked ST
Date 12/03/2010
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Ins. #

OVERALL WHITEHEAD BUILDING SITE PLAN

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Sheet Number

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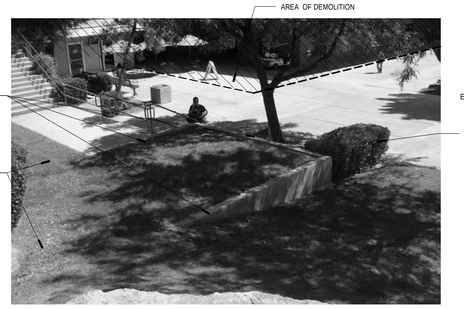

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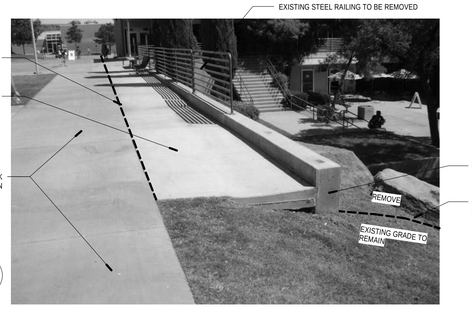

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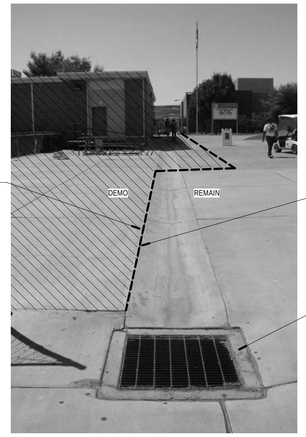

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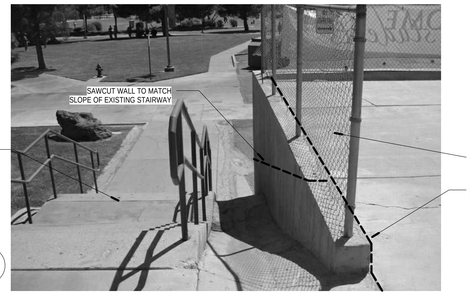

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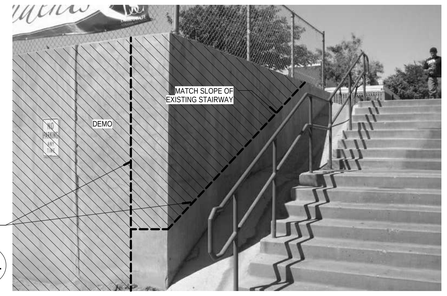

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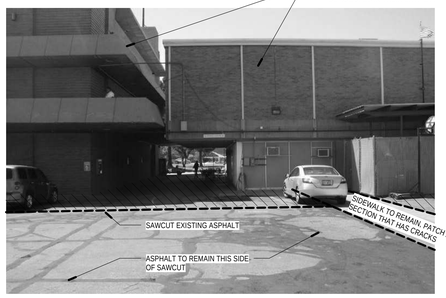

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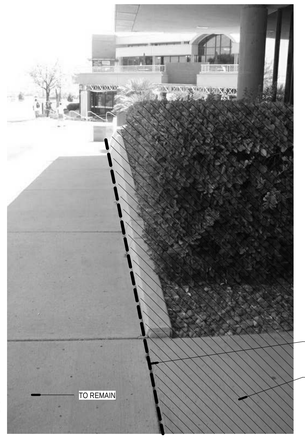

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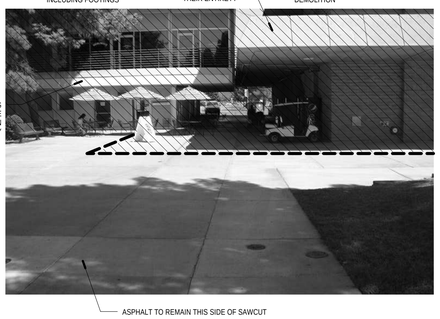

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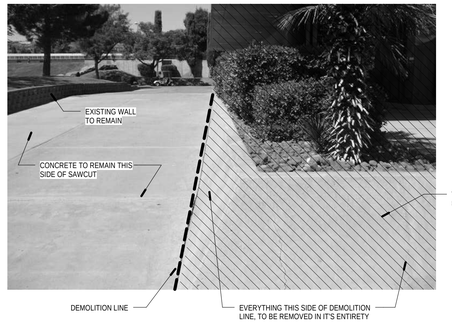

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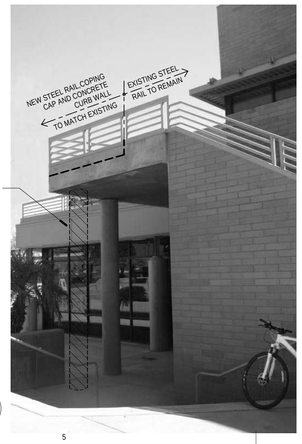

A5

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM # 06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

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Date 12/03/2010
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WHITEHEAD PHOTO SHEET

ASD103
Sheet Number

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CIVIL CONSTRUCTION PLANS

FOR THE

HOLLAND CENTENNIAL COMMONS
DIXIE STATE COLLEGE OF UTAH

PROJECT LOCATION

300 SOUTH & 800 EAST
ST. GEORGE, UTAH 84770
PLAT: WEST HALF OF SECTION 29,
TOWNSHIP 42 SOUTH, RANGE 15 WEST
SALT LAKE BASE AND MERIDIAN
ASSESSOR PARCEL #: SG-1018A & SG-1012

SHEET INDEX

SHEET C100	CIVIL COVER SHEET
SHEET C101	EXISTING CONDITIONS & DEMOLITION PLAN – HOLLAND COMMONS
SHEET C102	EXISTING CONDITIONS & DEMOLITION PLAN – WHITEHEAD BUILDING
SHEET C103	CIVIL SITE PLAN – HOLLAND COMMONS
SHEET C104	CIVIL SITE PLAN – WHITEHEAD BUILDING & CHILLER ADDITION
SHEET C201	UTILITY PLAN
SHEET C202	SEWER PLAN & PROFILE
SHEET C203	STORM DRAIN PLAN & PROFILE
SHEET C204	SUBDRAIN PLAN & PROFILE
SHEET C205	TUNNEL PLAN & PROFILE
SHEET C206	TUNNEL UTILITY CROSSINGS
SHEET C207	UTILITY PLAN – WHITEHEAD BUILDING & CHILLER ADDITION
SHEET C301	SITE GRADING PLAN – HOLLAND COMMONS
SHEET C302	SITE GRADING PLAN – WHITEHEAD BUILDING & CHILLER ADDITION
SHEET C303	CROSS SECTION
SHEET C401	EROSION CONTROL PLAN
SHEET C501	CIVIL DETAILS
SHEET C502	CIVIL DETAILS
SHEET C503	CIVIL DETAILS
SHEET C504	CIVIL DETAILS

GENERAL NOTES

1. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT THE EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED SATISFACTORY TO THE OWNER AT THE EXPENSE OF THE CONTRACTOR.

2. THE CONTRACTOR SHALL NOT BACKFILL ANY TRENCHES IN WHICH WATERLINES HAVE BEEN UNCOVERED UNTIL THE WATERLINES HAVE BEEN INSPECTED BY THE CITY OF ST GEORGE WATER SERVICES DEPARTMENT AND DIXIE STATE COLLEGE. ST. GEORGE CITY WATER SERVICES & DSC SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF CONSTRUCTION IN THE VICINITY OF THE WATERLINES.

3. ALL CONSTRUCTION SHALL BE AS SHOWN ON THE PLANS. ANY ALTERATIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE OWNER.

4. THE CONTRACTOR SHALL, AT HIS/HER OWN EXPENSE, LOCATE ALL OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS/HER OPERATIONS DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER AND/OR TELEPHONE FACILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.

5. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

6. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS BY A PROFESSIONAL LAND SURVEYOR.

7. EXISTING UTILITIES ARE SHOWN ON THE PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR SHOWN INCORRECTLY.

8. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND MAINTAIN TRAFFIC FLOW WITHIN ALL PUBLIC RIGHTS-OF-WAY UNLESS ARRANGEMENTS ARE MADE AND WRITTEN APPROVAL GRANTED FROM THE CITY OF ST. GEORGE. TRAFFIC CONTROL SHALL CONFORM TO CURRENT MUTCD STANDARDS.

9. CONTRACTOR SHALL POT-HOLE ALL CRITICAL UTILITY CROSSINGS AT LEAST 500 FEET PRIOR TO CONSTRUCTION AT THE CROSSING AREA.

10. THE CONTRACTOR SHALL INSTALL AN INFORMATIONAL SIGN ON SITE BEFORE CONSTRUCTION BEGINS. THIS SIGN WILL HAVE A MINIMUM SIZE, PLACEMENT LOCATION AND CONTENT INFORMATION WITH THE COMPANY NAME, PHONE CONTACT & GRADING PERMIT NUMBER. SIGN REQUIREMENTS ARE AS FOLLOWS:

    A. THE SIGN SHALL BE INSTALLED PRIOR TO BEGINNING ACTUAL CONSTRUCTION ACTIVITIES AND INITIATING ANY TYPE OF EARTH-MOVING OPERATIONS.
    B. THE SIGN SHALL BE INSTALLED AT A PROMINENT LOCATION ON THE PROPERTY NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE. TRAFFIC VISIBILITY SHALL BE MAINTAINED BY PLACING THE SIGN BACK FROM THE MAIN INGRESS/EGRESS LOCATION AND AT ANY APPLICABLE INTERSECTION FOR PROPER SIGHT-TRIANGLE CLEARANCES.
    C. THE SIGN MAY BE REMOVED ONCE FINAL STABILIZATION HAS BEEN ACHIEVED ON ALL PORTIONS OF THE SITE FOR WHICH THE PERSON IS RESPONSIBLE AND IS APPROVED BY THE CITY.
    D. THE SIGN SHALL BE A MINIMUM SIZE OF 4'X4' AND THE FOLLOWING INFORMATION SHALL BE DISPLAYED ON THE SIGN WITH THE DESIGNATED ALPHA AND NUMERIC DIMENSIONS. SIGN BOARDS WRITTEN IN LONGHAND ARE UNACCEPTABLE.

STATE OF UTAH DFCM	4" UPPERCASE BOLD LETTERS
DIXIE STATE COLLEGE	4" UPPERCASE BOLD LETTERS
HOLLAND CENTENNIAL COMMONS DFCM #06297640	4" UPPERCASE BOLD LETTERS
PERMIT NUMBER	4" BOLD NUMBERS
FOR PROJECT SITE CONCERNS CONTACT	6" UPPERCASE BOLD LETTERS
OFFICE PHONE CONTACT ###-###-####	4" BOLD NUMBERS
CELL PHONE CONTACT ###-###-####	4" BOLD NUMBERS
IF NO RESPONSE PLEASE CONTACT CITY NUMBERS OFFICE AT 435-627-4000	3" UPPERCASE BOLD LETTERS AND

    E. THE TEXT HEIGHT SHALL BE A MINIMUM AS SHOWN ON THE TEMPLATE ABOVE AND MUST CONTRAST WITH LETTERING, TYPICALLY BLACK TEXT WITH WHITE BACKGROUND.
    F. THE LOWER EDGE OF THE SIGN BOARD MUST BE A MINIMUM OF THREE (3) FEET AND A MAXIMUM OF FIVE (5) FEET ABOVE GRADE. SIGN MAY BE POSTED ON TRAILER IF IT MEETS THESE REQUIREMENTS.

11. PROJECTS SHALL SUBMIT A DUST CONTROL PLAN WITH DETAILS ON EQUIPMENT SCHEDULING AND REPORTING OF DUST CONTROL ACTIVITIES. DUST CONTROL REQUIREMENTS ARE AS FOLLOWS:

    A. APPLY WATER BY MEANS OF TRUCKS, HOSES AND/OR SPRINKLERS AT SUFFICIENT FREQUENCY AND QUANTITY, PRIOR TO CONDUCTING, DURING AND AFTER EARTHMOVING ACTIVITIES.
    B. PRE-APPLY WATER TO THE DEPTH OF THE PROPOSED CUTS OR EQUIPMENT PENETRATION.
    C. APPLY WATER AS NECESSARY AND PRIOR TO EXPECTED WIND EVENTS.
    D. OPERATE HAUL VEHICLES APPROPRIATELY IN ORDER TO MINIMIZE FUGITIVE DUST AND APPLY WATER AS NECESSARY DURING LOADING OPERATIONS.

    DISTURBED SURFACE AREAS OR
    INACTIVE CONSTRUCTION AREAS

    E. WHEN ACTIVE CONSTRUCTION OPERATIONS HAVE CEASED, APPLY WATER AT SUFFICIENT FREQUENCY AND QUANTITY TO DEVELOP A SURFACE CRUST AND PRIOR TO EXPECTED WIND EVENTS.
    F. INSTALL FENCE BARRIER AND/OR "NO TRESPASSING" SIGNS TO PREVENT ACCESS TO DISTURBED SURFACE.

12. A MANDATORY PRE-CONSTRUCTION MEETING WITH THE CITY OF ST. GEORGE WILL BE REQUIRED ON ALL PROJECTS PRIOR TO ANY GRUBBING, GRADING, OR CONSTRUCTION ACTIVITIES. THE PERMIT HOLDER WILL BE REQUIRED TO NOTIFY ALL DEVELOPMENT SERVICES INSPECTORS.

13. ALL MATERIALS AND WORK MUST MEET CITY OF ST. GEORGE STANDARDS.

14. FOLLOW APPENDIX 'J' STANDARDS FOUND IN THE 2009 IBC.

NOTICE!

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AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.
Call BEFORE YOU Dig
1-800-662-4111
UNDERGROUND SERVICE

ALPHA ENGINEERING COMPANY
43 SOUTH 100 EAST, ST. GEORGE, UT. 84770
TEL: 435-628-6500 FAX: 435-628-6553

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

REGISTERED PROFESSIONAL ENGINEER
12/3/10
NO. 4855703
GLEN E. CARNAHAN
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 841
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

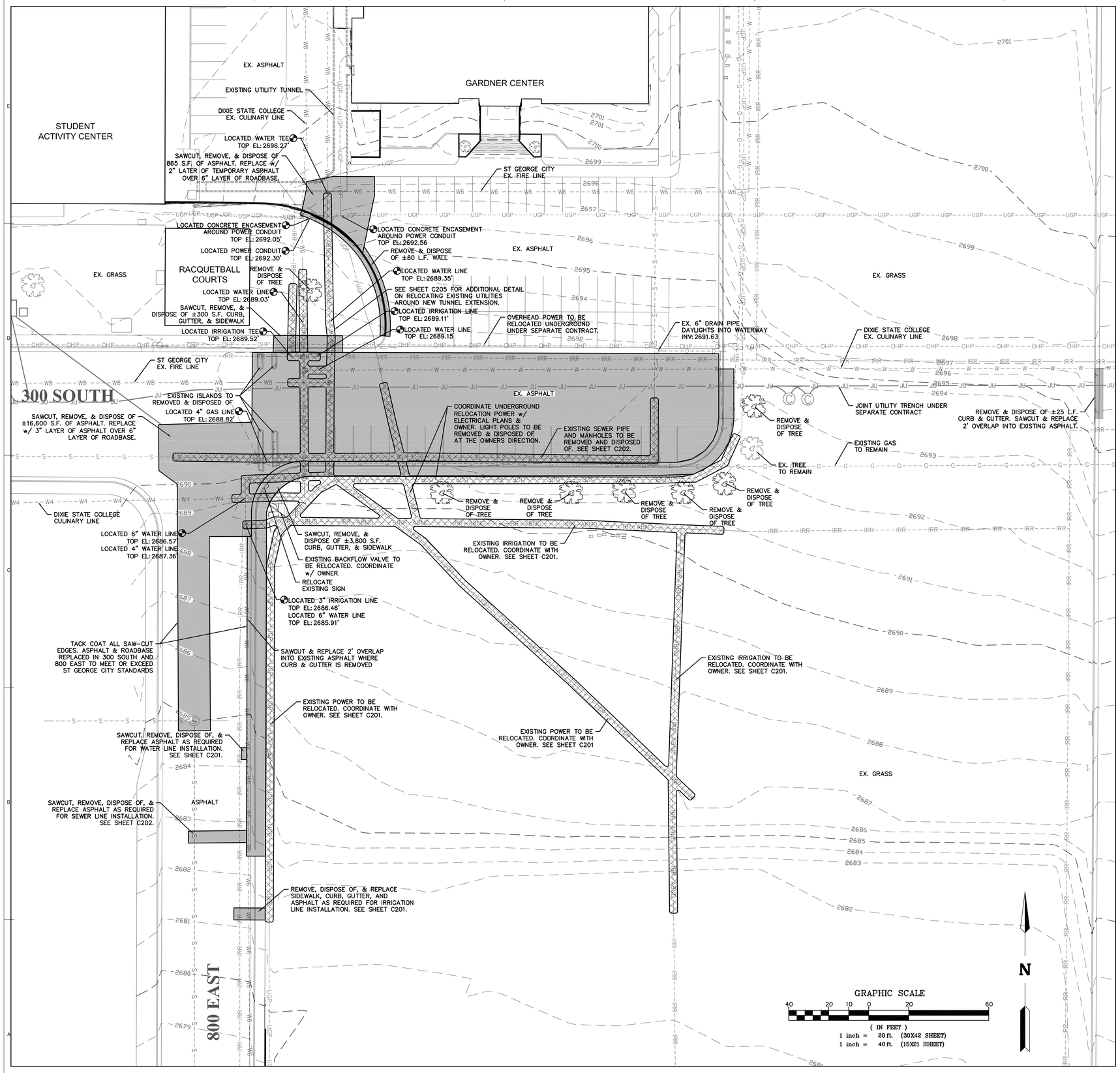
HOLLAND CENTENNIAL COMMONS
DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Job # 09625
CAD File 581-09-MST.dwg
Drawn JTM Checked GEC
Date 12/03/2010
Owner #
Ins. #

CIVIL COVER SHEET

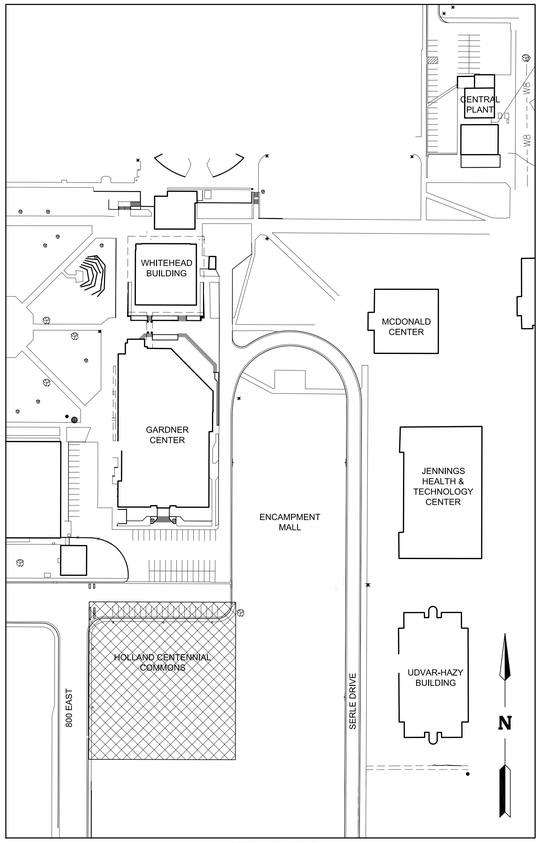
C100



HOLLAND CENTENNIAL COMMONS BUILDING

LEGEND

WATER/IRRIGATION VALVE	SITE DEMOLITION
FIRE HYDRANT	UTILITY DEMOLITION
POWER POLE	EXISTING SEWER LINE
LIGHT POLE	EXISTING GAS LINE
IRRIGATION BOX	EXISTING WATER LINE
SEWER MANHOLE	EXISTING 6" WATER LINE
TREE	EXISTING 8" WATER LINE
	EXISTING IRRIGATION LINE
UTILITY POTHOLED AND LOCATED BY SURVEY	EXISTING UNDERGROUND POWER
	EXISTING OVERHEAD POWER
EXISTING UNDERGROUND UTILITY TUNNEL	EXISTING GRADE CONTOURS



VICINITY MAP
SCALE: 1" = 100' (30x42)

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NOTES

1. UTILITIES DESIGNATED "UNDER SEPARATE CONTRACT" WILL BE INSTALLED AS PART OF THE DFCM HIGH VOLTAGE RELOCATION PROJECT. THE HIGH VOLTAGE RELOCATION PROJECT MAY RUN CONCURRENTLY WITH HOLLAND CENTENNIAL COMMONS PROJECT. CONTRACTOR TO COORDINATE DEMOLITION/INSTALLATION OF ALL IMPROVEMENTS, UTILITIES, AND TUNNEL WITH THE HIGH VOLTAGE RELOCATION PROJECT.
2. ONLY MAIN IRRIGATION LINES SHOWN. REMOVE & DISPOSE OF ALL IRRIGATION, CONTROLLERS, VALVES, AND HEADS AS REQUIRED FOR THE PROJECT. COORDINATE REMOVAL AND SALVAGE OF MATERIALS WITH DIXIE STATE COLLEGE. COORDINATE WITH LANDSCAPE DRAWINGS. IRRIGATION SERVICE TO BE MAINTAINED IN AREAS NOT DESIGNATED FOR DEMOLITION.
3. CONTRACTOR TO PREPARE AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PRIOR TO ANY DISTURBANCE. SEE SHEET C401 FOR EROSION CONTROL PLAN TO BE IMPLEMENTED AS PART OF THE SWPPP. CONTRACTOR IS RESPONSIBLE TO SUBMIT NOTICE OF INTENT (NOI) AND NOTICE OF TERMINATION (NOT) AND TO PAY ALL FEES ASSOCIATED WITH THE STORM WATER PERMIT.

ALPHA Engineering Company
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VCBO ARCHITECTURE
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SASAKI
VCBO ARCHITECTURE
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WWW: www.vcbo.com

REGISTERED PROFESSIONAL ENGINEER 12/3/10 NO. 4855703 GLEN E. GERNATAN STATE OF UTAH

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

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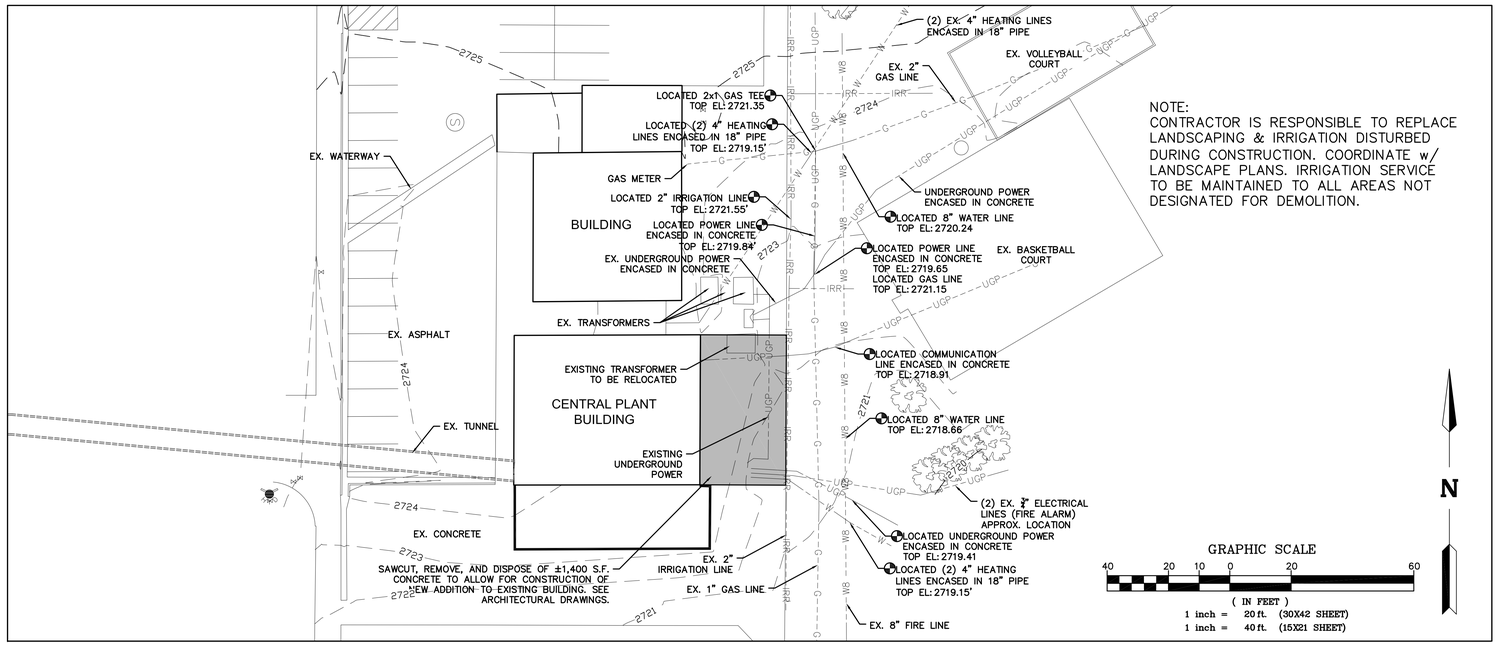
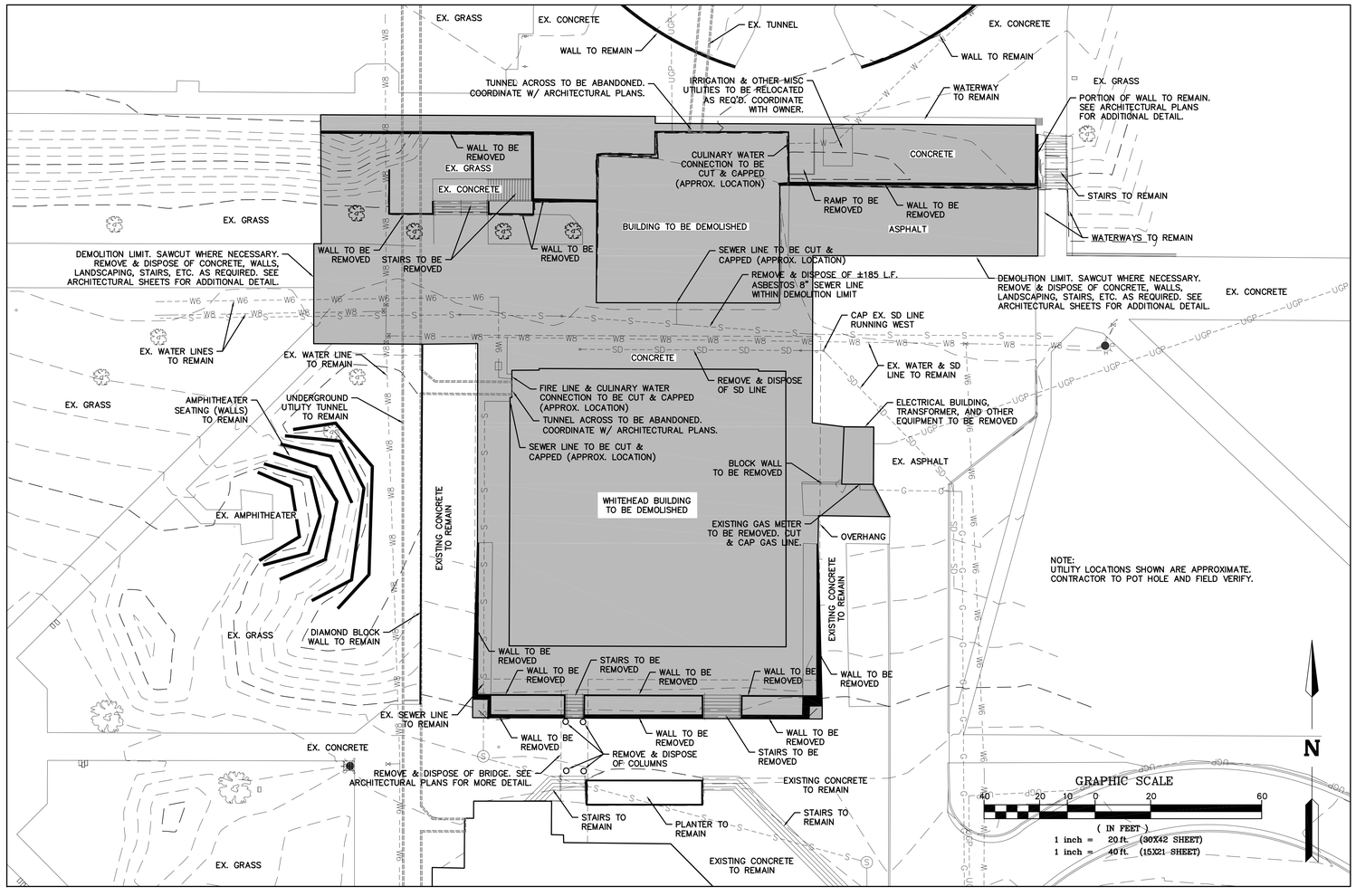
EXISTING CONDITIONS & DEMOLITION PLAN - HOLLAND COMMONS

C101



NOTE:
CONTRACTOR IS RESPONSIBLE TO REPLACE LANDSCAPING & IRRIGATION DISTURBED DURING CONSTRUCTION. COORDINATE w/ LANDSCAPE PLANS. IRRIGATION SERVICE TO BE MAINTAINED TO ALL AREAS NOT DESIGNATED FOR DEMOLITION.

CENTRAL PLANT BUILDING

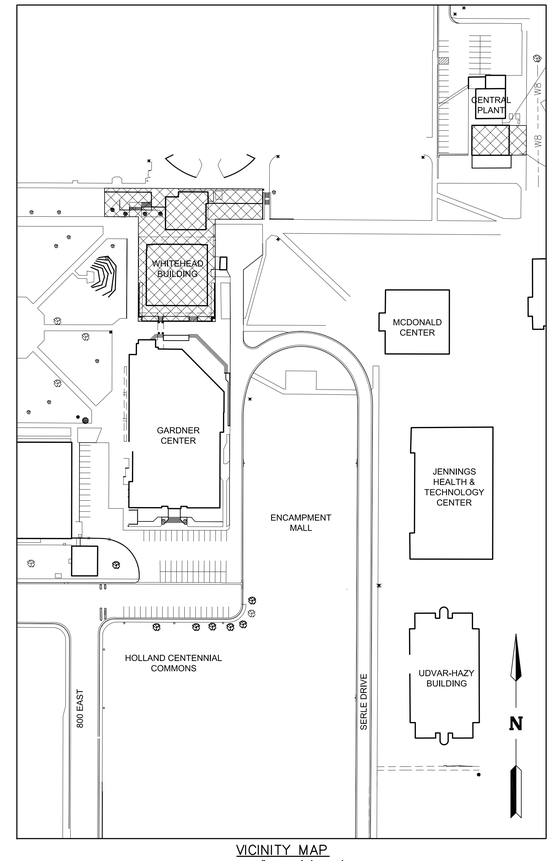


NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR TO POT HOLE AND FIELD VERIFY.

WHITEHEAD BUILDING

LEGEND

WATER/IRRIGATION VALVE	SITE DEMOLITION
FIRE HYDRANT	UTILITY DEMOLITION
POWER POLE	EXISTING SEWER LINE
LIGHT POLE	EXISTING GAS LINE
IRRIGATION BOX	EXISTING WATER LINE
SEWER MANHOLE	EXISTING 6" WATER LINE
TREE	EXISTING 8" WATER LINE
UTILITY POTHOLED AND LOCATED BY SURVEY	EXISTING IRRIGATION LINE
EXISTING UNDERGROUND UTILITY TUNNEL	EXISTING UNDERGROUND POWER
	EXISTING OVERHEAD POWER
	EXISTING GRADE CONTOURS



VICINITY MAP
SCALE: 1" = 100' (30x42)

NOTICE!

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1-800-662-4111
UNDERGROUND SERVICE

NOTES
1. UNDERGROUND UTILITIES WERE NOT FIELD VERIFIED FOR THIS. LOCATIONS SHOWN ARE APPROXIMATE. ALL UTILITY SERVICE TO EXISTING BUILDING TO BE FIELD LOCATED CAPPED AND REMOVED WITHIN DEMOLITION LIMITS.
2. CAPPED/ABANDONED UTILITIES TO BE MARKED AND LOCATED BY FIELD SURVEY. SURVEYED LOCATIONS TO BE PROVIDED TO THE OWNER.
3. ALL EXISTING VALVES, MANHOLES, ETC. IN THE DEMOLITION AREA TO BE FIELD LOCATED AND RAISED W/ CONCRETE COLLARS UPON COMPLETION OF DEMOLITION.
4. ANY CONCRETE OR ASPHALT OR LANDSCAPE DAMAGED DURING DEMOLITION OPERATIONS TO BE REPLACED BY THE CONTRACTOR IN A CONDITION SATISFACTORY TO THE OWNER & ARCHITECT.

ALPHA Engineering Company
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TEL: 435-628-6500 FAX: 435-628-6553

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

REGISTERED PROFESSIONAL ENGINEER 12/3/10 NO. 4855703 GLEN E. CORNAYAN STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #062976A0

DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

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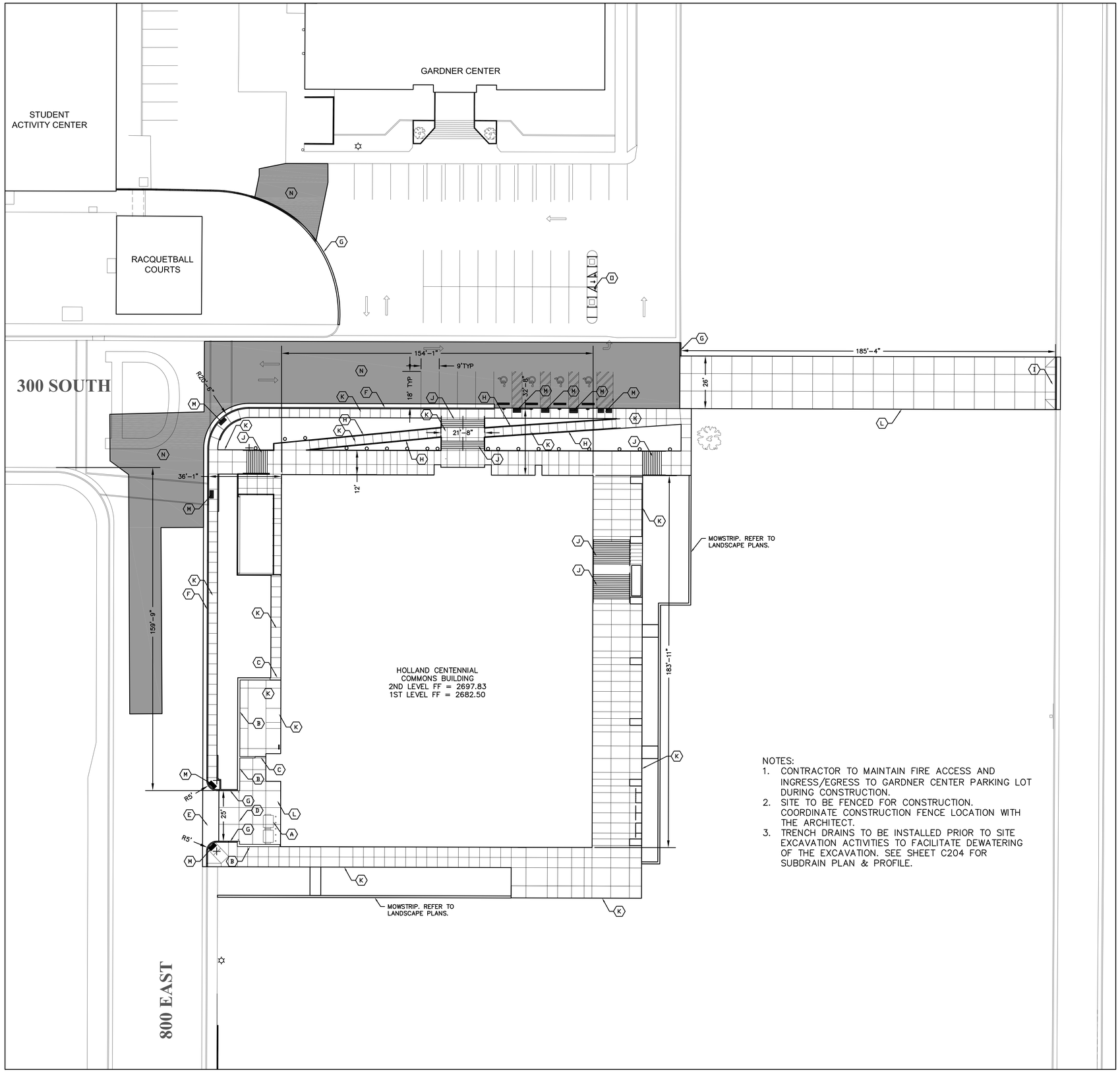
EXISTING CONDITIONS & DEMOLITION PLAN - WHITEHEAD BUILDING

C102



NOTES:
1. CONTRACTOR TO MAINTAIN FIRE ACCESS AND INGRESS/EGRESS TO GARDNER CENTER PARKING LOT DURING CONSTRUCTION.
2. SITE TO BE FENCED FOR CONSTRUCTION. COORDINATE CONSTRUCTION FENCE LOCATION WITH THE ARCHITECT.
3. TRENCH DRAINS TO BE INSTALLED PRIOR TO SITE EXCAVATION ACTIVITIES TO FACILITATE DEWATERING OF THE EXCAVATION. SEE SHEET C204 FOR SUBDRAIN PLAN & PROFILE.

HOLLAND CENTENNIAL COMMONS BUILDING

LEGEND

- EXISTING SITE LAYOUT
- NEW SITE LAYOUT
- NEW SIDEWALK
- NEW ASPHALT

KEYED NOTE LEGEND

- (A) DUMPSTERS. SEE ARCHITECTURAL DRAWINGS FOR DETAIL.
- (B) BLOCK WALL. SEE ARCHITECTURAL DRAWINGS FOR DETAIL.
- (C) GATE. SEE ARCHITECTURAL DRAWINGS FOR DETAIL.
- (D) ROLLING GATE. SEE ARCHITECTURAL DRAWINGS FOR DETAIL.
- (E) 8' WATERWAY. SEE DETAIL N, SHEET C503.
- (F) CURB & GUTTER. SEE DETAIL J, SHEET C503.
- (G) A-CURB. SEE DETAIL K, SHEET C503.
- (H) MOW-STRIP w/ RAILING. SEE DETAIL K, SHEET C503 & ARCHITECTURAL PLANS.
- (I) DRIVEWAY APPROACH. SEE DETAIL Q, SHEET C504.
- (J) STAIRS. SEE ARCHITECTURAL DRAWINGS.
- (K) CONCRETE SIDEWALK. SEE ARCHITECTURAL DRAWINGS AND DETAIL L, SHEET C503.
- (L) 6" CONCRETE SIDEWALK OVER 6" ROADBASE.
- (M) ADA RAMP. SEE ARCHITECTURAL DRAWINGS FOR DETAIL.
- (N) REPLACE ASPHALT. SEE SHEET C101.
- (O) LIBRARY DROP BOX. SEE ARCHITECTURAL DRAWINGS FOR DETAIL.

GRAPHIC SCALE

40 20 10 0 20 60

(IN FEET)
1 inch = 20 ft. (30X42 SHEET)
1 inch = 40 ft. (15X21 SHEET)

N

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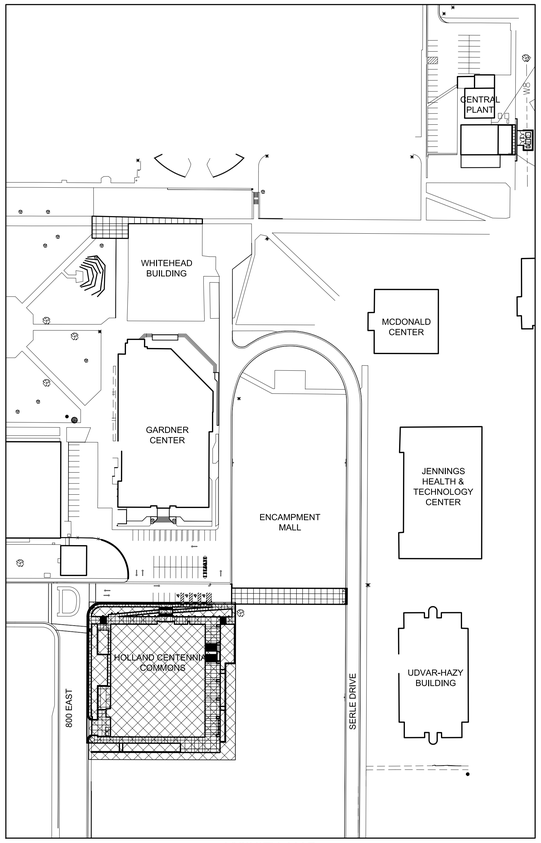

VICINITY MAP
SCALE: 1" = 100' (30x42)

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

REGISTERED PROFESSIONAL ENGINEER
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GLEN E. CSERNATIN
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
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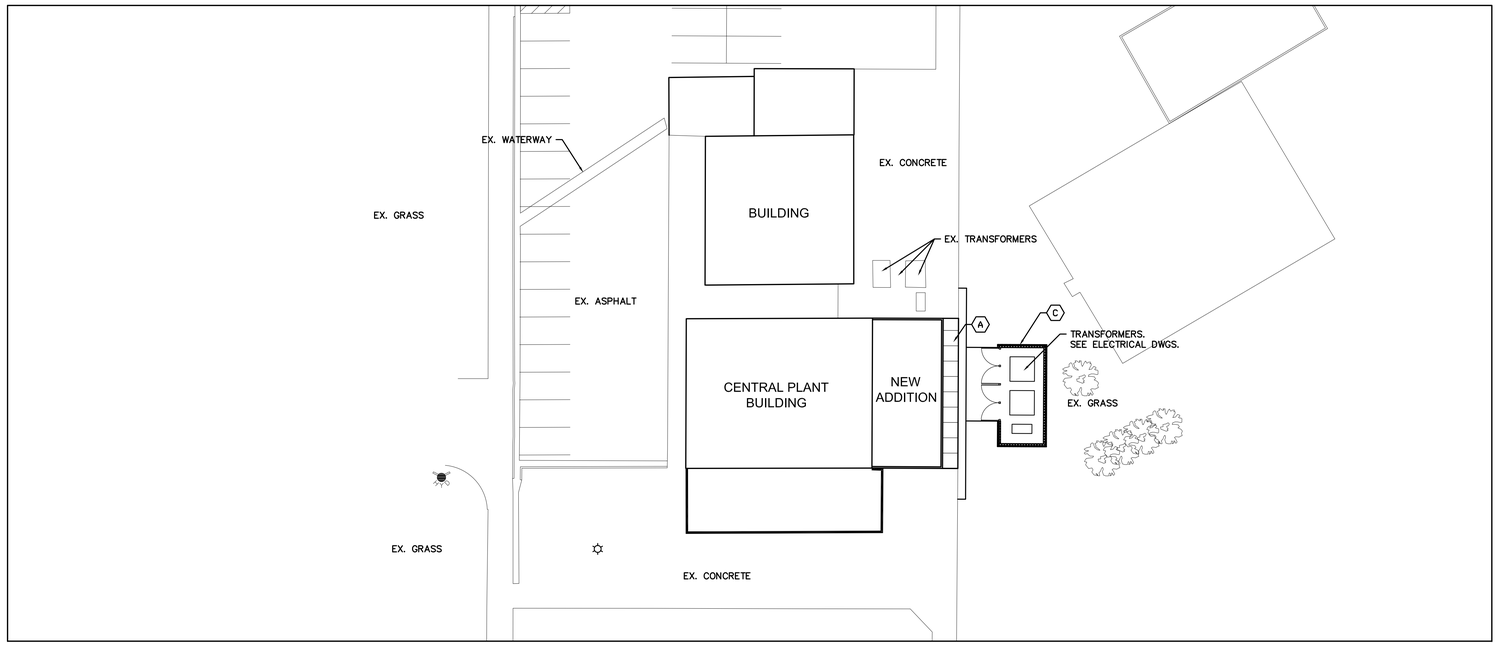
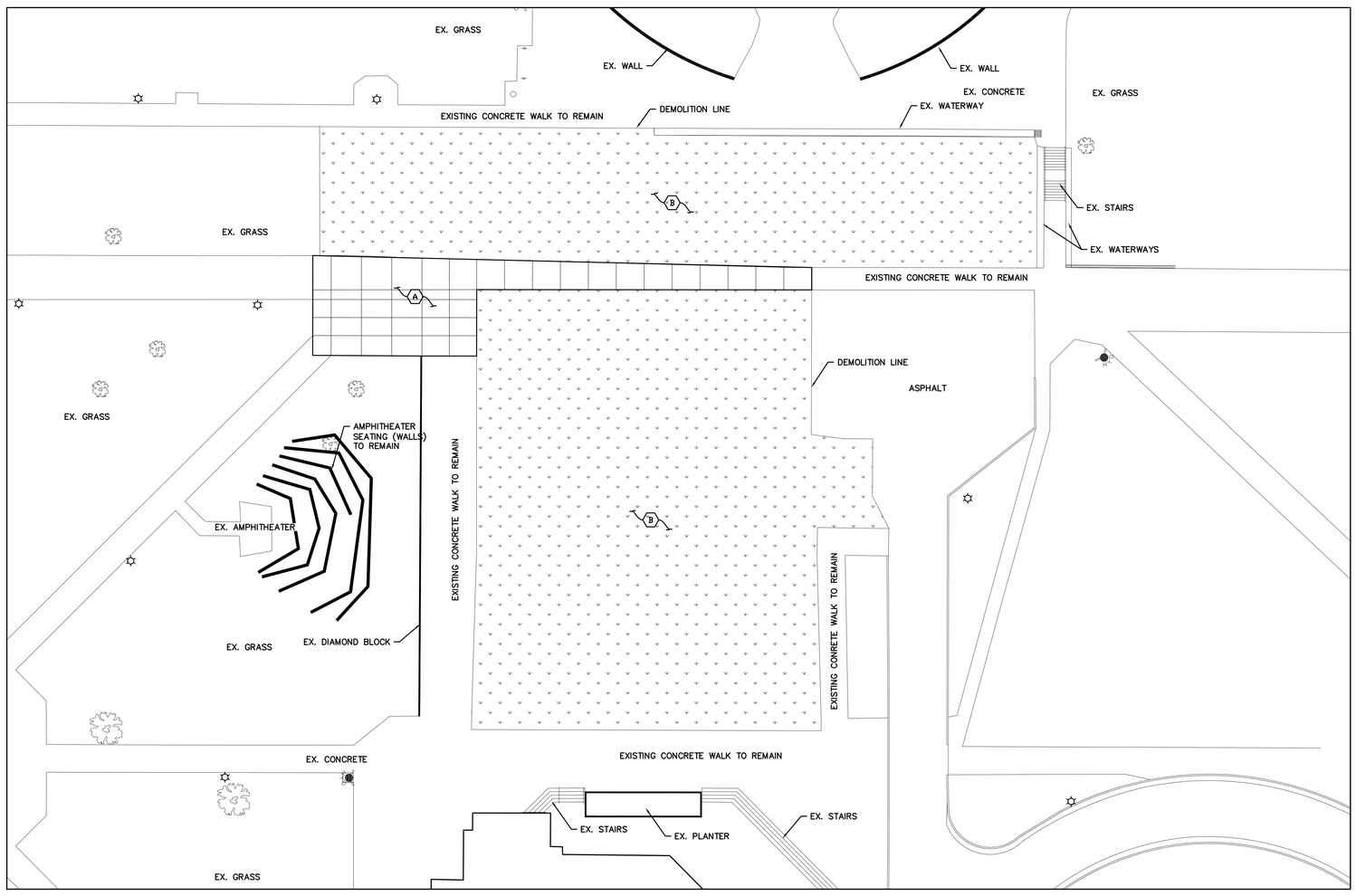
CIVIL SITE PLAN - HOLLAND COMMONS

C103



CENTRAL PLANT BUILDING



WHITEHEAD BUILDING

LEGEND

- EXISTING SITE LAYOUT
- NEW SITE LAYOUT
- NEW SIDEWALK
- NEW LANDSCAPING

KEYED NOTE LEGEND

A. 6" CONCRETE SIDEWALK OVER 6" ROAD BASE.
B. DEMOLITIONED AREAS TO BE GRADED AND LANDSCAPED. COORDINATE w/ LANDSCAPE DRAWINGS & OWNER. SEE C302 FOR GRADING DETAIL.
C. BLOCK WALL. SEE ARCHITECTURAL DRAWINGS.

GRAPHIC SCALE

40 20 10 0 20 60

(IN FEET)
1 inch = 20 ft. (30X42 SHEET)
1 inch = 40 ft. (15X21 SHEET)

N

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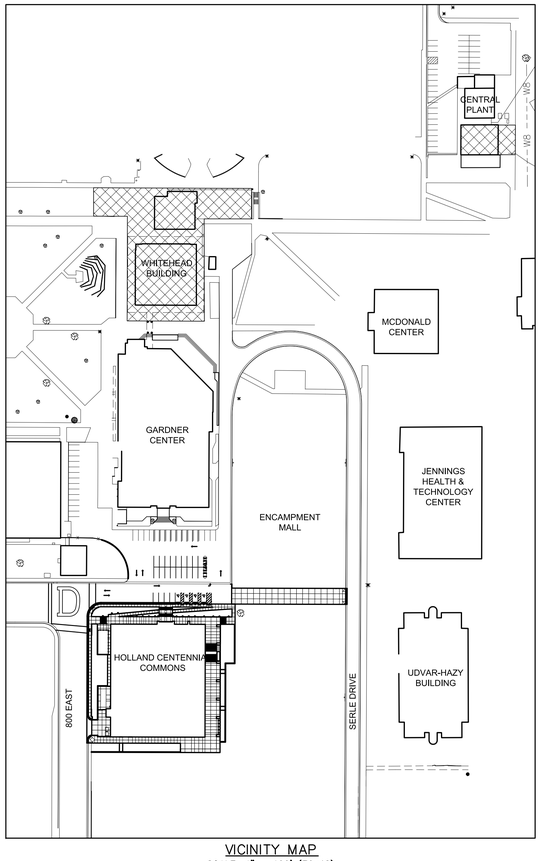

VICINITY MAP
SCALE: 1" = 100' (30x42)

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640

DIXIE COLLEGE, ST. GEORGE, UT
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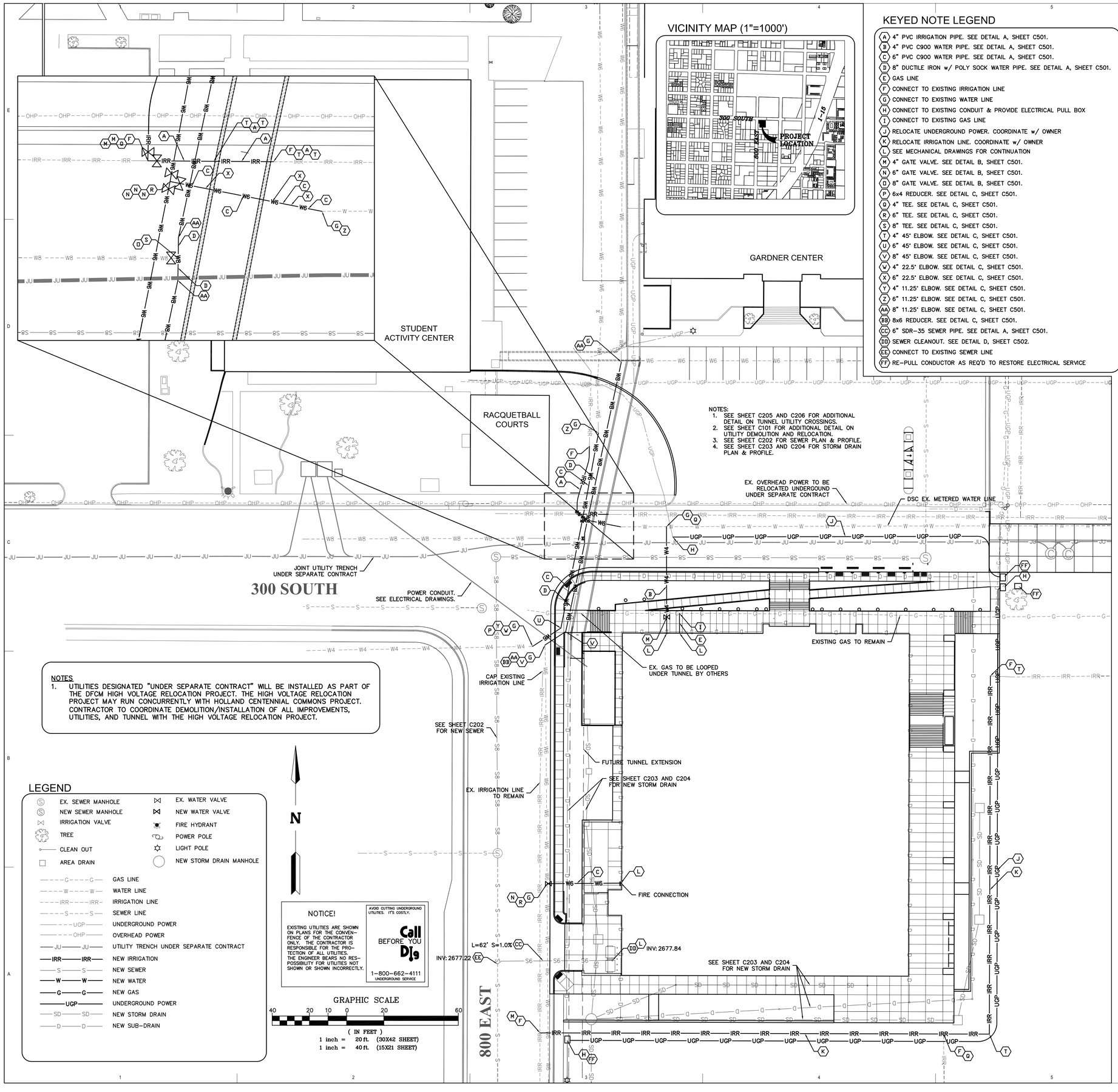
CIVIL SITE PLAN - WHITEHEAD BUILDING & CHILLER ADDITION

C104



NOTES:
1. SEE SHEET C205 AND C206 FOR ADDITIONAL DETAIL ON TUNNEL UTILITY CROSSINGS.
2. SEE SHEET C101 FOR ADDITIONAL DETAIL ON UTILITY DEMOLITION AND RELOCATION.
3. SEE SHEET C202 FOR SEWER PLAN & PROFILE.
4. SEE SHEET C203 AND C204 FOR STORM DRAIN PLAN & PROFILE.

NOTES
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LEGEND

EX. SEWER MANHOLE	EX. WATER VALVE
NEW SEWER MANHOLE	NEW WATER VALVE
IRRIGATION VALVE	FIRE HYDRANT
TREE	POWER POLE
CLEAN OUT	LIGHT POLE
AREA DRAIN	NEW STORM DRAIN MANHOLE
GAS LINE	
WATER LINE	
IRRIGATION LINE	
SEWER LINE	
UNDERGROUND POWER	
OVERHEAD POWER	
UTILITY TRENCH UNDER SEPARATE CONTRACT	
NEW IRRIGATION	
NEW SEWER	
NEW WATER	
NEW GAS	
UNDERGROUND POWER	
NEW STORM DRAIN	
NEW SUB-DRAIN	

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GRAPHIC SCALE
40 20 10 0 20 60
(IN FEET)
1 inch = 20 ft. (30X42 SHEET)
1 inch = 40 ft. (15X21 SHEET)

VICINITY MAP (1"=1000')

KEYED NOTE LEGEND

- A 4" PVC IRRIGATION PIPE. SEE DETAIL A, SHEET C501.
- B 4" PVC C900 WATER PIPE. SEE DETAIL A, SHEET C501.
- C 6" PVC C900 WATER PIPE. SEE DETAIL A, SHEET C501.
- D 8" DUCTILE IRON w/ POLY SOCK WATER PIPE. SEE DETAIL A, SHEET C501.
- E GAS LINE
- F CONNECT TO EXISTING IRRIGATION LINE
- G CONNECT TO EXISTING WATER LINE
- H CONNECT TO EXISTING CONDUIT & PROVIDE ELECTRICAL PULL BOX
- I CONNECT TO EXISTING GAS LINE
- J RELOCATE UNDERGROUND POWER. COORDINATE w/ OWNER
- K RELOCATE IRRIGATION LINE. COORDINATE w/ OWNER
- L SEE MECHANICAL DRAWINGS FOR CONTINUATION
- M 4" GATE VALVE. SEE DETAIL B, SHEET C501.
- N 6" GATE VALVE. SEE DETAIL B, SHEET C501.
- O 8" GATE VALVE. SEE DETAIL B, SHEET C501.
- P 6x4 REDUCER. SEE DETAIL C, SHEET C501.
- Q 4" TEE. SEE DETAIL C, SHEET C501.
- R 6" TEE. SEE DETAIL C, SHEET C501.
- S 8" TEE. SEE DETAIL C, SHEET C501.
- T 4" 45° ELBOW. SEE DETAIL C, SHEET C501.
- U 6" 45° ELBOW. SEE DETAIL C, SHEET C501.
- V 8" 45° ELBOW. SEE DETAIL C, SHEET C501.
- W 4" 22.5° ELBOW. SEE DETAIL C, SHEET C501.
- X 6" 22.5° ELBOW. SEE DETAIL C, SHEET C501.
- Y 4" 11.25° ELBOW. SEE DETAIL C, SHEET C501.
- Z 6" 11.25° ELBOW. SEE DETAIL C, SHEET C501.
- AA 8" 11.25° ELBOW. SEE DETAIL C, SHEET C501.
- BB 8x6 REDUCER. SEE DETAIL C, SHEET C501.
- CC 6" SDR-35 SEWER PIPE. SEE DETAIL A, SHEET C501.
- DD SEWER CLEANOUT. SEE DETAIL D, SHEET C502.
- EE CONNECT TO EXISTING SEWER LINE
- FF RE-PULL CONDUCTOR AS REQ'D TO RESTORE ELECTRICAL SERVICE

GENERAL UTILITY NOTES

1. ALL UTILITY LINES SHALL CONFORM TO ST. GEORGE CITY CONSTRUCTION STANDARDS. A COPY OF THE CITY STANDARDS SHALL BE ON SITE AT ALL TIMES DURING CONSTRUCTION.
2. CONTRACTOR SHALL NOTIFY ST. GEORGE CITY AT LEAST 24 HOURS IN ADVANCE FOR ANY UTILITY CONNECTIONS TO EXISTING UTILITIES.
3. COORDINATE UTILITY CONNECTIONS TO BUILDING WITH PLUMBING OR ELECTRICAL CONTRACTOR.
4. COORDINATE SITE POWER INSTALLATION WITH ST. GEORGE CITY POWER DEPT.
5. NO NEW UNDERGROUND UTILITIES SHALL BE BACKFILLED UNTIL INSPECTED BY OWNER AND/OR ST. GEORGE CITY.
6. ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR TO BLUE STAKE EXISTING UTILITIES PRIOR TO EXCAVATION TO VERIFY LOCATION.

WATER NOTES

1. ALL WATERLINE WORKS MUST BE INSTALLED BY A CONTRACTOR THAT HAS BEEN PRE-QUALIFIED BY THE CITY OF ST. GEORGE WATER DEPARTMENT.
2. ALL CONSTRUCTION SHALL CONFORM TO THE "CITY OF ST. GEORGE STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION", "THE UNIFORM PLUMBING CODE", AND THE "UNIFORM BUILDING CODE" LATEST EDITION AS ADMINISTERED BY THE CITY OF ST. GEORGE.
3. CONTRACTOR SHALL POTHOLE ALL PIPELINES AND VERIFY LOCATION AND DEPTH PRIOR TO PROCEEDING WITH ANY BUILDING OR PIPELINE CONSTRUCTION.
5. THE POTABLE WATER SUPPLY TO LAWN IRRIGATION SYSTEMS SHALL BE PROTECTED AGAINST BACK FLOW PER THE "INTERNATIONAL PLUMBING CODE (IPC)" SECTION 608.16.5 AND FOR FIRE SPRINKLER SYSTEMS PER (IPC) 608.16.4.
5. ALL BACK FLOW ASSEMBLY INSTALLATION AND TEST REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF ST. GEORGE BACK FLOW ORDINANCE 9-1-1997-5-6-5.
6. 14 GAUGE WIRE SHALL BE TAPED TO ALL WATER LINES FOR LOCATING PURPOSES. THE WIRE SHALL ALSO BE BROUGHT UP AT EACH VALVE BOX & HYDRANT.
7. THRUST RESTRAINT ON THE NEW PIPELINE WILL BE AS SHOWN ON THE DETAILS. USE MEGA-LUG ON THE FITTINGS AND FIELD LOCK GASKETS ON THE REQUIRED LENGTH OF RESTRAINED PIPE.
8. ASPHALT REPLACED OVER THE PIPE TRENCHING IS TO MATCH EXISTING PAVEMENT DEPTHS WITH A 6" OVER CUT FROM EDGE OF THE TRENCH LINE ON EACH SIDE OF THE TRENCH.
9. CONTRACTORS SHALL CUT OFF AND CAP (BACK AT THE WATER MAIN), ALL EXISTING SERVICE LINES OR UN-USED STUB LINES THAT WILL BE ABANDONED.
10. ANY CHANGE MADE IN THE FIELD MUST BE FIRST APPROVED AND DOCUMENTED BY THE CITY OF ST. GEORGE WATER SERVICES ENGINEER.

PHONE NOTES

1. DEVELOPER TO PROVIDE ALL TRENCH AND (1) 4" CONDUIT. 2. INSTALL A PULL STRING IN ALL CONDUIT
3. PROVIDE A #6 SOLID GROUND WIRE TO QWEST DEMARCATION POINT. IF TERMINAL IS INSIDE A 4'x4' ¾" PLYWOOD BACKBOARD IS REQUIRED.
4. CONTACT A QWEST ENGINEER (ZACH) AT 673-9839 45 DAYS BEFORE ANY SERVICE IS REQUIRED TO SET UP SITE VISIT AND REPORT ANY CHANGES TO J.U.C. APPROVED PLANS
5. ANY PLANT RELOCATIONS ASSOCIATED WITH THE NEW DEVELOPMENT WILL BE BILLABLE TO THE OWNER/DEVELOPER AND MUST BE SCHEDULED A MINIMUM OF 3 WEEKS IN ADVANCE

POWER NOTES

1. TRANSFORMER AND POWER SERVICE FROM DIXIE STATE COLLEGE SYSTEM. SEE ELECTRICAL DRAWINGS.
2. THE POWER DESIGN ON THIS UTILITY PLAN IS CONSIDERED BY ST. GEORGE ENERGY SERVICES (SGES) AS PRELIMINARY AND NON-BIDABLE UNTIL ACCOMPANIED BY A JUC APPROVAL STAMP.
3. ALL PRIMARY UNDERGROUND WORK/INSTALLATION MUST BE COMPLETED BY A CONTRACTOR THAT HAS BEEN PRE-QUALIFIED BY SGES AND MEET ALL SGES STANDARDS. ALL OVERHEAD WORK/INSTALLATION MUST BE COMPLETED BY SGES.
4. ALL WORK DONE BY SGES WILL BE BILLABLE TO THE DEVELOPER.
5. IT IS THE RESPONSIBILITY OF THE DESIGN ENGINEER TO PROVIDE LOCATION AND ELEVATION OF ALL EXISTING AND DESIGN UNDERGROUND/OVERHEAD UTILITIES AND STRUCTURES THAT WILL IMPACT THE SGES POWER DESIGN.
6. ALL JUC TRENCHES WILL BE BACKFILLED AND COMPACTED IN 6" TO 8" LIFTS TO A COMPACTION OF 95% IN ROADWAYS/SIDEWALKS AND 90% BEHIND SIDEWALKS. TESTING IS TO BE DONE AT MIDDLE AND TOP OF TRENCH.
7. ALL CHANGES TO EXISTING GRADES NEAR EXISTING POWER UTILITIES MUST BE APPROVED BY SGES PRIOR TO CONSTRUCTION.
8. ANY IN-FIELD CHANGES TO THE JUC APPROVED POWER DESIGN WILL BE AT THE DEVLELOPER'S EXPENSE AND MUST BE PRE-APPROVED AND DOCUMENTED BY SGES PRIOR TO INSTALLATION.

CABLE NOTE

1. DEVELOPER/CONTRACTOR WILL PROVIDE ALL REQUIRED TRENCH.
2. BAJA BROADBAND WILL PROVIDE ALL REQUIRED INNER-DUCT. CONTACT ROGER AT 435-703-0215 AT LEAST 48 HRS PRIOR TO OPENING TRENCH TO SCHEDULE.
3. DEVELOPER/CONTRACTOR WILL PROVIDE ALL ADDRESSES TO TCS, BAJA BROADBAND CONSTRUCTION CONTRACTOR, WITHIN 3 WEEKS AFTER FINAL APPROVAL.
4. FAILURE TO COMPLETE 1-3 ABOVE COULD CAUSE DELAYS IN SERVICE.
5. FOR GENERAL QUESTIONS CONTACT RANDALL LOPEZ, BAJA BROADBAND AT 435-705-6006.
6. RELOCATION OF BAJA BROADBAND FACILITIES AFTER JOINT TRENCH PLACEMENT WILL BE 100% BILLABLE TO THE DEVELOPER/CONTRACTOR.
7. DAMAGE TO BAJA BROADBAND FACILITIES AFTER INSTALLATION WILL BE 100% BILLABLE TO THE DEVELOPER/CONTRACTOR.

WASTEWATER NOTES

1. NO SEWERS UNDER 9' DEEP UNLESS APPROVED BY THE CITY OF ST. GEORGE WASTEWATER DEPARTMENT.
2. ANY SEWERS NOT IN PUBLIC STREETS SHALL SHOW RECORDED EASEMENTS.
3. BUILDINGS MAY REQUIRE INTERCEPTORS AT LATER DATE.
4. ALL SEWER MANHOLES SHALL HAVE CITY OF ST. GEORGE LOGO LIDS FOR FINAL INSPECTION.

QUESTAR GAS NOTES

1. DEVELOPER NEEDS TO CONTACT BECKY MARCHAL AT 674-6116 QUESTAR'S GAS MARKETING DEPARTMENT PRIOR TO BREAKING GROUND FOR GAS SIGN UP.
2. DEVELOPER WILL BE RESPONSIBLE TO GET ALL COMPACTION TEST DONE AT DEVELOPERS EXPENSE.
3. IF CASINGS ARE NEEDED, THEY ARE TO BE INSTALLED BY DEVELOPER AT HIS/HER COST. A MAP WILL BE AVAILABLE AT QUESTAR GAS FOR CASING LOCATIONS(1155 E. 350 N.).
4. ALL OF THE 10' UTILITY EASMENTS BACK OF SIDEWALK WILL BE GRADED TO WITHIN 6 INCHES OF TOP BACK OF CURB BEFORE GAS LINES WILL BE INSTALLED.
5. DEVELOPER WILL BE RESPONSIBLE FOR THE COSTS OF ANY GAS LINES TO BE LOWERED AND/OR RELOCATED AFTER INSTALLATION.
6. ALL TRENCHES SHALL BE BACKFILLED AND ALL DEBRIS, CONSTRUCTION MATERIALS AND EXCESS DIRT PILES SHALL BE CLEARED AWAY.
7. PROPERTY LOT LINES, BACK OF CURB AND GRADE MUST BE STAKED BY DEVELOPER BEFORE GAS WILL BE INSTALLED.
8. WATER AND SEWER LINES, CULVERTS OR OTHER HAZARDS NOT CLEARLY NOTICEABLE SHALL BE STAKED BY DEVELOPER.
9. FAILURE TO COMPLY WITH THE ABOVE NOTES WILL RESULT IN DELAY OF GAS SERVICE TO THIS PROJECT. CONTACT DJ (435-674-6154) TWO WEEKS PRIOR FOR SCHEDULING.

IMPORTANT NOTICE

10. GAS WILL BE PUT ON SCHEDULE FOR INSTALLATION WHEN POWER TRENCH IS BURIED. STREETS ARE TO BE WITHIN 6" OF SUBGRADE AND THE 10' UTILITY EASMENT IS GRADED TO TOP BACK OF CURB.

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

REGISTERED PROFESSIONAL ENGINEER
12/3/10
NO. 4855703
GLEN E. CHENARTAN
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Job # 09625
CAD File 581-09-MST.dwg
Drawn JTM Checked GEC
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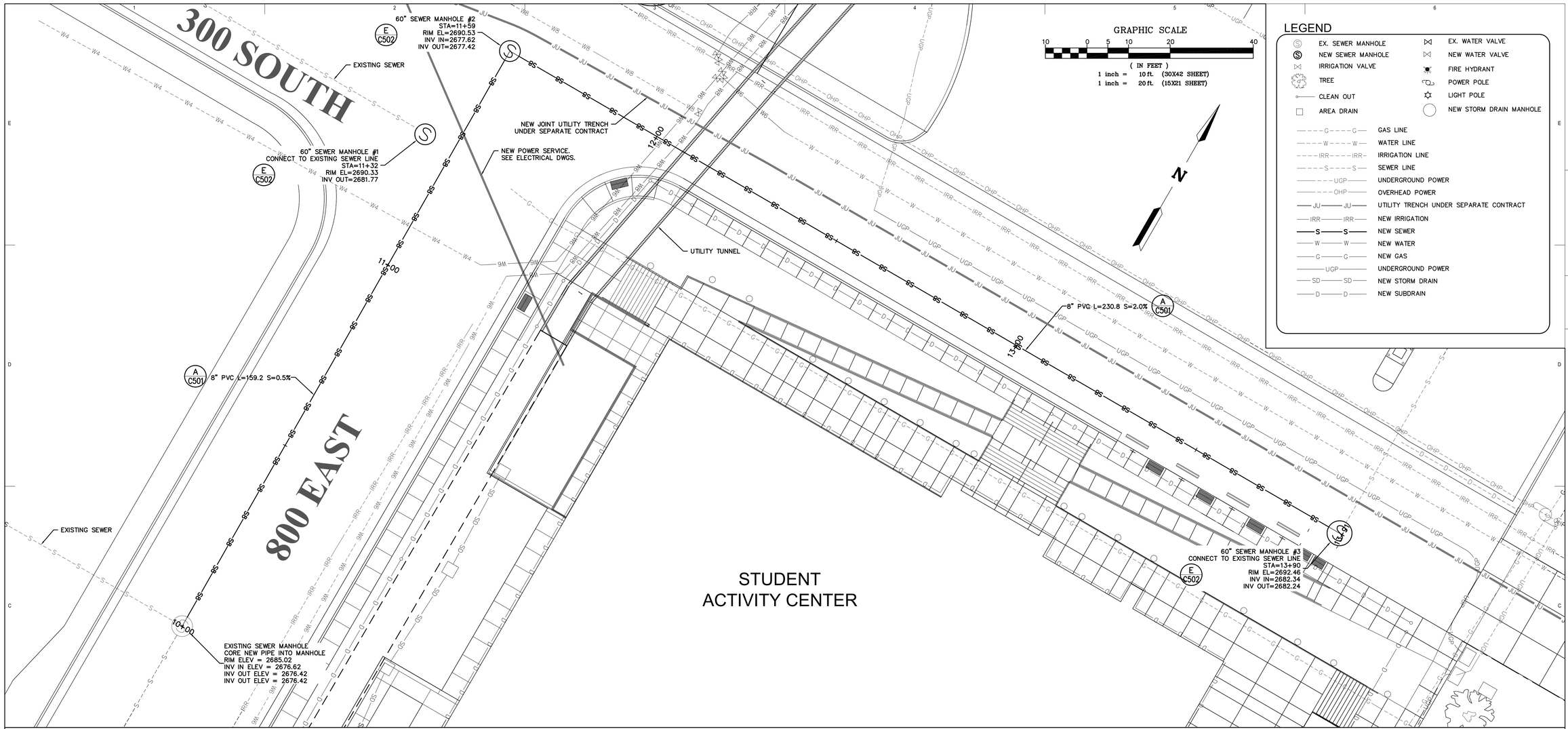
Ins. #

ALPHA ENGINEERING COMPANY
43 SOUTH 100 EAST, ST. GEORGE, UT. 84770
TEL: 435-628-6500 FAX: 435-628-6553

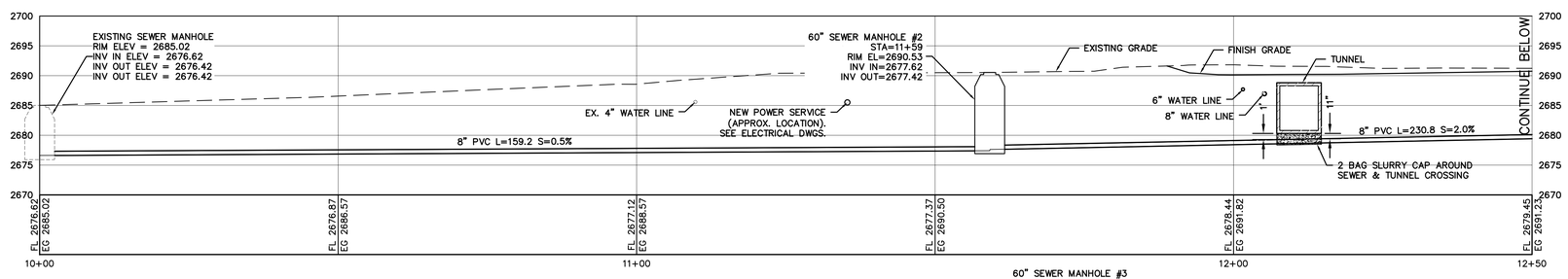
UTILITY PLAN

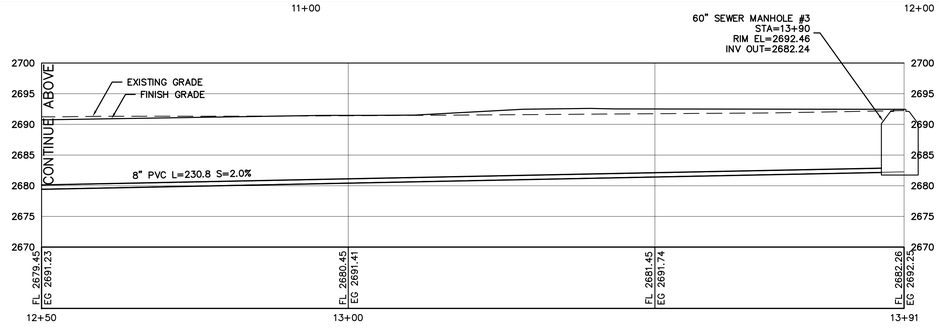
C201



LEGEND

EX. SEWER MANHOLE	EX. WATER VALVE
NEW SEWER MANHOLE	NEW WATER VALVE
IRRIGATION VALVE	FIRE HYDRANT
TREE	POWER POLE
CLEAN OUT	LIGHT POLE
AREA DRAIN	NEW STORM DRAIN MANHOLE
GAS LINE	
WATER LINE	
IRRIGATION LINE	
SEWER LINE	
UNDERGROUND POWER	
OVERHEAD POWER	
UTILITY TRENCH UNDER SEPARATE CONTRACT	
NEW IRRIGATION	
NEW SEWER	
NEW WATER	
NEW GAS	
UNDERGROUND POWER	
NEW STORM DRAIN	
NEW SUBDRAIN	





SEWER PROFILE

SCALE: 1" = 10' (30x42)
NO VERTICAL EXAGGERATION

NOTICE!

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SASAKI

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REGISTERED PROFESSIONAL ENGINEER 12/3/10 NO. 4855703 GLEN E. CORNAFAY STATE OF UTAH

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
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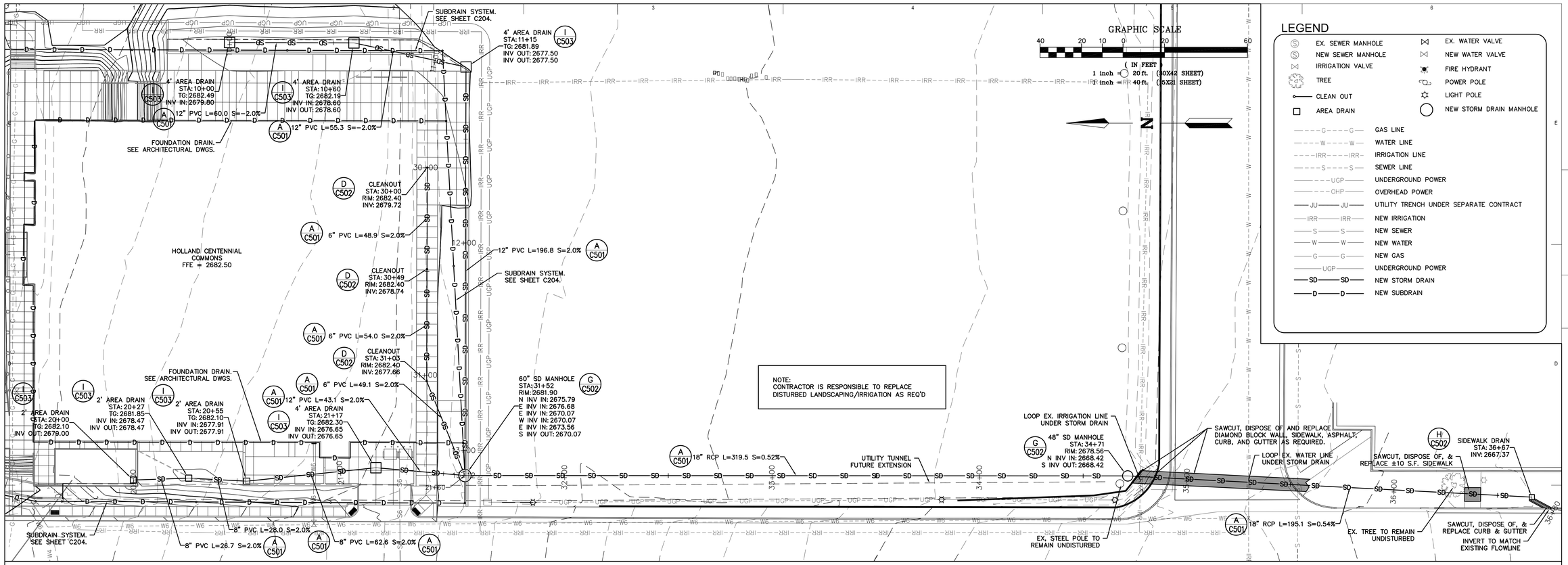
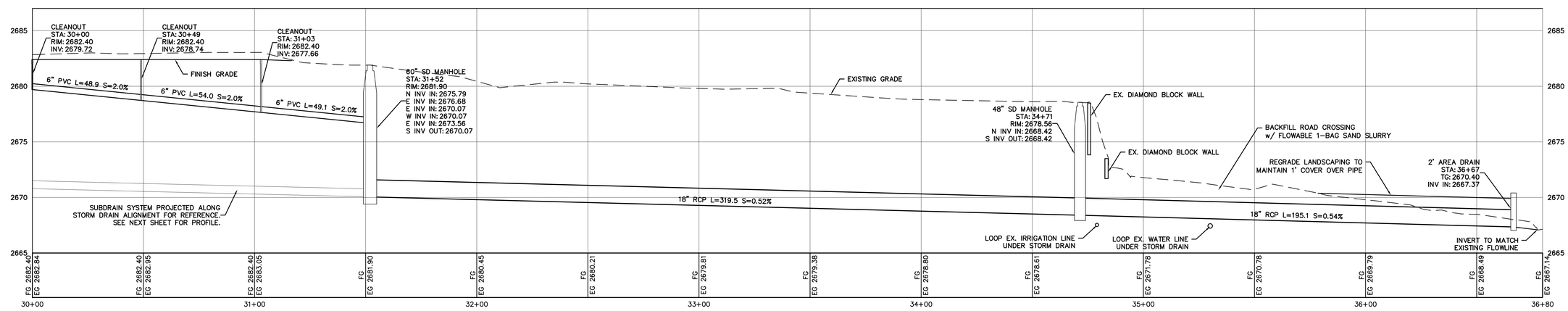
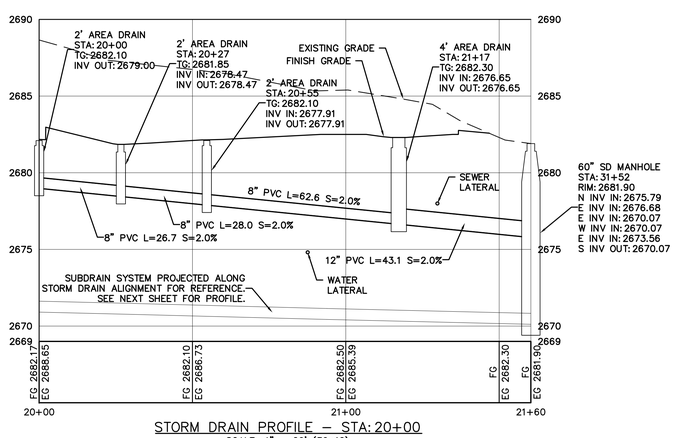
SEWER PLAN & PROFILE

C202

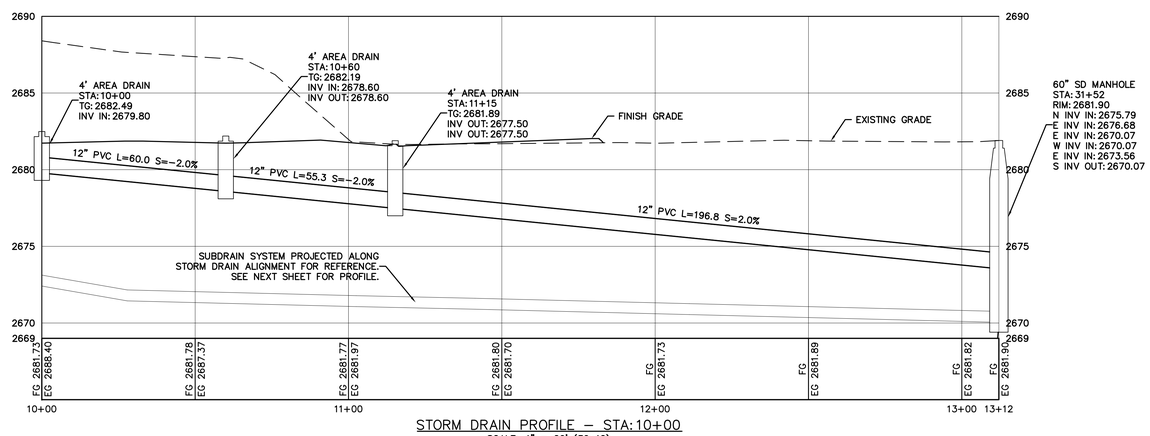




STORM DRAIN PROFILE – STA: 30+00
SCALE: 1" = 20' (30x42)
5x VERTICAL EXAGGERATION



STORM DRAIN PROFILE – STA: 20+00
SCALE: 1" = 20' (30x42)
5x VERTICAL EXAGGERATION



STORM DRAIN PROFILE – STA: 10+00
SCALE: 1" = 20' (30x42)
5x VERTICAL EXAGGERATION

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REGISTERED PROFESSIONAL ENGINEER 12/3/10 NO. 4855703 GLEN E. GERMAN STATE OF UTAH

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
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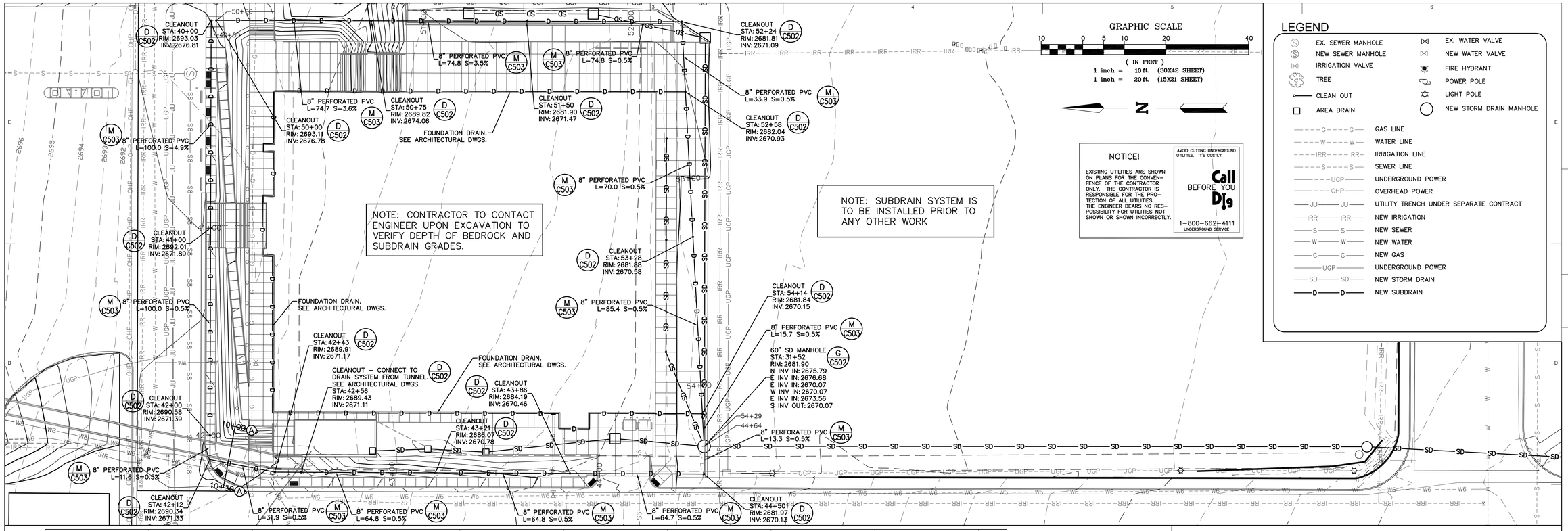
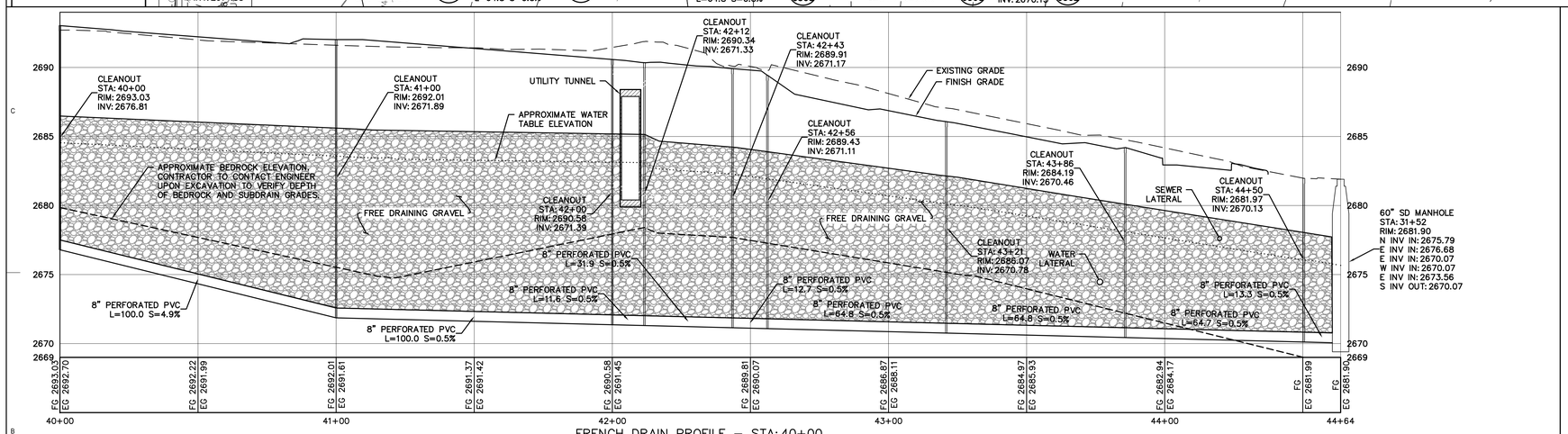
STORM DRAIN PLAN & PROFILE

C203



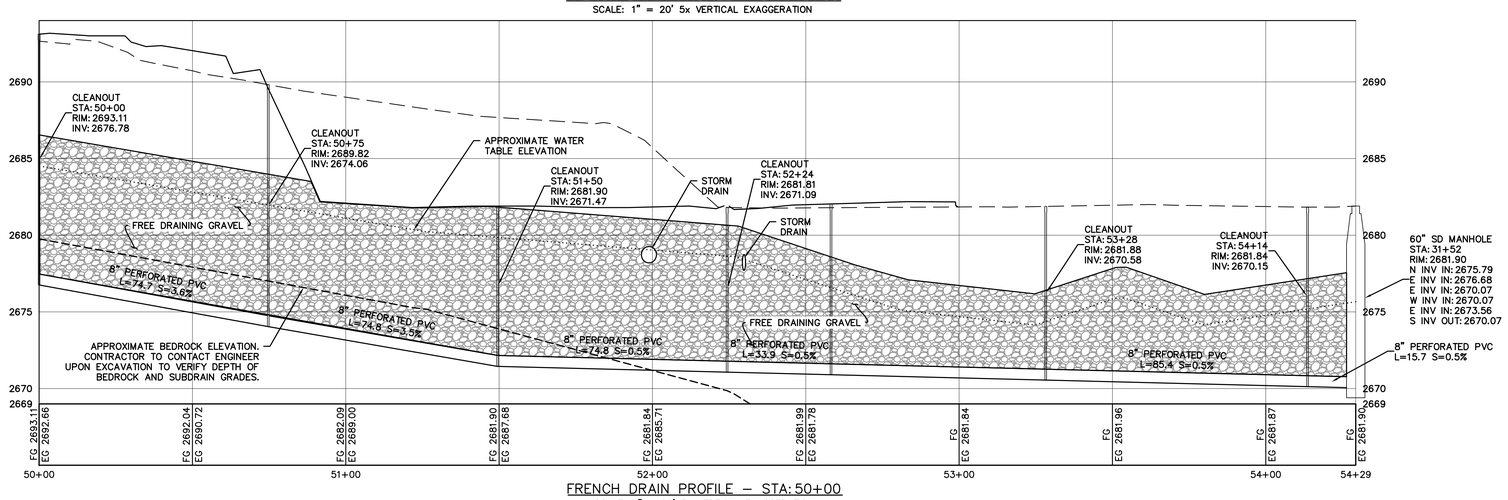
LEGEND

EX. SEWER MANHOLE	EX. WATER VALVE
NEW SEWER MANHOLE	NEW WATER VALVE
IRRIGATION VALVE	FIRE HYDRANT
TREE	POWER POLE
CLEAN OUT	LIGHT POLE
AREA DRAIN	NEW STORM DRAIN MANHOLE
G — G	GAS LINE
W — W	WATER LINE
IRR — IRR	IRRIGATION LINE
S — S	SEWER LINE
UGP	UNDERGROUND POWER
OHP	OVERHEAD POWER
JU — JU	UTILITY TRENCH UNDER SEPARATE CONTRACT
IRR — IRR	NEW IRRIGATION
S — S	NEW SEWER
W — W	NEW WATER
G — G	NEW GAS
UGP	UNDERGROUND POWER
SD — SD	NEW STORM DRAIN
D — D	NEW SUBDRAIN



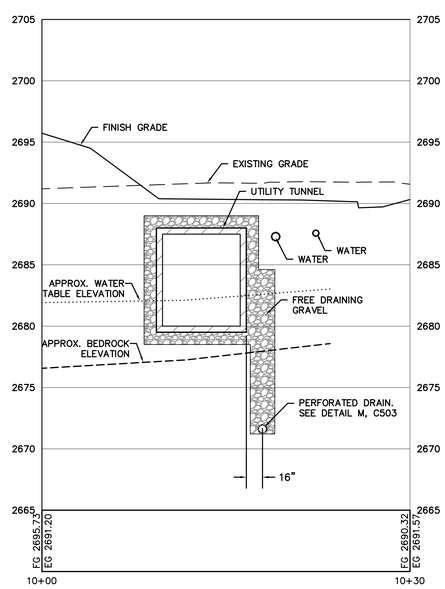
FRENCH DRAIN PROFILE – STA: 40+00

SCALE: 1" = 20' 5x VERTICAL EXAGGERATION



FRENCH DRAIN PROFILE – STA: 50+00

SCALE: 1" = 20' 5x VERTICAL EXAGGERATION



SECTION A–A

SCALE: 1" = 5' 5x VERTICAL EXAGGERATION

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

REGISTERED PROFESSIONAL ENGINEER 12/3/10 NO. 4855703 GLEN E. CHENARTAN STATE OF UTAH

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #06297640

DIXIE COLLEGE, ST. GEORGE, UT

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SUBDRAIN PLAN & PROFILE

C204

NOTES:
1. SEE SHEETS AS500, ES102, SS501, AND MPE203 FOR ADDITIONAL INFORMATION ON TUNNEL.
2. SEE SHEET C201, C202, C203, AND C204 FOR UTILITY INFORMATION.
3. SEE SHEET C206 FOR ADDITIONAL DETAIL ON TUNNEL UTILITY CROSSINGS.

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft. (30X42 SHEET)
1 inch = 20 ft. (15X21 SHEET)

N

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UNDERGROUND SERVICE

LEGEND

EX. SEWER MANHOLE	EX. WATER VALVE
NEW SEWER MANHOLE	NEW WATER VALVE
IRRIGATION VALVE	FIRE HYDRANT
TREE	POWER POLE
CLEAN OUT	LIGHT POLE
AREA DRAIN	NEW STORM DRAIN MANHOLE
GAS LINE	ABANDONED WATER LINE
WATER LINE	ABANDONED IRRIGATION LINE
IRRIGATION LINE	NEW UTILITY TUNNEL
SEWER LINE	
OVERHEAD POWER	
UNDERGROUND POWER	
UTILITY TRENCH UNDER SEPARATE CONTRACT	
NEW IRRIGATION	
NEW SEWER	
NEW WATER	
NEW GAS	
UNDERGROUND POWER	
NEW STORM DRAIN	
NEW SUBDRAIN	

HOLLAND CENTENNIAL COMMONS

EX. TUNNEL

13+00

14+00

15+00

16+00

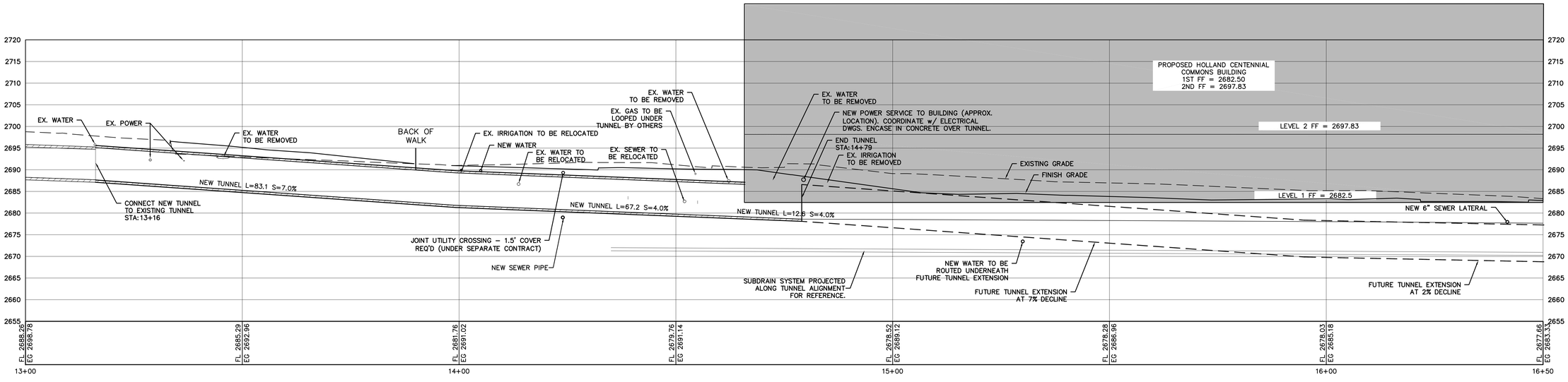
TUNNEL

FUTURE TUNNEL EXTENSION

NEW POWER SERVICE TO BUILDING (APPROX. LOCATION). COORDINATE w/ ELECTRICAL DWGS. ENCASE IN CONCRETE OVER TUNNEL.

RACQUETBALL COURTS

800 EAST



TUNNEL PROFILE
SCALE: 1" = 10'
NO VERTICAL EXAGGERATION

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

REGISTERED PROFESSIONAL ENGINEER
12/3/10
NO. 4855703
GLEN E. CHENARTAN
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TUNNEL PLAN & PROFILE

C205

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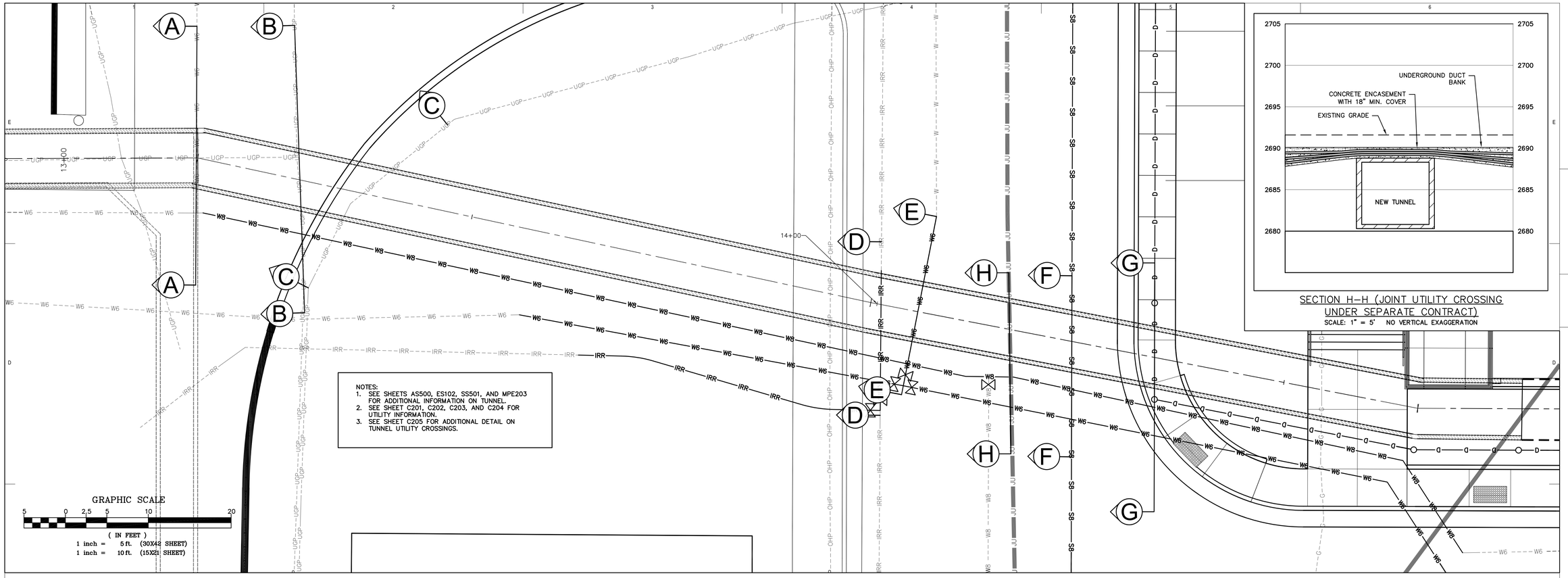
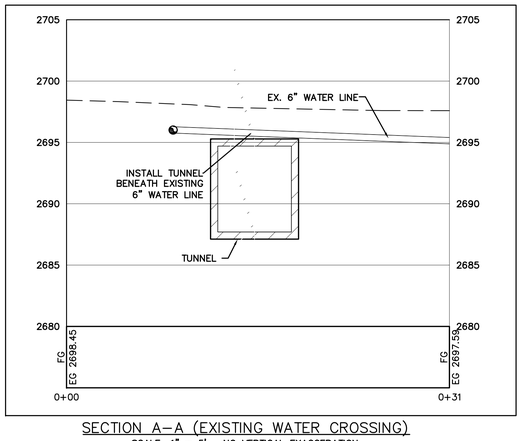
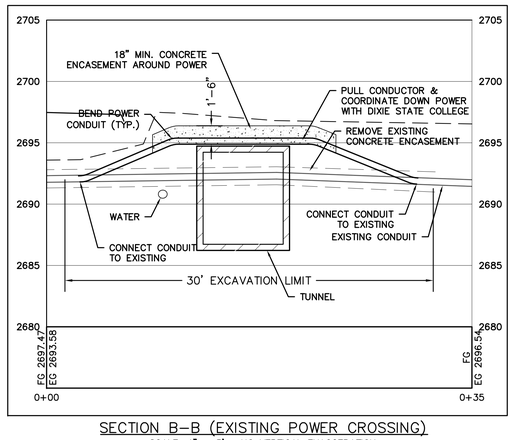


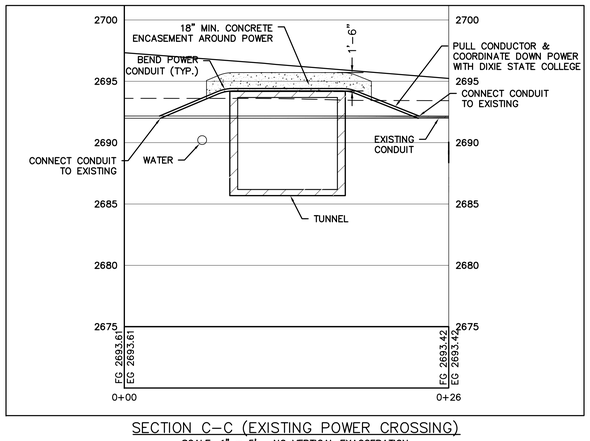
SECTION H–H (JOINT UTILITY CROSSING UNDER SEPARATE CONTRACT)
SCALE: 1" = 5' NO VERTICAL EXAGGERATION



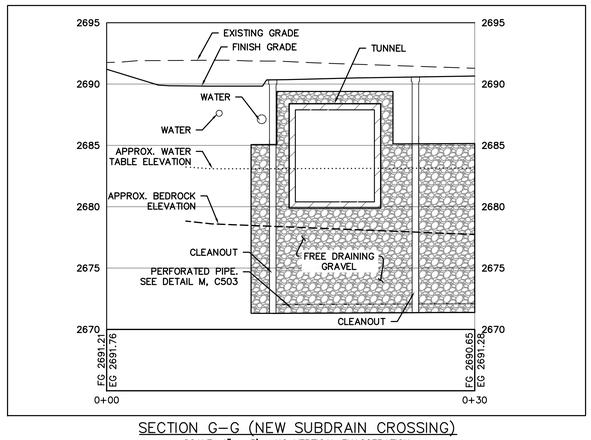
SECTION A–A (EXISTING WATER CROSSING)
SCALE: 1" = 5' NO VERTICAL EXAGGERATION



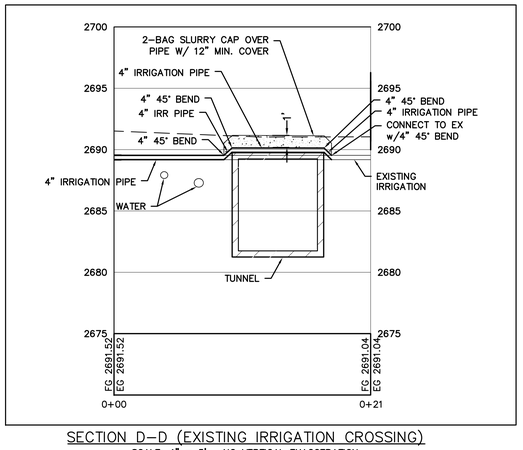
SECTION B–B (EXISTING POWER CROSSING)
SCALE: 1" = 5' NO VERTICAL EXAGGERATION



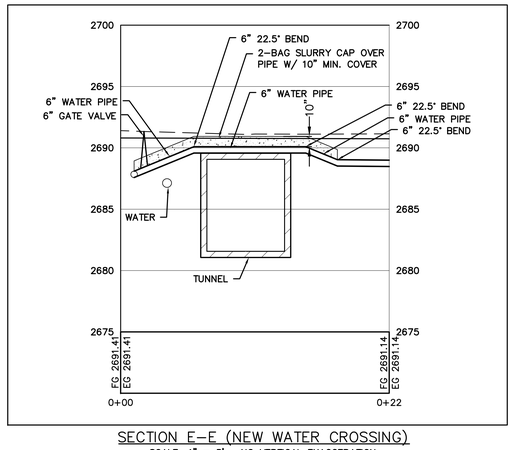
SECTION C–C (EXISTING POWER CROSSING)
SCALE: 1" = 5' NO VERTICAL EXAGGERATION



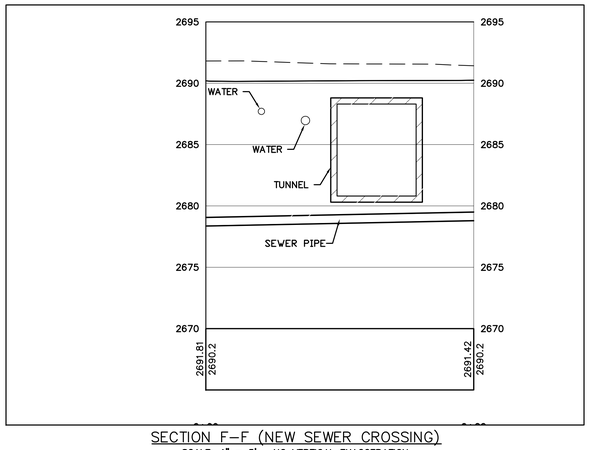
SECTION G–G (NEW SUBDRAIN CROSSING)
SCALE: 1" = 5' NO VERTICAL EXAGGERATION



SECTION D–D (EXISTING IRRIGATION CROSSING)
SCALE: 1" = 5' NO VERTICAL EXAGGERATION



SECTION E–E (NEW WATER CROSSING)
SCALE: 1" = 5' NO VERTICAL EXAGGERATION



SECTION F–F (NEW SEWER CROSSING)
SCALE: 1" = 5' NO VERTICAL EXAGGERATION

LEGEND

□	IRRIGATION BOX	⋈	EX. WATER VALVE
Ⓢ	SEWER MANHOLE	⋈	NEW WATER VALVE
⋈	IRRIGATION VALVE		FIRE HYDRANT
	TREE		POWER POLE
○	CLEAN OUT		LIGHT POLE
—G—G—			GAS LINE
—W—W—			WATER LINE
—IRR—IRR—			IRRIGATION LINE
—S—S—			SEWER LINE
—UGP—			ELECTRICAL LINE
—W8—W8—			NEW WATER
—IRR—IRR—			NEW IRRIGATION
—S8—S8—			NEW SEWER
—W–ABND—			EX. WATER TO BE ABANDONED
—IRR–ABND—			EX. IRR. TO BE ABANDONED

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Date 12/03/2010
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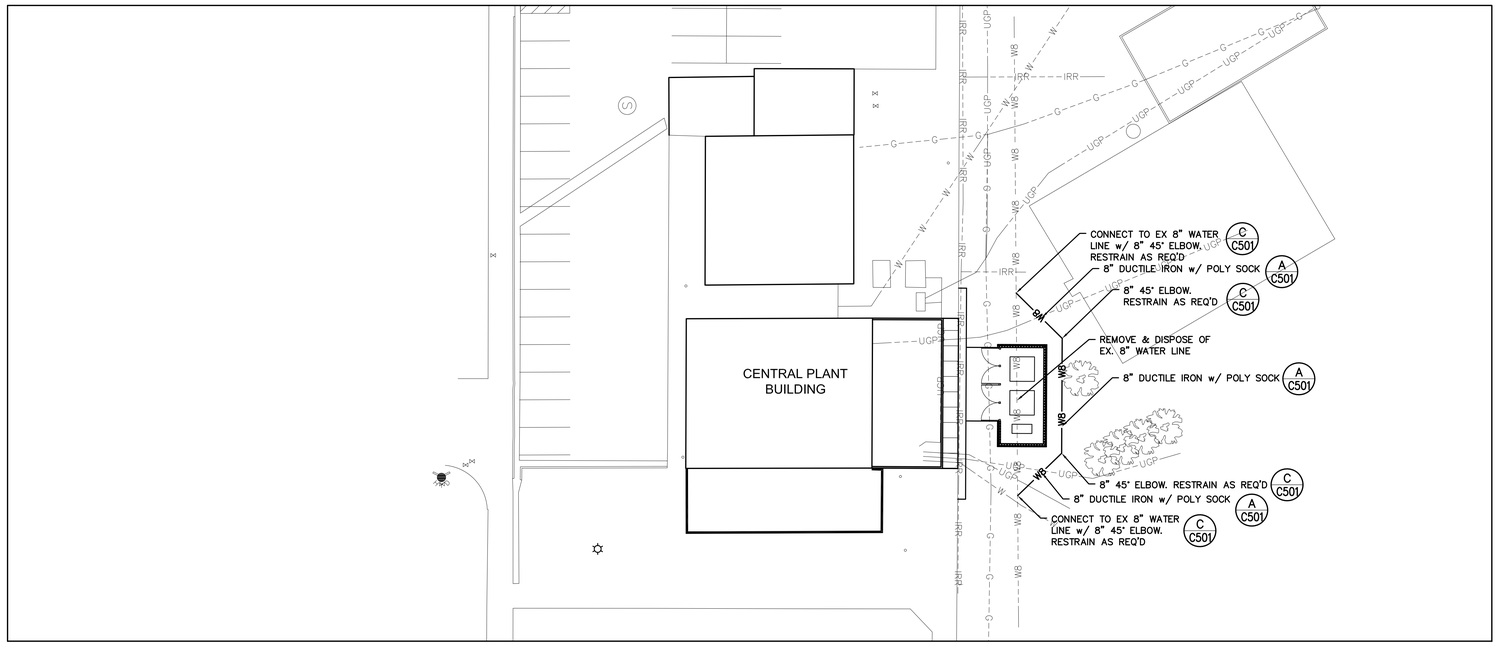
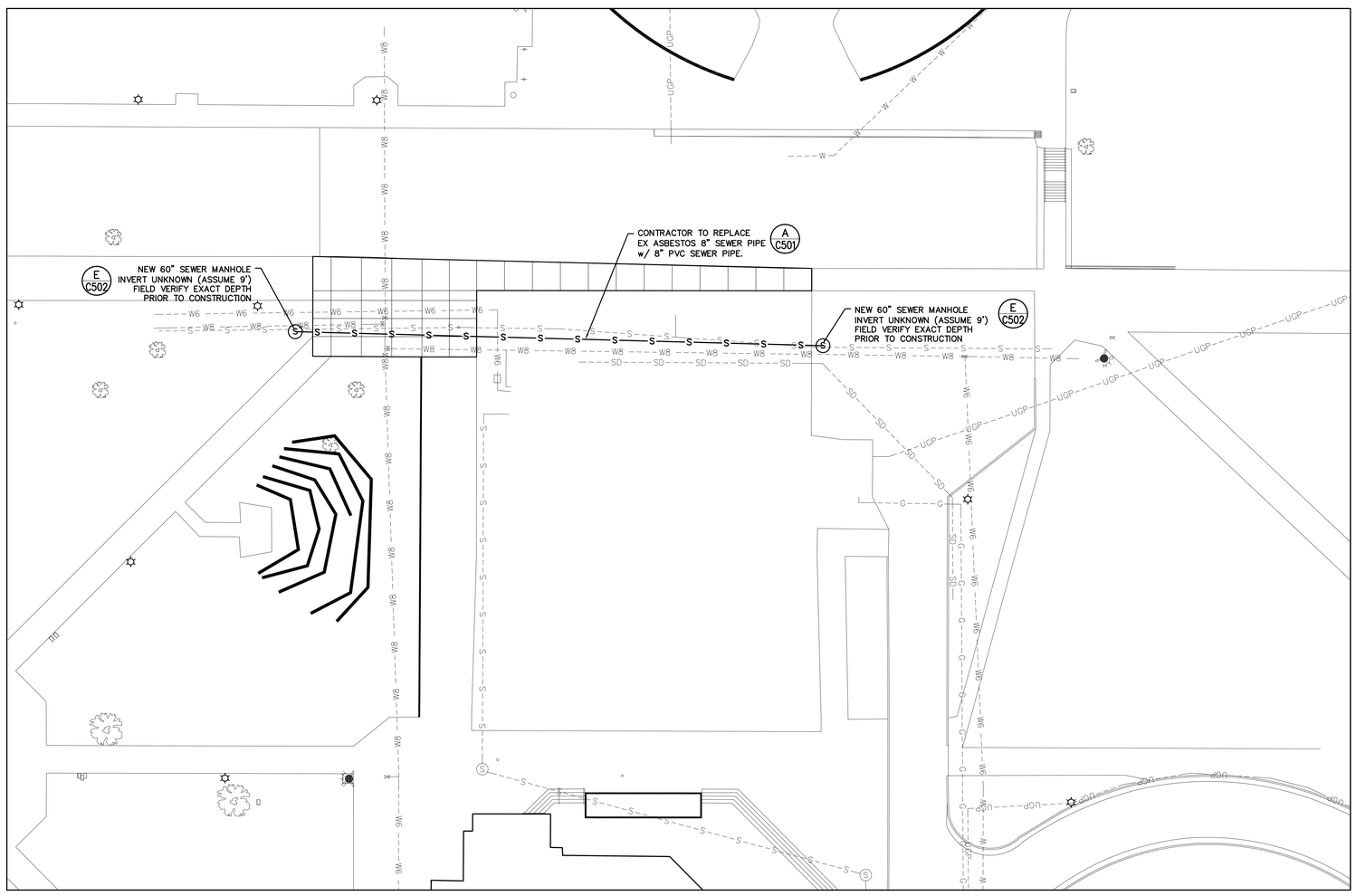
TUNNEL UTILITY CROSSINGS

C206



CENTRAL PLANT BUILDING



WHITEHEAD BUILDING

LEGEND

EX. SEWER MANHOLE	EX. WATER VALVE
NEW SEWER MANHOLE	NEW WATER VALVE
IRRIGATION VALVE	FIRE HYDRANT
TREE	POWER POLE
CLEAN OUT	LIGHT POLE
AREA DRAIN	NEW STORM DRAIN MANHOLE

G	GAS LINE
W	WATER LINE
IRR	IRRIGATION LINE
S	SEWER LINE
UGP	UNDERGROUND POWER
OHP	OVERHEAD POWER
JU	UTILITY TRENCH UNDER SEPARATE CONTRACT
IRR	NEW IRRIGATION
S	NEW SEWER
	NEW WATER
G	NEW GAS
UGP	UNDERGROUND POWER
	NEW STORM DRAIN
D	NEW SUB-DRAIN

GRAPHIC SCALE

40 20 10 0 20 60

(IN FEET)
1 inch = 20 ft. (30X42 SHEET)
1 inch = 40 ft. (15X21 SHEET)

N

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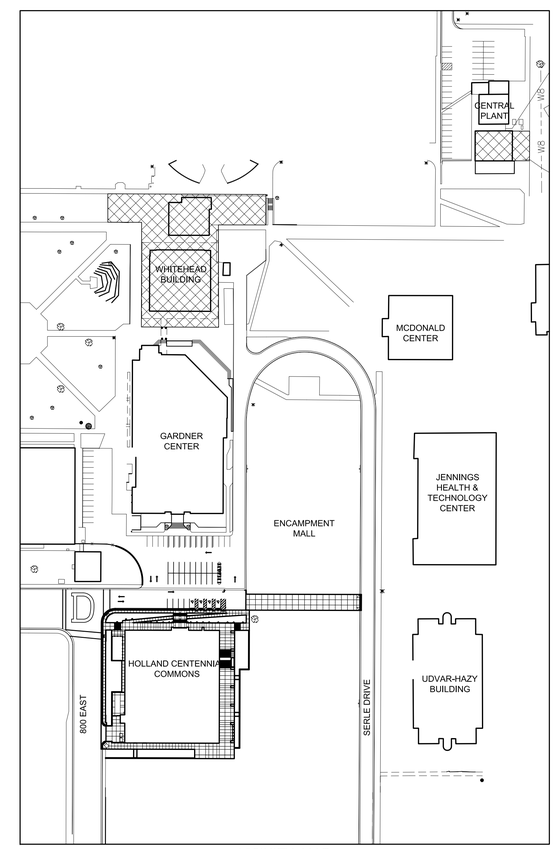
UNDERGROUND SERVICE



VICINITY MAP
SCALE: 1" = 100' (30x42)

ALPHA ENGINEERING COMPANY
43 SOUTH 100 EAST, ST. GEORGE, UT. 84770
TEL: 435-628-6500 FAX: 435-628-6553

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

REGISTERED PROFESSIONAL ENGINEER
12/3/10
NO. 4855703
GLEN E. CSERNATIN
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

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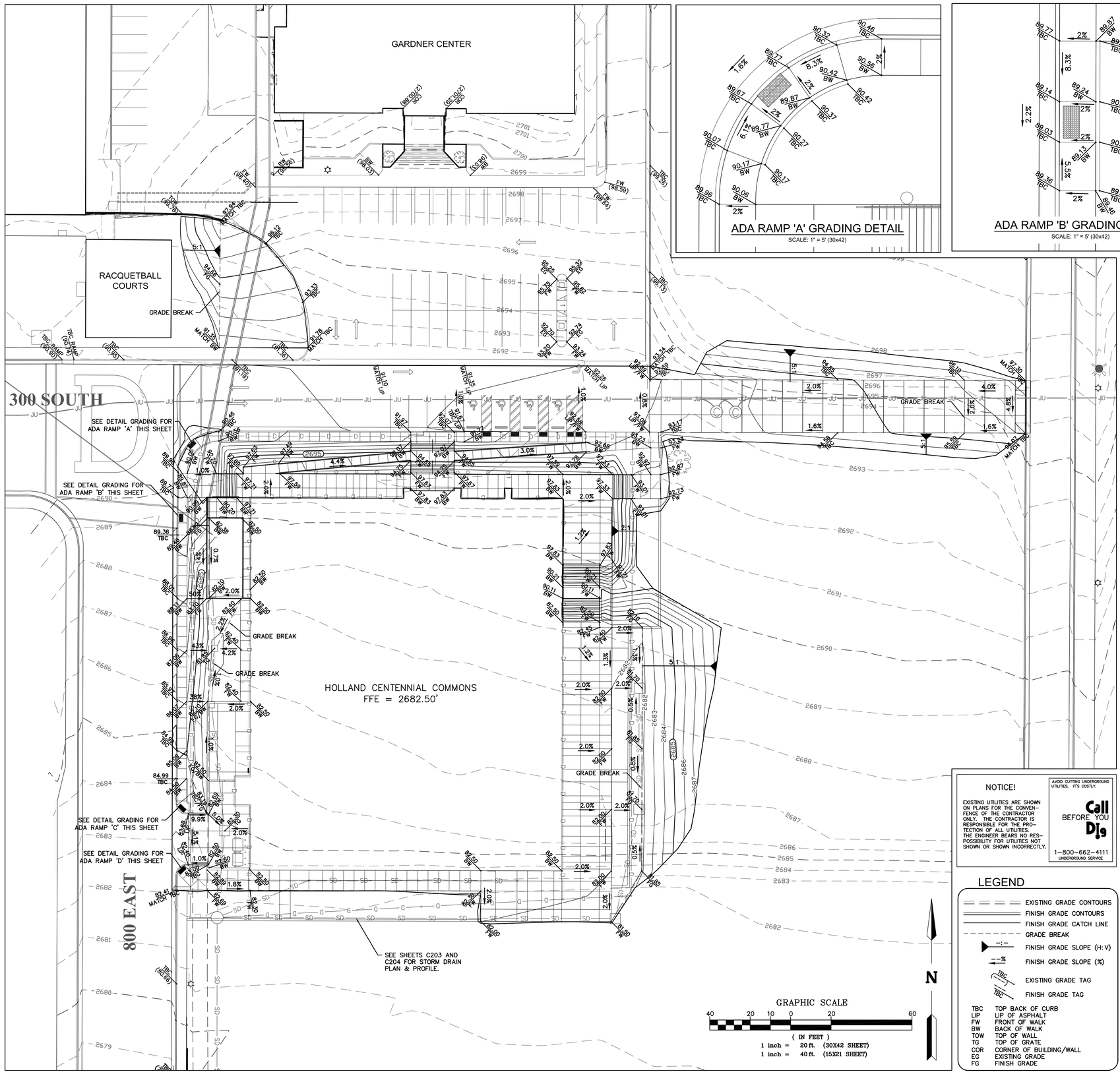
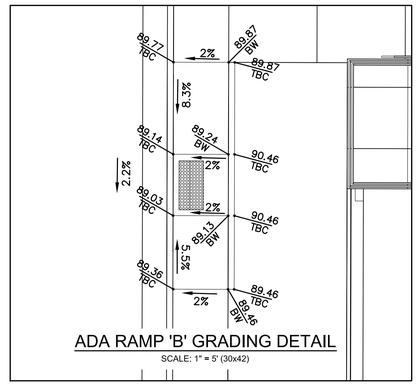
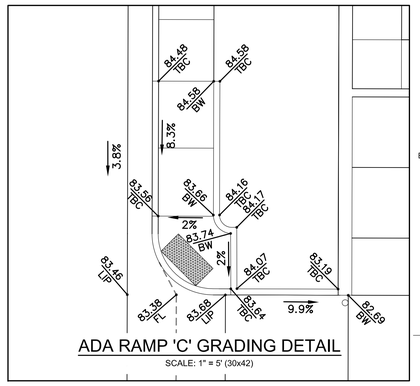
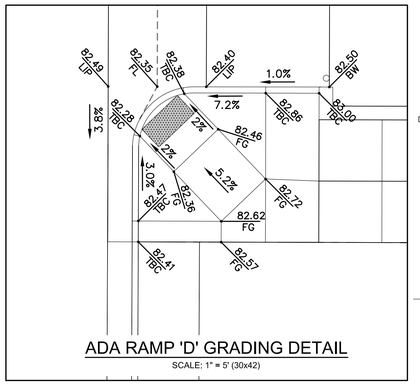
UTILITY PLAN - WHITEHEAD BUILDING & CHILLER ADDITION

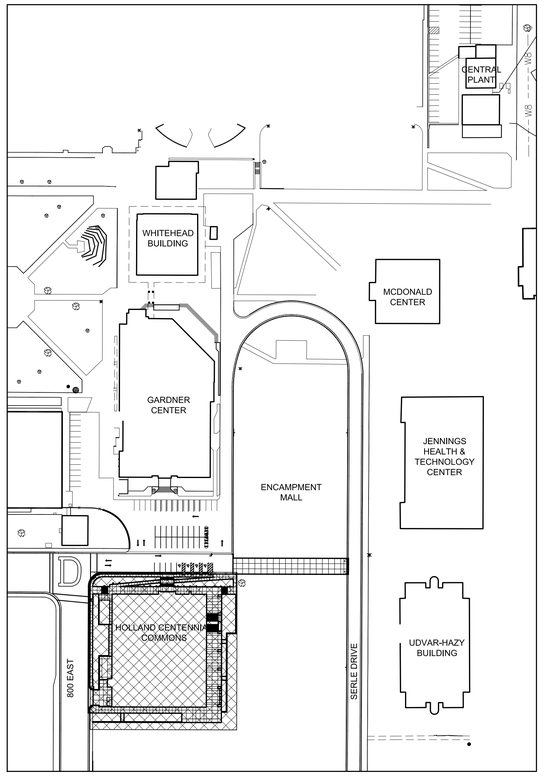
C207











VICINITY MAP
SCALE: 1" = 100' (30x42)

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UNDERGROUND SERVICE

LEGEND

- EXISTING GRADE CONTOURS
- FINISH GRADE CONTOURS
- FINISH GRADE CATCH LINE
- GRADE BREAK
- FINISH GRADE SLOPE (H:V)
- FINISH GRADE SLOPE (%)
- EXISTING GRADE TAG
- FINISH GRADE TAG

TBC	TOP BACK OF CURB
LIP	LIP OF ASPHALT
FW	FRONT OF WALK
BW	BACK OF WALK
TOW	TOP OF WALL
TG	TOP OF GRATE
COR	CORNER OF BUILDING/WALL
EG	EXISTING GRADE
FG	FINISH GRADE

GRAPHIC SCALE

40 20 10 0 20 60

(IN FEET)
1 inch = 20 ft. (30X42 SHEET)
1 inch = 40 ft. (15X21 SHEET)

HOLLAND CENTENNIAL COMMONS BUILDING

VCBO ARCHITECTURE
ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

REGISTERED PROFESSIONAL ENGINEER
12/3/10
NO. 4855703
GLEN E. CHENARTAN
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640

DIXIE COLLEGE, ST. GEORGE, UT
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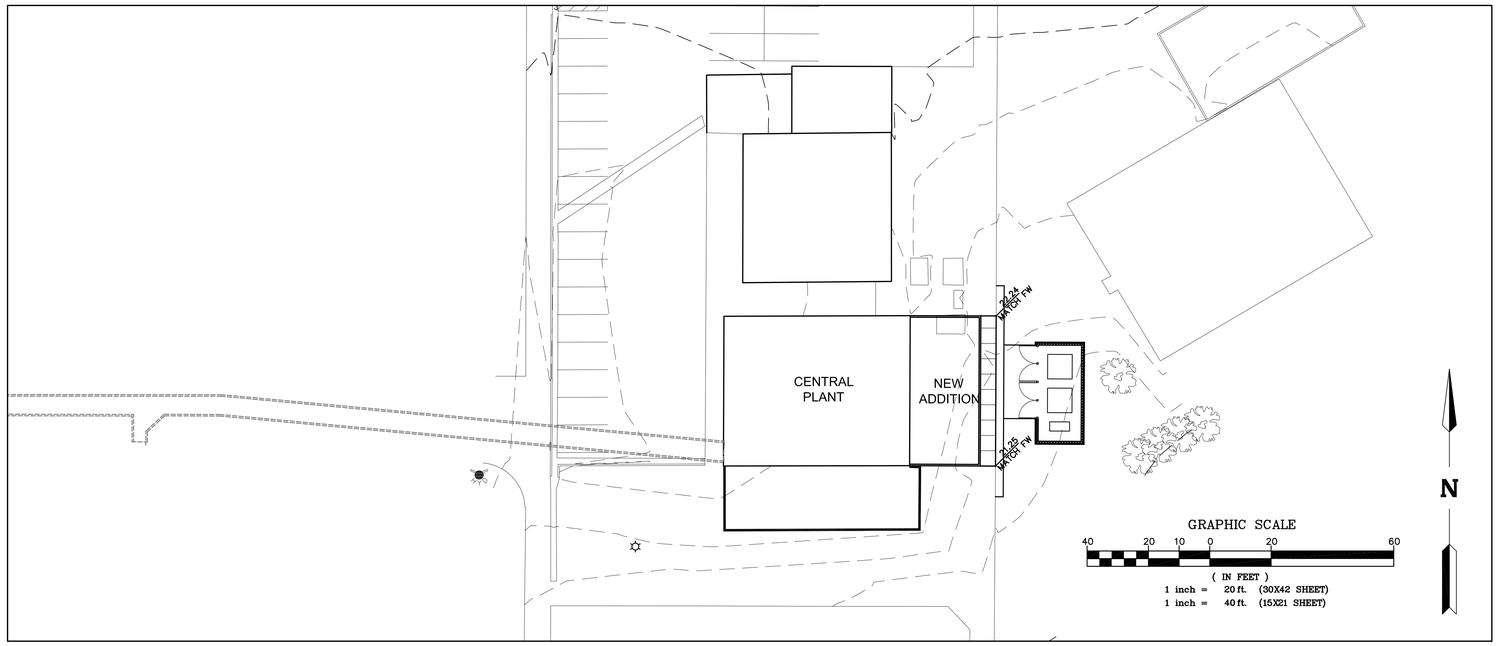
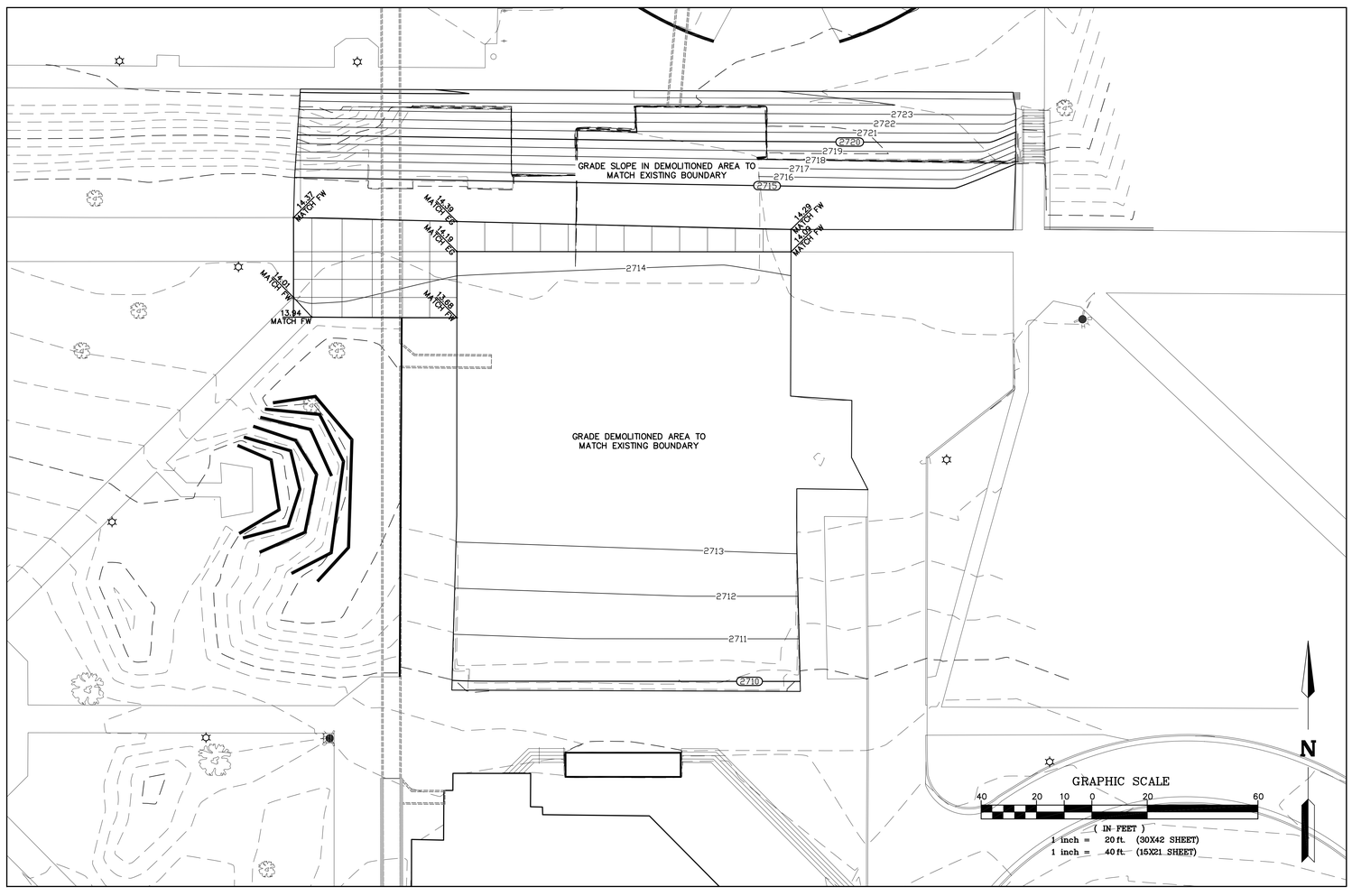
SITE GRADING PLAN - HOLLAND COMMONS

C301

ALPHA ENGINEERING COMPANY
43 SOUTH 100 EAST, ST. GEORGE, UT, 84770
TEL: 435-628-6500 FAX: 435-628-6553



CENTRAL PLANT BUILDING



WHITEHEAD BUILDING

LEGEND

- EXISTING GRADE CONTOURS
- FINISH GRADE CONTOURS
- FINISH GRADE CATCH LINE
- GRADE BREAK
- FINISH GRADE SLOPE (H:V)
- FINISH GRADE SLOPE (%)
- EXISTING GRADE TAG
- FINISH GRADE TAG

TBC	TOP BACK OF CURB
LIP	LIP OF ASPHALT
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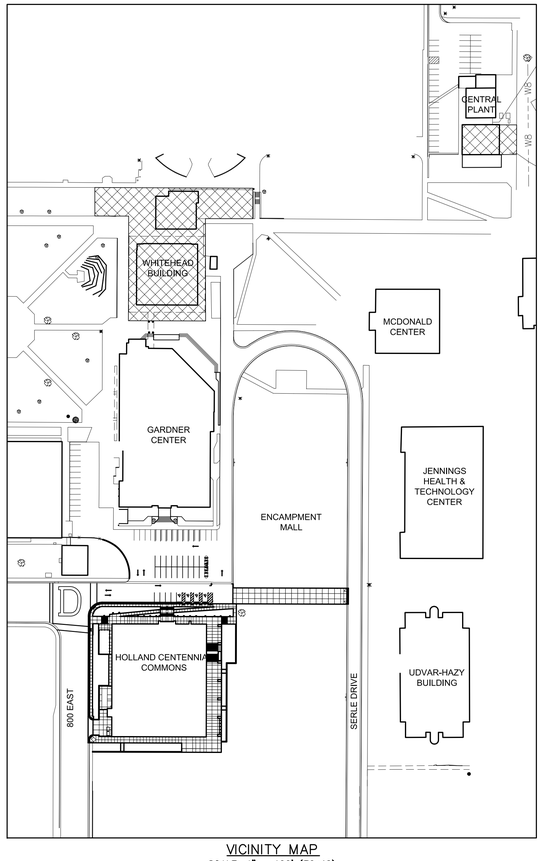

VICINITY MAP
SCALE: 1" = 100' (30x42)

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

REGISTERED PROFESSIONAL ENGINEER
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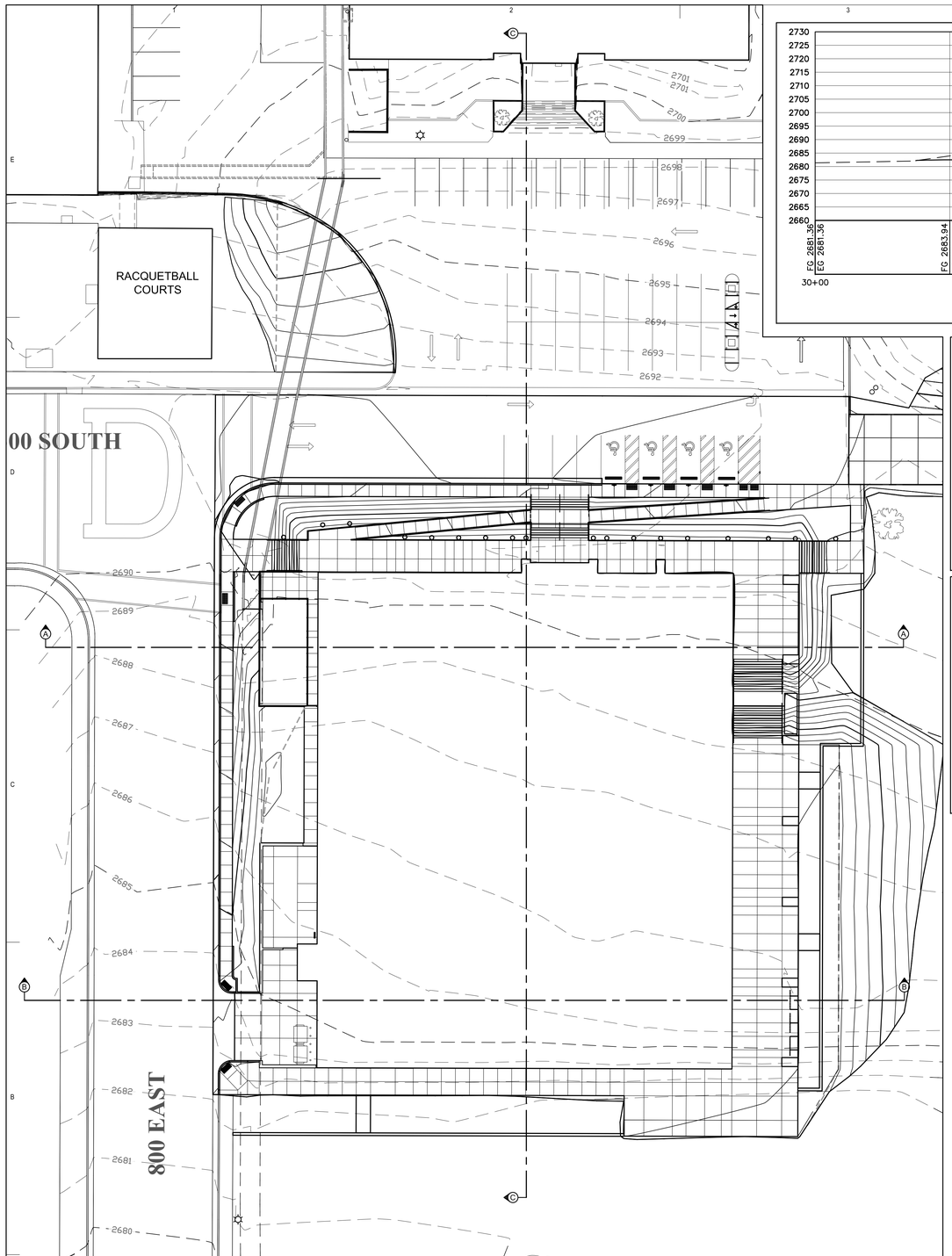
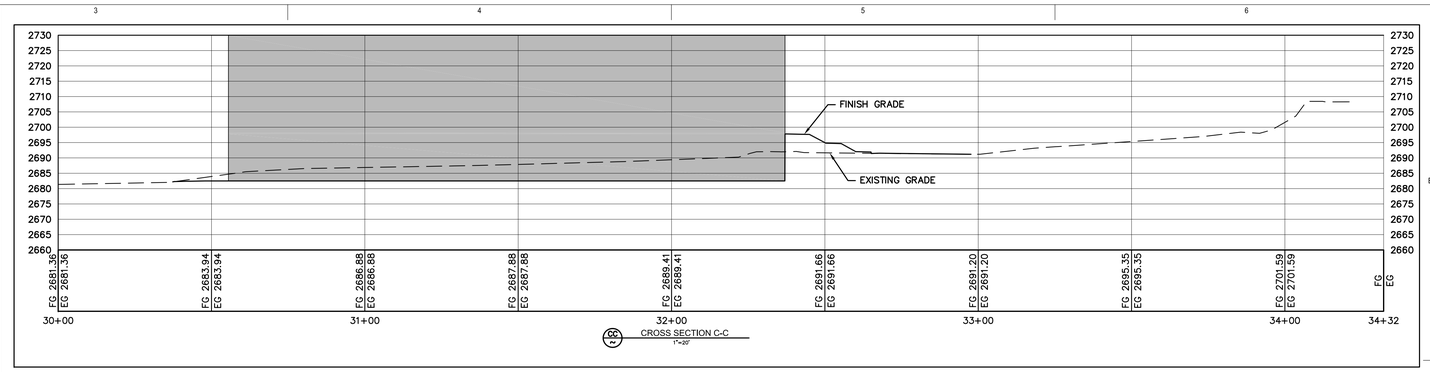
SITE GRADING PLAN - WHITEHEAD BUILDING & CHILLER ADDITION

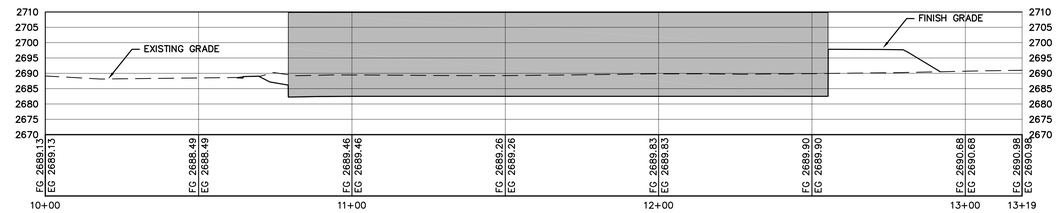
C302

ALPHA ENGINEERING COMPANY
43 SOUTH 100 EAST, ST. GEORGE, UT. 84770
TEL: 435-628-6500 FAX: 435-628-6553

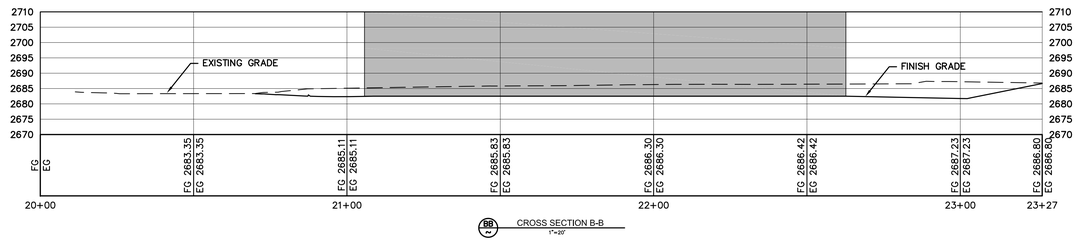




CC CROSS SECTION C-C
1"=20'



AA CROSS SECTION A-A
1"=20'



BB CROSS SECTION B-B
1"=20'

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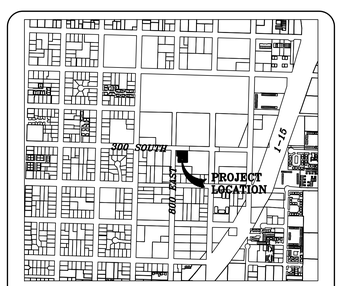
UNDERGROUND SERVICE

GRAPHIC SCALE

40 20 10 0 20 60

(IN FEET)
1 inch = 20 ft. (30X42 SHEET)
1 inch = 40 ft. (15X21 SHEET)

N



VICINITY MAP (1"=1000')

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

REGISTERED PROFESSIONAL ENGINEER
12/3/10
NO. 4855703
GLEN E. GERNAPIAN
STATE OF UTAH

VCBO ARCHITECTURE
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SALT LAKE CITY, UTAH 84102
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
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CROSS SECTIONS

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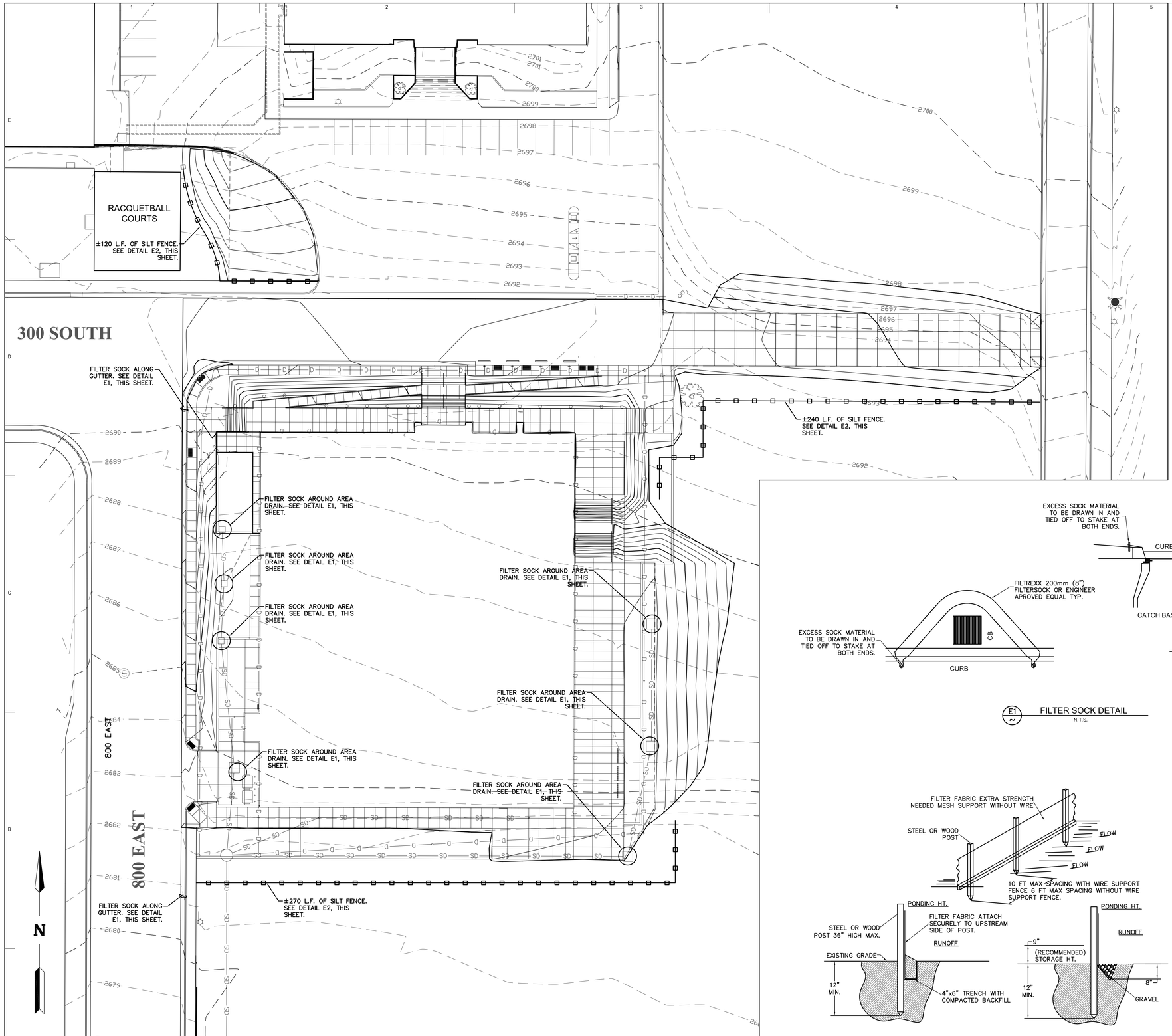

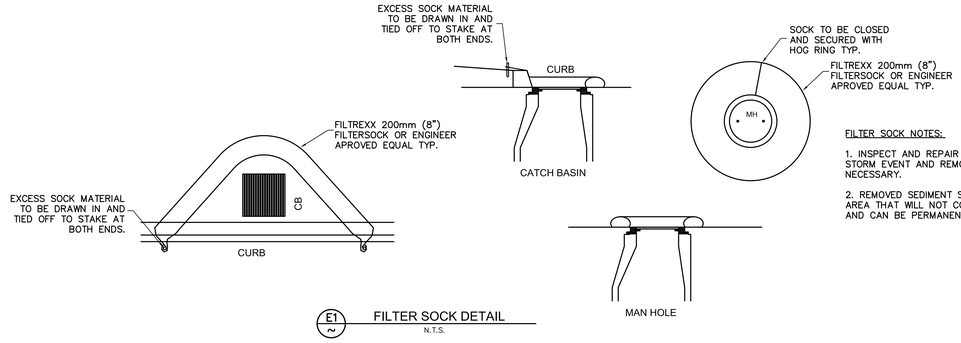

E1 FILTER SOCK DETAIL
N.T.S.

FILTER SOCK NOTES:

1. INSPECT AND REPAIR FILTER SOCK AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.

2. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

ALTERNATE DETAIL
TRENCH WITH GRAVEL

E3 SILT FENCE DETAIL
N.T.S.

SILT FENCE NOTES:

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.

2. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

3. SILT FENCE SHALL BE PLACED ON SLOPE CONDITIONS TO MAXIMIZE PONDING EFFICIENCY.

4. CONSTRUCTION SPECIFICATIONS:
THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 18". THE FENCE LINE SHALL FOLLOW THE CONTOUR AS CLOSELY AS POSSIBLE. IF POSSIBLE, THE FILTER FABRIC SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP AND BOTH ENDS SECURELY FASTENED TO THE POST.

5. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET. TURN THE ENDS OF THE FENCE UPHILL.

6. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 6 INCHES DEEP ALONG THE LINE OF POSTS AND UP-SLOPE FROM THE BARRIER.

7. WHEN STANDARD-STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UP-SLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

8. THE STANDARD-STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE AND 6 INCHES OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE EXTENDED TO EXISTING TREES.

9. WHEN EXTRA FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.

10. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE TOE OF THE FABRIC.

11. SILT FENCES PLACED AT THE TOE OF A SLOPE SHALL BE SET AT LEAST 6 FEET FROM THE TOE IN ORDER TO INCREASE PONDING VOLUME.

12. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UP-SLOPE AREA HAS BEEN STABILIZED, AND ANY SEDIMENT STORED BEHIND THE SILT FENCE HAS BEEN REMOVED.

13. INSPECTION AND MAINTENANCE:
SILT FENCES AND BARRIERS SHALL BE INSPECTED WEEKLY AND AFTER EACH SIGNIFICANT STORM (1" IN 24 HR.). ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/3 HEIGHT OF THE FENCE OR 9 INCHES MAXIMUM.

GRAPHIC SCALE
40 20 10 0 20 60
(IN FEET)
1 inch = 20 ft. (30X42 SHEET)
1 inch = 40 ft. (15X21 SHEET)

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL PROHIBIT SEDIMENT FROM LEAVING THE WORK SITE.
2. A DUST CONTROL PLAN SHALL BE USED TO MINIMIZE DUST ON SITE. A WATER TRUCK SHALL BE UTILIZED FOR DUST CONTROL AND SHALL BE ON SITE AT ALL TIMES DURING EXCAVATION OPERATIONS.

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
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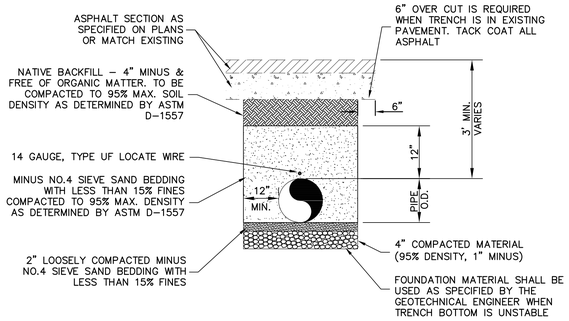
EROSION CONTROL PLAN

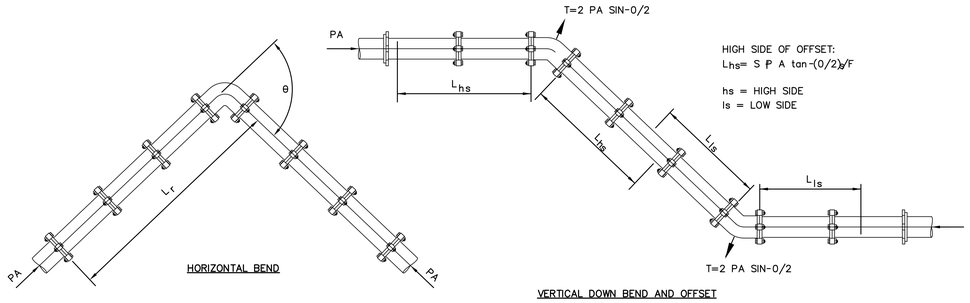
C401

ALPHA ENGINEERING COMPANY
43 SOUTH 100 EAST, ST. GEORGE, UT. 84770
TEL: 435-628-6500 FAX: 435-628-6553



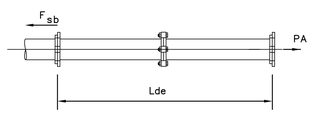
A ~ TYPICAL TRENCH DETAIL

N.T.S.



HIGH SIDE OF OFFSET:
$L_{hs} = S\ P\ A \tan(\theta/2)/F$

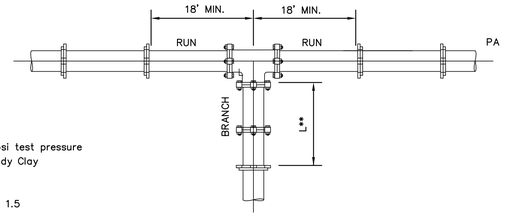
hs = HIGH SIDE
ls = LOW SIDE



DEAD END

DESIGN DATA:

Based on 200 psi test pressure
Soil Type = Sandy Clay
Burial 3 feet
Trench Type #3
Safety Factor = 1.5



STANDARD TEE

NOTES:

*1. VERTICAL BEND ANGLE RESTRAINED LENGTHS BASED ON 3 FEET OF COVER ON HIGH SIDE AND 6 FEET OF COVER ON LOW SIDE.

2. REFER TO CITY STANDARDS FOR ADDITIONAL REQUIREMENTS.

3. DEFLECTION ANGLES FOR DI w/ POLY SOCK PIPE LESS THAN 11.25° (AS SHOWN ON THE PLANS) SHALL BE ACCOMPLISHED BY DEFLECTING PIPE JOINTS A MAXIMUM OF 3 DEGREES FOR EACH 20 FT. LENGTH OF PIPE. THE CURVATURE RADIUS SHALL BE NO LESS THAN 450 FT. DEAD ENDS AND VALVES TO BE RESTRAINED FOR 218 FEET FOR 12"ø DI w/ POLY SOCK, 155 FEET FOR 8"ø DI w/ POLY SOCK, 83 FEET FOR 8"ø PVC, 62 FEET FOR 6"ø PVC, 44 FEET FOR 4"ø PVC.

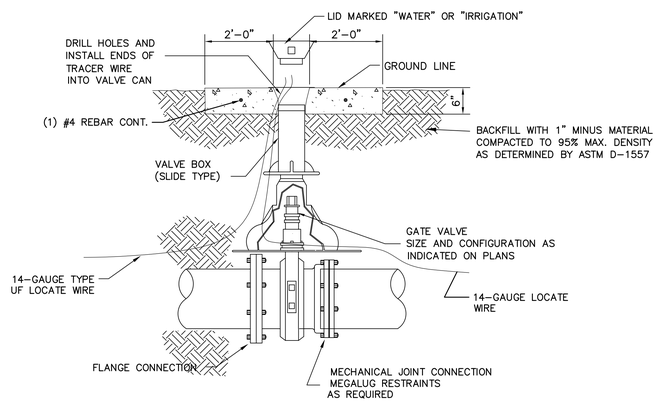
4. ALL FITTINGS, VALVES, BENDS, ETC. ARE TO HAVE JOINT RESTRAINTS AS REQUIRED BY CITY STANDARDS. THRUST BLOCKS MAY ONLY BE USED WHERE SPECIFICALLY NOTED ON THE PLANS.

STANDARD TEES FOR PVC PIPE

Run Size Diameter / Branch Size Diameter

	8	10	12	14	16	18	20	24
4	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*
8	1	*	*	*	*	*	*	*
10	9	10	*	*	*	*	*	*
12			28	12	1	*	*	*
14				24	30	12	3	*
16					61	48	35	10
18						77	65	41
20							93	70
24								124

* – ONLY RESTRAIN THE BRANCH OUTLET OF THE TEE.



GATE VALVE

NOTES;
1. CONCRETE PAD SHALL EXTEND 2'–0" BEYOND EACH VALVE BOX. ARROWS SHOWING DIRECTION OF FLOW, SIZE AND TYPE OF VALVE SHALL BE SCRIBED IN THE CONCRETE

2. ALL VALVES SHALL BE PRATT OR MUELLER.

3. VALVE CONFIGURATION TO BE AS SPECIFIED ON PLANS.

4. ALL VALVES TO BE RESTRAINED ACCORDING TO MEGALUG THRUST RESTRAINT DETAIL.

5. CONCRETE THRUST BLOCKS TO BE USED WHERE MEGALUG RESTRAINTS CANNOT BE INSTALLED ON EXISTING PIPE. ALL THRUST BLOCKS SHALL REQUIRE WRITTEN PERMISSION FROM THE ENGINEER PRIOR TO INSTALLATION

6. VALVE BOX RISERS TO BE CENTERED ON THE VALVE NUT AND INSTALLED VERTICALLY PLUMB.

B ~ TYPICAL VALVE AND PAD INSTALLATION

N.T.S.

THRUST RESTRAINT REQUIREMENTS FOR 4" PVC PIPE

Horizontal Bend Angle	Restr.Length (ft)
11.25	2
22.5	4
45	8
90	20

Vertical Bend Angle	Restr.Length High Side (ft)*	Restr.Length Low Side (ft)*
11.25	6	2
22.5	11	3
45	24	7

THRUST RESTRAINT REQUIREMENTS FOR 6" PVC PIPE

Horizontal Bend Angle	Restr.Length (ft)
11.25	3
22.5	6
45	12
90	28

Vertical Bend Angle	Restr.Length High Side (ft)*	Restr.Length Low Side (ft)*
11.25	8	2
22.5	16	4
45	33	9

THRUST RESTRAINT REQUIREMENTS FOR 8" DI w/ POLY SOCK PIPE

Horizontal Bend Angle	Restr.Length (ft)
11.25	4
22.5	8
45	17
90	41

Vertical Bend Angle	Restr.Length High Side (ft)*	Restr.Length Low Side (ft)*
11.25	15	3
22.5	31	7
45	64	14

THRUST RESTRAINT REQUIREMENTS FOR 8" PVC PIPE

Horizontal Bend Angle	Restr.Length (ft)
11.25	4
22.5	8
45	16
90	37

Vertical Bend Angle	Restr.Length High Side (ft)*	Restr.Length Low Side (ft)*
11.25	11	3
22.5	22	5
45	45	10

C ~ MEGALUG THRUST RESTRAINT DETAILS

N.T.S.

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

REGISTERED PROFESSIONAL ENGINEER
12/3/10
NO. 4855703
GLEN E. CORNAYAN
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
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WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640

DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

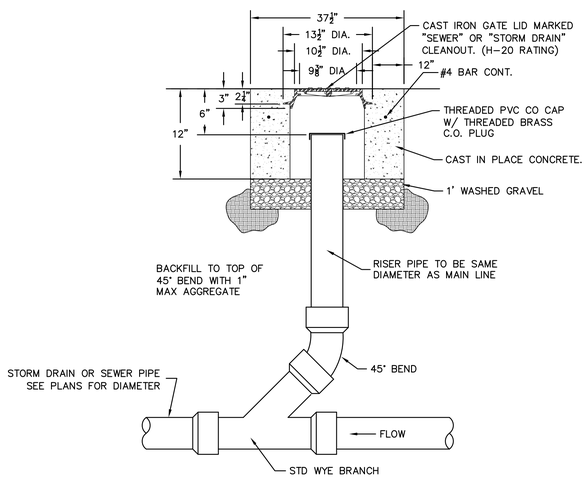
Rev #	Date	Description

Job # 09625
CAD File 581-09-DETAILS.dwg
Drawn JTM Checked GEC
Date 12/03/2010
Owner #
Ins. #

ALPHA ENGINEERING COMPANY
43 SOUTH 100 EAST, ST. GEORGE, UT. 84770
TEL: 435-628-6500 FAX: 435-628-6553

CIVIL DETAILS

C501

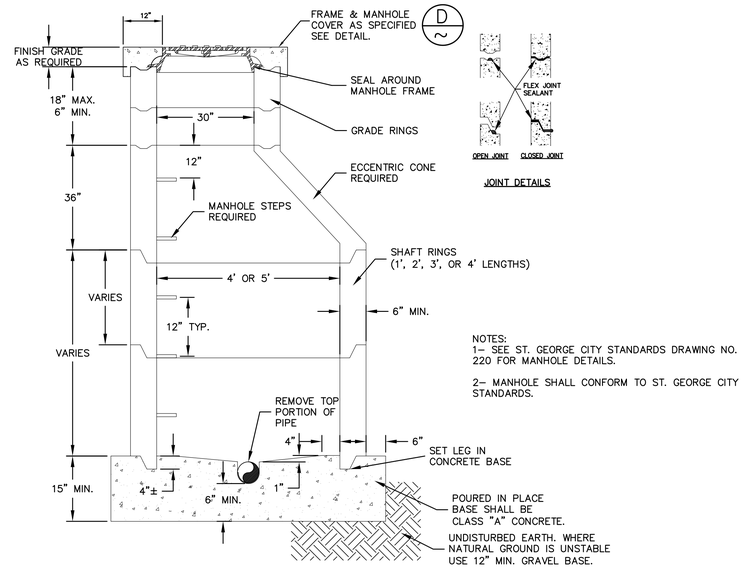


NOTES:

1. BACKFILL TO TOP OF 45° BEND WITH 1" MAX AGGREGATE

D/2 SEWER & STORM DRAIN CLEANOUT W/ LID DETAIL

N.T.S.

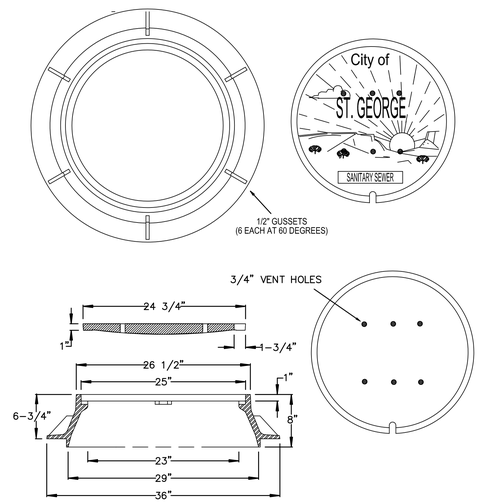


NOTES:
1– SEE ST. GEORGE CITY STANDARDS DRAWING NO. 220 FOR MANHOLE DETAILS.

2– MANHOLE SHALL CONFORM TO ST. GEORGE CITY STANDARDS.

E/2 SEWER MANHOLE

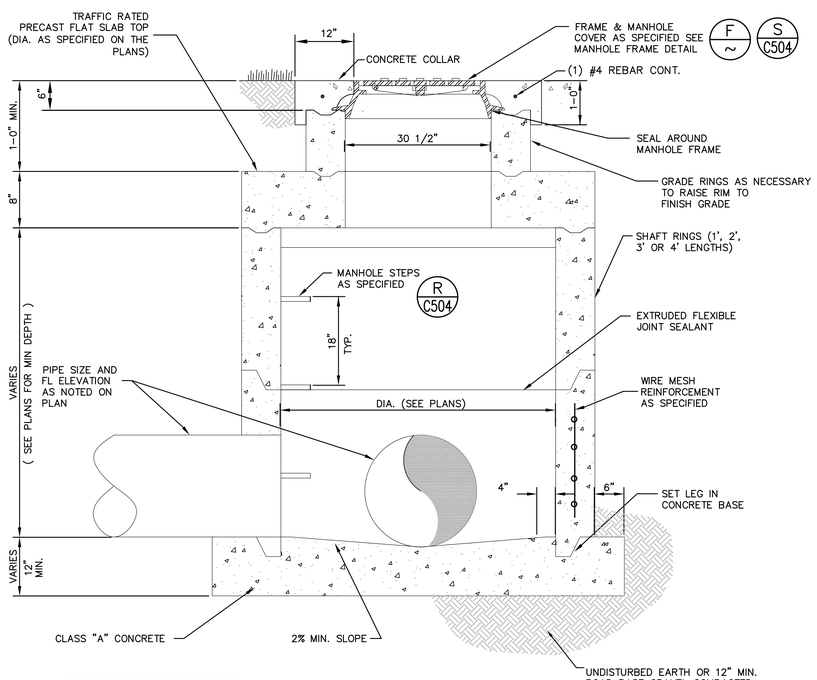
N.T.S.



NOTES:
1– USE D & L MODEL NO. A–1180 OR APPROVED EQUAL.
2– MUST MEET HS–20 LOADING.

F/2 MANHOLE FRAME & COVER

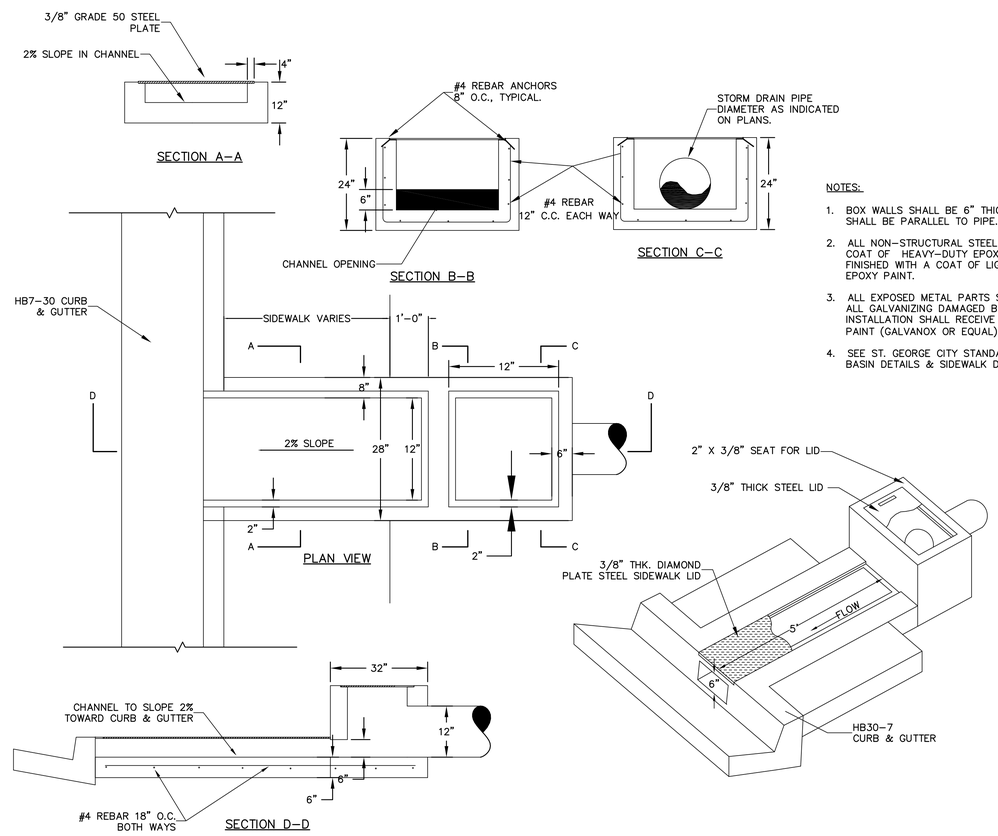
N.T.S.



NOTE: ALL CONCRETE TO BE TYPE V OR TYPE II SULFATE RESISTANT CONCRETE WITH A MAXIMUM OF 15% FLY ASH

G/2 STORM DRAIN MANHOLE

N.T.S.



NOTES:

1. BOX WALLS SHALL BE 6" THICK LONG DIMENSION OF BOX SHALL BE PARALLEL TO PIPE.
2. ALL NON–STRUCTURAL STEEL SHALL BE PRIMED WITH A COAT OF HEAVY–DUTY EPOXY PAINT, AND SHALL BE FINISHED WITH A COAT OF LIGHT GRAY, HEAVY–DUTY EPOXY PAINT.
3. ALL EXPOSED METAL PARTS SHALL BE GALVANIZED AND ALL GALVANIZING DAMAGED BY FABRICATION OR INSTALLATION SHALL RECEIVE TWO COATS OF ALUMINUM PAINT (GALVANOX OR EQUAL)
4. SEE ST. GEORGE CITY STANDARDS FOR DIADDITIONAL CATCH BASIN DETAILS & SIDEWALK DRAINAGE STRUCTURE.

H/2 SIDEWALK DRAIN

N.T.S.

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

REGISTERED PROFESSIONAL ENGINEER 12/3/10 NO. 4855703 GLEN E. CORNAFAY STATE OF UTAH

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DIXIE COLLEGE, ST. GEORGE, UT
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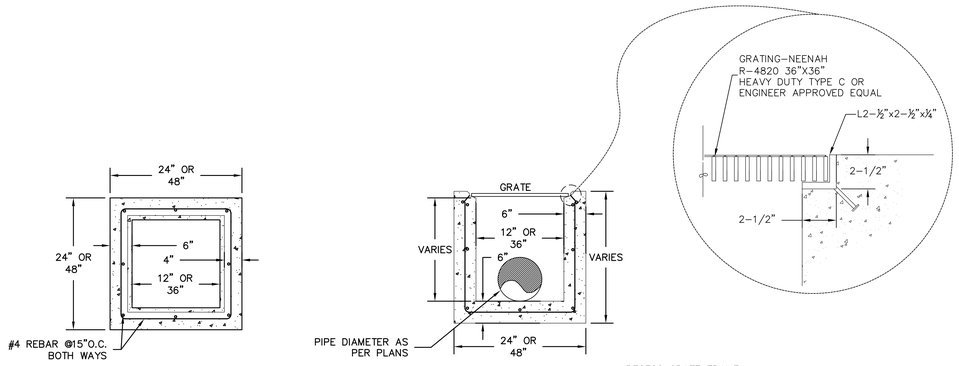
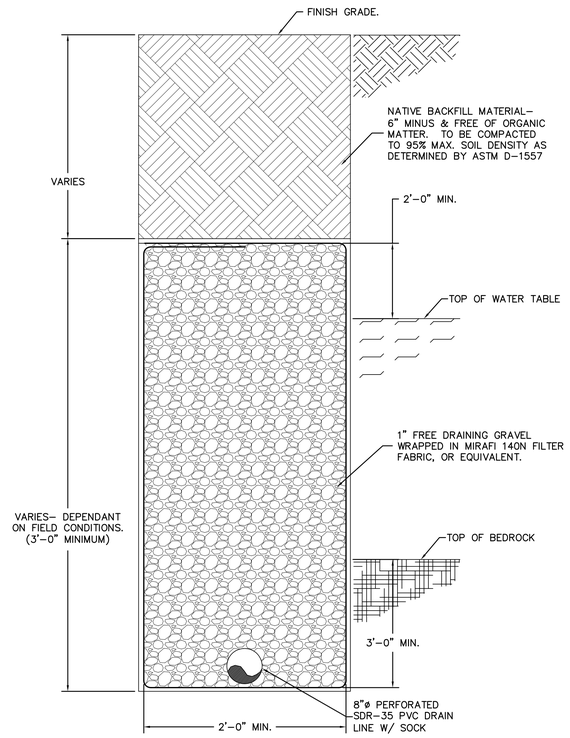
CIVIL DETAILS

C502

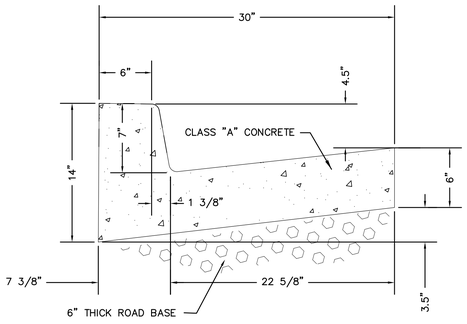


NOTE:
1. SIZE AS NOTED ON PLANS
2. BOX WALLS SHALL BE 6" THICK
3. PRECAST IS ACCEPTABLE
4. ALL NON–STRUCTURAL STEEL SHALL BE PRIMED WITH A COAT OF RED LEAD HEAVY–DUTY EPOXY PAINT, AND SHALL BE FINISHED WITH A COAT OF LIGHT GRAY, HEAVY–DUTY EPOXY PAINT

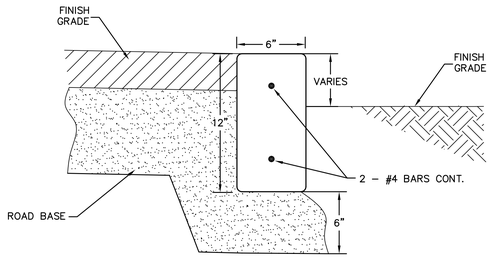
I — AREA DRAIN
N.T.S.



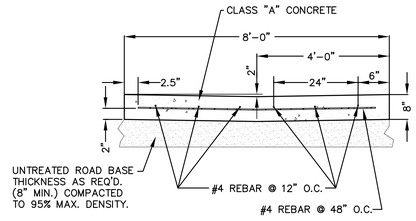
M — SUBDRAIN DETAIL
N.T.S.



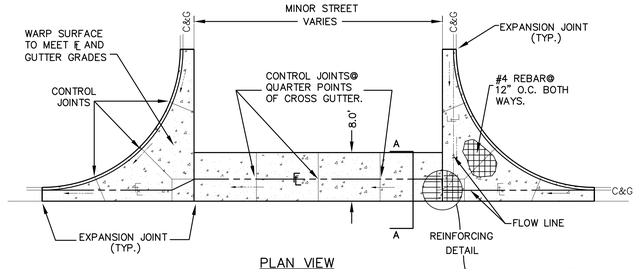
J — HB30-7 CURB DETAIL
N.T.S.



K — MOW STRIP / A-CURB
N.T.S.



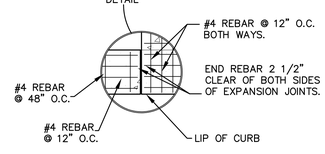
A–A 8' WATER WAY CROSS SECTION



PLAN VIEW

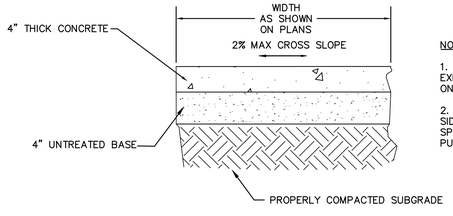
NOTES

1. FOR USE ON RESIDENTIAL STREETS ONLY.
2. CROSS GUTTERS ARE USED AT INTERSECTIONS ONLY UNLESS OTHERWISE APPROVED.
3. CROSS GUTTER SHALL CROSS THE MINOR STREET.
4. ALL REINFORCING STEEL SHALL HAVE 2–INCH MINIMUM CLEARANCE FROM CONCRETE SURFACE. SUPPORT CHAIRS, BLOCKS, OR OTHER APPROVED EQUAL SHALL BE USED TO SUPPORT STEEL DURING CONCRETE POUR.
5. REINFORCING TO EXTEND TO LIMITS OF CROSS GUTTER.
6. ALL REINFORCING STEEL SHALL BE GRADE 60 ASTM A–615.



REINFORCING DETAIL

N — 8' WATER WAY
N.T.S.



NOTES:

1. SEE ARCHITECTURAL DETAILS FOR EXPANSION JOINT DETAIL AND SPACING FOR ON SITE SIDEWALK & CURB.

2. SEE ST GEORGE CITY STANDARDS FOR SIDEWALK EXPANSION JOINT DETAIL AND SPACING FOR SIDEWALK AND CURB IN THE PUBLIC RIGHT–OF–WAY.

L — ON-SITE CONCRETE SIDEWALK SECTION
N.T.S.

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
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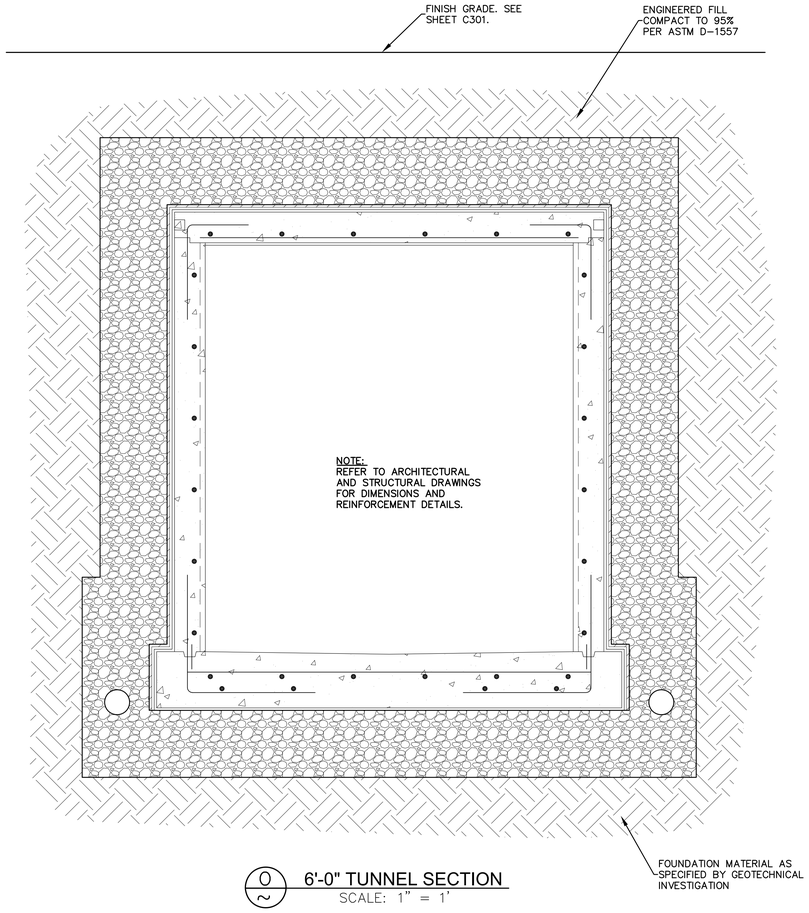
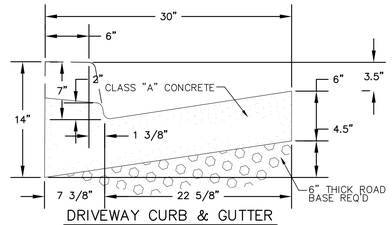
CIVIL DETAILS

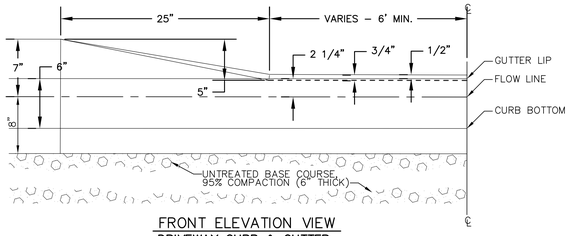
C503



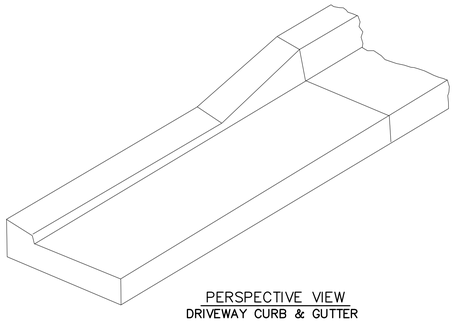
O 6'-0" TUNNEL SECTION
SCALE: 1" = 1'



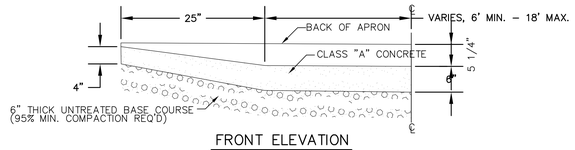
DRIVEWAY CURB & GUTTER
(TYPE HB30-7D)



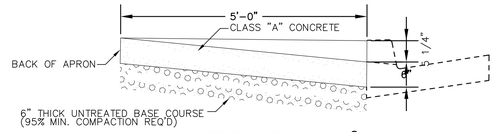
FRONT ELEVATION VIEW
DRIVEWAY CURB & GUTTER



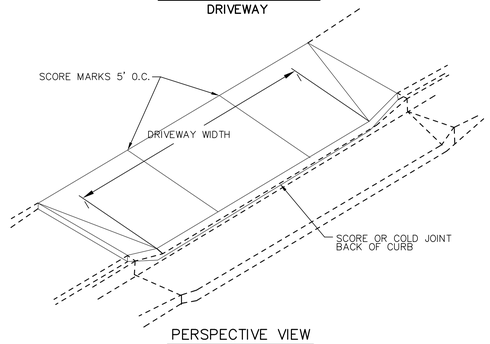
PERSPECTIVE VIEW
DRIVEWAY CURB & GUTTER



FRONT ELEVATION
DRIVEWAY

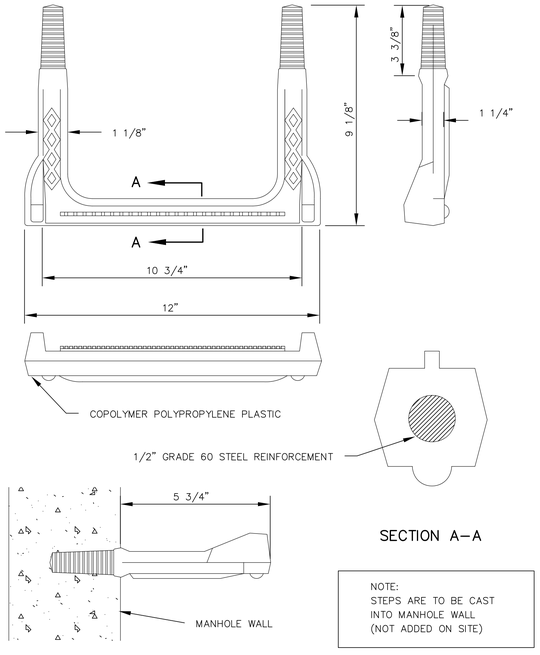


SECTION THROUGH ℄
DRIVEWAY



PERSPECTIVE VIEW
DRIVEWAY

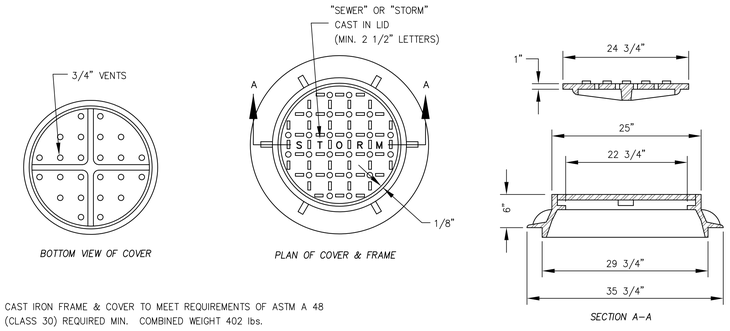
Q DRIVEWAY APPROACH
NTS



SECTION A-A

NOTE:
STEPS ARE TO BE CAST INTO MANHOLE WALL (NOT ADDED ON SITE)

R MANHOLE STEP
N.T.S.



NOTES:

1. CAST IRON FRAME & COVER TO MEET REQUIREMENTS OF ASTM A 48 (CLASS 30) REQUIRED MIN. COMBINED WEIGHT 402 lbs.

NOTE: CAST IRON FRAME & COVER TO MEET REQUIREMENTS OF ASTM A 48 (CLASS 30) REQUIRED MINIMUM COMBINED WEIGHT 402 lbs.

S FRAME & LID DETAIL
N.T.S.

VCBO ARCHITECTURE
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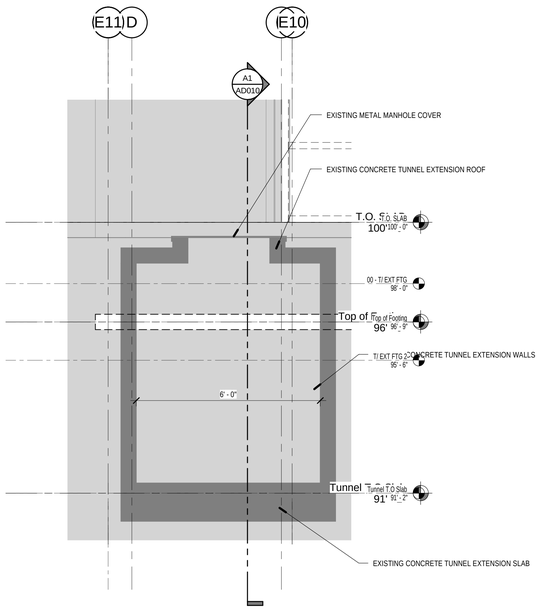
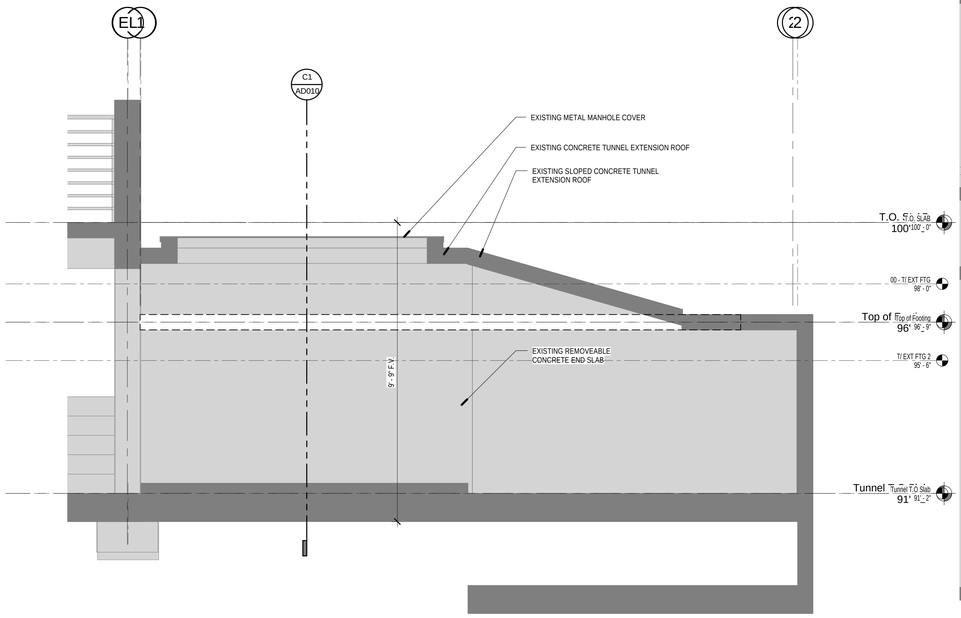
CIVIL DETAILS

C504



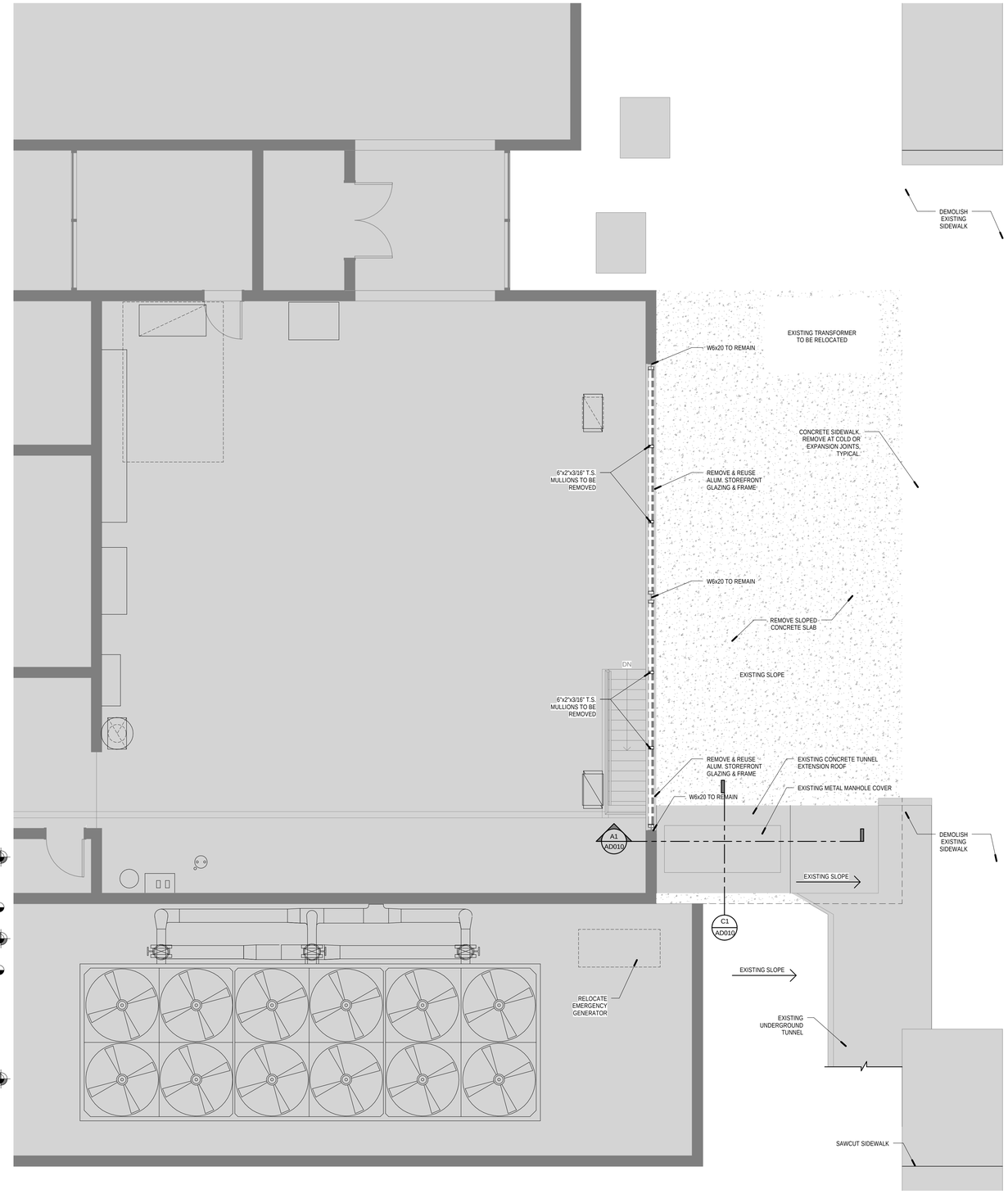
C1 TUNNEL EXTENSION SECTION 02

SCALE: 1/2" = 1'-0"



A1 TUNNEL EXTENSION SECTION 01

SCALE: 1/2" = 1'-0"



A4 DEMOLITION FLOOR PLAN

SCALE: 1/4" = 1'-0"

VCBO

ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

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Drawn Author Checked Checker
Date 12/03/2010
Owner # 06297640
Ins. #

CENTRAL PLANT
DEMOLITION PLAN

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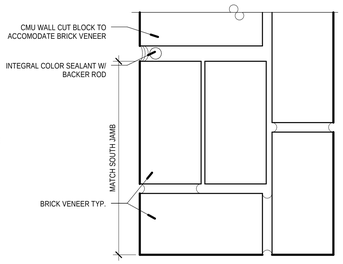
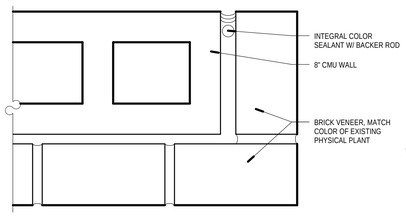
12/6/2010 1:49:42 PM



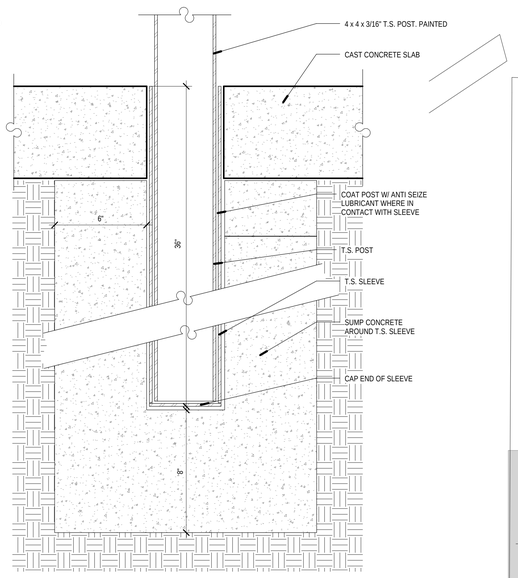
E1 NORTH JAMB @ ENCLOSURE

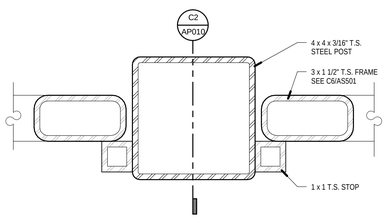
SCALE: 3" = 1'-0"



D1 SOUTH JAMB @ ENCLOSURE

SCALE: 3" = 1'-0"



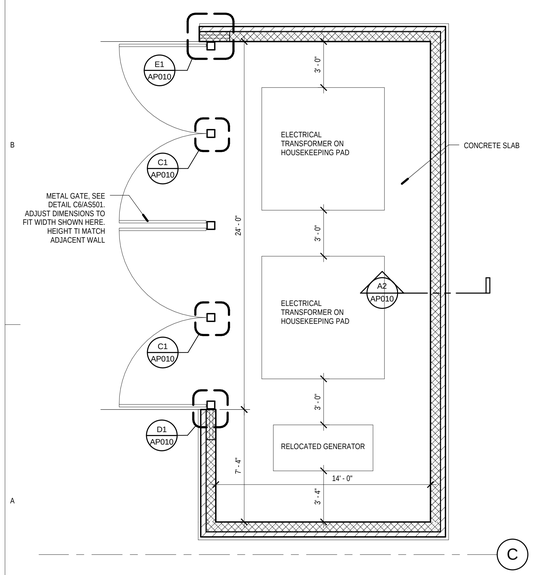


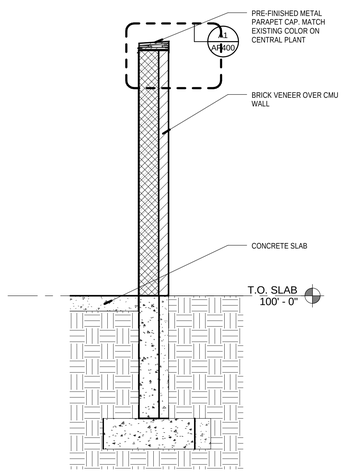
C1 CENTER POST

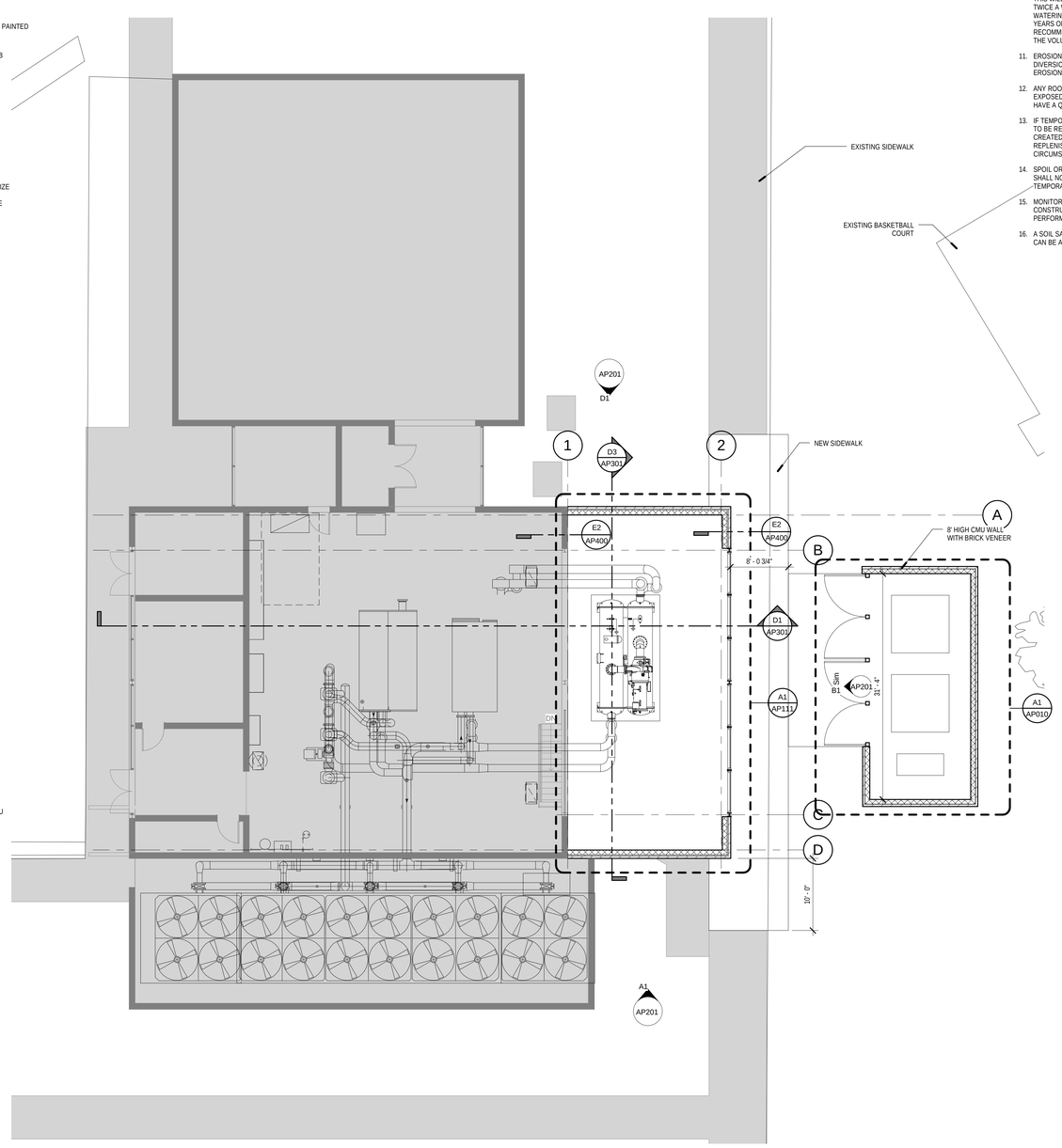
SCALE: 6" = 1'-0"

C2 CENTER POST SLEEVE

SCALE: 3" = 1'-0"







A1 Enlarged Transformer yard

SCALE: 1/4" = 1'-0"

A2 TRANSFORMER YARD WALL SECTION

SCALE: 1/2" = 1'-0"

A4 OVERALL FLOOR PLAN

SCALE: 1/8" = 1'-0"

NORTH

TREE PRESERVATION GUIDELINES AND NOTES

1. FENCES WILL BE ERECTED TO PROTECT TREES TO BE PRESERVED. FENCES DEFINE A SPECIFIC PROTECTION ZONE FOR EACH TREE OR GROUP OF TREES. FENCE TO BE AT A MINIMUM OF 20' FROM TRUNK OR AT DRIP LINE OF TREE, WHICHEVER IS GREATER. FENCES ARE TO REMAIN UNTIL ALL SITE WORK HAS BEEN COMPLETED. FENCES MAY NOT BE RELOCATED OR REMOVED WITHOUT THE WRITTEN PERMISSION OF THE CONSULTING ARBORIST OR THE ARCHITECT.
2. INSIDE ALL PROTECTED TREE FENCE AREAS, CONTRACTOR TO PROVIDE WOOD CHIPS, MINIMUM 4" DEEP.
3. CONSTRUCTION TRAILERS AND TRAFFIC AND STORAGE AREAS MUST REMAIN OUTSIDE FENCED AREAS AT ALL TIMES.
4. ALL UNDERGROUND UTILITIES AND DRAIN OR IRRIGATION LINES SHALL BE ROUTED OUTSIDE THE TREE PROTECTION ZONE. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE(S).
5. NO MATERIALS, EQUIPMENT, SPOIL OR WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED OR PARKED WITHIN THE TREE PROTECTION ZONE (FENCED AREA).
6. ADDITIONAL TREE PRUNING REQUIRED FOR CLEARANCE OR TREE HEALTH DURING CONSTRUCTION MUST BE PERFORMED BY A QUALIFIED ARBORIST AND NOT BY CONSTRUCTION PERSONNEL.
7. ANY HERBICIDES PLACED UNDER PAVING MATERIALS MUST BE SAFE FOR USE AROUND TREES AND LABELED FOR THAT USE. ANY PESTICIDES USED ON SITE MUST BE TREE-SAFE AND NOT EASILY WASHED OFF SITE, CAUSING POLLUTION.
8. IF INJURY SHOULD OCCUR TO ANY TREE DURING CONSTRUCTION IT SHOULD BE EVALUATED AS SOON AS POSSIBLE BY THE CONSULTING ARBORIST OR LANDSCAPE ARCHITECT SO THAT APPROPRIATE TREATMENTS CAN BE APPLIED.
9. ANY GRADING, CONSTRUCTION, DEMOLITION, OR OTHER WORK THAT IS EXPECTED TO ENCOUNTER TREE ROOTS MUST BE MONITORED BY THE CONSULTING ARBORIST/LANDSCAPE ARCHITECT. ALL TREES NOT BEING REMOVED AS INDICATED ON LANDSCAPE DEMOLITION PLAN SHALL BE PROTECTED / MONITORED.
10. IRRIGATION WATER TO THE TREES AND SHRUBS TO REMAIN SHOULD BE AT LEAST 1 INCH A WEEK DURING GROWING SEASON UNTIL PROJECT COMPLETION (MAY - OCT) THIS WILL BE APPLIED WITH SPRINKLERS EVENLY OVER THE WHOLE ROOT SYSTEM, TWICE A WEEK TWO DAYS APART WITH 1/2 INCH OF WATER DELIVERED EACH WATERING CYCLE. NEWLY PLANTED PLANTS THAT HAVE NOT BECOME ESTABLISHED (2 YEARS OR LESS) WILL ALSO NEED IRRIGATION TO ENSURE THEIR SURVIVAL. IT IS RECOMMENDED THAT A TEMPORARY IRRIGATION SYSTEM BE DESIGNED ACCORDING TO THE VOLUME AND FLOW OF THE WATER SOURCE TO WATER THE PLANT MATERIAL.
11. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS, BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND OR EROSION WITHIN THE TREE PROTECTION ZONE.
12. ANY ROOTS DAMAGED DURING GRADING, TRENCHING OR CONSTRUCTION SHALL BE EXPOSED TO SOUND TISSUE AND CUT CLEANLY WITH A SAW. CONTRACTOR SHALL HAVE A QUALIFIED ARBORIST OR LANDSCAPE ARCHITECT OBSERVE THIS WORK.
13. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE ROOT AREA OF TREES TO BE RETAINED, A ROADBED OF 6 INCHES OF COURSE WOOD CHIP MULCH SHALL BE CREATED TO PROTECT THE SOIL AND ROOTS. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A 6-INCH DEPTH. UNDER NO CIRCUMSTANCES SHALL SUCH ACCESS ROADS BE USED ON A FREQUENT BASIS.
14. SPOIL OR SUBSOIL FROM TRENCHES, BASEMENTS, OR OTHER EXCAVATIONS SHALL NOT BE PLACED WITHIN THE TREE PROTECTION ZONE, EITHER TEMPORARILY OR PERMANENTLY.
15. MONITORING ONCE A MONTH SHALL OCCUR NOW AND FOR AT LEAST ONE YEAR AFTER CONSTRUCTION IS COMPLETED. CONTRACTOR SHALL HAVE A QUALIFIED ARBORIST PERFORM THIS TASK.
16. A SOIL SAMPLE SHALL BE SENT TO USU SOILS LAB TO DETERMINE IF ANY NUTRIENTS CAN BE ADDED TO HELP RELIEVE SOME STRESS TO THE TREES.

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DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

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Date 12/03/2010
Owner # 06297640
Ins. #

CENTRAL PLANT
OVERALL FLOOR PLAN

AP010

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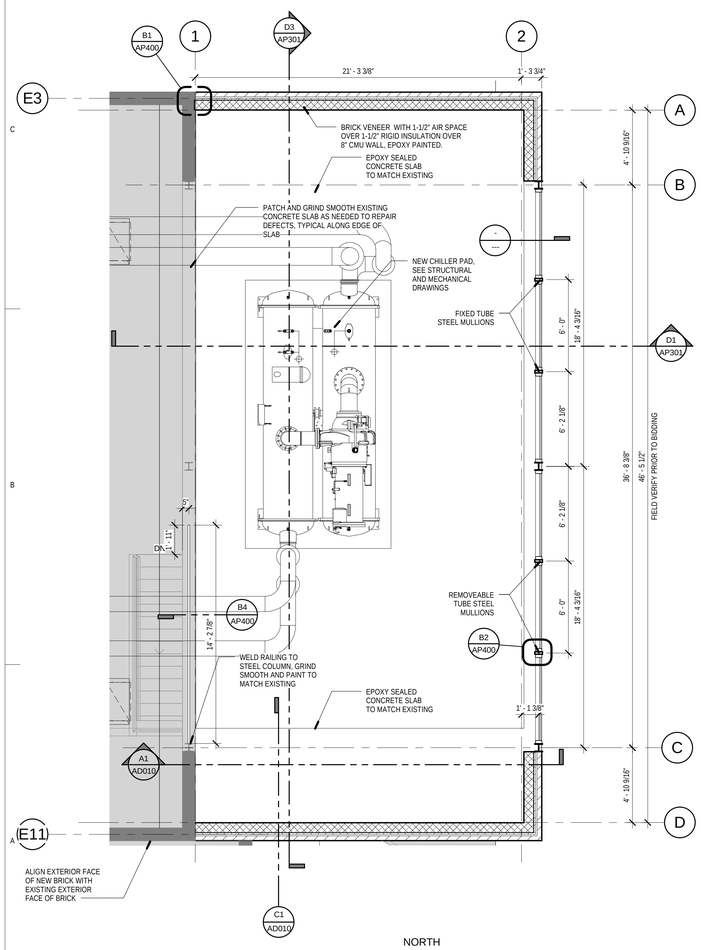
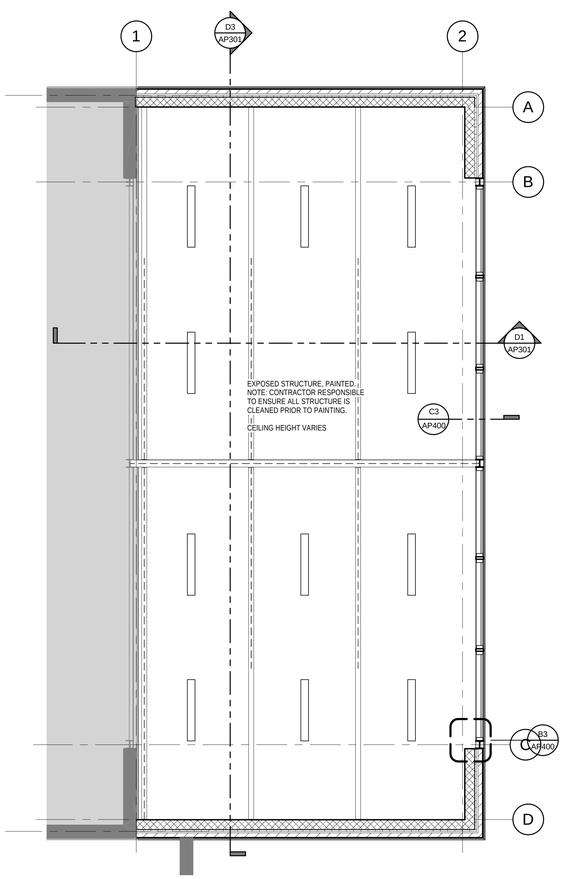


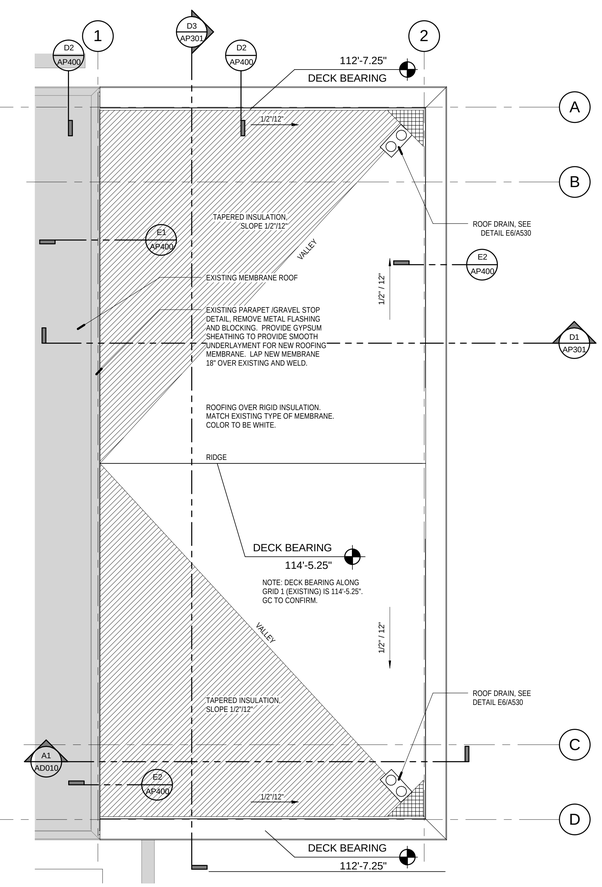
A1 FLOOR PLAN

SCALE: 1/4" = 1'-0"



A2 REFLECTED CEILING PLAN

SCALE: 1/4" = 1'-0"



A4 ROOF PLAN

SCALE: 1/4" = 1'-0"

PLAN NOTES

1) WHERE FLOOR DRAINS ARE INSTALLED THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT TO EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.

2) WHERE CONCRETE PADS ARE CALLED TO BE CONSTRUCTED UNDER EQUIPMENT THE SLAB IS TO BE 8" THICK, U.N.O., AND IS TO HAVE #4 BARS AT 18" O.C. EACH WAY. COORDINATE DIMENSIONS OF PAD WITH ACTUAL EQUIPMENT SPEC

3) NOT USED

4) THE CONTRACTOR IS TO ENSURE THAT BETWEEN ANY FINISH FLOOR ELEVATION TO 34" A.F.F. ALL GUARDRAILS ARE TO BE CONSTRUCTED AND INSTALLED SO THAT A 4" SPHERE WILL NOT PASS BETWEEN ANY TWO ADJACENT GUARDRAIL COMPONENTS OR BETWEEN THE EDGE OF A GUARDRAIL AND ALL ADJACENT BUILDING ELEMENT SUCH AS A WALL OR FLOOR. AN 8" DIAMETER SPHERE IS NOT TO PASS BETWEEN THE ABOVE MENTIONED COMPONENTS AND ELEMENTS FROM AN ELEVATION 34" A.F.F. AND HIGHER.

WALL NOTES

1) NOT USED.

2) A 1/2" ALUMINUM GYP. BOARD REVEAL IS TO BE PROVIDED AT ALL INTERSECTIONS OF GYP. BOARD AND CMU. THIS REVEAL TO BE CONTINOUS FOR THE FULL HEIGHT OF THE INTERSECTION.

3) ALL EXTERIOR STUD WALLS TO HAVE BATT INSULATION, VAPOR BARRIER AND INFILTRATION BARRIER FOR THE FULL HEIGHT OF THE WALL.

4) THE INFILTRATION BARRIER IS TO WRAP INTO ALL WINDOW OPENINGS.

5) SEE FINISH SHEETS AND INTERIOR ELEVATIONS FOR WALL FINISHES INCLUDING TILE COURSING AND LAYOUT.

6) SEE EXTERIOR ELEVATIONS FOR COURSING, MASONRY TYPES AND METAL PANEL ORIENTATION

7) NOT USED

8) PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE FINISH SCHEDULE AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES

9) WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.

10) THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:
- A. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE.
- B. USE 16" O.C. MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING IF ALLOWED IN THESE DOCUMENTS.
- C. USE STUDS OF GAUGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAUGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAUGE IF ALLOWED IN THESE DOCUMENTS.
- D. USE STUDS OF DEPTH INDICATED BY THE DRAWINGS. THE DEPTH STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH IF ALLOWED IN THESE DOCUMENTS.

11) SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS

12) WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT WALLS.

(13) ALL MASONRY WALLS ARE TO BE REINFORCED AND ARE TO BE SET ON REINFORCED FOOTINGS. SEE THE A200 ELEVATION SHEETS FOR LOCATION OF CONTROL JOINTS. WHERE NOT NOTED, CONTROL JOINTS TO BE LOCATED AS PER THE REQUIREMENTS FOUND IN THE STRUCTURAL DOCUMENTS BUT ARE NOT TO EXCEED 30' O.C.. SEE THE STRUCTURAL DRAWINGS FOR REINFORCING AND OTHER DETAILS PERTAINING TO MASONRY WALLS. IF NOT OTHERWISE NOTED, LOCATE CONTROL JOINTS AT CORNER ABOVE DOORS, INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. CONSULT WITH ARCHITECT PRIOR TO INSTALLING.

14) ALL WALL COMPONENTS (GYP. BOARD, VAPOR BARRIER, INSULATION, ETC...) ARE TO EXTEND TO THE DECK ABOVE OR TO TOP OF PARAPET UNLESS NOTED OTHERWISE.

15) ALL METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND ARE TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET FOR THE FULL HEIGHT OF THE WALL. THICKNESS TO MATCH STUD DEPTH, UNLESS NOTED OTHERWISE.

16) AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, BEAMS, JOIST, ETC..., MASONRY AND GYP. BOARD ARE TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE GAP BETWEEN THE OBJECT AND THE WALL IS TO BE SEALED W/ ACOUSTICAL SEALANT ON ALL SIDES.

17) PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. CONSULT WITH ARCHITECT PRIOR TO INSTALLING.

18) SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR CABINETS, GRAB BARS ETC. INSTALL BLOCKING AS DETAILED OR AS REQUIRED TO MOUNT SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED.

19) INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS:
- A. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SINKS
- B. AT OTHER LOCATIONS AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS

20) INSTALL ONE LAYER OF 5/8" GLASS MAT TILE BACKER BOARD IN LIEU OF GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION WHERE THERE IS NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED PARTITIONS AT THE FOLLOWING LOCATIONS
- A. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS
- B. WHERE CERAMIC TILE FINISHES ARE INDICATED. REFER TO FINISH SCHEDULE, PLANS AND/OR INTERIOR ELEVATIONS
- C. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL, FINISH PLANS AND ELEVATIONS

21) IT IS ACCEPTABLE TO PLACE NON-INTEGRAL COLORED CMU IN PORTIONS OF WALLS INDICATED TO BE CONSTRUCTED OF INTEGRAL COLOR CMU IF THE DOCUMENTS SHOW THESE PORTIONS OF WALL PAINTED OR COVERED WITH TILE, STUD FURRING OR ROOFING MEMBRANE. IT IS NOT ACCEPTABLE TO UTILIZE NON INTEGRAL COLORED CMU BEHIND CABINETS, FURNISHINGS AND EQUIPMENT.

22) AT ALL SPLIT FACE AND PAINTED CMU THE HORIZONTAL AND VERTICAL MORTAR JOINTS ARE TO BE CONCAVE. AT ALL HONED BLOCK THE HORIZONTAL MORTAR JOINT IS TO BE A WEATHERED JOINT AND ALL VERTICAL JOINTS ARE TO BE RAKED.

23) ALL MASONRY CORNERS WHICH FALL WITHIN THE INTERIOR OF THE BUILDING, INCLUDING CORNERS AT DOOR AND WINDOW OPENINGS ARE TO HAVE A 3/4" CHAMFER EXTENDING FROM 4" A.F.F. TO THE DECK ABOVE OR THE BOTTOM OF THE HEADER. WHERE LAY-IN ACOUSTICAL CEILINGS OCCUR, THE CHAMFER IS TO TERMINATE 1" BELOW THE CEILING. NOTE THAT THIS CHAMFER IS NOT TO BE PROVIDED AT CORNERS SHOWN IN THESE DOCUMENTS AS COVERED WITH WALL TILE.

24) WHERE SPLIT FACE BLOCK IS SHOWN EXTENDING TO THE TOP OF A PARAPET, PROVIDE AN INTEGRAL COLOR SMOOTH FACE BLOCK AT THE TOP COURSE TO ALLOW THE CAP FLASHING TO FIT TIGHT AGAINST THE WALL.

25) PROTECTION OF MASONRY: DURING CONSTRUCTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK, EXCEPT WHEN THE AMBIENT TEMPERATURE IS EXPECTED TO REMAIN ABOVE 65 DEG F AND NO PRECIPITATION IS FORECAST FOR THE NEXT 24 HOURS. (THIS IS TO PREVENT CONDENSATION FROM COVERED WALLS CAUSING A MOISTURE PROBLEM.). COVER PARTIALLY COMPLETED MASONRY EACH DAY THAT CONSTRUCTION IS NOT IN PROGRESS. WALLS ARE TO BE PROTECTED UNTIL THEY ARE PERMANENTLY PROTECTED BY THE ROOFING MEMBRANE OVER THE CAP PLATE. THE GENERAL CONTRACTOR IS TO PROVIDE TEMPORARY PROTECTION IMMEDIATELY FOLLOWING THE TOPPING OUT OF EACH SECTION OF WALL BY INSTALLING WATERPROOF SHEETING OVER A CONTINUOUS CAP PLATE UNTIL THE ROOFING MEMBRANE IS INSTALLED. A SOLID GROUTED TOP BOND BEAM SHALL NOT BE CONSIDERED ADEQUATE PROTECTION FOR THE WALL.

26) WHERE A DOOR IS SHOWN ON THE FLOORS PLANS BUT IS NOT NUMBERED AND/OR DOES NOT APPEAR IN THE DOOR SCHEDULE, THE FOLLOWING DOOR, FRAME AND HARDWARE ARE TO BE BID FOR THIS OPENING: DOOR TYPES X, FRAME TYPE XX, HARDWARE TYPE XX.

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DIXIE COLLEGE, ST. GEORGE, UT
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CENTRAL PLANT PLANS

AP111

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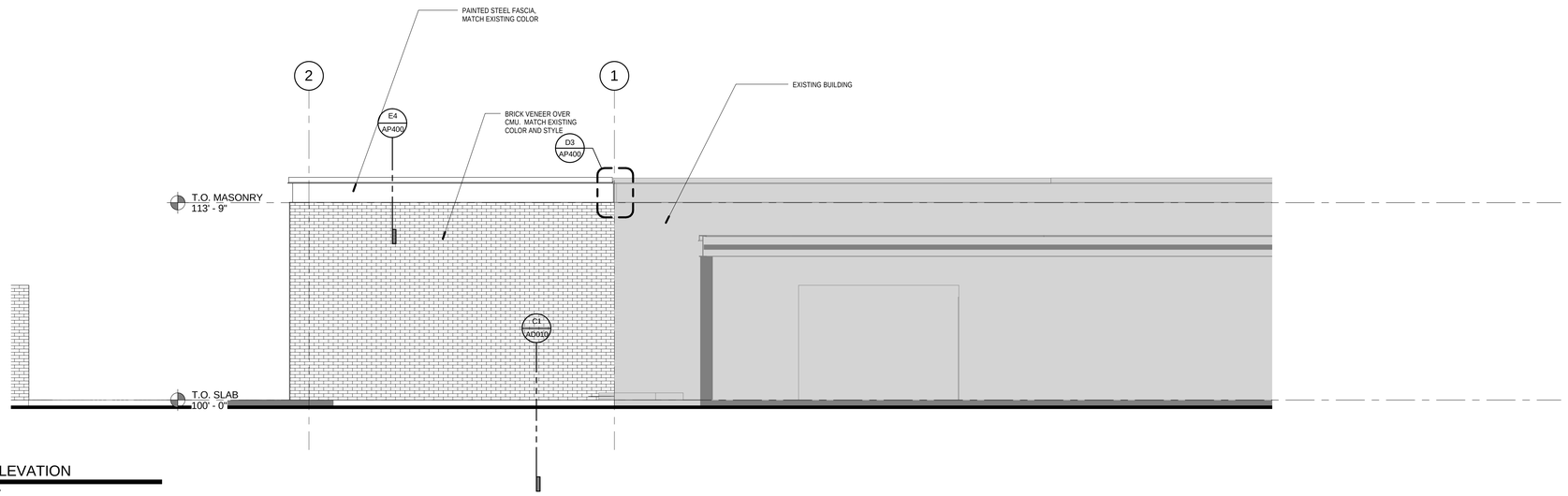
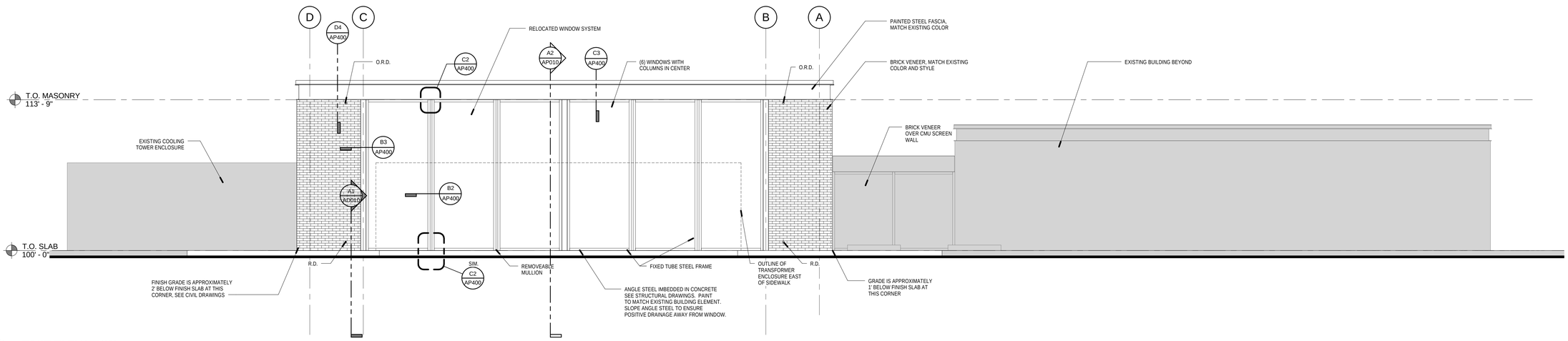


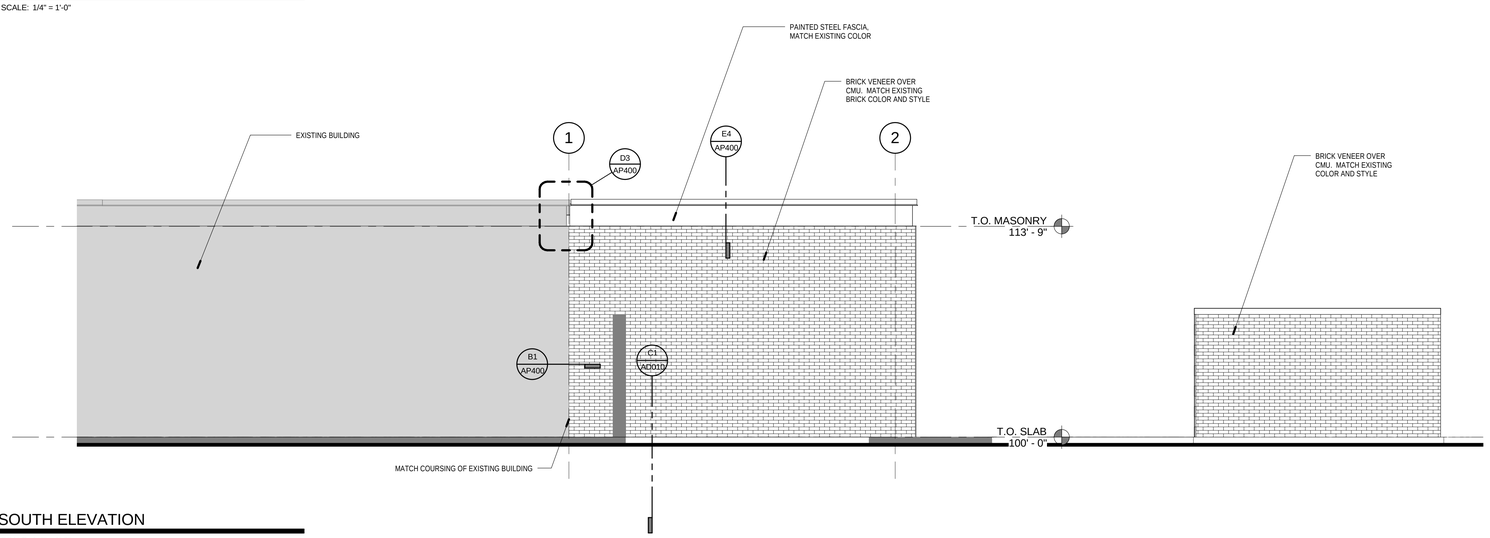
D1 NORTH ELEVATION

SCALE: 1/4" = 1'-0"



B1 EAST ELEVATION

SCALE: 1/4" = 1'-0"



A1 SOUTH ELEVATION

SCALE: 1/4" = 1'-0"

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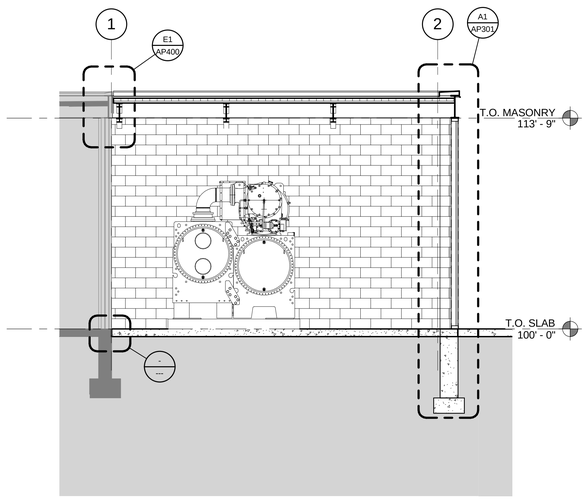
CENTRAL PLANT
BUILDING ELEVATIONS

AP201



D1 BUILDING SECTION

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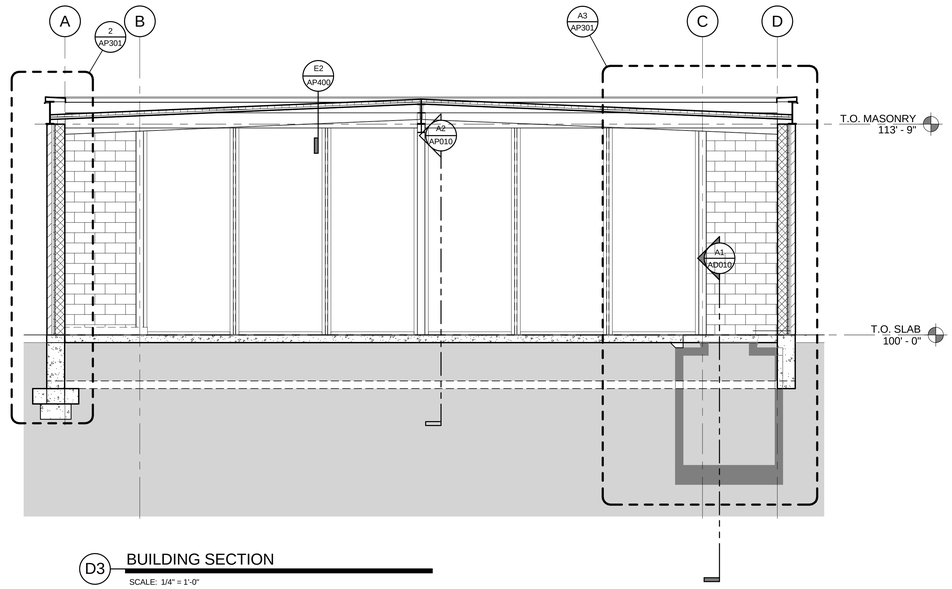
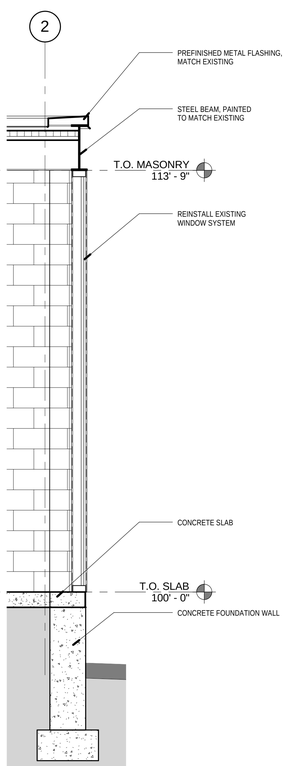


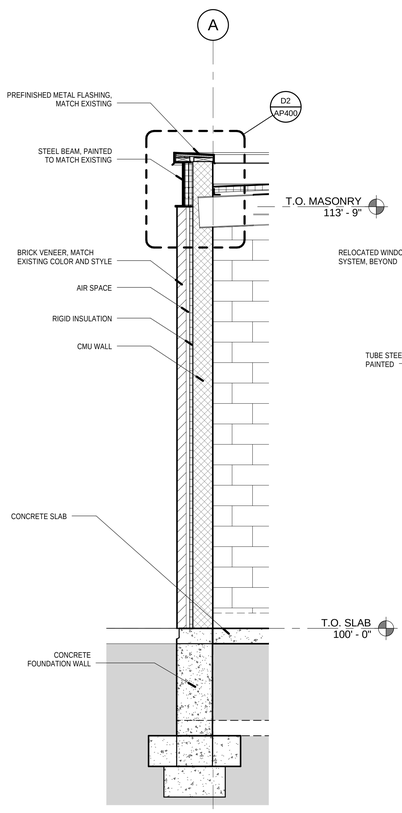
D3 BUILDING SECTION

SCALE: 1/4" = 1'-0"



A1 WALL SECTION

SCALE: 1/2" = 1'-0"



2 WALL SECTION

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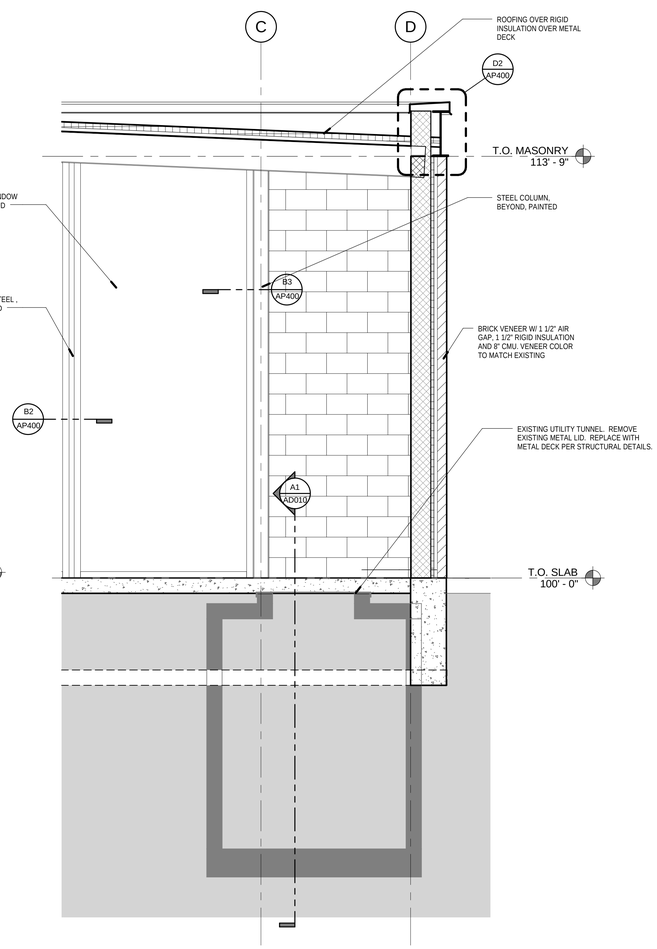

A3 WALL SECTION

SCALE: 1/2" = 1'-0"

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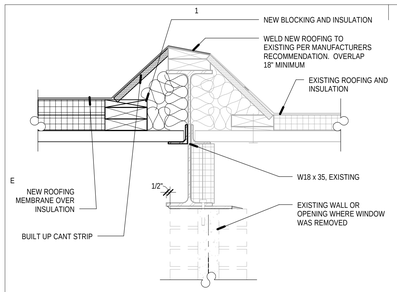
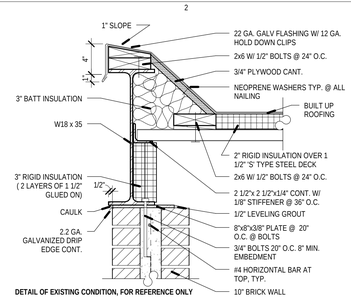
CENTRAL PLANT SECTIONS

AP301



E1 New/Old roofing interface

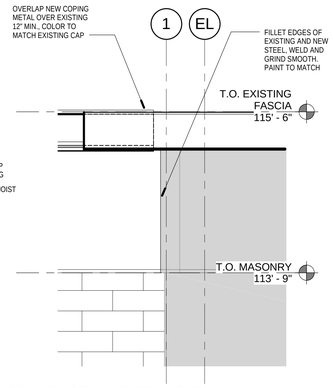
SCALE: 1 1/2" = 1'-0"



DETAIL OF EXISTING CONDITION, FOR REFERENCE ONLY

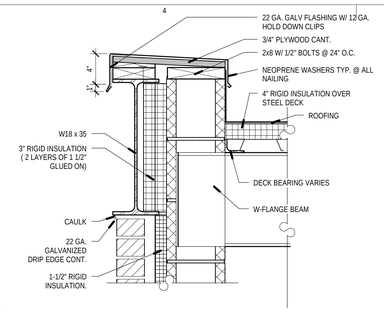
E2 FASCIA @ NON BEARING

SCALE: 1 1/2" = 1'-0"



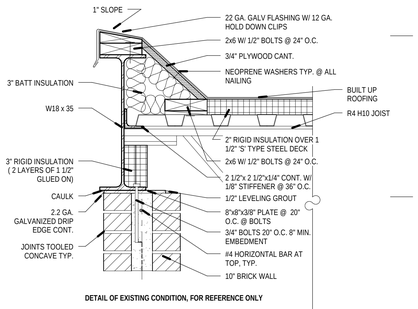
D3 FASCIA AT TRANSITION

SCALE: 1 1/2" = 1'-0"



E4 FASCIA AT NEW BEARING

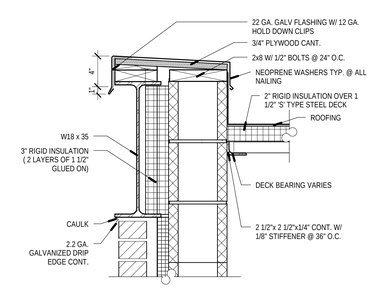
SCALE: 1 1/2" = 1'-0"



DETAIL OF EXISTING CONDITION, FOR REFERENCE ONLY

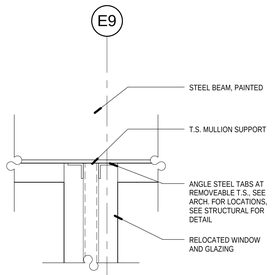
D2 FASCIA AT BEARING

SCALE: 1 1/2" = 1'-0"



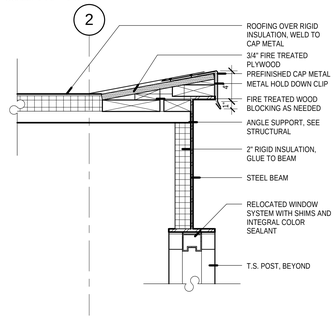
D4 FASCIA @ NEW NON BEARING

SCALE: 1 1/2" = 1'-0"



C2 REMOVEABLE TUBE STEEL HEAD

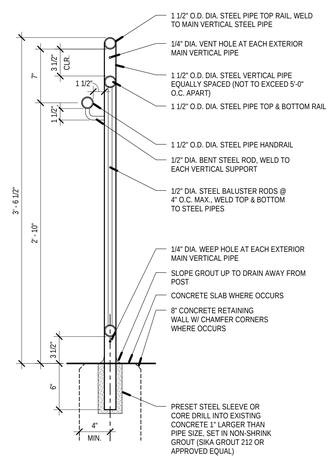
SCALE: 1 1/2" = 1'-0"



C3 STOREFRONT HEAD

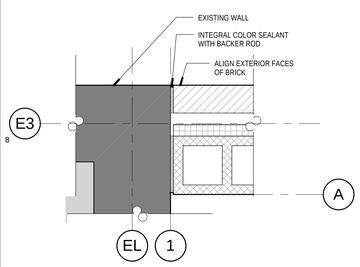
SCALE: 1 1/2" = 1'-0"

NOTES:
1. ALL PIPE MATERIAL SHALL BE SCHEDULE 40 PIPE
2. GALVANIZED STEEL TO BE USED AT EXTERIOR AND AS NOTED ELSE WHERE
3. GRIND ALL WELDS SMOOTH



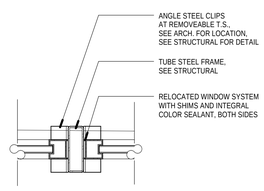
B4 GUARDRAIL SECTION

SCALE: 1 1/2" = 1'-0"



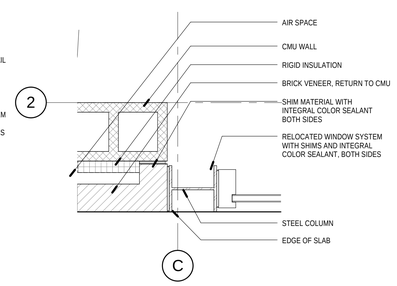
B1 JOINT AT NEW WALL

SCALE: 1 1/2" = 1'-0"



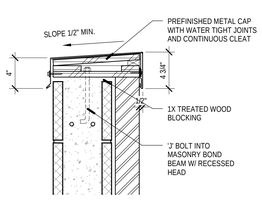
B2 STOREFRONT JAMB AT TUBE STEEL

SCALE: 1 1/2" = 1'-0"



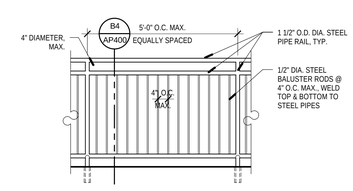
B3 STOREFRONT JAMB AT MASONRY

SCALE: 1 1/2" = 1'-0"



A1 CMU W/ BRICK VENEER WALL CAP

SCALE: 1 1/2" = 1'-0"



A4 TYPICAL GUARDRAIL ELEVATION

SCALE: 1/2" = 1'-0"

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DIXIE STATE COLLEGE OF UTAH

06297640

DIXIE COLLEGE, ST. GEORGE, UT

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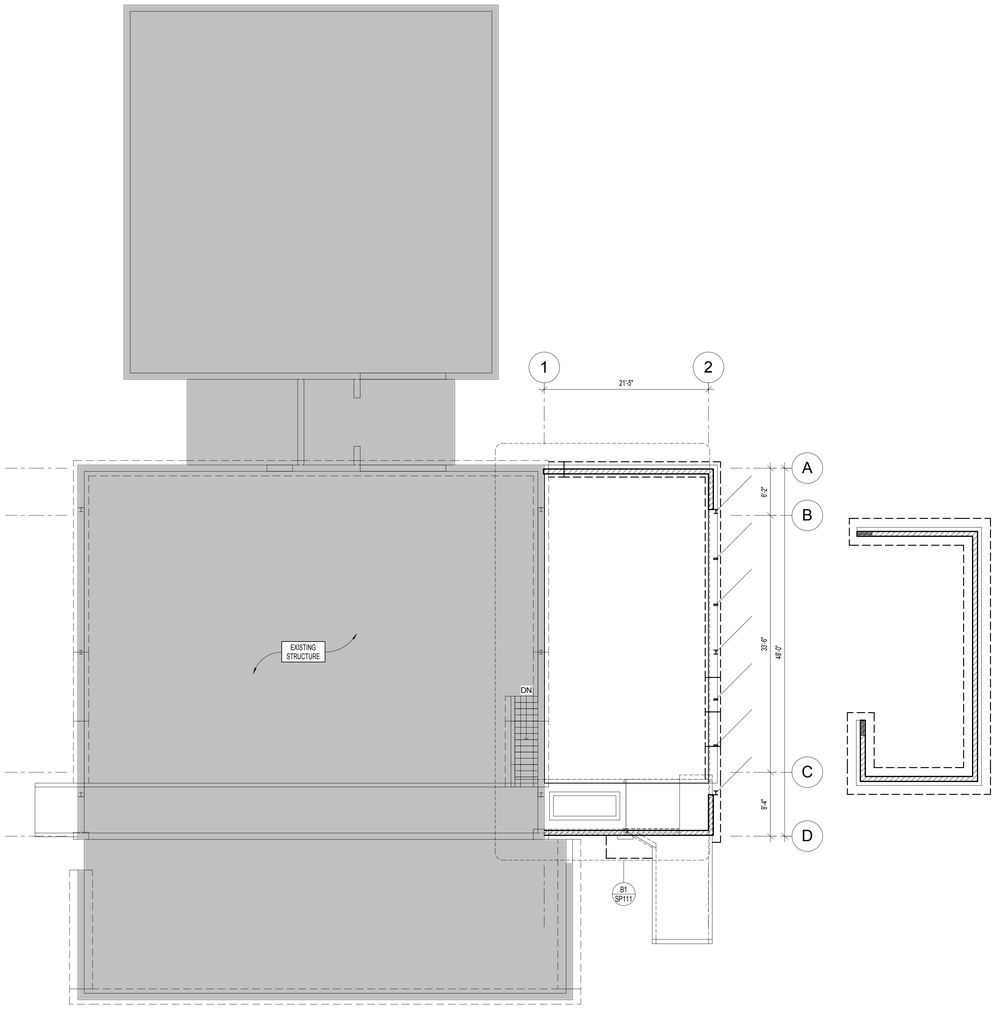
Rev #	Date	Description

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner # 06297640
Ins. #

CENTRAL PLANT DETAILS

AP400



B4 / SP110 OVERALL FOOTING AND FOUNDATION PLAN

NO SCALE:

DEC. 03, 2010
CONFORMED CONSTRUCTION DOCUMENTS BID SET

NOTE:
THESE STRUCTURAL DRAWINGS ARE BASED ON ARCHITECTURAL DRAWINGS DATED 10.27.2010

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CHRISTOPHER D. OLSON
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12/02/2010

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Dunn Job #:	10004
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

OVERALL FOOTING AND FOUNDATION PLAN AT CHILLER

SP110

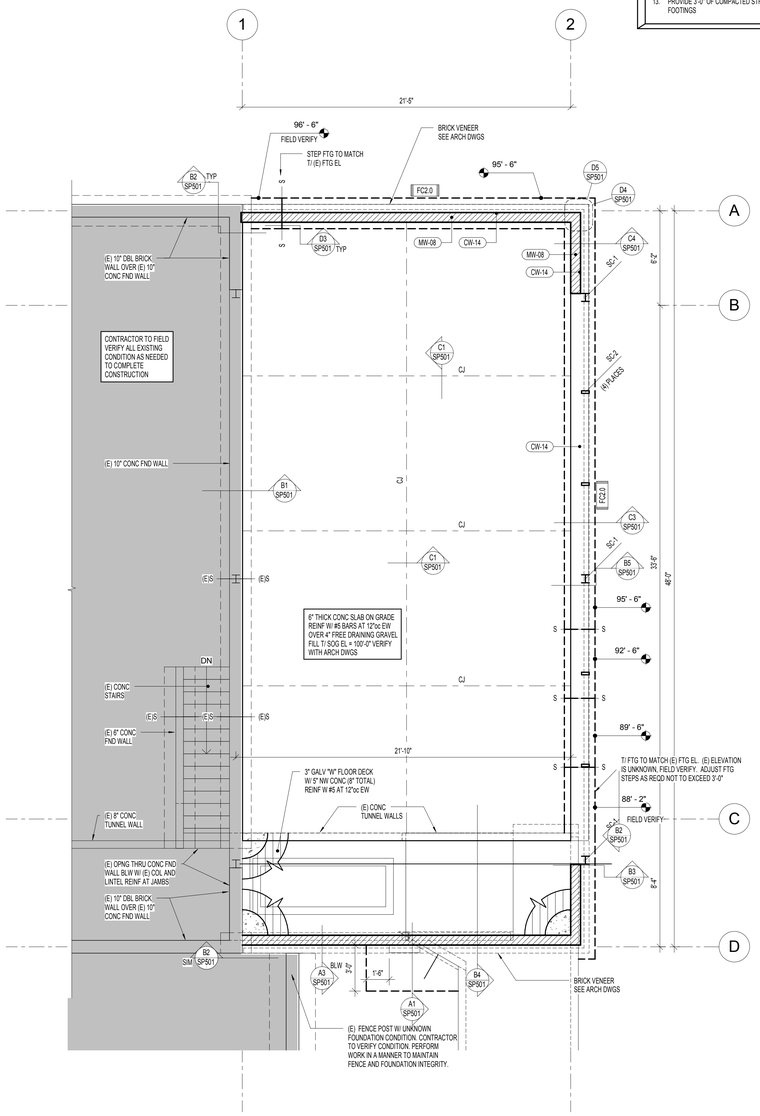
12/2/2010 9:01:06 AM

FOOTING AND FOUNDATION PLAN NOTES:

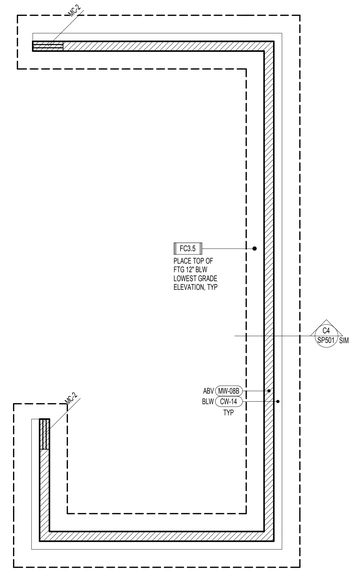
1. COORDINATE LOCATION OF DEPRESSED SLABS, SLOPED SLABS, AND FLOOR DRAINS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. SEE ARCHITECTURAL DRAWINGS AND CIVIL DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
3. CENTER ALL SPOT FOOTINGS UNDER COLUMNS AS SHOWN ON PLAN, TYPICAL UNO.
4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
5. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR BURIED PIPES RUNNING PARALLEL AND PERPENDICULAR TO FOOTINGS.
6. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR TYPICAL CONSTRUCTION AND CONTROL JOINTS IN FLOOR SLABS.
7. FOR LOCATIONS WHERE CONTROL JOINTS ARE DISCONTINUOUS, SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01).
8. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR REINFORCING AROUND MISCELLANEOUS OPENINGS IN CONCRETE WALLS.
9. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR REINFORCING AROUND MISCELLANEOUS OPENINGS IN MASONRY WALLS.
10. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR REINFORCING AROUND RECESSES IN MASONRY WALLS.
11. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR MASONRY CONTROL JOINTS.
12. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR TERMINATION ON HORIZONTAL WALL REINFORCING AT ENDS OF WALLS.
13. PROVIDE 3'-0" OF COMPACTED STRUCTURAL FILL BENEATH ALL FOOTINGS

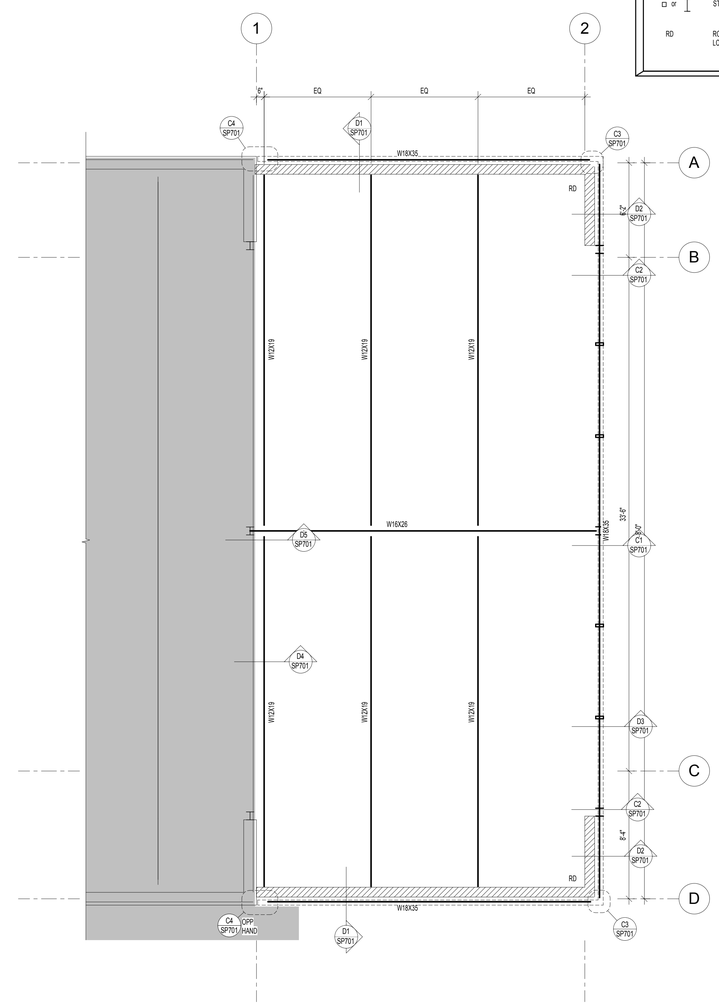
MARKS AND SYMBOLS LEGEND

	SECTION MARK SHEET NUMBER
FTG EL	FTG DESIGNATION TOF EL, SEE DET ON (SS01) FOR REQD FROST DEPTH
	DEPRESSED FND WALL, POUR SLAB OVER, SEE FTG AND FND DETS ON (SS01)
S S	FTG STEP, SEE FTG AND FND DETS ON (SS01)
	FLR OFFSET, SEE FTG AND FND DETS ON (SS01)
	DEPRESSED SLAB, SEE ARCH PLANS FOR EXACT LOCATION AND EL
	CONC WALL, SEE SCHED ON (S301)
	MAS WALL, SEE SCHED ON (S301)
or	STL COL, SEE SCHED ON (S301)
	MAS COL, SEE SCHED ON (S301)
CW-X	CONC WALL, SEE SCHED ON (S301)
MW-X	MAS WALL, SEE SCHED ON (S301)
MW-X CW-X	CONC WALL BLW AND MAS WALL ABV, SEE SCHED ON (S301)
SC-x	STL COL, SEE SCHED ON (S301)
FC-x	CONT FTG, SEE SCHED ON (S301)
CJ	CONTROL JOINT, SEE FTG AND FND DETS ON (SS01)



B1 SP111 FOOTING AND FOUNDATION PLAN
NO SCALE:





B4 SP111 ROOF FRAMING PLAN
NO SCALE:

ROOF FRAMING PLAN NOTES:

1. VERIFY ROOF SLOPES, DRAINS, AND DECK BEARING ELEVATIONS WITH ARCHITECTURAL DRAWINGS. SEE ROOF FRAMING DETAILS ON SHEET (ST01).
2. VERIFY SIZE, WEIGHT, AND LOCATION OF ALL ROOF TOP MECHANICAL UNITS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. SEE ROOF FRAMING DETAILS ON SHEET (ST01) FOR STEEL FRAMES AT ALL ROOF TOP EQUIPMENT. COORDINATE OPENINGS WITH MECHANICAL, ELECTRICAL, AND GENERAL CONTRACTORS.
3. SEE ROOF FRAMING DETAILS ON SHEET (ST01) FOR MISCELLANEOUS MASONRY OPENINGS.
4. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR MASONRY CONTROL JOINTS.
5. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR TERMINATION OF HORIZONTAL REINFORCING AT ENDS OF MASONRY WALLS.
6. SEE ARCHITECTURAL PLANS FOR ALL STEEL COLUMN LOCATIONS (DIMENSIONS).

MARKS AND SYMBOLS LEGEND

	SECTION MARK SHEET NUMBER
	MTL ROOF DECK, SEE GSN ON (S101)
	MAS WALL, SEE SCHED ON (S301)
	BRG WALL BLW
or	STL COL, SEE SCHED ON (S301)
RD	ROOF DRAIN. SEE ARCH AND MECH FOR EXACT LOCATION. SEE DETAIL B1/SP701

DEC. 03, 2010
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12/02/2010

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
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FOOTING AND FOUNDATION PLAN AND ROOF FRAMING PLAN AT CHILLER

SP111

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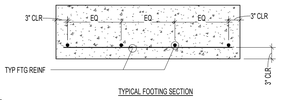
CONCRETE FOOTING SCHEDULE

MARK	WIDTH	LENGTH	DEPTH	REINFORCING CROSSWISE				REINFORCING LENGTHWISE				COMMENTS
				NO	SIZE	LENGTH	SPACING	NO	SIZE	LENGTH	SPACING	
FC2.0	2'-0"	CONT	12"	—	—	—	—	3	#4	CONT	EQ	
FC3.5	3'-5"	CONT	12"	1	#5	3'-0"	14"	3	#4	CONT	EQ	TOP AND BOTT

C2500-S2000



TYPICAL FOOTING SECTION

CONCRETE FOOTING NOTES:

1. PLACE ALL FOOTING REINFORCING IN BOTTOM OF FOOTING WITH 3" CLEAR CONCRETE COVER, UNLESS NOTED OTHERWISE.
2. TOP REINFORCING, WHERE SPECIFIED, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" MINIMUM CONCRETE COVER.
3. IF FOOTINGS ARE EARTH FORMED, FOOTING WIDTH AND LENGTH SHALL BE 6" WIDER AND LONGER THAN SCHEDULED.
4. SEE GENERAL STRUCTURAL NOTES FOR ALL OTHER REQUIREMENTS.
5. NOT ALL FOOTINGS ARE USED, SEE FOUNDATION PLAN FOR FOOTING MARKS.
6. RUN CONTINUOUS BARS IN 'FC' FOOTING THROUGH INTERSECTED 'FS' FOOTINGS.

D1 / SP301 CONCRETE FOOTING SCHEDULE
NO SCALE:

CONCRETE WALL SCHEDULE

MARK	THICKNESS	REINFORCING			WALL TYPE	COMMENTS
		VERTICAL	HORIZONTAL	TOP AND BOTTOM		
CW-14	14"	(2) #4 AT18"oc	(2) #4 AT14"oc	(2) #4	C	—

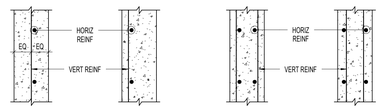
CONCRETE WALL NOTES:

1. SEE GENERAL STRUCTURAL NOTES FOR COVER AND OTHER REQUIREMENTS NOT NOTED IN SCHEDULE.
2. CONCRETE WALLS NOT DESIGNATED ON THE PLANS SHALL BE REINFORCED AS FOLLOWS:

THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
6"	#4 BARS AT 18"oc	#4 BARS AT 16"oc
8"	#4 BARS AT 18"oc	#4 BARS AT 12"oc
10"	#4 BARS AT 16"oc	#5 BARS AT 15"oc
12"	#4 BARS AT 18"oc EA FACE	#4 BARS AT 16"oc EA FACE

3. PLACE STEEL IN THE CENTER OF THE WALL (EXCEPT TYPE 'B' AND RETAINING WALLS). WALLS THICKER THAN 10" SHALL HAVE TWO CURTAINS OF REINFORCEMENT (PLACED NEAR EACH FACE OF THE WALL), UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.

WALL REINFORCEMENT PLACEMENT TYPES:



TYPE "A" TYPE "B" TYPE "C" TYPE "D"

D2 / SP301 CONCRETE WALL SCHEDULE
NO SCALE:

MASONRY WALL SCHEDULE

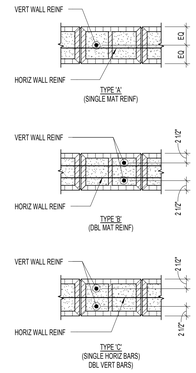
MARK	THICKNESS	MATERIALS	SOLID GROUT	REINFORCING			
				VERTICAL	HORIZONTAL	TYPE	JOINT
MW-08	8"	CMU	YES	(1) #5 AT 32"oc	(1) #5 AT 48"oc	A	YES
MW-08B	8"	CMU	YES	(1) #5 AT 24"oc	(1) #5 AT 48"oc	A	YES

MASONRY WALL NOTES:

1. COORDINATE WITH ARCHITECTURAL DRAWINGS, MASONRY WALL FINISHES, TYPES OF MATERIAL, COURSING, ETC.
2. DO NOT SOLID GROUT WALLS UNLESS NOTED OTHERWISE.
3. ALL MASONRY BELOW GRADE SHALL BE GROUTED SOLID.
4. VERTICAL REINFORCING SHALL BE CENTERED IN THE WALL UNLESS NOTED OTHERWISE.
5. (1) VERTICAL BARS MINIMUM AT ALL CORNERS AND END OF WALLS.
6. HORIZONTAL WALL REINFORCING SHALL BE PLACED BETWEEN VERTICAL MASONRY COLUMN REINFORCING BARS.
7. HORIZONTAL WALL REINFORCING SHALL CONTINUE THRU MASONRY LINTELS, WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE, USE THE LARGER REINFORCING.
8. MASONRY WALLS NOT DESIGNATED ON THE PLANS SHALL BE REINFORCED AS FOLLOWS:

THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
6"	#5 BARS AT 32"oc	#4 BARS AT 48"oc
8"	#5 BARS AT 32"oc	#5 BARS AT 48"oc
10"	#6 BARS AT 32"oc	#6 BARS AT 48"oc
12"	#6 BARS AT 32"oc	(2) #5 BARS AT 48"oc

9. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
10. MASONRY SHALL BE SPECIAL INSPECTED SEE GENERAL STRUCTURAL NOTES.
11. HORIZONTAL WALL REINFORCEMENT SPACING SHALL NOT EXCEED 48"oc OR THE WALL LENGTH.



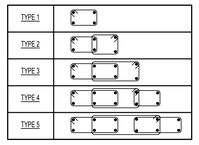
D3 / SP301 MASONRY WALL SCHEDULE
NO SCALE:

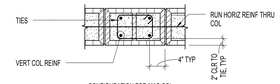
MASONRY COLUMN SCHEDULE

MARK	COLUMN SIZE	REINFORCING		
		VERTICAL	TIES	TYPE
MC-1	8" x 16"	(4) #5	#2 AT 8"oc	1
MC-2	8" x 24"	(6) #5	#2 AT 8"oc	2
MC-3	8" x 32"	(8) #5	#2 AT 8"oc	3
MC-4	8" x 40"	(10) #5	#2 AT 8"oc	4
MC-5	8" x 48"	(12) #5	#2 AT 8"oc	5

MASONRY COLUMN NOTES:

1. HORIZONTAL WALL REINFORCEMENT SHALL BE LOCATED TO THE INSIDE OF VERTICAL BARS. THE CENTERLINE OF VERTICAL BARS SHALL BE LOCATED 2 1/2" FROM FACE OF THE MASONRY.
2. UNLESS NOTED OTHERWISE, VERTICAL REINFORCING AND TIES SHALL EXTEND TO FULL WALL HEIGHT.
3. VERTICAL MASONRY COLUMN REINFORCING SHALL EXTEND INTO FOOTING AND TERMINATE WITH A STANDARD 90° HOOK. FOR CONCRETE FOUNDATION WALLS OVER 5'-0" TALL, VERTICAL COLUMN REINFORCING SHALL DOWEL 4'-0" MINIMUM INTO THE FOUNDATION WALL.
4. IN CONCRETE FOUNDATION WALLS, VERTICAL MASONRY COLUMN REINFORCING SHALL BE TIED WITH #3 TIES AT THE SAME SPACING AND CONFIGURATION AS MASONRY COLUMNS ABOVE.
5. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
6. SPACE TIES AT 48"oc FROM A POINT 24" ABOVE OPENINGS TO THE TOP OF THE WALL.





CONFIGURATION FOR MAS COL

D5 / SP301 MASONRY COLUMN SCHEDULE
NO SCALE:

MASONRY REINFORCING BAR LAP SPLICE SCHEDULE

REBAR SIZE	SINGLE BAR CENTERED IN CELL																	
	THICKNESS			THICKNESS			THICKNESS			THICKNESS			THICKNESS			THICKNESS		
	8"	10"	12"	8"	10"	12"	8"	10"	12"	8"	10"	12"	8"	10"	12"	8"	10"	12"
	f'm = 1500psi			f'm = 1800psi			f'm = 2000psi			f'm = 2500psi			f'm = 3000psi			f'm = 3500psi		
#3	16"			15"			15"			15"			15"			15"		
#4	22"			20"			20"			20"			20"			20"		
#5	26"			25"			25"			25"			25"			25"		
#6	43"	40"		40"	36"		38"	34"		34"	31"		31"	30"		30"		
#7	60"	46"		55"	42"		52"	40"		46"	36"		42"	35"		39"	35"	
#8	72"	72"	61"	72"	64"	56"	72"	64"	53"	71"	55"	47"	56"	50"	43"	60"	46"	40"
#9	82"	82"	74"	82"	82"	68"	82"	79"	64"	82"	71"	57"	82"	64"	52"	82"	60"	48"
	FLUSH WALL PILASTER OR COLUMN, TWO BARS IN EACH CELL																	
#3	16"			15"			15"			15"			15"			15"		
#4	22"			20"			20"			20"			20"			20"		
#5	32"			29"			28"			25"			25"			25"		
#6	54"			54"			51"			46"			42"			39"		
#7	63"			63"			63"			63"			57"			53"		
#8	72"			72"			72"			72"			72"			72"		
#9	82"			82"			82"			82"			82"			82"		

MASONRY REINFORCING BAR LAP SPLICE NOTES:

1. MECHANICAL SPLICES ARE REQUIRED FOR BARS IN MASONRY GREATER THAN #9 BARS.
2. MECHANICAL SPLICES MAY BE USED IN LIEU OF LAP SPLICES SHOWN.
3. MECHANICAL SPLICES SHALL DEVELOP 125% OF SPECIFIED YIELD STRENGTH OF BAR.
4. MASONRY DEVELOPMENT LENGTHS SHOWN SHALL BE INCREASED BY 50% WHERE REBAR IS COATED WITH EPOXY.

B3 / SP301 MASONRY REINFORCING BAR LAP SPLICE SCHEDULE
NO SCALE:

STEEL COLUMN SCHEDULE

MARK	SIZE	STEEL BASE PLATE	STEEL CAP PLATE THICKNESS	COMMENTS
SC-01	W6x20	SEE DETAIL (B5/SP701)	SEE DETAIL (C1/SP701)	—
SC-02	HSS6x2x3/16	SEE DETAIL (C3/SP501)	SEE DETAIL (D3/SP701)	

B4 / SP301 STEEL COLUMN SCHEDULE
NO SCALE:

STEEL ANGLE LINTEL SCHEDULE (NON-STRUCTURAL)

CLEAR OPENING	SIZE OF ANGLE
UP TO 5'-0"	3 1/2" x 3" x 1/4"
5'-1" TO 7'-0"	3 1/2" x 3 1/2" x 1/4"
7'-1" TO 9'-0"	5" x 3 1/2" x 1/4"
9'-1" TO 10'-0"	5" x 3 1/2" x 5/16"
10'-1" TO 11'-0"	5" x 3 1/2" x 3/8"
11'-1" TO 12'-0"	6" x 4" x 3/8"
12'-1" AND OVER	REQUIRES SPECIAL ANALYSIS

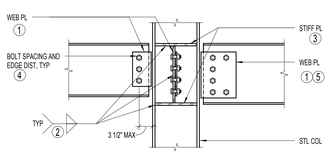
NOTE:
1. LINTELS CARRY VENEER ONLY. WHERE FLOORS, ROOFS OF CONCENTRATED LOADS OCCUR, FURTHER ANALYSIS IS NECESSARY. PROVIDE 1" OF BEARING EACH END FOR EACH FOOT OF SPAN. MINIMUM BEARING OF 8" EACH SIDE OF OPENING. USE THIS SCHEDULE UNLESS NOTED OTHERWISE.
2. LINTELS ARE TO BE GALVANIZED.

B5 / SP301 STEEL ANGLE LINTEL SCHEDULE (NON-STRUCTURAL)
NO SCALE:

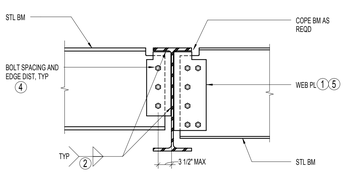
A-325 BOLT SCHEDULE

MAXIUMU BEAM SIZE IN EACH BEAM DEPTH GROUP	A-325N BOLTS	
	No. PER BEAM	SIZE
W8	2	7/8"Ø
W10	2	7/8"Ø
W12	3	7/8"Ø
W14	3	7/8"Ø
W16	4	7/8"Ø
W18	5	7/8"Ø
W21	6	7/8"Ø
W24	7	7/8"Ø
W27	7	7/8"Ø
W30	8	7/8"Ø
W33	9	7/8"Ø
W36	10	7/8"Ø
W40	11	7/8"Ø
W44	12	7/8"Ø

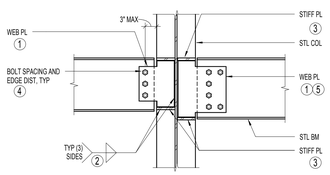
1. BEAM WEB CONNECTION PLATES. THICKNESS EQUALS THE BEAM WEB THICKNESS PLUS 1/8" (1/2" MIN).
2. FILLET WELDS SHALL BE AS FOLLOWS:
   ONE SIDE: PLATE THICKNESS MINUS 1/16" (1/4" MINIMUM)
   TWO SIDES: 1/2" PLATE THICKNESS PLUS 1/16" (1/4" MINIMUM) EACH SIDE.
3. THICKNESS EQUALS BEAM FLANGE THICKNESS OF BEAM FRAMING INTO COLUMN WEB (3/8" MINIMUM).
4. BOLT EDGE DISTANCE SHALL BE 1 1/2" MINIMUM AT ALL EDGES. BOLT SPACING SHALL BE AT 3". BOLT SPACING MAY BE REDUCED TO 3x THE BOLT DIAMETER IF IT IS REQUIRED FOR A SINGLE ROW OF BOLTS. A SINGLE ROW OF BOLTS IS PREFERRED.
5. WHEN MORE THAN ONE COLUMN OF BOLTS IS NEEDED, THE FIRST COLUMN SHALL BE COMPLETE WITH THE REMAINDER OF THE BOLTS PLACED IN THE SECOND COLUMN.
6. CLIP ANGLES: L3x3 1/2. THICKNESS SHALL BE EQUAL TO ONE HALF THE BEAM WEB THICKNESS PLUS 1/16" (1/4" MIN). FOR TWO ROWS OF BOLTS OR SKEWED CONNECTIONS, USE BENT PLATES. WHERE COLUMN WIDTH IS SMALLER THAN THE CONNECTING CLIP ANGLES, ANGLE LEGS MAY BE REDUCED TO MATCH WIDTH OF COLUMN.



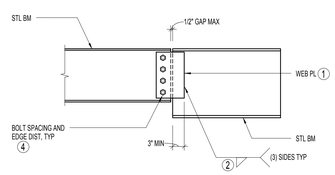
BEAM TO WIDE FLANGE COLUMN WEB PLATE CONNECTION



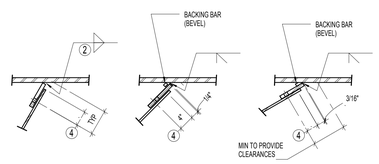
BEAM TO BEAM WEB PLATE CONNECTION



BEAM TO WIDE FLANGE COLUMN WEB PLATE CONNECTION



BEAM TO PARALLEL BEAM WEB PLATE CONNECTION



CONDITION A FOR SKEWS UP TO 30 DEGREES

CONDITION B FOR SKEWS OVER 30 TO 45 DEGREES

CONDITION C FOR SKEWS OVER 45 TO 60 DEGREES

SHEAR CONNECTOR PLATES AT SKEWED MEMBERS

A1 / SP301 TYPICAL BOLTED WEB PLATE CONNECTIONS WITH BOLT SCHEDULE (SINGLE SHEAR)
NO SCALE:

DEC. 03, 2010
CONFORMED CONSTRUCTION DOCUMENTS BID SET

NOTE:
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DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

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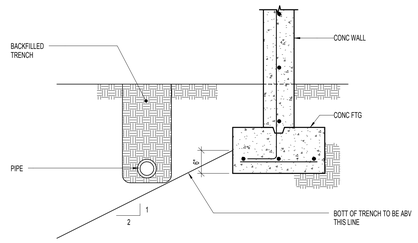
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

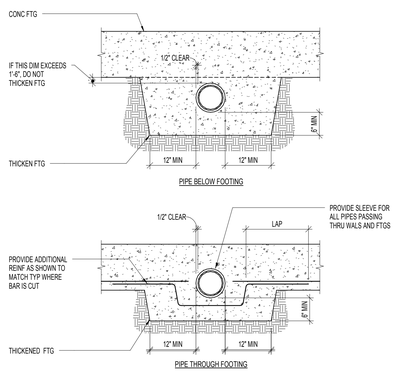
CHILLER SCHEDULES

SP301

12/2/2010 9:01:07 AM



D1 SP501 TYPICAL PIPE PARALLEL TO FOOTING
NO SCALE:



D2 SP501 TYPICAL PIPE PERPENDICULAR TO FOOTING
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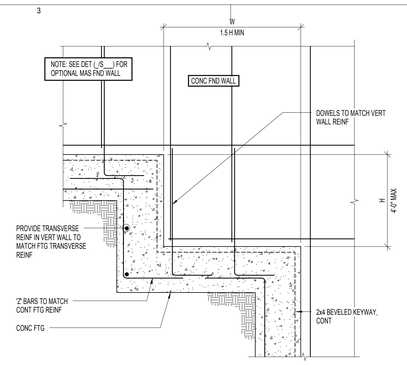
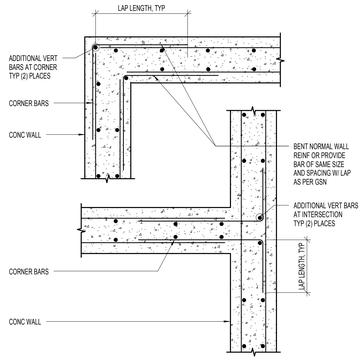
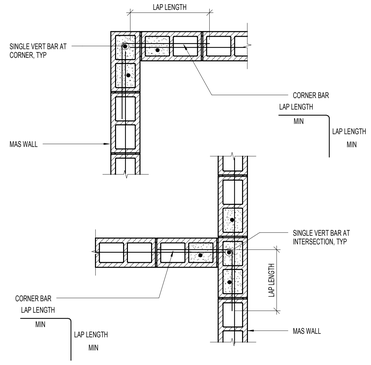


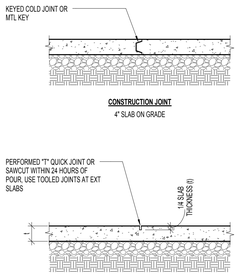
D3 SP501 TYPICAL FOOTING STEP AT CONCRETE FOUNDATION WALL
NO SCALE:

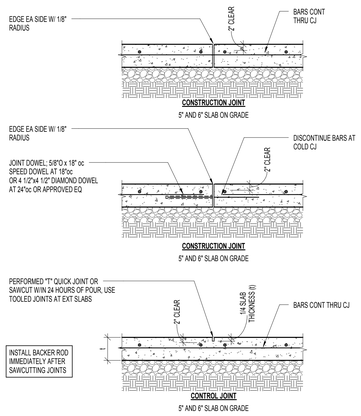


D4 SP501 TYPICAL CORNER WALL REINFORCING FOR DOUBLE CONCRETE WALLS (PLAN VIEW)
NO SCALE:

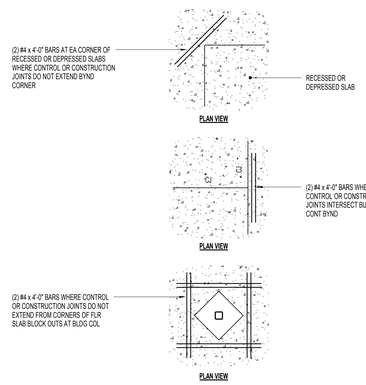


D5 SP501 TYPICAL CORNER WALL REINFORCING FOR SINGLE REINFORCED MASONRY WALLS (PLAN VIEW)
NO SCALE:

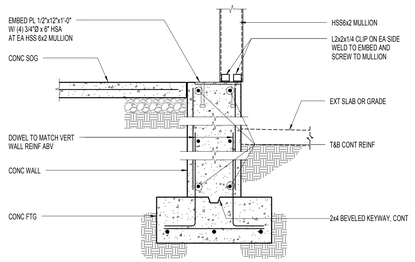




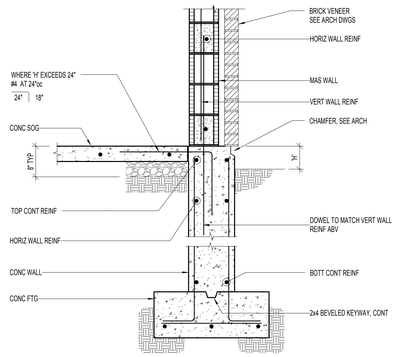
C1 SP501 TYPICAL SLAB ON GRADE JOINT
NO SCALE:



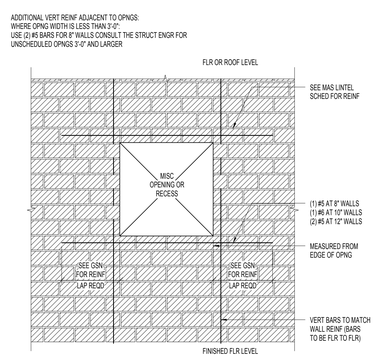
C2 SP501 TYPICAL LOCATIONS REQUIRING ADDITONAL SLAB REINFORCING STEEL
NO SCALE:



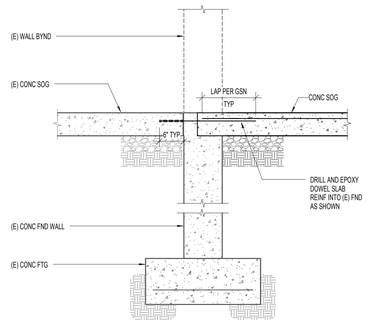
C3 SP501 TYPICAL FOUNDATION WALL AT WINDOW
NO SCALE:

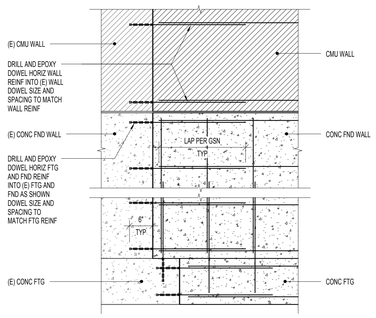


C4 SP501 TYPICAL SINGLE MAT REINFORCING MASONRY WALL ON CONCRETE FOUNDATION WALL
NO SCALE:

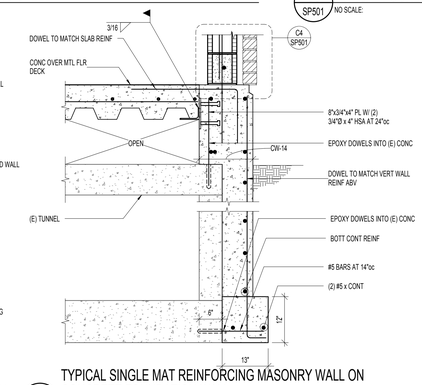


C5 SP501 TYPICAL REINFORCING DETAIL FOR MISCELLANEOUS MASONRY WALL OPENINGS AND RECESSES
NO SCALE:





B1 SP501 SLAB DETAIL TO EXISTING FOUNDATION AT WALL OPENING
NO SCALE:



B2 SP501 TYPICAL FOUNDATION DETAIL TO EXISTING FOUNDATION
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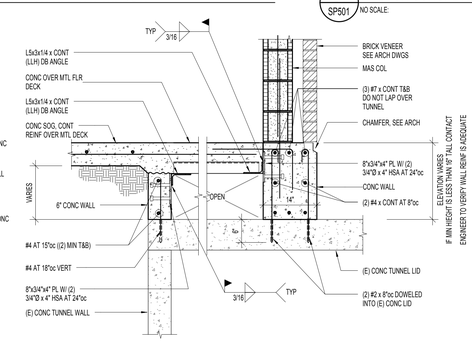

B3 SP501 TYPICAL SINGLE MAT REINFORCING MASONRY WALL ON CONCRETE FOUNDATION WALL
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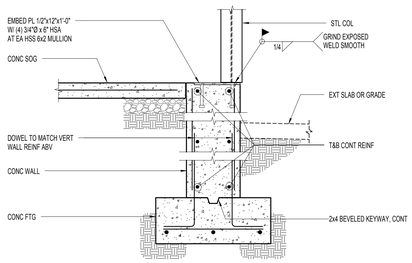

B4 SP501 FOUNDATION DETAIL AT EXISTING TUNNEL
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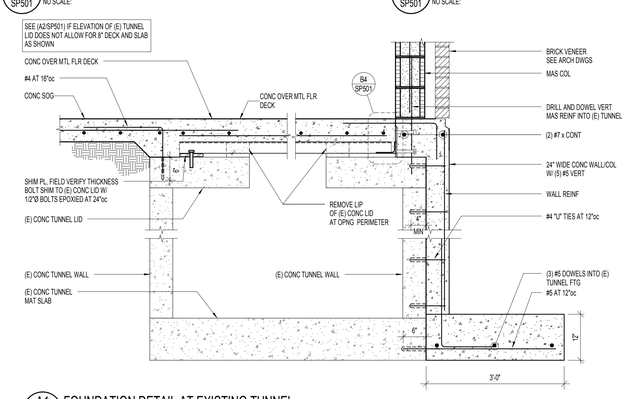
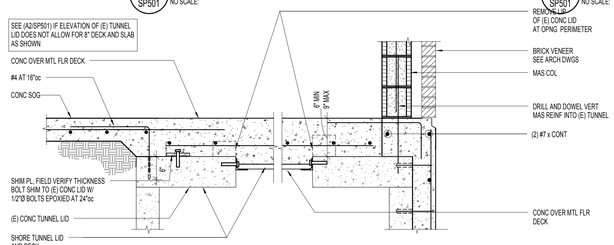
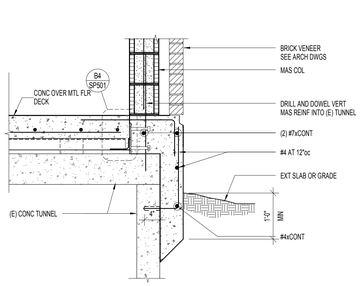


A1 SP501 FOUNDATION DETAIL AT EXISTING TUNNEL
NO SCALE:



A2 SP501 FOUNDATION DETAIL AT EXISTING TUNNEL
NO SCALE:



A3 SP501 FOUNDATION DETAIL AT EXISTING TUNNEL
NO SCALE:

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Dunn Job #:	10004
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

FOOTING AND FOUNDATION DETAILS AT CHILLER

SP501

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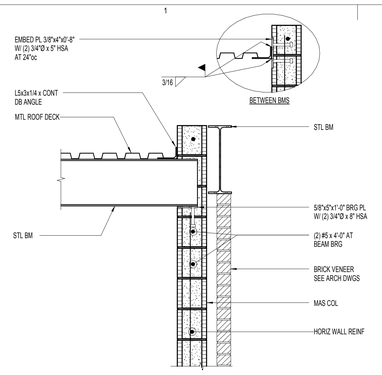
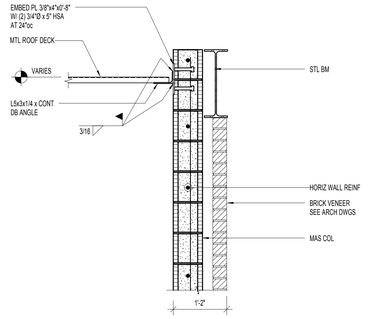
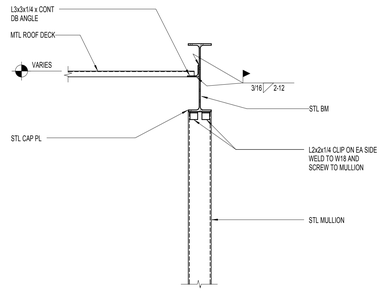


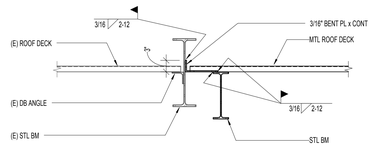
D1 SP701 STEEL BEAM AT MASONRY WALL
NO SCALE:



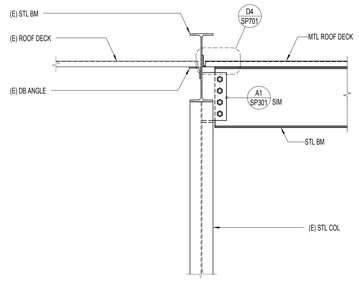
D2 SP701 STEEL DECK AT MASONRY WALL
NO SCALE:



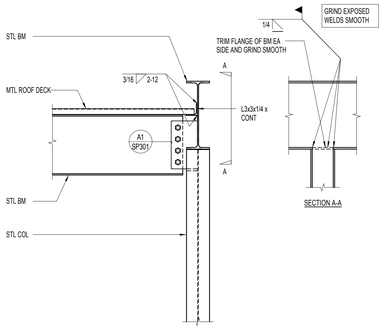
D3 SP701 STEEL BEAM AT MULLION
NO SCALE:



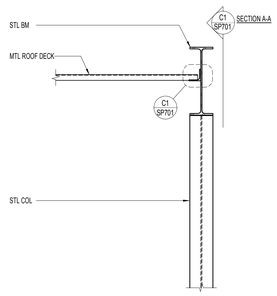
D4 SP701 STEEL BEAM AT EXISTING BUILDING EDGE
NO SCALE:



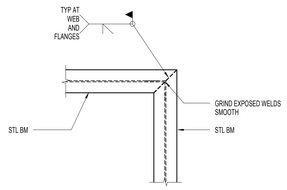
D5 SP701 STEEL BEAM CONNECTION DETAIL TO EXISTING STRUCTURE
NO SCALE:



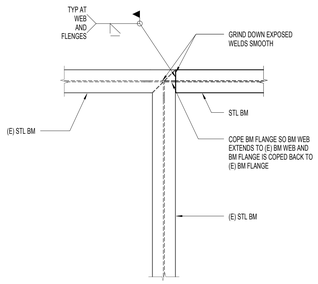
C1 SP701 STEEL BEAM TO STEEL BEAM CONNECTION AT STEEL COLUMN
NO SCALE:



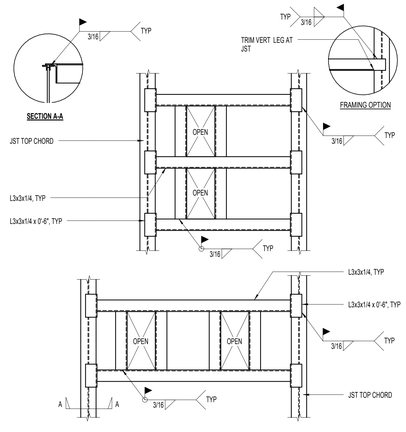
C2 SP701 STEEL BEAM TO STEEL BEAM CONNECTION AT STEEL COLUMN
NO SCALE:

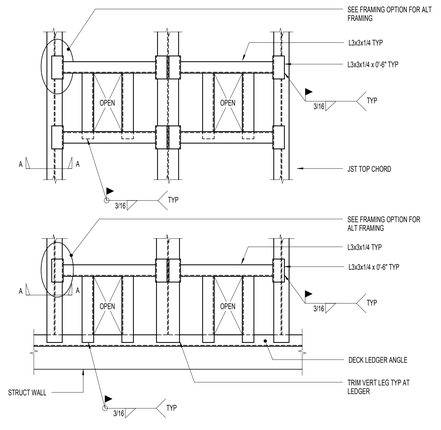


C3 SP701 MITER CONNECTION AT W18x35
NO SCALE:



C4 SP701 MITER CONNECTION AT EXISTING W18x35
NO SCALE:





B1 SP701 TYPICAL ROOF DRAIN SUPPORT (PLAN VIEW)
NO SCALE:

DEC. 03, 2010
CONFORMED CONSTRUCTION
DOCUMENTS BID SET

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ROOF FRAMING
DETAILS AT CHILLER

SP701

12/2/2010 9:01:10 AM

MECHANICAL LEGEND

SYMBOL	ABR.	DESCRIPTION
		GENERAL TERMINOLOGY
A / ME-101		SECTION LETTER DESIGNATION SECTION DRAWN ON THIS SHEET
A2		DETAIL NUMBER DESIGNATION CORRESPONDING WITH GRID LOCATION
1 / AH		MECHANICAL EQUIPMENT DESIGNATION EQUIPMENT ITEM DESIGNATION
1		REVISION DESIGNATOR AND NUMBER
1		KEY NOTE DESIGNATOR AND NUMBER
	POC	POINT OF CONNECTION
	POR	POINT OF REMOVAL
AFF		ABOVE FINISHED FLOOR
AP		ACCESS PANEL
℄ EL.		CENTER LINE ELEVATION
INV. ELEV.		INVERT ELEVATION
GC		GENERAL CONTRACTOR
MC		MECHANICAL CONTRACTOR
ATC		CONTROL CONTRACTOR
EC		ELECTRICAL CONTRACTOR
FPC		FIRE PROTECTION CONTROL
NIC		NOT IN CONTRACT
NTS		NOT TO SCALE
C		COMMON

SYMBOL	ABR.	DESCRIPTION
		EXISTING EQUIPMENT TO BE REMOVED
		EXISTING EQUIPMENT TO REMAIN
		NEW EQUIPMENT
EA		EXHAUST AIR
OA		OUTSIDE AIR

SYMBOL	ABR.	DESCRIPTION
	PSD	PUMP SUCTION DIFFUSER
		UNION
		MANUAL ACTUATOR (BALL, BUTTERFLY, NEEDLE, ETC. VALVES)
		MANUAL ACTUATOR (GATE, GLOBE, S&D, OS&Y, ETC. VALVES)
		THREADED OR SWEAT VALVE CONNECTION
		FLANGED VALVE CONNECTION
		BUTTERFLY VALVE
		GATE VALVE
M		MOTORIZED 2-WAY CONTROL VALVE
M		MOTORIZED 3-WAY CONTROL VALVE
		CHECK VALVE
	PRV	PRESSURE REDUCING VALVE
	CBV	CIRCUIT BALANCING VALVE
	BV	BALL VALVE SCREWED
	TDV	TRIPLE DUTY VALVE - STRAIGHT
		DIRECTION OF FLOW
		FLANGES
		WAFER TYPE CHECK VALVE
		MANUAL AIR VENT
		STRAINER
		STRAINER W/ PLUGGED BLOW OFF
		FLEXIBLE CONNECTION FLANGED
		PRESSURE GAUGE AND GAUGE COCK -WATER
		THERMOMETER AND THERMOWELL
S		WATER TEMPERATURE SENSOR AND THERMOWELL
— CWS —		CONDENSER WATER SUPPLY
— CWR —		CONDENSER WATER RETURN

SYMBOL	ABR.	DESCRIPTION
		PITCH DOWN
		ELBOW UP
		ELBOW DOWN
		TEE UP
		TEE DOWN
		EXISTING PIPING TO BE REMOVED
		EXISTING PIPING TO REMAIN
		NEW PIPING
		PIPE CAP OR PLUG
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
— CD —		CONDENSATE DRAIN
— CF —		CHEMICAL FEED LINE
— MU —		MAKE-UP WATER LINE
	CW	CULINARY COLD WATER
	HW	CULINARY HOT WATER
— D —		DRAIN
— EJ —		EXPANSION JOINT
— A —		PIPE ANCHOR
— PS —		PIPE SUPPORT
— CHWS —		CHILLED WATER SUPPLY
— CHWR —		CHILLED WATER RETURN
— HTWS —		HIGH TEMPERATURE HEATING WATER SUPPLY
— HTWR —		HIGH TEMPERATURE HEATING WATER RETURN

MECHANICAL GENERAL NOTES:

G-1 MECHANICAL INFORMATION NOTED ON THIS SHEET IS LIMITED TO THE TUNNEL PIPING AND THE CHILLER CENTRAL PLANT ADDITION.

A - EACH DRAWING SHEET AND THE SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN AND NOTED ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN ALL PLACES. ITEMS IN SPECIFICATIONS OR DRAWINGS LISTED WHICH ARE DIFFERING IN EFFICIENCY OR QUALITY SHALL BE HELD TO THE GREATEST OF EFFICIENCY, QUALITY OR GOVERNING CODE.

B - THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS ACCORDING TO THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS.

C - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH PROPER SERVICE ACCESS AND CLEARANCES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL REVIEW SUPPLIERS BID PACKAGES FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS, SCHEDULES, AND DESIGN INTENT (ALL EQUIPMENT AND METHODS). THE CONTRACTOR SHALL REMOVE AND REINSTALL CORRECTLY AT HIS OWN EXPENSE ANY EQUIPMENT NOT IN COMPLIANCE.

D - THE CONTRACTOR SHALL CONSULT MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ELECTRICAL REQUIREMENTS, METHODS, ACCESSORIES, AND CLEARANCES IN SPACE AVAILABLE PRIOR TO BIDDING PROJECT.

E - ANYTHING NOT CLEAR OR IN CONFLICT WILL BE EXPLAINED BY MAKING APPLICATION TO THE ARCHITECT IN WRITING.

G-2 ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO CHANGES FOR APPROVAL. CONTRACTOR SHALL NOT START ANY CHANGES UNTIL NOTIFIED IN WRITING. IF CHANGES ARE MADE PRIOR TO APPROVAL CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR THE CHANGES MADE AND ALL COSTS RELATING TO FAILURE OR REPLACEMENT OF ALTERATIONS.

G-3 CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS , EQUIPMENT LOCATIONS AND ALL TIE-IN LOCATIONS. COORDINATE WITH ELECTRICAL DRAWINGS/

G-4 THE WORKING DRAWINGS ARE DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR MECHANICAL EQUIPMENT AND PIPING SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL DRAWINGS.

G-5 THE INSTRUCTION TO "PROVIDE" ALSO INCLUDES INSTALLATION.

G-6 THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY IN HANDLING AND DISPOSING OF REFRIGERANTS, OILS, ETC. ALL SUCH MATERIALS SHALL BE HANDLED, DISPOSED, AND USED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.

G-7 SUPPLIERS SHALL REVIEW ALL DRAWINGS AND THE SPECIFICATIONS PRIOR TO SUBMITTING PRICES TO THE CONTRACTOR. ALL QUESTIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING. IF EQUIPMENT IS SUPPLIED THAT DOES NOT FIT OR IS THE WRONG ORIENTATION, NEW EQUIPMENT SHALL BE SUPPLIED AND THE WRONG EQUIPMENT REMOVED AT THE EXPENSE OF THE CONTRACTOR AND SUPPLIER.

G-8 CONTRACTOR SHALL THOROUGHLY REVIEW AND SIGN SUBMITTALS FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS PRIOR TO ENGINEERS REVIEW. SUPPLIERS SHALL HIGHLIGHT OR MARK ALL INFORMATION REQUIRED TO SHOW COMPLIANCE TO THE SPECIFICATIONS. ALL REQUESTED EXCEPTIONS TO THE SPECIFICATIONS, OR SCHEDULES SHALL BE CLEARLY NOTED AND EXPLAINED. SUBMITTAL REVIEW AND ACCEPTANCE IS FOR DESIGN CONCEPT ONLY, AND DOES NOT AT ANY TIME RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO MEET SPECIFICATIONS, CAPACITIES, OR DESIGN INTENT.

G-9 ALL MECHANICAL WORK, EQUIPMENT, PIPING ETC. SHALL BE INSTALLED AND CONFORM TO THE 2009 EDITION OF THE IMC AND IPC WITH UTAH ANNOTATIONS.

G-10 CONTRACTOR SHALL BE RESPONSIBLE FOR DRAINING THE EXISTING CHILLED AND HIGH TEMP. HOT WATER SYSTEMS, AND FILLING THE NEW SYSTEMS COMPLETE WITH NECESSARY CHEMICALS. CONTRACTOR SHALL COORDINATE WITH DIXIE STATE COLLEGE ON DRAINING, RE-FILLING, AND PROPER CHEMICALS USED IN THEIR SYSTEM.

NOTE:

1. THIS SHEET CONTAINS A LIST OF DRAWINGS FOR THE NEW PIPING IN THE EXTENDED TUNNEL AND THE ADDITION TO THE EXISTING CENTRAL CHILLER PLANT. THESE DRAWINGS ARE PART OF A FULL SET OF DRAWINGS FOR THE PROJECT. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE RESPONSIBLE FOR THE INFORMATION CONTAINED IN THESE DRAWINGS, AS WELL AS ANY OTHER DRAWINGS AND SPECIFICATIONS. IF ANY PERSON, PARTY OR ENTITY ELECTS TO SUBMIT BIDS FOR ANY PORTION, OR ALL, OF THIS PROJECT, THAT PERSON, PARTY OR ENTITY SHALL BE RESPONSIBLE FOR ANY AND ALL INFORMATION CONTAINED IN THE FULL SET OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDUMS OR CLARIFICATIONS THAT MAY BE ISSUED.
2. THESE DOCUMENTS SHOW THE DESIGN INTENT. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE EVERYTHING SHOWN ON THE DRAWINGS OR SPECIFIED REGARDLESS OF WHERE IT IS SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS. FOR EXAMPLE; SOME MILLWORK DETAILS HAVE STEEL FRAMES WHICH MAY BE PROVIDED BY DIVISION 05 OR WITH THE MILLWORK AT THE CONTRACTOR'S DISCRETION, BUT IT SHALL BE PROVIDED AS PART OF THE OVER ALL CONTRACT.
3. EVERYTHING CALLED FOR IN THESE DOCUMENTS SHALL BE "NEW" AND PROVIDED BY THE CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT UNLESS NOTED OTHERWISE AS EXISTING (EXIST), NOT IN CONTRACT (NIC) OR FOR REFERENCE ONLY. FURNISHINGS SHOWN DASHED SHALL BE FOR REFERENCE ONLY.

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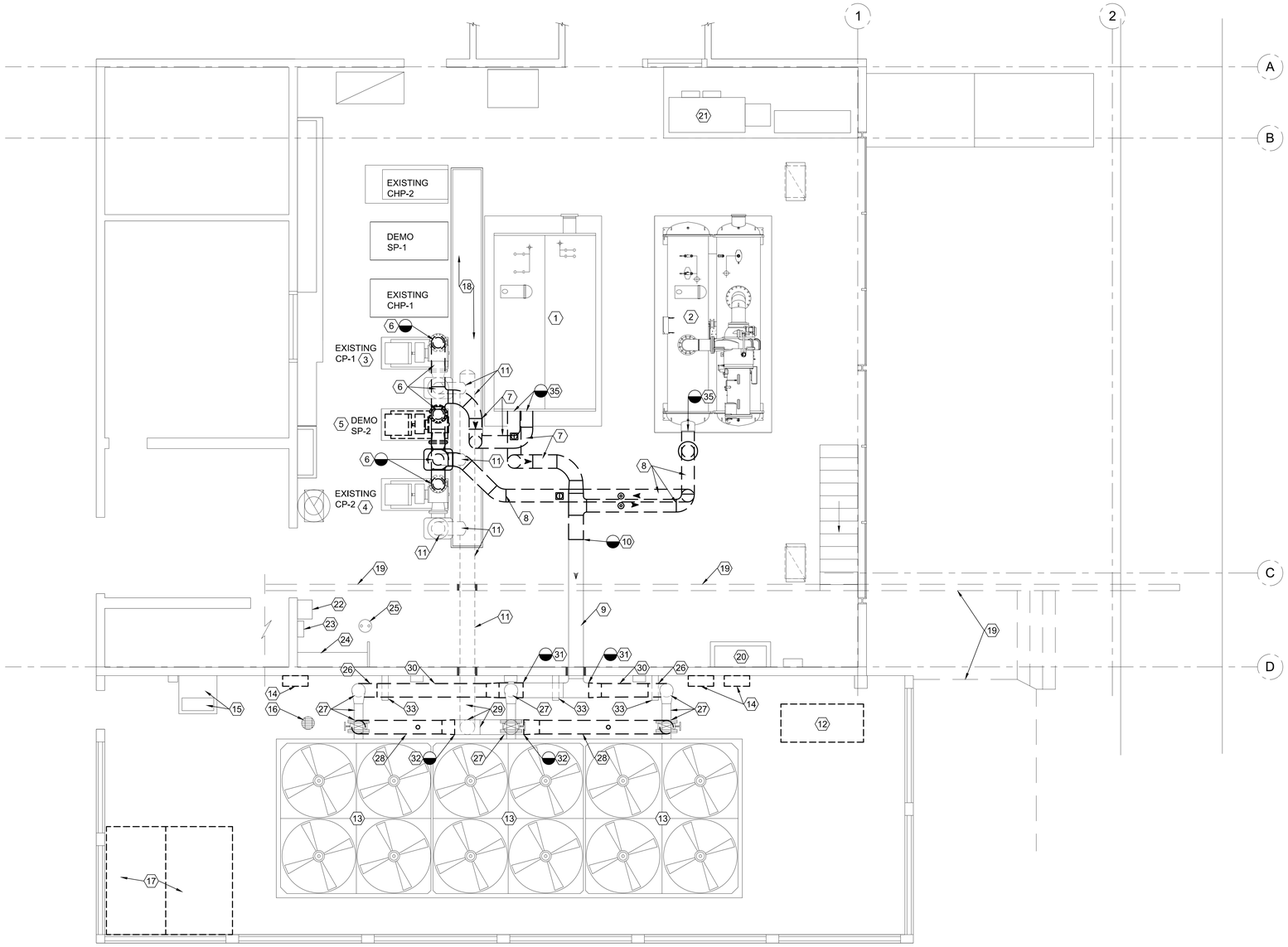
MECHANICAL PLANT GENERAL NOTES AND LEGEND

MPG001



MECHANICAL PLANT CHILLER ROOM CONDENSER WATER PIPING DEMOLITION PLAN

1/4" = 1' - 0"

SHEET NOTES:

1. EXISTING CHILLER (CH-1) SHALL REMAIN.
2. EXISTING CHILLER (CH-2 SHALL REMAIN.
3. EXISTING CONDENSER WATER PUMP (CP-1) SHALL REMAIN.
4. EXISTING CONDENSER WATER PUMP (CP-2) SHALL REMAIN.
5. REMOVE EXISTING SPARE CONDENSER WATER PUMP (SP-2) INCLUDING SUCTION SIDE PIPING TO AND INCLUDING SUCTION DIFFUSER. EXISTING CONCRETE PAD SHALL REMAIN. DISCHARGE PIPING INCLUDING VALVES ETC. SHALL REMAIN UP AND INCLUDING TRIPLE DUTY VALVE. 12"x10" REDUCER SHALL BE REMOVED AND REPLACED WITH A 12"x8" REDUCER.
6. REMOVE EXISTING CONDENSER WATER HEADER.
7. REMOVE EXISTING CONDENSER WATER SUPPLY AND RETURN PIPING, VALVES, ETC. SERVING CHILLER (CH-1).
8. REMOVE EXISTING CONDENSER WATER SUPPLY AND RETURN PIPING, VALVES, ETC. SERVING CHILLER (CH-2).
9. EXISTING 14" CONDENSER WATER RETURN PIPING SHALL REMAIN.
10. CUT EXISTING 14" CONDENSER WATER RETURN AT THIS APPROXIMATE POINT. FIELD VERIFY EXACT LOCATION AND COORDINATE WITH SHEET MPE101.
11. EXISTING 14" CONDENSER WATER SUPPLY UNDER FLOOR AND IN TRENCH SHALL REMAIN.
12. EXISTING ELECTRICAL GENERATOR SHALL BE REMOVED BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL DRAWINGS.
13. EXISTING COOLING TOWER SHALL BE REMODELED TO ORIGINAL REQUIREMENTS PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR SHALL CONTRACT WITH COOLING TOWER REPRESENTIVE FOR MANUFACTURERS CERTIFIED TECHNICIAN TO VISIT SITE FOR MODIFICATIONS.
14. REMOVE EXISTING COOLING TOWER CONTROL PANELS.
15. EXISTING CONCRETE PAD AND AIR COOLED CONDENSING UNIT SHALL REMAIN.
16. EXISTING DRAIN SHALL REMAIN.
17. REMOVE EXISTING STORAGE SHED AND RELOCATE PER DIXIE STATE COLLEGE.
18. EXISTING TRENCH.
19. OUTLINE OF TUNNEL WALL BELOW FLOOR.
20. EXISTING (CH-1) STARTER SHALL REMAIN. SEE ELECTRICAL DRAWINGS.
21. EXISTING (CH-2) STARTER SHALL REMAIN. SEE ELECTRICAL DRAWINGS..
22. EXISTING WATER COOLER SHALL REMAIN.
23. EXISTING STORAGE CABINET SHALL REMAIN.
24. EXISTING WATER TREATMENT BENCH, PUMPS, CONTROLS, PIPING, ETC. SHALL REMAIN.
25. EXISTING EMERGENCY EYE WASH SHALL REMAIN.
26. REMOVE EXISTING 12" 90° ELL BELOW RISER AT END CELLS.
27. RISER 12"x8" REDUCING ELL, VALVE AND CONNECTION TO EXISTING TOWER SHALL REMAIN.
28. REMOVE EXISTING 12" CONDENSER WATER SUPPLY.
29. EXISTING 14" CONDENSER WATER SUPPLY ABOVE AND BELOW PAD SHALL REMAIN.
30. REMOVE EXISTING 12" CONDENSER WATER RETURN PIPING AS SHOWN.
31. CUT EXISTING 14" CWR PIPING AT THIS LOCATION.
32. CUT EXISTING 14" CWS PIPING AT THIS LOCATION.
33. EXISTING PIPE SUPPORTS SHALL REMAIN.
34. SEE SHEET MPE101 FOR ALL MODIFICATIONS AND ADDITIONS TO THIS AREA.
35. REMOVE CONDENSATE SUPPLY AND RETURN PIPING AT CHILLER CONNECTIONS.

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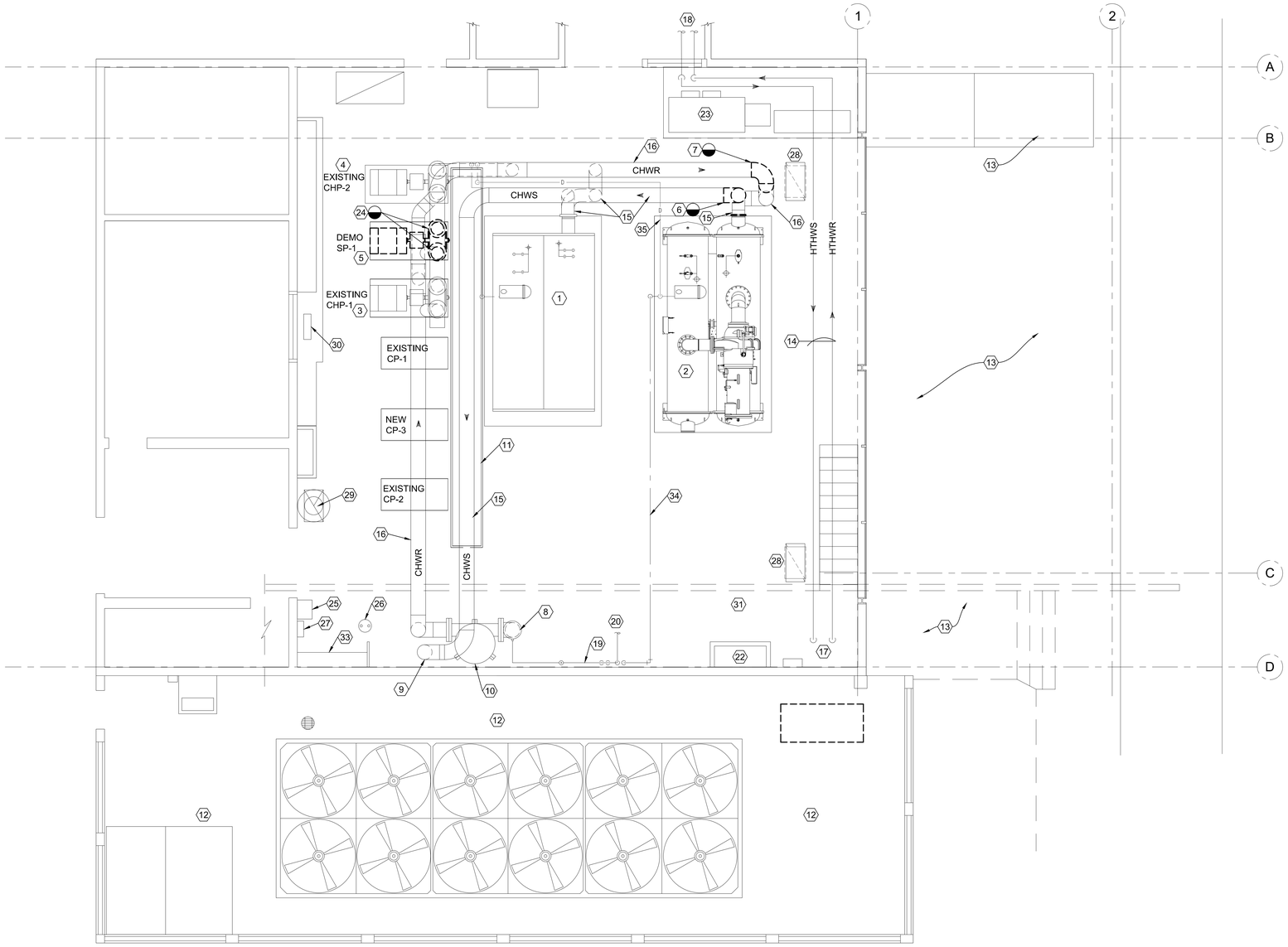
MECHANICAL PLANT CHILLER ROOM CONDENSATE WATER PIPING DEMOLITION PLAN

MPD101



MECHANICAL PLANT CHILLER ROOM CHILLED WATER PIPING DEMOLITION PLAN

1/4" = 1' - 0"

SHEET NOTES:

1. EXISTING CHILLER (CH-1) SHALL REMAIN.
2. EXISTING CHILLER (CH-2 SHALL REMAIN.
3. EXISTING CHILLED WATER PUMP (CHP-1) SHALL REMAIN.
4. EXISTING CHILLED WATER PUMP (CHP-2) SHALL REMAIN.
5. REMOVE EXISTING SPARE CHILLED WATER PUMP (SP-1). EXISTING PIPING SHALL REMAIN EXCEPT REPLACE 12"x10" REDUCER ON DISCHARGE SIDE TO 12"x8" REDUCER.
6. CUT EXISTING 14" CHILLED WATER SUPPLY AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION. REMOVE 90° ELL AND ANY PIPING NECESSARY FOR NEW CONNECTION. RISER AND CONNECTION TO CHILLER SHALL REMAIN. SEE SHEET MPE102 FOR NEW CONNECTION.
7. CUT EXISTING 14" CHILLED WATER RETURN AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION. REMOVE 90° ROTATED ELL AND 45° ELL. RISER AND CONNECTION TO CHILLER SHALL REMAIN. SEE SHEET MPE102 FOR NEW CONNECTIONS.
8. EXISTING 14" CHWR FROM TUNNEL THROUGH FLOOR SHALL REMAIN.
9. EXISTING 14 CHWS THROUGH FLOOR TO TUNNEL SHALL REMAIN.
10. EXISTING FLOOR MOUNTED AIR SEPARATOR SHALL REMAIN.
11. EXISTING TRENCH DRAIN.
12. SEE SHEET MD101 FOR INFORMATION CONCERNING THIS AREA.
13. SEE ARCHITECTURAL DRAWINGS FOR DEMOLITION OF SITE FOR NEW BUILDING ADDITION.
14. EXISTING HTHW SUPPLY AND RETURN SHALL REMAIN. PROTECT DURING REMOVAL OF GLASS WINDOWS AND WALLS.
15. EXISTING 14" CHILLED WATER SUPPLY SHALL REMAIN.
16. EXISTING 14" CHILLED WATER RETURN SHALL REMAIN.
17. EXISTING 6"Ø HTHWS AND HTHWR THROUGH FLOOR TO TUNNEL BELOW, SHALL REMAIN.
18. EXISITING 6"Ø HTHWS AND HTHWR TO BOILER ROOM SHALL REMAIN.
19. EXISTING WATER HEADER PRV AND BACK FLOW PREVENTER SHALL REMAIN.
20. EXISTING COOLING TOWER MAKE-UP WATER LINE AND CONNECTION TO EXISTING 14" CWR SHALL REMAIN.
21. SEE SHEET MPE102 FOR WATER SUPPLY MODIFICATION TO PUMP OUT UNIT ON NEW CHILLER (CH-3).
22. EXISTING CHILLER (CH-1) STARTER SHALL REMAIN. SEE ELECTRICAL DRAWINGS.
23. EXISTING CHILLER (CH-2) STARTER SHALL REMAIN. SEE ELECTRICAL DRAWINGS.
24. REMOVE EXISTING PUMP CONNECTIONS AND ADJUST FOR NEW PUMP CONNECTIONS. SEE NOTE 5 ABOVE.
25. EXISTING WATER COOLER SHALL REMAIN.
26. EXISTING EMERGENCY EYE WASH SHALL REMAIN.
27. EXISTING STORAGE CABINET SHALL REMAIN.
28. EXISTING EMERGENCY OUTSIDE AIR INLET AND DAMPER SHALL REMAIN.
29. EXISTING EMERGENCY EXHAUST FAN AND DUCT SHALL REMAIN.
30. EXISTING REFRIGERANT DETECTION CONTROL PANEL AND SENSORS SHALL REMAIN.
31. EXISTING CEILING MOUNTED COMPRESSION TANKS SHALL REMAIN.
32. SEE SHEET MPE102 FOR ALL MODIFICATIONS AND ADDITIONS TO THIS AREA.
33. EXISTING CHEMICAL SHELF, CHEMICAL FEED PUMPS AND TANKS SHALL REMAIN AND BE RE-USED IN NEW SYSTEM.
34. EXISTING 3/4" COOLING WATER PIPING TO PUMP OUT UNIT ON CHILLER SHALL REMAIN.
35. EXISTING 3/4" PUMP OUT DRAIN PIPING SHALL REMAIN.

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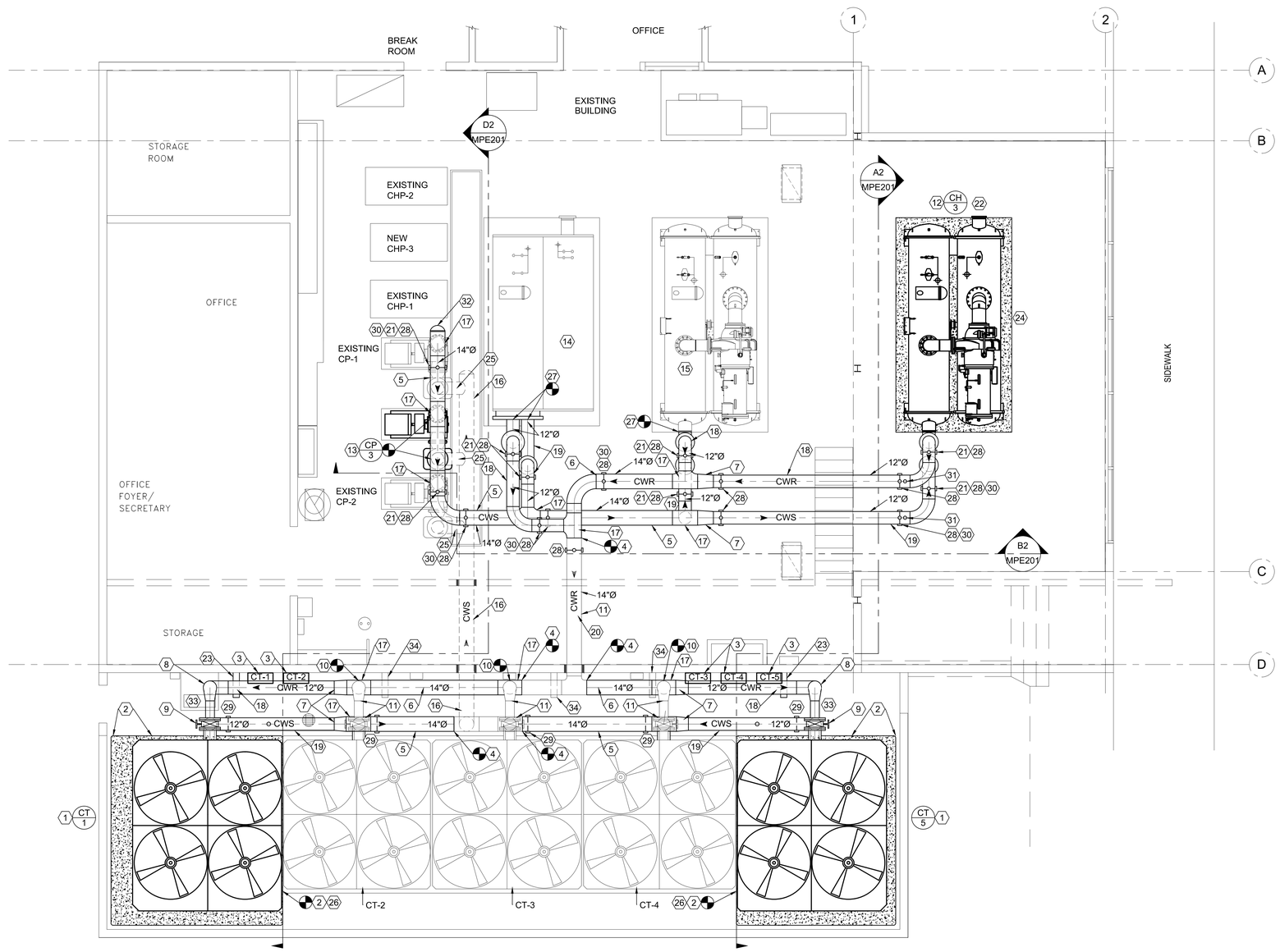
MECHANICAL PLANT CHILLER ROOM CHILLED WATER PIPING DEMOLITION PLAN

MPD102



MECHANICAL PLANT CHILLER ROOM CONDENSER WATER PIPING PLAN

1/4" = 1' - 0"

SHEET NOTES:

1. PROVIDE AND INSTALL TWO NEW COOLING TOWER CELLS AS SHOWN. INSTALL PER MANUFACTURER'S INSTRUCTIONS, INCLUDING PIPING, CONTROLS, ELECTRICAL, VALVES, ETC.
2. PROVIDE NEW EXTENDED CONCRETE PAD FOR NEW TOWER CELLS. SEE DETAILS C2/MPE502. CONNECT TO EXISTING PAD. PADS SHALL TERMINATE 4" FROM EXISTING WALL. NO WEIGHT SHALL BE ON EXISTING WALL.
3. PROVIDE NEW TOWER CELL CONTROL PANELS. PROVIDED BY TOWER MANUFACTURER AND INSTALLED AND WIRED BY CONTRACTOR. INSTALL AND WIRE PER MANUFACTURER'S INSTRUCTIONS.
4. CONNECT TO EXISTING 14" PIPE AT THIS LOCATION. FIELD VERIFY EXACT LOCATION OF NEW CONNECTION.
5. PROVIDE NEW 14" CWS PIPING.
6. PROVIDE NEW 14" CWR PIPING.
7. PROVIDE NEW 14"x12" ECCENTRIC REDUCER WITH LEVEL SIDE DOWN.
8. PROVIDE NEW 12"X8" REDUCING 90° ELL.
9. PROVIDE NEW 8" BUTTERFLY VALVE. PROVIDE FLANGE CONNECTION AND NEW COMPANION FLANGE.
10. CONNECT EXISTING 12" RISER TO NEW 14" TEE.
11. EXISTING CWR PIPING AND VALVES SHALL REMAIN.
12. PROVIDE AND INSTALL NEW CHILLER (CH-3). SEE SHEET MPE102.
13. PROVIDE NEW CONDENSER WATER PUMP (CP-3). SEE SCHEDULE MPE601 AND DETAIL B4/MPE501.
14. EXISTING CHILLER (CH-1) SHALL REMAIN.
15. EXISTING CHILLER (CH-2) SHALL REMAIN.
16. EXISTING 14"Ø UNDER FLOOR CWS SHALL REMAIN.
17. PROVIDE NEW 14"x14"x12" WELDED TEE.
18. PROVIDE NEW 12" CWR PIPING.
19. PROVIDE NEW 12" CWS PIPING.
20. EXISTING 14" CWR, CONTROLS, CHEMICAL TREATMENT AND TOWER WATER MAKE-UP SHALL REMAIN.
21. PROVIDE SPRING TYPE HANGER IN THIS LOCATION. SEE DETAIL D2/MPE501.
22. SEE SHEET MPE102 FOR CHILLED WATER PIPING AT THIS END OF CHILLER.
23. PROVIDE NEW PIPING SUPPORT IN THIS APPROXIMATE LOCATION. MATCH EXISTING WALL SUPPORTS.
24. PROVIDE NEW CONCRETE CHILLER BASE. SEE DETAIL C5/MPE502.
25. EXISTING UNDER FLOOR 12" CWS SHALL REMAIN AND BE RE-USED.
26. COORDINATE WITH TOWER MANUFACTURER FOR RECOMMENDATIONS ON THE SPACE REQUIRED BETWEEN NEW AND EXISTING CELLS.
27. PROVIDE NEW CWS AND CWR CONNECTIONS TO EXISTING CHILLERS.ABOVE AND BELOW.
28. PROVIDE CLEVIS TYPE PIPING SUPPORTS AT THIS APPROXIMATE LOCATION.
29. PROVIDE FLOOR MOUNTED PIPE SUPPORTS AT THIS APPROXIMATE LOCATION. SEE PIPE SUPPORT DETAIL A1/MPE502.
30. PROVIDE SEISMIC SUPPORTS AT THIS LOCATION. SEE DETAIL D2/MPE501
31. MANUAL AIR VENTS. SEE DETAIL A5/MPE501.
32. PROVIDE NEW 14 WELDED CAP.
33. BALANCING PIPING AND SUMPS ARE NOT SHOWN FOR REASON OF CLARIFICATION. SEE THIS PIPING ON SHEET A2/MPE601.
34. EXISTING WALL SUPPORTS SHALL REMAIN.

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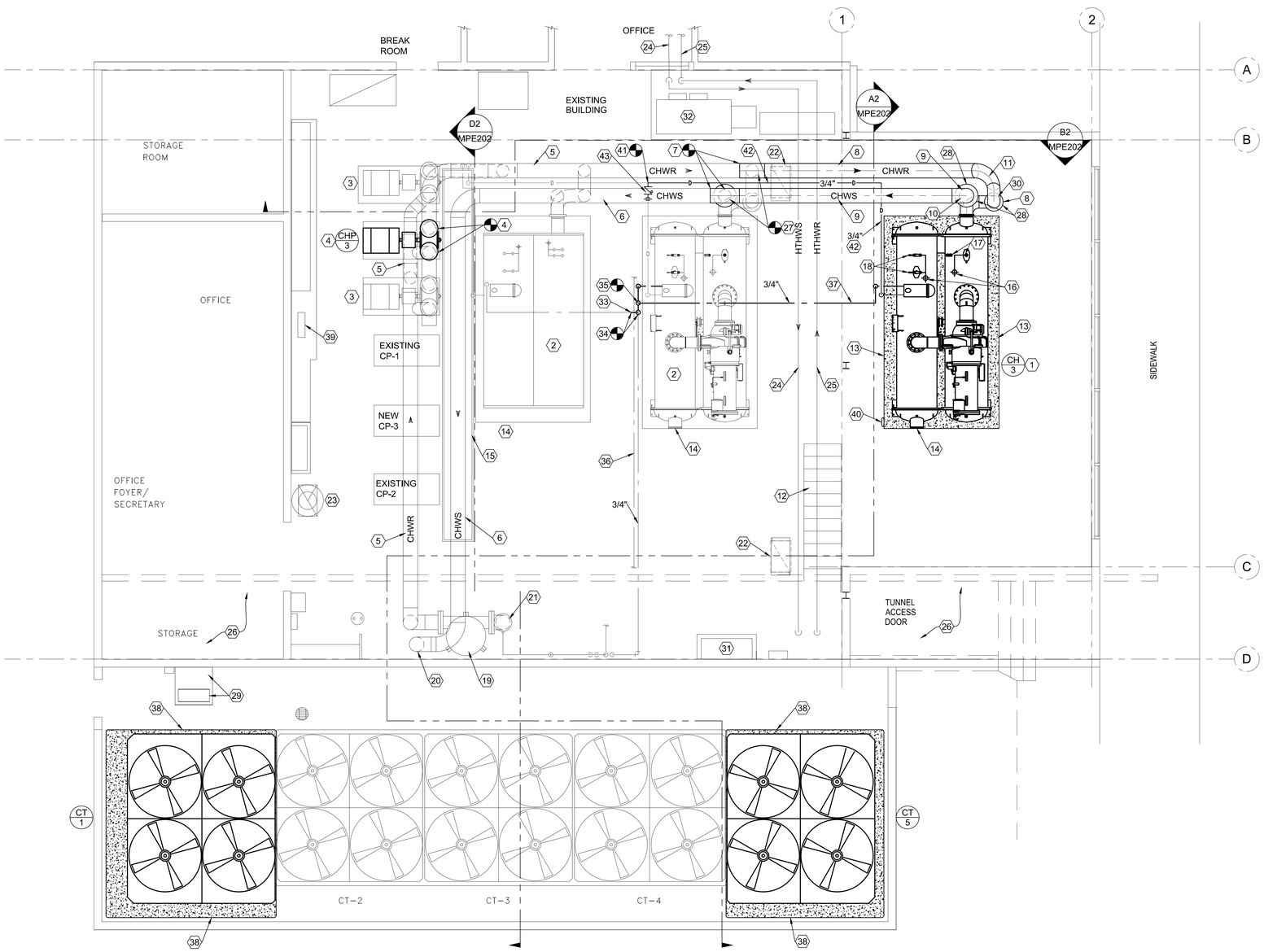
MECHANICAL PLANT CHILLER ROOM CONDENSATE WATER PIPING PLAN

MPE101



MECHANICAL PLANT CHILLER ROOM CHILLED WATER PIPING PLAN

1/4" = 1' - 0"

SHEET NOTES:

1. PROVIDE AND INSTALL NEW 915 TON CHILLER (CH-3) AND ALL ASSOCIATED PIPING, ELECTRICAL, CONTROLS, ETC. SEE SCHEDULE MPE601 AND FLOW SHEET MPE701. INSTALL PER MANUFACTURERS INSTRUCTIONS. CHILLER SHALL HAVE CHILLED WATER CONNECTIONS ON ONE END AND CONDENSER WATER CONNECTION ON THE OPPOSITE END AS SHOWN.
2. EXISTING CHILLERS (CH-1) AND (CH-2) SHALL REMAIN.
3. EXISTING CHILLED WATER PUMPS (CHP-1) AND (CHP-2) SHALL REMAIN.
4. PROVIDE AND INSTALL NEW CHILLED WATER PUMP (CHP-3) IN SAME LOCATION AS REMOVED (SP-1). USE EXISTING CONCRETE PAD AND CONNECT TO EXISTING PIPING. SEE SCHEDULE MPE601 AND FLOW SHEET MPE701. INSTALL PER MANUFACTURERS INSTRUCTIONS. SEE PUMP PIPING DETAIL D4/MPE501.
5. EXISTING 14" CHILLED WATER RETURN PIPING SHALL REMAIN.
6. EXISTING 14" CHILLED WATER SUPPLY PIPING SHALL REMAIN.
7. CUT EXISTING PIPING AT JOINT AND PROVIDE NEW 14"x14"x12" OUTLET TEE AND CONNECT TO EXISTING CHWS AND CHWR PIPING AND RISERS TO CHILLER (CH-2).
8. PROVIDE NEW 14" CHILLED WATER RETURN PIPING AND RISER TO NEW CHILLER (CH-3).
9. PROVIDE NEW 14" CHILLED WATER SUPPLY PIPING AND RISER TO NEW CHILLER (CH-3).
10. PROVIDE NEW 14"x12" REDUCING ELL.
11. PROVIDE NEW 14"x12" REDUCING ELL. - ROLL AT ANGLE AS SHOWN AND REQUIRED.
12. EXISTING STAIRS TO TUNNEL.
13. PROVIDE NEW CONCRETE CHILLER BASE. SEE DETAIL D5/MPE502.
14. CONDENSER WATER PIPING CONNECTIONS. SEE SHEET MPE101 FOR CONDENSER WATER PIPING CHANGES.
15. EXISTING TRENCH DRAIN SHALL REMAIN.
16. PROVIDE NEW 2-1/2"Ø COMMON RELIEF PIPING THROUGH ROOF.
17. (2) 1-1/4" RELIEF VALVES-CONNECT TWO 1-1/4" OUTLETS SEPARATELY INTO 2-1/2" MAIN AT DIFFERENT ELEVATIONS. SEE EXISTING CHILLER (CH-2) RELIEF PIPING FOR EXAMPLE. SEE DETAIL A5/MPE502.
18. (4) 1-1/4" RELIEF VALVES-CONNECT FOUR 1-1/4" OUTLETS SEPARATELY INTO 2-1/2" MAIN AT DIFFERENT ELEVATIONS. SEE EXISTING CHILLER (CH-2) RELIEF PIPING FOR EXAMPLE. SEE DETAIL A5/MPE502
19. EXISTING AIR SEPARATOR SHALL REMAIN.
20. EXISTING 14" CHWS PIPING THROUGH FLOOR TO TUNNEL DISTRIBUTION SHALL REMAIN..
21. EXISTING 14" CHWR PIPING THROUGH FLOOR TO TUNNEL DISTRIBUTION SHALL REMAIN.
22. EXISTING FRESH AIR PENTHOUSES, DUCTWORK, AND DAMPERS SHALL REMAIN.
23. EXISTING REFRIGERANT EXHAUST FAN ON ROOF AND DUCTWORK SHALL REMAIN.
24. EXISTING HIGH TEMPERATURE HOT WATER SUPPLY PIPING SHALL REMAIN AND BE PROTECTED DURING DEMOLITION AND REMOVAL OF WINDOWS.
25. EXISTING HIGH TEMPERATURE HOT WATER RETURN PIPING SHALL REMAIN AND BE PROTECTED DURING DEMOLITION AND REMOVAL OF WINDOWS.
26. EXISTING TUNNEL UNDER FLOOR.
27. CONNECT TO EXISTING PIPING SERVING CHILLER (CH-2). EXISTING VALVES, RISERS, FLEX CONNECTIONS, GAUGES, THERMOMETERS ETC. SHALL REMAIN.
28. SEE SHEET MPE202 FOR PIPING, VALVES ETC. TO NEW CHILLER (CH-3).
29. EXISTING CONCRETE PAD AND CONDENSING UNIT SHALL REMAIN.
30. PROVIDE NEW 12" - 45° ELL.
31. STARTER FOR CHILLER (CH-1).
32. STARTER FOR CHILLER (CH-2).
33. DISCONNECT WATER LINE FROM WATER MAIN SERVING PUMP OUT UNIT FOR CH-1 AND EXTEND WITH UNION TO NEW CONNECTION ON EXISTING 3/4"Ø WATER TO PUMP OUT UNIT SERVING CH-2. PROVIDE CAP ON WATER MAIN AT DISCONNECTION POINT.
34. CONNECT EXISTING 3/4" WATER SERVING CHILLER (CH-1) PUMP OUT UNIT TO EXISTING 3/4" WATER LINE SERVING (CH-2) AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION. COME OFF THE TOP OF EXISTING PIPING.
35. CONNECT NEW 3/4" WATER LINE TO CHILLER (CH-3) PUMP OUT UNIT INTO EXISTING 3/4" WATER LINE AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION. COME OFF THE TOP OF EXISTING PIPING WITH NEW WATER LINE.
36. MAIN WATER SERVICE LINE TO EXISTING PRV STATION AND BACKFLOW PREVENTOR.
37. PROVIDE NEW 3/4" COLD WATER SERVICE TO CHILLER (CH-3) PUMP OUT UNIT.
38. PROVIDE NEW EXTENDED CONCRETE PAD FOR NEW TOWER CELLS. SEE DETAILS C2/MPE502. DOWEL INTO EXISTING PAD AND FLOOR.
39. REFRIGERANT DETECTION SYSTEM CONTROLLER SHALL REMAIN.
40. PROVIDE NEW REFRIGERANT SENSOR. STRAP TO NEW CH-3 CONCRETE PAD. MATCH INSTALLATION OF EXISTING SENSORS.
41. CONNECT TO EXISTING 3/4" DRAIN FROM CH-2 WITH NEW DRAIN FROM NEW CHILLER (CH-3) PUMP OUT UNIT. FIELD VERIFY EXACT LOCATION OF NEW TIE-IN.
42. ROUTE NEW 3/4" DRAIN LINE HIGHER THAN NEW TIE-IN.
43. PROVIDE NEW 3/4" CHECK VALVE AND UNION IN EXISTING DRAIN LINE.

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DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
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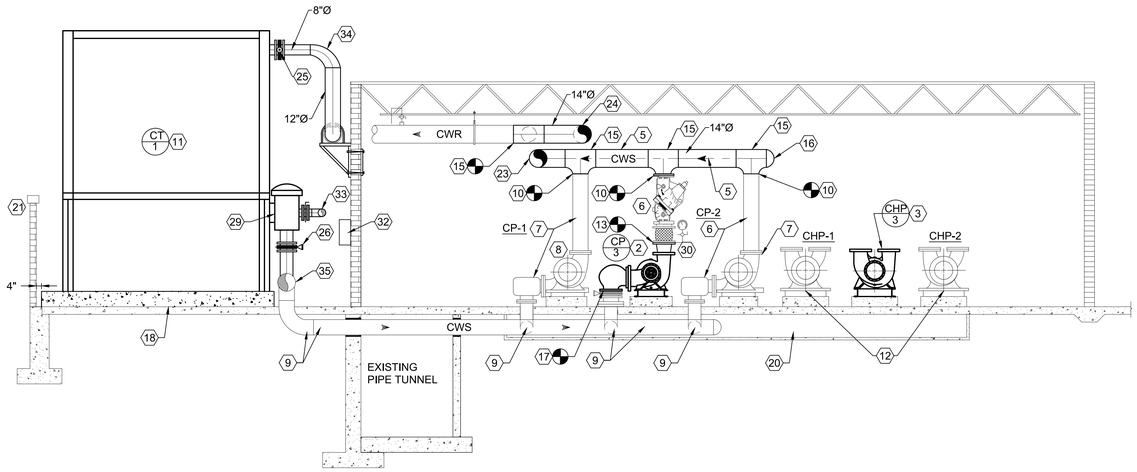
Rev #	Date	Description

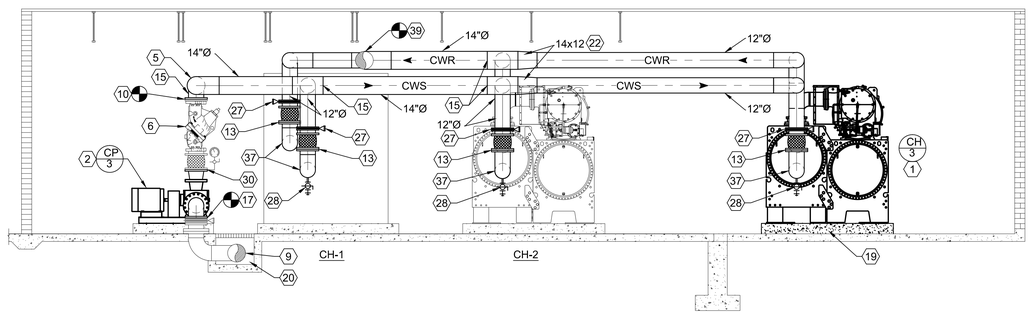
Job # 09625
CAD File
Drawn LGD Checked WP
Date 12/3/2010
Owner # DFCM # 06297640
Ins. #

MECHANICAL PLANT CHILLER ROOM CHILLED WATER PIPING PLAN

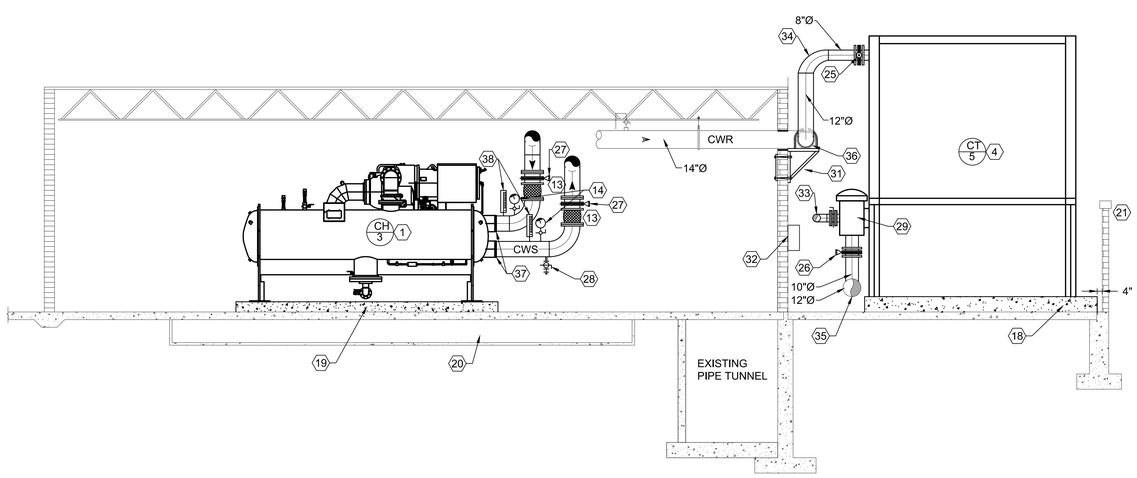
MPE102



D2 CONDENSER WATER WEST ELEVATION
SCALE: 1/4" = 1'-0"



B2 CONDENSER WATER NORTH ELEVATION
SCALE: 1/4" = 1'-0"



A2 CONDENSER WATER EAST ELEVATION
SCALE: 1/4" = 1'-0"

SHEET NOTES:

1. PROVIDE NEW CHILLER (CH-3), AND ALL ASSOCIATED ITEMS. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
2. PROVIDE NEW CONDENSER WATER PUMP (CP-3). SEE DETAIL C4/MPE501 AND B5/MPE502 FOR PIPING. MOUNT ON EXISTING CONCRETE PAD.
3. PROVIDE NEW CHILLED WATER PUMP (CHP-3). SEE DETAIL D4/MPE501 FOR PIPING AND SHEET MPE202. MOUNT ON EXISTING CONCRETE PAD.
4. PROVIDE NEW COOLING TOWER CELL (CT-5). SEE MPE101 FOR PLAN.
5. PROVIDE NEW 14" CONDENSER WATER SUPPLY HEADER.
6. EXISTING PUMP, PIPING, VALVES, FLEX CONNECTORS, ETC. SHALL REMAIN AND BE CONNECTED TO NEW HEADER.
7. EXISTING CP-1 SHALL REMAIN.
8. EXISTING CP-2 SHALL REMAIN.
9. EXISTING CWS PIPING IN TRENCH AND TO PUMPS SHALL REMAIN.
10. CONNECT EXISTING 12" PIPING FROM EXISTING PUMPS INTO NEW 14" HEADER. FIELD VERIFY LOCATION AND ELEVATION.
11. PROVIDE NEW COOLING TOWER CELL (CT-1). SEE MPE101 FOR PLAN.
12. EXISTING CHILLED WATER PUMPS AND PIPING SHALL REMAIN.
13. PROVIDE NEW 12" LONG FLANGED FLEXIBLE CONNECTOR.
14. PROVIDE NEW 4-1/2" Ø LIQUID FILLED PRESSURE GAUGES WITH BALL VALVES. 0 TO 150 PSIG.
15. PROVIDE NEW 14"x14"x12" WELDED TEES.
16. PROVIDE NEW 14" WELDED CAP.
17. PROVIDE NEW 12"x10" SUCTION DIFFUSER FOR NEW PUMP (CP-3). SEE DETAILS C4/MPE501 AND B5/MPE502. CONNECT INTO EXISTING BUTTERFLY VALVE FLANGE.
18. PROVIDE NEW 12" THICK CONCRETE BASE FOR NEW COOLING TOWER CELLS (CT-1) AND (CT-5). SEE SHEET MPE101 AND DETAIL C2/MPE502.
19. PROVIDE NEW 8" THK CONCRETE BASE FOR NEW CHILLER (CH-3). SEE SHEET MPE101 AND DETAIL D5/MPE502.
20. EXISTING TRENCH AND DRAIN SHALL REMAIN.
21. EXISTING 4" WIDE WALL SHALL REMAIN. DO NOT USE WALL FOR ANY TYPE OF SUPPORT OR FORM FOR COOLING TOWER BASE.
22. PROVIDE NEW WELDED 14"x12" ECCENTRIC REDUCER WITH LEVEL SIDE ON BOTTOM.
23. PROVIDE NEW 14"Ø CONDENSER WATER SUPPLY TO CHILLERS. SEE ELEVATION B2 THIS SHEET AND PLAN VIEW MPE101 FOR CONTINUATION.
24. PROVIDE NEW 14"Ø CONDENSER WATER RETURN TO TOWER. SEE ELEVATION B2 THIS SHEET AND PLAN VIEW MPE101 FOR CONTINUATION.
25. NEW 8" - 150# BUTTERFLY VALVE WITH WHEEL HANDLE CONTROL.
26. NEW 10" - 150# BUTTERFLY VALVE WITH WHEEL HANDLE CONTROL.
27. NEW 12" - 150# BUTTERFLY VALVE WITH WHEEL HANDLE CONTROL.
28. DRAIN CONNECTION. SEE DETAIL A5/MPE501.
29. COOLING TOWER SUMP AND DISTRIBUTION BOX.
30. REMOVE EXISTING REDUCER AND PUMP CONNECTION AND REPLACE WITH NEW 8" PUMP CONNECTION FLANGE AND NEW 12"x8" CONCENTRIC WELDED REDUCER.
31. PROVIDE NEW PIPE SUPPORT. MATCH EXISTING.
32. PROVIDE NEW COOLING TOWER CELL CONTROL PANELS. TWO ARE NEW FOR (CT-1) AND (CT-5). THREE ARE NEW REPLACEMENTS FOR EXISTING REMOVED CONTROL PANELS.
33. PROVIDE NEW 6"Ø BALANCING PIPING.
34. PROVIDE NEW WELDED 12"x8" 90° ELL.
35. 12"Ø CONDENSER WATER SUPPLY MODIFIED HEADER. SEE SHEET MPE101 FOR DETAILS AND ADDITIONS TO EXISTING HEADER.
36. 14"Ø CONDENSER WATER RETURN MODIFIED HEADER. SEE SHEET MPE101 FOR DETAILS AND ADDITIONS TO EXISTING HEADER.
37. CONNECT TO NEW AND EXISTING CHILLER CONNECTIONS WITH FLANGES OR GROOVED JOINTS.
38. PROVIDE NEW 9-1/2" LONG THERMOMETER 0° TO 100°F.
39. CONNECT TO EXISTING 14" CWR . SEE PLAN VIEW SHEET MPE101.

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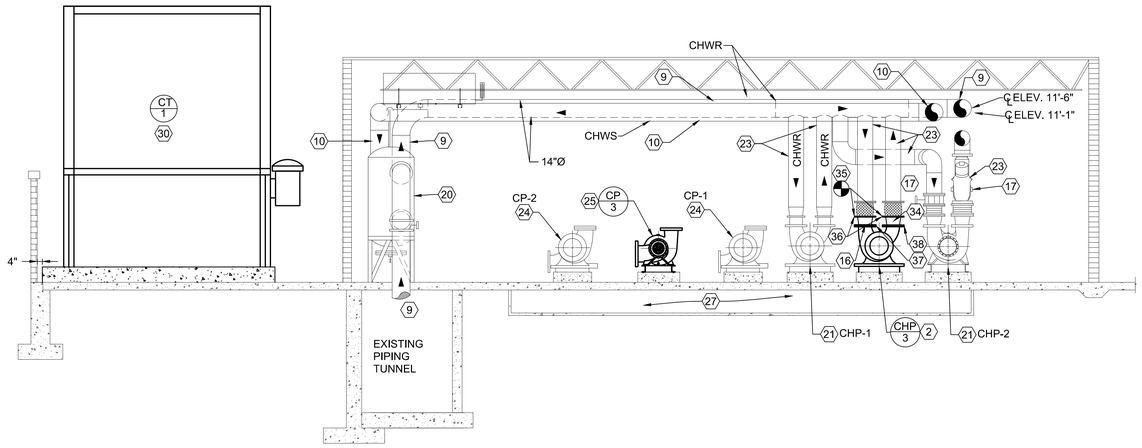
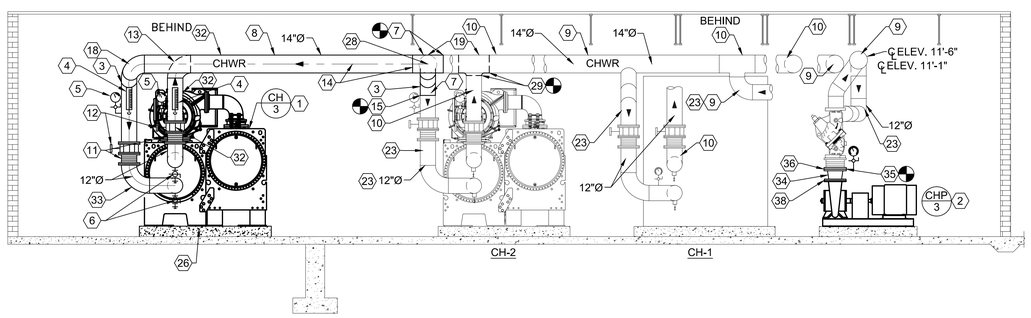
MECHANICAL PLANT
CHILLER ROOM
CONDENSER WATER
PIPING ELEVATIONS

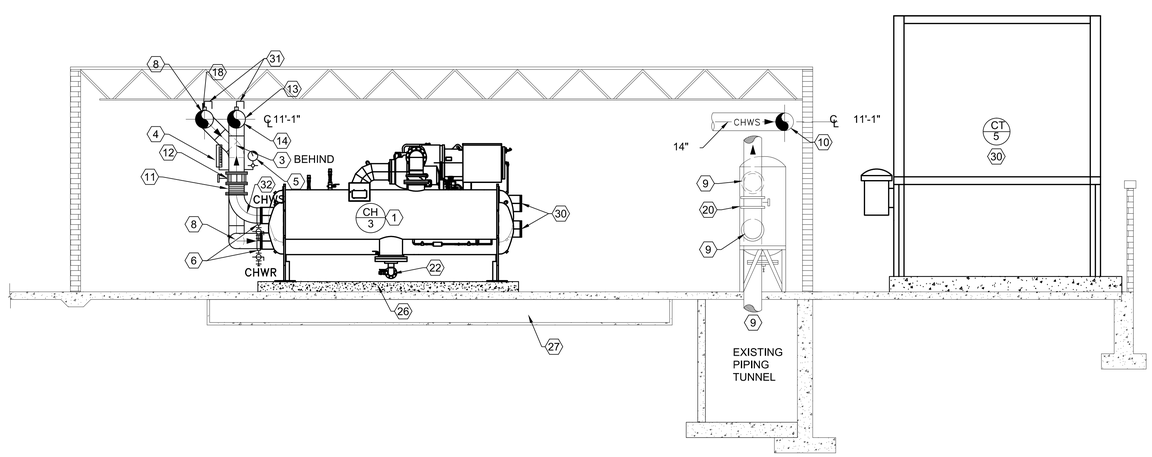
MPE201



D2 CHILLED WATER WEST ELEVATION
SCALE: 1/4" = 1'-0"



B2 CHILLED WATER SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



A2 CHILLED WATER EAST ELEVATION
SCALE: 1/4" = 1'-0"

SHEET NOTES:

1. PROVIDE NEW CHILLER (CH-3), AND ALL ASSOCIATED ITEMS. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
2. PROVIDE NEW CHILLED WATER PUMP CHP-3. SEE DETAIL D4/MPE501 FOR PIPING. MOUNT ON EXISTING CONCRETE PAD.
3. 12" WELDED 45° ELBOW.
4. PROVIDE THERMOMETER RANGE 0° TO 100°F.
5. PROVIDE NEW LIQUID FILLED PRESSURE GAUGE WITH SHUT-OFF. RANGE 0 TO 125 PSIG WITH 4-1/2" DIAMETER CASE.
6. PROVIDE NEW DRAIN AND VALVE. SEE DETAIL A5/MPE501.
7. CUT EXISTING 14"Ø PIPING AT THIS LOCATION, PROVIDE NEW 14"x14"x12" WELDED TEE AND CONNECT TO EXISTING 12" CHWR RISER TO EXISTING CHILLER (CH-2). PROVIDE NEW 12" WELDED 45° ELL AND SPOOL PIECE FROM TEE CONNECTION TO EXISTING RISER.
8. PROVIDE NEW 14"Ø CHWR PIPING.
9. EXISTING 14"Ø CHILLED WATER RETURN.
10. EXISTING CHILLED WATER SUPPLY.
11. PROVIDE 12" FLANGED FLEXIBLE CONNECTIONS 12" LONG.
12. PROVIDE 12" BUTTERFLY VALVE WHEEL CONTROL.
13. PROVIDE 14"x12" REDUCING 90° ELL.
14. PROVIDE NEW 14"Ø CHWR FROM NEW CONNECTION INTO EXISTING 14"Ø CHILLED WATER RETURN AT (CH-2).
15. CONNECT NEW 12" - 45° ELL TO EXISTING 12" CHWR PIPE RISER. RE-USE EXISTING PIPING, VALVES ETC SERVING (CH-2).
16. PROVIDE NEW 12"x10" WELDED CONCENTRIC REDUCER.
17. EXISTING 12" TRIPLE DUTY VALVE SHALL REMAIN AND BE REUSED.
18. 14"x12" REDUCING 90° ELL., ANGLE ELBOW AS SHOWN ON SECTION A2/MPE202.
19. PROVIDE NEW 14"x14"x12" WELDED TEE.
20. EXISTING AIR SEPARATOR SHALL REMAIN.
21. EXISTING CHILLED WATER PUMPS SHALL REMAIN.
22. DRAIN FROM CHILLER, PROVIDED BY CHILLER MANUFACTURER. IF SHIPPED LOOSE, CONTRACTOR SHALL INSTALL. COORDINATE WITH CHILLER MANUFACTURER.
23. EXISTING 12" CHILLED WATER RETURN.
24. EXISTING CONDENSER WATER PUMPS.
25. PROVIDE NEW CONDENSER WATER PUMP. MOUNT ON EXISTING PAD. SEE SHEET MPE201 AND DETAIL SHEETS FOR PIPING.
26. PROVIDE NEW CONCRETE CHILLER PAD. SEE DETAIL D5/MPE502.
27. EXISTING TRENCH WITH DRAIN.
28. ROTATE NEW TEE AT 45° OUTLET.
29. CONNECT TO EXISTING 12" CHWS RISER AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION. RE-USE EXISTING VALVES ETC.
30. SEE SHEETS MPE101 AND MPE201 FOR CONDENSER WATER PIPING ELEVATIONS.
31. HIGH POINT VENTS. SEE DETAIL A5/MPE501.
32. PROVIDE NEW 12" CHWS PIPING.
33. PROVIDE NEW 12" CHWR PIPING.
34. PROVIDE NEW 12"x8" WELDED CONCENTRIC REDUCER.
35. CONNECT TO EXISTING FLANGED FLEXIBLE CONNECTOR.
36. PROVIDE NEW WELDED 12" 150# COMPANION FLANGE.
37. PROVIDE NEW WELDED 10" 150# PUMP CONNECTION FLANGE.
38. PROVIDE NEW WELDED 8" 150# PUMP CONNECTION FLANGE.

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
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Job # 09625
CAD File
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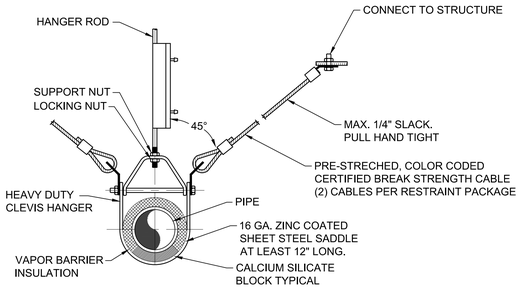
Owner # DFCM # 06297640
Ins. #

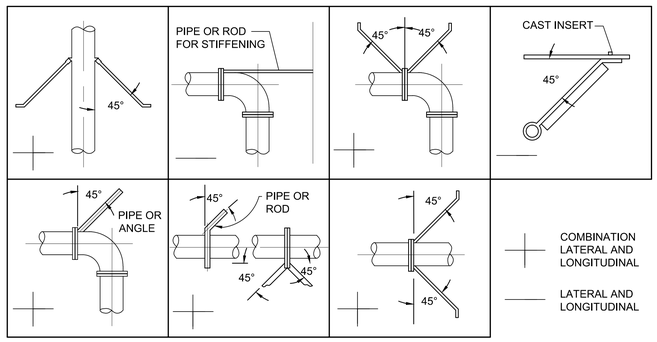
MECHANICAL PLANT
CHILLER ROOM
CHILLED WATER
PIPING ELEVATIONS

MPE202



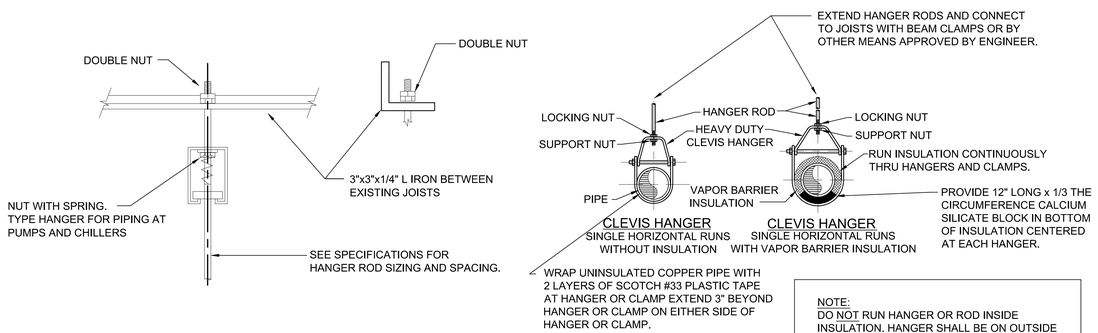
D2 FOR PIPING 3" AND ABOVE SEISMIC SWAY BRACING DETAILS

SCALE: NONE



C2 SEISMIC SWAY BRACING DETAILS

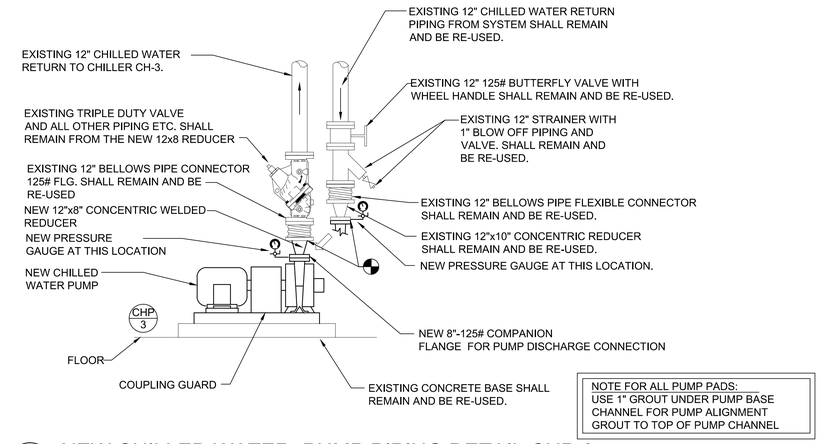
SCALE: NONE



NOTE:
DO NOT RUN HANGER OR ROD INSIDE INSULATION. HANGER SHALL BE ON OUTSIDE OF INSULATION.

A2 PIPE HANGER DETAILS

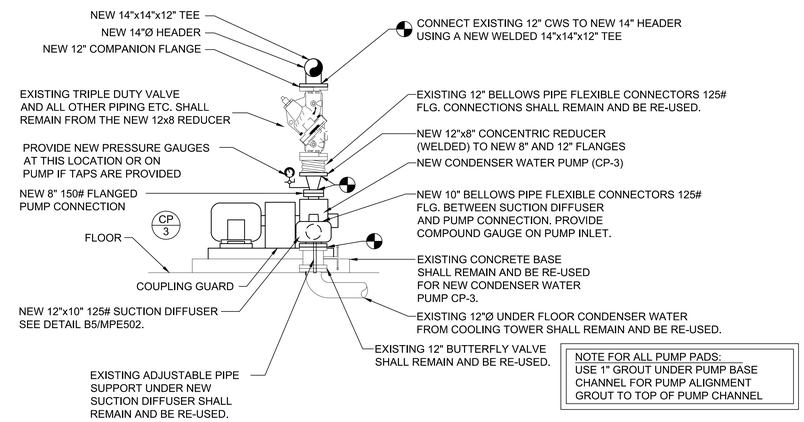
SCALE: NONE



NOTE FOR ALL PUMP PADS:
USE 1" GROUT UNDER PUMP BASE
CHANNEL FOR PUMP ALIGNMENT
GROUT TO TOP OF PUMP CHANNEL

D4 NEW CHILLED WATER PUMP PIPING DETAIL CHP-3

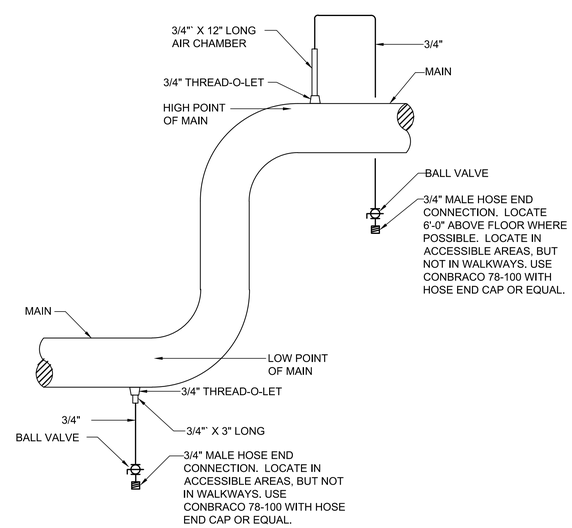
SCALE: NONE



NOTE FOR ALL PUMP PADS:
USE 1" GROUT UNDER PUMP BASE
CHANNEL FOR PUMP ALIGNMENT
GROUT TO TOP OF PUMP CHANNEL

C4 NEW CONDENSER WATER PUMP PIPING DETAIL CP-3

SCALE: NONE



A5 DRAIN & VENT DETAIL

SCALE: NONE

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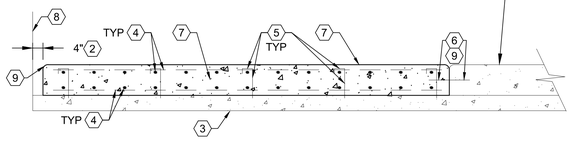
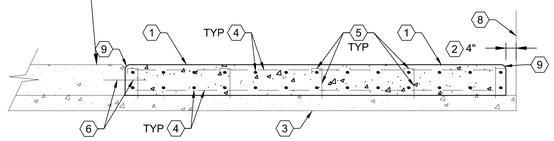
MECHANICAL PLANT DETAILS

MPE501



A SECTION
SCALE: 1/2" = 1'-0"

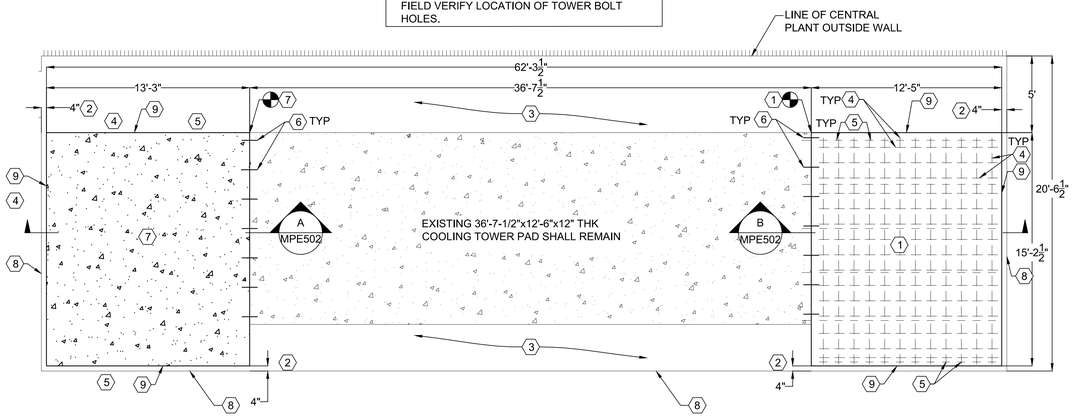


B SECTION
SCALE: 1/2" = 1'-0"

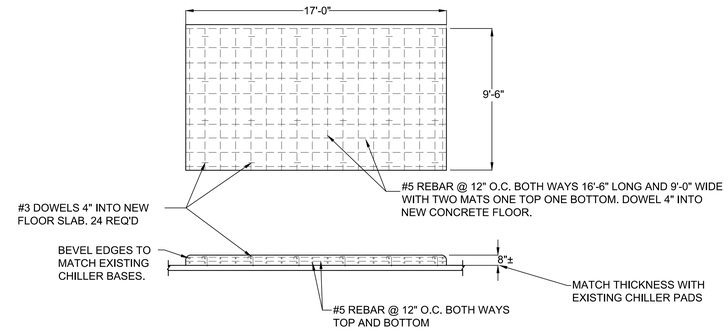
NOTE:
CONTRACTOR MAY INSERT ANCHOR BOLTS FOR TOWER CELLS DURING CONCRETE POUR OR DRILL AND EPOXY BOLTS AFTER POUR. FIELD VERIFY LOCATION OF TOWER BOLT HOLES.

SHEET NOTES:

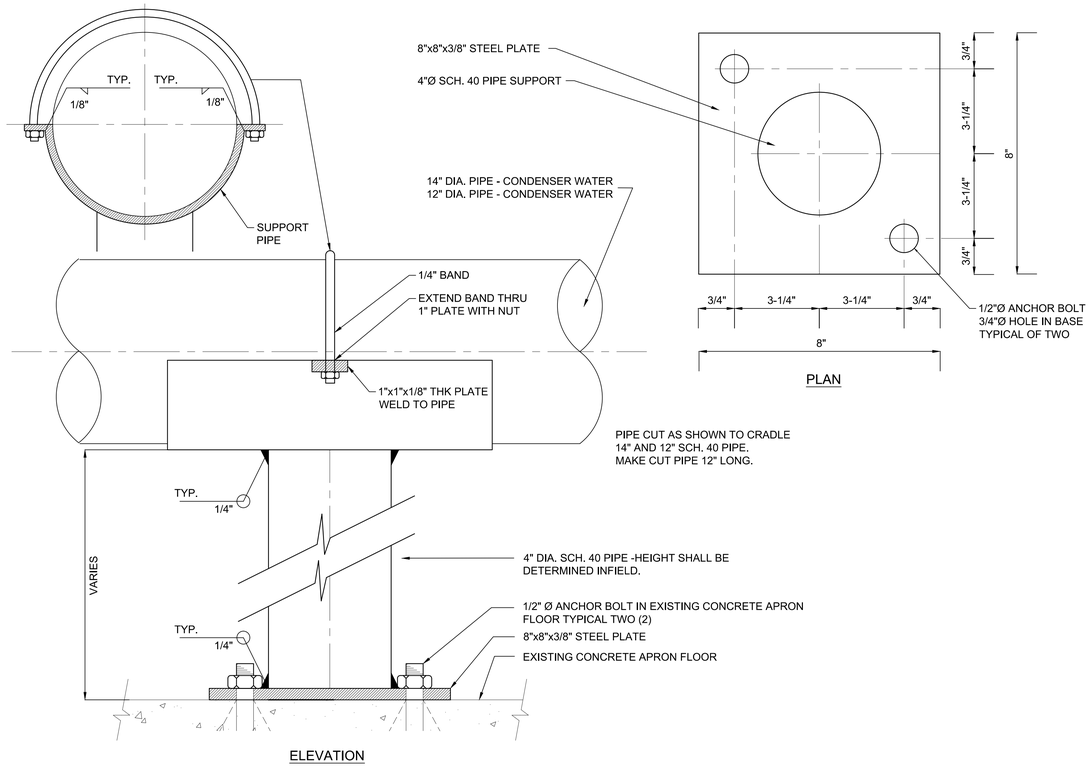
1. NEW 12'-5"x15'-2-1/2"x12" THK CONCRETE PAD. SEE SECTION B THIS SHEET.
2. TERMINATE 4" FROM EXISTING BRICK WALL. NO WEIGHT OR PRESSURE SHALL BE ON WALL.
3. EXISTING CONCRETE APRON.
4. #5 REBAR @ 12" O.C. BOTH WAYS. TWO MATS REQUIRED ONE ON TOP AND ONE ON BOTTOM.
5. #3 DOWELS DRILLED AND EXPOXIED INTO EXISTING APRON. EXTEND TO ONE HALF THE THICKNESS OF EXISTING APRON.
6. #3 DOWELS DRILLED AND EPOXIED INTO SIDE OF EXISTING TOWER PAD. EXTEND INTO EXISTING PAD 8" AND 8" INTO NEW PAD.
7. NEW 13'-3"x 15'-2-1/2"x12" THK CONCRETE PAD. SEE SECTION A THIS SHEET.
8. INSIDE WALL LINE.
9. BEVEL EDGES 1" TO MATCH EXISTING TOWER BASE.



C2 NEW COOLING TOWER CELLS EQUIPMENT PAD
SCALE: 1/4" = 1'-0"

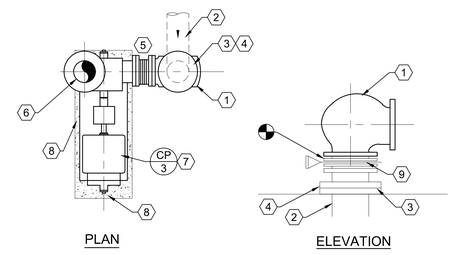


D5 NEW CHILLER (CH-3) EQUIPMENT PAD
SCALE: NONE



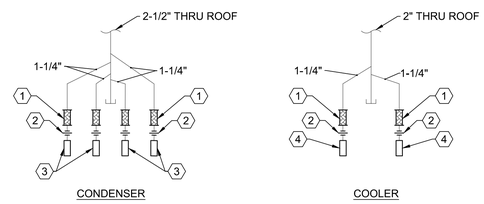
A1 FLOOR PIPING SUPPORT DETAIL
SCALE: NONE

NOTE:
SEE ADDITIONAL DETAIL B1/MPE501



1. NEW 12"x10" SUCTION DIFFUSER. MOUNT ON EXISTING 12" FLANGE.
2. EXISTING 12" UNDER FLOOR CONDENSER WATER SUPPLY FROM TOWER SHALL REMAIN.
3. EXISTING 12" FLANGE AT FLOOR SHALL REMAIN AND BE RE-USED.
4. EXISTING 12"-150# FLANGE CONNECTED TO EXISTING 12" FLANGE AT FLOOR SHALL REMAIN AN BE RE-USED.
5. NEW 10" FLANGED FLEXIBLE CONNECTOR. LOCATE BETWEEN NEW PUMP AND NEW SUCTION DIFFUSER.
6. EXISTING 12" CONDENSATE SUPPLY FROM NEW PUMP. CONNECT INTO NEW 14" HEADER WITH NEW 14"x14"x12" WELDED TEE.
7. NEW CONDENSER WATER PUMP (CP-3). LOCATE IN SAME LOCATION AS REMOVED PUMP SP-2.
8. EXISTING CONCRETE BASE SHALL REMAIN AS IS.
9. EXISTING 12" BUTTERFLY VALVE W/ WHEEL SHALL REMAIN AND BE RE-USED.

B5 NEW CONDENSER WATER PUMP PIPING DETAIL
SCALE: NONE



1. FLEXIBLE SCREWED CONNECTORS.
2. SCREWED UNION.
3. (4)-1-1/4" NPT RELIEF VALVES-CONDENSER.
4. (2)-1-1/4" NPT RELIEF VALVES-COOLER.

A5 CHILLER RELIEF VALVES PIPING DETAIL
SCALE: NONE

VCBO ARCHITECTURE
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DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
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MECHANICAL PLANT DETAILS

MPE502

CHILLER SCHEDULE

①②③④⑤

SYMBOL	CAPACITY TONS	COOLER DATA				CONDENSER DATA				ELECTRICAL								COMMENTS	MANUFACTURER AND MODEL
		GPM	MAX PRESS. DROP FT	WATER IN TEMP. °F	WATER OUT TEMP. °F	GPM	MAX. PRESS. DROP FT.	WATER IN TEMP. °F	WATER OUT TEMP. °F	INPUT KW	VOLT	Ø	Hz	RLA	INRUSH AMPS	MCA	MOCP		
CH 3	915	2196	19.2	55	45	2745	18.8	85	94	490	460	3	60	763	641	802	1200	-	CARRIER 19XRV72724V5LGH64

① MAXIMUM NPLV SHALL BE 0.338 KW/TON.

② CHILLER SHALL BE R-134A

③ CHILLER SHALL HAVE BOTH CHILLED WATER IN AND OUT CONNECTIONS ON THE SAME END. SEE DRAWINGS.

④ CHILLER SHALL HAVE BOTH CONDENSER WATER IN AND OUT ON THE SAME END OPPOSITE THE CHILLED WATER. SEE DRAWINGS.

⑤ CONTROL PANEL SHALL BE LOCATED ON THE CONDENSER SIDE DUE TO SUN.

PUMP SCHEDULE

SYMBOL	SERVICE	MAKE / MODEL	GPM	FT. HEAD	SUCTION SIZE	DISCHARGE SIZE	IMPELLER SIZE	MOTOR			WEIGHT LBS	TYPE	SCHEDULE NOTES
								V - Ø - Hz	HP	RPM			
CHP 3	CHILLED WATER	BELL&GOSSET VSX-VSC 8x10x17-1/2B	2196	185	10"	8"	14.875"	460/3/60	150	1780	3710	VERTICAL SPLIT CASE TOP INLET & OUTLET	①②③
CP 3	CONDENSER WATER	BELL&GOSSET VSX-VSCS 8x10x10-1/2B	2745	60	10"	8"	9-3/8"	460/3/60	60	1780		VERTICAL SPLIT CASE SIDE INLET & TOP OUTLET	②③

① PROVIDE REMOVABLE INSULATION KIT AROUND PUMP SUCTION. MATCH EXISTING.

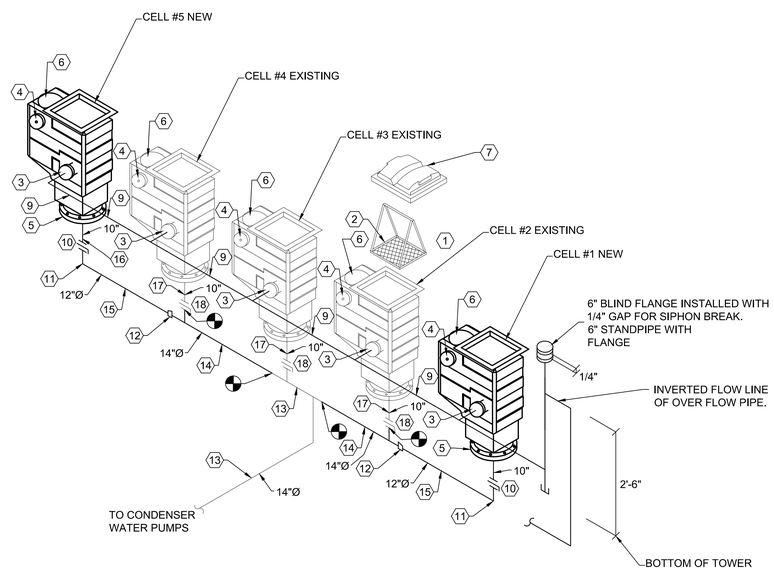
② ALL PUMPS SHALL BE SIZED IN THE FLAT PART OF THE CURVE. SEE DETAIL. EFFICIENCY SHALL BE 78.06 % AND ABOVE FOR CHP-3 AND 83% AND ABOVE FOR CP-3.

③ SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.

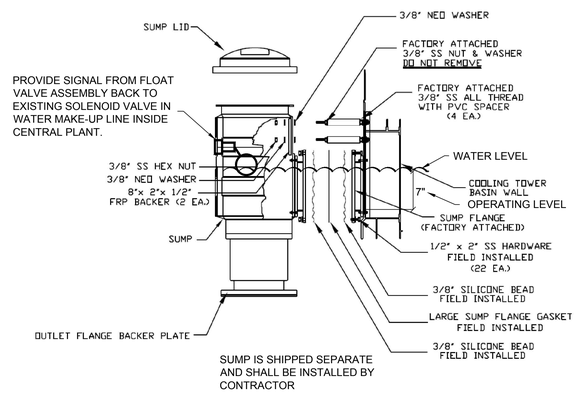
COOLING TOWER SCHEDULE

SYMBOL	TYPE	No. CELLS	WATER TEMP.		OUTDOOR AIR TEMP.		GPM	MAX OP. WT. LBS.	ELECTRICAL					TYP. MANUFACTURER AND MODEL NUMBER
			°F IN	°F OUT	°F DB	°F WB			HP	VOLT	Ø	Hz	RPM	
CT 1	FIBER GLASS	2	90	80	95	71	1200 (EA)	15,180	7-1/2 (EA)	480	3	60	1800	TOWER TECH TTXE-0419

1. TYPICAL SUMP TANK LAYOUT.
2. REMOVABLE STAINLESS STEEL SCREEN.
3. OVERFLOW/EQUALIZATION CONNECTION.
4. PROVIDE 2" NIPPLE AND PLUG OVER MAKE-UP WATER CONNECTION.
5. OUTLET CONNECTION FLANGE SHALL MATE AND BE OF THE SAME MATERIAL AS THE SUMP SPLIT RING FLANGE.
6. FLOAT VALVE ACCESS COVER.
7. SUMP LID
8. PROVIDE LOCKABLE DISCONNECT SWITCH IN CLOSE PROXIMITY AND WITHIN SIGHT OF THE COOLING TOWER FOR EACH CELL. SWITCH SHALL BE SEPARATE FROM ALL OTHER CIRCUITS. TOWERS SHALL BE PRE-WIRED AT THE FACTORY.
9. THE OVERFLOW PIPING MUST BE LEVEL CENTERED AT THE OVERFLOW OUTLETS.
10. NEW 10" BUTTERFLY VALVE WITH COMPANION FLANGES.
11. 12"x10" REDUCING WELDED 90° ELL.
12. 14"x12" ECCENTRIC REDUCERS WITH FLAT END ON BOTTOM.
13. EXISTING 14" CWS PIPING.
14. NEW 14" CWS PIPING.
15. NEW 12" CWS PIPING.
16. NEW 10" CWS PIPING.
17. EXISTING 10" CWS PIPING.
18. EXISTING 10" BUTTERFLY VALVE.



A2 COOLING TOWER SUMP PIPING DETAIL
SCALE: NONE



A5 SUMP ATTACHMENT DETAIL
SCALE: NONE

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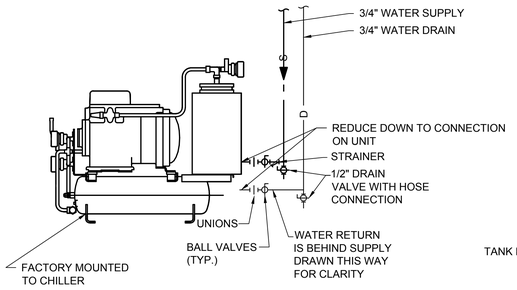
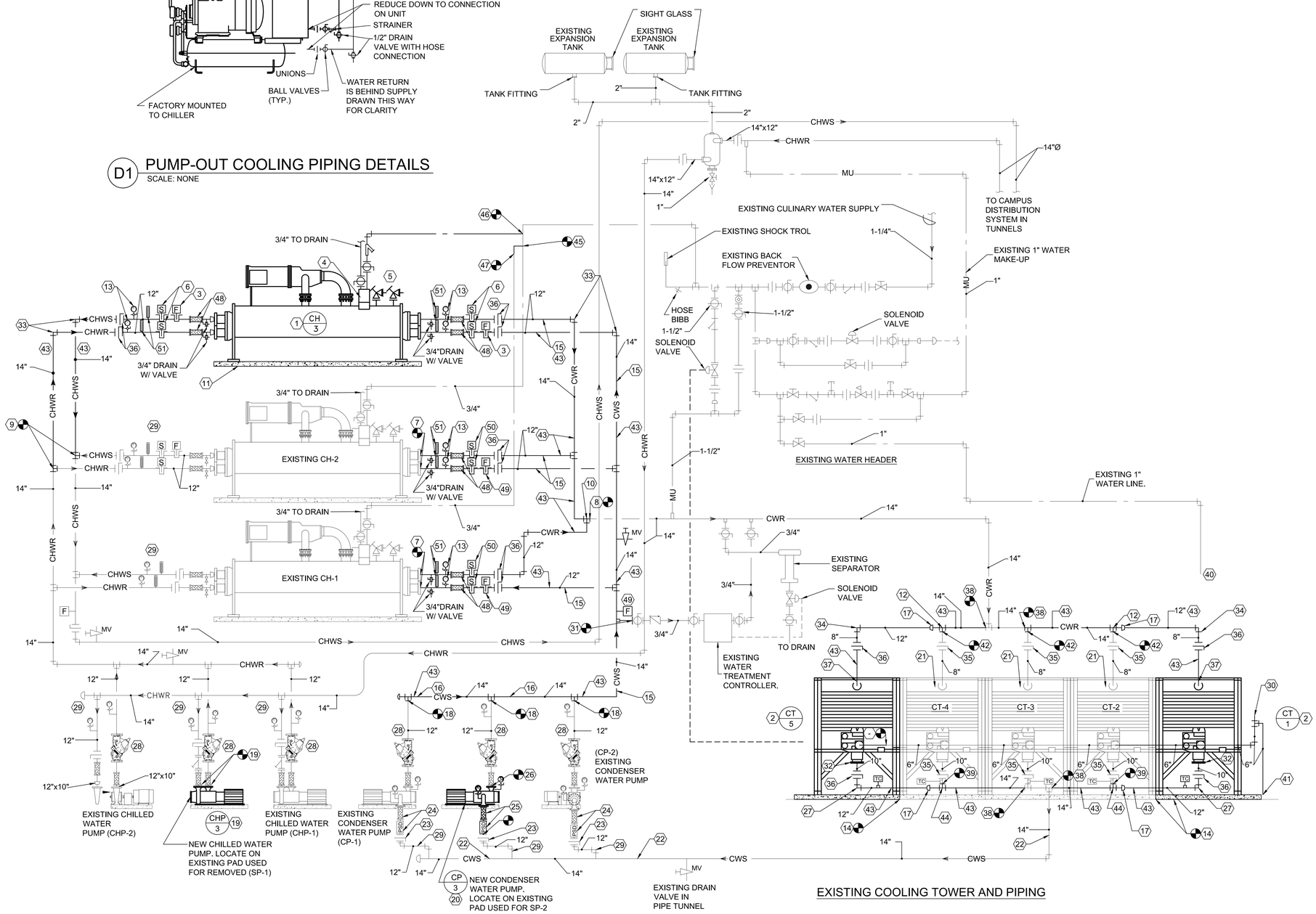
MECHANICAL PLANT SCHEDULES AND DETAILS

MPE601



D1 PUMP-OUT COOLING PIPING DETAILS

SCALE: NONE



EXISTING COOLING TOWER AND PIPING

SHEET NOTES:

1. PROVIDE NEW CHILLER (CH-3) AND ALL ASSOCIATED ITEMS. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
2. PROVIDE NEW COOLING TOWER CELLS (CT-1) AND (CT-5) AND ALL ASSOCIATED ITEMS. INSTALL PER MANUFACTURER RECOMMENDATIONS.
3. FLOW SWITCH BY CHILLER MANUFACTURER. INSTALLED BY CONTRACTOR.
4. PUMP OUT UNIT. SEE DETAIL D1 THIS SHEET.
5. PROVIDE FOUR (4) RELIEF VENT PIPES TO CONDENSER RELIEF VALVE CONNECTIONS. CONNECT TO COMMON 2" LINE AND ROUTE TO ROOF. PROVIDE TWO RELIEF VENT PIPES TO COOLER RELIEF VALVE CONNECTIONS. CONNECT TO COMMON 2-1/2" LINE AND ROUTE TO ROOF. COORDINATE RELIEF PIPING WITH MANUFACTURER'S RECOMMENDATIONS. SEE DETAIL A5/MPE502.
6. PROVIDE AUTOMATIC TEMPERATURE SENSORS AT COOLER AND CONDENSER WATER INLET AND OUTLET.
7. NEW CWS AND CWR CONNECTION TO EXISTING CHILLERS.
8. NEW CONNECTIONS TO EXISTING CONDENSER WATER RETURN PIPING.
9. REPLACE EXISTING 90° ELLS WITH NEW 14"x14"x12" OUTLET, WELDED TEE, CONNECT TO EXISTING 12" PIPING, RISERS, VALVES ETC.
10. PROVIDE NEW 14"x14"x12" WELDED TEE.
11. PROVIDE NEW HOUSE KEEPING PAD. SEE DETAIL D5/MPE502.
12. REMOVE EXISTING 12" 90° ELL AND PROVIDE A NEW 14"X14"x8" WELDED TEE TO EXISTING COOLING TOWER CONDENSER WATER RETURN.
13. NEW LIQUID FILLED PRESSURE GAUGE AND STOP VALVE .
14. PROVIDE NEW HOUSEKEEPING PAD. TIE INTO EXISTING CONCRETE HOUSEKEEPING PAD. MATCH EXISTING. SEE DETAIL C2/MPE502.
15. PROVIDE NEW CONDENSER WATER SUPPLY TO CHILLERS.
16. NEW 14"Ø HEADER.
17. PROVIDE NEW 14'x12" ECCENTRIC WELDED REDUCER WITH FLAT SIDE ON BOTTOM.
18. NEW 14"x14"x12" WELDED TEE. CONNECT EXISTING PUMP DISCHARGE PIPING AND EXISTING CHILLER RISERS INTO NEW TEE.
19. PROVIDE NEW CHILLED WATER PUMP (CHP-3).
20. PROVIDE NEW CONDENSER WATER PUMP (CP-3).
21. EXISTING COOLING TOWER CELL. THIS CONTRACTOR SHALL CONTRACT WITH TOWER TECH TO HAVE A TECHNICIAN COME TO THE SITE AND MODIFIED THE THREE EXISTING CELLS TO BRING CELLS BACK TO ORIGINAL DESIGN INTENT AND SPECIFICATIONS. FOLLOW TECH INSTRUCTIONS AND RECOMMENDATIONS.
22. EXISTING 14" UNDER FLOOR AND UNDER GROUND CWS SHALL REMAIN AND BE RE-USED
23. EXISTING FLOOR FLANGES AND BUTTERFLY VALVES SHALL REMAIN AND BE RE-USED.
24. EXISTING 12" FLEX CONNECTION AND SUCTION DIFFUSER SHALL REMAIN AND BE RE-USED.
25. PROVIDE NEW 12"x10" SUCTION DIFFUSER AND CONNECT THE 12" SYSTEM SIDE ON EXISTING 12" FLANGE. CONNECT THE 10" PUMP SIDE TO NEW FLANGED FLEX CONNECTION.
26. PROVIDE NEW 12"x8" CONCENTRIC REDUCER AND 8"-150 # FLANGE CONNECTION TO PUMPS 8" DISCHARGE FLANGE. CONNECT NEW 12"x8" REDUCER TO EXISTING 12" FLEX CONNECTION WITH NEW 12"-150# COMPANION FLANGE.
27. PROVIDE NEW 12"x10" REDUCING 90° ELL.
28. EXISTING PUMP PIPING AND TRIPLE DUTY VALVES, ETC. SHALL REMAIN.
29. EXISTING 12" PIPING, ETC. SHALL REMAIN.
30. REMOVE EXISTING OVERFLOW AND SIPHON BREAKER WEST OF CELL #1. REDO WITH NEW PIPING AS SHOWN.
31. NEW CHEMICAL FEED THRED-O-LET CONNECTION TO NEW CWS PIPING. RE-USE EXISTING PLASTIC PIPING TO NEW CONNECTION.
32. PROVIDE NEW 10" COMPANION FLANGES FOR CONNECTION TO TOWER SUMP BOTTOM OUTLET. FLANGE MATERIAL SHALL BE PER MANUFACTURERS RECOMMENDATIONS.
33. PROVIDE NEW 14"x12" WELDED REDUCING 90° ELL.
34. PROVIDE NEW 12"x8" WELDED REDUCING 90° ELL.
35. EXISTING BUTTERFLY VALVES SHALL REMAIN.
36. PROVIDE NEW BUTTERFLY VALVES AND COMPANION FLANGES.
37. PROVIDE NEW 8" PVC VAN STONE COMPANION FLANGES FOR CONNECTION TO TOWER NOZZLE ASSEMBLY.
38. PROVIDE NEW 14"Ø CONNECTION TO EXISTING PIPING OR FITTINGS AS SHOWN.
39. CONNECT EXISTING 10" CWS FROM TUNNEL SUMP INTO NEW 14"x14"x10" TEE.
40. EXISTING 1" COLD WATER PIPING TO EXISTING HOSE BIBB AT COOLING TOWER SHALL REMAIN.
41. EXTEND DRAIN DOWN TO APRON. EXTEND TO EXISTING DRAIN.
42. CONNECT EXISTING 8" CWR PIPING INTO NEW 14"x14"x8" OUTLET TEE.
43. NEW PIPING.
44. PROVIDE NEW 14"x14"x10" WELDED TEE.
45. REMOVE COLD WATER CONNECTION SERVING CH-1 PUMP OUT UNIT FROM WATER MAIN AND CONNECT INTO EXISTING BACKFLOW PROTECTED COLD WATER LINE SERVING CH-2.
46. CONNECT NEW COLD WATER PIPING INTO EXISTING BACKFLOW PROTECTED SUPPLY SERVING PUMP OUT UNIT FOR NEW CHILLER (CH-3), COLD WATER PIPING SERVING CH-2.
47. PROVIDE NEW CONNECTION INTO EXISTING COLD WATER SUPPLY TO PUMP OUT UNIT SERVING CH-1.
48. PROVIDE NEW 12" LONG FLANGED FLEX CONNECTION.
49. PROVIDE NEW FLOW SWITCH IN NEW PIPING. CONNECT TO EXISTING CONTROLLERS.
50. PROVIDE NEW AUTOMATIC TEMPERATURE SENSORS. CONNECT TO EXISTING CONTROLLERS.
51. PROVIDE NEW THERMOWELLS AND THERMOMETERS IN NEW PIPING.

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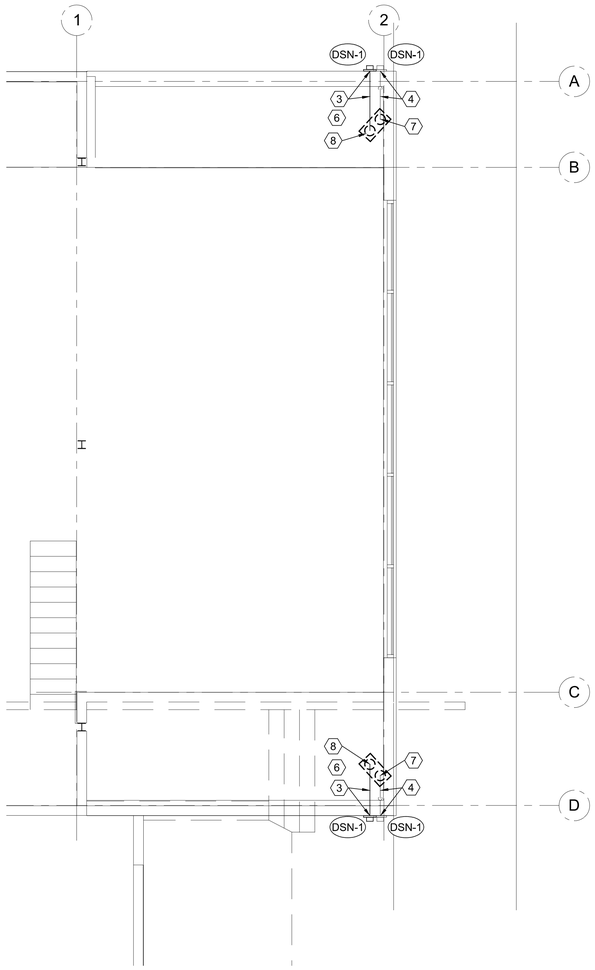
MECHANICAL PLANT FLOW SHEET

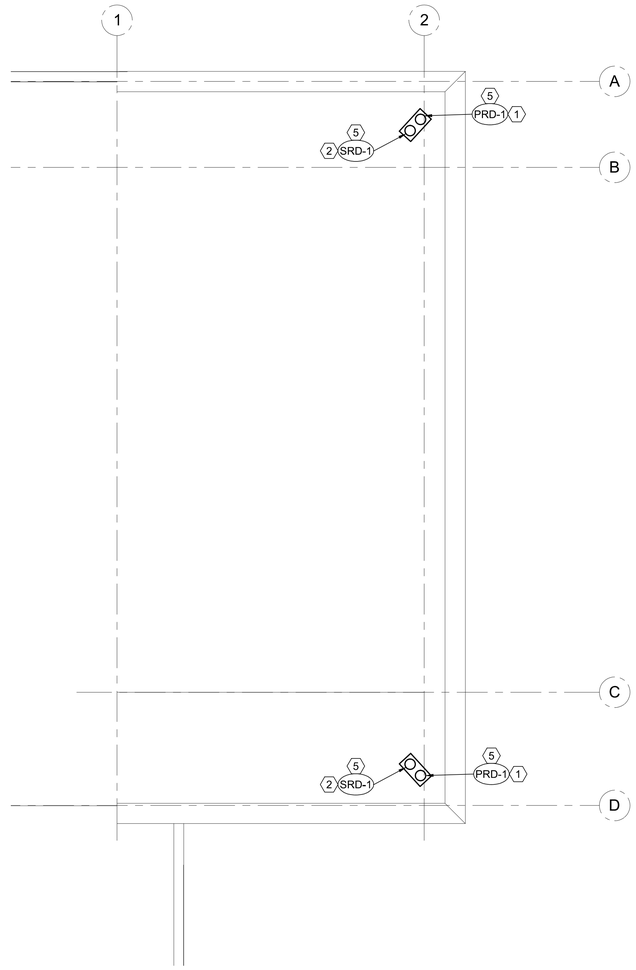
MPE701

SHEET NOTES:

1. 3" PRIMARY ROOF DRAIN. SEE FLOOR PLAN THIS SHEET FOR PIPING FROM DRAINS.
2. 3" SECONDARY ROOF DRAIN. SEE FLOOR PLAN THIS SHEET FOR PIPING FROM DRAINS.
3. ROUTE 3" SECONDARY DRAIN LINE BELOW ROOF DECK TO SIDE WALL. TERMINATE WITH 3" DOWN SPOUT NOZZLE. SEE NOZZLE DETAIL B5/PPE101.
4. ROUTE 3" PRIMARY DRAIN LINE TO DROP IN CORNER AND TERMINATE 12" FROM FLOOR. EXTEND THRU WALL AND TERMINATE WITH 3" DOWN SPOUT NOZZLE. SEE NOZZLE DETAIL B5/PPE101.
5. SEE ARCHITECTURAL FOR ROOF DRAIN INSTALLATION DETAILS.
6. FIELD VERIFY EXACT ROUTING OF PIPING SO PIPING WILL NOT INTERFERE WITH OTHER PIPING, CONDUIT OR EQUIPMENT.
7. 3" PRIMARY DRAIN FROM ABOVE. SEE ROOF PLAN THIS SHEET.
8. 3" SECONDARY DRAIN FROM ABOVE. SEE ROOF PLAN THIS SHEET. ROUTE SECONDARY PIPING JUST UNDER ROOF DECK TO DOWN SPOUTS.



MECHANICAL PLANT CHILLER ROOM
ROOF DRAIN PIPING PLAN
1/4" = 1'-0"

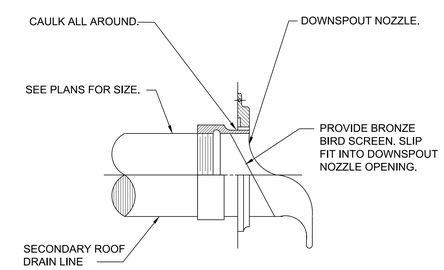


MECHANICAL PLANT CHILLER ROOM
ROOF DRAINS PLAN
1/4" = 1'-0"

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	WASTE	REMARKS
PRD-1	PRIMARY ROOF DRAIN	3"	ZURN Z-100 NO HUB, DURA-COATED CAST IRON BODY/ CAST IRON DOME
SRD-1	SECONDARY ROOF DRAIN	3"	ZURN Z-100 NO HUB, DURA-COATED CAST IRON BODY/ CAST IRON DOME
DSN-1	DOWN SPOUT NOZZLE	3"	ZURN Z-199, 3IP THREADED ALL NICKEL BRONZE BODY

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURER'S.



B5 DOWNSPOUT NOZZLE DETAIL
SCALE: NONE

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MECHANICAL PLANT CHILLER ROOM PLUMBING PLAN

PPE101

SYMBOL LEGEND

SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
A5 / E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
A5 / E-201	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
ROOM NAME 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
1	KEYNOTE INDICATOR.
1	REVISION INDICATOR.
CU-1	EQUIPMENT INDICATOR.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING.
	BREAK, ROUND.
MATCH LINE SEE XX/X-XXX	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	NEW LINE: MEDIUM LINE.
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE.
WIRING METHODS	
	WIRING.
	WIRING TURNED UP OR TOWARDS OBSERVER.
	WIRING TURNED DOWN OR AWAY FROM OBSERVER.
A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
1 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
— X —	WIRING AND/OR RACEWAY: THIN LINE. WHERE "X" = : CCTV = CLOSED CIRCUIT TELEVISION FA = FIRE ALARM FO = FIBER OPTICS I = INTERCOM P = POWER S = SOUND T = TELEPHONE TV = TELEVISION OTHERS AS NOTED IN OTHER SCHEDULES. RACEWAYS AND WIRING SHALL BE SIZED AS SHOWN AND/OR SPECIFIED.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
	JUNCTION BOX.
PB	PULL BOX.
	EARTH GROUND (ONE-LINE DIAGRAM).
WIRING DEVICES	
	RECEPTACLE, DUPLEX: NEMA 5-20R.
W	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
WP	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
X $	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
X $2	SWITCH, DOUBLE POLE ("x" INDICATES FIXTURES CONTROLLED).
X $3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
X $4	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
$WP	SWITCH, WEATHERPROOF.
SITE ELECTRICAL AND COMMUNICATIONS UTILITIES	
—3øUP—	ELECTRIC LINE: THIN LINE. 1ø = SINGLE PHASE, 2ø = 2-PHASE, 3ø = 3-PHASE, O = OVERHEAD, U = UNDERGROUND, P = PRIMARY, S = SECONDARY
C	UTILITY, COMMUNICATIONS MANHOLE.
E	UTILITY, ELECTRICAL MANHOLE.
S	SWITCH.
T	TRANSFORMER.
ELECTRICAL POWER AND DISTRIBUTION	
	FUSE WITH RATING (ONE-LINE DIAGRAM).
	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
	OVERLOAD RELAY (ONE-LINE DIAGRAM).
	STARTER (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).

SYMBOL LEGEND

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
MCP	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
GFP	CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
	MOTOR.
	HEATER, ELECTRIC RESISTANCE.
	TRANSFORMER (ONE-LINE DIAGRAM).
	TRANSFORMER, CURRENT (ONE-LINE DIAGRAM).
	CAPACITOR (ONE-LINE DIAGRAM).
	DELTA CONNECTION (ONE-LINE DIAGRAM).
	WYE CONNECTION (ONE-LINE DIAGRAM).
"1H"	PANELBOARD (ONE-LINE DIAGRAM).
225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
225/3 "1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
225/3 "1H" 60/3	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
225/3 "1H" 25/3	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
225/3 "1H" 225/3 "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
225/3 "1H" "1H"	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
	TRANSFER SWITCH (ONE-LINE DIAGRAM).
DMM	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
G	GENERATOR, POWER (ONE-LINE DIAGRAM).
M	METER.
VFC VFD	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	STARTER OR MOTOR CONTROLLER.
	PUSHBUTTON.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
DP#	DISTRIBUTION PANEL OR SWITCHBOARD.
$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
75	TRANSFORMER: NUMBER INDICATES kVA.
	RELAY CONTACT, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	RELAY CONTACT, NORMALLY OPEN (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY OPEN (ONE-LINE DIAGRAM).
	SWITCH, MULTIPOSITION (ONE-LINE DIAGRAM).
	SWITCH, SINGLE BREAK (ONE-LINE DIAGRAM).
LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)	
(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3)	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
EM	EMERGENCY.
NL	NIGHT LIGHT: DO NOT SWITCH.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
FIRE ALARM	
FCP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
C	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED TO BY FIRE ALARM INSTALLERS.
CM	CONTROL MODULE.
MM	MONITOR MODULE.
P	FIRE ALARM MANUAL PULL STATION.
R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
	DETECTOR, HEAT.
75	STROBE. SUBSCRIPT INDICATES CANDELA RATING.
WP	ALARM, HORN/SPEAKER, WEATHERPROOF.
75	ALARM, HORN/STROBE, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
	DETECTOR, FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	DETECTOR, TAMPER SWITCH WITH VALVE: TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

1P	SINGLE POLE	LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
1PH	SINGLE-PHASE	LPS	LOW PRESSURE SODIUM
3/C	THREE-CONDUCTOR	LRA	LOCKED ROTOR AMPS
3PH	THREE-PHASE	LTG	LIGHTING
4W	FOUR-WIRE	LV	LOW VOLTAGE
A	ABOVE COUNTER	MATV	MASTER ANTENNA TELEVISION SYSTEM
AC	ARMORED CABLE	MAX	MAXIMUM
ADA	AMERICANS WITH DISABILITIES ACT	MC	METAL CLAD
ADJ	ADJACENT	MCA	MINIMUM CIRCUIT AMPS
AFF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AFG	ABOVE FINISHED GRADE	MCC	MOTOR CONTROL CENTER
AIC	AMPERE INTERRUPTING CAPACITY	MCP	MOTOR CIRCUIT PROTECTION
ALUM	ALUMINUM	MDP	MAIN DISTRIBUTION PANEL
AMP	AMPERE	MH	MANHOLE
ANN	ANNUNCIATOR	MIN	MINIMUM
AR	AS REQUIRED	MLO	MAIN LUGS ONLY
ASC	AMPS SHORT CIRCUIT	MOCP	MAXIMUM OVERCURRENT PROTECTION
ATS	AUTOMATIC TRANSFER SWITCH	NA	NOT APPLICABLE
AWG	AMERICAN WIRE GAGE	NC	NORMALLY CLOSED
C	CEILING MOUNTED	NEC	NATIONAL ELECTRICAL CODE
CATV	COMMUNITY ANTENNA TELEVISION	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CB	CIRCUIT BREAKER	NFC	NATIONAL FIRE CODE
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CCTV	CLOSED CIRCUIT TELEVISION	NIC	NOT IN CONTRACT
CKT	CIRCUIT	NL	NIGHT LIGHT
CM	CONSTRUCTION MANAGER	NO	NORMALLY OPEN
CND	CONDUIT	NTS	NOT TO SCALE
CO	CONVENIENCE OUTLET	OC	ON CENTER
CP	CONTROL PANEL	OCP	OVER CURRENT PROTECTION
CT	CURRENT TRANSFORMER	OH DR	OVERHEAD (COILING) DOOR
CTV	CABLE TELEVISION	OL	OVERLOAD
CU	COPPER	PB	PUSHBUTTON
dBA	UNIT OF SOUND LEVEL	PF	POWER FACTOR
DPDT	DOUBLE POLE DOUBLE THROW	PH	PHASE
EA	EACH	PNL	PANEL
EM	EMERGENCY	PT	POTENTIAL TRANSFORMER
EMT	ELECTRICAL METALLIC TUBING	QTY	QUANTITY
EPO	EMERGENCY POWER OFF	R	REMOVE
EQUIP	EQUIPMENT	RCP	REFLECTED CEILING PLAN
EX	EXISTING	RMC	RIGID METAL CONDUIT
F	FURNITURE MOUNTED	RNC	RIGID NONMETALLIC CONDUIT
FA	FIRE ALARM	RPM	REVOLUTIONS PER MINUTE
FCP	FIRE ALARM CONTROL PANEL	RR	REMOVE AND RELOCATE
FLA	FULL LOAD AMPS	SCA	SHORT CIRCUIT AMPS
FMC	FLEXIBLE METALCONDUIT	SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
FOB	FREIGHT ON BOARD	SF	SQUARE FOOT (FEET)
FVNR	FULL VOLTAGE NON-REVERSING	SPDT	SINGLE POLE, DOUBLE THROW
FVR	FULL VOLTAGE REVERSING	SPEC	SPECIFICATION
G	GROUND	SPST	SINGLE POLE, SINGLE THROW
GEN	GENERATOR	S/S	START/STOP
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	ST	SINGLE THROW
GFP	GROUND FAULT PROTECTION	SWBD	SWITCHBOARD
HD	HEAVY DUTY	SWGR	SWITCHGEAR
HID	HIGH INTENSITY DISCHARGE	TL	TWIST LOCK
HOA	HAND-OFF-AUTOMATIC	TP	TELEPHONE POLE
HP	HORSE POWER	TP	TWISTED PAIR
HPF	HIGH POWER FACTOR	TTB	TELEPHONE TERMINAL BOARD
HPS	HIGH PRESSURE SODIUM	TV	TELEVISION
HV	HIGH VOLTAGE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
HZ	HERTZ	TYP	TYPICAL
IG	ISOLATED GROUND	UF	UNDERFLOOR
IMC	INTERMEDIATE METAL CONDUIT	UGND	UNDERGROUND
IN/IS	INSULATED/ISOLATED	UPS	UNINTERRUPTIBLE POWER SUPPLY
I/O	INPUT/OUTPUT	V	VOLTS
IR	INFRARED	VA	VOLT AMPERE
J-BOX	JUNCTION BOX	VFC/VFD	VARIABLE FREQUENCY MOTOR CONTROLLER
KV	KILOVOLT	W/	WITH
KVA	KILOVOLT AMPERE	W/O	WITHOUT
kVAR	KILOVOLT AMPERE REACTIVE	WP	WEATHERPROOF
kW	KILOWATT	XFMR	TRANSFORMER
kWh	KILOWATT HOUR		
LED	LIGHT EMITTING DIODE		
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT		

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

CENTRAL PLANT ELECTRICAL SHEET INDEX

SHEET NO	SHEET TITLE
EPE051	ELECTRICAL SHEET INDEX, SYMBOL LEGEND, GENERAL NOTES – CENTRAL PLANT
EPE551	DETAILS – CENTRAL PLANT
EPE552	DETAILS – CENTRAL PLANT
EPD151	ELECTRICAL DEMOLITION PLAN – CENTRAL PLANT
EPP151	POWER PLAN – CENTRAL PLANT
EPP651	POWER ONE-LINE DIAGRAM – CENTRAL PLANT
EPP652	EQUIPMENT & PANEL SCHEDULES – CENTRAL PLANT
EPL151	LIGHTING PLAN – CENTRAL PLANT

GENERAL ELECTRICAL NOTES

1. CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
   A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
   B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
   C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
3. EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
4. SUBMITTALS: PROVIDE SUBMITTALS IN THREE RING BINDERS WITH JOB NAME, SUBCONTRACTOR, AND VOLUME ON THE BINDING. PREPARE TABS FOR EACH SPECIFICATION SECTION REQUIRING SUBMITTALS. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
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SPECTRUM ENGINEERS

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #062976 40
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn DLM Checked DEW
Date 12/03/2010
Owner #
Ins. #

ELECTRICAL SHEET INDEX, SYMBOL LEGEND, GENERAL NOTES - CENTRAL PLANT

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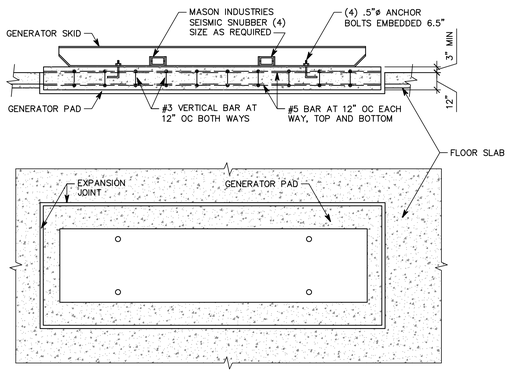

NOTE:
ELECTRICAL CONTRACTOR SHALL FURNISH GENERAL CONTRACTOR WITH GENERATOR PAD DIMENSIONS SO THAT BLOCK WILL BE MADE FOR GENERATOR PAD. GENERATOR PAD SHALL BE SEPARATE FROM BUILDING FLOOR SLAB TO PROVIDE PROPER VIBRATION ISOLATION.

A5 GENERATOR PAD DETAIL

NTS

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

SASAKI

LICENSED PROFESSIONAL ENGINEER
No. 181563
DAVID E.
WESEMANN
STATE OF UTAH

SPECTRUM
ENGINEERS

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn DLM Checked DEW
Date 12/03/2010
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DETAILS - CENTRAL PLANT

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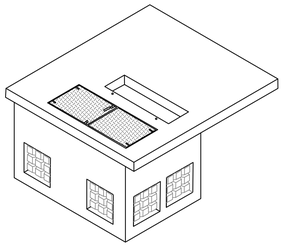


FIGURE 1 – PADVAULT

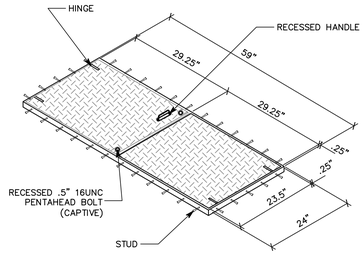
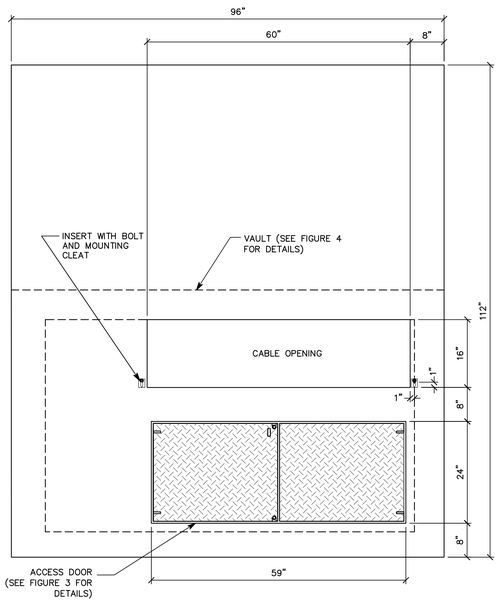


FIGURE 3 – ACCESS DOOR DETAIL



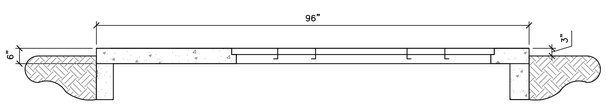
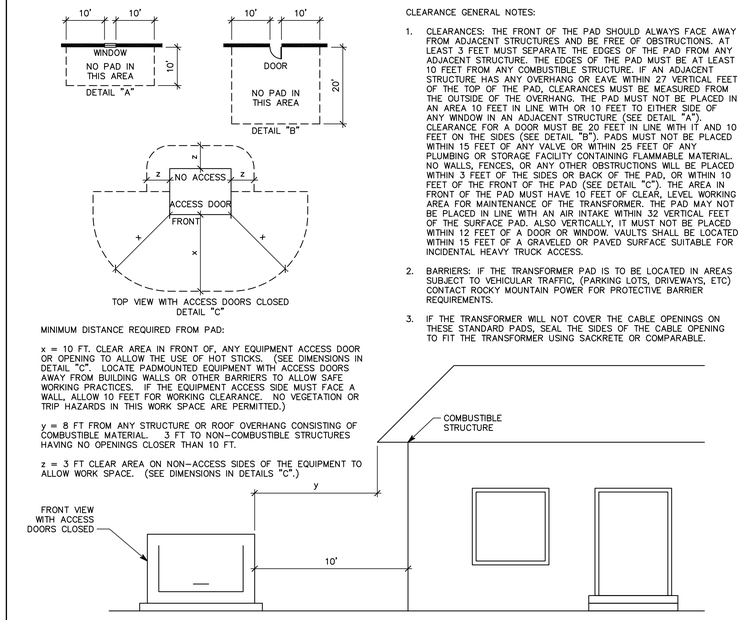


FIGURE 2 – PADVAULT PAD WITH ACCESS 84" OR 96" WIDE

A2 THREE–PHASE TRANSFORMER PADVAULT

NTS



MINIMUM DISTANCE REQUIRED FROM PAD:

x = 10 FT. CLEAR AREA IN FRONT OF, ANY EQUIPMENT ACCESS DOOR OR OPENING TO ALLOW THE USE OF HOT STICKS. (SEE DIMENSIONS IN DETAIL "C". LOCATE PADMOUNTED EQUIPMENT WITH ACCESS DOORS AWAY FROM BUILDING WALLS OR OTHER BARRIERS TO ALLOW SAFE WORKING PRACTICES. IF THE EQUIPMENT ACCESS SIDE MUST FACE A WALL, ALLOW 10 FEET FOR WORKING CLEARANCE. NO VEGETATION OR TRIP HAZARDS IN THIS WORK SPACE ARE PERMITTED.)

y = 8 FT FROM ANY STRUCTURE OR ROOF OVERHANG CONSISTING OF COMBUSTIBLE MATERIAL. 3 FT TO NON–COMBUSTIBLE STRUCTURES HAVING NO OPENINGS CLOSER THAN 10 FT.

z = 3 FT CLEAR AREA ON NON–ACCESS SIDES OF THE EQUIPMENT TO ALLOW WORK SPACE. (SEE DIMENSIONS IN DETAILS "C".)

CLEARANCE GENERAL NOTES:

1. CLEARANCES: THE FRONT OF THE PAD SHOULD ALWAYS FACE AWAY FROM ADJACENT STRUCTURES AND BE FREE OF OBSTRUCTIONS. AT LEAST 3 FEET MUST SEPARATE THE EDGES OF THE PAD FROM ANY ADJACENT STRUCTURE. THE EDGES OF THE PAD MUST BE AT LEAST 10 FEET FROM ANY COMBUSTIBLE STRUCTURE. IF AN ADJACENT STRUCTURE HAS ANY OVERHANG OR EAVE WITHIN 27 VERTICAL FEET OF THE TOP OF THE PAD, CLEARANCES MUST BE MEASURED FROM THE OUTSIDE OF THE OVERHANG. THE PAD MUST NOT BE PLACED IN AN AREA 10 FEET IN LINE WITH OR 10 FEET TO EITHER SIDE OF ANY WINDOW IN AN ADJACENT STRUCTURE (SEE DETAIL "A"). CLEARANCE FOR A DOOR MUST BE 20 FEET IN LINE WITH IT AND 10 FEET ON THE SIDES (SEE DETAIL "B"). PADS MUST NOT BE PLACED WITHIN 15 FEET OF ANY VALVE OR WITHIN 25 FEET OF ANY PLUMBING OR STORAGE FACILITY CONTAINING FLAMMABLE MATERIAL. NO WALLS, FENCES, OR ANY OTHER OBSTRUCTIONS WILL BE PLACED WITHIN 3 FEET OF THE SIDES OR BACK OF THE PAD, OR WITHIN 10 FEET OF THE FRONT OF THE PAD (SEE DETAIL "C"). THE AREA IN FRONT OF THE PAD MUST HAVE 10 FEET OF CLEAR, LEVEL WORKING AREA FOR MAINTENANCE OF THE TRANSFORMER. THE PAD MAY NOT BE PLACED IN LINE WITH AN AIR INTAKE WITHIN 32 VERTICAL FEET OF THE SURFACE PAD. ALSO VERTICALLY, IT MUST NOT BE PLACED WITHIN 12 FEET OF A DOOR OR WINDOW. VAULTS SHALL BE LOCATED WITHIN 15 FEET OF A GRAVELED OR PAVED SURFACE SUITABLE FOR INCIDENTAL HEAVY TRUCK ACCESS.
2. BARRIERS: IF THE TRANSFORMER PAD IS TO BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC, (PARKING LOTS, DRIVEWAYS, ETC) CONTACT ROCKY MOUNTAIN POWER FOR PROTECTIVE BARRIER REQUIREMENTS.
3. IF THE TRANSFORMER WILL NOT COVER THE CABLE OPENINGS ON THESE STANDARD PADS, SEAL THE SIDES OF THE CABLE OPENING TO FIT THE TRANSFORMER USING SACKRETE OR COMPARABLE.

D4 CLEARANCE DETAIL

NTS

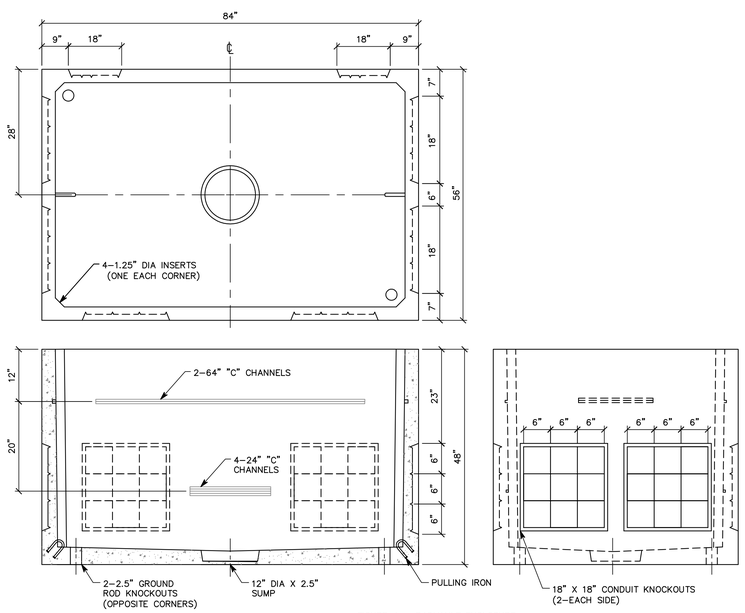


FIGURE 4 – PADVAULT ENCLOSURE

GENERAL SHEET NOTES

1. SCOPE

THIS MATERIAL SPECIFICATION OUTLINES THE MINIMUM REQUIREMENTS FOR PADVAULTS TO BE USED IN CONJUNCTION WITH PACIFICORP–OWNED THREE–PHASE TRANSFORMERS (SEE FIGURE 1). THE MATERIAL SPECIFICATION APPLIES WHETHER THE PADVAULT IS TO BE INSTALLED BY COMPANY PERSONNEL, CONTRACTOR, CUSTOMER, OR THE SUPPLIER.

2. APPLICABLE DOCUMENTS

THE LATEST REVISIONS OF THE DOCUMENTS, STANDARDS, CODES, AND REQUIREMENTS LISTED IN 2.1, PACIFICORP, AND 2.2, CODES AND STANDARDS, IN EFFECT ON THE DATE OF INVITATION TO BID APPLY TO THE EXTENT SPECIFIED HEREIN.

2.1 PACIFICORP

ZG 301 GENERAL EQUIPMENT BASE AND ENCLOSURE REQUIREMENTS
ZG 311 CONCRETE REQUIREMENTS

2.2 CODES AND STANDARDS

WESTERN UNDERGROUND COMMITTEE GUIDE 2.13, SECURITY FOR PADMOUNTED EQUIPMENT ENCLOSURES

APPLICABLE CODES
ANSI STANDARDS
IEEE STANDARDS
NEMA STANDARDS

3. GENERAL

3.1 APPLICATION INFORMATION

THIS MATERIAL SPECIFICATION STATES MATERIAL AND CONSTRUCTION REQUIREMENTS THAT ARE APPLICABLE TO ALL THREE–PHASE TRANSFORMER PADVAULTS.

3.2 AUTHORIZED MATERIAL SPECIFICATION

THIS MATERIAL SPECIFICATION IS NOT CONSIDERED VALID UNTIL EACH PAGE CONTAINS THE APPROVAL SIGNATURE OR INITIALS OF THE PERSONS NAMED IN THE TITLE BLOCKS.

4. APPLICABLE STOCK ITEM NUMBERS

MATERIALS BEING SUBMITTED FOR THE FOLLOWING PACIFICORP STOCK ITEM NUMBERS ARE SUBJECT TO EVALUATION IN ACCORDANCE WITH REQUIREMENTS IN THIS MATERIAL SPECIFICATION.

1790023, PADVAULT, TRANSFORMER, 3–PHASE, 75–500 KVA
1790024, PADVAULT, TRANSFORMER, 3–PHASE, 500–2500 KVA

5. PRODUCT AND INSTALLATION REQUIREMENTS

THE PURPOSE OF A THREE–PHASE TRANSFORMER PADVAULT IS TO SUPPORT A THREE–PHASE TRANSFORMER.

5.1 PADVAULT LAYOUT

THE THREE–PHASE TRANSFORMER PADVAULT IS COMPOSED OF TWO PIECES: (1) THE PAD, AND (2) THE ENCLOSURE. UNLESS OTHERWISE APPROVED BY PACIFICORP ENGINEERING, ALL DIMENSIONS AND PLACEMENT OF HARDWARE SHALL CONFORM TO THOSE SHOWN ON THIS SHEET. THE ENCLOSURE IS COMMON TO ALL PADVAULTS COVERED BY THIS MATERIAL SPECIFICATION, ZG 531, PADVAULT–THREE–PHASE SECTIONALIZING CABINET, AND ZG 551, PADVAULT–THREE–PHASE FUSING CABINET.

5.2 INSERTS

TWO .375" 16UNC STAINLESS STEEL OR NYLON THREADED INSERTS AND STAINLESS STEEL BOLTS WITH CLEATS FOR MOUNTING THE TRANSFORMER SHALL BE PLACED IN THE PAD AS SHOWN IN FIGURE 2.

5.3 PULLING ATTACHMENTS

CABLE PULLING ATTACHMENTS SHALL BE INSTALLED OPPOSITE OF EACH SET OF CONDUIT BREAKOUTS SUCH THAT BLOCKS MAY BE ATTACHED FOR A STRAIGHT CABLE PULL. PULLING ATTACHMENTS SHALL HAVE A MINIMUM PULLOUT STRENGTH OF 6000 POUNDS. ATTACHMENTS SHALL ALLOW THE ATTACHMENT OF A CLEVIS WITH A ONE–INCH DIAMETER THROUGH BOLT. PULLING ATTACHMENTS MAY BE DESIGNED BY THE MANUFACTURER TO MEET THESE REQUIREMENTS.

5.4 CONDUIT ENTRANCES

BANKS OF NINE (9) SIX–INCH SQUARE BREAKOUTS SHALL BE USED FOR CONDUIT ENTRANCES. TWO BANKS OF KNOCKOUTS SHALL BE PLACED IN EACH SIDE AND IN EACH END OF THE ENCLOSURE.

5.5 LIFTING ATTACHMENTS

ENOUGH LIFTING ATTACHMENTS SHALL BE PROVIDED TO ENSURE SAFE INSTALLATION OF ALL PIECES AT THE SITE.

5.6 INSTALLATION

THIS UNIT SHALL BE INSTALLED AT THE SITE BY THE SUPPLIER OR CONTRACTOR. ALL EARTH UNDER THE PADVAULT SHALL BE COMPACTED AND LEVEL PRIOR TO SETTING THE PADVAULT. PROVIDE 6" OF 3/4–INCH–MINUS GRAVEL BACKFILL BASE. THE JOINT BETWEEN THE PAD AND ENCLOSURE SHALL BE SEALED USING TAR OR MASTIC. THE TOP OF THE PAD SHOULD BE TWO TO FOUR INCHES ABOVE FINAL GRADE, WHEN INSTALLED.

6. TESTING

6.1 TEST COMPLIANCE

PADVAULTS SUBMITTED UNDER THIS MATERIAL SPECIFICATION SHALL MEET ALL TESTS AND REQUIREMENTS CONTAINED IN ZG 301, GENERAL EQUIPMENT BASE AND ENCLOSURE REQUIREMENTS, ZG 311, CONCRETE REQUIREMENTS, AND THIS MATERIAL SPECIFICATION. PADVAULTS WILL ALSO COMPLY WITH REQUIREMENTS IN APPLICABLE NATIONAL STANDARDS.

6.2 SECURITY TEST

TRANSFORMER PADVAULTS MUST BE ABLE TO PASS THE FOLLOWING SECURITY TEST. THE SECURITY TEST IS DESIGNED TO ENSURE THAT PADMOUNT EQUIPMENT, WHICH COMPLIES WITH WESTERN UNDERGROUND COMMITTEE GUIDE 2.13, SECURITY FOR PADMOUNTED EQUIPMENT ENCLOSURES, IS NOT COMPROMISED BY UNEVEN PAD SETTING.

WITH THE APPROPRIATE TRANSFORMER MOUNTED, ATTEMPT TO PASS A #14 AWG SOFT–DRAWN COPPER WIRE THROUGH THE INTERFACE BETWEEN THE CABINET AND PAD. IF THE WIRE CAN BE PASSED THROUGH, THE PADVAULT HAS FAILED THE TEST AND IS NOT ACCEPTABLE.

7. PROVIDE AMCOR TYPE GV151 PADVAULT OR AS APPROVED OR DIRECTED BY ENGINEER.

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SASAKI
LICENSED PROFESSIONAL ENGINEER No. 181563 DAVID E. WESEMANN STATE OF UTAH
SPECTRUM ENGINEERS

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn DLM Checked DEW
Date 12/03/2010
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DETAILS - CENTRAL PLANT

EPE552
Sheet Number

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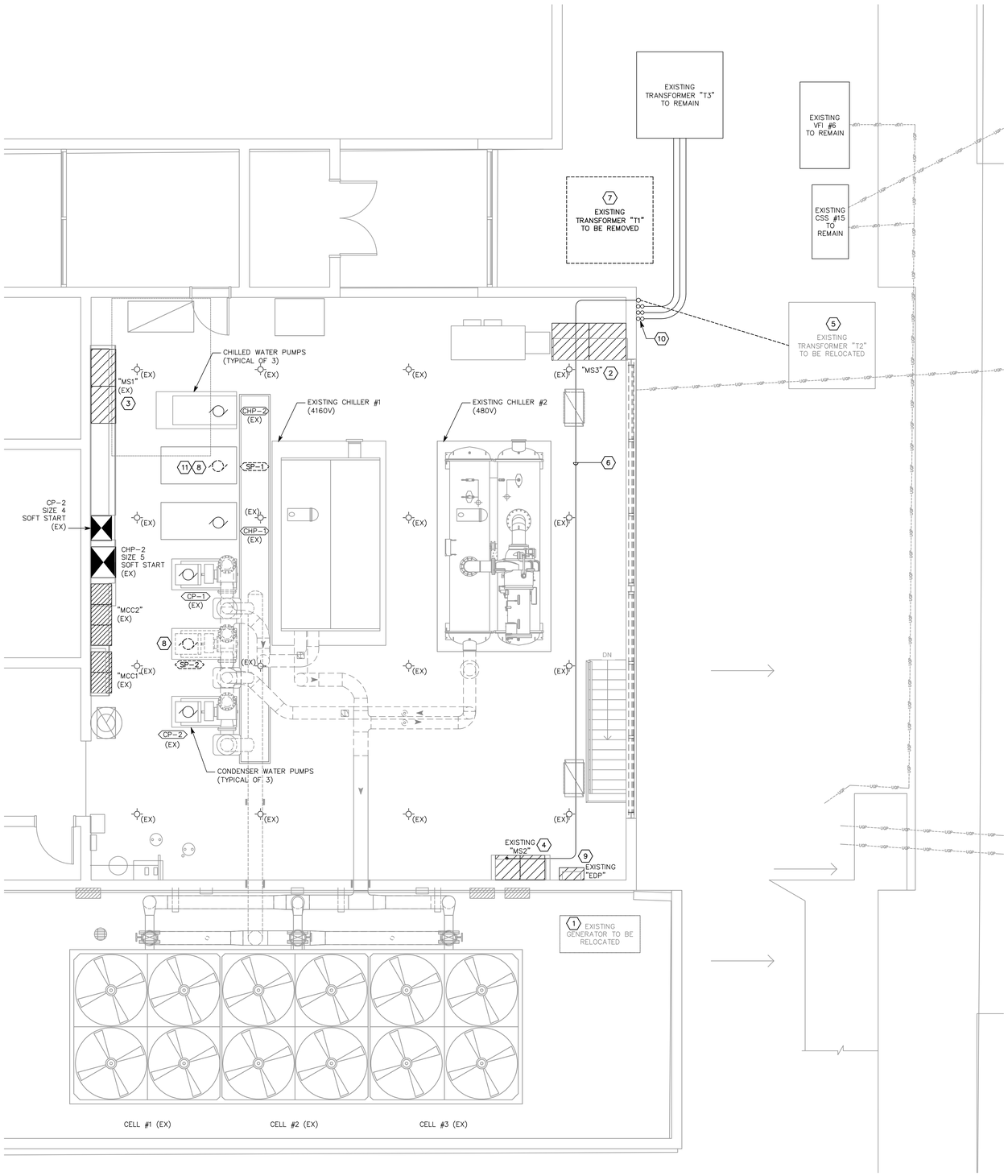

A1 ELECTRICAL DEMOLITION PLAN – CENTRAL PLANT

SCALE: 1/4"=1'-0"

SHEET KEYNOTES

1. REMOVE AND RELOCATE EXISTING GENERATOR (SERVES BROWNING RESOURCE CENTER, LIBRARY AND SCIENCE BUILDINGS).
2. EXISTING 480V MAIN SWITCHBOARD SERVING CHILLER #2 TO REMAIN.
3. EXISTING 480V MAIN SWITCHBOARD SERVING CENTRAL PLANT TO REMAIN AND BE RE-FED FROM NEW TRANSFORMER.
4. EXISTING 4160V MAIN SWITCHBOARD SERVING CHILLER #1 TO REMAIN. SWITCHBOARD IS REQUIRED TO BE RE-FED DUE TO TRANSFORMER RELOCATION.
5. EXISTING 750 KVA/4160V TRANSFORMER TO BE RELOCATED. DISCONNECT AND REMOVE PRIMARY AND SECONDARY CONDUCTORS. RELOCATE TRANSFORMER AS INDICATED ON NEW ELECTRICAL PLAN. PROVIDE NEW PRIMARY AND SECONDARY FEEDERS.
6. EXISTING 4" CONDUIT WITH 15 KV CONDUCTORS SERVING 4160V CHILLER #1. REMOVE CONDUCTORS AND PROVIDE NEW. ASSUME 3 #2/0 CU 15 KV EPR WITH 1 #2/0 THWN CU GR. EXISTING CONDUIT MAY BE REUSED AND EXTENDED TO NEW TRANSFORMER LOCATION.
7. REMOVE EXISTING TRANSFORMER "T1" WITH ASSOCIATED PRIMARY AND SECONDARY CONDUCTORS AND CONDUIT. ITS LOAD WILL BE SERVED FROM NEW TRANSFORMER "T4".
8. DISCONNECT AND REMOVE CONDUIT AND WIRING FEEDING PUMP TO BE REMOVED.
9. EXISTING EMERGENCY PANEL "EDP" TO REMAIN AND BE SERVED FROM RELOCATED GENERATOR. CONNECTED LOADS WILL REMAIN. NEW FEEDER IS REQUIRED.
10. EXISTING EXTERIOR EXPOSED CONDUITS AND WIRING RISING FROM BELOW GRADE UP OUTSIDE WALL AND INTO THE CENTRAL PLANT. THESE CONDUITS ARE TO REMAIN AND SHALL BE PROTECTED DURING DEMOLITION AND CONSTRUCTION. COORDINATE WITH OTHER TRADES.
11. THIS PUMP IS BEING REPLACED WITH NEW PUMP OF SAME SIZE. EXISTING SOURCE AND FEEDER MAY BE REUSED. SPLICE AND EXTEND CONDUIT AND CONDUCTORS AS NECESSARY.

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

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ELECTRICAL DEMOLITION PLAN - CENTRAL PLANT

EPD151
Sheet Number

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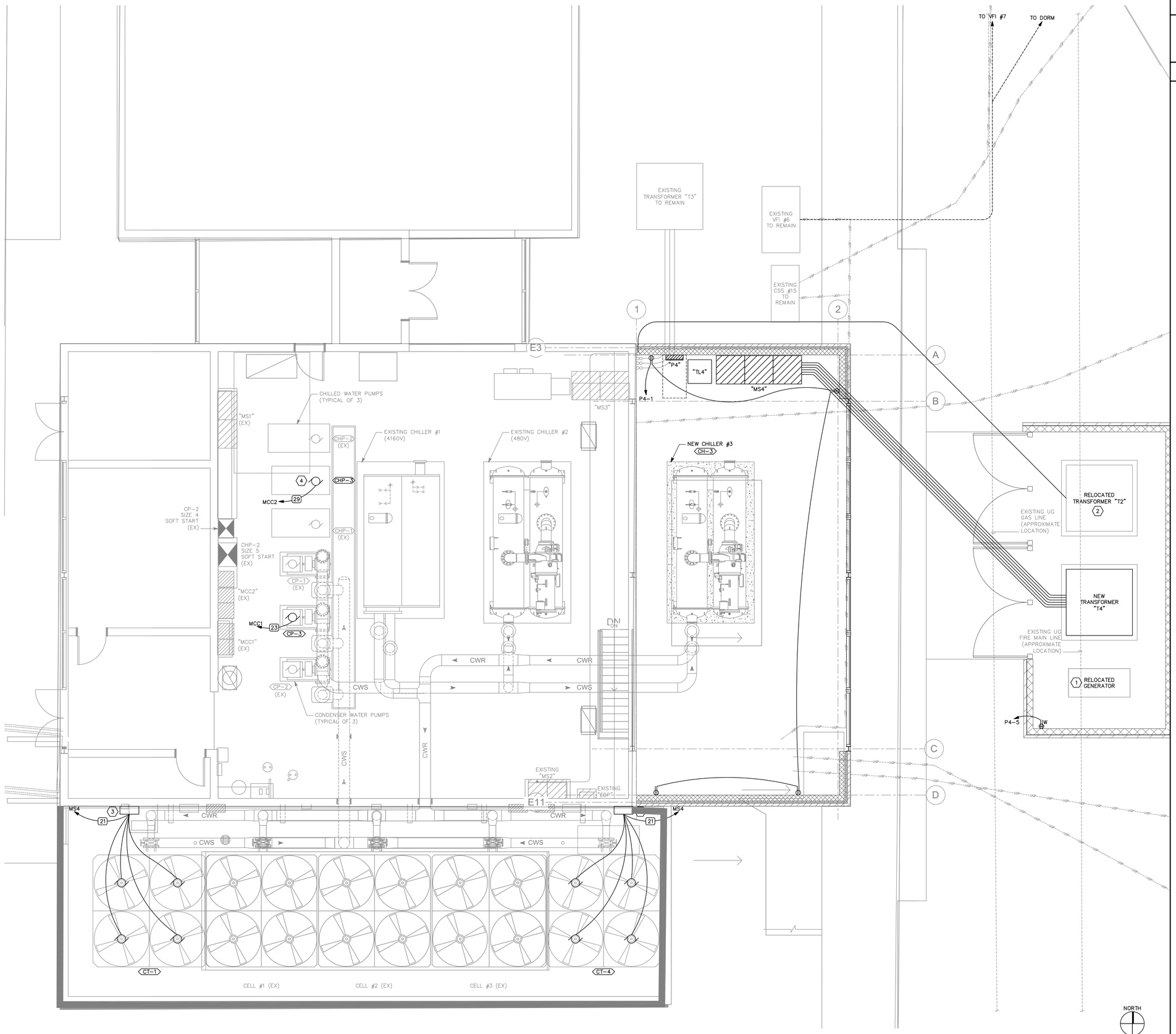

A1 POWER PLAN – CENTRAL PLANT

SCALE: 1/4"=1'-0"

GENERAL SHEET NOTES

1. LOCATE AND PROTECT EXISTING UNDERGROUND UTILITIES TO ACCOMMODATE EXCAVATION AND NEW UNDERGROUND WORK. RELOCATE UTILITIES AS REQUIRED FOR NEW WORK. REPAIR AND REPLACE ANY EXISTING UTILITIES THAT ARE DAMAGED AS A RESULT OF THIS PROJECT.
2. PAINT ALL EXPOSED RACEWAYS TO MATCH DIXIE STATE COLLEGE COLOR SCHEME OF PAINTED PIPES AND RACEWAYS.

SHEET KEYNOTES

1. RELOCATE EXISTING GENERATOR TO THIS LOCATION AND PROVIDE NEW FEEDER AND CONTROL WIRING TO EXISTING PANEL "EPD". RE-TEST AND COMMISSION GENERATOR AND CONTROL SEQUENCE TO VERIFY PROPER OPERATION.
2. RELOCATE EXISTING TRANSFORMER T2 TO THIS LOCATION AND PROVIDE NEW PAD VAULT. PROVIDE NEW PRIMARY AND SECONDARY FEEDERS TO EXISTING 4160V SWITCHBOARD MS2.
3. COOLING TOWER CONTROL PANEL FURNISHED WITH COOLING TOWER AND INSTALLED BY ELECTRICAL INSTALLER. PROVIDE ALL REQUIRED FIELD WIRING PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
4. RECONNECT NEW PUMP TO ORIGINAL SOURCE AND WIRING. MODIFY AND EXTEND CONDUIT AND WIRING AS REQUIRED.

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POWER PLAN - CENTRAL PLANT

EPP151
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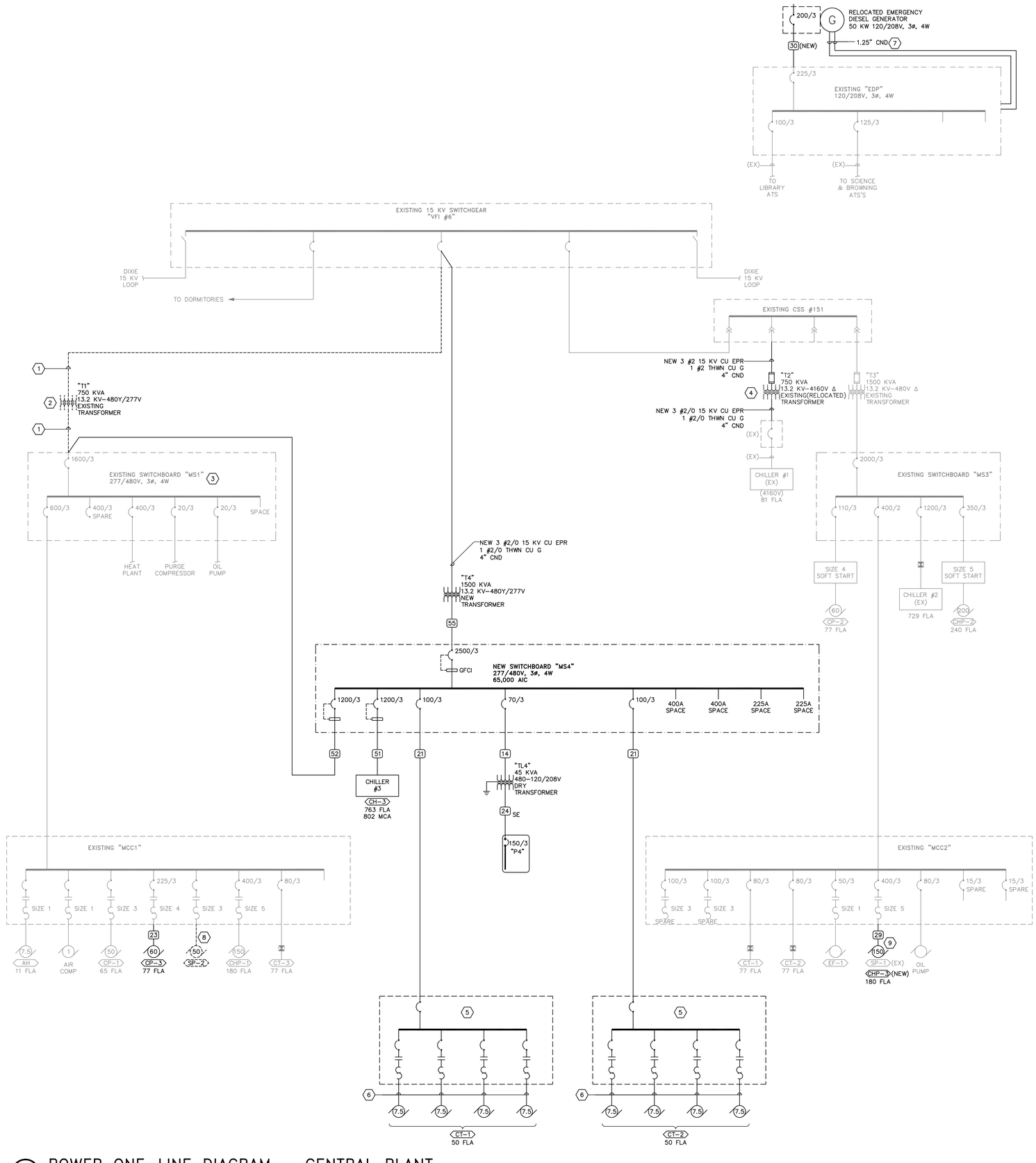

A1 POWER ONE-LINE DIAGRAM – CENTRAL PLANT

NO SCALE

CONDUCTOR AND CONDUIT SCHEDULE

SCHEDULE NUMBER

SUBSCRIPT (NOTE 5)

(E.G.) 5 IG

SYM	AMP	CONDUIT SIZE	CONDUCTOR(NOTE 1) QTY	SIZE	G	IG	SE	NOTES
1	20	.75	2	12	12	12	8	2
2	20	.75	3	12	12	12	8	2,3
3	20	.75	4	12	12	12	8	2,3
4	30	.75	2	10	10	10	8	2
5	30	.75	3	10	10	10	8	2
6	30	.75	4	10	10	10	8	2
7	40	1	2	8	10	8	6	2
8	40	1	3	8	10	8	6	2
9	40	1	4	8	10	8	6	2
10	55	1	2	6	10	8	4	2
11	55	1	3	6	10	8	4	2
12	55	1.25	4	6	10	8	4	2
13	70	1	2	4	8	4	2	2
14	70	1.25	3	4	8	4	2	2
15	70	1.25	4	4	8	4	2	2
16	85	1.25	2	3	8	3	2	2
17	85	1.25	3	3	8	3	2	2
18	85	1.25	4	3	8	3	2	2
19	95	1.25	3	2	8	2	2	2
20	95	1.50	4	2	8	2	2	2
21	130	1.50	3	1	6	2	2	2
22	130	1.50	4	1	6	2	2	2
23	150	2	3	1/0	6	2	1/0	2
24	150	2	4	1/0	6	2	1/0	2
25	175	2	3	2/0	6	2	2/0	2
26	175	2	4	2/0	6	2	2/0	2
27	200	2	3	3/0	6	2	2/0	2
28	200	2.50	4	3/0	6	2	2/0	2
29	230	2.50	3	4/0	4	2	2/0	2
30	230	2.50	4	4/0	4	2	2/0	2
31	255	2.50	3	250	4	1	2/0	2
32	255	2.50	4	250	4	1	2/0	2
33	310	3	3	350	3	1/0	3/0	2
34	310	3	4	350	3	1/0	3/0	2
35	380	3.50	3	500	3	3/0	3/0	2
36	380	4	4	500	3	3/0	3/0	2
37	400	2 EA 2	3	3/0	3	3/0	3/0	2
38	400	2 EA 2.50	4	3/0	3	3/0	3/0	2
39	510	2 EA 2.50	3	250	1	4/0	3/0	2
40	510	2 EA 3	4	250	1	4/0	3/0	2
41	620	2 EA 3	3	350	1/0	4/0	3/0	2,4
42	620	2 EA 3	4	350	1/0	4/0	3/0	2,4
43	760	2 EA 3.50	3	500	1/0	4/0	3/0	2,4
44	760	2 EA 4	4	500	1/0	4/0	3/0	2,4
45	855	3 EA 3	3	300	2/0	4/0	3/0	2,4
46	855	3 EA 3	4	300	2/0	4/0	3/0	2,4
47	1000	3 EA 3.50	3	400	2/0	4/0	3/0	4
48	1000	3 EA 3.50	4	400	2/0	4/0	3/0	4
49	1140	3 EA 4	3	500	3/0	4/0	3/0	4
50	1140	3 EA 4	4	500	3/0	4/0	3/0	4
51	1240	4 EA 3	3	350	3/0	4/0	3/0	4
52	1240	4 EA 3	4	350	3/0	4/0	3/0	4
53	1675	5 EA 3.50	4	400	4/0	4/0	4/0	4
54	2010	6 EA 3.50	4	400	250	250	250	4
55	2660	7 EA 4	4	500	350	350	350	4
56	3040	8 EA 4	4	500	500	500	500	4
57	4180	11 EA 4	4	500	500	500	500	4
58		5 EA 4						6
59		5						6
60		10 EA 4						6

CONDUCTOR AND CONDUIT SCHEDULE NOTES

1. CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THWN UNLESS OTHERWISE NOTED.
2. PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
3. PROVIDE #10 NEUTRALS FOR MULTIWIRE BRANCH CIRCUITS SERVING COMPUTERS.
4. GROUND (G) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
5. WHEN SYMBOL SUBSCRIPT INDICATES "IG", INCLUDE "IG" OR INSULATED GROUND CONDUCTOR SCHEDULED ALONG WITH GROUND OR EQUIPMENT GROUND CONDUCTOR. WHEN SYMBOL SUBSCRIPT INDICATES "SE", SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEMS.
6. RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.

GENERAL SHEET NOTES

1. PROVIDE NEMA 3R ENCLOSURES FOR EQUIPMENT LOCATED OUTDOORS. REFER TO PLANS FOR EQUIPMENT LOCATIONS.
2. REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.
3. ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.

⬡SHEET KEYNOTES

1. REMOVE PRIMARY AND SECONDARY FEEDER CONDUCTORS ASSOCIATED WITH TRANSFORMER "T1" TO BE REMOVED. REFEED "MS1" AS INDICATED.
2. REMOVE TRANSFORMER "T1" AND DELIVER TO DIXIE COLLEGE FOR SALVAGE/REUSE.
3. REFEED EXISTING "MS1" FROM NEW "MS4" AS INDICATED.
4. REMOVE TRANSFORMER "T2" WITH ASSOCIATED PRIMARY AND SECONDARY FEEDER CONDUCTORS AND CONDUIT. RELOCATE TRANSFORMER AND PROVIDE NEW PRIMARY AND SECONDARY CONDUCTORS AND CONDUIT AS INDICATED.
5. CONTROL PANEL FURNISHED BY EQUIPMENT MANUFACTURER AND INSTALLED BY ELECTRICAL INSTALLER.
6. PROVIDE FIELD WIRING FROM CONTROL PANEL TO MOTORS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. ASSUME 3 #10, 1 #10 GR IN 0.75" CND FOR EACH MOTOR. ALSO PROVIDE 1" CONDUIT WITH CONTROL WIRING FROM TOWER CELLS TO CONTROL PANEL.
7. PROVIDE (2) 1.25" CND FROM "EDP TO RELOCATED GENERATOR AND EXTEND CONTROL WIRING FROM EDP TO GENERATOR. RECONNECT AND TEST FOR CONTROL SEQUENCE AND OPERATION OF GENERATOR.
8. DISCONNECT AND REMOVE CONDUIT AND WIRING OF PUMP TO BE REMOVED.
9. DISCONNECT WIRING FROM PUMP TO BE REMOVED AND RECONNECT TO NEW PUMP. MODIFY AND EXTEND EXISTING CONDUIT AND WIRING AS REQUIRED.

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POWER ONE-LINE DIAGRAM - CENTRAL PLANT

EPP651

Sheet Number

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EQUIPMENT SCHEDULE – CENTRAL PLANT

MARK	QTY	ITEM DESCRIPTION	LOAD DATA							WIRE AND CONDUIT SIZE	OVERCURRENT PROTECTION			DISCONNECT			STARTER DATA													NOTES	MARK
			HP	kW	MCA	FLA	VOLT	PH	Hz		FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	LOCATION	SIZE	SPEED	CTRL VOLT	SELECTOR SWITCH	PUSH BUTTON	PILOT LAMP	NORMALLY OPEN CONTACTS	NORMALLY CLOSED CONTACTS	PHASE FAILURE RELAY	SCHEMATIC REFERENCE	REMOTE CTRL		
CH–3		CHILLER			802	763	480	3	60	4 EA{3 #350 Kcmil, 1#3/0 G} 4 EA{3" C}	E	1200A/3P CB	SWBD	E	SAME AS OCPD		Q														CH–3
CT–1		COOLING TOWER	(4) 7.5			50	480	3	60	3 #1, 1 #6 GR 1.5" CND	E	100A/3P CB	SWBD	Q	MCP	CONTROL PANEL	Q													NOTE 1	CT–1
CT–4		COOLING TOWER	(4) 7.5			50	480	3	60	3 #1, 1 #6 GR 1.5" CND	E	100A/3P CB	SWBD	Q	MCP	CONTROL PANEL	Q													NOTE 1	CT–4
CHP–3		CHILLED WATER PUMP	150			180	480	3	60	3 #350, 1 #3 GR 3" C	E	(EX)		E	(EX)	ADJ. TO EQUIP.	E	(EX)													CHP–3
CP–3		CONDENSER WATER PUMP	60			77	480	3	60	3 #1/0, 1 #6 GR 2" C	E	150A/3P CB	SWBD	E	200A/3P FRS–100	ADJ. TO EQUIP.	E	FVNR	ADJ. TO EQUIP	4			HOA		R,G	2	2	YES				CP–3

NOTES LEGEND:

1. CONTROL PANEL IS FURNISHED WITH EQUIPMENT AND INSTALLED BY ELECTRICAL INSTALLER.

EQUIPMENT SCHEDULE KEY

E	DIVISION 16
Q	FURNISHED WITH THE EQUIPMENT
*	COORDINATE WITH THE DIVISION 15 TEMPERATURE CONTROL INSTALLER
**	AUTOMATIC CONTROL WIRING BY DIVISION 15

PANEL "P4"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE & TYPE:	LOCATION:	CABINET:	NOTES:
120/208 V, 3 PH 4 WIRE	22" W x 6" D, BOLT–ON	150 AMPERE MAIN CB			

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR, INSULATED GROUND BAR, SUBFEED LUGS

CKT	OCP		LOAD (kVA)			DESCRIPTION	LCL	PHASE LOAD			LCL	DESCRIPTION	LOAD (kVA)			OCP		CKT
NO	AMP	POLE	LTG	CO	PWR		kVA	A	B	C	kVA		LTG	CO	PWR	AMP	POLE	NO
1	20	1		0.8		OUTLETS	0.8	0.8			0.0	SPARE				20	1	2
3	20	1	0.9			LIGHTS	1.1		0.9		0.0	SPARE				20	1	4
5	20	1		0.2		OUTDOOR OUTLET	0.2			0.2	0.0	SPARE				20	1	6
7	20	1				SPARE	0.0	0.0			0.0	SPARE				20	1	8
9	20	1				SPARE	0.0		0.0		0.0	SPARE				20	1	10
11	20	1				SPARE	0.0			0.0	0.0	SPARE				20	1	12
13	20	1				SPARE	0.0	0.0			0.0	SPARE				20	1	14
15	20	1				SPARE	0.0		0.0		0.0	SPARE				20	1	16
17	20	1				SPARE	0.0			0.0	0.0	SPARE				20	1	18
19	20	1				SPARE	0.0	0.0			0.0	SPARE				20	1	20
21	20	1				SPARE	0.0		0.0		0.0	SPARE				20	1	22
23	20	1				SPARE	0.0			0.0	0.0	SPARE				20	1	24
25	20	1				SPARE	0.0	0.0			0.0	SPARE				20	1	26
27	20	1				SPARE	0.0		0.0		0.0	SPARE				20	1	28
29	20	1				SPARE	0.0			0.0	0.0	SPARE				20	1	30
31	20	1				SPARE	0.0	0.0			0.0	SPARE				20	1	32
33	20	1				SPARE	0.0		0.0		0.0	SPARE				20	1	34
35	20	1				SPARE	0.0			0.0	0.0	SPARE				20	1	36
37	20	1				SPARE	0.0	0.0			0.0	SPARE				20	1	38
39	20	1				SPARE	0.0		0.0		0.0	SPARE				20	1	40
41	20	1				SPARE	0.0			0.0	0.0	SPARE				20	1	42
TOTALS:						CONNECTED kVA PER PHASE	**1**	**1**		**0**		CONNECTED TOTAL kVA				**2**		
						CONNECTED AMPS PER PHASE	**7**	**8**		**2**		CONNECTED AVERAGE AMPS PER PHASE				**5**		

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING 1kVA @125% =	1 kVA	ALL OTHER LOADS @100% =	0 kVA	DIVERSIFIED TOTAL kVA =	**2**
RECEPTACLES 1kVA @100% =	1 kVA	25% OF LARGEST MOTOR =	0 kVA	AVERAGE AMPS PER PHASE =	**6**
REMAINDER 0kVA @ 50% =	0 kVA				

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EQUIPMENT & PANEL SCHEDULES - CENTRAL PLANT

EPP652
Sheet Number

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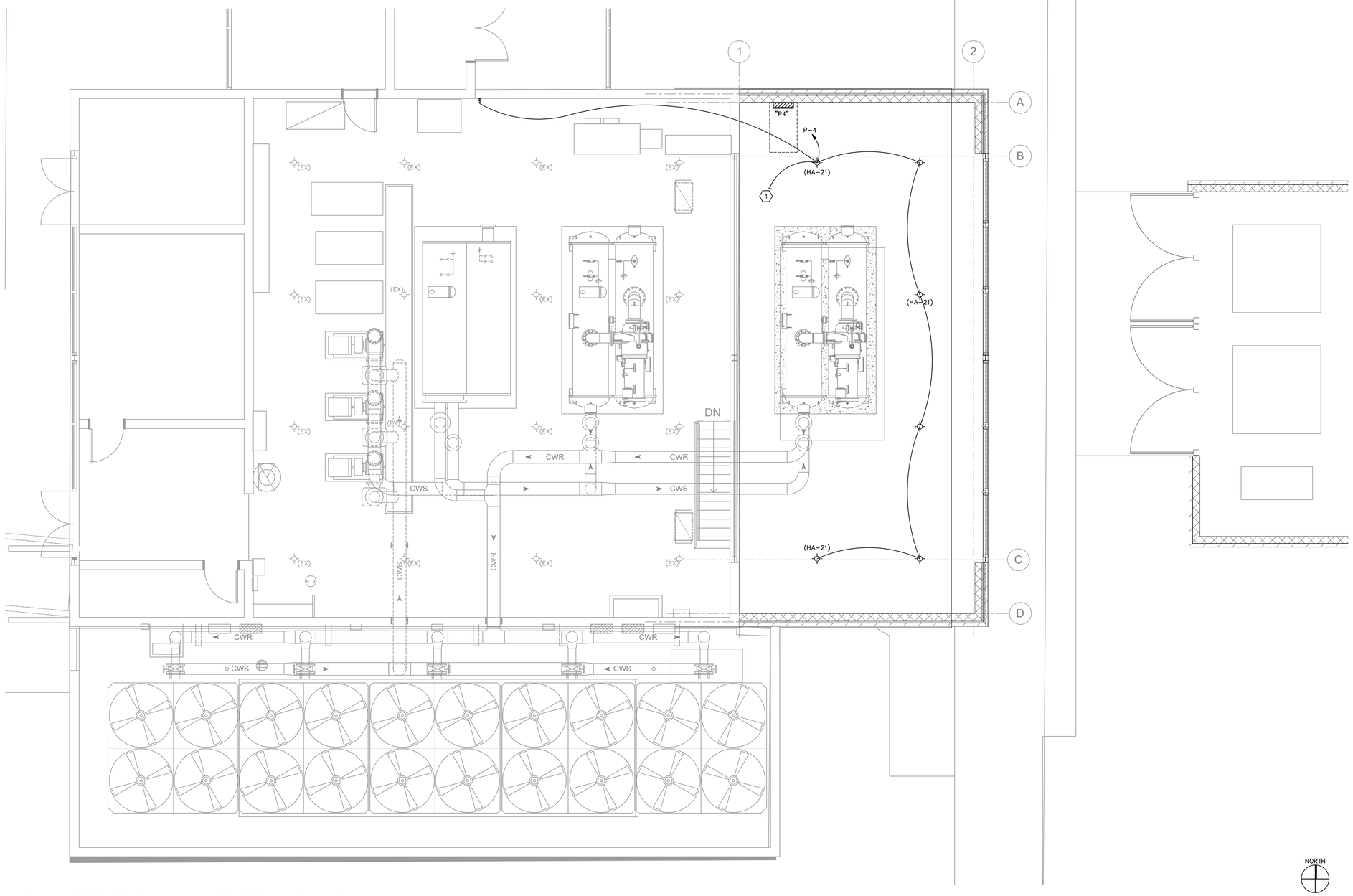
LIGHTING FIXTURE SCHEDULE

NOTE TO BIDDERS: COMPLY WITH LIGHTING SECTIONS OF THE SPECIFICATIONS.
REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, BALLASTS, AND LAMPS. THE CATALOG NUMBERS LISTED BELOW HAVE BEEN CAREFULLY PREPARED TO ASSIST BIDDERS IN SELECTING PRODUCTS TO ACHIEVE THE DESIGN CONCEPT, HOWEVER, PRIOR TO BIDDING, EACH MANUFACTURER SHALL COMPARE THE CATALOG NUMBERS SHOWN WITH THE DESCRIPTION AND REQUIREMENTS ON THE DRAWINGS, AND SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES. SPECIFICALLY INCLUDED IN THIS EVALUATION SHALL BE THE VERIFYING OF PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS. NO ALLOWANCE OR REDRESS WILL BE ALLOWED FOR DISCREPANCIES THAT WERE NOT REPORTED TO THE ARCHITECT/ENGINEER IN TIME FOR CORRECTION OR CLARIFICATION BEFORE THE BID. THE REPORTING OF ANY AMBIGUITY IS THE RESPONSIBILITY OF THE BIDDER.
PENDANT MOUNTED FIXTURES: PROVIDE A SECOND SET OF PENDANTS, OF A DIFFERENT LENGTH, AS DIRECTED BY THE ARCHITECT/ENGINEER, PROVIDED AND INSTALLED AT NO ADDITIONAL CHARGE. ALL FIXTURES SHALL BE APPROVED BY UL OR ANOTHER ACCEPTABLE TESTING LAB FOR THE PURPOSE INTENDED AND WITH THE LAMP AND BALLAST PROPOSED. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES. UNIVERSAL VOLTAGE (120/277) BALLASTS REQUIRED UNLESS NOTED OTHERWISE. DIMENSION SEQUENCE = (LENGTH X WIDTH X DEPTH) IN INCHES.

SYMBOL	MARK	FIXTURE CHARACTERISTICS BODY / AIR / MOUNTING / DOOR LENS/LOUVER/REFLECTOR/OTHER	LAMP	WATTS	VOLTS	MANUFACTURER	CATALOG NUMBER	NOTES
	HA	HIGH BAY PRISMATIC HID FIXTURES: GLASS REFRACTOR, ALUMINUM BALLAST HOUSING; HIGH POWER FACTOR BALLAST; USE LAMP APPROVED FOR USE IN OPEN FIXTURES IF FIXTURE USED IS OPEN, OTHERWISE USE ENCLOSED FIXTURE. SUSPEND FIXTURES FLUSH WITH THE BOTTOM OF THE TRUSSES, UNLESS OTHERWISE INDICATED. PROVIDE SEISMIC SAFETY CABLE						
(HA-21)	HA-21	150W INC. OPEN, 14"-16" WITH METAL TRIM RING AND DECORATIVE SUPPORT BARS; USE CFL LAMP WITH MEDIUM-BASE ADAPTER	26 CFL FLE26HLX/ 2/XL827	150 W.	120V	EUREKA	4250-LQ-XX-INC-STEM-CLR-INC	



A1 LIGHTING PLAN – CENTRAL PLANT
SCALE: 1/4"=1'-0"

SHEET KEYNOTES

1. CIRCUIT WITH EXISTING LIGHTING FIXTURES IN CENTRAL PLANT.

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Sheet Number

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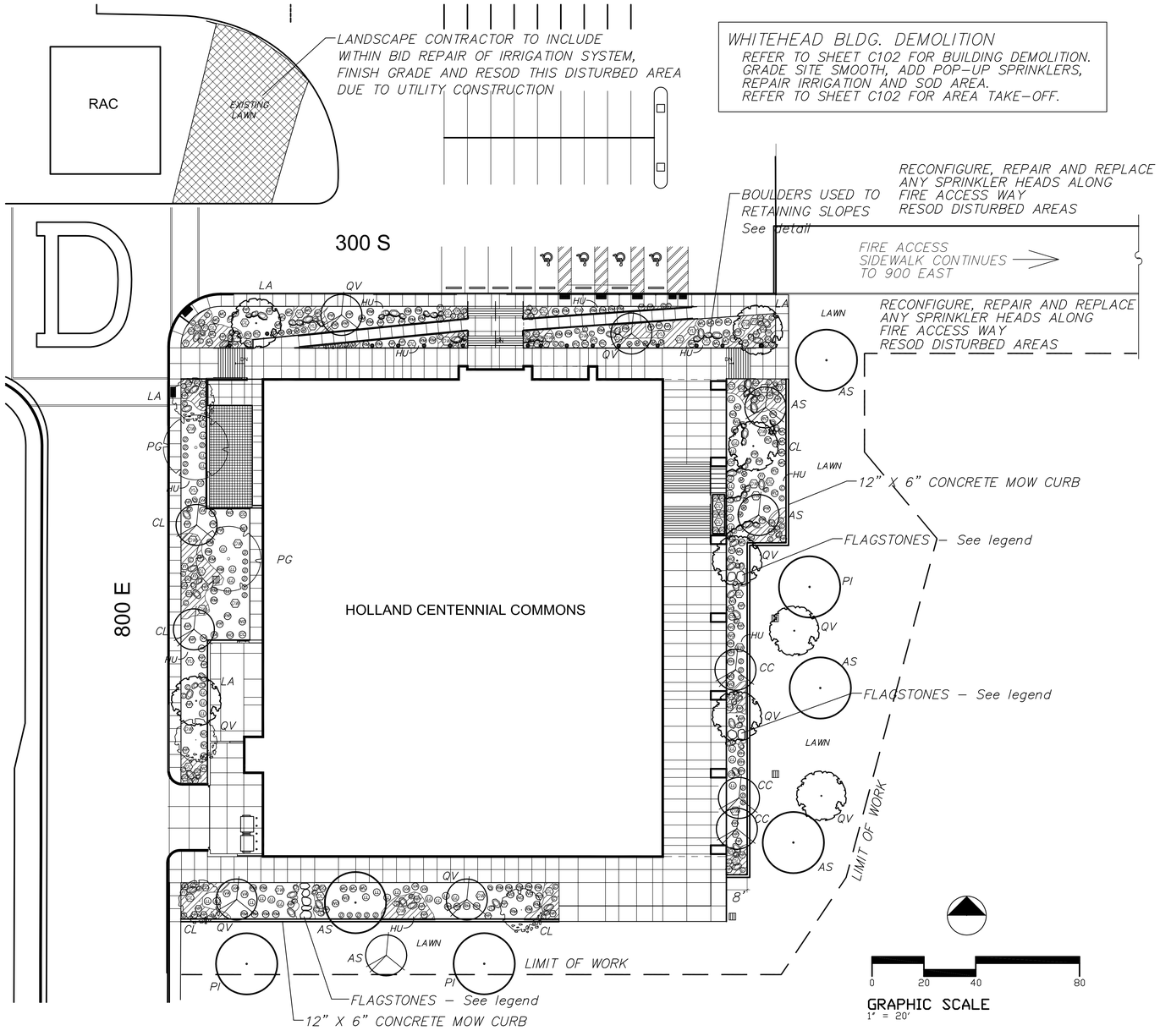
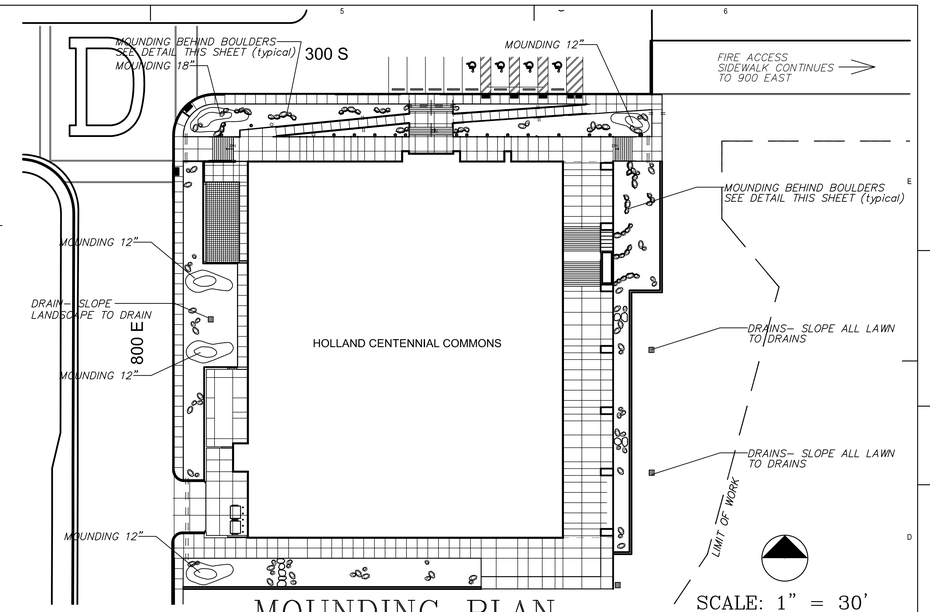


PLANTING PLAN



MOUNDING PLAN

SCALE: 1" = 30'

PLANT LEGEND

SYMBOL	NAME	SIZE	EMITTERS
TREES			
CL	CHILOPSIS linearis 'Art's Seedless' Seedless Desert Willow – multi trunked	24" box	(5) – 2 GPH
AS	FRAXINUS velutina 'Fan Tex' Fan Tex Ash	24" box	(5) – 2 GPH
PI	PISTACIA chinensis ' Red Push' Red Push Pistache	24" box	(5) – 2 GPH
PG	PROSOPIS glandulosa 'Maverick' Maverick Honey Mesquite	24" box	(5) – 2 GPH
QV	QUERCUS virginiana Live Oak – Low branching	36" box	(5) – 2 GPH
CC	CERCIS canadensis Eastern Redbud – low branching	24" box	(5) – 2 GPH
LA	LAGERSTROEMIA indica Crape Myrtle – Red, multi trunk	36" box	(5) – 2 GPH
SHRUBS			
NO	NERIUM oleander Dwarf Red Hardy Dwarf Red Oleander	5 gal	(1) – 2 GPH
LL	LEUCOPHYLLUM langmaniae 'Rio Bravo' Texas Ranger	5 gal	(1) – 2 GPH
PR	PEROVSKIA atriplicifolia Russian Sage	5 gal	(1) – 2 GPH
RH	RHAPHIOLEPIS indica 'Ballerina' Ballerina Indian Hawthorn	5 gal	(2) – 2 GPH
CX	COTINUS coggygria 'Purpureus' Purple Smokebush	5 gal	(2) – 2 GPH
RM	ROSMARINUS officinalis 'Prostratus' Creeping Rosemary	5 gal	(1) – 2 GPH
RC	ROSA x noare Red Carpet Rose	2 gal	(2) – 2 GPH
C	CHRYSACTINIA mexicana Damianita	5 gal	(1) – 2 GPH
MC	MYRTUS communis 'Compacta' Red Carpet Rose	5 gal	(2) – 2 GPH
VA	VAQUELINIA californica California Rosewood	5 gal	(1) – 2 GPH
ACCENTS			
DX	DASYLIRION longissimum Grass Tree	15 gal	(1) – 2 GPH
HP	HESPERALOE parviflora Red Yucca	5 gal	(1) – 2 GPH
DW	DASYLIRION wheeleri Desert Spoon	15 gal	(1) – 2 GPH
D	MUHLENBERGIA capillaris 'Regal Mist' Regal Mist Deer Grass	5 gal	(1) – 2 GPH
M	MISCANTHUS gracillimus 'Yaku Jima' Malden Grass	5 gal	(2) – 2 GPH
TR	TRICHOCEREUS imperialis Argentine Saguaro– minimum 3 bulbs	15 gal	(2) – 1 GPH
CG	ECHINOCACTUS grusonii Golden Barrel Cactus	5 gal	(1) – 1 GPH
FI	FEROCACTUS wislizenii Fishhook Barrel Cactus	5 gal	(1) – 1 GPH
YU	YUCCA rostrata Beaked Yucca– 3 ft. 2 head	20 gal	(2) – 1 GPH

BOULDERS – TAN SANDSTONE QUARRIED BOULDERS 3 TO 4' DIAMETER VARIED SHAPES MINIMUM 90 TONS, MINIMUM 125 BOULDERS

FLAGSTONES– BUCKSKIN COLOR MINIMUM 4' X 3' SPACE MINIMUM 4" FROM CONCRETE EDGE AND ONE ANOTHER. HUALAPI RED CHAT IN AND AROUND FLAGSTONES OVER FABRIC.

HU DECORATIVE GRAVEL – 3/4" HUALAPI GOLD or EQUAL, 3" DEPTH – AVAILABLE FROM ROWLAND STONE (435) 673-2349

ACCENT GRAVEL – 4" APACHE GOLD or EQUAL, 4" DEPTH– AVAILABLE FROM ROWLAND STONE (435) 673-2349

ALL PLANTER AREAS TO BE COVERED WITH DEWITT PRO5 LANDSCAPE FABRIC, SEE DETAIL O.

LAWN SOD – Tri-blend Fescue Sod, feather into existing lawn

PRIOR TO PLANTING MAKE SURE THAT POSITIVE DRAINAGE AWAY FROM BUILDING EXISTS. SEE ENGINEERING PLANS. LAWN AREAS ON EAST SIDE TO SLOPE TOWARD DRAINS.

FINISH GRADING NOTES

1. PROVISIONS FOR POSITIVE DRAINAGE OF ALL LANDSCAPED AREAS TO TAKE PRECEDENCE OVER MOUNDING AS DIAGRAMMED ON PLANTING PLAN.
2. HOLD FINISH GRAVEL GRADE 1" BELOW FINISH SURFACE.
3. SLOPE ALL EARTHEN AREAS AT A MINIMUM OF 1% TO DRAIN - 2% PREFERRED
4. ALL MATERIALS AND WORKMANSHIP IS TO CONFORM TO GOVERNING CODES AND ORDINANCES
5. HOLD FINISH GRADE A MINIMUM OF 4" BELOW TOP OF RETAINING WALLS, 6" BELOW FINISH FLOORS OF SLABS. MINIMUM 2% SLOPE AWAY FROM BUILDINGS.
6. LANDSCAPE CONTRACTOR IS TO PROVIDE 30 CUBIC YARDS OF CLEAN SANDY SOIL TO CREATE MOUNDS, AND FILL PLANTER AREAS ON SITE. FEATHER MOUNDS INTO SURROUNDING GRADES.

GENERAL PLANTING NOTES

1. BEFORE ANY PLANTS ARE PLANTED, ALL PLANTED AREAS ARE TO HAVE BEEN GRADED IN AN ACCEPTABLE MANNER TO ASSURE POSITIVE DRAINAGE PER THE GRADING NOTES.
2. PLANT SHRUBS A MINIMUM OF 30" FROM ANY LANDSCAPE LIGHT FIXTURES.
3. WHERE CIRCUMSTANCES PERMIT, PLANT NO TREE CLOSER THAN 36" TO AN EDGE OF PAVING OR SIDEWALK.
4. PROVIDE ALL SHRUBS WHICH NEED SUPPORT WITH 1/2" SQUARE REDWOOD STAKES. ONCE INSTALLED, TRIM TOP OF STAKE 6" BELOW TOP OF SHRUB. USE GREEN PLASTIC WIRE TIES.
5. REFER TO PLANTING DETAILS FOR PLANTING INFORMATION AND AMENDMENTS.
6. USE PLANT MATERIAL ACCLIMATED TO THE REGION.

BOULDER RETAINING / MOUNDING DETAIL
not to scale

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI
LICENSED LANDSCAPE ARCHITECT JOHN J. COSTANZA Expires 5/31/12 Signature Date # 97-328108-5301 STATE OF UTAH
VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn JJC Checked JJC
Date 12/03/2010
Owner #
Ins. #

PLANTING PLAN

L101
Sheet Number

COSTANZA PS ASSOCIATES
John J. Costanza Telephone 435-862-8317
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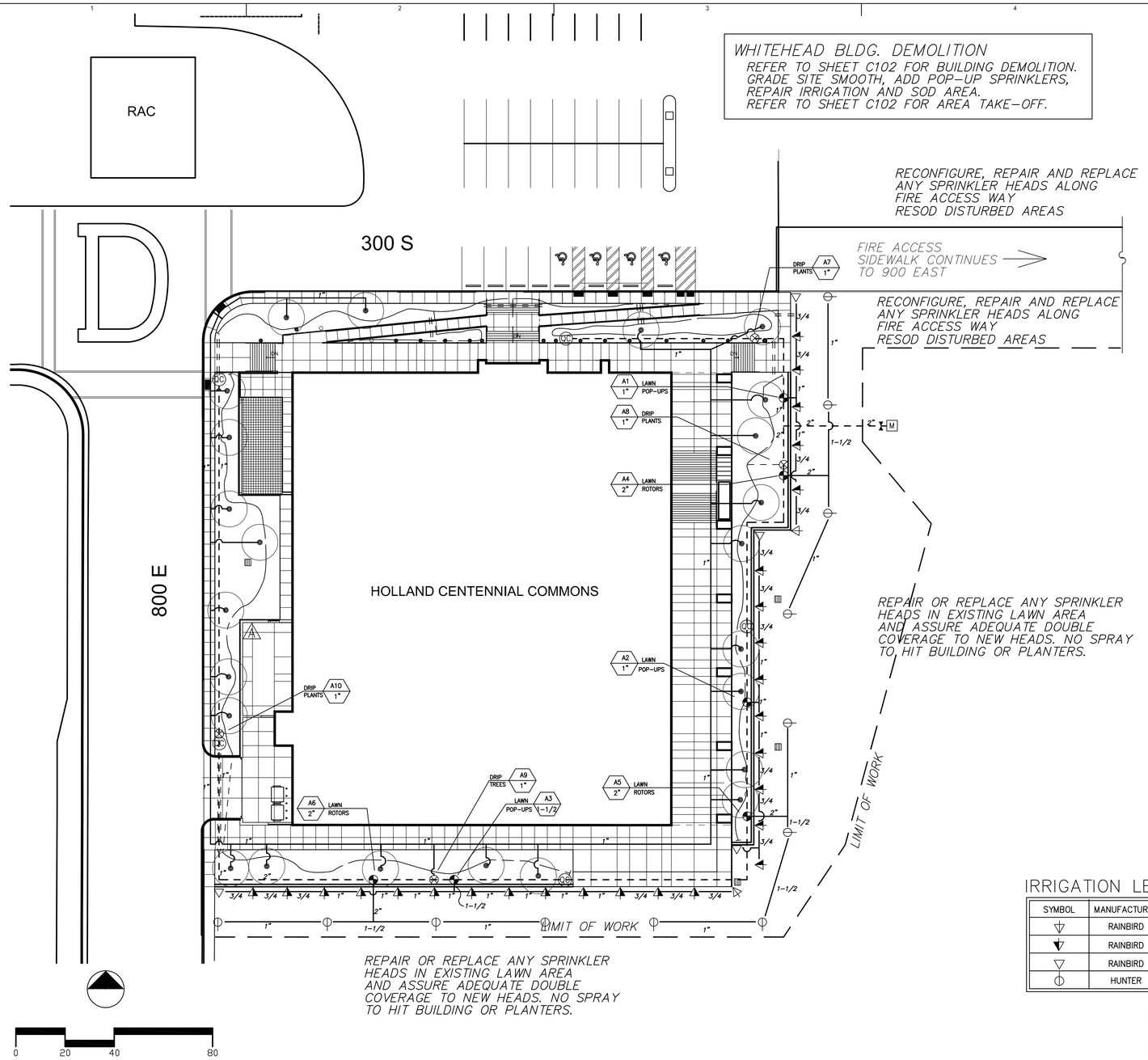

GENERAL IRRIGATION NOTES

1. ALL POP-UP TYPE SPRINKLER HEADS INSTALLED IN SHRUB OR GROUNDCOVER AREAS SHALL BE INSTALLED SO THAT THE TOP OF THE SPRINKLER HEAD IS 1" ABOVE FINISH GRADE.
2. ALL POP-UP TYPE SPRINKLER HEADS INSTALLED IN LAWN AREAS SHALL BE INSTALLED SO THAT THE TOP OF THE SPRINKLER HEAD IS FLUSH WITH ADJACENT SIDEWALK OR CURB.
3. HEADS TO BE SET FLUSH TO TOP OF SOD, LEVEL WITH ADJACENT CONCRETE CURB OR SIDEWALK.
4. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE DESIGNATED ON THE PLANS.
5. THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE OF 65 PSI AND THE MAXIMUM FLOW OF 30 GPM.
   THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO START OF CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
6. 120 VOLT ELECTRICAL POWER OUTLET AT THE AUTOMATIC CONTROLLER LOCATION SHALL BE PROVIDED BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK-UP FROM THE ELECTRICAL OULTLET TO THE AUTOMATIC CONTROLLER.
7. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM, PLANTING AND ARCHITECTURAL FEATURES.
8. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO ALLOW FOR NO OVERSPRAY ONTO WALKS, ROADWAYS AND/OR BUILDINGS. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
9. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THIS NOTIFICIATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
10. INSTALL ALL PIPE MATERIALS AND EQUIPMENT AS SHOWN IN DETAILS. USE TEFLON TAPE OR TEFLON PIPE DOPE ON ALL PVC MALE PIPE THREADS ON ALL SPRINKLER SWING JOINT AND VALVE ASSEMBLIES.
11. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, ETC. HE SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR THE LOCATION AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING, STRUCTURES, ETC.
12. DRIP LINE IS SHOWN ON THE PLAN ONLY TO SHOW AREA OF COVERAGE FOR EACH PARTICULAR DRIP VALVE. TAKE OFF OF NEEDED POLY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

IRRIGATION LEGEND

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION	NOZZLE	RADIUS	FLOW	PSI	PATTERN	SPACING
	RAINBIRD	1800-SAM-PRS	POP-UP SPRAY HEAD	15 SERIES MPR	15 FT.	2.78 GPM	30	THREE QTR	15 FT.
	RAINBIRD	1800-SAM-PRS	POP-UP SPRAY HEAD	15 SERIES MPR	15 FT.	1.85 GPM	30	HALF	15 FT.
	RAINBIRD	1800-SAM-PRS	POP-UP SPRAY HEAD	15 SERIES MPR	15 FT.	0.92 GPM	30	QUARTER	15 FT.
	HUNTER	I-35-06-SS	ROTOR SPRAY HEAD	9	47 FT.	7.70 GPM	40	ADJ	44 FT.

	HUNTER	ICZ-101-40	SERIES ELECTRIC CONTROL VALVE (1") DRIP ASSEMBLY - SEE DETAIL I FOR ADDITIONAL INFORMATION.
	HUNTER	ICV-FS-AS-ADJ	SERIES ELECTRIC CONTROL VALVE WITH PRESSURE REGULATOR (SIZE AS NOTED AT VALVE) REFER TO DETAIL NO. FOR ADDITIONAL INFORMATION.
	NIBCO	T-113	BRASS GATE VALVE WITH BRASS CROSS HANDLE (LINE SIZE) WITH 4" PVC STAND PIPE AND 10" RD GREEN VALVE BOX
QC	RAINBIRD	3RC	3/4" BRASS QUICK COUPLING VALVE
	TORO	BLUE STRIPE (PLANTS)	3/4" DRIP TUBING - USE 3/4" BARBED FITTINGS WITH STAINLESS STEEL CRIMP RINGS
	TORO	WHITE STRIPE (TREES)	1" SCH. 40 PVC WITH 3/4" DRIP TUBING - USE 3/4" BARBED FITTINGS WITH STAINLESS STEEL CRIMP RINGS. SEE TREE IRRIGATION DETAIL.

PRESSURE MAIN LINE PIPING - PVC SCH. 40 (SIZE AS NOTED) ALL MAINLINE FITTINGS TO BE SCH. 80.

NON-PRESSURE LATERAL LINE PIPING - PVC SCH. 40 (SIZE AS NOTED)

CONTROL WIRE SLEEVE UNDER PAVING - PVC SCH. 40 (1 - 4", 1 -2 ")

A — CONTROLLER - HUNTER ICC 800-M WITH ADDITIONAL 8 STATION MODULE
WALL MOUNTED METAL CABINET
RUN TWO SPARE WIRE IN EACH DIRECTION, LOOP INTO EACH VALVE BOX AND TERMINATE IN LAST VALVE BOX EACH DIRECTION.

M — IRRIGATION POINT OF CONNECTION - INSTALL 2" SADDLE TO EXISTING IRRIGATION MAINLINE TO SERVICE NEW BUILDING LANDSCAPE. REFER TO SHEET C201 FOR FURTHER INFORMATION. COORDINATE WITH RELOCATION OF EXISTING IRRIGATION LINE. INSTALL GATE VALVE IMMEDIATELY DOWN STREAM OF P.O.C.

DRIP A23 — INDICATES CONTROLLER LETTER DESIGNATION STATION NUMBER
1" — INDICATES ELECTRIC CONTROL VALVE SIZE

COSTANZA PS ASSOCIATES
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VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONTON
SASAKI

LICENSED LANDSCAPE ARCHITECT
JOHN J. COSTANZA
Expires 5/31/12
Signature
Date
97-328108-5301
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8900
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn JJC Checked JJC
Date 12/03/2010
Owner #
Ins. #

IRRIGATION PLAN

L102
Sheet Number

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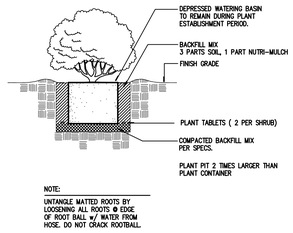

A SHRUB PLANTING
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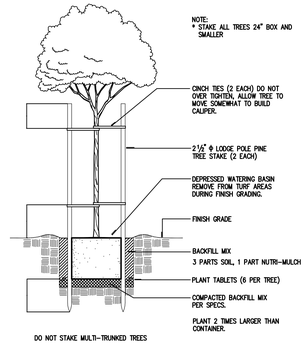
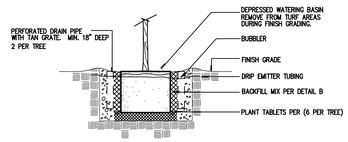
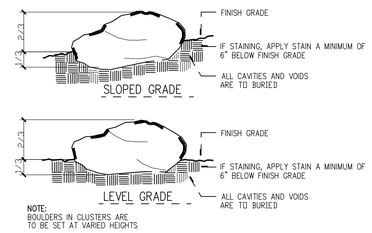


B TREE PLANTING W/ DOUBLE STAKING
N.T.S.



C TREE DEEP WATERING SYSTEM
N.T.S.



D TYPICAL BOULDER PLACEMENT
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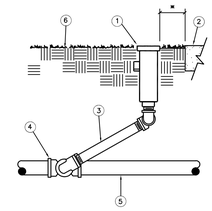
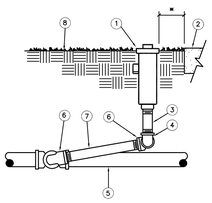


LEGEND
1. ROTOR SPRAY HEAD.
2. WALK OR CURB.
3. LASCO 1" SWNG JOINT
4. TEE – LINE SIZE x 1" TH USE TEFLON TAPE TO THREAD SWING JOINT INTO TEE
5. LATERAL LINE PIPE AND FITTING.
6. FINISH GRADE.

NOTE: USE TEFLON TAPE ON ALL MALE PIPE THREADS.
* 2" IN TURF AREAS.

E ROTOR SPRINKLER DETAIL
N.T.S.

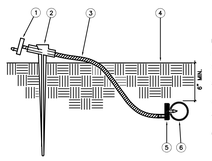


LEGEND
1. POP-UP SPRAY HEAD.
2. WALK OR CURB.
3. PVC SCH. 80 NIPPLE
4. PVC TxT 90 DEG. ELL.
5. LATERAL LINE PIPE AND FITTING.
6. MARLEX 90 DEG. STREET ELL.
7. PVC SCH. 80 NIPPLE- 6" LONG. MAY SUBSTITUTE FUNNY PIPE SWING JOINT
8. FINISH GRADE.

NOTE: USE TEFLON TAPE ON ALL MALE PIPE THREADS.
* 2" IN TURF AREAS.

MAY SUBSTITUTE POLY-FLEX RISER WITH DOUBLE SWING JOINT(FUNNY PIPE)

F POP UP SPRINKLER DETAIL
N.T.S.



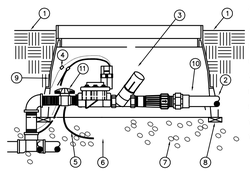
LEGEND
1. RAIN BIRD XERI-BUG EMITTER
2. RAIN BIRD MODEL # TS-025 1/4" TUBING STAKE.
3. RAIN BIRD MODEL # DT-025 1/4" DISTRIBUTIOB TUBING.
4. FINISH GRADE.
5. RAIN BIRD MODEL # SPB-025 SELF-PIERCING BARB CONNECTOR.
6. 3/4" TUBING (MAXIMUM 150' PER DRIP LINE SEGMENT) USE 3/4 GREY BARBED FITTINGS WITH STAINLESS STEEL CRIMP RINGS

NOTE: TO INSERT RAIN BIRD SELF-PIERCING BARB CONNECTOR DIRECTLY INTO XERI-TUBE, USE RAIN BIRD MODEL # EMA-BG BUG GUN.

DO NOT COVER EMITTER WITH FABRIC OR GRAVEL. ALWAYS SET EMITTER ON UPHILL SIDE OF PLANT.

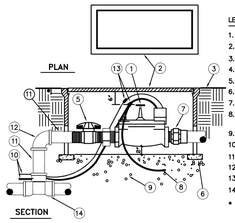
SEE PLANT SCHEDULE FOR EMITTER SIZE AND QUANTITY PER PLANT SPECIES

G EMITTER ASSEMBLY
N.T.S.



LEGEND
1. FINISH GRADE.
2. 1" LATERAL OR 3/4" POLY ADAPTER
3. DRIP VALVE ASSEMBLY CONTROL ZONE ASSEMBLY.
4. WIRE CONNECTOR.
5. PILOT WIRE.
6. COMMON WIRE.
7. 3/4" CRUSHED ROCK-4" DEPTH BOTTOM OF BOX
8. 2" x 4" x 8" CONCRETE BRICKS AT CORNERS (4)
9. JUMBO RECTANGULAR TAN VALVE BOX.
10. PVC UNION FOR SERVICING ASSEMBLY.
11. SCH. 80 ISOLATION BALL VALVE

H ELECTRIC DRIP VALVE
N.T.S.



LEGEND
1. ELECTRIC CONTROL VALVE
2. JUMBO TAN VALVE BOX
3. FINISH GRADE.
4. PVC. MALE ADAPTER (TYP.)
5. SCH. 80 BALL VALVE- LINE SIZE
6. 2"x4"x8" CONCRETE BRICKS AT CORNERS
7. SCH. 80 UNION – LINE SIZE
8. COMMON WIRE TO OTHER VALVES ON SAME CONTROLLER.
9. 3/4" CRUSHED ROCK. 4" DEEP.
10. CONTROL/COMMON WIRES FROM CONTROLLER.
11. PVC SCH 80 TOE NIPPLE
12. PVC SCH. 80 SxS 90 DEG. ELL.
13. WIRE CONNECTOR.
14. MAIN LINE FITTING W/SOLVENT WELD OUTLET.
* 2" IN SHRUB AREAS. 1" IN TURF AREAS.

I ELECTRIC VALVE DETAIL
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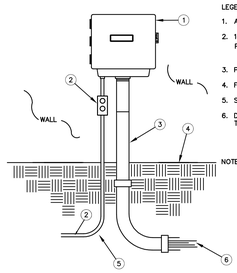
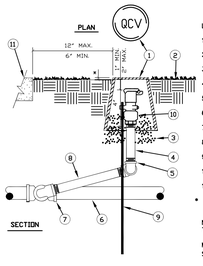


LEGEND
1. AUTOMATIC CONTROLLER.
2. 120-VOLT POWER SUPPLY WIRES IN CONDUIT. PLUG CLOCK INTO ALL-WEATHER COVERED OUTLET
3. PVC CONDUIT – 1-1/2"
4. FINISH GRADE
5. SWEEP ELL – 1"
6. DIRECT BURIAL CONTROL WIRES TO CONTROL VALVES.

NOTE: INSTALL ALL WIRING PER LOCAL CODE.

J WALL MOUNT CONTROLLER DETAIL
N.T.S.



LEGEND
1. 10" TAN ROUND VALVE BOX.
2. FINISH GRADE.
3. 3/4" CRUSHED ROCK. 6" DEPTH.
4. BRASS NIPPLE. (LENGTH AS REQUIRED).
5. BRASS 90 DEG. ELL.
6. MAINLINE PIPING.
7. MAINLINE THREADED TEE FITTING.
8. 3/4" PVC SWING JOINT
9. #4 REBAR 36" LONG WITH STAINLESS STEEL CLAMP
10. QUICK COUPLING VAVLE.
11. WALK OR CURB.
* 1" IN LAWN AREAS. 2" IN SHRUB AREAS.

NOTE: USE TEFLON TAPE ON ALL MALE PIPE THREADS.

MAY SUBSTITUTE PRE-MANUFACTURED PVC SWING JOINT ASSEMBLY

K QUICK COUPLER ASSEMBLY
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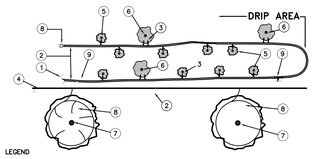
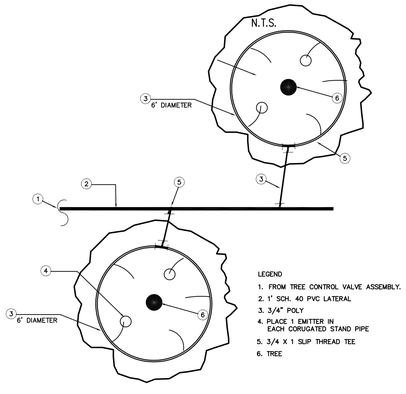


LEGEND
1. FROM SHRUB CONTROL VALVE ASSEMBLY.
2. POLY DRIP TUBING
3. EMITTER ASSEMBLY – REFER TO "EMITTER ASSEMBLY"
4. PVC 1" FROM TREE CONTROL VALVE ASSEMBLY
5. SINGLE EMITTER SHRUB DETAIL (TYPICAL). SEE PLANT LIST FOR EMITTER REQUIREMENTS
6. DOUBLE EMITTER SHRUB AND VINE SEE PLANT LIST FOR EMITTER REQUIREMENTS
7. TREE DRIP TUBING ASSEMBLY 5 EMITTERS PER TREE
8. END CAP IN 6" TAN VALVE BOX
9. POLY TEE

NOTE:
SHRUBS AND TREES TO HAVE SEPARATE VALVE ASSEMBLIES SEE IRRIGATION PLAN

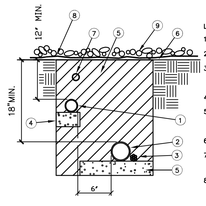
L TYPICAL SHRUB DRIP LAYOUT
N.T.S.



LEGEND
1. FROM TREE CONTROL VALVE ASSEMBLY.
2. 1' SCH. 40 PVC LATERAL
3. 3/4" POLY
4. PLACE 1 EMITTER IN EACH CORUGATED STAND PIPE
5. 3/4 X 1 SLIP THREAD TEE
6. TREE

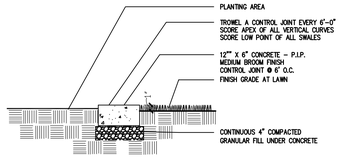
NOTE:
SHRUBS AND TREES TO HAVE SEPARATE VALVE ASSEMBLIES SEE IRRIGATION PLAN
EACH TREE RING TO HAVE APPROX. 18 IN LINE EMITTERS

M TYPICAL TREE DRIP LAYOUT
N.T.S.



LEGEND
1. NON-PRESSURE LATERAL LINE PIPING.
2. PRESSURE MAIN LINE PIPING
3. CONTROL WIRES – TAPE AND BUNDLE EVERY 10 FEET. INSTALL ADJACENT TO PRESSURE MAIN LINE.
4. PROVIDE 2" DEPTH OF CLEAN BACKFILL.
5. CLEAN SOIL TO BACKFILL TRENCHES. WATER SETTLE ALL TRENCHES
6. FINISH GRADE.
7. POLY TUBING AND 1/4" TUBING BURY 6"
8. DEWITT PRO 5 SOIL FABRIC OVERLAP ALL EDGES 6" – SOIL STAPLE ALL EDGES AND OVERLAPS 36" O.C.
9. DECORATIVE GRAVEL

O PIPE TRENCH DETAIL
N.T.S.



P CONCRETE MOW STRIP DETAIL
N.T.S.

BLUE STAKES
Call Before You Dig!

NOTICE !
TWO WORKING DAYS BEFORE YOU DIG CALL: 1-800-662-4111
ANY UTILITIES ARE SHOWN ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.

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ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

LICENSED LANDSCAPE ARCHITECT
JOHN J. COSTANZA
Expires 5/31/12
Signature
Date
97-328108-5301
STATE OF UTAH

VCBO ARCHITECTURE
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SALT LAKE CITY, UTAH 84102
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HOLLAND CENTENNIAL COMMONS
DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

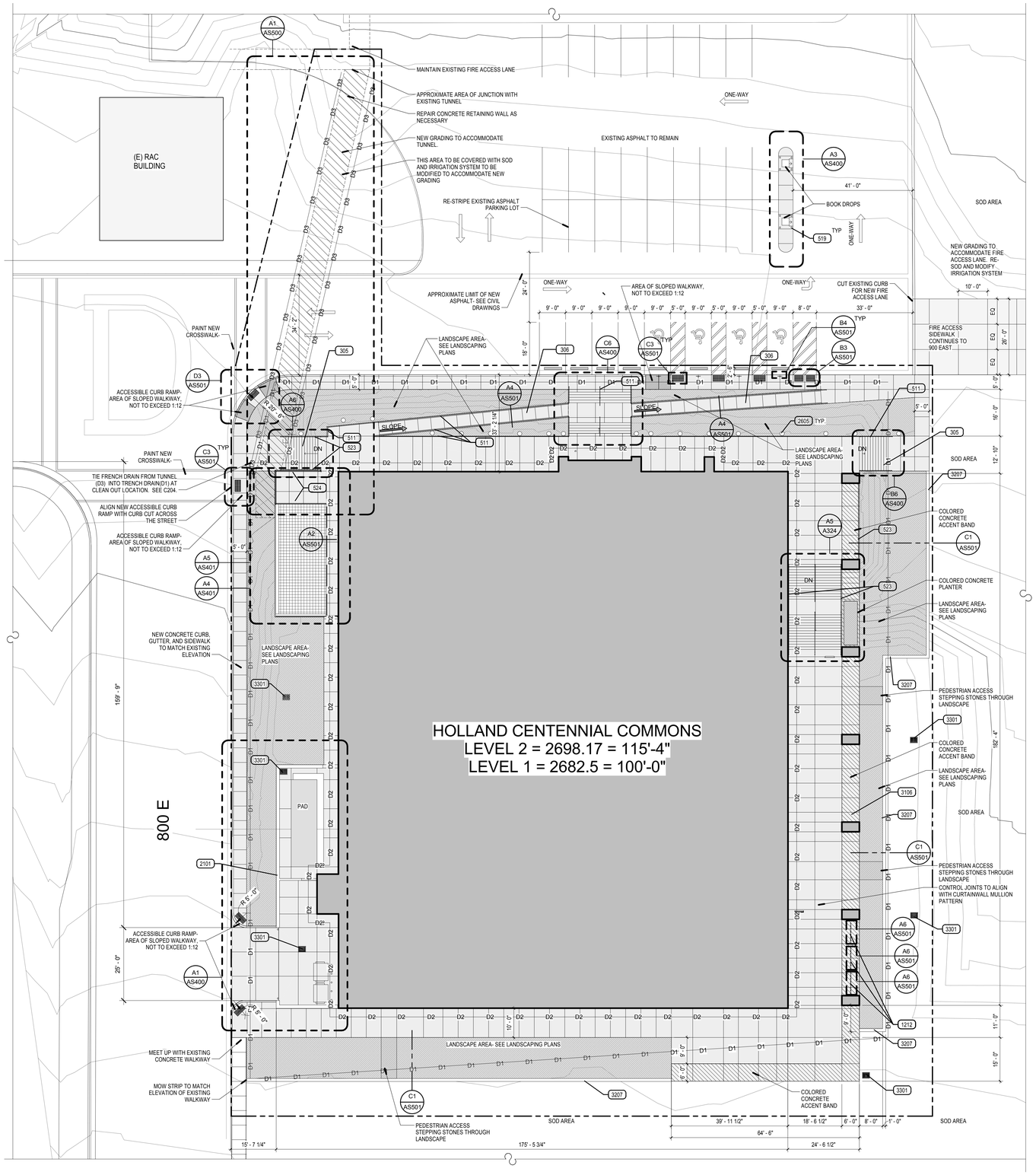
Job # 09625
CAD File
Drawn JJC Checked JJC
Date 12/03/2010
Owner #
Ins. #

LANDSCAPE DETAILS SHEET

L103
Sheet Number

COSTANZA PS ASSOCIATES
John J. Costanza Telephone 435-862-8317
P.O. Box 3122
St. George, Utah 84771

12/01/2010 8:08 PM



A5 SITE PLAN

SCALE: 1/16" = 1'-0"

KEYED NOTES

305 REINFORCED CONCRETE STAIRS.
306 REINFORCED CONCRETE RAMP
511 1 1/2" DIA. STEEL PIPE HANDRAIL PAINTED U.N.O.
519 STEEL PIPE BOLLARD, PAINTED, SEE DETAIL
523 1 1/2" DIA. STAINLESS STEEL PIPE HANDRAIL,TYP.
524 1-1/2" DIA. STAINLESS STEEL PIPE GUARDRAIL,TYP.
1212 BICYCLE RACKS
2101 FIRE-DEPARTMENT CONNECTIONS
2605 LIGHT POLE AND CONCRETE BASE
3106 EXCAVATE 36" MIN UNDER FOOTINGS AND SLAB, TYP.
3207 CONC. MOW STRIP SEE DETAIL
3301 CATCH BASIN

GENERAL SITE PLAN NOTES

1. GRADING AT THE BUILDING SHALL HAVE A 5% MINIMUM SLOPE AWAY FROM THE BUILDING FOR A MINIMUM OF 10'-0", UNO. CONCRETE SHALL BE SLOPED 2% AWAY FROM BUILDING.
2. FOUNDATION TO BE 8" ABOVE FINISHED GRADE UNO
3. ALL CONNECTIONS FROM CITY STREETS TO THE BUILDING ARE TO BE PROVIDED UNDER THIS CONTRACT. CONTRACTOR TO VERIFY CITY STANDARDS FOR ROAD, CURB, UTILITY AND SIGNAGE REQUIREMENTS.
4. ALL EXTERIOR SIDEWALKS, STAIRS AND LANDINGS TO HAVE POSITIVE DRAINAGE BUT NO MORE THAN A MAXIMUM OF 1/4" SLOPE PER FOOT TO ALLOW POSITIVE DRAINAGE. ALL STAIRS AND RAMPS TO HAVE A LANDING OF 48 INCHES LONG AT THE TOP AND BOTTOM WITH A MAXIMUM SLOPE OF 1/4" PER FOOT. ALL REBAR IN EXTERIOR APPLICATIONS TO BE EPOXY COATED.
5. ALL EXTERIOR SIDEWALK TO BE A MINIMUM OF 4" THICK AIR ENTRAINED CONCRETE OVER 6" ROAD BASE, UNO, AND ALL SIDEWALKS SHALL BE NO LESS THAN 5'-0" WIDE.
6. FINISH GRADE OF SOFTSCAPE SHALL BE 2" UNIFORMLY BELOW PAVING SURFACES UNLESS NOTED OTHERWISE.
7. ALL TOPSOIL SHALL BE STRIPPED, STOCKPILED, PROTECTED & QUANTIFIED PRIOR TO ANY EXCAVATION PROCEDURES TO ENSURE VIABILITY OF TOPSOIL AND AVOID ANY CONTAMINATION. GENERAL CONTRACTOR IS TO INFORM ARCHITECT PROMPTLY IN WRITING OF THE TOTAL AMOUNT OF TOPSOIL STOCKPILED, AND IF THE AMOUNT OF TOPSOIL AVAILABLE IS SUFFICIENT FOR THE INTENDED DISTRIBUTION.
8. 12" X 4" X CONTINUOUS MINIMUM CONCRETE MOW STRIP, TO BE PROVIDED AT EAST AND SOUTH PERIMETER OF LANDSCAPING WHERE IT TRANSITIONS TO SOD. SEE DETAIL C1/AS501
9. LIGHT POLE BASE IN ALL LANDSCAPE LOCATIONS TO BE 6" ABOVE FINISHED GRADE. BE LOCATED AT LEAST 36" FROM FACE OF POLE BASE TO BACK OF CURB AND HAVE A CONCRETE MOW STRIP PER DETAIL E5/AS501. VERIFY LOCATION ON SITE WITH ARCHITECT PRIOR TO ANY INSTALLATION.
10. LIGHT POLE BASE IN ALL PAVED LOCATIONS TO BE 36" ABOVE FINISHED GRADE. VERIFY LOCATION ON SITE WITH ARCHITECT PRIOR TO ANY INSTALLATION.
11. GRADE LINES SHOWN ARE FOR REFERENCE ONLY. REFER TO CIVIL DRAWINGS FOR MORE DETAILED GRADING PLANS.
12. COORDINATE ORIENTATION OF FIRE HYDRANT OUTLETS WITH THE FIRE MARSHALL'S OFFICE PRIOR TO THE FINAL INSTALLATION OF THE HYDRANT ASSEMBLY.
13. EXCAVATE 36" TYP. UNDER ALL FOOTINGS AND SLABS AS PART OF TOTAL BUILDING UNDER SLAB WATERPROOFING SYSTEM. SEE ARCHITECTURAL AND CIVIL DRAWINGS.
14. ALL PORTIONS OF THE FOUNDATION WALL, FOOTINGS, AND SLAB LOCATED BELOW GRADE SHALL BE WATERPROOFED.

SITE PLAN KEY

BUILDING FOOTPRINT

LANDSCAPE PLANTING AREA- SEE LANDSCAPE SHEETS

CJ NEW CONCRETE SIDEWALK, STAIRS, RAMPS, ETC. WITH CONTROL JOINTS

C1 NEW COLORED CONCRETE SIDEWALK, PLANTER

D1 — D1 LINE OF SUB DRAIN FOR TOTAL SITE SUB-DRAINAGE SYSTEM- SEE SHEET C204

D2 — D2 LINE OF FOUNDATION DRAIN- SEE SHEET C204

D3 — D3 LINE OF TUNNEL DRAIN- SEE SHEET C204

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DFCM #06297640
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No.	Description	Date

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CAD File
Drawn Author Checked Checker
Date 12/03/2010
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Ins. #

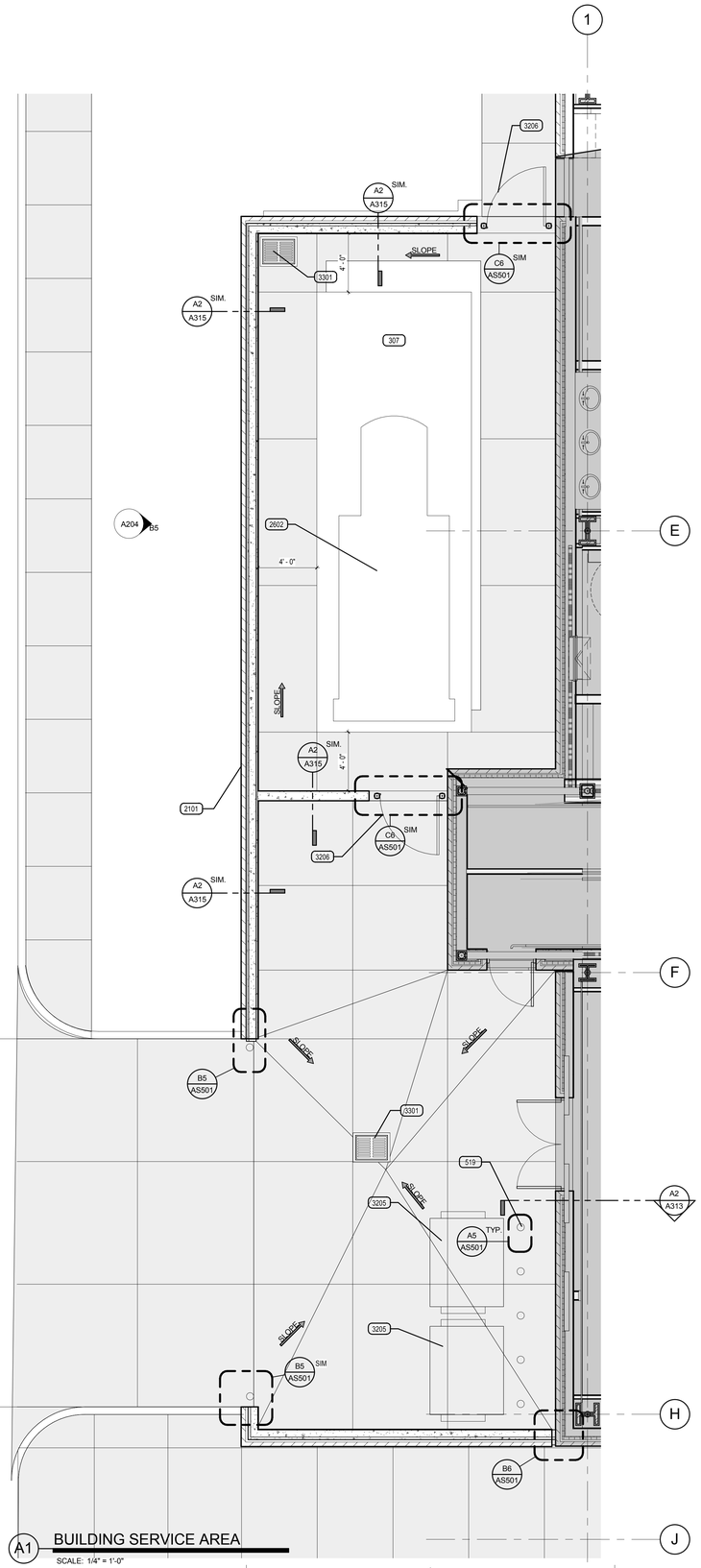
SITE PLAN

AS100
Sheet Number

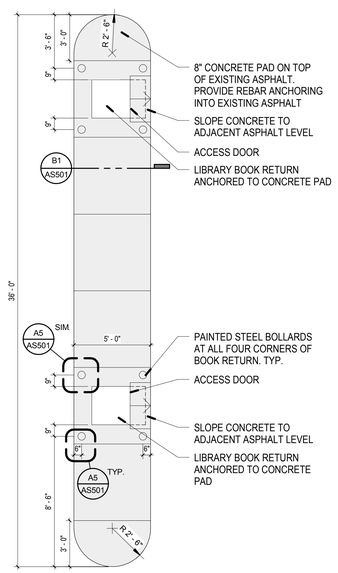
12/6/2010 4:52:47 PM

KEYED NOTES

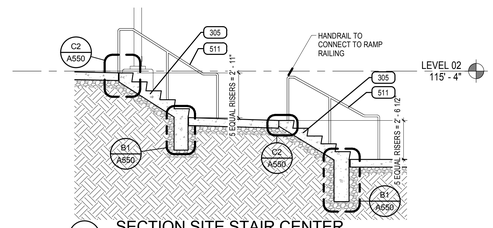
305 REINFORCED CONCRETE STAIRS.
306 REINFORCED CONCRETE RAMP
307 CONCRETE HOUSEKEEPING PAD, COORDINATE SIZE WITH EQUIPMENT.
511 1 1/2" DIA. STEEL PIPE HANDRAIL PAINTED U.N.O.
519 STEEL PIPE BOLLARD, PAINTED, SEE DETAIL
523 1 1/2" DIA. STAINLESS STEEL PIPE HANDRAIL,TYP.
524 1-1/2" DIA. STAINLESS STEEL PIPE GUARDRAIL,TYP.
2101 FIRE-DEPARTMENT CONNECTIONS
2602 GENERATOR WITH CONCRETE HOUSEKEEPING PAD
3205 6 YARD DUMPSTER, NIC
3206 GATE, SEE DETAIL
3301 CATCH BASIN



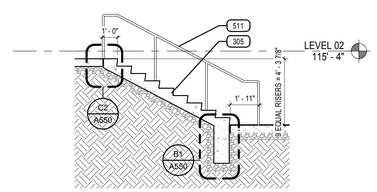
A1 BUILDING SERVICE AREA
SCALE: 1/4" = 1'-0"



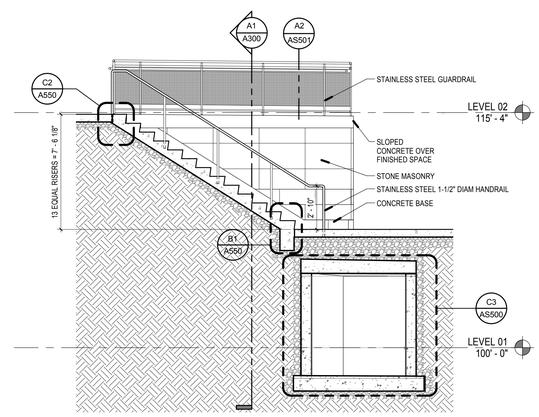
A3 LIBRARY DROP BOXES
SCALE: 1/4" = 1'-0"



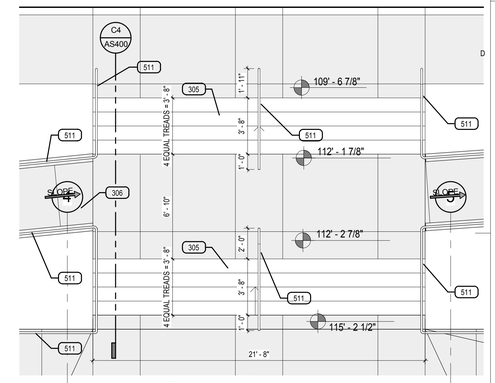
C4 SECTION SITE STAIR CENTER
SCALE: 1/4" = 1'-0"



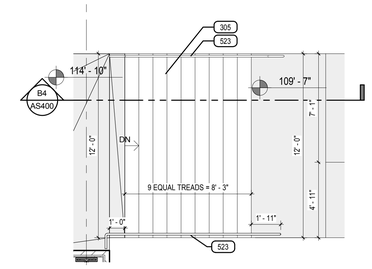
B4 SECTION SITE STAIR NE
SCALE: 1/4" = 1'-0"



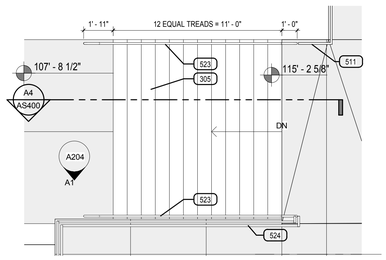
A4 SECTION SITE STAIR NW
SCALE: 1/4" = 1'-0"



8
C6 SITE STAIR CENTER
SCALE: 1/4" = 1'-0"



B6 SITE STAIR NE
SCALE: 1/4" = 1'-0"



A6 SITE STAIR NW
SCALE: 1/4" = 1'-0"

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A ENLARGED SITE ELEMENTS

AS400
Sheet Number

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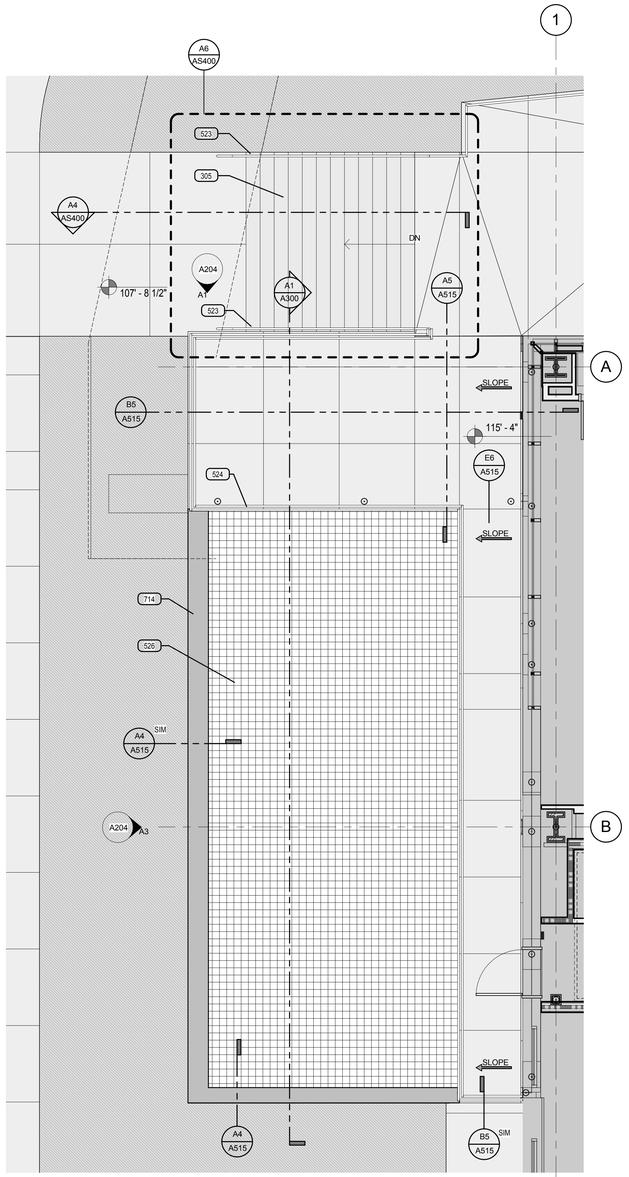
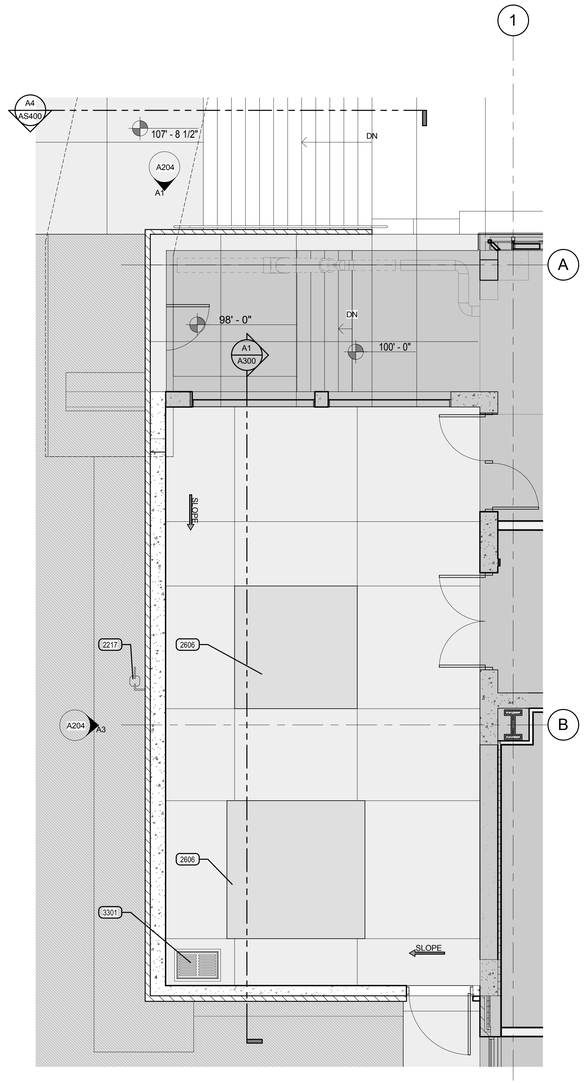
KEYED NOTES

305 REINFORCED CONCRETE STAIRS.
523 1 1/2" DIA. STAINLESS STEEL PIPE HANDRAIL,TYP.
524 1-1/2" DIA. STAINLESS STEEL PIPE GUARDRAIL,TYP.
526 GALVANIZED STEEL GRATING
714 PRE-FINISHED CONT. METAL FLASHING
2217
2606 TRANSFORMER WITH CONCRETE HOUSEKEEPING PAD
3301 CATCH BASIN



A4 LEVEL 02- EGRESS PATH AT TRANSFORMER
SCALE: 1/4" = 1'-0"



A5 TRANSFORMER 116B
SCALE: 1/4" = 1'-0"

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AS401
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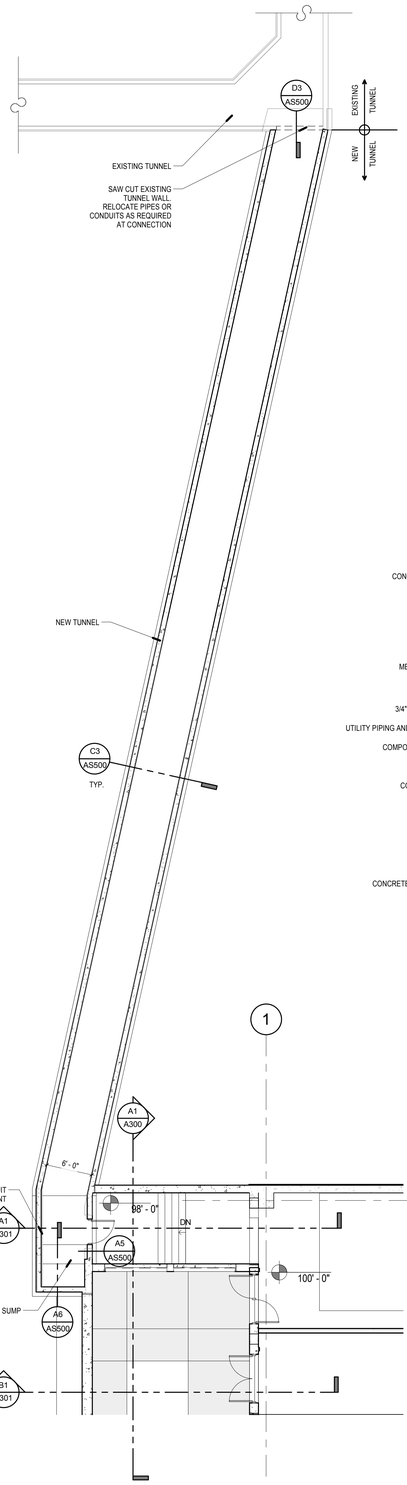
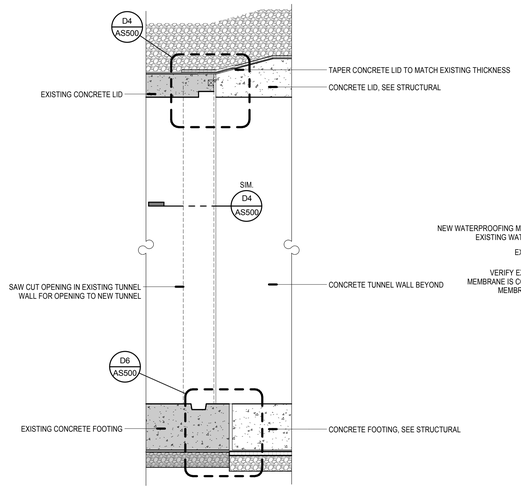


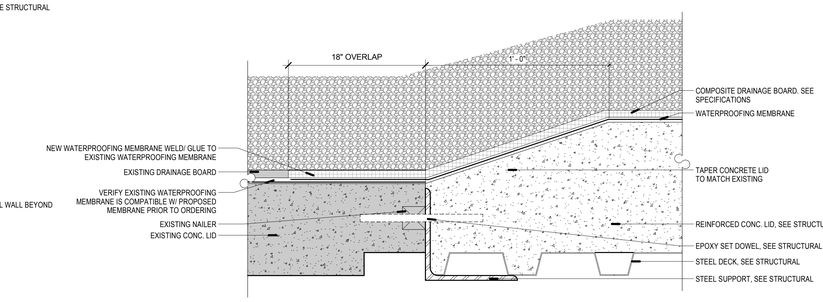
A1 TUNNEL PLAN

SCALE: 1/8" = 1'-0"



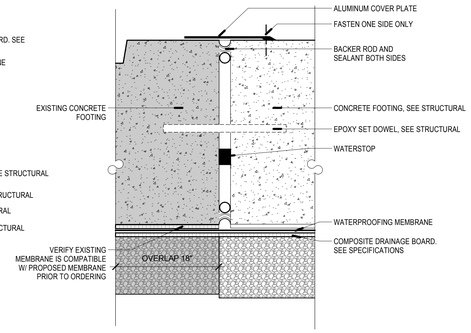
D3 EXISTING / NEW TUNNEL

SCALE: 3/4" = 1'-0"



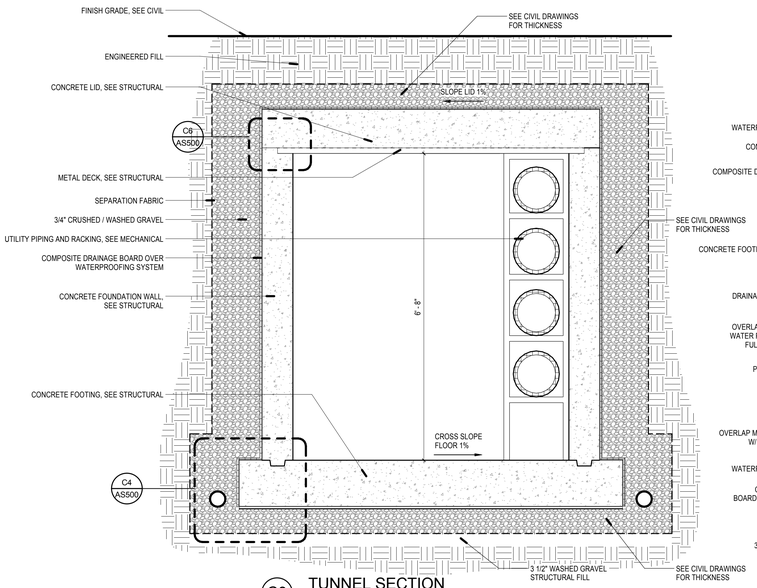
D4 EXISTING / NEW LID & WALL CONNECTION

SCALE: 3" = 1'-0"



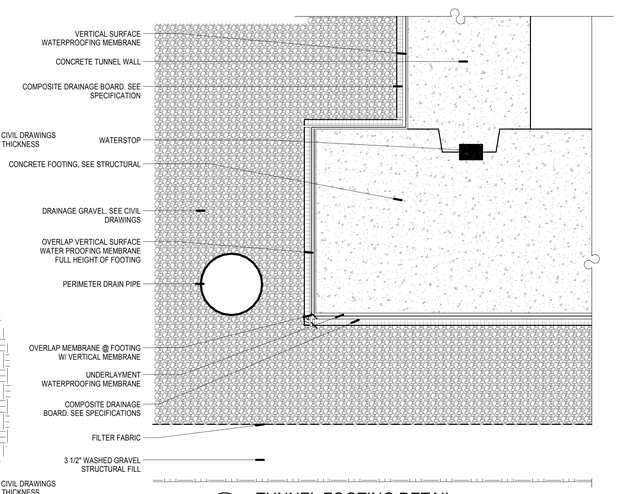
D6 EXISTING / NEW RAFT SLAB CONNECTION

SCALE: 3" = 1'-0"



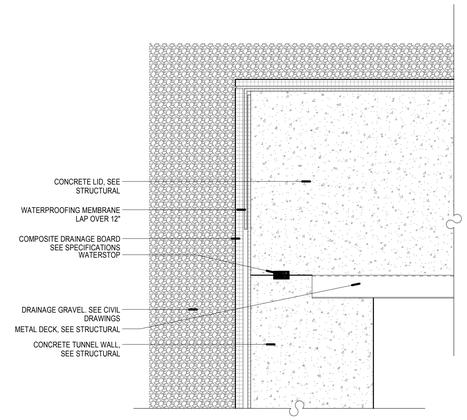
C3 TUNNEL SECTION

SCALE: 3/4" = 1'-0"



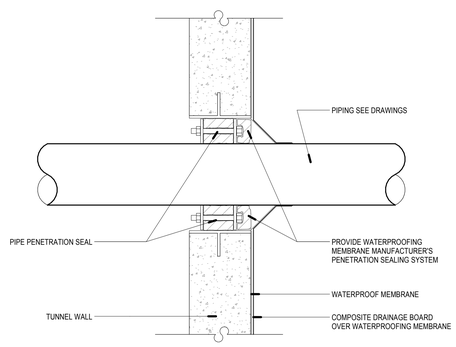
C4 TUNNEL FOOTING DETAIL

SCALE: 3" = 1'-0"



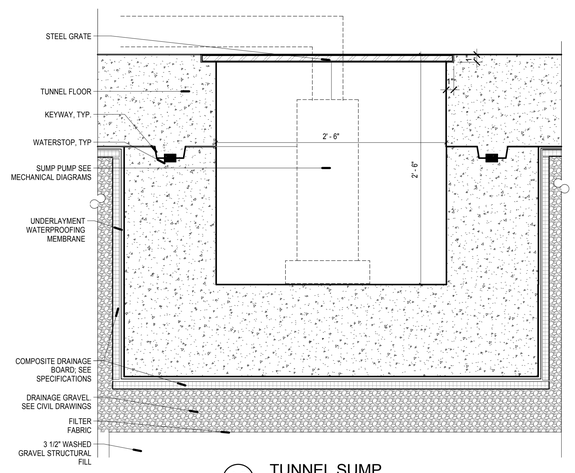
C6 TUNNEL LID

SCALE: 3" = 1'-0"



A5 TUNNEL PIPE

SCALE: 1 1/2" = 1'-0"



A6 TUNNEL SUMP

SCALE: 1 1/2" = 1'-0"

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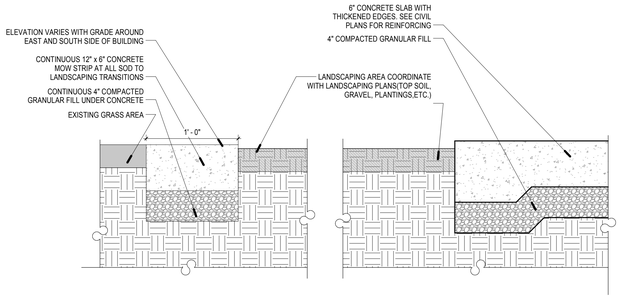
SITE TUNNEL DETAILS

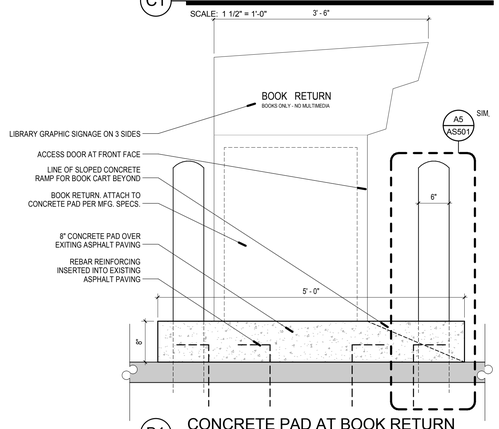
AS500

Sheet Number



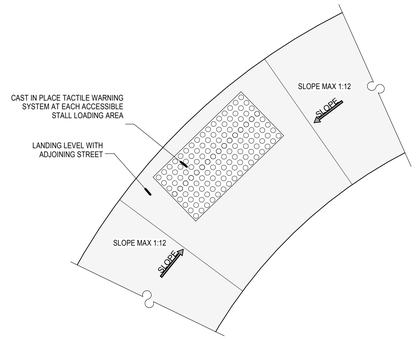
C1 MOW STRIP DETAIL

SCALE: 1 1/2" = 1'-0"



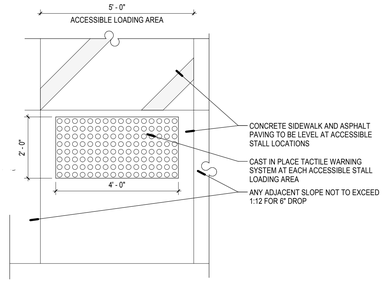
B1 CONCRETE PAD AT BOOK RETURN

SCALE: 1" = 1'-0"



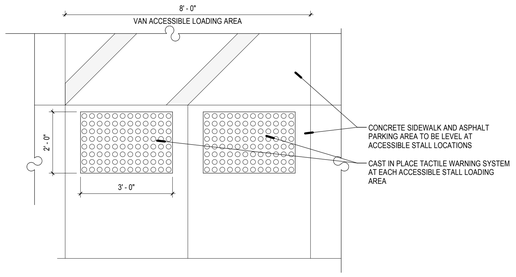
D3 ACCESSIBLE CURB RAMP CORNER

SCALE: 1/2" = 1'-0"



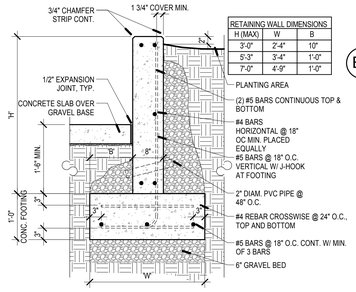
C3 ACCESSIBLE CURB- 5'-0"

SCALE: 1/2" = 1'-0"



B3 ACCESSIBLE CURB 8'-0"

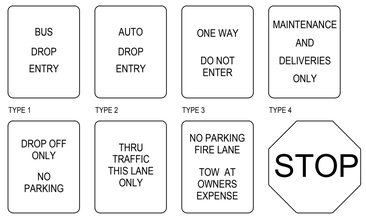
SCALE: 1/2" = 1'-0"

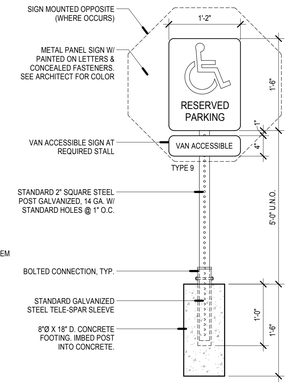


RETAINING WALL DIMENSIONS		
H (MAX)	W	B
3'-0"	2'-4"	10"
5'-3"	3'-4"	1'-0"
7'-0"	4'-9"	1'-0"

D4 CONC. RETAINING WALL

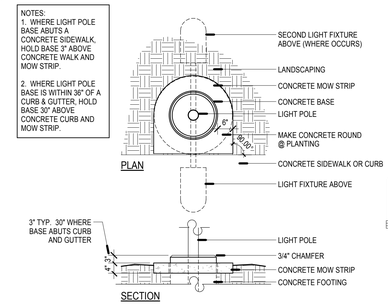
SCALE: 3/4" = 1'-0"





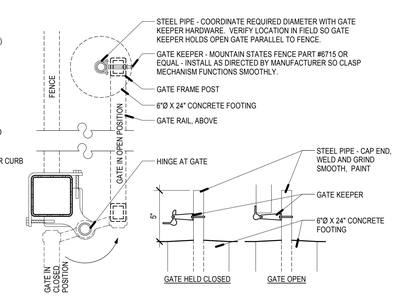
B4 SITE SIGNAGE DETAIL

SCALE: 1" = 1'-0"



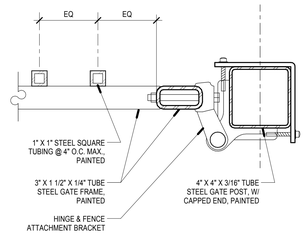
E5 LIGHT POLE DETAIL

SCALE: 1/2" = 1'-0"



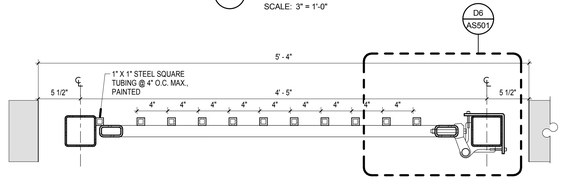
E6 GATE KEEPER

SCALE: 2" = 1'-0"



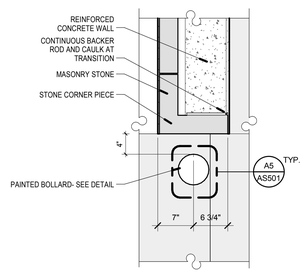
D6 EXTERIOR GATE DETAIL

SCALE: 3" = 1'-0"



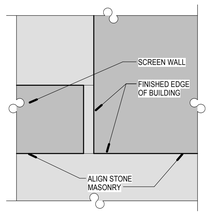
C6 EXTERIOR GATE DETAIL 01

SCALE: 1 1/2" = 1'-0"



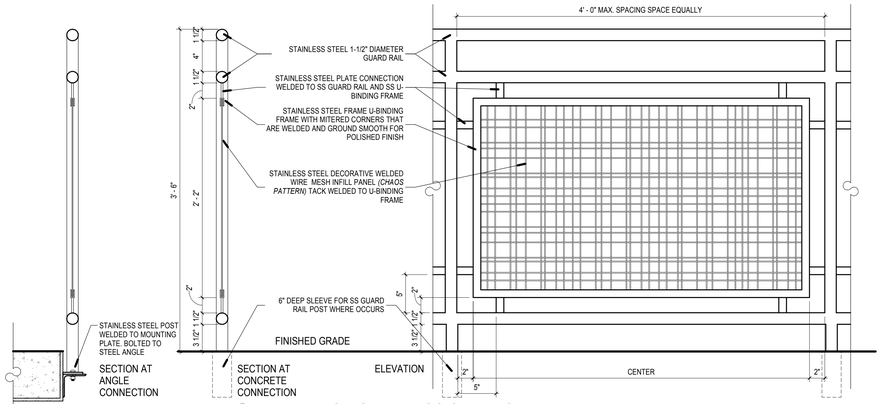
B5 EXTERIOR SCREEN WALL JAMB

SCALE: 1" = 1'-0"



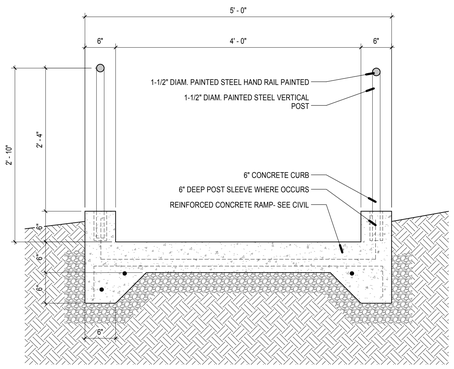
B6 EXTERIOR SCREEN WALL TRANSITION

SCALE: 1" = 1'-0"



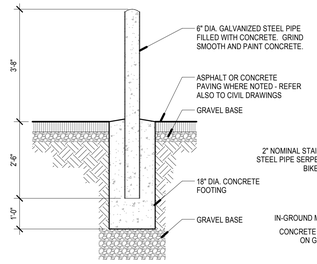
A2 EXTERIOR STAINLESS STEEL GUARDRAIL

SCALE: 1 1/2" = 1'-0"



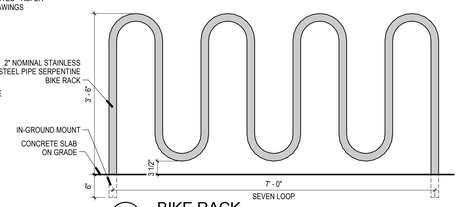
A4 EXTERIOR RAMP DETAIL

SCALE: 1" = 1'-0"



A5 TYPICAL BOLLARD

SCALE: 1/2" = 1'-0"



A6 BIKE RACK

SCALE: 3/4" = 1'-0"

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EXTERIOR DETAILS

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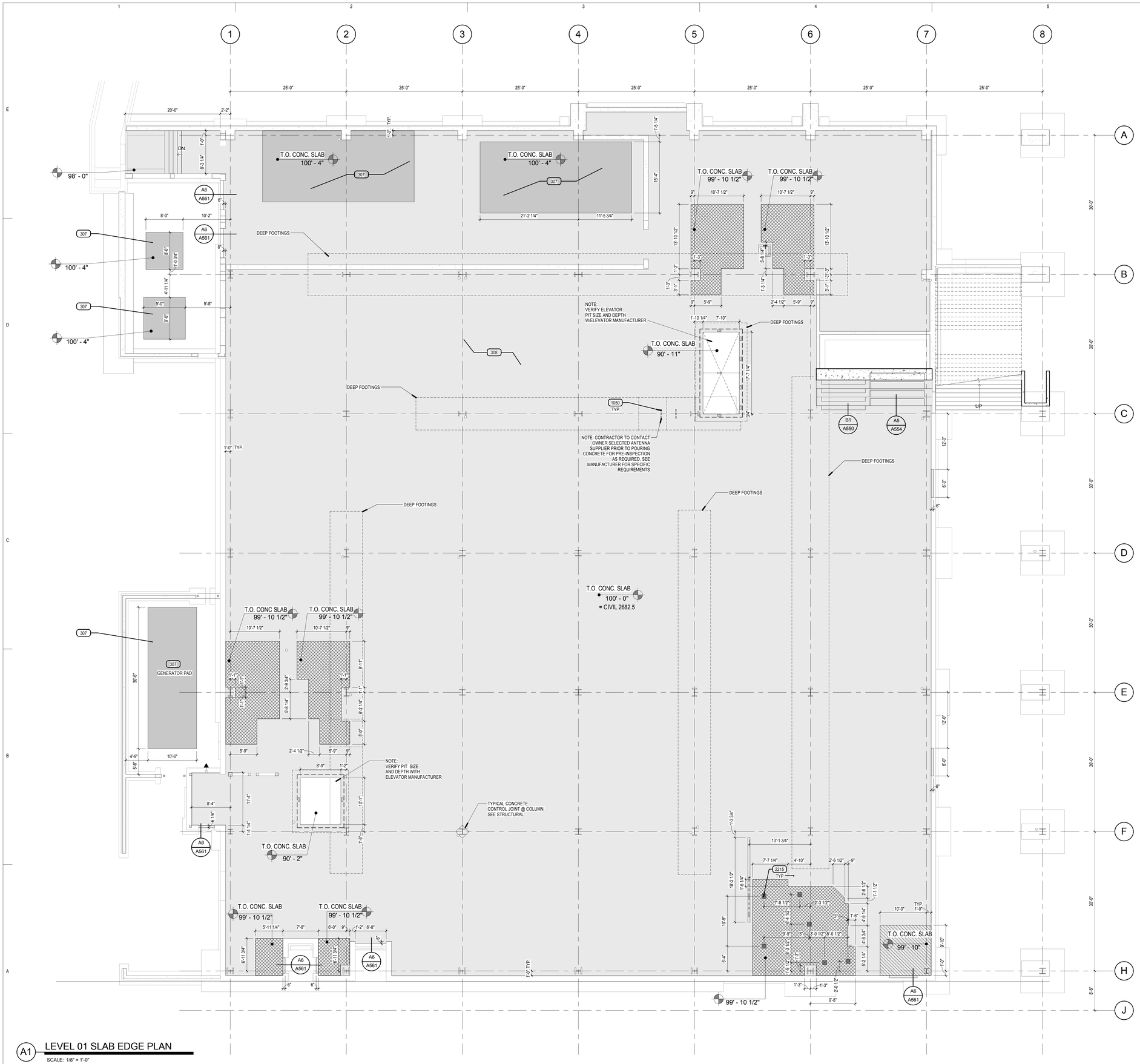


A1 LEVEL 01 SLAB EDGE PLAN

SCALE: 1/8" = 1'-0"

SLAB EDGE LEGEND

THE FOLLOWING PATTERNS ARE USED ON THE FLOOR SLAB EDGE PLAN SHEETS TO REPRESENT THE CONCRETE STRUCTURAL FLOOR SLAB AND ANY RECESSES IN THE SURFACE OF THAT SLAB

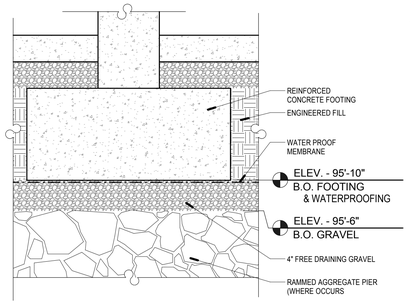
- 6 1/2" STRUCTURAL CONCRETE FLOOR SLAB
- 2" RECESS FOR WALK OFF MAT SYSTEM, VERIFY WITH MANUFACTURER
- 1 1/2" RECESS FOR THICK SET TILE

KEYED NOTES

307 CONCRETE HOUSEKEEPING PAD, COORDINATE SIZE WITH EQUIPMENT.
308 REINFORCED CONCRETE SLAB
1050 LIBRARY LOSS PREVENTION SYSTEM
2215 FLOOR SINK

PLAN NOTES

1. WHERE FLOOR DRAINS ARE INSTALLED THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT TO EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.
2. WHERE CONCRETE PADS ARE CALLED TO BE CONSTRUCTED UNDER EQUIPMENT THE SLAB IS TO BE 8" THICK, UNO, AND IS TO HAVE #4 BARS AT 18" O.C. EACH WAY. COORDINATE DIMENSIONS OF PAD WITH ACTUAL EQUIPMENT SPEC
3. SEE SHEET A580 FOR TYPICAL FLOORING TRANSITION DETAILS.
4. ENTIRE FOOTPRINT OF THIS LEVEL HAS A BELOW GRADE WATERPROOFING SYSTEM UNDER THE FOOTINGS AND SLAB CONSTRUCTION - SHEET A300-A315 FOR DETAILS
5. COORDINATE FINAL LOCATIONS OF FLOOR SINKS W/ VERIFIED SIZE AND LOCATION OF FOOD SERVICE EQUIPMENT.
6. COORDINATE EXACT LOCATIONS OF FLOOR DRAINS W/ PLUMBING. FLOOR DRAINS ARE NOT SHOWN ON THIS SHEET FOR CLARITY.
7. FOOTINGS USED AS "DEEP FOOTINGS" ARE BELOW THE 95'-10" LEVEL. WATERPOOFING TO RUN BELOW FOOTINGS. SEE STRUCTURAL FOR DEPTH OF FOOTINGS.



C6 FOOTING / WATERPROOF DIAGRAM

SCALE: 1 1/2" = 1'-0"

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LEVEL 01 FLOOR SLAB EDGE PLAN

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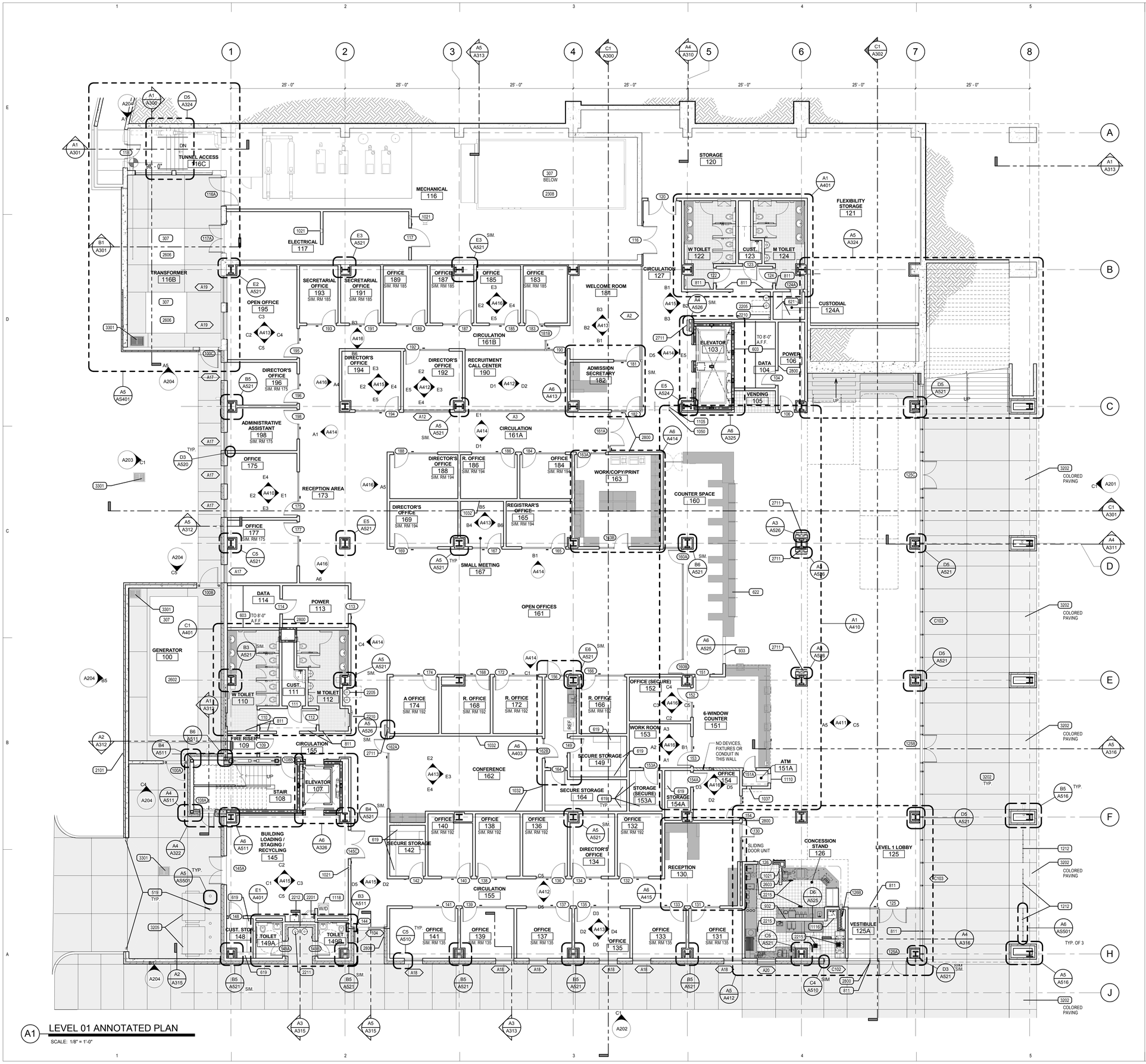

A1 LEVEL 01 ANNOTATED PLAN

SCALE: 1/8" = 1'-0"

PLAN NOTES

1. WHERE FLOOR DRAINS ARE INSTALLED THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT TO EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.
2. WHERE CONCRETE PADS ARE CALLED TO BE CONSTRUCTED UNDER EQUIPMENT THE SLAB IS TO BE 8" THICK, UNO, AND IS TO HAVE #4 BARS AT 18" O.C. EACH WAY. COORDINATE DIMENSIONS OF PAD WITH ACTUAL EQUIPMENT SPEC
3. SEE SHEET A580 FOR TYPICAL FLOORING TRANSITION DETAILS.
4. THE CONTRACTOR IS TO ENSURE THAT BETWEEN ANY FINISH FLOOR ELEVATION TO 34" A.F.F. ALL GUARDRAILS ARE TO BE CONSTRUCTED AND INSTALLED SO THAT A 4" SPHERE WILL NOT PASS BETWEEN ANY TWO ADJACENT GUARDRAIL COMPONENTS OR BETWEEN THE EDGE OF A GUARDRAIL AND ALL ADJACENT BUILDING ELEMENT SUCH AS A WALL OR FLOOR. AN 8" DIAMETER SPHERE IS NOT TO PASS BETWEEN THE ABOVE MENTIONED COMPONENTS AND ELEMENTS FROM AN ELEVATION 34" A.F.F. AND HIGHER.
5. SEE DETAIL C3/A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS

ROOM TAG LEGEND

THE ROOM TAG IS USED TO GIVE A ROOM NAME, ROOM NUMBER, AND WHERE APPLICABLE TO REFER TO A SIMILAR ROOM TO FIND INTERIOR ELEVATION INFORMATION

SECRETARIAL OFFICE — NAME OF ROOM
193 — ROOM NUMBER
SIM. RM 185 — ROOM NUMBER TO REFERENCE FOR INTERIOR ELEVATION INFORMATION

IN THE EXAMPLE ABOVE YOU WOULD REFER TO ROOM 185 TO SEE INTERIOR ELEVATION INFORMATION FOR ROOM 193

KEYED NOTES

307 CONCRETE HOUSEKEEPING PAD, COORDINATE SIZE WITH EQUIPMENT.
519 STEEL PIPE BOLLARD, PAINTED, SEE DETAIL
603 3/4" FIRE TREATED PLYWOOD BACKING @ PANELS
619 16" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
621 24" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
622 MILLWORK, SEE ELEVATIONS
811 ACCESSIBLE DOOR ACTIVATOR
932 LOW WALL - 5'-0" TALL
933 LOW WALL WITH SOLID WOOD CAP-SEE DETAIL- 4'-0" TALL
1021 RECESSED FIRE EXTINGUISHER CABINET W/ FE, SEE DETAIL C3/A520
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1037 BILL DROP
1050 LIBRARY LOSS PREVENTION SYSTEM
1104 VENDING MACHINE, NIC
1105 BOOK MONITOR SYSTEM, NIC, CONTRACTOR TO COORDINATE OWNERS REQUIREMENTS
1110 ATM, NIC (COORDINATE OPENING SIZE WITH ATM SUPPLIER)
1116 MOP SINK BY KITCHEN SINK SUPPLYER, CONTRACTOR TO CONNECT PLUMBING
1118 WASHER AND DRYER, NIC, CONTRACTOR TO CONNECT PLUMBING
1212 BICYCLE RACKS
2101 FIRE-DEPARTMENT CONNECTIONS
2201 JANITOR'S FLOOR SINK AND FAUCET
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2210 ELECTRIC WATER BOTTLE FILLER UNIT (SHARES REMOTE CHILLER WITH ADJACENT ELECTRIC WATER COOLER)
2211 EXTERIOR DUAL DRINKING FOUNTAIN
2212 UTILITY SINK AND FAUCET
2215 FLOOR SINK
2308 MECHANICAL AIR HANDLER
2602 GENERATOR WITH CONCRETE HOUSEKEEPING PAD
2603 ELECTRIC PANEL
2606 TRANSFORMER WITH CONCRETE HOUSEKEEPING PAD
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2800 ACCESS CONTROL
3202 CONCRETE PAVING W/ SUBBASE
3205 6 YARD DUMPSTER, NIC
3301 CATCH BASIN

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LEVEL 01 ANNOTATED PLAN

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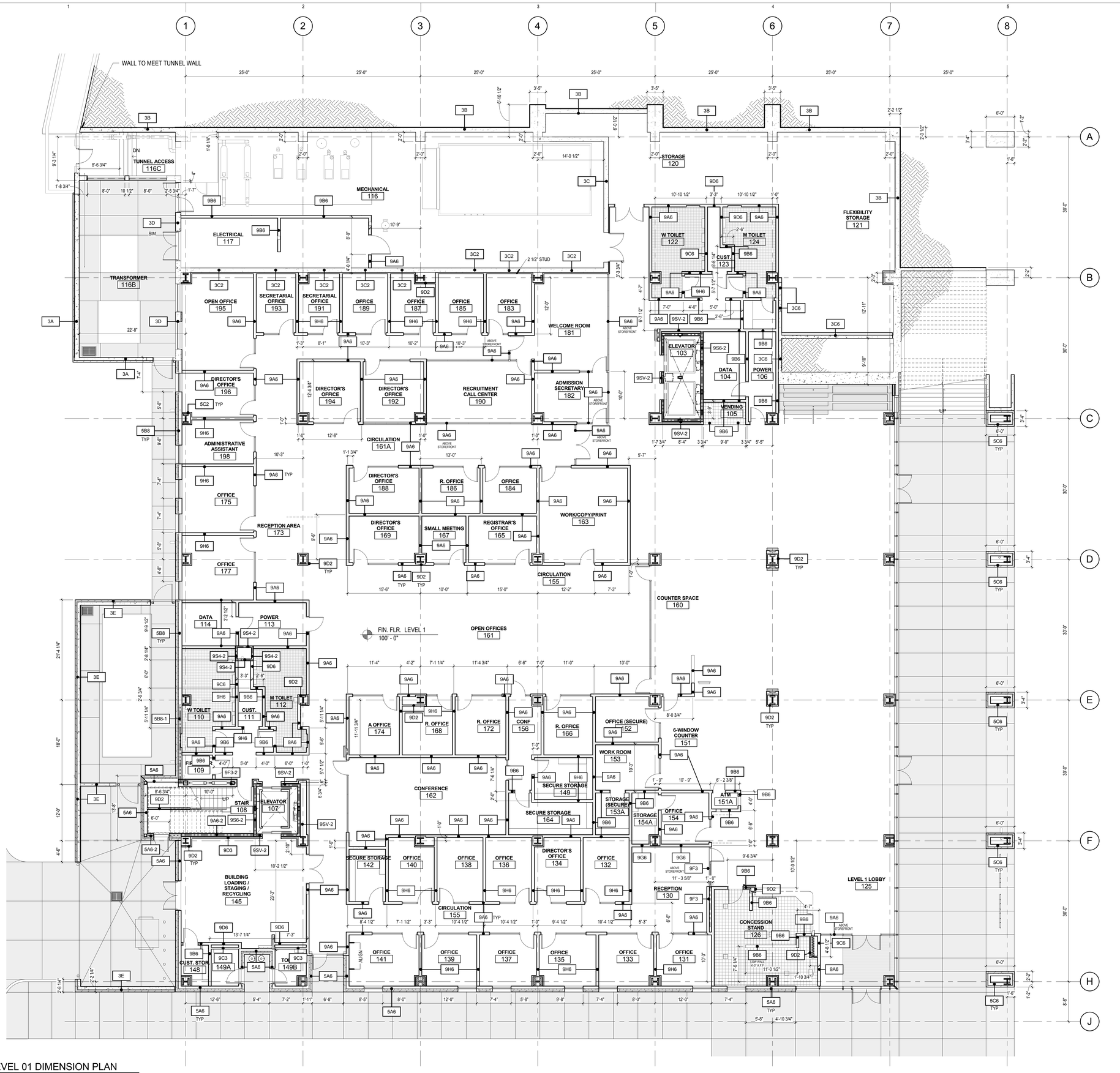

A1 LEVEL 01 DIMENSION PLAN

SCALE: 1/8" = 1'-0"

DIMENSION NOTES

1. ALL DIMENSIONS ARE TO CENTER OF STUD WALL OR FACE OF CONCRETE, MASONRY OR ROUGH OPENING UNLESS NOTED OTHERWISE. WHERE THE END OF A WALL IS INDICATED THE DIMENSION IS TO THE FINISH SURFACE OF THE WALL END.
2. UNLESS DIMENSIONED OTHERWISE. THE DIMENSION FROM THE BUCK OF A DOOR FRAME IS TO BE 4" TO THE WALL CORNER.
3. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED.
4. ALL WALLS TO BE TYPE 9A6 UNLESS NOTED, OTHERWISE. SEE SHEETS A500 AND A501 FOR WALL TYPES AND NOTES.
5. ALL COLUMN WRAPS ARE TO BE CONSTRUCTED PER DETAIL A5/A521, UNLESS NOTED OTHERWISE.

PARTITION AND FRAMING GENERAL NOTES

1. PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE THE FINISH SHEETS AND INTERIOR ELEVATIONS FOR WALL FINISHES INCLUDING TILE COURSING AND LAYOUT AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
2. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.
3. PROVIDE **FIRE RATED CONSTRUCTION ASSEMBLIES** WHERE INDICATED ON SHEETS G100's AND FLOOR PLAN DRAWINGS.
4. ALL **FIRE RATED WALLS** SHOWN **WITH A SECOND WALL** IN FRONT OF IT SHALL BE COMPLETELY FINISHED AND TAPED PRIOR TO THE SECOND STUD WALL BEING ERECTED.
5. **SEE STRUCTURAL** DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS.
6. ALL **EXTERIOR STUD WALLS** TO HAVE CONTINUOUS INSULATION, AIR AND MOISTURE INFILTRATION BARRIER FOR THE FULL HEIGHT AND LENGTH OF THE WALL, SEAL ALL PENETRATIONS. SEE DETAIL A1/ C1/ A513 FOR TYPICAL TOP OF WALL CONDITION.
7. ALL EXTERIOR STUD WALLS ARE TO BE PROVIDED UNDER DIVISION 05 AND SIZED BY THE CONTRACTOR'S ENGINEER AS CALLED FOR IN THE SPECIFICATIONS.
8. THE AIR AND MOISTURE INFILTRATION BARRIER IS TO WRAP INTO ALL WINDOW AND DOOR OPENINGS.
9. **SEE EXTERIOR ELEVATIONS** FOR COURSING, MASONRY TYPES AND METAL PANEL ORIENTATION PER A2 ELEVATION SHEETS.
10. SEE THE A2 ELEVATION SHEETS FOR LOCATION OF **MASONRY STONE CONTROL JOINTS**. IF NOT OTHERWISE NOTED, LOCATE CONTROL JOINTS AT CORNER ABOVE DOORS, INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE BUT ARE **NOT TO EXCEED 30' OC. CONSULT WITH ARCHITECT PRIOR TO INSTALLING PER DETAIL A2/ A511**
11. **PROTECTION OF MASONRY AND GFRC:** DURING CONSTRUCTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK, EXCEPT WHEN THE AMBIENT TEMPERATURE IS EXPECTED TO REMAIN ABOVE 65 DEG F AND NO PRECIPITATION IS FORECAST FOR THE NEXT 24 HOURS. (THIS IS TO PREVENT CONDENSATION FROM COVERED WALLS CAUSING A MOISTURE PROBLEM.) COVER PARTIALLY COMPLETED MASONRY EACH DAY THAT CONSTRUCTION IS NOT IN PROGRESS. WALLS ARE TO BE PROTECTED UNTIL THEY ARE PERMANENTLY PROTECTED BY THE ROOFING MEMBRANE OVER THE CAP PLATE. THE GENERAL CONTRACTOR IS TO PROVIDE TEMPORARY PROTECTION IMMEDIATELY FOLLOWING THE TOPPING OUT OF EACH SECTION OF WALL BY INSTALLING WATERPROOF SHEETING OVER A CONTINUOUS CAP PLATE UNTIL THE ROOFING MEMBRANE IS INSTALLED.
12. AT ALL **INTERIOR WALLS**, STUDS, INSULATION AND GYPSUM BOARD ARE TO EXTEND TO THE DECK ABOVE UNLESS NOTED OTHERWISE.
13. WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT ROOMS WITH WALL TYPE 9A6 BEING THE TYPICAL INTERIOR WALL. SEE SHEETS FOR FINISHES, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
14. ALL INTERIOR METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND ARE TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET. THICKNESS TO MATCH STUD DEPTH, UNLESS NOTED OTHERWISE.
15. REFER TO SHEET A520 FOR TYPICAL INTERIOR WALL CONDITIONS ASSOCIATED WITH ALL METAL STUD PARTITIONS.
16. PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. **CONSULT WITH ARCHITECT PRIOR TO COMMENCING FRAMING.** INSTALL PER DETAILS A2 AND A3/ A520 FOR CONTROL JOINTS.
17. AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, ETC., GYPSUM BOARD IS TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE GAP BETWEEN THE OBJECT AND THE WALL IS TO BE SEALED W/ ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT AT ALL SIDES, MAXIMUM. THE OPENING FOR DUCTS OR LARGE PENETRATIONS SHALL BE FRAMED WITH A HEADER, ADD AN ANGLED CORNER BRACE IF THE GAP EXCEEDS 2" FROM FRAMING TO THE OPENING. INSTALL PER A RATED SYSTEM IF AT A RATED WALL.
18. CONTRACTOR TO PROVIDE BLOCKING / BACKING FOR ALL WALL MOUNTED EQUIPMENT. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR CABINETS, GRAB BARS ETC. INSTALL BLOCKING AS DETAILED OR AS REQUIRED TO MOUNT SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED. INSTALL PER SHEET A510.
19. SEE DETAIL B3/ A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS.
20. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:
    a. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE.
    b. USE 16" OC MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING IF ALLOWED IN THESE DOCUMENTS.
    c. USE STUDS OF GAGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAGE TESTED, 20 GA (30 MILS) IS THE MINIMUM ALLOWED IN THESE DOCUMENTS.
    d. USE STUDS OF DEPTH INDICATED BY THIS SET OF DOCUMENTS. THE DEPTH STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH TESTED DEPTH ALLOWED IN THESE DOCUMENTS. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS
20. INSTALL ONE LAYER OF 5/8" GLASS MAT TILE BACKER BOARD IN LIEU OF GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION WHERE THERE IS NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED PARTITIONS AT THE FOLLOWING LOCATIONS.
    a. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS.
    b. WHERE CERAMIC TILE FINISHES ARE INDICATED PER THE FINISH PLANS AND/ OR INTERIOR ELEVATIONS.
    c. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.
21. **WHERE THERE IS LIMITED WATER EXPOSURE:** INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD PER ASTM C1396 (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS:
    a. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SINKS
    b. AT OTHER LOCATIONS, I.E. TOILET ROOMS AND KITCHENS, AND AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.

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LEVEL 01 DIMENSION PLAN

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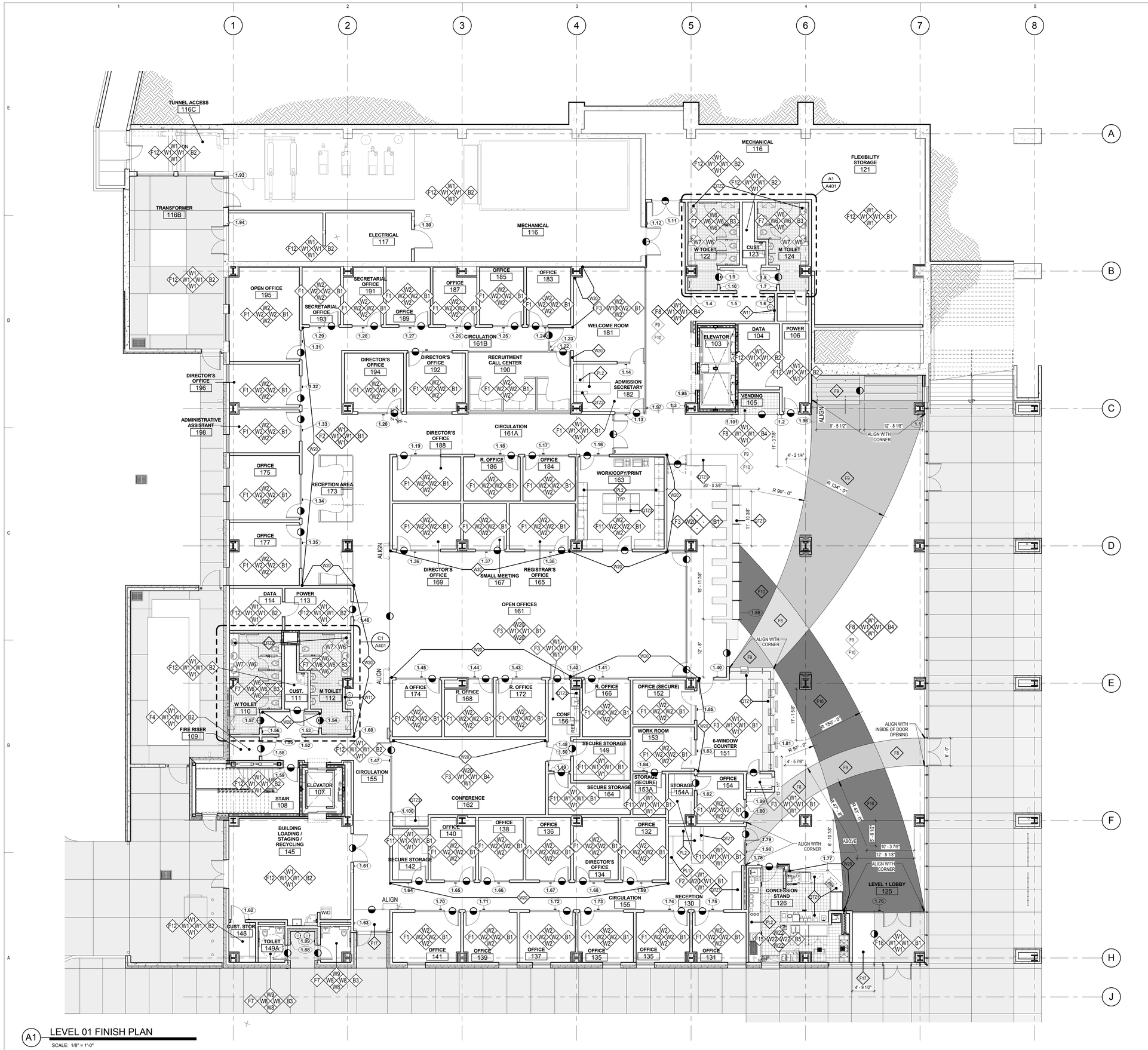

A1 LEVEL 01 FINISH PLAN

SCALE: 1/8" = 1'-0"

GENERAL FINISH NOTES

1. PROVIDE EPOXY PAINT AT ALL RESTROOMS AND JANITOR CLOSETS.
2. ALL FLOOR TRANSITIONS TO BE LOCATED AT CENTER OF DOOR, UNO ALL FLOOR TRANSITIONS AT FLOOR TILE LOCATIONS TO BE LOCATED AT INSIDE CORNER OF DOOR.
3. ALL PAINTED STEEL BRACING AND COLUMNS TO BE PAINTED XXX, UNLESS NOTED OTHERWISE.
4. ALL GROUT JOINTS TO BE NO LARGER THAN 1/8".
5. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
6. COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.
7. SEE ELEVATION SHEETS FOR ALL WALL TILE PATTERNS.
8. AT SOFFITS RECEIVING COLOR- PAINT ALL SIDES OF SOFFIT.
9. ALL WOOD TRIM TO BE STAINED TO MATCH DOOR STAIN.
10. ALL COUNTERTOP, BACKSPLASHES, AND EDGE BANDING TO HAVE COORDINATING FINISHES.
11. PROVIDE A SMOOTH TRANSITION AT ALL FLOOR MATERIALS - CONTRACTOR TO INSTALL ALL FLOOR FINISHES AT SAME LEVEL, DESPITE DIFFERENT THICKNESS. PROVIDE FLOOR TRANSITION WHERE OCCURS.
12. PROVIDE TILE XXX. 4"X4" CERAMIC WALL TILE' AT ALL JANITOR SINKS. PROVIDE TILE BULLNOSE TO FINISH OFF ALL EXPOSED EDGES.
13. ALL WALLS RECEIVING TILE WAINSCOT TO RECEIVE PAINT W1 ABOVE, UNO SEE FINISH PLANS FOR ACCENT WALL LOCATIONS.
14. SEE SHEET A580 FOR FLOORING TRANSITION DETAILS.
15. ALL HANDRAILS AND STRINGERS AT STAIRS, EXCLUDING MAIN STAIR CASE, STARTING AT LOBBY 125 TO BE PAINTED "W16" GLOSS FINISH
16. ALL HM DOOR AND FRAMES TO BE XXX.
17. ALL EXPOSED CEILINGS TO BE PAINTED. REFER TO REFLECTED CEILING PLANS.
18. AT ALL TILE WAINSCOT, SCRIBE BOTTOM TILE TO MATCH FINISH FLOOR SURFACE AND CAULK WITH BASE 'B2'.
19. AT ALL RECEPTION DESKS, USE WOOD VENEER "WV1"
20. FLOOR 1 AND 3: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" CUSTOM YELLOW TO MATCH ARCHITECT'S CONTROL SAMPLE. BACKGROUND CARPET TO BE SHAW 18"X36" LAYERED 95761.
21. FLOOR 2 AND 5: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95870 SUNDRIED. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
22. FLOOR 2M: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95675 ORANGE. BACKGROUND COLOR TO BE SHAW, 18"X36" WASHED 95106.
23. FLOOR 4: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95668 PAPRIKA. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
24. AT LEVEL ONE LOBBY 125: FLOOR FINISH PATTERN AS DETAILED ON SHEET C2/A581.
25. ALL EXPOSED BRACING TO BE PAINTED "W17" SATIN FINISH.
26. ALL BUILT IN BOOKSHELVES AND LATERAL FILES TO RECEIVE "PL1"
27. ALL BUILT IN RECEPTION DESKS TO RECEIVE "PL1"
28. ALL RECEPTION DESK WRITING SURFACES, AT 42" HIGH, TO RECEIVE "QTZ1"
29. ALL RECEPTION DESK WRITING SURFACES, AT 30", TO RECEIVE "PL2"
30. ALL WORK TABLES AT WORK ROOMS TO RECEIVE "PL1" AT CABINETRY.
31. ALL SOLID SURFACE SILLS TO RECEIVE "SS1"
32. ALL FREESTANDING FILL DRAWERS TO RECEIVE "PL1" ALL SIDED
33. ALL BUILT IN FILE DRAWERS TO RECEIVE "PL1" ALL EXPOSED SIDES
34. ALL MAILBOX SLOTS TO RECEIVE "PL1" ALL SIDES
35. ALL WRITING SURFACES AT MILLWORK WORKROOMS TO RECEIVE "PL2" UNO
36. BACKSPLASHES TO MATCH ADJACENT COUNTERTOP MATERIAL TYP.
37. ALL PLASTIC LAMINATE OR QUARTZ SURFACE CALLOUTS REFER TO COUNTERTOP SURFACE ONLY.
38. DO NOT PAINT ACCENT COLOR WHERE VINYL MARKERBOARD MATERIAL OCCURS. SEE ELEV.
39. ALL BUILT IN PENCIL DRAWERS TO RECEIVE "PL1".
40. AT BACK OF MILLWORK, WHERE PLASTIC LAMINATE IS NOTED, USE "PL1", WHERE PAINTED GYP IS NOTED, PAINT TO MATCH ADJACENT WALL. ALL STEEL ANGLES MATCH ADJACENT WALL COLOR.

FINISH PLAN SYMBOLS

WALL / FLOOR / WALL — F7 W1 W2 W2 B3 — WALL / BASE / WALL

NOTE

SINGLE FINISH SYMBOLS INDICATE WHERE FINISHES ARE DIFFERENT FROM GENERAL ROOM FINISHES, OR PROVIDE ADDITIONAL FINISH INFORMATION

CHANGE AT FLOOR MATERIAL

XX — SIGNAGE TAG- SEE SIGNAGE SHEETS FOR DETAILS

FINISH PLAN LEGEND

WALL MATERIALS

W1	PRIMED & PAINTED WALL SURFACE- GENERAL
W2	PRIMED & PAINTED WALL SURFACE
W3	PRIMED & PAINTED WALL SURFACE
W4	PRIMED & PAINTED WALL SURFACE
W5	PRIMED & PAINTED WALL SURFACE
W6	TILE AT RESTROOMS
W7	TILE AT RESTROOMS
W8	TILE AT RESTROOMS
W9	TILE AT RESTROOMS
W10	PRIMED & PAINTED WALL SURFACE
W11	WALL TILE
W12	CEILING COLOR
W13	VENITIAN PLASTER
W14	N/A
W15	TILE
W16	PRIMED & PAINTED WALL SURFACE
W17	PRIMED & PAINTED WALL SURFACE
W18	PRIMED & PAINTED WALL SURFACE
W19	ACOUSTICAL PANELS
W20	PRIMED AND PAINTED

FLOOR MATERIALS

F1	CARPET TILE
F2	CARPET TILE
F3	CARPET TILE
F4	CARPET TILE
F5	CARPET TILE
F6	CARPET TILE
F7	PENNY TILE
F8	PORCELAIN TILE
F9	PORCELAIN TILE
F10	PORCELAIN TILE
F11	MARMOLEUM
F12	SEALED CONCRETE
F13	CONCRETE PAVER
F14	RAISED FLOOR
F15	QUARRY TILE
F16	TRAFFIC COATING
F17	WALK OFF CARPET
F18	WALK OFF GRILLE
F19	COLORED CONCRETE
F20	COLORED CONCRETE
F21	CARPET BROADLOOM
F22	CHEMICAL RESISTANT FLOORING

BASE MATERIALS

B1	4" RUBBER BASE
B2	NO BASE- CAULK BETWEEN FLOOR AND WALL
B3	CERAMIC TILE BASE
B4	WOOD BASE
B5	TILE BASE
B6	METAL REVEAL BASE
B7	TRAFFIC COATING EXTENDED 6" UP WALL

OTHER MATERIALS

QTZ1	QUARTZ SURFACE
QTZ2	QUARTZ SURFACE
QTZ3	QUARTZ SURFACE
SS1	SOLID SURFACE AT SILLS
TP1	TOILET PARTITION
US1	URINAL SCREEN
CG1	CORNER GUARDS
WV1	WOOD VENEER
WS1	WOOD STAIN

PLASTIC LAMINATE

PL1	PLASTIC LAMINATE
PL2	PLASTIC LAMINATE
PL3	PLASTIC LAMINATE
PL4	CHEMICAL LAMINATE
TKBD1	TACKBOARD
TKBD2	TACKBOARD
TKBD3	TACKBOARD
GR1	GRAPHIC WALL

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LEVEL 01 FINISH PLAN

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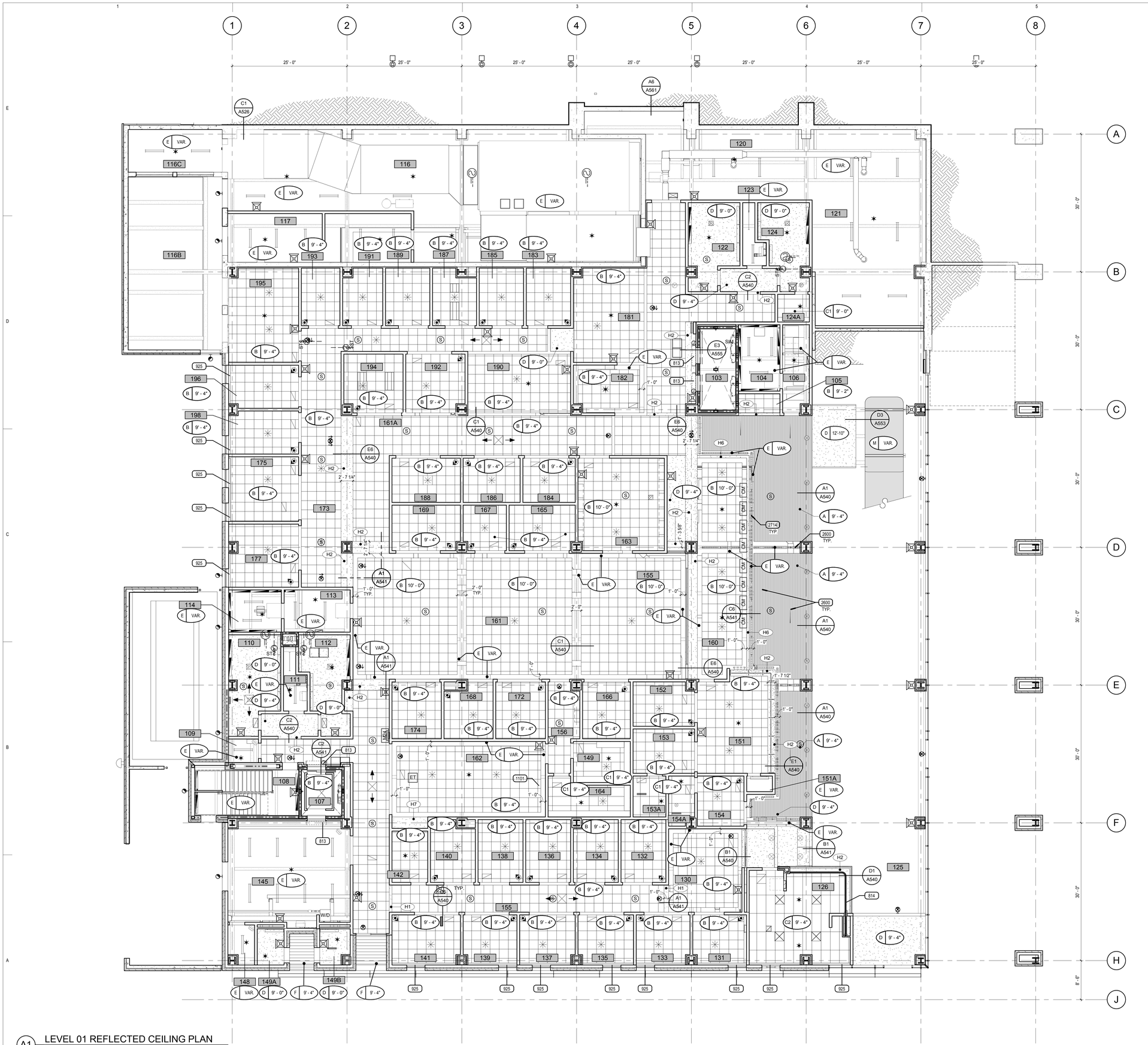

A1 LEVEL 01 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

GENERAL CEILING NOTES

1- REFER TO DETAIL C6/A840 FOR TYPICAL CEILING SUSPENSION & SEISMIC BRACING

2- REFER TO DETAIL A6/A840 FOR TYPICAL SUSPENDED GYP. BOARD CEILINGS

3- ALL UNIDENTIFIED CEILING TYPES ON THE PLANS SHALL BE TYPE "B" AT 9'-4" A.F.F.

4- GRID SUSPENSION SYSTEMS SHALL BE CENTERED WITHIN AREAS INDICATED, UNLESS NOTED OTHERWISE

5- ALL EXPOSED STRUCTURE, MECHANICAL, DUCTS, ELECTRICAL WORK, PIPING, ETC.. SHALL BE PAINTED. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR "W10" AS NOTED IN FINISH SCHEDULE AT TYPE "A" ABOVE VENTWOOD & TYPE "B" CEILING CLOUDS. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR WHITE WHERE NO CEILING EXISTS.

6- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF MECHANICAL GRILLES AND TO MECHANICAL DRAWINGS FOR QUANTITIES AND TYPES

7- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES

8- MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE WORK WITH SPRINKLER CONTRACTOR TO AVOID CONFLICTS IN FIELD. NOTE: ADDITIONAL MONIES WILL NOT BE PAID TO SUBCONTRACTORS FOR REWORK REQUIRED DUE TO LACK OF COORDINATION.

9- ALL CEILING HEIGHTS ARE ELEVATION ABOVE TOP OF FINISHED FLOOR.

10- ALL TYPE "D" CEILINGS IN RESTROOMS, LOCKER ROOMS, AND WET AREAS TO BE EPOXY PAINTED. EXTEND GYP. TO DECK WHERE EXPOSED.

11- BLACK SPRAY APPLIED INSULATION TO BE APPLIED TO THE UNDERSIDE OF DECK ABOVE ALL TYPE "A" CEILING SYSTEMS, 2" THICK.

12- ALL LAY-IN TILE CEILING CLOUDS, WHERE GRID DOES NOT MEET THE WALL OR HAS A BREAK IN THE PLANE OF THE CEILING, IS TO HAVE 4" TRIM AS PER DETAIL C1/A540 AND C5/A540. ALL EXPOSED SURFACES ABOVE PLANE OF CEILING TO BE PAINTED.

13 - EVERY WINDOW, STOREFRONT AND CURTAINWALL UNIT AT THE EXTERIOR WALLS OF THE BUILDING SHALL BE EQUIPPED WITH A ROLL-DOWN WINDOW SHADE ASSEMBLY AT THE INTERIOR OF THE UNIT. THE INTERIOR WINDOW UNITS THAT ARE TO BE EQUIPPED WITH A ROLL-DOWN SHADE ARE SPECIFICALLY CALLED OUT IN THESE CONSTRUCTION DOCUMENTS.

CEILING TYPES

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE CEILING TYPE AND HEIGHT

CEILING TYPE — X X'-X" — CEILING HEIGHT

NOTE: WHERE CEILINGS ARE NOT A CONSTANT ELEVATION "VAR" MEANING "VARIES" APPEARS IN THE CEILING HEIGHT FIELD. WHERE NO CEILING OCCURS "EXP" MEANING "EXPOSED" APPEARS IN THE CEILING HEIGHT FIELD.

A-	VENTED WOOD CEILING SYSTEM, PAINT ALL EXPOSED SURFACES ABOVE & BLACK SPRAY APPLIED INSULATION TO DECK ABOVE
B-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING
C1-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING
C2-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (VINYL COATED)
C3-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (CLEAN ROOM) PAINT ALL SURFACES OF PLENUM ABOVE
D-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, U.N.O. UTILIZE EPOXY PAINT AT RESTROOMS AND JANITOR CLOSETS
E-	EXPOSED STRUCTURE, PAINT ALL EXPOSED SURFACES PER NOTE 5 ABOVE
F-	PRE-FINISHED METAL SOFFIT PANELS OVER INFILTRATION BARRIER OVER 1/2" FIRE RETARDANT TREATED WOOD SHEATHING SUPPORTED WITH A SUSPENDED SOFFIT SYSTEM
G-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING, GROOVED
H-	METAL CEILING
J-	PRE- FINISHED EXTERIOR COMPOSITE METAL SOFFIT
K-	SUSPENDED ACOUSTICAL LAY-IN CEILING 2'-6" X 5' FIELD PANELS, 0'-6" X 9' TECHNICAL PANELS
L-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, 2 HR RATED
M-	GYP. BOARD STAIR WRAP WITH VINYL GRAPHIC. SEE STAIR SECTIONS.

HEADER LEGEND

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE HEADER HEIGHT

HEADER TYPE — XX

NOTE: AT STUD HEADERS VERTICAL 3-5/8" STUDS WITH 5/8" GYP. BOARD BOTH SIDES EXTEND FROM THE BOTTOM OF HEADER TO DECK ABOVE, UNLESS OTHERWISE DETAILED.

H1	GYP. BOARD HEADER AT 7'-0". SEE DETAIL E6/A840
H2	GYP. BOARD HEADER AT 9'-0". SEE DETAIL E6/A840
H3	GYP. BOARD HEADER AT 11'-4". SEE DETAIL E6/A840
H4	GYP. BOARD HEADER AT 11'-10". SEE DETAIL E6/A840
H5	GYP. BOARD HEADER AT 12'-0". SEE DETAIL E6/A840
H6	GYP. BOARD HEADER AT 9'-4". SEE DETAIL E6/A840

CEILING LEGEND

THE FOLLOWING SYMBOLS ARE USED ON THE REFLECTED CEILING PLAN SHEETS TO REPRESENT ELECTRICAL AND MECHANICAL DEVICES. THE REFLECTED CEILING PLANS ARE TO BE USED TO LOCATE THESE DEVICES. REFER TO THE ELECTRICAL AND MECHANICAL DRAWINGS FOR DEVICE TYPE DESCRIPTION AND QUANTITY EXCEPT FOR THE CEILING FANS. FAN TYPES AND QUANTITIES ARE TO BE TAKEN FROM THE REFLECTED CEILING PLAN SHEETS

GRAPHIC	DESCRIPTION
	FLUORESCENT LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE
	RECESSED DOWN LIGHT
	WALL WASH
	TRACK LIGHTING
	EXIT SIGN, SINGLE-SIDED
	EXIT SIGN, DOUBLE-SIDED
	FIRE ALARM
	SPEAKER
	SMOKE DETECTOR
	LINEAR DIFFUSER
	HVAC DIFFUSER, RETURN GRILLE, VENTILATION GRILLE
	OCCUPANCY SENSOR

KEYED NOTES

813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM, SEE DETAIL C2/A541
814 SIDE FOLDING GRILL AND DOOR
925 EXTRUDED ALUMINUM CEILING PERIMETER SHADE POCKET, SEE DETAIL D3/A540
1101 DAVIT ANCHOR, SEE DETAIL B1/AE531
2600 LIGHT FIXTURE
2714 PROVIDE WALL MOUNT BRACKET FOR SCREEN TO BE MOUNTED BELOW HEADER, FLAT SCREEN MONITOR, NIC

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LEVEL 01 REFLECTED CEILING PLAN

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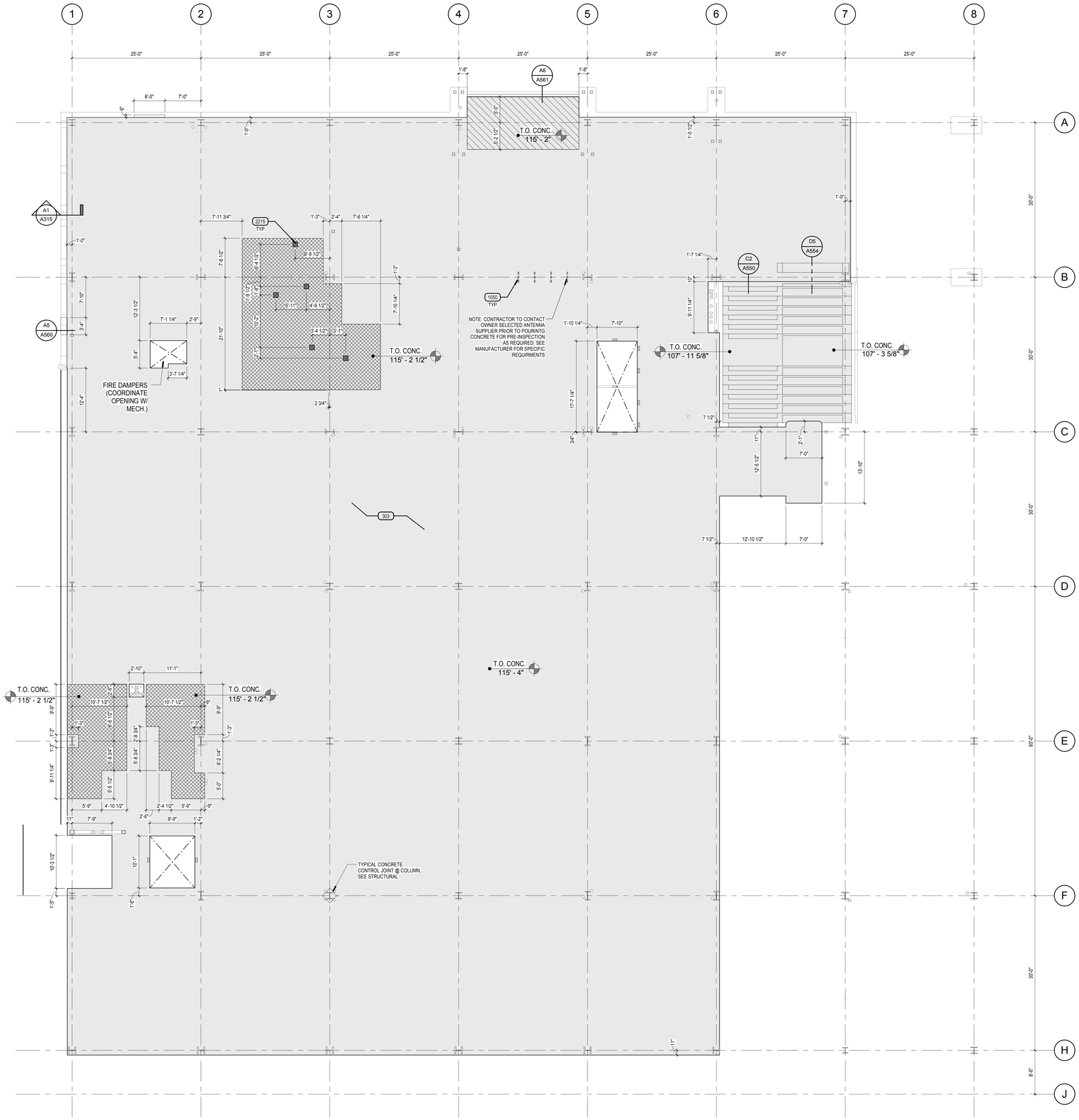

SLAB EDGE LEGEND

THE FOLLOWING PATTERNS ARE USED ON THE FLOOR SLAB EDGE PLAN SHEETS TO REPRESENT THE CONCRETE STRUCTURAL FLOOR SLAB AND ANY RECESSES IN THE SURFACE OF THAT SLAB

- 6 1/2" STRUCTURAL CONCRETE FLOOR SLAB
- 2" RECESS FOR WALK OFF MAT SYSTEM, VERIFY WITH MANUFACTURER
- 1 1/2" RECESS FOR THICK SET TILE

KEYED NOTES

303 REINFORCED CONCRETE SLAB ON METAL DECK
1050 LIBRARY LOSS PREVENTION SYSTEM
2215 FLOOR SINK

A1 LEVEL 02 SLAB EDGE PLAN

SCALE: 1/8" = 1'-0"

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LEVEL 02 FLOOR SLAB EDGE PLAN

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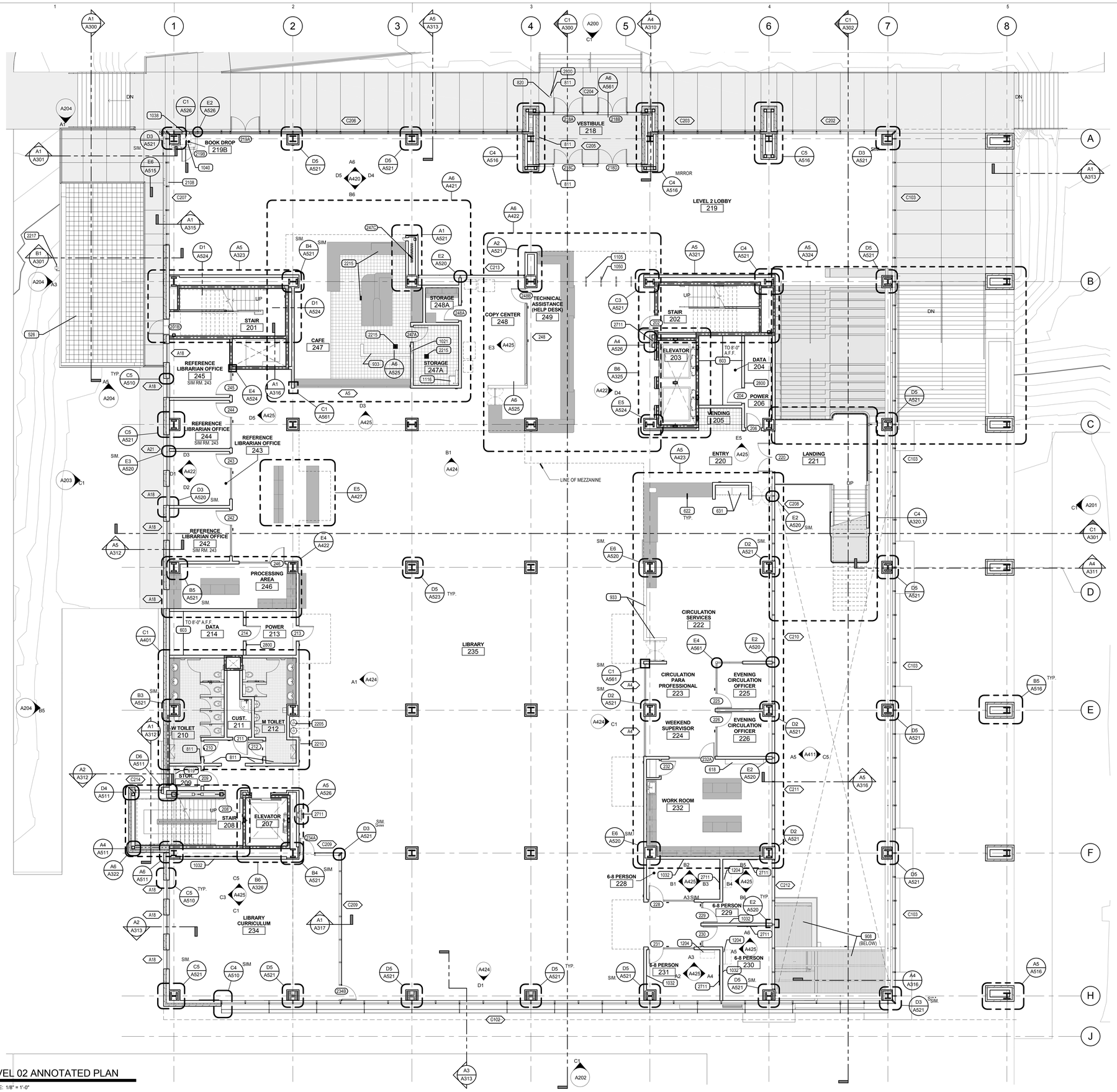

A5 LEVEL 02 ANNOTATED PLAN

SCALE: 1/8" = 1'-0"

PLAN NOTES

1. WHERE FLOOR DRAINS ARE INSTALLED THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT TO EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.
2. WHERE CONCRETE PADS ARE CALLED TO BE CONSTRUCTED UNDER EQUIPMENT THE SLAB IS TO BE 8" THICK, UNO, AND IS TO HAVE #4 BARS AT 18" O.C. EACH WAY. COORDINATE DIMENSIONS OF PAD WITH ACTUAL EQUIPMENT SPEC
3. SEE SHEET A580 FOR TYPICAL FLOORING TRANSITION DETAILS.
4. THE CONTRACTOR IS TO ENSURE THAT BETWEEN ANY FINISH FLOOR ELEVATION TO 34" A.F.F. ALL GUARDRAILS ARE TO BE CONSTRUCTED AND INSTALLED SO THAT A 4" SPHERE WILL NOT PASS BETWEEN ANY TWO ADJACENT GUARDRAIL COMPONENTS OR BETWEEN THE EDGE OF A GUARDRAIL AND ALL ADJACENT BUILDING ELEMENT SUCH AS A WALL OR FLOOR. AN 8" DIAMETER SPHERE IS NOT TO PASS BETWEEN THE ABOVE MENTIONED COMPONENTS AND ELEMENTS FROM AN ELEVATION 34" A.F.F. AND HIGHER.
5. SEE DETAIL C3/A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS

ROOM TAG LEGEND

THE ROOM TAG IS USED TO GIVE A ROOM NAME, ROOM NUMBER, AND WHERE APPLICABLE TO REFER TO A SIMILAR ROOM TO FIND INTERIOR ELEVATION INFORMATION

SECRETARIAL OFFICE — NAME OF ROOM
193 — ROOM NUMBER
SIM. RM 185 — ROOM NUMBER TO REFERENCE FOR INTERIOR ELEVATION INFORMATION

IN THE EXAMPLE ABOVE YOU WOULD REFER TO ROOM 185 TO SEE INTERIOR ELEVATION INFORMATION FOR ROOM 193

KEYED NOTES

526 GALVANIZED STEEL GRATING
603 3/4" FIRE TREATED PLYWOOD BACKING @ PANELS
618 12" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
619 16" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
622 MILLWORK, SEE ELEVATIONS
631 MEDIA CABINET- N.I.C.
811 ACCESSIBLE DOOR ACTIVATOR
820 STAINLESS STEEL 4"x6"x40" BOLLARD POST TO ACCOMODATE ADA ACTUATOR & ACCESS CONTROL INTERFACE
908 WOOD LOUVER SUSPENDED CEILING SYSTEM
933 LOW WALL WITH SOLID WOOD CAP-SEE DETAIL- 4'-0" TALL
1021 RECESSED FIRE EXTINGUISHER CABINET W/ FE, SEE DETAIL C3/A520
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1038 BOOK & MEDIA RETURN
1040 26"L X26"W X26"H BOOK RETURN CART
1050 LIBRARY LOSS PREVENTION SYSTEM
1104 VENDING MACHINE, NIC
1105 BOOK MONITOR SYSTEM, NIC, CONTRACTOR TO COORDINATE OWNERS REQUIREMENTS
1116 MOP SINK BY KITCHEN SINK SUPPLYER, CONTRACTOR TO CONNECT PLUMBING
1204 WALL MOUNTED LAPTOP STATION
2108 WINDOW SPRINKLER HEADS, INSTALL PER ICC ESR-2397
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2210 ELECTRIC WATER BOTTLE FILLER UNIT (SHARES REMOTE CHILLER WITH ADJACENT ELECTRIC WATER COOLER)
2215 FLOOR SINK
2217
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2800 ACCESS CONTROL

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LEVEL 02 ANNOTATED PLAN

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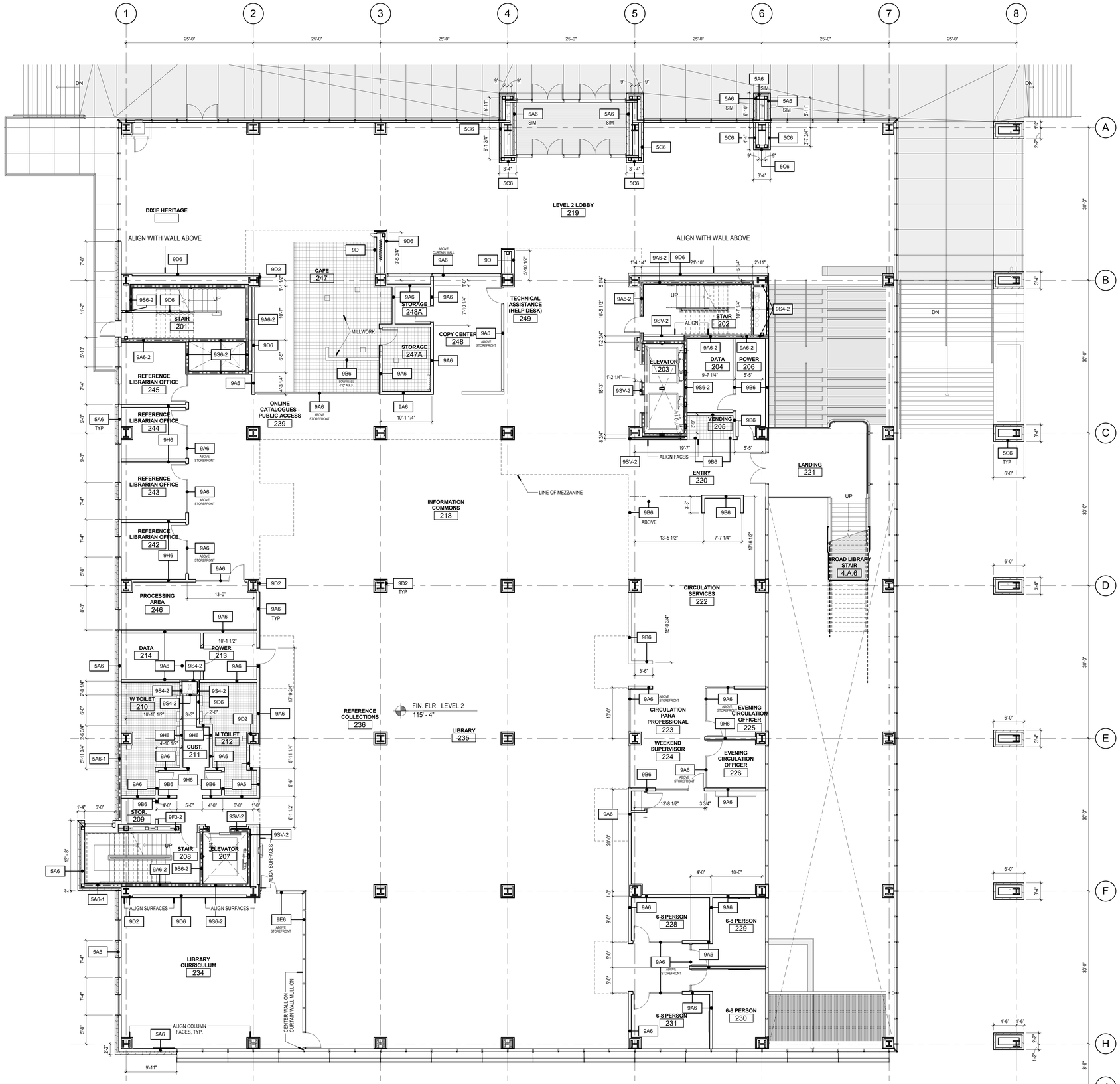

A1 LEVEL 02 DIMENSION PLAN

SCALE: 1/8" = 1'-0"

DIMENSION NOTES

1. ALL DIMENSIONS ARE TO CENTER OF STUD WALL OR FACE OF CONCRETE, MASONRY OR ROUGH OPENING UNLESS NOTED OTHERWISE. WHERE THE END OF A WALL IS INDICATED THE DIMENSION IS TO THE FINISH SURFACE OF THE WALL END.
2. UNLESS DIMENSIONED OTHERWISE, THE DIMENSION FROM THE BUCK OF A DOOR FRAME IS TO BE 4" TO THE WALL CORNER.
3. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED.
4. ALL WALLS TO BE TYPE 9A6 UNLESS NOTED, OTHERWISE. SEE SHEETS A500 AND A501 FOR WALL TYPES AND NOTES.
5. ALL COLUMN WRAPS ARE TO BE CONSTRUCTED PER DETAIL A5/A521, UNLESS NOTED OTHERWISE.

PARTITION AND FRAMING GENERAL NOTES

1. PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE THE FINISH SHEETS AND INTERIOR ELEVATIONS FOR WALL FINISHES INCLUDING TILE COURSING AND LAYOUT AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
2. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.
3. PROVIDE **FIRE RATED CONSTRUCTION ASSEMBLIES** WHERE INDICATED ON SHEETS G100's AND FLOOR PLAN DRAWINGS.
4. ALL **FIRE RATED WALLS** SHOWN **WITH A SECOND WALL** IN FRONT OF IT SHALL BE COMPLETELY FINISHED AND TAPED PRIOR TO THE SECOND STUD WALL BEING ERECTED.
5. **SEE STRUCTURAL** DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS.
6. ALL **EXTERIOR STUD WALLS** TO HAVE CONTINUOUS INSULATION, AIR AND MOISTURE INFILTRATION BARRIER FOR THE FULL HEIGHT AND LENGTH OF THE WALL SEAL ALL PENETRATIONS. SEE DETAIL AT C1/ A513 FOR TYPICAL TOP OF WALL CONDITION.
7. ALL EXTERIOR STUD WALLS ARE TO BE PROVIDED UNDER DIVISION 05 AND SIZED BY THE CONTRACTOR'S ENGINEER AS CALLED FOR IN THE SPECIFICATIONS.
8. THE AIR AND MOISTURE INFILTRATION BARRIER IS TO WRAP INTO ALL WINDOW AND DOOR OPENINGS.
9. **SEE EXTERIOR ELEVATIONS** FOR COURSING, MASONRY TYPES AND METAL PANEL ORIENTATION PER A2 ELEVATION SHEETS.
10. SEE THE A2 ELEVATION SHEETS FOR LOCATION OF **MASONRY STONE CONTROL JOINTS**. IF NOT OTHERWISE NOTED, LOCATE CONTROL JOINTS AT CORNER ABOVE DOORS, INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE BUT ARE **NOT TO EXCEED 30' OC. CONSULT WITH ARCHITECT PRIOR TO INSTALLING PER DETAIL A2/ A511**
11. **PROTECTION OF MASONRY AND GFRC:** DURING CONSTRUCTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK. EXCEPT WHEN THE AMBIENT TEMPERATURE IS EXPECTED TO REMAIN ABOVE 65 DEG F AND NO PRECIPITATION IS FORECAST FOR THE NEXT 24 HOURS. (THIS IS TO PREVENT CONDENSATION FROM COVERED WALLS CAUSING A MOISTURE PROBLEM.) COVER PARTIALLY COMPLETED MASONRY EACH DAY THAT CONSTRUCTION IS NOT IN PROGRESS. WALLS ARE TO BE PROTECTED UNTIL THEY ARE PERMANENTLY PROTECTED BY THE ROOFING MEMBRANE OVER THE CAP PLATE. THE GENERAL CONTRACTOR IS TO PROVIDE TEMPORARY PROTECTION IMMEDIATELY FOLLOWING THE TOPPING OUT OF EACH SECTION OF WALL BY INSTALLING WATERPROOF SHEETING OVER A CONTINUOUS CAP PLATE UNTIL THE ROOFING MEMBRANE IS INSTALLED.
12. AT ALL **INTERIOR WALLS**, STUDS, INSULATION AND GYPSUM BOARD ARE TO EXTEND TO THE DECK ABOVE UNLESS NOTED OTHERWISE.
13. WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT ROOMS WITH WALL TYPE 9A6 BEING THE TYPICAL INTERIOR WALL. SEE SHEETS FOR FINISHES, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
14. ALL INTERIOR METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND ARE TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET. THICKNESS TO MATCH STUD DEPTH, UNLESS NOTED OTHERWISE.
15. REFER TO SHEET A520 FOR TYPICAL INTERIOR WALL CONDITIONS ASSOCIATED WITH ALL METAL STUD PARTITIONS.
16. PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. **CONSULT WITH ARCHITECT PRIOR TO COMMENCING FRAMING.** INSTALL PER DETAILS A2 AND A3/ A520 FOR CONTROL JOINTS.
17. AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, ETC., GYPSUM BOARD IS TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE GAP BETWEEN THE OBJECT AND THE WALL IS TO BE SEALED W/ ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT AT ALL SIDES, MAXIMUM. THE OPENING FOR DUCTS OR LARGE PENETRATIONS SHALL BE FRAMED WITH A HEADER, ADD AN ANGLED CORNER BRACE IF THE GAP EXCEEDS 3" FROM FRAMING TO THE OPENING. INSTALL PER A RATED SYSTEM IF AT A RATED WALL. CONTRACTOR TO PROVIDE BLOCKING / BACKING FOR ALL WALL MOUNTED EQUIPMENT. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR CABINETS, GRAB BARS ETC. INSTALL BLOCKING AS DETAILED OR AS REQUIRED TO MOUNT SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED. INSTALL PER SHEET A510.
19. SEE DETAIL B3/ A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS.
20. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:
    a. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE.
    b. USE 16" OC MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING IF ALLOWED IN THESE DOCUMENTS.
    c. USE STUDS OF GAGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAGE TESTED, 20 GA (30 MILS) IS THE MINIMUM ALLOWED IN THESE DOCUMENTS.
    d. USE STUDS OF DEPTH INDICATED BY THIS SET OF DOCUMENTS. THE DEPTH STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH TESTED DEPTH ALLOWED IN THESE DOCUMENTS. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS
20. INSTALL ONE LAYER OF 5/8" GLASS MAT TILE BACKER BOARD IN LIEU OF GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION WHERE THERE IS NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED PARTITIONS AT THE FOLLOWING LOCATIONS:
    a. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS.
    b. WHERE CERAMIC TILE FINISHES ARE INDICATED PER THE FINISH PLANS AND/ OR INTERIOR ELEVATIONS.
    c. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.
21. **WHERE THERE IS LIMITED WATER EXPOSURE:** INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD PER ASTM C1396 (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS:
    a. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SINKS
    b. AT OTHER LOCATIONS, I.E. TOILET ROOMS AND KITCHENS, AND AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.

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LEVEL 02 DIMENSION PLAN

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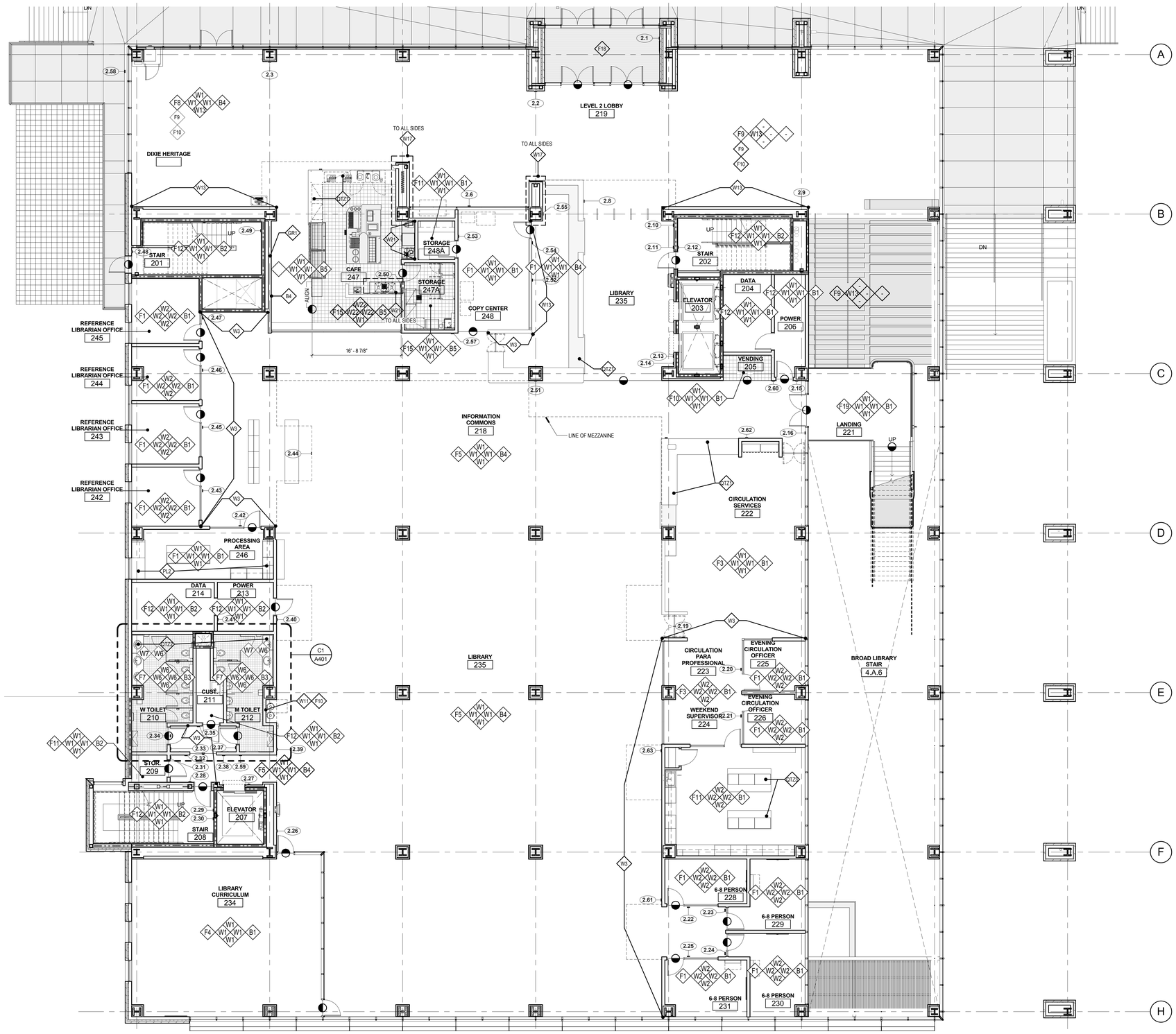

A1 LEVEL 02 FINISH PLAN

SCALE: 1/8" = 1'-0"

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GENERAL FINISH NOTES

1. PROVIDE EPOXY PAINT AT ALL RESTROOMS AND JANITOR CLOSETS.
2. ALL FLOOR TRANSITIONS TO BE LOCATED AT CENTER OF DOOR. UNO ALL FLOOR TRANSITIONS AT FLOOR TILE LOCATIONS TO BE LOCATED AT INSIDE CORNER OF DOOR.
3. ALL PAINTED STEEL BRACING AND COLUMNS TO BE PAINTED XXX, UNLESS NOTED OTHERWISE.
4. ALL GROUT JOINTS TO BE NO LARGER THAN 1/8".
5. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
6. COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.
7. SEE ELEVATION SHEETS FOR ALL WALL TILE PATTERNS.
8. AT SOFFITS RECEIVING COLOR- PAINT ALL SIDES OF SOFFIT.
9. ALL WOOD TRIM TO BE STAINED TO MATCH DOOR STAIN.
10. ALL COUNTERTOP, BACKSPLASHES, AND EDGE BANDING TO HAVE COORDINATING FINISHES.
11. PROVIDE A SMOOTH TRANSITION AT ALL FLOOR MATERIALS - CONTRACTOR TO INSTALL ALL FLOOR FINISHES AT SAME LEVEL DESPITE DIFFERENT THICKNESS. PROVIDE FLOOR TRANSITION WHERE OCCURS.
12. PROVIDE TILE XXX: 4"X4" CERAMIC WALL TILE' AT ALL JANITOR SINKS. PROVIDE TILE BULLNOSE TO FINISH OFF ALL EXPOSED EDGES.
13. ALL WALLS RECEIVING TILE WAINSCOT TO RECEIVE PAINT W1 ABOVE, UNO SEE FINISH PLANS FOR ACCENT WALL LOCATIONS.
14. SEE SHEET A580 FOR FLOORING TRANSITION DETAILS.
15. ALL HANDRAILS AND STRINGERS AT STAIRS, EXCLUDING MAIN STAIR CASE, STARTING AT LOBBY 125 TO BE PAINTED "W16" GLOSS FINISH
16. ALL HM DOOR AND FRAMES TO BE XXX.
17. ALL EXPOSED CEILINGS TO BE PAINTED. REFER TO REFLECTED CEILING PLANS.
18. AT ALL TILE WAINSCOT, SCRIBE BOTTOM TILE TO MATCH FINISH FLOOR SURFACE AND CAULK WITH BASE 'B2'.
19. AT ALL RECEPTION DESKS, USE WOOD VENEER "WV1"
20. FLOOR 1 AND 3: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" CUSTOM YELLOW TO MATCH ARCHITECT'S CONTROL SAMPLE. BACKGROUND CARPET TO BE SHAW 18"X36" LAYERED 95761.
21. FLOOR 2 AND 5: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95970 SUNDRIED. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
22. FLOOR 2M: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95675 ORANGE. BACKGROUND COLOR TO BE SHAW, 18"X36" WASHED 95106.
23. FLOOR 4: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95688 PAPRIKA. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
24. AT LEVEL ONE LOBBY 125: FLOOR FINISH PATTERN AS DETAILED ON SHEET C2/A581.
25. ALL EXPOSED BRACING TO BE PAINTED "W17" SATIN FINISH.
26. ALL BUILT IN BOOKSHELVES AND LATERAL FILES TO RECEIVE "PL1"
27. ALL BUILT IN RECEPTION DESKS TO RECEIVE "PL1"
28. ALL RECEPTION DESK WRITING SURFACES, AT 42" HIGH, TO RECEIVE "QTZ1"
29. ALL RECEPTION DESK WRITING SURFACES, AT 30", TO RECEIVE "PL2"
30. ALL WORK TABLES AT WORK ROOMS TO RECEIVE "PL1" AT CABINETRY.
31. ALL SOLID SURFACE SILLS TO RECEIVE "SS1"
32. ALL FREESTANDING FILL DRAWERS TO RECEIVE "PL1" ALL SIDED
33. ALL BUILT IN FILE DRAWERS TO RECEIVE "PL1" ALL EXPOSED SIDES
34. ALL MAILBOX SLOTS TO RECEIVE "PL1" ALL SIDES
35. ALL WRITING SURFACES AT MILLWORK WORKROOMS TO RECEIVE "PL2" UNO
36. BACKSPLASHES TO MATCH ADJACENT COUNTERTOP MATERIAL TYP.
37. ALL PLASTIC LAMINATE OR QUARTZ SURFACE CALLOUTS REFER TO COUNTERTOP SURFACE ONLY.
38. DO NOT PAINT ACCENT COLOR WHERE VINYL MARKERBOARD MATERIAL OCCURS. SEE ELEV.
39. ALL BUILT IN PENCIL DRAWERS TO RECEIVE "PL1".
40. AT BACK OF MILLWORK, WHERE PLASTIC LAMINATE IS NOTED, USE "PL1". WHERE PAINTED GYP IS NOTED, PAINT TO MATCH ADJACENT WALL. ALL STEEL ANGLES MATCH ADJACENT WALL COLOR.

FINISH PLAN SYMBOLS

WALL / FLOOR / WALL — F7 W7 W7 B4 — WALL / BASE / WALL

NOTE

SINGLE FINISH SYMBOLS INDICATE WHERE FINISHES ARE DIFFERENT FROM GENERAL ROOM FINISHES, OR PROVIDE ADDITIONAL FINISH INFORMATION

CHANGE AT FLOOR MATERIAL

XX — SIGNAGE TAG- SEE SIGNAGE SHEETS FOR DETAILS

FINISH PLAN LEGEND

WALL MATERIALS

W1	PRIMED & PAINTED WALL SURFACE- GENERAL
W2	PRIMED & PAINTED WALL SURFACE
W3	PRIMED & PAINTED WALL SURFACE
W4	PRIMED & PAINTED WALL SURFACE
W5	PRIMED & PAINTED WALL SURFACE
W6	TILE AT RESTROOMS
W7	TILE AT RESTROOMS
W8	TILE AT RESTROOMS
W9	TILE AT RESTROOMS
W10	PRIMED & PAINTED WALL SURFACE
W11	WALL TILE
W12	CEILING COLOR
W13	VENITIAN PLASTER
W14	N/A
W15	TILE
W16	PRIMED & PAINTED WALL SURFACE
W17	PRIMED & PAINTED WALL SURFACE
W18	PRIMED & PAINTED WALL SURFACE
W19	ACOUSTICAL PANELS
W20	PRIMED AND PAINTED

FLOOR MATERIALS:

F1	CARPET TILE
F2	CARPET TILE
F3	CARPET TILE
F4	CARPET TILE
F5	CARPET TILE
F6	CARPET TILE
F7	PENNY TILE
F8	PORCELAIN TILE
F9	PORCELAIN TILE
F10	PORCELAIN TILE
F11	MARMOLEUM
F12	SEALED CONCRETE
F13	CONCRETE PAVER
F14	RAISED FLOOR
F15	QUARRY TILE
F16	TRAFFIC COATING
F17	WALK OFF CARPET
F18	WALK OFF GRILLE
F19	COLORED CONCRETE
F20	COLORED CONCRETE
F21	CARPET BROADLOOM
F22	CHEMICAL RESISTANT FLOORING

BASE MATERIALS

B1	4" RUBBER BASE
B2	NO BASE- CAULK BETWEEN FLOOR AND WALL
B3	CERAMIC TILE BASE
B4	WOOD BASE
B5	TILE BASE
B6	METAL REVEAL BASE
B7	TRAFFIC COATING EXTENDED 6" UP WALL

OTHER MATERIALS

QTZ1	QUARTZ SURFACE
QTZ2	QUARTZ SURFACE
QTZ3	QUARTZ SURFACE
SS1	SOLID SURFACE AT SILLS
TP1	TOILET PARTITION
US1	URINAL SCREEN
CC1	CORNER GUARDS
WV1	WOOD VENEER
WS1	WOOD STAIN

PLASTIC LAMINATE

PL1	PLASTIC LAMINATE
PL2	PLASTIC LAMINATE
PL3	PLASTIC LAMINATE
PL4	CHEMICAL LAMINATE
TKBD1	TACKBOARD
TKBD2	TACKBOARD
TKBD3	TACKBOARD
GR1	GRAPHIC WALL

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LEVEL 02 FINISH PLAN

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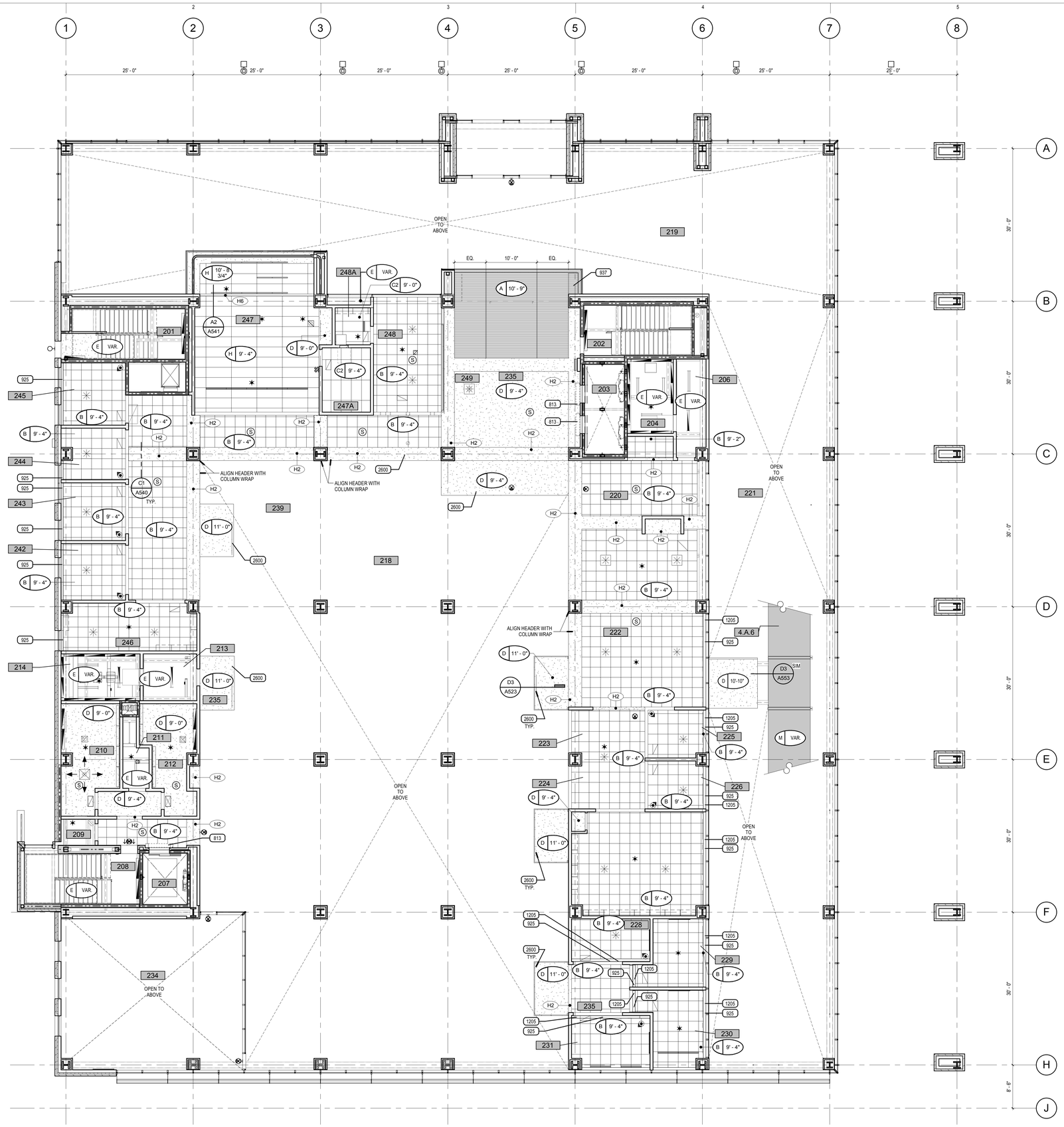

A1 LEVEL 02 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

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GENERAL CEILING NOTES

1- REFER TO DETAIL C6/A840 FOR TYPICAL CEILING SUSPENSION & SEISMIC BRACING

2- REFER TO DETAIL A6/A840 FOR TYPICAL SUSPENDED GYP. BOARD CEILINGS

3- ALL UNIDENTIFIED CEILING TYPES ON THE PLANS SHALL BE TYPE "B" AT 9'-4" A.F.F.

4- GRID SUSPENSION SYSTEMS SHALL BE CENTERED WITHIN AREAS INDICATED, UNLESS NOTED OTHERWISE

5- ALL EXPOSED STRUCTURE, MECHANICAL, DUCTS, ELECTRICAL WORK, PIPING, ETC., SHALL BE PAINTED. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR "W10" AS NOTED IN FINISH SCHEDULE AT TYPE "A" ABOVE VENTWOOD & TYPE "B" CEILING CLOUDS. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR WHITE WHERE NO CEILING EXISTS.

6- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF MECHANICAL GRILLES AND TO MECHANICAL DRAWINGS FOR QUANTITIES AND TYPES

7- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES

8- MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE WORK WITH SPRINKLER CONTRACTOR TO AVOID CONFLICTS IN FIELD. NOTE: ADDITIONAL MONIES WILL NOT BE PAID TO SUBCONTRACTORS FOR REWORK REQUIRED DUE TO LACK OF COORDINATION.

9- ALL CEILING HEIGHTS ARE ELEVATION ABOVE TOP OF FINISHED FLOOR.

10- ALL TYPE "D" CEILINGS IN RESTROOMS, LOCKER ROOMS, AND WET AREAS TO BE EPOXY PAINTED. EXTEND GYP. TO DECK WHERE EXPOSED.

11- BLACK SPRAY APPLIED INSULATION TO BE APPLIED TO THE UNDERSIDE OF DECK ABOVE ALL TYPE "A" CEILING SYSTEMS, 2" THICK.

12- ALL LAY-IN TILE CEILING CLOUDS, WHERE GRID DOES NOT MEET THE WALL OR HAS A BREAK IN THE PLANE OF THE CEILING, IS TO HAVE 4" TRIM AS PER DETAIL C1/A540 AND C5/A540. ALL EXPOSED SURFACES ABOVE PLANE OF CEILING TO BE PAINTED.

13 - EVERY WINDOW, STOREFRONT AND CURTAINWALL UNIT AT THE EXTERIOR WALLS OF THE BUILDING SHALL BE EQUIPPED WITH A ROLL-DOWN WINDOW SHADE ASSEMBLY AT THE INTERIOR OF THE UNIT. THE INTERIOR WINDOW UNITS THAT ARE TO BE EQUIPPED WITH A ROLL-DOWN SHADE ARE SPECIFICALLY CALLED OUT IN THESE CONSTRUCTION DOCUMENTS.

CEILING TYPES

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE CEILING TYPE AND HEIGHT

CEILING TYPE — X X'-X" — CEILING HEIGHT

NOTE: WHERE CEILINGS ARE NOT A CONSTANT ELEVATION "VAR" MEANING "VARIES" APPEARS IN THE CEILING HEIGHT FIELD. WHERE NO CEILING OCCURS "EXP" MEANING "EXPOSED" APPEARS IN THE CEILING HEIGHT FIELD.

A-	VENTED WOOD CEILING SYSTEM, PAINT ALL EXPOSED SURFACES ABOVE & BLACK SPRAY APPLIED INSULATION TO DECK ABOVE
B-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING
C1-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING
C2-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (VINYL COATED)
C3-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (CLEAN ROOM) PAINT ALL SURFACES OF PLENUM ABOVE
D-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, U.N.O. UTILIZE EPOXY PAINT AT RESTROOMS AND JANITOR CLOSETS
E-	EXPOSED STRUCTURE, PAINT ALL EXPOSED SURFACES PER NOTE 5 ABOVE
F-	PRE-FINISHED METAL SOFFIT PANELS OVER INFILTRATION BARRIER OVER 1/2" FIRE RETARDANT TREATED WOOD SHEATHING SUPPORTED WITH A SUSPENDED SOFFIT SYSTEM
G-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING, GROOVED
H-	METAL CEILING
J-	PRE- FINISHED EXTERIOR COMPOSITE METAL SOFFIT
K-	SUSPENDED ACOUSTICAL LAY-IN CEILING 2'-6" X 5' FIELD PANELS, 0'-6" X 5' TECHNICAL PANELS
L-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, 2 HR RATED
M-	GYP. BOARD STAIR WRAP WITH VINYL GRAPHIC. SEE STAIR SECTIONS.

HEADER LEGEND

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE HEADER HEIGHT

HEADER TYPE — XX

NOTE: AT STUD HEADERS VERTICAL 3-5/8" STUDS WITH 5/8" GYP. BOARD BOTH SIDES EXTEND FROM THE BOTTOM OF HEADER TO DECK ABOVE, UNLESS OTHERWISE DETAILED.

H1	GYP. BOARD HEADER AT 7'-0". SEE DETAIL E6/A840
H2	GYP. BOARD HEADER AT 9'-0". SEE DETAIL E6/A840
H3	GYP. BOARD HEADER AT 11'-4". SEE DETAIL E6/A840
H4	GYP. BOARD HEADER AT 11'-10". SEE DETAIL E6/A840
H5	GYP. BOARD HEADER AT 12'-0". SEE DETAIL E6/A840
H6	GYP. BOARD HEADER AT 9'-4". SEE DETAIL E6/A840

CEILING LEGEND

THE FOLLOWING SYMBOLS ARE USED ON THE REFLECTED CEILING PLAN SHEETS TO REPRESENT ELECTRICAL AND MECHANICAL DEVICES. THE REFLECTED CEILING PLANS ARE TO BE USED TO LOCATE THESE DEVICES. REFER TO THE ELECTRICAL AND MECHANICAL DRAWINGS FOR DEVICE TYPE DESCRIPTION AND QUANTITY EXCEPT FOR THE CEILING FANS. FAN TYPES AND QUANTITIES ARE TO BE TAKEN FROM THE REFLECTED CEILING PLAN SHEETS

GRAPHIC	DESCRIPTION
	FLUORESCENT LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE
	RECESSED DOWN LIGHT
	WALL WASH
	TRACK LIGHTING
	EXIT SIGN, SINGLE-SIDED
	EXIT SIGN, DOUBLE-SIDED
	FIRE ALARM
	SPEAKER
	SMOKE DETECTOR
	LINEAR DIFFUSER
	HVAC DIFFUSER, RETURN GRILLE, VENTILATION GRILLE
	OCCUPANCY SENSOR

KEYED NOTES

813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM. SEE DETAIL C2/A541
925 EXTRUDED ALUMINUM CEILING PERIMETER SHADE POCKET, SEE DETAIL D3/A540
937 REMOVABLE ACCESS PORTION OF WOOD LOUVER SUSPENDED CEILING SYSTEM. SEE DETAIL X/XX. COORDINATE LOCATION AND SIZE WITH MECHANICAL CONTRACTOR
1205 ROLLER WINDOW SHADES
2600 LIGHT FIXTURE

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LEVEL 02 REFLECTED CEILING PLAN

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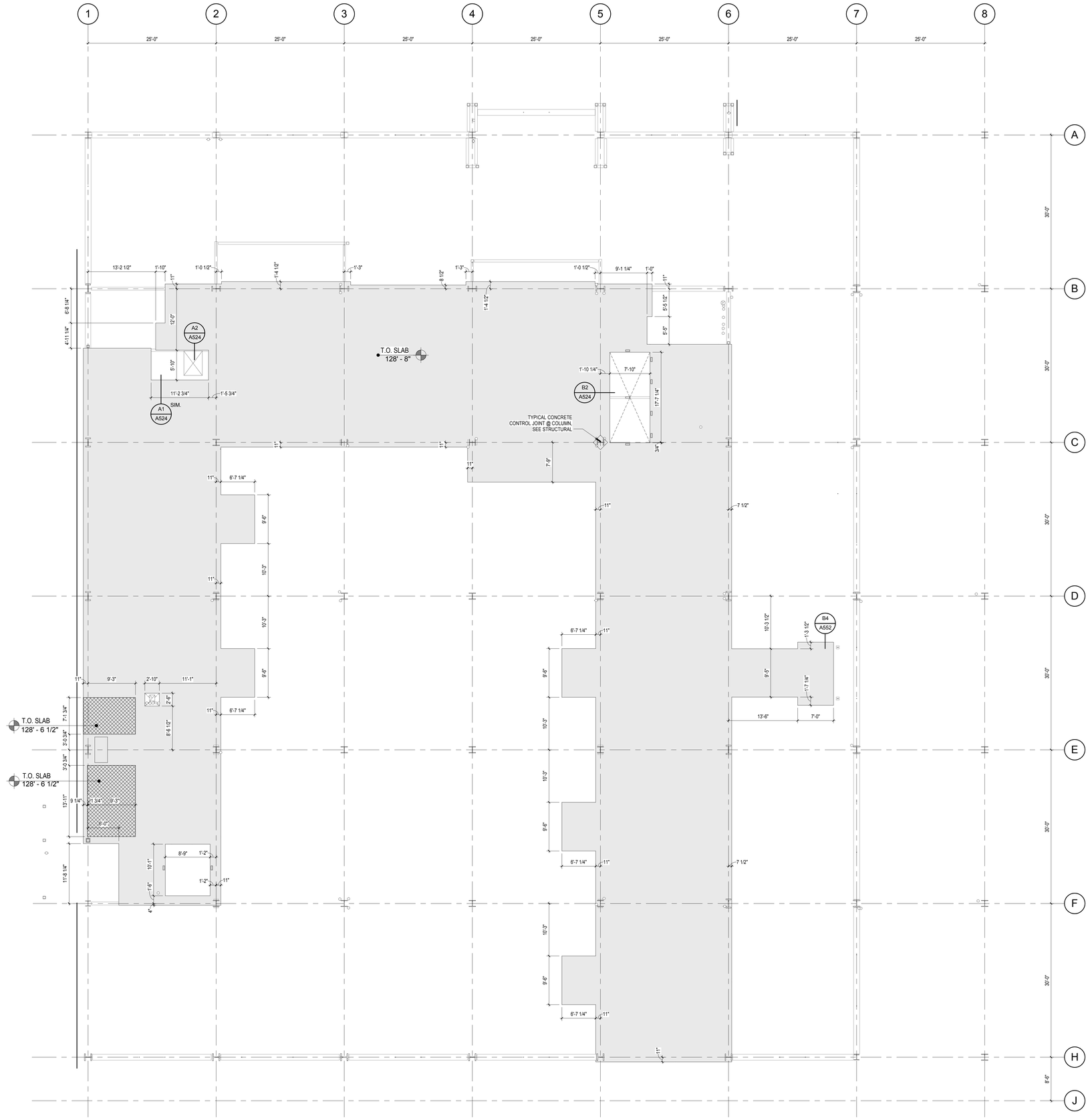

A1 LEVEL 02M SLAB EDGE PLAN

SCALE: 1/8" = 1'-0"

SLAB EDGE LEGEND

THE FOLLOWING PATTERNS ARE USED ON THE FLOOR SLAB EDGE PLAN SHEETS TO REPRESENT THE CONCRETE STRUCTURAL FLOOR SLAB AND ANY RECESSES IN THE SURFACE OF THAT SLAB

- 6 1/2" STRUCTURAL CONCRETE FLOOR SLAB
- 2" RECESS FOR WALK OFF MAT SYSTEM; VERIFY WITH MANUFACTURER
- 1 1/2" RECESS FOR THICK SET TILE

KEYED NOTES

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LEVEL 02 MEZZANINE FLOOR SLAB EDGE PLAN

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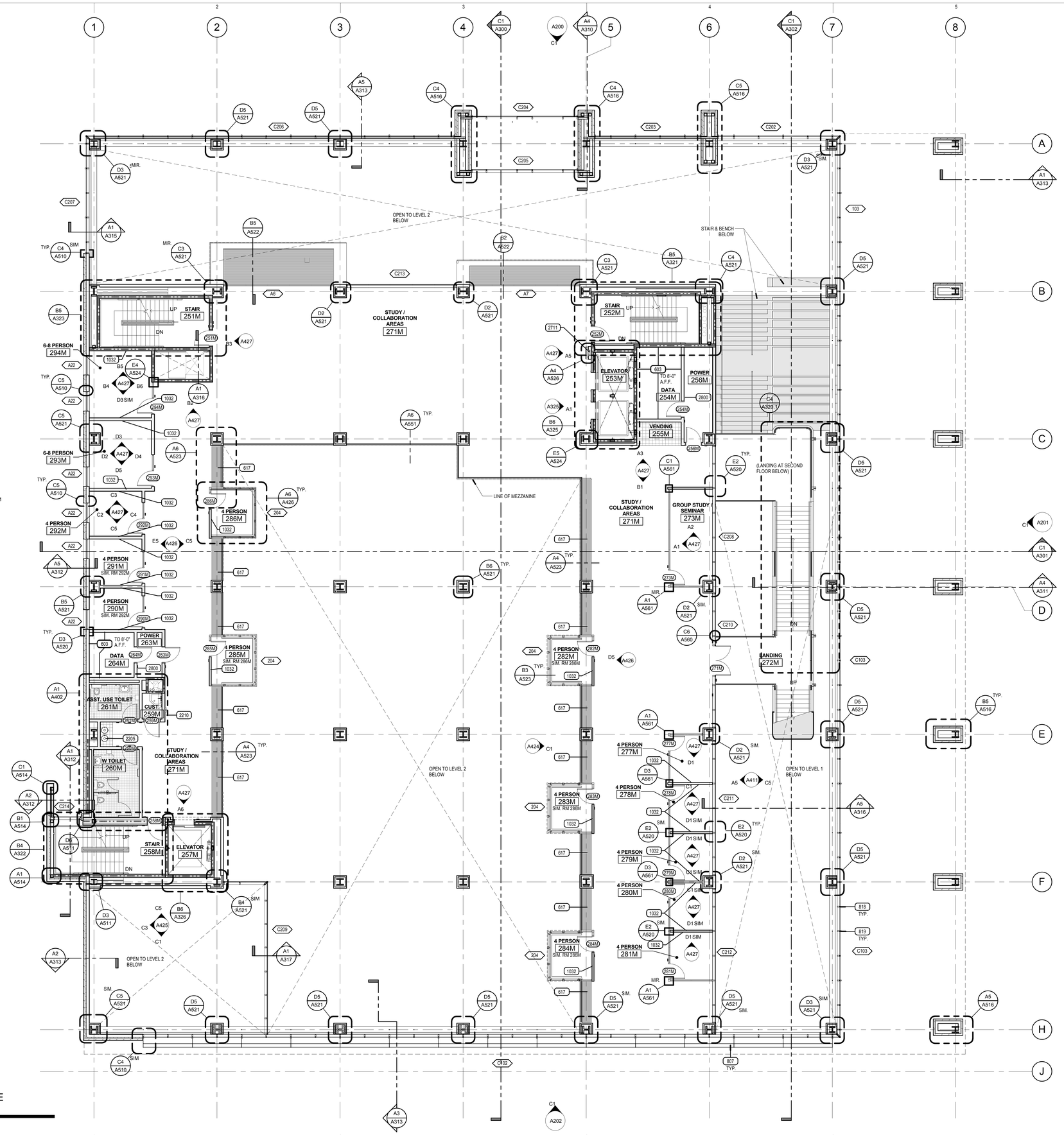

LEVEL 02 MEZZANINE ANNOTATED PLAN

A1

SCALE: 1/8" = 1'-0"

PLAN NOTES

1. WHERE FLOOR DRAINS ARE INSTALLED THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT TO EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.
2. WHERE CONCRETE PADS ARE CALLED TO BE CONSTRUCTED UNDER EQUIPMENT THE SLAB IS TO BE 8" THICK, UNO, AND IS TO HAVE #4 BARS AT 18" O.C. EACH WAY. COORDINATE DIMENSIONS OF PAD WITH ACTUAL EQUIPMENT SPEC
3. SEE SHEET A580 FOR TYPICAL FLOORING TRANSITION DETAILS.
4. THE CONTRACTOR IS TO ENSURE THAT BETWEEN ANY FINISH FLOOR ELEVATION TO 34" A.F.F. ALL GUARDRAILS ARE TO BE CONSTRUCTED AND INSTALLED SO THAT A 4" SPHERE WILL NOT PASS BETWEEN ANY TWO ADJACENT GUARDRAIL COMPONENTS OR BETWEEN THE EDGE OF A GUARDRAIL AND ALL ADJACENT BUILDING ELEMENT SUCH AS A WALL OR FLOOR. AN 8" DIAMETER SPHERE IS NOT TO PASS BETWEEN THE ABOVE MENTIONED COMPONENTS AND ELEMENTS FROM AN ELEVATION 34" A.F.F. AND HIGHER.
5. SEE DETAIL C3/A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS

ROOM TAG LEGEND

THE ROOM TAG IS USED TO GIVE A ROOM NAME, ROOM NUMBER, AND WHERE APPLICABLE TO REFER TO A SIMILAR ROOM TO FIND INTERIOR ELEVATION INFORMATION

SECRETARIAL OFFICE — NAME OF ROOM
193 — ROOM NUMBER
SIM. RM 185 — ROOM NUMBER TO REFERENCE FOR INTERIOR ELEVATION INFORMATION

IN THE EXAMPLE ABOVE YOU WOULD REFER TO ROOM 185 TO SEE INTERIOR ELEVATION INFORMATION FOR ROOM 193

KEYED NOTES

603 3/4" FIRE TREATED PLYWOOD BACKING @ PANELS
617 COUNTERTOP, SEE DETAIL A4/A523
807 HORIZONTAL LOUVER SYSTEM, SEE SHEET A562
818 STANDARD CURTIAN WALL CAP JOINT
819 DEEP CURTIAN WALL CAP JOINT
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1104 VENDING MACHINE, NIC
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2210 ELECTRIC WATER BOTTLE FILLER UNIT (SHARES REMOTE CHILLER WITH ADJACENT ELECTRIC WATER COOLER)
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2800 ACCESS CONTROL

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LEVEL 02 MEZZANINE ANNOTATED PLAN

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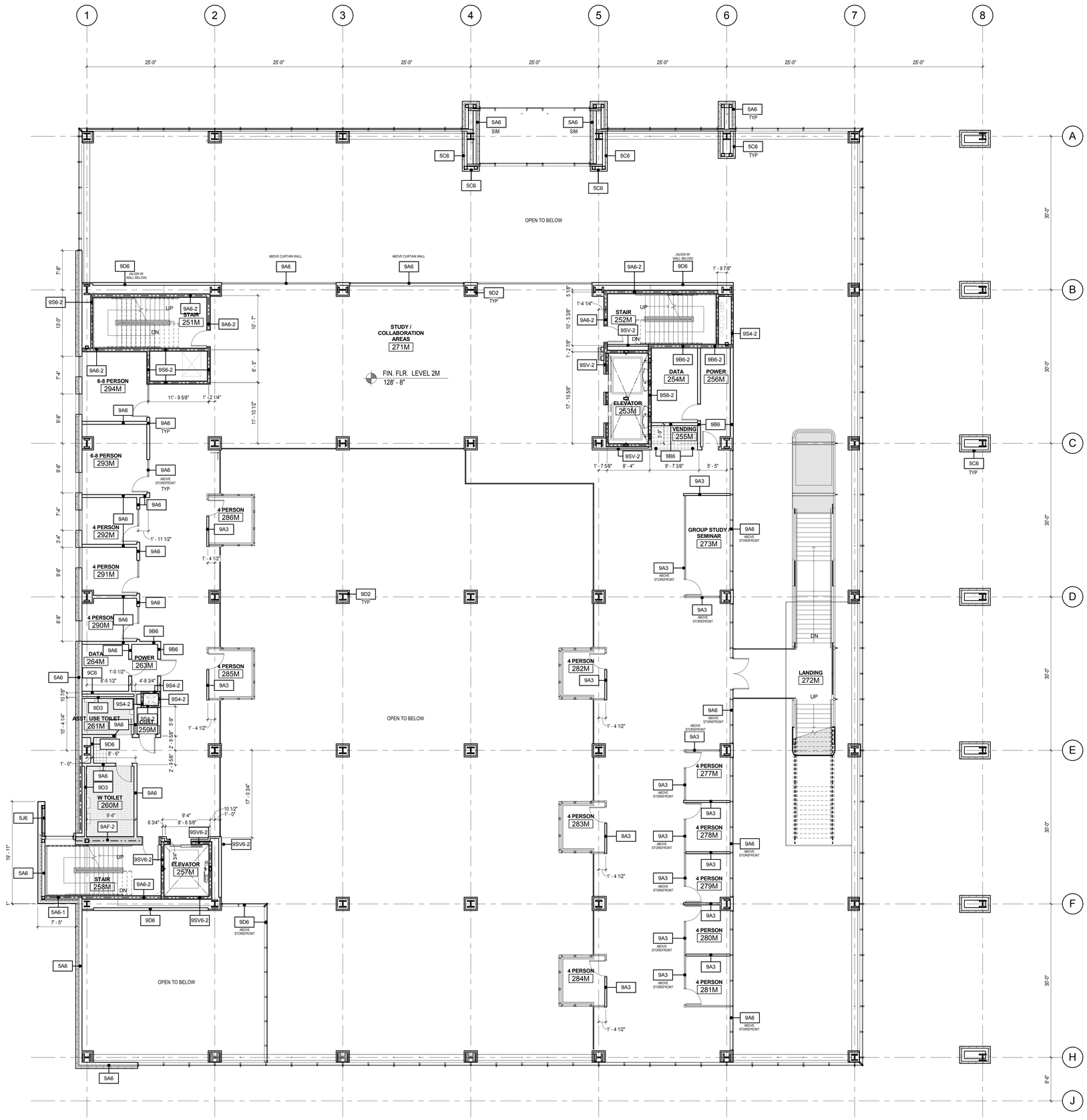

A1 LEVEL 02 MEZZANINE DIMENSION PLAN

SCALE: 1/8" = 1'-0"

DIMENSION NOTES

1. ALL DIMENSIONS ARE TO CENTER OF STUD WALL OR FACE OF CONCRETE, MASONRY OR ROUGH OPENING UNLESS NOTED OTHERWISE. WHERE THE END OF A WALL IS INDICATED THE DIMENSION IS TO THE FINISH SURFACE OF THE WALL END.
2. UNLESS DIMENSIONED OTHERWISE, THE DIMENSION FROM THE BUCK OF A DOOR FRAME IS TO BE 4" TO THE WALL CORNER.
3. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED.
4. ALL WALLS TO BE TYPE 9A6 UNLESS NOTED, OTHERWISE. SEE SHEETS A500 AND A501 FOR WALL TYPES AND NOTES.
5. ALL COLUMN WRAPS ARE TO BE CONSTRUCTED PER DETAIL A5/A521, UNLESS NOTED OTHERWISE.

PARTITION AND FRAMING GENERAL NOTES

1. PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE THE FINISH SHEETS AND INTERIOR ELEVATIONS FOR WALL FINISHES INCLUDING TILE COURSING AND LAYOUT AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
2. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.
3. PROVIDE **FIRE RATED CONSTRUCTION ASSEMBLIES** WHERE INDICATED ON SHEETS G100's AND FLOOR PLAN DRAWINGS.
4. ALL **FIRE RATED WALLS** SHOWN **WITH A SECOND WALL** IN FRONT OF IT SHALL BE COMPLETELY FINISHED AND TAPED PRIOR TO THE SECOND STUD WALL BEING ERECTED.
5. **SEE STRUCTURAL** DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS.
6. ALL **EXTERIOR STUD WALLS** TO HAVE CONTINUOUS INSULATION, AIR AND MOISTURE INFILTRATION BARRIER FOR THE FULL HEIGHT AND LENGTH OF THE WALL, SEAL ALL PENETRATIONS. SEE DETAIL AT C1/A513 FOR TYPICAL TOP OF WALL CONDITION.
7. ALL EXTERIOR STUD WALLS ARE TO BE PROVIDED UNDER DIVISION 05 AND SIZED BY THE CONTRACTOR'S ENGINEER AS CALLED FOR IN THE SPECIFICATIONS.
8. THE AIR AND MOISTURE INFILTRATION BARRIER IS TO WRAP INTO ALL WINDOW AND DOOR OPENINGS.
9. **SEE EXTERIOR ELEVATIONS** FOR COURSING, MASONRY TYPES AND METAL PANEL ORIENTATION PER A2 ELEVATION SHEETS.
10. SEE THE A2 ELEVATION SHEETS FOR LOCATION OF **MASONRY STONE CONTROL JOINTS**. IF NOT OTHERWISE NOTED, LOCATE CONTROL JOINTS AT CORNER ABOVE DOORS, INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE BUT ARE **NOT TO EXCEED 30' OC. CONSULT WITH ARCHITECT PRIOR TO INSTALLING PER DETAIL A2/ A511.**
11. **PROTECTION OF MASONRY AND GFRC:** DURING CONSTRUCTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK, EXCEPT WHEN THE AMBIENT TEMPERATURE IS EXPECTED TO REMAIN ABOVE 65 DEG F AND NO PRECIPITATION IS FORECAST FOR THE NEXT 24 HOURS. (THIS IS TO PREVENT CONDENSATION FROM COVERED WALLS CAUSING A MOISTURE PROBLEM.) COVER PARTIALLY COMPLETED MASONRY EACH DAY THAT CONSTRUCTION IS NOT IN PROGRESS. WALLS ARE TO BE PROTECTED UNTIL THEY ARE PERMANENTLY PROTECTED BY THE ROOFING MEMBRANE OVER THE CAP PLATE. THE GENERAL CONTRACTOR IS TO PROVIDE TEMPORARY PROTECTION IMMEDIATELY FOLLOWING THE TOPPING OUT OF EACH SECTION OF WALL BY INSTALLING WATERPROOF SHEETING OVER A CONTINUOUS CAP PLATE UNTIL THE ROOFING MEMBRANE IS INSTALLED.
12. AT ALL **INTERIOR WALLS**: STUDS, INSULATION AND GYPSUM BOARD ARE TO EXTEND TO THE DECK ABOVE UNLESS NOTED OTHERWISE.
13. WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT ROOMS WITH WALL TYPE 9A6 BEING THE TYPICAL INTERIOR WALL. SEE SHEETS FOR FINISHES, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
14. ALL INTERIOR METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND ARE TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET. THICKNESS TO MATCH STUD DEPTH, UNLESS NOTED OTHERWISE.
15. REFER TO SHEET A520 FOR TYPICAL INTERIOR WALL CONDITIONS ASSOCIATED WITH ALL METAL STUD PARTITIONS.
16. PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. **CONSULT WITH ARCHITECT PRIOR TO COMMENCING FRAMING.** INSTALL PER DETAILS A2 AND A3/ A520 FOR CONTROL JOINTS.
17. AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, ETC., GYPSUM BOARD IS TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE GAP BETWEEN THE OBJECT AND THE WALL IS TO BE SEALED W/ ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT AT ALL SIDES. MAXIMUM. THE OPENING FOR DUCTS OR LARGE PENETRATIONS SHALL BE FRAMED WITH A HEADER, ADD AN ANGLED CORNER BRACE IF THE GAP EXCEEDS 3" FROM FRAMING TO THE OPENING. INSTALL PER A RATED SYSTEM IF AT A RATED WALL. CONTRACTOR TO PROVIDE BLOCKING / BACKING FOR ALL WALL MOUNTED EQUIPMENT. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR CABINETS, GRAB BARS ETC. INSTALL BLOCKING AS DETAILED OR AS REQUIRED TO MOUNT SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED. INSTALL PER SHEET A510.
19. SEE DETAIL B3/ A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS.
20. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:
    a. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE.
    b. USE 16" OC MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING IF ALLOWED IN THESE DOCUMENTS.
    c. USE STUDS OF GAGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAGE TESTED, 20 GA (30 MILS) IS THE MINIMUM ALLOWED IN THESE DOCUMENTS.
    d. USE STUDS OF DEPTH INDICATED BY THIS SET OF DOCUMENTS. THE DEPTH STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH TESTED DEPTH ALLOWED IN THESE DOCUMENTS. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS.
20. INSTALL ONE LAYER OF 5/8" GLASS MAT TILE BACKER BOARD IN LIEU OF GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION WHERE THERE IS NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED PARTITIONS AT THE FOLLOWING LOCATIONS:
    a. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS.
    b. WHERE CERAMIC TILE FINISHES ARE INDICATED PER THE FINISH PLANS AND/ OR INTERIOR ELEVATIONS.
    c. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.
21. **WHERE THERE IS LIMITED WATER EXPOSURE:** INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD PER ASTM C1396 (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS:
    a. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SINKS
    b. AT OTHER LOCATIONS, I.E. TOILET ROOMS AND KITCHENS, AND AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.

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LEVEL 02 MEZZANINE DIMENSION PLAN

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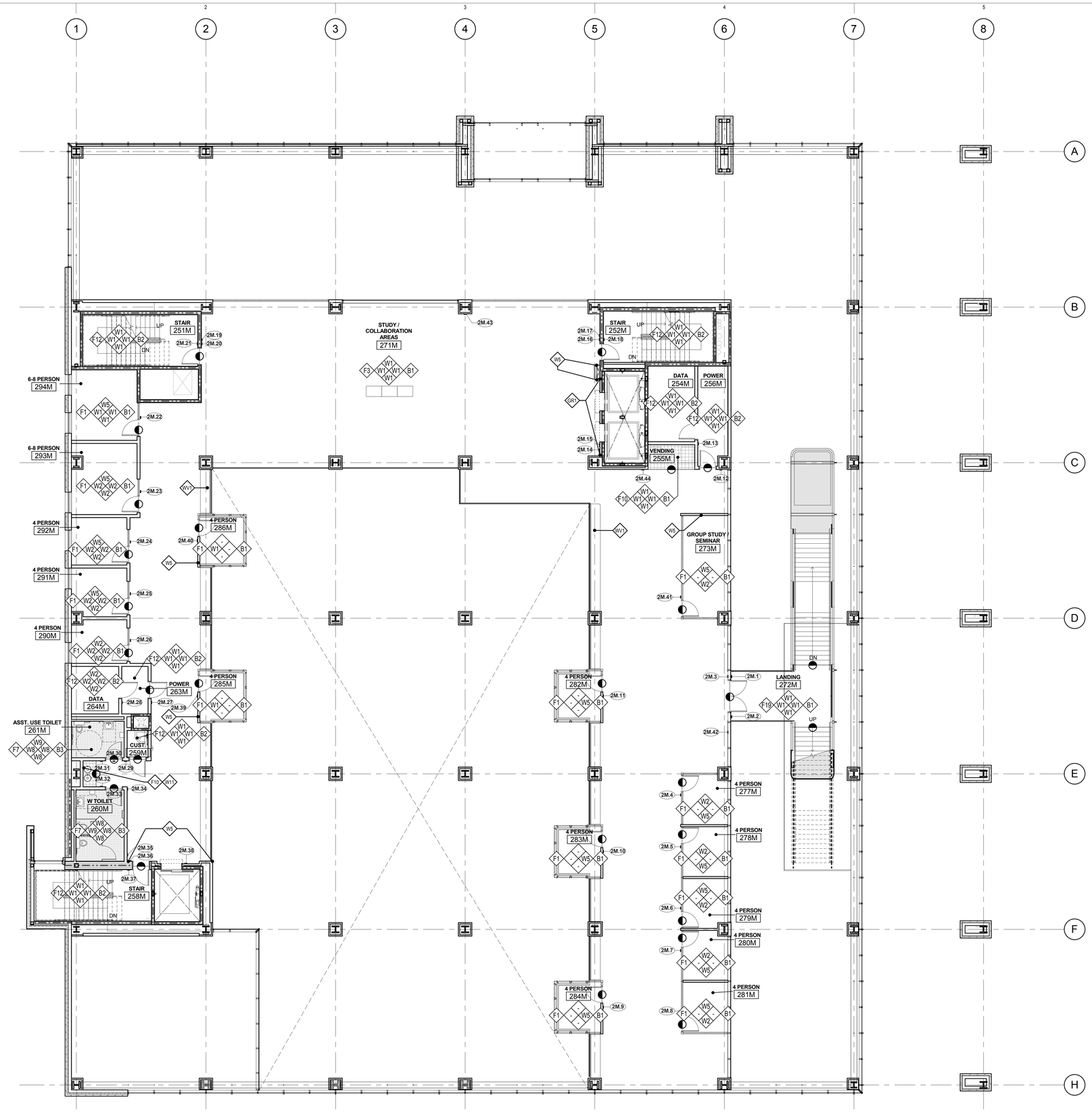

A1 LEVEL 02 MEZZANINE FINISH PLAN

SCALE: 1/8" = 1'-0"

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GENERAL FINISH NOTES

1. PROVIDE EPOXY PAINT AT ALL RESTROOMS AND JANITOR CLOSETS.
2. ALL FLOOR TRANSITIONS TO BE LOCATED AT CENTER OF DOOR, UNO ALL FLOOR TRANSITIONS AT FLOOR TILE LOCATIONS TO BE LOCATED AT INSIDE CORNER OF DOOR.
3. ALL PAINTED STEEL BRACING AND COLUMNS TO BE PAINTED XXX, UNLESS NOTED OTHERWISE.
4. ALL GROUT JOINTS TO BE NO LARGER THAN 1/8".
5. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
6. COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.
7. SEE ELEVATION SHEETS FOR ALL WALL TILE PATTERNS.
8. AT SOFFITS RECEIVING COLOR- PAINT ALL SIDES OF SOFFIT.
9. ALL WOOD TRIM TO BE STAINED TO MATCH DOOR STAIN.
10. ALL COUNTERTOP, BACKSPLASHES, AND EDGE BANDING TO HAVE COORDINATING FINISHES.
11. PROVIDE A SMOOTH TRANSITION AT ALL FLOOR MATERIALS - CONTRACTOR TO INSTALL ALL FLOOR FINISHES AT SAME LEVEL, DESPITE DIFFERENT THICKNESS. PROVIDE FLOOR TRANSITION WHERE OCCURS.
12. PROVIDE TILE XXX: 4"X4" CERAMIC WALL TILE' AT ALL JANITOR SINKS. PROVIDE TILE BULLNOSE TO FINISH OFF ALL EXPOSED EDGES.
13. ALL WALLS RECEIVING TILE WAINSCOT TO RECEIVE PAINT W1 ABOVE, UNO SEE FINISH PLANS FOR ACCENT WALL LOCATIONS.
14. SEE SHEET A580 FOR FLOORING TRANSITION DETAILS.
15. ALL HANDRAILS AND STRINGERS AT STAIRS, EXCLUDING MAIN STAIR CASE, STARTING AT LOBBY 125 TO BE PAINTED "W16" GLOSS FINISH
16. ALL HM DOOR AND FRAMES TO BE XXX.
17. ALL EXPOSED CEILINGS TO BE PAINTED. REFER TO REFLECTED CEILING PLANS.
18. AT ALL TILE WAINSCOT, SCRIBE BOTTOM TILE TO MATCH FINISH FLOOR SURFACE AND CAULK WITH BASE 'B2'.
19. AT ALL RECEPTION DESKS, USE WOOD VENEER "WV1"
20. FLOOR 1 AND 3: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" CUSTOM YELLOW TO MATCH ARCHITECT'S CONTROL SAMPLE. BACKGROUND CARPET TO BE SHAW 18"X36" LAYERED 95761.
21. FLOOR 2 AND 5: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95870 SUNDRIED. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
22. FLOOR 2M: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95675 ORANGE. BACKGROUND COLOR TO BE SHAW, 18"X36" WASHED 95106.
23. FLOOR 4: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95688 PAPRIKA. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
24. AT LEVEL ONE LOBBY 125: FLOOR FINISH PATTERN AS DETAILED ON SHEET C2/A581.
25. ALL EXPOSED BRACING TO BE PAINTED "W17" SATIN FINISH.
26. ALL BUILT IN BOOKSHELVES AND LATERAL FILES TO RECEIVE "PL1"
27. ALL BUILT IN RECEPTION DESKS TO RECEIVE "PL1"
28. ALL RECEPTION DESK WRITING SURFACES, AT 42" HIGH, TO RECEIVE "QTZ1"
29. ALL RECEPTION DESK WRITING SURFACES, AT 30", TO RECEIVE "PL2"
30. ALL WORK TABLES AT WORK ROOMS TO RECEIVE "PL1" AT CABINETRY.
31. ALL SOLID SURFACE SILLS TO RECEIVE "SS1"
32. ALL FREESTANDING FILL DRAWERS TO RECEIVE "PL1" ALL SIDED
33. ALL BUILT IN FILE DRAWERS TO RECEIVE "PL1" ALL EXPOSED SIDES
34. ALL MAILBOX SLOTS TO RECEIVE "PL1" ALL SIDES
35. ALL WRITING SURFACES AT MILLWORK WORKROOMS TO RECEIVE "PL2" UNO
36. BACKSPLASHES TO MATCH ADJACENT COUNTERTOP MATERIAL TYP.
37. ALL PLASTIC LAMINATE OR QUARTZ SURFACE CALLOUTS REFER TO COUNTERTOP SURFACE ONLY.
38. DO NOT PAINT ACCENT COLOR WHERE VINYL MARKERBOARD MATERIAL OCCURS. SEE ELEV.
39. ALL BUILT IN PENCIL DRAWERS TO RECEIVE "PL1".
40. AT BACK OF MILLWORK, WHERE PLASTIC LAMINATE IS NOTED, USE "PL1". WHERE PAINTED GYP IS NOTED, PAINT TO MATCH ADJACENT WALL. ALL STEEL ANGLES MATCH ADJACENT WALL COLOR.

FINISH PLAN SYMBOLS

WALL / FLOOR / WALL — F7 W2 W1 B2 — WALL / BASE / WALL

NOTE

SINGLE FINISH SYMBOLS INDICATE WHERE FINISHES ARE DIFFERENT FROM GENERAL ROOM FINISHES, OR PROVIDE ADDITIONAL FINISH INFORMATION

CHANGE AT FLOOR MATERIAL

XX — SIGNAGE TAG- SEE SIGNAGE SHEETS FOR DETAILS

FINISH PLAN LEGEND

WALL MATERIALS

W1	PRIMED & PAINTED WALL SURFACE-GENERAL
W2	PRIMED & PAINTED WALL SURFACE
W3	PRIMED & PAINTED WALL SURFACE
W4	PRIMED & PAINTED WALL SURFACE
W5	PRIMED & PAINTED WALL SURFACE
W6	TILE AT RESTROOMS
W7	TILE AT RESTROOMS
W8	TILE AT RESTROOMS
W9	TILE AT RESTROOMS
W10	PRIMED & PAINTED WALL SURFACE
W11	WALL TILE
W12	CEILING COLOR
W13	VENITIAN PLASTER
W14	N/A
W15	TILE
W16	PRIMED & PAINTED WALL SURFACE
W17	PRIMED & PAINTED WALL SURFACE
W18	PRIMED & PAINTED WALL SURFACE
W19	ACOUSTICAL PANELS
W20	PRIMED AND PAINTED

FLOOR MATERIALS.

F1	CARPET TILE
F2	CARPET TILE
F3	CARPET TILE
F4	CARPET TILE
F5	CARPET TILE
F6	CARPET TILE
F7	PENNY TILE
F8	PORCELAIN TILE
F9	PORCELAIN TILE
F10	PORCELAIN TILE
F11	MARMOLEUM
F12	SEALED CONCRETE
F13	CONCRETE PAVER
F14	RAISED FLOOR
F15	QUARRY TILE
F16	TRAFFIC COATING
F17	WALK OFF CARPET
F18	WALK OFF GRILLE
F19	COLORED CONCRETE
F20	COLORED CONCRETE
F21	CARPET BROADLOOM
F22	CHEMICAL RESISTANT FLOORING

BASE MATERIALS

B1	4" RUBBER BASE
B2	NO BASE- CAULK BETWEEN FLOOR AND WALL
B3	CERAMIC TILE BASE
B4	WOOD BASE
B5	TILE BASE
B6	METAL REVEAL BASE
B7	TRAFFIC COATING EXTENDED 6" UP WALL

OTHER MATERIALS

QTZ1	QUARTZ SURFACE
QTZ2	QUARTZ SURFACE
QTZ3	QUARTZ SURFACE
SS1	SOLID SURFACE AT SILLS
TP1	TOILET PARTITION
US1	URINAL SCREEN
CG1	CORNER GUARDS
WV1	WOOD VENEER
WS1	WOOD STAIN

PLASTIC LAMINATE

PL1	PLASTIC LAMINATE
PL2	PLASTIC LAMINATE
PL3	PLASTIC LAMINATE
PL4	CHEMICAL LAMINATE
TKBD1	TACKBOARD
TKBD2	TACKBOARD
TKBD3	TACKBOARD
GR1	GRAPHIC WALL

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LEVEL 02 MEZZANINE FINISH PLAN

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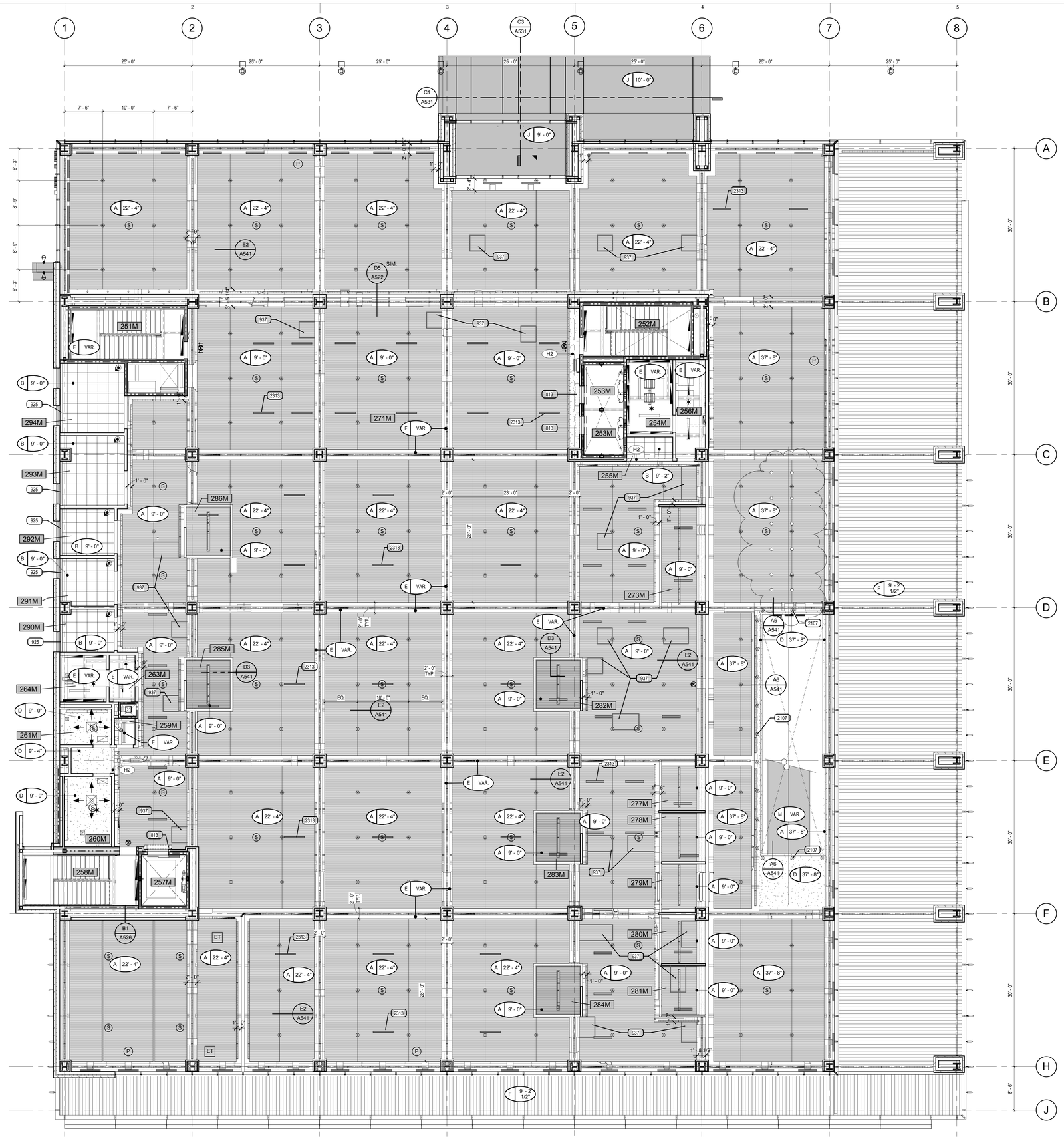

A1 LEVEL 02M REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

GENERAL CEILING NOTES

1- REFER TO DETAIL C6/A840 FOR TYPICAL CEILING SUSPENSION & SEISMIC BRACING

2- REFER TO DETAIL A6/A840 FOR TYPICAL SUSPENDED GYP. BOARD CEILINGS

3- ALL UNIDENTIFIED CEILING TYPES ON THE PLANS SHALL BE TYPE "B" AT 9'-4" A.F.F.

4- GRID SUSPENSION SYSTEMS SHALL BE CENTERED WITHIN AREAS INDICATED, UNLESS NOTED OTHERWISE

5- ALL EXPOSED STRUCTURE, MECHANICAL, DUCTS, ELECTRICAL WORK, PIPING, ETC. SHALL BE PAINTED. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR "W10" AS NOTED IN FINISH SCHEDULE AT TYPE "A" ABOVE VENTWOOD & TYPE "B" CEILING CLOUDS. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR WHITE WHERE NO CEILING EXISTS.

6- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF MECHANICAL GRILLES AND TO MECHANICAL DRAWINGS FOR QUANTITIES AND TYPES

7- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES

8- MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE WORK WITH SPRINKLER CONTRACTOR TO AVOID CONFLICTS IN FIELD. NOTE: ADDITIONAL MONIES WILL NOT BE PAID TO SUBCONTRACTORS FOR REWORK REQUIRED DUE TO LACK OF COORDINATION.

9- ALL CEILING HEIGHTS ARE ELEVATION ABOVE TOP OF FINISHED FLOOR.

10- ALL TYPE "D" CEILINGS IN RESTROOMS, LOCKER ROOMS, AND WET AREAS TO BE EPOXY PAINTED. EXTEND GYP. TO DECK WHERE EXPOSED.

11- BLACK SPRAY APPLIED INSULATION TO BE APPLIED TO THE UNDERSIDE OF DECK ABOVE ALL TYPE "A" CEILING SYSTEMS, 2" THICK.

12- ALL LAY-IN TILE CEILING CLOUDS, WHERE GRID DOES NOT MEET THE WALL OR HAS A BREAK IN THE PLANE OF THE CEILING, IS TO HAVE 4" TRIM AS PER DETAIL C1/A540 AND C5/A540. ALL EXPOSED SURFACES ABOVE PLANE OF CEILING TO BE PAINTED.

13 - EVERY WINDOW, STOREFRONT AND CURTAINWALL UNIT AT THE EXTERIOR WALLS OF THE BUILDING SHALL BE EQUIPPED WITH A ROLL-DOWN WINDOW SHADE ASSEMBLY AT THE INTERIOR OF THE UNIT. THE INTERIOR WINDOW UNITS THAT ARE TO BE EQUIPPED WITH A ROLL-DOWN SHADE ARE SPECIFICALLY CALLED OUT IN THESE CONSTRUCTION DOCUMENTS.

CEILING TYPES

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE CEILING TYPE AND HEIGHT

CEILING TYPE — X X:X" — CEILING HEIGHT

NOTE: WHERE CEILINGS ARE NOT A CONSTANT ELEVATION "VAR" MEANING "VARIES" APPEARS IN THE CEILING HEIGHT FIELD. WHERE NO CEILING OCCURS "EXP" MEANING "EXPOSED" APPEARS IN THE CEILING HEIGHT FIELD.

A-	VENTED WOOD CEILING SYSTEM, PAINT ALL EXPOSED SURFACES ABOVE & BLACK SPRAY APPLIED INSULATION TO DECK ABOVE
B-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING
C1-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING
C2-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (VINYL COATED)
C3-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (CLEAN ROOM) PAINT ALL SURFACES OF PLENUM ABOVE
D-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, U.N.O. UTILIZE EPOXY PAINT AT RESTROOMS AND JANITOR CLOSETS
E-	EXPOSED STRUCTURE, PAINT ALL EXPOSED SURFACES PER NOTE 5 ABOVE
F-	PRE-FINISHED METAL SOFFIT PANELS OVER INFILTRATION BARRIER OVER 1/2" FIRE RETARDANT TREATED WOOD SHEATHING SUPPORTED WITH A SUSPENDED SOFFIT SYSTEM
G-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING, GROOVED
H-	METAL CEILING
J-	PRE- FINISHED EXTERIOR COMPOSITE METAL SOFFIT
K-	SUSPENDED ACOUSTICAL LAY-IN CEILING 2'-6" X 5' FIELD PANELS, 0'-6" X 5' TECHNICAL PANELS
L-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, 2 HR RATED
M-	GYP. BOARD STAIR WRAP WITH VINYL GRAPHIC. SEE STAIR SECTIONS.

HEADER LEGEND

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE HEADER HEIGHT

HEADER TYPE — XX

NOTE: AT STUD HEADERS VERTICAL 3-5/8" STUDS WITH 5/8" GYP. BOARD BOTH SIDES EXTEND FROM THE BOTTOM OF HEADER TO DECK ABOVE, UNLESS OTHERWISE DETAILED.

H1	GYP. BOARD HEADER AT 7'-0". SEE DETAIL E6/A840
H2	GYP. BOARD HEADER AT 9'-0". SEE DETAIL E6/A840
H3	GYP. BOARD HEADER AT 11'-4". SEE DETAIL E6/A840
H4	GYP. BOARD HEADER AT 11'-10". SEE DETAIL E6/A840
H5	GYP. BOARD HEADER AT 12'-0". SEE DETAIL E6/A840
H6	GYP. BOARD HEADER AT 9'-4". SEE DETAIL E6/A840

CEILING LEGEND

THE FOLLOWING SYMBOLS ARE USED ON THE REFLECTED CEILING PLAN SHEETS TO REPRESENT ELECTRICAL AND MECHANICAL DEVICES. THE REFLECTED CEILING PLANS ARE TO BE USED TO LOCATE THESE DEVICES. REFER TO THE ELECTRICAL AND MECHANICAL DRAWINGS FOR DEVICE TYPE DESCRIPTION AND QUANTITY EXCEPT FOR THE CEILING FANS. FAN TYPES AND QUANTITIES ARE TO BE TAKEN FROM THE REFLECTED CEILING PLAN SHEETS

GRAPHIC	DESCRIPTION
	FLUORESCENT LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE
	RECESSED DOWN LIGHT
	WALL WASH
	TRACK LIGHTING
	EXIT SIGN, SINGLE-SIDED
	EXIT SIGN, DOUBLE-SIDED
	FIRE ALARM
	SPEAKER
	SMOKE DETECTOR
	LINEAR DIFFUSER
	HVAC DIFFUSER, RETURN GRILLE, VENTILATION GRILLE
	OCCUPANCY SENSOR

KEYED NOTES

813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM. SEE DETAIL C2/A541

925 EXTRUDED ALUMINUM CEILING PERIMETER SHADE POCKET, SEE DETAIL D3/A540

937 REMOVABLE ACCESS PORTION OF WOOD LOUVER SUSPENDED CEILING SYSTEM. SEE DETAIL XXX. COORDINATE LOCATION AND SIZE WITH MECHANICAL CONTRACTOR

2107 SPRINKLER HEAD 6" FROM SMOKE DRAFT CURTIAN SYSTEM, 6'-0" OC MAX.

2313 MECHANICAL LOUVER, ABOVE CEILING

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DFCM #06297640
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1	Revision 1	Date 1

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LEVEL 02 MEZZANINE REFLECTED CEILING PLAN

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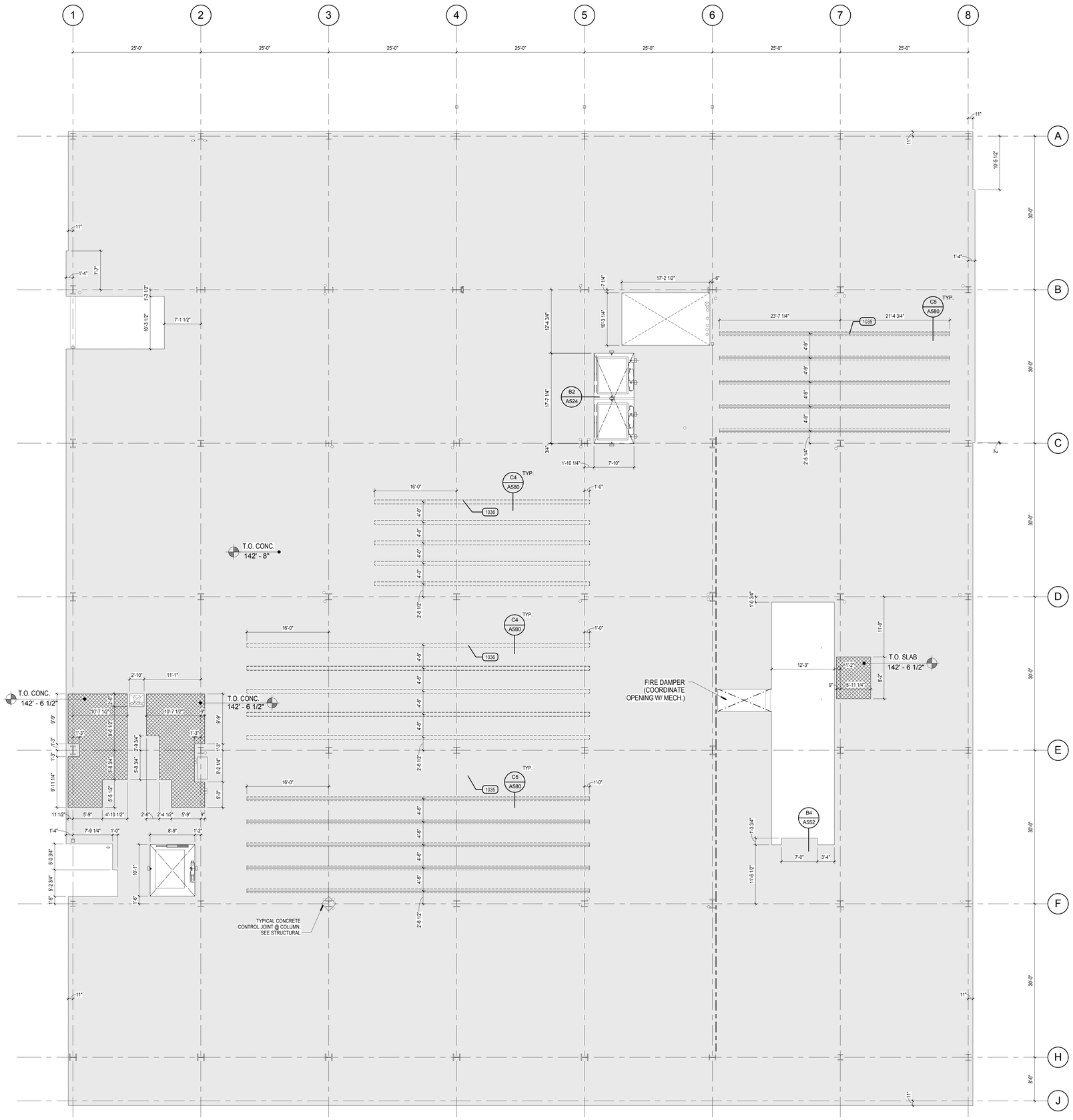

SLAB EDGE LEGEND

THE FOLLOWING PATTERNS ARE USED ON THE FLOOR SLAB EDGE PLAN SHEETS TO REPRESENT THE CONCRETE STRUCTURAL FLOOR SLAB AND ANY RECESSES IN THE SURFACE OF THAT SLAB

- 6 1/2" STRUCTURAL CONCRETE FLOOR SLAB
- 2" RECESS FOR WALK OFF MAT SYSTEM, VERIFY WITH MANUFACTURER
- 1 1/2" RECESS FOR THICK SET TILE

KEYED NOTES

1035 COMPACT SHELVING SYSTEM FLOOR RAIL
1036 COMPACT SHELVING SYSTEM TROUGH & BLOCKING FOR FUTURE FLOOR RAIL

A1 LEVEL 03 SLAB EDGE PLAN

SCALE: 1/8" = 1'-0"

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LEVEL 03 SLAB EDGE PLAN

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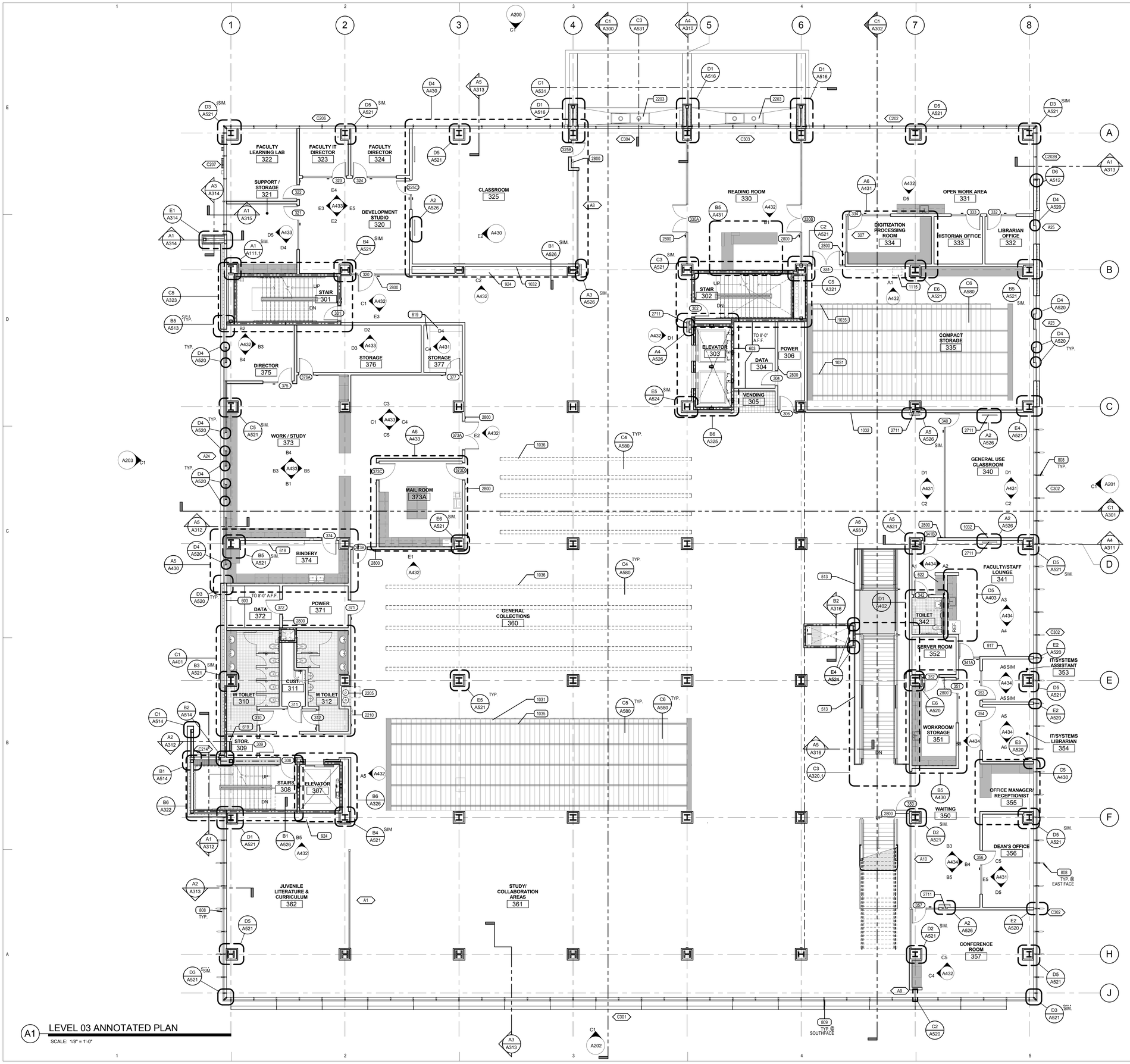

A1 LEVEL 03 ANNOTATED PLAN

SCALE: 1/8" = 1'-0"

PLAN NOTES

1. WHERE FLOOR DRAINS ARE INSTALLED THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT TO EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.
2. WHERE CONCRETE PADS ARE CALLED TO BE CONSTRUCTED UNDER EQUIPMENT THE SLAB IS TO BE 8" THICK, UNO, AND IS TO HAVE #4 BARS AT 18" O.C. EACH WAY. COORDINATE DIMENSIONS OF PAD WITH ACTUAL EQUIPMENT SPEC
3. SEE SHEET A580 FOR TYPICAL FLOORING TRANSITION DETAILS.
4. THE CONTRACTOR IS TO ENSURE THAT BETWEEN ANY FINISH FLOOR ELEVATION TO 34" A.F.F. ALL GUARDRAILS ARE TO BE CONSTRUCTED AND INSTALLED SO THAT A 4" SPHERE WILL NOT PASS BETWEEN ANY TWO ADJACENT GUARDRAIL COMPONENTS OR BETWEEN THE EDGE OF A GUARDRAIL AND ALL ADJACENT BUILDING ELEMENT SUCH AS A WALL OR FLOOR. AN 8" DIAMETER SPHERE IS NOT TO PASS BETWEEN THE ABOVE MENTIONED COMPONENTS AND ELEMENTS FROM AN ELEVATION 34" A.F.F. AND HIGHER.
5. SEE DETAIL C3/A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS

ROOM TAG LEGEND

THE ROOM TAG IS USED TO GIVE A ROOM NAME, ROOM NUMBER, AND WHERE APPLICABLE TO REFER TO A SIMILAR ROOM TO FIND INTERIOR ELEVATION INFORMATION

SECRETARIAL OFFICE — NAME OF ROOM
193 — ROOM NUMBER
SIM. RM 185 — ROOM NUMBER TO REFERENCE FOR INTERIOR ELEVATION INFORMATION

IN THE EXAMPLE ABOVE YOU WOULD REFER TO ROOM 185 TO SEE INTERIOR ELEVATION INFORMATION FOR ROOM 193

KEYED NOTES

513 DECORATIVE RAILING WITH 1/2" GLAZING, SEE DETAIL A6/A551
603 3/4" FIRE TREATED PLYWOOD BACKING @ PANELS
618 12" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
619 16" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
622 MILLWORK, SEE ELEVATIONS
808 VERTICAL LOUVER SYSTEM, SEE SHEET A562
809 CURTAIN WALL SYSTEM
917 TACKABLE WALL SYSTEM
924 HARDWOOD BENCH TOP
1031 MOBILE STORAGE SHELVING
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1035 COMPACT SHELVING SYSTEM FLOOR RAIL
1036 COMPACT SHELVING SYSTEM TROUGH & BLOCKING FOR FUTURE FLOOR RAIL
1115 UNDER CABINET REFRIGERATOR, NIC
2203 ROOF DRAIN & OVERFLOW ROOF DRAIN
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2210 ELECTRIC WATER BOTTLE FILLER UNIT (SHARES REMOTE CHILLER WITH ADJACENT ELECTRIC WATER COOLER)
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2800 ACCESS CONTROL

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LEVEL 03 ANNOTATED PLAN

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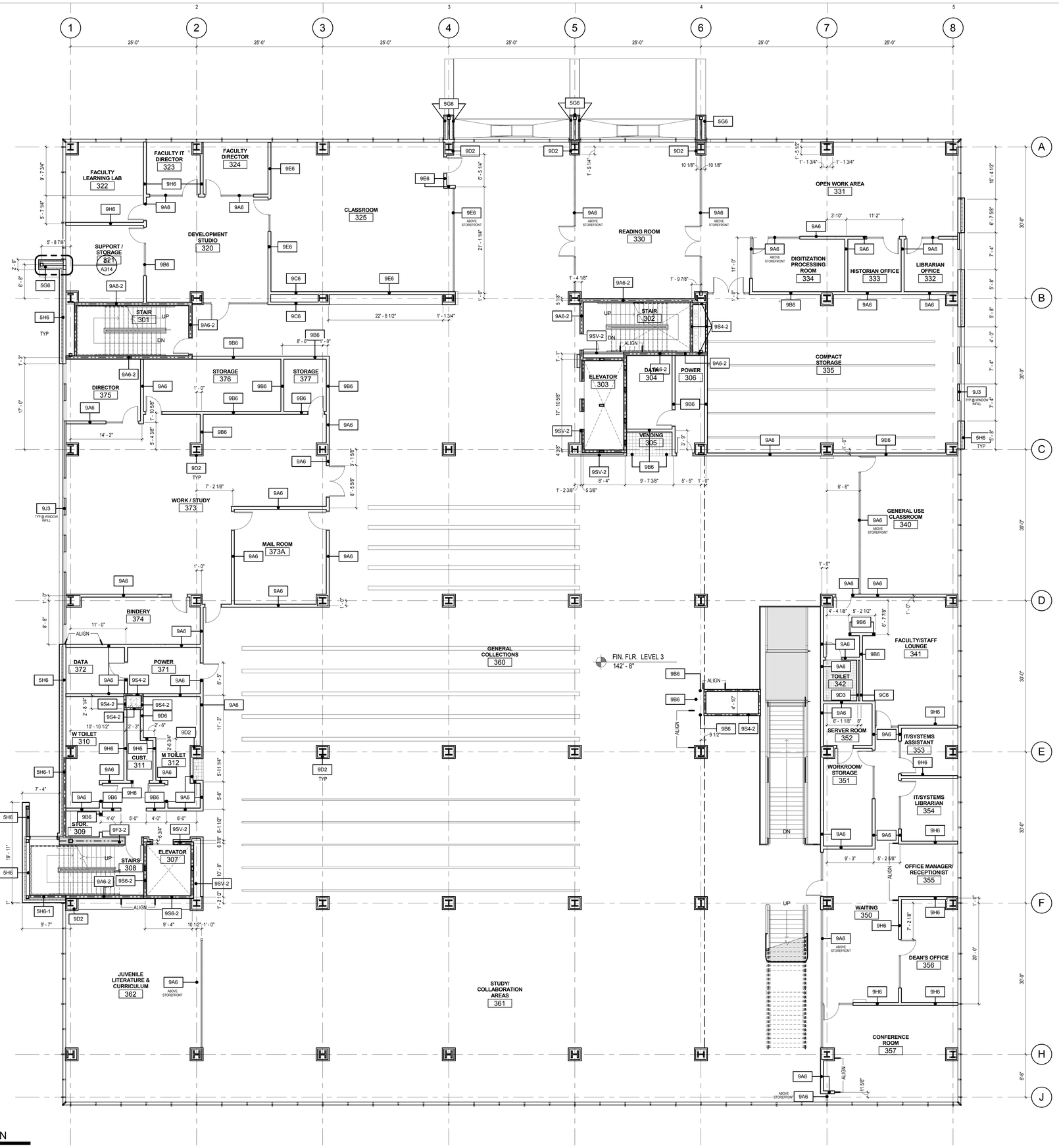

A1 LEVEL 03 DIMENSION PLAN

SCALE: 1/8" = 1'-0"

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DIMENSION NOTES

1. ALL DIMENSIONS ARE TO CENTER OF STUD WALL OR FACE OF CONCRETE, MASONRY OR ROUGH OPENING UNLESS NOTED OTHERWISE. WHERE THE END OF A WALL IS INDICATED THE DIMENSION IS TO THE FINISH SURFACE OF THE WALL END.
2. UNLESS DIMENSIONED OTHERWISE, THE DIMENSION FROM THE BUCK OF A DOOR FRAME IS TO BE 4" TO THE WALL CORNER.
3. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED.
4. ALL WALLS TO BE TYPE 9A6 UNLESS NOTED, OTHERWISE. SEE SHEETS A500 AND A501 FOR WALL TYPES AND NOTES.
5. ALL COLUMN WRAPS ARE TO BE CONSTRUCTED PER DETAIL A5/A521, UNLESS NOTED OTHERWISE.

PARTITION AND FRAMING GENERAL NOTES

1. PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE THE FINISH SHEETS AND INTERIOR ELEVATIONS FOR WALL FINISHES INCLUDING TILE COURSING AND LAYOUT AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
2. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.
3. PROVIDE **FIRE RATED CONSTRUCTION ASSEMBLIES** WHERE INDICATED ON SHEETS G100's AND FLOOR PLAN DRAWINGS.
4. ALL **FIRE RATED WALLS** SHOWN **WITH A SECOND WALL** IN FRONT OF IT SHALL BE COMPLETELY FINISHED AND TAPED PRIOR TO THE SECOND STUD WALL BEING ERECTED.
5. **SEE STRUCTURAL** DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS.
6. ALL **EXTERIOR STUD WALLS** TO HAVE CONTINUOUS INSULATION, AIR AND MOISTURE INFILTRATION BARRIER FOR THE FULL HEIGHT AND LENGTH OF THE WALL, SEAL ALL PENETRATIONS. SEE DETAIL AT C1/ A513 FOR TYPICAL TOP OF WALL CONDITION.
7. ALL EXTERIOR STUD WALLS ARE TO BE PROVIDED UNDER DIVISION 05 AND SIZED BY THE CONTRACTOR'S ENGINEER AS CALLED FOR IN THE SPECIFICATIONS.
8. THE AIR AND MOISTURE INFILTRATION BARRIER IS TO WRAP INTO ALL WINDOW AND DOOR OPENINGS.
9. **SEE EXTERIOR ELEVATIONS** FOR COURSING, MASONRY TYPES AND METAL PANEL ORIENTATION PER A2 ELEVATION SHEETS.
10. SEE THE A2 ELEVATION SHEETS FOR LOCATION OF **MASONRY STONE CONTROL JOINTS**. IF NOT OTHERWISE NOTED, LOCATE CONTROL JOINTS AT CORNER ABOVE DOORS, INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE BUT ARE **NOT TO EXCEED 30' OC. CONSULT WITH ARCHITECT PRIOR TO INSTALLING PER DETAIL A2/ A511**.
11. **PROTECTION OF MASONRY AND GFRC**: DURING CONSTRUCTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK. EXCEPT WHEN THE AMBIENT TEMPERATURE IS EXPECTED TO REMAIN ABOVE 65 DEG F AND NO PRECIPITATION IS FORECAST FOR THE NEXT 24 HOURS. (THIS IS TO PREVENT CONDENSATION FROM COVERED WALLS CAUSING A MOISTURE PROBLEM.) COVER PARTIALLY COMPLETED MASONRY EACH DAY THAT CONSTRUCTION IS NOT IN PROGRESS. WALLS ARE TO BE PROTECTED UNTIL THEY ARE PERMANENTLY PROTECTED BY THE ROOFING MEMBRANE OVER THE CAP PLATE. THE GENERAL CONTRACTOR IS TO PROVIDE TEMPORARY PROTECTION IMMEDIATELY FOLLOWING THE TOPPING OUT OF EACH SECTION OF WALL BY INSTALLING WATERPROOF SHEETING OVER A CONTINUOUS CAP PLATE UNTIL THE ROOFING MEMBRANE IS INSTALLED.
12. AT ALL **INTERIOR WALLS**: STUDS, INSULATION AND GYPSUM BOARD ARE TO EXTEND TO THE DECK ABOVE UNLESS NOTED OTHERWISE.
13. WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT ROOMS WITH WALL TYPE 9A6 BEING THE TYPICAL INTERIOR WALL. SEE SHEETS FOR FINISHES, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
14. ALL INTERIOR METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND ARE TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET. THICKNESS TO MATCH STUD DEPTH, UNLESS NOTED OTHERWISE.
15. REFER TO SHEET A520 FOR TYPICAL INTERIOR WALL CONDITIONS ASSOCIATED WITH ALL METAL STUD PARTITIONS.
16. PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. **CONSULT WITH ARCHITECT PRIOR TO COMMENCING FRAMING.** INSTALL PER DETAILS A2 AND A3/ A520 FOR CONTROL JOINTS.
17. AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, ETC., GYPSUM BOARD IS TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE GAP BETWEEN THE OBJECT AND THE WALL IS TO BE SEALED W/ ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT AT ALL SIDES, MAXIMUM. THE OPENING FOR DUCTS OR LARGE PENETRATIONS SHALL BE FRAMED WITH A HEADER. ADD AN ANGLED CORNER BRACE IF THE GAP EXCEEDS 3" FROM FRAMING TO THE OPENING. INSTALL PER A RATED SYSTEM IF AT A RATED WALL. CONTRACTOR TO PROVIDE BLOCKING / BACKING FOR ALL WALL MOUNTED EQUIPMENT. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR CABINETS, GRAB BARS ETC. INSTALL BLOCKING AS DETAILED OR AS REQUIRED TO MOUNT SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED. INSTALL PER SHEET A510
19. SEE DETAIL B3/ A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS.
20. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:
    a. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE.
    b. USE 16" OC MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING IF ALLOWED IN THESE DOCUMENTS.
    c. USE STUDS OF GAGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAGE TESTED, 20 GA (30 MILS) IS THE MINIMUM ALLOWED IN THESE DOCUMENTS.
    d. USE STUDS OF DEPTH INDICATED BY THIS SET OF DOCUMENTS. THE DEPTH STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH TESTED DEPTH ALLOWED IN THESE DOCUMENTS. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS
20. INSTALL ONE LAYER OF 5/8" GLASS MAT TILE BACKER BOARD IN LIEU OF GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION WHERE THERE IS NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED PARTITIONS AT THE FOLLOWING LOCATIONS.
    a. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS.
    b. WHERE CERAMIC TILE FINISHES ARE INDICATED PER THE FINISH PLANS AND/ OR INTERIOR ELEVATIONS.
    c. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.
21. **WHERE THERE IS LIMITED WATER EXPOSURE:** INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD PER ASTM C1396 (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS:
    a. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SINKS
    b. AT OTHER LOCATIONS, I.E. TOILET ROOMS AND KITCHENS, AND AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.

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LEVEL 03 DIMENSION PLAN

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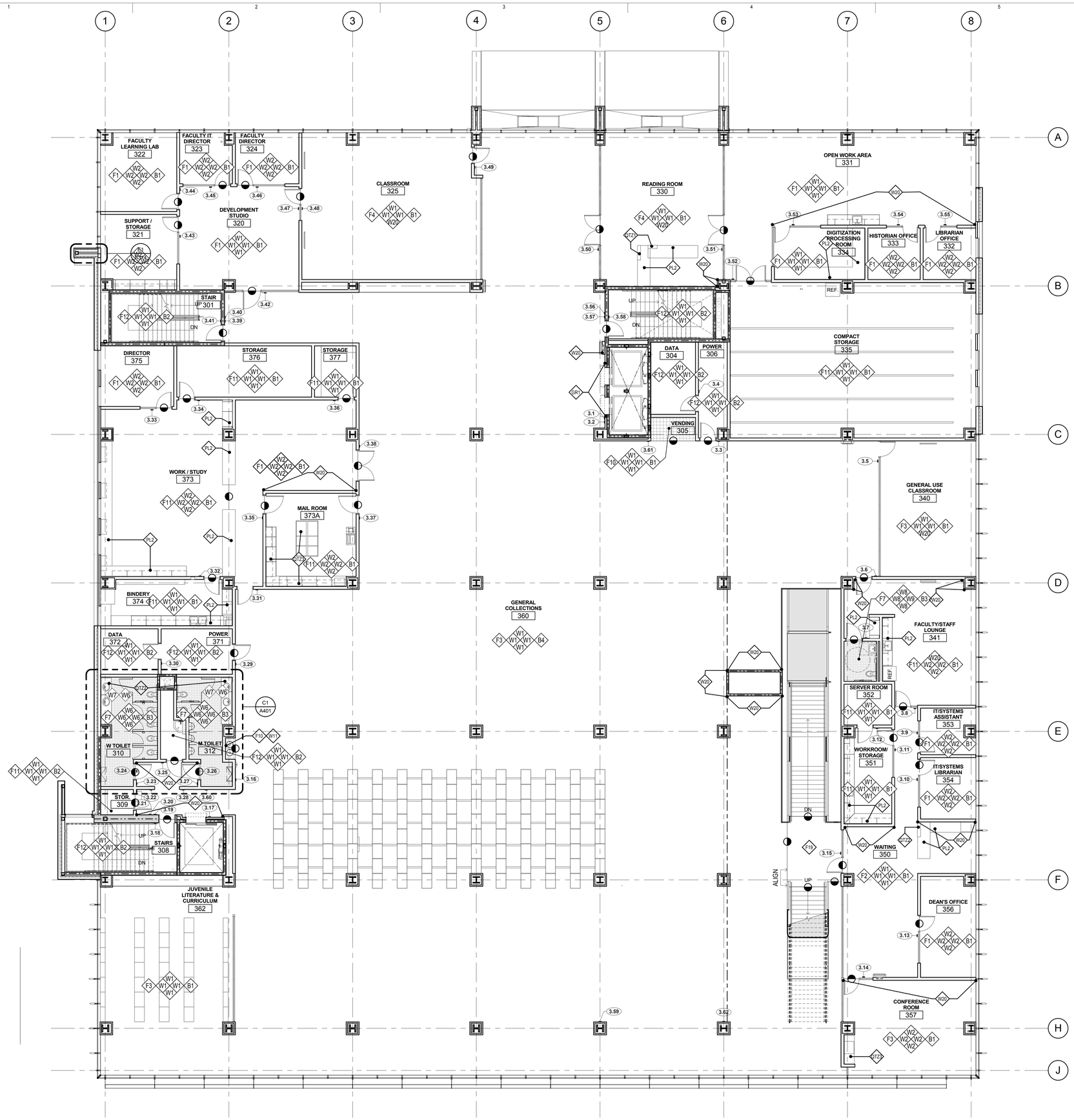

A1 LEVEL 03 FINISH PLAN

SCALE: 1/8" = 1'-0"

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GENERAL FINISH NOTES

1. PROVIDE EPOXY PAINT AT ALL RESTROOMS AND JANITOR CLOSETS.
2. ALL FLOOR TRANSITIONS TO BE LOCATED AT CENTER OF DOOR, UNO ALL FLOOR TRANSITIONS AT FLOOR TILE LOCATIONS TO BE LOCATED AT INSIDE CORNER OF DOOR.
3. ALL PAINTED STEEL BRACING AND COLUMNS TO BE PAINTED XXX, UNLESS NOTED OTHERWISE.
4. ALL GROUT JOINTS TO BE NO LARGER THAN 1/8".
5. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
6. COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.
7. SEE ELEVATION SHEETS FOR ALL WALL TILE PATTERNS.
8. AT SOFFITS RECEIVING COLOR- PAINT ALL SIDES OF SOFFIT.
9. ALL WOOD TRIM TO BE STAINED TO MATCH DOOR STAIN.
10. ALL COUNTERTOP, BACKSPLASHES, AND EDGE BANDING TO HAVE COORDINATING FINISHES.
11. PROVIDE A SMOOTH TRANSITION AT ALL FLOOR MATERIALS - CONTRACTOR TO INSTALL ALL FLOOR FINISHES AT SAME LEVEL, DESPITE DIFFERENT THICKNESS. PROVIDE FLOOR TRANSITION WHERE OCCURS.
12. PROVIDE TILE XXX: 4"X4" CERAMIC WALL TILE' AT ALL JANITOR SINKS. PROVIDE TILE BULLNOSE TO FINISH OFF ALL EXPOSED EDGES.
13. ALL WALLS RECEIVING TILE WAINSCOT TO RECEIVE PAINT W1 ABOVE, UNO SEE FINISH PLANS FOR ACCENT WALL LOCATIONS.
14. SEE SHEET A580 FOR FLOORING TRANSITION DETAILS.
15. ALL HANDRAILS AND STRINGERS AT STAIRS, EXCLUDING MAIN STAIR CASE, STARTING AT LOBBY 125 TO BE PAINTED "W16" GLOSS FINISH
16. ALL HM DOOR AND FRAMES TO BE XXX.
17. ALL EXPOSED CEILINGS TO BE PAINTED. REFER TO REFLECTED CEILING PLANS.
18. AT ALL TILE WAINSCOT, SCRIBE BOTTOM TILE TO MATCH FINISH FLOOR SURFACE AND CAULK WITH BASE 'B2'.
19. AT ALL RECEPTION DESKS, USE WOOD VENEER "WV1"
20. FLOOR 1 AND 3: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" CUSTOM YELLOW TO MATCH ARCHITECT'S CONTROL SAMPLE. BACKGROUND CARPET TO BE SHAW 18"X36" LAYERED 95761.
21. FLOOR 2 AND 5: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95870 SUNDRIED. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
22. FLOOR 2M: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95075 ORANGE. BACKGROUND COLOR TO BE SHAW, 18"X36" WASHED 95106.
23. FLOOR 4: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95668 PAPRIKA. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
24. AT LEVEL ONE LOBBY 125: FLOOR FINISH PATTERN AS DETAILED ON SHEET C2/A581.
25. ALL EXPOSED BRACING TO BE PAINTED "W17" SATIN FINISH.
26. ALL BUILT IN BOOKSHELVES AND LATERAL FILES TO RECEIVE "PL1"
27. ALL BUILT IN RECEPTION DESKS TO RECEIVE "PL1"
28. ALL RECEPTION DESK WRITING SURFACES, AT 42" HIGH, TO RECEIVE "QTZ1"
29. ALL RECEPTION DESK WRITING SURFACES, AT 30", TO RECEIVE "PL2"
30. ALL WORK TABLES AT WORK ROOMS TO RECEIVE "PL1" AT CABINETRY.
31. ALL SOLID SURFACE SILLS TO RECEIVE "SS1"
32. ALL FREESTANDING FILL DRAWERS TO RECEIVE "PL1" ALL SIDED
33. ALL BUILT IN FILE DRAWERS TO RECEIVE "PL1" ALL EXPOSED SIDES
34. ALL MAILBOX SLOTS TO RECEIVE "PL1" ALL SIDES
35. ALL WRITING SURFACES AT MILLWORK WORKROOMS TO RECEIVE "PL2" UNO
36. BACKSPLASHES TO MATCH ADJACENT COUNTERTOP MATERIAL TYP.
37. ALL PLASTIC LAMINATE OR QUARTZ SURFACE CALLOUTS REFER TO COUNTERTOP SURFACE ONLY.
38. DO NOT PAINT ACCENT COLOR WHERE VINYL MARKERBOARD MATERIAL OCCURS. SEE ELEV.
39. ALL BUILT IN PENCIL DRAWERS TO RECEIVE "PL1".
40. AT BACK OF MILLWORK, WHERE PLASTIC LAMINATE IS NOTED, USE "PL1", WHERE PAINTED GYP IS NOTED, PAINT TO MATCH ADJACENT WALL. ALL STEEL ANGLES MATCH ADJACENT WALL COLOR.

FINISH PLAN SYMBOLS

WALL / FLOOR / WALL — F1 W1 W2 W2 B2 — WALL / BASE / WALL

NOTE

SINGLE FINISH SYMBOLS INDICATE WHERE FINISHES ARE DIFFERENT FROM GENERAL ROOM FINISHES, OR PROVIDE ADDITIONAL FINISH INFORMATION

CHANGE AT FLOOR MATERIAL

XX — SIGNAGE TAG- SEE SIGNAGE SHEETS FOR DETAILS

FINISH PLAN LEGEND

WALL MATERIALS

W1	PRIMED & PAINTED WALL SURFACE- GENERAL
W2	PRIMED & PAINTED WALL SURFACE
W3	PRIMED & PAINTED WALL SURFACE
W4	PRIMED & PAINTED WALL SURFACE
W5	PRIMED & PAINTED WALL SURFACE
W6	TILE AT RESTROOMS
W7	TILE AT RESTROOMS
W8	TILE AT RESTROOMS
W9	TILE AT RESTROOMS
W10	PRIMED & PAINTED WALL SURFACE
W11	WALL TILE
W12	CEILING COLOR
W13	VENITIAN PLASTER
W14	N/A
W15	TILE
W16	PRIMED & PAINTED WALL SURFACE
W17	PRIMED & PAINTED WALL SURFACE
W18	PRIMED & PAINTED WALL SURFACE
W19	ACOUSTICAL PANELS
W20	PRIMED AND PAINTED

FLOOR MATERIALS

F1	CARPET TILE
F2	CARPET TILE
F3	CARPET TILE
F4	CARPET TILE
F5	CARPET TILE
F6	CARPET TILE
F7	PENNY TILE
F8	PORCELAIN TILE
F9	PORCELAIN TILE
F10	PORCELAIN TILE
F11	MARMOLEUM
F12	SEALED CONCRETE
F13	CONCRETE PAVER
F14	RAISED FLOOR
F15	QUARRY TILE
F16	TRAFFIC COATING
F17	WALK OFF CARPET
F18	WALK OFF GRILLE
F19	COLORED CONCRETE
F20	COLORED CONCRETE
F21	CARPET BROADLOOM
F22	CHEMICAL RESISTANT FLOORING

BASE MATERIALS

B1	4" RUBBER BASE
B2	NO BASE- CAULK BETWEEN FLOOR AND WALL
B3	CERAMIC TILE BASE
B4	WOOD BASE
B5	TILE BASE
B6	METAL REVEAL BASE
B7	TRAFFIC COATING EXTENDED 6" UP WALL

OTHER MATERIALS

QTZ1	QUARTZ SURFACE
QTZ2	QUARTZ SURFACE
QTZ3	QUARTZ SURFACE
SS1	SOLID SURFACE AT SILLS
TP1	TOILET PARTITION
US1	URINAL SCREEN
CG1	CORNER GUARDS
WV1	WOOD VENEER
WS1	WOOD STAIN

PLASTIC LAMINATE

PL1	PLASTIC LAMINATE
PL2	PLASTIC LAMINATE
PL3	PLASTIC LAMINATE
PL4	CHEMICAL LAMINATE
TKBD1	TACKBOARD
TKBD2	TACKBOARD
TKBD3	TACKBOARD
GR1	GRAPHIC WALL

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LEVEL 03 FINISH PLAN

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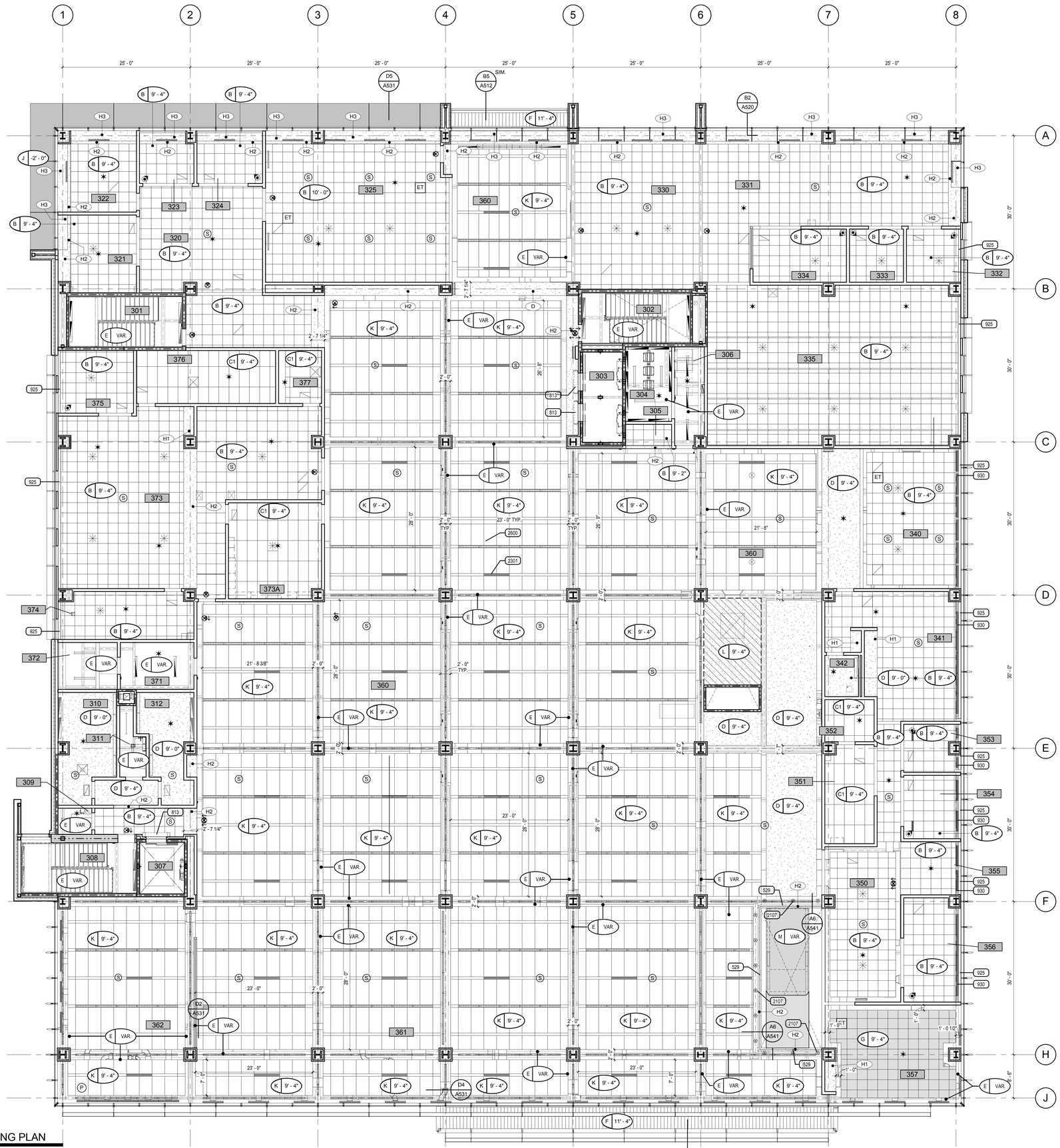

A1 LEVEL 03 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

GENERAL CEILING NOTES

1- REFER TO DETAIL C6/A840 FOR TYPICAL CEILING SUSPENSION & SEISMIC BRACING

2- REFER TO DETAIL A6/A840 FOR TYPICAL SUSPENDED GYP. BOARD CEILINGS

3- ALL UNIDENTIFIED CEILING TYPES ON THE PLANS SHALL BE TYPE "B" AT 9'-4" A.F.F.

4- GRID SUSPENSION SYSTEMS SHALL BE CENTERED WITHIN AREAS INDICATED, UNLESS NOTED OTHERWISE

5- ALL EXPOSED STRUCTURE, MECHANICAL, DUCTS, ELECTRICAL WORK, PIPING, ETC.. SHALL BE PAINTED. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR "W10" AS NOTED IN FINISH SCHEDULE AT TYPE "A" ABOVE VENTWOOD & TYPE "B" CEILING CLOUDS. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR WHITE WHERE NO CEILING EXISTS.

6- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF MECHANICAL GRILLES AND TO MECHANICAL DRAWINGS FOR QUANTITIES AND TYPES

7- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES

8- MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE WORK WITH SPRINKLER CONTRACTOR TO AVOID CONFLICTS IN FIELD. NOTE: ADDITIONAL MONIES WILL NOT BE PAID TO SUBCONTRACTORS FOR REWORK REQUIRED DUE TO LACK OF COORDINATION.

9- ALL CEILING HEIGHTS ARE ELEVATION ABOVE TOP OF FINISHED FLOOR.

10- ALL TYPE "D" CEILINGS IN RESTROOMS, LOCKER ROOMS, AND WET AREAS TO BE EPOXY PAINTED. EXTEND GYP. TO DECK WHERE EXPOSED.

11- BLACK SPRAY APPLIED INSULATION TO BE APPLIED TO THE UNDERSIDE OF DECK ABOVE ALL TYPE "A" CEILING SYSTEMS, 2" THICK.

12- ALL LAY-IN TILE CEILING CLOUDS, WHERE GRID DOES NOT MEET THE WALL OR HAS A BREAK IN THE PLANE OF THE CEILING, IS TO HAVE 4" TRIM AS PER DETAIL C1/A540 AND C3/A540. ALL EXPOSED SURFACES ABOVE PLANE OF CEILING TO BE PAINTED.

13 - EVERY WINDOW, STOREFRONT AND CURTAINWALL UNIT AT THE EXTERIOR WALLS OF THE BUILDING SHALL BE EQUIPPED WITH A ROLL-DOWN WINDOW SHADE ASSEMBLY AT THE INTERIOR OF THE UNIT. THE INTERIOR WINDOW UNITS THAT ARE TO BE EQUIPPED WITH A ROLL-DOWN SHADE ARE SPECIFICALLY CALLED OUT IN THESE CONSTRUCTION DOCUMENTS.

CEILING TYPES

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE CEILING TYPE AND HEIGHT

CEILING TYPE — X X'-X" — CEILING HEIGHT

NOTE: WHERE CEILINGS ARE NOT A CONSTANT ELEVATION "VAR" MEANING "VARIES" APPEARS IN THE CEILING HEIGHT FIELD. WHERE NO CEILING OCCURS "EXP" MEANING "EXPOSED" APPEARS IN THE CEILING HEIGHT FIELD.

	A-	VENTED WOOD CEILING SYSTEM, PAINT ALL EXPOSED SURFACES ABOVE & BLACK SPRAY APPLIED INSULATION TO DECK ABOVE
	B-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING
	C1-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING
	C2-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (VINYL COATED)
	C3-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (CLEAN ROOM) PAINT ALL SURFACES OF PLENUM ABOVE
	D-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, U.N.O. UTILIZE EPOXY PAINT AT RESTROOMS AND JANITOR CLOSETS
	E-	EXPOSED STRUCTURE. PAINT ALL EXPOSED SURFACES PER NOTE 5 ABOVE
	F-	PRE-FINISHED METAL SOFFIT PANELS OVER INFILTRATION BARRIER OVER 1/2" FIRE RETARDANT TREATED WOOD SHEATHING SUPPORTED WITH A SUSPENDED SOFFIT SYSTEM
	G-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING, GROOVED
	H-	METAL CEILING
	J-	PRE- FINISHED EXTERIOR COMPOSITE METAL SOFFIT
	K-	SUSPENDED ACOUSTICAL LAY-IN CEILING 2'-6" X 5' FIELD PANELS, 0'-6" X 5' TECHNICAL PANELS
	L-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, 2 HR RATED
	M-	GYP. BOARD STAIR WRAP WITH VINYL GRAPHIC. SEE STAIR SECTIONS.

HEADER LEGEND

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE HEADER HEIGHT

HEADER TYPE — XX

NOTE: AT STUD HEADERS VERTICAL 3-5/8" STUDS WITH 5/8" GYP. BOARD BOTH SIDES EXTEND FROM THE BOTTOM OF HEADER TO DECK ABOVE, UNLESS OTHERWISE DETAILED.

H1	GYP. BOARD HEADER AT 7'-0". SEE DETAIL E6/A840
H2	GYP. BOARD HEADER AT 9'-0". SEE DETAIL E6/A840
H3	GYP. BOARD HEADER AT 11'-4". SEE DETAIL E6/A840
H4	GYP. BOARD HEADER AT 11'-10". SEE DETAIL E6/A840
H5	GYP. BOARD HEADER AT 12'-0". SEE DETAIL E6/A840
H6	GYP. BOARD HEADER AT 9'-4". SEE DETAIL E6/A840

CEILING LEGEND

THE FOLLOWING SYMBOLS ARE USED ON THE REFLECTED CEILING PLAN SHEETS TO REPRESENT ELECTRICAL AND MECHANICAL DEVICES. THE REFLECTED CEILING PLANS ARE TO BE USED TO LOCATE THESE DEVICES. REFER TO THE ELECTRICAL AND MECHANICAL DRAWINGS FOR DEVICE TYPE DESCRIPTION AND QUANTITY EXCEPT FOR THE CEILING FANS. FAN TYPES AND QUANTITIES ARE TO BE TAKEN FROM THE REFLECTED CEILING PLAN SHEETS

GRAPHIC	DESCRIPTION
	FLUORESCENT LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE
	RECESSED DOWN LIGHT
	WALL WASH
	TRACK LIGHTING
	EXIT SIGN, SINGLE-SIDED
	EXIT SIGN, DOUBLE-SIDED
	FIRE ALARM
	SPEAKER
	SMOKE DETECTOR
	LINEAR DIFFUSER
	HVAC DIFFUSER, RETURN GRILLE, VENTILATION GRILLE
	OCCUPANCY SENSOR

KEYED NOTES

529 SMOKE DRAFT CURTIAN SYSTEM WITH 3/8" TEMPERED GLASS, SEE DETAIL A6/A541
813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM, SEE DETAIL C2/A541
925 EXTRUDED ALUMINUM CEILING PERIMETER SHADE POCKET, SEE DETAIL D3/A540
930 EXTRUDED ALUMINUM CEILING PERIMETER DIFFUSER GRILL, SEE DETAIL D2/A540
2107 SPRINKLER HEAD 6" FROM SMOKE DRAFT CURTIAN SYSTEM, 6'-0" OC MAX
2301 PRE-FINISHED MECHANICAL LOUVER
2600 LIGHT FIXTURE

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LEVEL 03 REFLECTED CEILING PLAN

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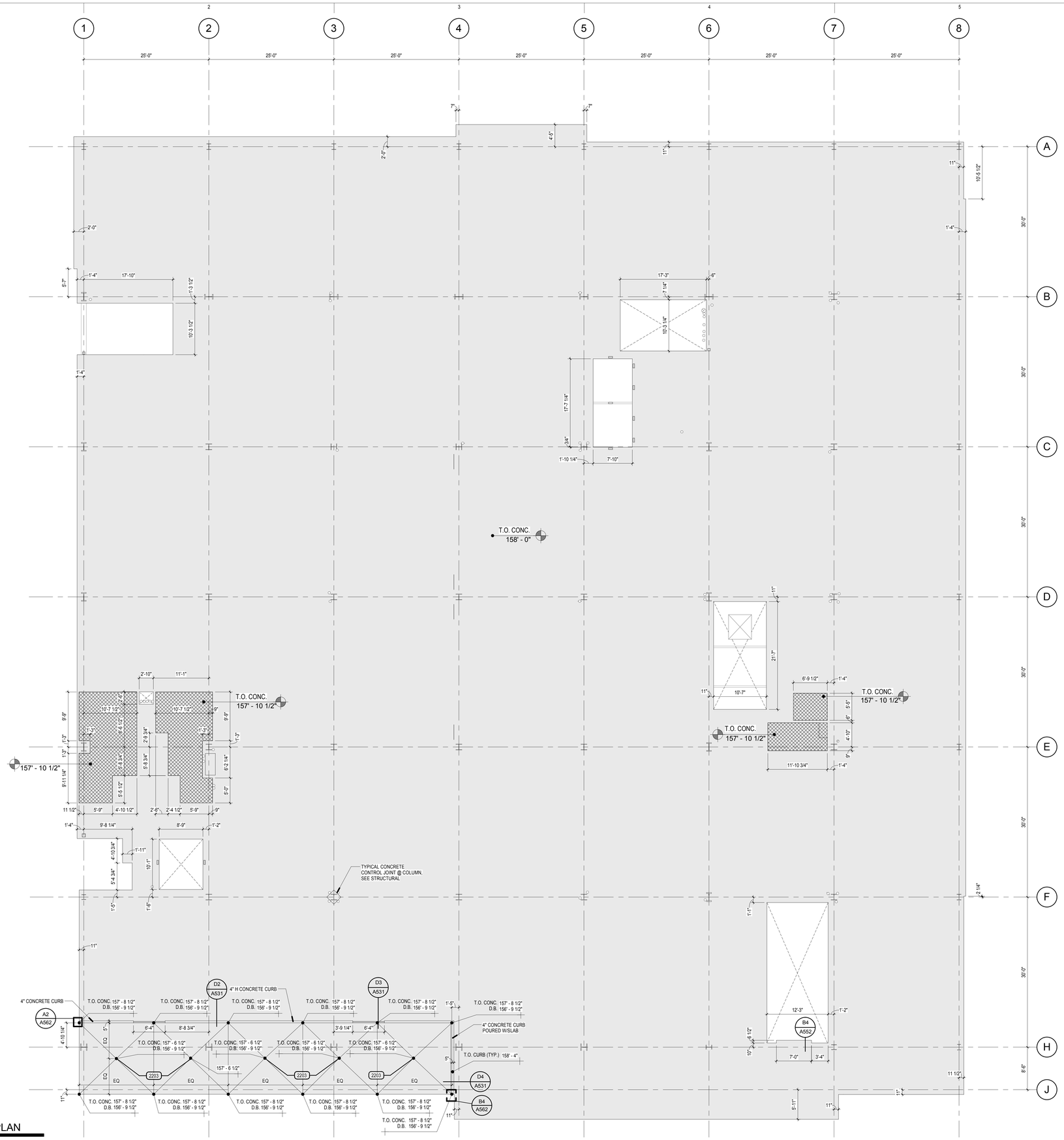

A1 LEVEL 04 SLAB EDGE PLAN

SCALE: 1/8" = 1'-0"

SLAB EDGE LEGEND

THE FOLLOWING PATTERNS ARE USED ON THE FLOOR SLAB EDGE PLAN SHEETS TO REPRESENT THE CONCRETE STRUCTURAL FLOOR SLAB AND ANY RECESSES IN THE SURFACE OF THAT SLAB

- 6 1/2" STRUCTURAL CONCRETE FLOOR SLAB
- 2" RECESS FOR WALK OFF MAT SYSTEM, VERIFY WITH MANUFACTURER
- 1 1/2" RECESS FOR THICK SET TILE

KEYED NOTES

2203 ROOF DRAIN & OVERFLOW ROOF DRAIN

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LEVEL 04 FLOOR SLAB EDGE PLAN

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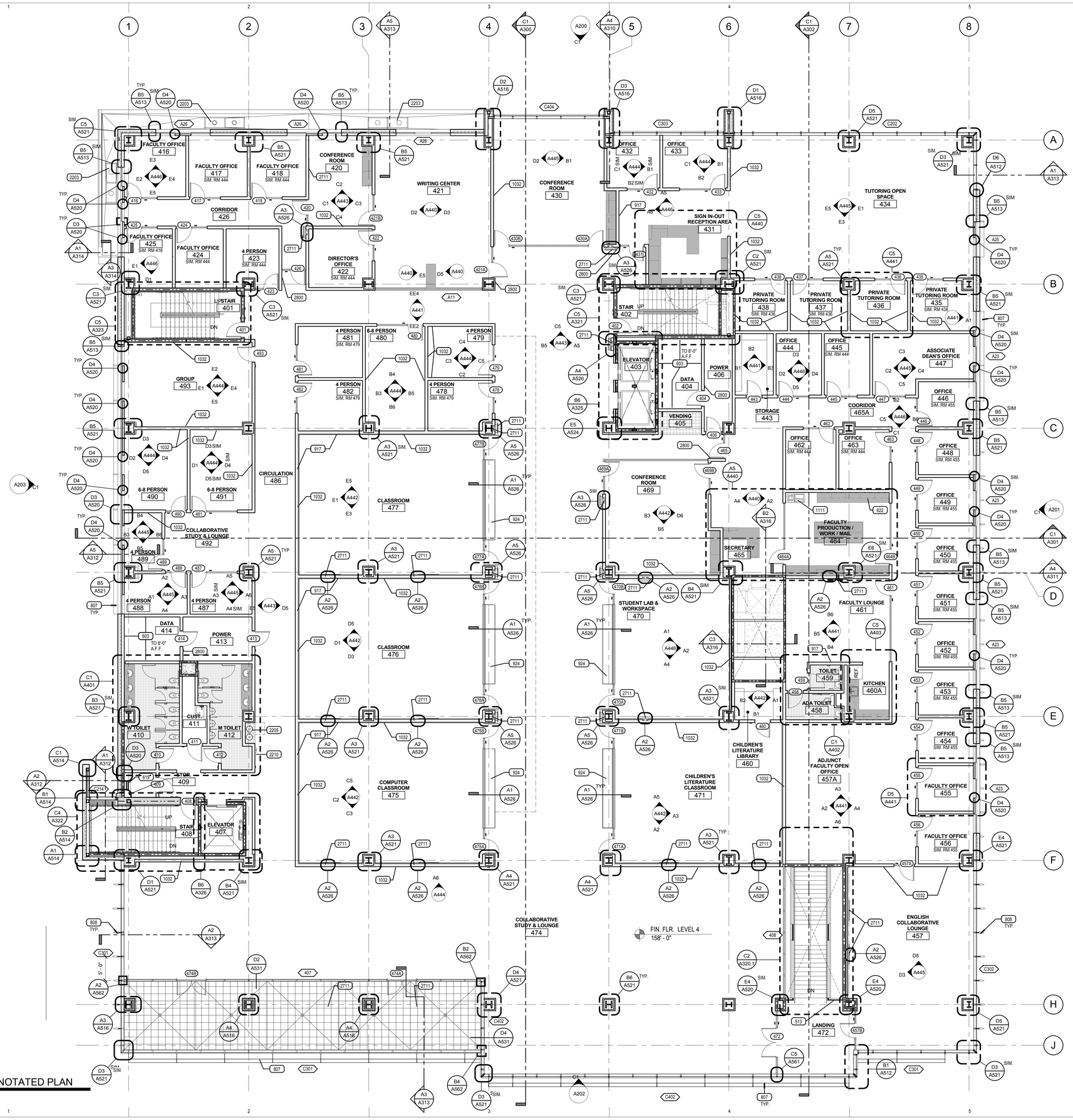

A1 LEVEL 04 ANNOTATED PLAN

SCALE: 1/8" = 1'-0"

PLAN NOTES

1. WHERE FLOOR DRAINS ARE INSTALLED THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT TO EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.
2. WHERE CONCRETE PADS ARE CALLED TO BE CONSTRUCTED UNDER EQUIPMENT THE SLAB IS TO BE 8" THICK, UNO, AND IS TO HAVE #4 BARS AT 18" O.C. EACH WAY. COORDINATE DIMENSIONS OF PAD WITH ACTUAL EQUIPMENT SPEC
3. SEE SHEET A580 FOR TYPICAL FLOORING TRANSITION DETAILS.
4. THE CONTRACTOR IS TO ENSURE THAT BETWEEN ANY FINISH FLOOR ELEVATION TO 34" A.F.F. ALL GUARDRAILS ARE TO BE CONSTRUCTED AND INSTALLED SO THAT A 4" SPHERE WILL NOT PASS BETWEEN ANY TWO ADJACENT GUARDRAIL COMPONENTS OR BETWEEN THE EDGE OF A GUARDRAIL AND ALL ADJACENT BUILDING ELEMENT SUCH AS A WALL OR FLOOR. AN 8" DIAMETER SPHERE IS NOT TO PASS BETWEEN THE ABOVE MENTIONED COMPONENTS AND ELEMENTS FROM AN ELEVATION 34" A.F.F. AND HIGHER.
5. SEE DETAIL C3/A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS

ROOM TAG LEGEND

THE ROOM TAG IS USED TO GIVE A ROOM NAME, ROOM NUMBER, AND WHERE APPLICABLE TO REFER TO A SIMILAR ROOM TO FIND INTERIOR ELEVATION INFORMATION

SECRETARIAL OFFICE
193
SIM. RM 185

- NAME OF ROOM
- ROOM NUMBER
- ROOM NUMBER TO REFERENCE FOR INTERIOR ELEVATION INFORMATION

IN THE EXAMPLE ABOVE YOU WOULD REFER TO ROOM 185 TO SEE INTERIOR ELEVATION INFORMATION FOR ROOM 193

KEYED NOTES

513 DECORATIVE RAILING WITH 1/2" GLAZING, SEE DETAIL A6/A551
603 3/4" FIRE TREATED PLYWOOD BACKING @ PANELS
619 16" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
622 MILLWORK, SEE ELEVATIONS
807 HORIZONTAL LOUVER SYSTEM, SEE SHEET A562
808 VERTICAL LOUVER SYSTEM, SEE SHEET A562
917 TACKABLE WALL SYSTEM
924 HARDWOOD BENCH TOP
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1104 VENDING MACHINE, NIC
1111 COPIER, NIC
2203 ROOF DRAIN & OVERFLOW ROOF DRAIN
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2210 ELECTRIC WATER BOTTLE FILLER UNIT (SHARES REMOTE CHILLER WITH ADJACENT ELECTRIC WATER COOLER)
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2800 ACCESS CONTROL

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LEVEL 04 ANNOTATED PLAN

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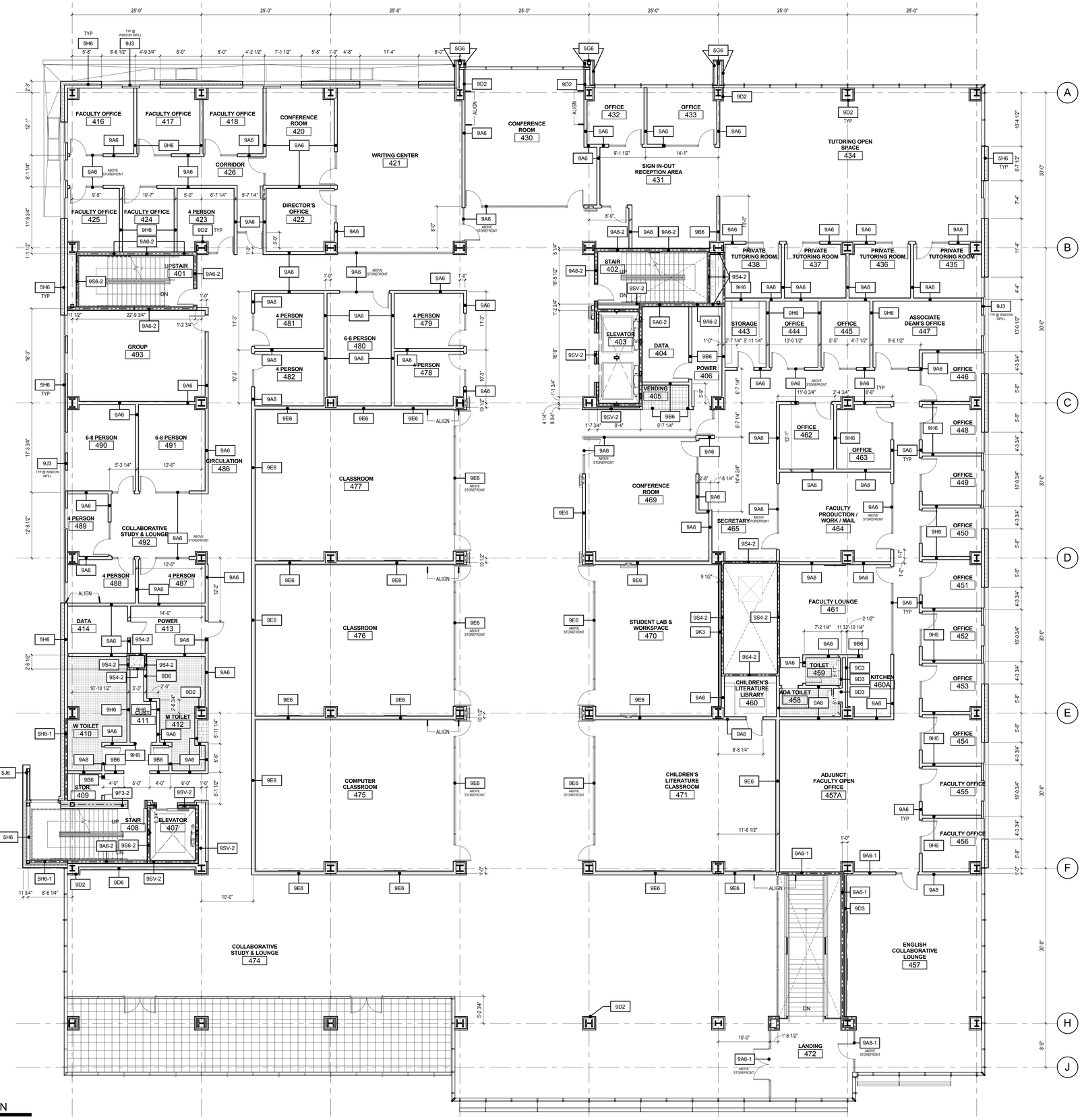

A1 LEVEL 04 DIMENSION PLAN

SCALE: 1/8" = 1'-0"

DIMENSION NOTES

1. ALL DIMENSIONS ARE TO CENTER OF STUD WALL OR FACE OF CONCRETE, MASONRY OR ROUGH OPENING UNLESS NOTED OTHERWISE. WHERE THE END OF A WALL IS INDICATED THE DIMENSION IS TO THE FINISH SURFACE OF THE WALL END.
2. UNLESS DIMENSIONED OTHERWISE, THE DIMENSION FROM THE BUCK OF A DOOR FRAME IS TO BE 4" TO THE WALL CORNER.
3. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED.
4. ALL WALLS TO BE TYPE 9A6 UNLESS NOTED, OTHERWISE. SEE SHEETS A500 AND A501 FOR WALL TYPES AND NOTES.
5. ALL COLUMN WRAPS ARE TO BE CONSTRUCTED PER DETAIL A5/A521, UNLESS NOTED OTHERWISE.

PARTITION AND FRAMING GENERAL NOTES

1. PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE THE FINISH SHEETS AND INTERIOR ELEVATIONS FOR WALL FINISHES INCLUDING TILE COURSING AND LAYOUT AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
2. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.
3. PROVIDE **FIRE RATED CONSTRUCTION ASSEMBLIES** WHERE INDICATED ON SHEETS G100's AND FLOOR PLAN DRAWINGS.
4. ALL **FIRE RATED WALLS** SHOWN **WITH A SECOND WALL** IN FRONT OF IT SHALL BE COMPLETELY FINISHED AND TAPED PRIOR TO THE SECOND STUD WALL BEING ERECTED.
5. **SEE STRUCTURAL** DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS.
6. ALL **EXTERIOR STUD WALLS** TO HAVE CONTINUOUS INSULATION, AIR AND MOISTURE INFILTRATION BARRIER FOR THE FULL HEIGHT AND LENGTH OF THE WALL, SEAL ALL PENETRATIONS. SEE DETAIL AT C1/ A313 FOR TYPICAL TOP OF WALL CONDITION.
7. ALL EXTERIOR STUD WALLS ARE TO BE PROVIDED UNDER DIVISION 05 AND SIZED BY THE CONTRACTOR'S ENGINEER AS CALLED FOR IN THE SPECIFICATIONS.
8. THE AIR AND MOISTURE INFILTRATION BARRIER IS TO WRAP INTO ALL WINDOW AND DOOR OPENINGS.
9. **SEE EXTERIOR ELEVATIONS** FOR COURSING, MASONRY TYPES AND METAL PANEL ORIENTATION PER A2 ELEVATION SHEETS.
10. SEE THE A2 ELEVATION SHEETS FOR LOCATION OF **MASONRY STONE CONTROL JOINTS**. IF NOT OTHERWISE NOTED, LOCATE CONTROL JOINTS AT CORNER ABOVE DOORS, INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE BUT ARE **NOT TO EXCEED 30' OC. CONSULT WITH ARCHITECT PRIOR TO INSTALLING PER DETAIL A2/ A511**
11. **PROTECTION OF MASONRY AND GFRC:** DURING CONSTRUCTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK. EXCEPT WHEN THE AMBIENT TEMPERATURE IS EXPECTED TO REMAIN ABOVE 65 DEG F AND NO PRECIPITATION IS FORECAST FOR THE NEXT 24 HOURS. (THIS IS TO PREVENT CONDENSATION FROM COVERED WALLS CAUSING A MOISTURE PROBLEM.) COVER PARTIALLY COMPLETED MASONRY EACH DAY THAT CONSTRUCTION IS NOT IN PROGRESS. WALLS ARE TO BE PROTECTED UNTIL THEY ARE PERMANENTLY PROTECTED BY THE ROOFING MEMBRANE OVER THE CAP PLATE. THE GENERAL CONTRACTOR IS TO PROVIDE TEMPORARY PROTECTION IMMEDIATELY FOLLOWING THE TOPPING OUT OF EACH SECTION OF WALL BY INSTALLING WATERPROOF SHEETING OVER A CONTINUOUS CAP PLATE UNTIL THE ROOFING MEMBRANE IS INSTALLED.
12. AT ALL **INTERIOR WALLS**, STUDS, INSULATION AND GYPSUM BOARD ARE TO EXTEND TO THE DECK ABOVE UNLESS NOTED OTHERWISE.
13. WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT ROOMS WITH WALL TYPE 9A6 BEING THE TYPICAL INTERIOR WALL. SEE SHEETS FOR FINISHES, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
14. ALL INTERIOR METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND ARE TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET. THICKNESS TO MATCH STUD DEPTH, UNLESS NOTED OTHERWISE.
15. REFER TO SHEET A520 FOR TYPICAL INTERIOR WALL CONDITIONS ASSOCIATED WITH ALL METAL STUD PARTITIONS.
16. PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. **CONSULT WITH ARCHITECT PRIOR TO COMMENCING FRAMING.** INSTALL PER DETAILS A2 AND A3/ A520 FOR CONTROL JOINTS.
17. AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, ETC., GYPSUM BOARD IS TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE GAP BETWEEN THE OBJECT AND THE WALL IS TO BE SEALED W/ ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT AT ALL SIDES, MAXIMUM. THE OPENING FOR DUCTS OR LARGE PENETRATIONS SHALL BE FRAMED WITH A HEADER. ADD AN ANGLED CORNER BRACE IF THE GAP EXCEEDS 3" FROM FRAMING TO THE OPENING. INSTALL PER A RATED SYSTEM IF AT A RATED WALL. CONTRACTOR TO PROVIDE BLOCKING / BACKING FOR ALL WALL MOUNTED EQUIPMENT. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR CABINETS, GRAB BARS ETC. INSTALL BLOCKING AS DETAILED OR AS REQUIRED TO MOUNT SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED. INSTALL PER SHEET A510.
19. SEE DETAIL B3/ A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS
20. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:
    a. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE.
    b. USE 16" OC MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING IF ALLOWED IN THESE DOCUMENTS.
    c. USE STUDS OF GAGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAGE TESTED, 20 GA (30 MILS) IS THE MINIMUM ALLOWED IN THESE DOCUMENTS.
    d. USE STUDS OF DEPTH INDICATED BY THIS SET OF DOCUMENTS. THE DEPTH STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH TESTED DEPTH ALLOWED IN THESE DOCUMENTS. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS
20. INSTALL ONE LAYER OF 5/8" GLASS MAT TILE BACKER BOARD IN LIEU OF GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION WHERE THERE IS NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED PARTITIONS AT THE FOLLOWING LOCATIONS.
    a. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS.
    b. WHERE CERAMIC TILE FINISHES ARE INDICATED PER THE FINISH PLANS AND/ OR INTERIOR ELEVATIONS.
    c. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.
21. **WHERE THERE IS LIMITED WATER EXPOSURE:** INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD PER ASTM C1396 (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS:
    a. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SINKS
    b. AT OTHER LOCATIONS, I.E. TOILET ROOMS AND KITCHENS, AND AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.

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LEVEL 04 DIMENSION PLAN

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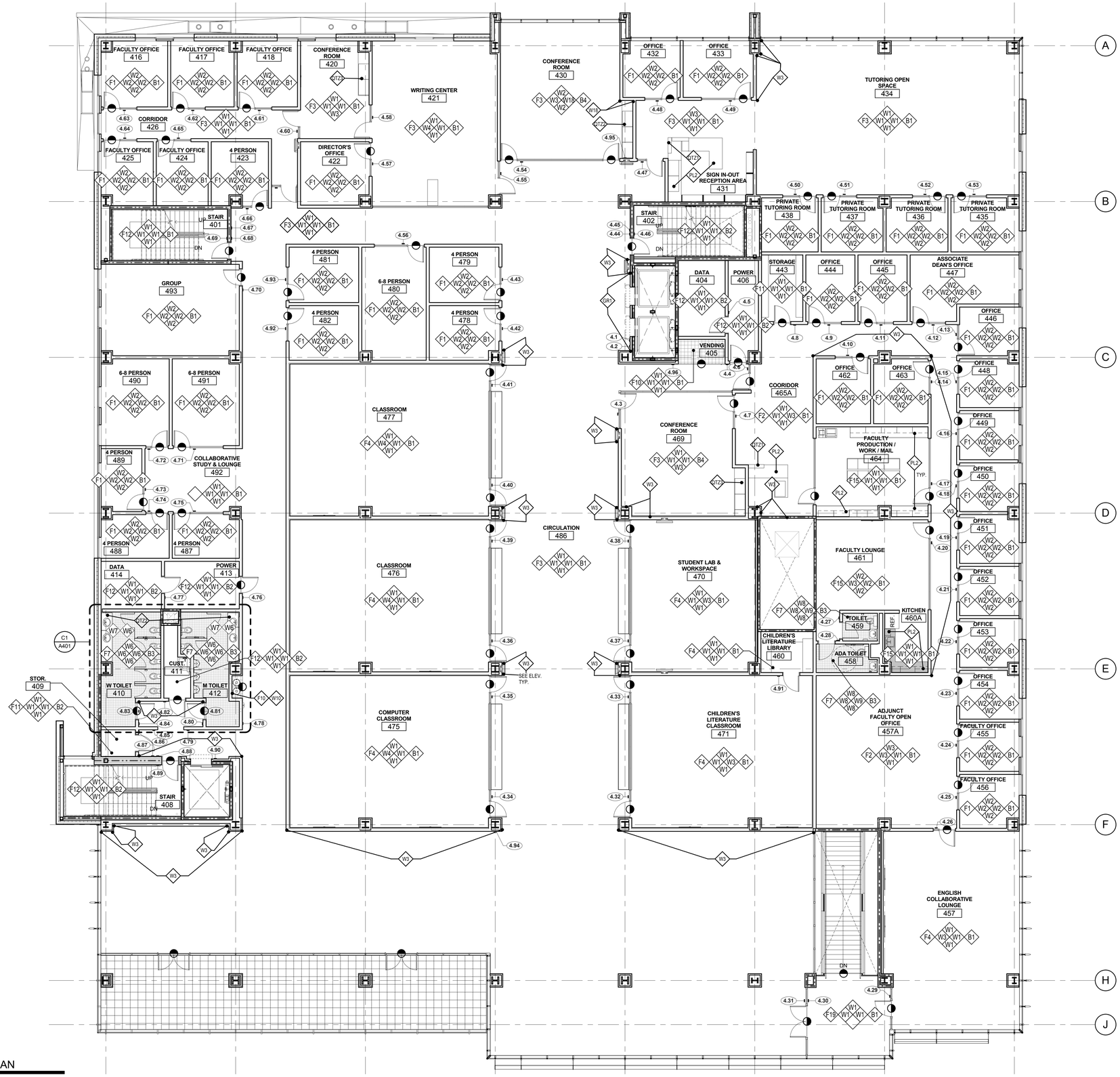

A1 LEVEL 04 FINISH PLAN

SCALE: 1/8" = 1'-0"

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GENERAL FINISH NOTES

1. PROVIDE EPOXY PAINT AT ALL RESTROOMS AND JANITOR CLOSETS.
2. ALL FLOOR TRANSITIONS TO BE LOCATED AT CENTER OF DOOR, UNO ALL FLOOR TRANSITIONS AT FLOOR TILE LOCATIONS TO BE LOCATED AT INSIDE CORNER OF DOOR.
3. ALL PAINTED STEEL BRACING AND COLUMNS TO BE PAINTED XXX, UNLESS NOTED OTHERWISE.
4. ALL GROUT JOINTS TO BE NO LARGER THAN 1/8".
5. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
6. COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.
7. SEE ELEVATION SHEETS FOR ALL WALL TILE PATTERNS.
8. AT SOFFITS RECEIVING COLOR- PAINT ALL SIDES OF SOFFIT.
9. ALL WOOD TRIM TO BE STAINED TO MATCH DOOR STAIN.
10. ALL COUNTERTOP, BACKSPLASHES, AND EDGE BANDING TO HAVE COORDINATING FINISHES.
11. PROVIDE A SMOOTH TRANSITION AT ALL FLOOR MATERIALS - CONTRACTOR TO INSTALL ALL FLOOR FINISHES AT SAME LEVEL, DESPITE DIFFERENT THICKNESS. PROVIDE FLOOR TRANSITION WHERE OCCURS.
12. PROVIDE TILE XXX: 4"X4" CERAMIC WALL TILE' AT ALL JANITOR SINKS. PROVIDE TILE BULLNOSE TO FINISH OFF ALL EXPOSED EDGES.
13. ALL WALLS RECEIVING TILE WAINSCOT TO RECEIVE PAINT W1 ABOVE, UNO SEE FINISH PLANS FOR ACCENT WALL LOCATIONS.
14. SEE SHEET A580 FOR FLOORING TRANSITION DETAILS.
15. ALL HANDRAILS AND STRINGERS AT STAIRS, EXCLUDING MAIN STAIR CASE, STARTING AT LOBBY 125 TO BE PAINTED "W16" GLOSS FINISH
16. ALL HM DOOR AND FRAMES TO BE XXX.
17. ALL EXPOSED CEILINGS TO BE PAINTED. REFER TO REFLECTED CEILING PLANS.
18. AT ALL TILE WAINSCOT, SCRIBE BOTTOM TILE TO MATCH FINISH FLOOR SURFACE AND CAULK WITH BASE "B2".
19. AT ALL RECEPTION DESKS, USE WOOD VENEER "WV1"
20. FLOOR 1 AND 3: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" CUSTOM YELLOW TO MATCH ARCHITECT'S CONTROL SAMPLE. BACKGROUND CARPET TO BE SHAW 18"X36" LAYERED 95761.
21. FLOOR 2 AND 5: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95870 SUNDRIED. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
22. FLOOR 2M: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95875 ORANGE. BACKGROUND COLOR TO BE SHAW, 18"X36" WASHED 95106.
23. FLOOR 4: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95668 PAPRIKA. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
24. AT LEVEL ONE LOBBY 125: FLOOR FINISH PATTERN AS DETAILED ON SHEET C2/A581.
25. ALL EXPOSED BRACING TO BE PAINTED "W17" SATIN FINISH.
26. ALL BUILT IN BOOKSHELVES AND LATERAL FILES TO RECEIVE "PL1"
27. ALL BUILT IN RECEPTION DESKS TO RECEIVE "PL1"
28. ALL RECEPTION DESK WRITING SURFACES, AT 42" HIGH, TO RECEIVE "QTZ1"
29. ALL RECEPTION DESK WRITING SURFACES, AT 30", TO RECEIVE "PL2"
30. ALL WORK TABLES AT WORK ROOMS TO RECEIVE "PL1" AT CABINETRY.
31. ALL SOLID SURFACE SILLS TO RECEIVE "SS1"
32. ALL FREESTANDING FILL DRAWERS TO RECEIVE "PL1" ALL SIDED
33. ALL BUILT IN FILE DRAWERS TO RECEIVE "PL1" ALL EXPOSED SIDES
34. ALL MAILBOX SLOTS TO RECEIVE "PL1" ALL SIDES
35. ALL WRITING SURFACES AT MILLWORK WORKROOMS TO RECEIVE "PL2" UNO
36. BACKSPLASHES TO MATCH ADJACENT COUNTERTOP MATERIAL TYP.
37. ALL PLASTIC LAMINATE OR QUARTZ SURFACE CALLOUTS REFER TO COUNTERTOP SURFACE ONLY.
38. DO NOT PAINT ACCENT COLOR WHERE VINYL MARKERBOARD MATERIAL OCCURS. SEE ELEV.
39. ALL BUILT IN PENCIL DRAWERS TO RECEIVE "PL1".
40. AT BACK OF MILLWORK, WHERE PLASTIC LAMINATE IS NOTED, USE "PL1". WHERE PAINTED GYP IS NOTED, PAINT TO MATCH ADJACENT WALL. ALL STEEL ANGLES MATCH ADJACENT WALL COLOR.

FINISH PLAN SYMBOLS

WALL / FLOOR / WALL — F7 W7 W7 B2 — WALL / BASE / WALL

NOTE

SINGLE FINISH SYMBOLS INDICATE WHERE FINISHES ARE DIFFERENT FROM GENERAL ROOM FINISHES, OR PROVIDE ADDITIONAL FINISH INFORMATION

CHANGE AT FLOOR MATERIAL

XX — SIGNAGE TAG- SEE SIGNAGE SHEETS FOR DETAILS

FINISH PLAN LEGEND

WALL MATERIALS

W1	PRIMED & PAINTED WALL SURFACE- GENERAL
W2	PRIMED & PAINTED WALL SURFACE
W3	PRIMED & PAINTED WALL SURFACE
W4	PRIMED & PAINTED WALL SURFACE
W5	PRIMED & PAINTED WALL SURFACE
W6	TILE AT RESTROOMS
W7	TILE AT RESTROOMS
W8	TILE AT RESTROOMS
W9	TILE AT RESTROOMS
W10	PRIMED & PAINTED WALL SURFACE
W11	WALL TILE
W12	CEILING COLOR
W13	VENITIAN PLASTER
W14	N/A
W15	TILE
W16	PRIMED & PAINTED WALL SURFACE
W17	PRIMED & PAINTED WALL SURFACE
W18	PRIMED & PAINTED WALL SURFACE
W19	ACOUSTICAL PANELS
W20	PRIMED AND PAINTED

FLOOR MATERIALS.

F1	CARPET TILE
F2	CARPET TILE
F3	CARPET TILE
F4	CARPET TILE
F5	CARPET TILE
F6	CARPET TILE
F7	PENNY TILE
F8	PORCELAIN TILE
F9	PORCELAIN TILE
F10	PORCELAIN TILE
F11	MARMOLEUM
F12	SEALED CONCRETE
F13	CONCRETE PAVER
F14	RAISED FLOOR
F15	QUARRY TILE
F16	TRAFFIC COATING
F17	WALK OFF CARPET
F18	WALK OFF GRILLE
F19	COLORED CONCRETE
F20	COLORED CONCRETE
F21	CARPET BROADLOOM
F22	CHEMICAL RESISTANT FLOORING

BASE MATERIALS

B1	4" RUBBER BASE
B2	NO BASE- CAULK BETWEEN FLOOR AND WALL
B3	CERAMIC TILE BASE
B4	WOOD BASE
B5	TILE BASE
B6	METAL REVEAL BASE
B7	TRAFFIC COATING EXTENDED 6" UP WALL

OTHER MATERIALS

QTZ1	QUARTZ SURFACE
QTZ2	QUARTZ SURFACE
QTZ3	QUARTZ SURFACE
SS1	SOLID SURFACE AT SILLS
TP1	TOILET PARTITION
US1	URINAL SCREEN
CG1	CORNER GUARDS
WV1	WOOD VENEER
WS1	WOOD STAIN

PLASTIC LAMINATE

PL1	PLASTIC LAMINATE
PL2	PLASTIC LAMINATE
PL3	PLASTIC LAMINATE
PL4	CHEMICAL LAMINATE
TKBD1	TACKBOARD
TKBD2	TACKBOARD
TKBD3	TACKBOARD
GR1	GRAPHIC WALL

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LEVEL 04 FINISH PLAN

A141.3

Sheet Number

A1 LEVEL 04 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

GENERAL CEILING NOTES

1- REFER TO DETAIL C6/A840 FOR TYPICAL CEILING SUSPENSION & SEISMIC BRACING

2- REFER TO DETAIL A6/A840 FOR TYPICAL SUSPENDED GYP. BOARD CEILINGS

3- ALL UNIDENTIFIED CEILING TYPES ON THE PLANS SHALL BE TYPE "B" AT 9'-4" A.F.F.

4- GRID SUSPENSION SYSTEMS SHALL BE CENTERED WITHIN AREAS INDICATED, UNLESS NOTED OTHERWISE

5- ALL EXPOSED STRUCTURE, MECHANICAL, DUCTS, ELECTRICAL WORK, PIPING, ETC.. SHALL BE PAINTED. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR "W10" AS NOTED IN FINISH SCHEDULE AT TYPE "A" ABOVE VENTWOOD & TYPE "B" CEILING CLOUDS. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR WHITE WHERE NO CEILING EXISTS.

6- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF MECHANICAL GRILLES AND TO MECHANICAL DRAWINGS FOR QUANTITIES AND TYPES

7- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES

8- MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE WORK WITH SPRINKLER CONTRACTOR TO AVOID CONFLICTS IN FIELD. NOTE: ADDITIONAL MONIES WILL NOT BE PAID TO SUBCONTRACTORS FOR REWORK REQUIRED DUE TO LACK OF COORDINATION.

9- ALL CEILING HEIGHTS ARE ELEVATION ABOVE TOP OF FINISHED FLOOR.

10- ALL TYPE "D" CEILINGS IN RESTROOMS, LOCKER ROOMS, AND WET AREAS TO BE EPOXY PAINTED. EXTEND GYP. TO DECK WHERE EXPOSED.

11- BLACK SPRAY APPLIED INSULATION TO BE APPLIED TO THE UNDERSIDE OF DECK ABOVE ALL TYPE "A" CEILING SYSTEMS, 2" THICK.

12- ALL LAY-IN TILE CEILING CLOUDS, WHERE GRID DOES NOT MEET THE WALL OR HAS A BREAK IN THE PLANE OF THE CEILING, IS TO HAVE 4" TRIM AS PER DETAIL C1/A540 AND C5/A540. ALL EXPOSED SURFACES ABOVE PLANE OF CEILING TO BE PAINTED.

13 - EVERY WINDOW, STOREFRONT AND CURTAINWALL UNIT AT THE EXTERIOR WALLS OF THE BUILDING SHALL BE EQUIPPED WITH A ROLL-DOWN WINDOW SHADE ASSEMBLY AT THE INTERIOR OF THE UNIT. THE INTERIOR WINDOW UNITS THAT ARE TO BE EQUIPPED WITH A ROLL-DOWN SHADE ARE SPECIFICALLY CALLED OUT IN THESE CONSTRUCTION DOCUMENTS.

CEILING TYPES

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE CEILING TYPE AND HEIGHT

CEILING TYPE — X X'-X" — CEILING HEIGHT

NOTE: WHERE CEILINGS ARE NOT A CONSTANT ELEVATION "VAR" MEANING "VARIES" APPEARS IN THE CEILING HEIGHT FIELD. WHERE NO CEILING OCCURS "EXP" MEANING "EXPOSED" APPEARS IN THE CEILING HEIGHT FIELD.

A-	VENTED WOOD CEILING SYSTEM, PAINT ALL EXPOSED SURFACES ABOVE & BLACK SPRAY APPLIED INSULATION TO DECK ABOVE
B-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING
C1-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING
C2-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (VINYL COATED)
C3-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (CLEAN ROOM) PAINT ALL SURFACES OF PLENUM ABOVE
D-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, U.N.O. UTILIZE EPOXY PAINT AT RESTROOMS AND JANITOR CLOSETS
E-	EXPOSED STRUCTURE, PAINT ALL EXPOSED SURFACES PER NOTE 5 ABOVE
F-	PRE-FINISHED METAL SOFFIT PANELS OVER INFILTRATION BARRIER OVER 1/2" FIRE RETARDANT TREATED WOOD SHEATHING SUPPORTED WITH A SUSPENDED SOFFIT SYSTEM
G-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING, GROOVED
H-	METAL CEILING
J-	PRE- FINISHED EXTERIOR COMPOSITE METAL SOFFIT
K-	SUSPENDED ACOUSTICAL LAY-IN CEILING 2'-6" X 5' FIELD PANELS, 0'-6" X 6' TECHNICAL PANELS
L-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, 2 HR RATED
M-	GYP. BOARD STAIR WRAP WITH VINYL GRAPHIC. SEE STAIR SECTIONS.

HEADER LEGEND

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE HEADER HEIGHT

HEADER TYPE — XX

NOTE: AT STUD HEADERS VERTICAL 3-5/8" STUDS WITH 5/8" GYP. BOARD BOTH SIDES EXTEND FROM THE BOTTOM OF HEADER TO DECK ABOVE, UNLESS OTHERWISE DETAILED.

H1	GYP. BOARD HEADER AT 7'-0". SEE DETAIL E6/A840
H2	GYP. BOARD HEADER AT 9'-0". SEE DETAIL E6/A840
H3	GYP. BOARD HEADER AT 11'-4". SEE DETAIL E6/A840
H4	GYP. BOARD HEADER AT 11'-10". SEE DETAIL E6/A840
H5	GYP. BOARD HEADER AT 12'-0". SEE DETAIL E6/A840
H6	GYP. BOARD HEADER AT 9'-4". SEE DETAIL E6/A840

CEILING LEGEND

THE FOLLOWING SYMBOLS ARE USED ON THE REFLECTED CEILING PLAN SHEETS TO REPRESENT ELECTRICAL AND MECHANICAL DEVICES. THE REFLECTED CEILING PLANS ARE TO BE USED TO LOCATE THESE DEVICES. REFER TO THE ELECTRICAL AND MECHANICAL DRAWINGS FOR DEVICE TYPE DESCRIPTION AND QUANTITY EXCEPT FOR THE CEILING FANS. FAN TYPES AND QUANTITIES ARE TO BE TAKEN FROM THE REFLECTED CEILING PLAN SHEETS

GRAPHIC	DESCRIPTION
	FLUORESCENT LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE
	RECESSED DOWN LIGHT
	WALL WASH
	TRACK LIGHTING
	EXIT SIGN, SINGLE-SIDED
	EXIT SIGN, DOUBLE-SIDED
	FIRE ALARM
	SPEAKER
	SMOKE DETECTOR
	LINEAR DIFFUSER
	HVAC DIFFUSER, RETURN GRILLE, VENTILATION GRILLE
	OCCUPANCY SENSOR

KEYED NOTES

813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM, SEE DETAIL C2/A541
925 EXTRUDED ALUMINUM CEILING PERIMETER SHADE POCKET, SEE DETAIL D3/A540
930 EXTRUDED ALUMINUM CEILING PERIMETER DIFFUSER GRILL, SEE DETAIL D2/A540
1200 ROLLER WINDOW SHADES WITH POCKET

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LEVEL 04 REFLECTED CEILING PLAN

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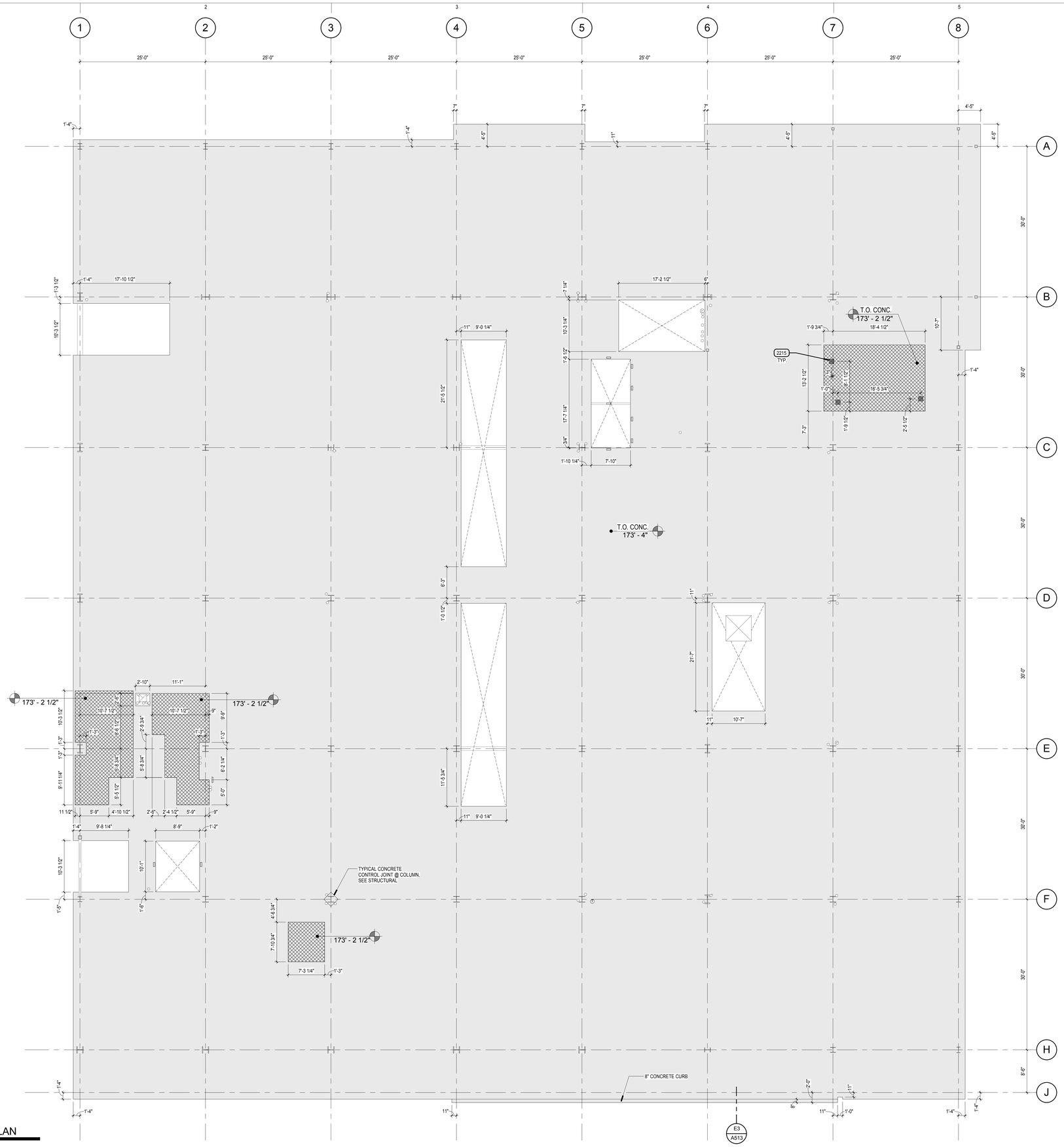

A1 LEVEL 05 SLAB EDGE PLAN

SCALE: 1/8" = 1'-0"

SLAB EDGE LEGEND

THE FOLLOWING PATTERNS ARE USED ON THE FLOOR SLAB EDGE PLAN SHEETS TO REPRESENT THE CONCRETE STRUCTURAL FLOOR SLAB AND ANY RECESSES IN THE SURFACE OF THAT SLAB

- 6 1/2" STRUCTURAL CONCRETE FLOOR SLAB
- 2" RECESS FOR WALK OFF MAT SYSTEM, VERIFY WITH MANUFACTURER
- 1 1/2" RECESS FOR THICK SET TILE

KEYED NOTES

2215 FLOOR SINK

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LEVEL 05 FLOOR SLAB EDGE PLAN

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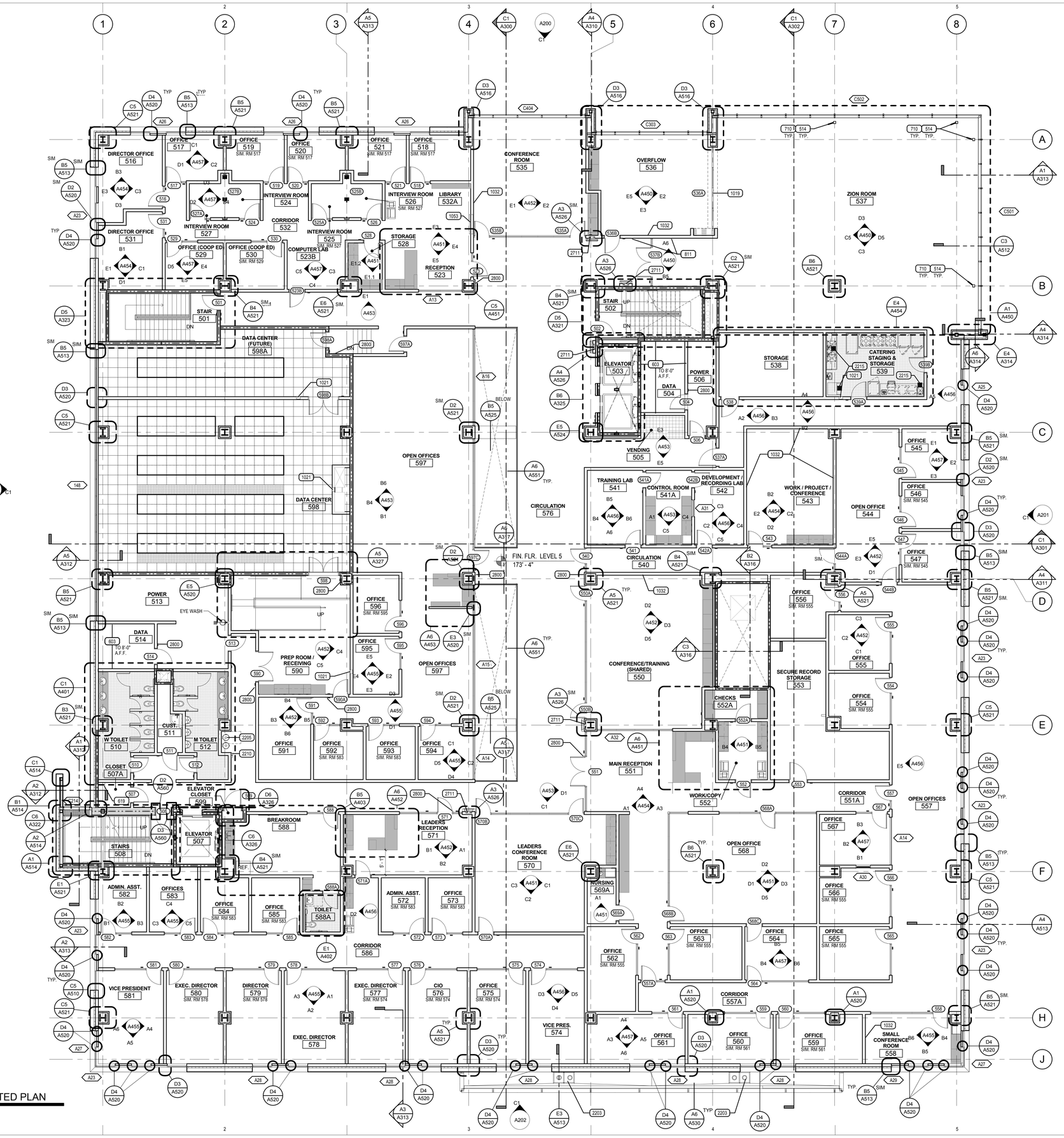

A1 LEVEL 05 ANNOTATED PLAN

SCALE: 1/8" = 1'-0"

PLAN NOTES

1. WHERE FLOOR DRAINS ARE INSTALLED THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT TO EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.
2. WHERE CONCRETE PADS ARE CALLED TO BE CONSTRUCTED UNDER EQUIPMENT THE SLAB IS TO BE 8" THICK, UNO, AND IS TO HAVE #4 BARS AT 18" O.C. EACH WAY. COORDINATE DIMENSIONS OF PAD WITH ACTUAL EQUIPMENT SPEC
3. SEE SHEET A580 FOR TYPICAL FLOORING TRANSITION DETAILS.
4. THE CONTRACTOR IS TO ENSURE THAT BETWEEN ANY FINISH FLOOR ELEVATION TO 34" A.F.F. ALL GUARDRAILS ARE TO BE CONSTRUCTED AND INSTALLED SO THAT A 4" SPHERE WILL NOT PASS BETWEEN ANY TWO ADJACENT GUARDRAIL COMPONENTS OR BETWEEN THE EDGE OF A GUARDRAIL AND ALL ADJACENT BUILDING ELEMENT SUCH AS A WALL OR FLOOR. AN 8" DIAMETER SPHERE IS NOT TO PASS BETWEEN THE ABOVE MENTIONED COMPONENTS AND ELEMENTS FROM AN ELEVATION 34" A.F.F. AND HIGHER.
5. SEE DETAIL C3/A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS

ROOM TAG LEGEND

THE ROOM TAG IS USED TO GIVE A ROOM NAME, ROOM NUMBER, AND WHERE APPLICABLE TO REFER TO A SIMILAR ROOM TO FIND INTERIOR ELEVATION INFORMATION

SECRETARIAL OFFICE — NAME OF ROOM
193 — ROOM NUMBER
SIM. RM 185 — ROOM NUMBER TO REFERENCE FOR INTERIOR ELEVATION INFORMATION

IN THE EXAMPLE ABOVE YOU WOULD REFER TO ROOM 185 TO SEE INTERIOR ELEVATION INFORMATION FOR ROOM 193

KEYED NOTES

514 STEEL COLUMN WITH 2 HOUR FIREPROOFING
603 3/4" FIRE TREATED PLYWOOD BACKING @ PANELS
619 16" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
710 2 HOUR INTUMESCENT COATING PER UL ASSEMBLY
811 ACCESSIBLE DOOR ACTIVATOR
1019 FOLDING PANEL PARTITION
1021 RECESSED FIRE EXTINGUISHER CABINET W/ FE, SEE DETAIL C3/A520
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1053 GLASS DISPLAY CASE
1104 VENDING MACHINE, NIC
2203 ROOF DRAIN & OVERFLOW ROOF DRAIN
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2210 ELECTRIC WATER BOTTLE FILLER UNIT (SHARES REMOTE CHILLER WITH ADJACENT ELECTRIC WATER COOLER)
2215 FLOOR SINK
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2800 ACCESS CONTROL

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LEVEL 05 ANNOTATED PLAN

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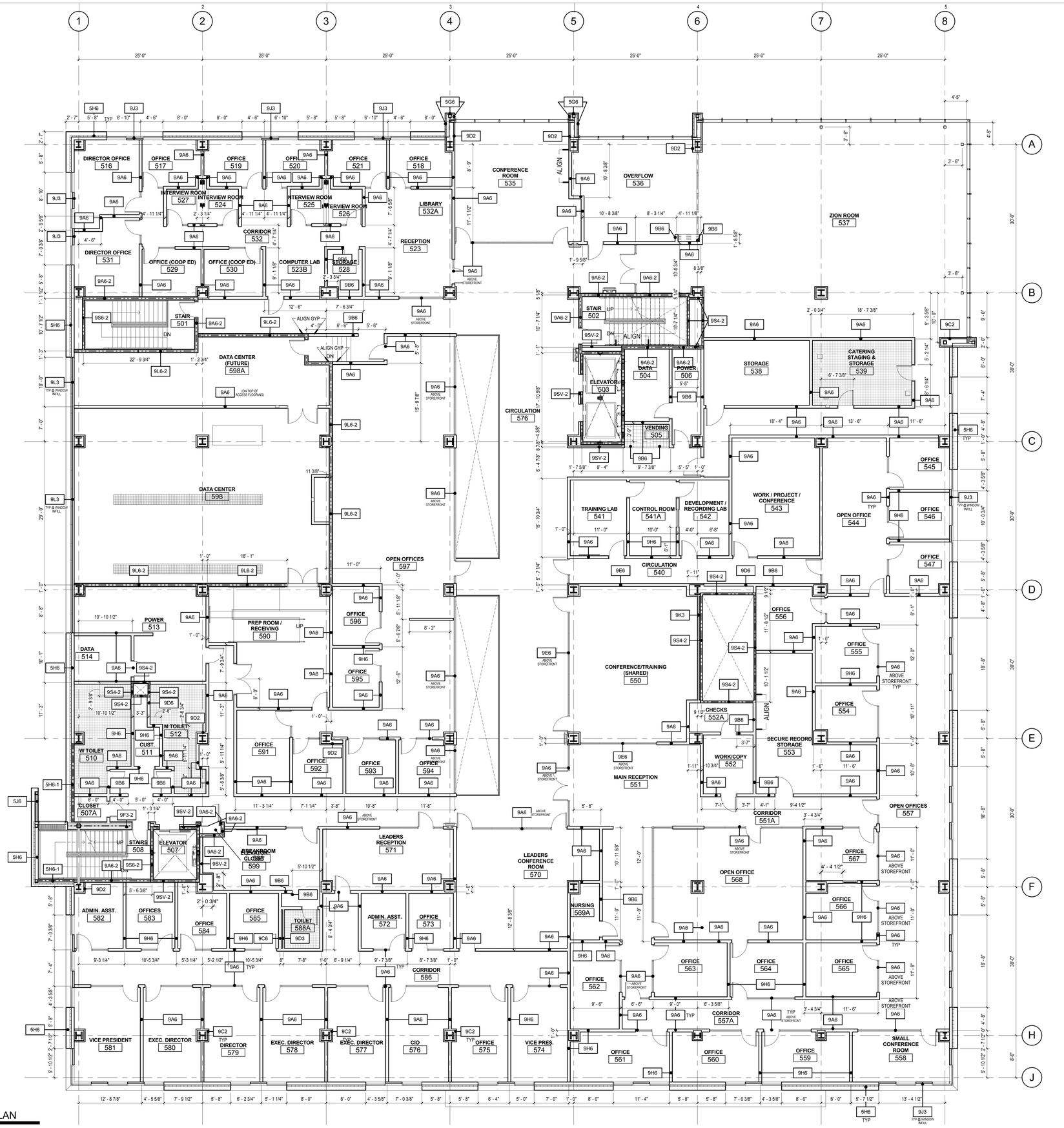

A1 LEVEL 05 DIMENSION PLAN

SCALE: 1/8" = 1'-0"

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DIMENSION NOTES

1. ALL DIMENSIONS ARE TO CENTER OF STUD WALL OR FACE OF CONCRETE, MASONRY OR ROUGH OPENING UNLESS NOTED OTHERWISE. WHERE THE END OF A WALL IS INDICATED THE DIMENSION IS TO THE FINISH SURFACE OF THE WALL END.
2. UNLESS DIMENSIONED OTHERWISE, THE DIMENSION FROM THE BUCK OF A DOOR FRAME IS TO BE 4" TO THE WALL CORNER.
3. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED.
4. ALL WALLS TO BE TYPE 9A6 UNLESS NOTED, OTHERWISE. SEE SHEETS A500 AND A501 FOR WALL TYPES AND NOTES.
5. ALL COLUMN WRAPS ARE TO BE CONSTRUCTED PER DETAIL A5/A521, UNLESS NOTED OTHERWISE.

PARTITION AND FRAMING GENERAL NOTES

1. PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE THE FINISH SHEETS AND INTERIOR ELEVATIONS FOR WALL FINISHES INCLUDING TILE COURSING AND LAYOUT AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
2. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.
3. PROVIDE **FIRE RATED CONSTRUCTION ASSEMBLIES** WHERE INDICATED ON SHEETS G100's AND FLOOR PLAN DRAWINGS.
4. ALL **FIRE RATED WALLS** SHOWN **WITH A SECOND WALL** IN FRONT OF IT SHALL BE COMPLETELY FINISHED AND TAPED PRIOR TO THE SECOND STUD WALL BEING ERECTED.
5. **SEE STRUCTURAL** DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS.
6. ALL **EXTERIOR STUD WALLS** TO HAVE CONTINUOUS INSULATION, AIR AND MOISTURE INFILTRATION BARRIER FOR THE FULL HEIGHT AND LENGTH OF THE WALL, SEAL ALL PENETRATIONS. SEE DETAIL AT C1/ A513 FOR TYPICAL TOP OF WALL CONDITION.
7. ALL EXTERIOR STUD WALLS ARE TO BE PROVIDED UNDER DIVISION 05 AND SIZED BY THE CONTRACTOR'S ENGINEER AS CALLED FOR IN THE SPECIFICATIONS.
8. THE AIR AND MOISTURE INFILTRATION BARRIER IS TO WRAP INTO ALL WINDOW AND DOOR OPENINGS.
9. **SEE EXTERIOR ELEVATIONS** FOR COURSING, MASONRY TYPES AND METAL PANEL ORIENTATION PER A2 ELEVATION SHEETS.
10. SEE THE A2 ELEVATION SHEETS FOR LOCATION OF **MASONRY STONE CONTROL JOINTS**. IF NOT OTHERWISE NOTED, LOCATE CONTROL JOINTS AT CORNER ABOVE DOORS, INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE BUT ARE **NOT TO EXCEED 30' OC. CONSULT WITH ARCHITECT PRIOR TO INSTALLING PER DETAIL A2/ A511.**
11. **PROTECTION OF MASONRY AND GPRC**: DURING CONSTRUCTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK, EXCEPT WHEN THE AMBIENT TEMPERATURE IS EXPECTED TO REMAIN ABOVE 65 DEG F AND NO PRECIPITATION IS FORECAST FOR THE NEXT 24 HOURS. (THIS IS TO PREVENT CONDENSATION FROM COVERED WALLS CAUSING A MOISTURE PROBLEM.) COVER PARTIALLY COMPLETED MASONRY EACH DAY THAT CONSTRUCTION IS NOT IN PROGRESS. WALLS ARE TO BE PROTECTED UNTIL THEY ARE PERMANENTLY PROTECTED BY THE ROOFING MEMBRANE OVER THE CAP PLATE. THE GENERAL CONTRACTOR IS TO PROVIDE TEMPORARY PROTECTION IMMEDIATELY FOLLOWING THE TOPPING OUT OF EACH SECTION OF WALL BY INSTALLING WATERPROOF SHEETING OVER A CONTINUOUS CAP PLATE UNTIL THE ROOFING MEMBRANE IS INSTALLED.
12. AT ALL **INTERIOR WALLS**: STUDS, INSULATION AND GYPSUM BOARD ARE TO EXTEND TO THE DECK ABOVE UNLESS NOTED OTHERWISE.
13. WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT ROOMS WITH WALL TYPE 9A6 BEING THE TYPICAL INTERIOR WALL. SEE SHEETS FOR FINISHES, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
14. ALL INTERIOR METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND ARE TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET. THICKNESS TO MATCH STUD DEPTH, UNLESS NOTED OTHERWISE.
15. REFER TO SHEET A520 FOR TYPICAL INTERIOR WALL CONDITIONS ASSOCIATED WITH ALL METAL STUD PARTITIONS.
16. PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. **CONSULT WITH ARCHITECT PRIOR TO COMMENCING FRAMING.** INSTALL PER DETAILS A2 AND A3/ A520 FOR CONTROL JOINTS.
17. AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, ETC., GYPSUM BOARD IS TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE GAP BETWEEN THE OBJECT AND THE WALL IS TO BE SEALED W/ ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT AT ALL SIDES. MAXIMUM. THE OPENING FOR DUCTS OR LARGE PENETRATIONS SHALL BE FRAMED WITH A HEADER, ADD AN ANGLED CORNER BRACE IF THE GAP EXCEEDS 3" FROM FRAMING TO THE OPENING. INSTALL PER A RATED SYSTEM IF AT A RATED WALL.
18. CONTRACTOR TO PROVIDE BLOCKING / BACKING FOR ALL WALL MOUNTED EQUIPMENT. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR CABINETS, GRAB BARS ETC. INSTALL BLOCKING AS DETAILED OR AS REQUIRED TO MOUNT SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED. INSTALL PER SHEET A510.
19. SEE DETAIL B3/ A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS.
20. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:
    a. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE.
    b. USE 16" OC MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING IF ALLOWED IN THESE DOCUMENTS.
    c. USE STUDS OF GAGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAGE TESTED, 20 GA (30 MILS) IS THE MINIMUM ALLOWED IN THESE DOCUMENTS.
    d. USE STUDS OF DEPTH INDICATED BY THIS SET OF DOCUMENTS. THE DEPTH STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH TESTED DEPTH ALLOWED IN THESE DOCUMENTS. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS
20. INSTALL ONE LAYER OF 5/8" GLASS MAT TILE BACKER BOARD IN LIEU OF GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION WHERE THERE IS NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED PARTITIONS AT THE FOLLOWING LOCATIONS.
    a. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS.
    b. WHERE CERAMIC TILE FINISHES ARE INDICATED PER THE FINISH PLANS AND/ OR INTERIOR ELEVATIONS.
    c. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.
21. **WHERE THERE IS LIMITED WATER EXPOSURE:** INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD PER ASTM C1396 (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS:
    a. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SINKS
    b. AT OTHER LOCATIONS, I.E. TOILET ROOMS AND KITCHENS, AND AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.

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CONFORMED CONSTRUCTION DOCUMENTS BID SET

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LEVEL 05 DIMENSION PLAN

A151.2

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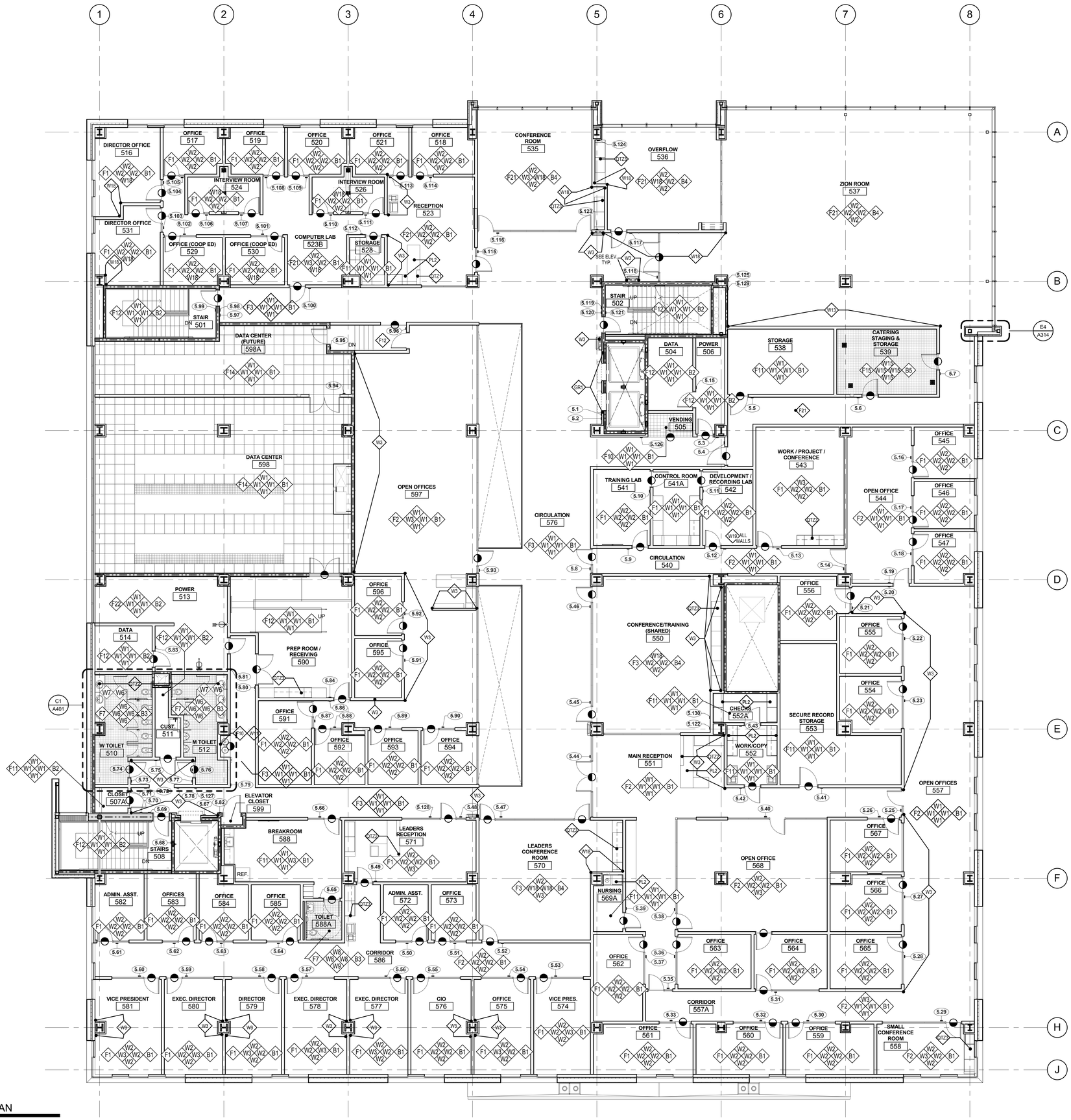

A1 LEVEL 05 FINISH PLAN

SCALE: 1/8" = 1'-0"

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GENERAL FINISH NOTES

1. PROVIDE EPOXY PAINT AT ALL RESTROOMS AND JANITOR CLOSETS.
2. ALL FLOOR TRANSITIONS TO BE LOCATED AT CENTER OF DOOR, UNO ALL FLOOR TRANSITIONS AT FLOOR TILE LOCATIONS TO BE LOCATED AT INSIDE CORNER OF DOOR.
3. ALL PAINTED STEEL BRACING AND COLUMNS TO BE PAINTED XXX, UNLESS NOTED OTHERWISE.
4. ALL GROUT JOINTS TO BE NO LARGER THAN 1/8".
5. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
6. COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.
7. SEE ELEVATION SHEETS FOR ALL WALL TILE PATTERNS.
8. AT SOFFITS RECEIVING COLOR- PAINT ALL SIDES OF SOFFIT.
9. ALL WOOD TRIM TO BE STAINED TO MATCH DOOR STAIN.
10. ALL COUNTERTOP, BACKSPLASHES, AND EDGE BANDING TO HAVE COORDINATING FINISHES.
11. PROVIDE A SMOOTH TRANSITION AT ALL FLOOR MATERIALS - CONTRACTOR TO INSTALL ALL FLOOR FINISHES AT SAME LEVEL, DESPITE DIFFERENT THICKNESS. PROVIDE FLOOR TRANSITION WHERE OCCURS.
12. PROVIDE TILE XXX: 4"X4" CERAMIC WALL TILE' AT ALL JANITOR SINKS. PROVIDE TILE BULLNOSE TO FINISH OFF ALL EXPOSED EDGES.
13. ALL WALLS RECEIVING TILE WAINSCOT TO RECEIVE PAINT W1 ABOVE, UNO SEE FINISH PLANS FOR ACCENT WALL LOCATIONS.
14. SEE SHEET A580 FOR FLOORING TRANSITION DETAILS.
15. ALL HANDRAILS AND STRINGERS AT STAIRS, EXCLUDING MAIN STAIR CASE, STARTING AT LOBBY 125 TO BE PAINTED "W16" GLOSS FINISH
16. ALL HM DOOR AND FRAMES TO BE XXX.
17. ALL EXPOSED CEILINGS TO BE PAINTED. REFER TO REFLECTED CEILING PLANS.
18. AT ALL TILE WAINSCOT, SCRIBE BOTTOM TILE TO MATCH FINISH FLOOR SURFACE AND CAULK WITH BASE 'B2'.
19. AT ALL RECEPTION DESKS, USE WOOD VENEER "WV1"
20. FLOOR 1 AND 3: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" CUSTOM YELLOW TO MATCH ARCHITECT'S CONTROL SAMPLE. BACKGROUND CARPET TO BE SHAW 18"X36" LAYERED 95761.
21. FLOOR 2 AND 5: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95870 SUNDRIED. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
22. FLOOR 2M: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95675 ORANGE. BACKGROUND COLOR TO BE SHAW, 18"X36" WASHED 95106.
23. FLOOR 4: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95668 PAPRIKA. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
24. AT LEVEL ONE LOBBY 125: FLOOR FINISH PATTERN AS DETAILED ON SHEET C2/A581.
25. ALL EXPOSED BRACING TO BE PAINTED "W17" SATIN FINISH.
26. ALL BUILT IN BOOKSHELVES AND LATERAL FILES TO RECEIVE "PL1"
27. ALL BUILT IN RECEPTION DESKS TO RECEIVE "PL1"
28. ALL RECEPTION DESK WRITING SURFACES, AT 42" HIGH, TO RECEIVE "QTZ1"
29. ALL RECEPTION DESK WRITING SURFACES, AT 30", TO RECEIVE "PL2"
30. ALL WORK TABLES AT WORK ROOMS TO RECEIVE "PL1" AT CABINETRY.
31. ALL SOLID SURFACE SILLS TO RECEIVE "SS1"
32. ALL FREESTANDING FILL DRAWERS TO RECEIVE "PL1" ALL SIDED
33. ALL BUILT IN FILE DRAWERS TO RECEIVE "PL1" ALL EXPOSED SIDES
34. ALL MAILBOX SLOTS TO RECEIVE "PL1" ALL SIDES
35. ALL WRITING SURFACES AT MILLWORK WORKROOMS TO RECEIVE "PL2" UNO
36. BACKSPLASHES TO MATCH ADJACENT COUNTERTOP MATERIAL TYP.
37. ALL PLASTIC LAMINATE OR QUARTZ SURFACE CALLOUTS REFER TO COUNTERTOP SURFACE ONLY.
38. DO NOT PAINT ACCENT COLOR WHERE VINYL MARKERBOARD MATERIAL OCCURS. SEE ELEV.
39. ALL BUILT IN PENCIL DRAWERS TO RECEIVE "PL1".
40. AT BACK OF MILLWORK, WHERE PLASTIC LAMINATE IS NOTED, USE "PL1". WHERE PAINTED GYP IS NOTED, PAINT TO MATCH ADJACENT WALL. ALL STEEL ANGLES MATCH ADJACENT WALL COLOR.

FINISH PLAN SYMBOLS

WALL / FLOOR / WALL — F7 W2 W3 B4 — WALL / BASE / WALL

NOTE

SINGLE FINISH SYMBOLS INDICATE WHERE FINISHES ARE DIFFERENT FROM GENERAL ROOM FINISHES, OR PROVIDE ADDITIONAL FINISH INFORMATION

CHANGE AT FLOOR MATERIAL

XX — SIGNAGE TAG- SEE SIGNAGE SHEETS FOR DETAILS

FINISH PLAN LEGEND

WALL MATERIALS

W1	PRIMED & PAINTED WALL SURFACE- GENERAL
W2	PRIMED & PAINTED WALL SURFACE
W3	PRIMED & PAINTED WALL SURFACE
W4	PRIMED & PAINTED WALL SURFACE
W5	PRIMED & PAINTED WALL SURFACE
W6	TILE AT RESTROOMS
W7	TILE AT RESTROOMS
W8	TILE AT RESTROOMS
W9	TILE AT RESTROOMS
W10	PRIMED & PAINTED WALL SURFACE
W11	WALL TILE
W12	CEILING COLOR
W13	VENITIAN PLASTER
W14	N/A
W15	TILE
W16	PRIMED & PAINTED WALL SURFACE
W17	PRIMED & PAINTED WALL SURFACE
W18	PRIMED & PAINTED WALL SURFACE
W19	ACOUSTICAL PANELS
W20	PRIMED AND PAINTED

FLOOR MATERIALS

F1	CARPET TILE
F2	CARPET TILE
F3	CARPET TILE
F4	CARPET TILE
F5	CARPET TILE
F6	CARPET TILE
F7	PENNY TILE
F8	PORCELAIN TILE
F9	PORCELAIN TILE
F10	PORCELAIN TILE
F11	MARMOLEUM
F12	SEALED CONCRETE
F13	CONCRETE PAVER
F14	RAISED FLOOR
F15	QUARRY TILE
F16	TRAFFIC COATING
F17	WALK OFF CARPET
F18	WALK OFF GRILLE
F19	COLORED CONCRETE
F20	COLORED CONCRETE
F21	CARPET BROADLOOM
F22	CHEMICAL RESISTANT FLOORING

BASE MATERIALS

B1	4" RUBBER BASE
B2	NO BASE- CAULK BETWEEN FLOOR AND WALL
B3	CERAMIC TILE BASE
B4	WOOD BASE
B5	TILE BASE
B6	METAL REVEAL BASE
B7	TRAFFIC COATING EXTENDED 6" UP WALL

OTHER MATERIALS

QTZ1	QUARTZ SURFACE
QTZ2	QUARTZ SURFACE
QTZ3	QUARTZ SURFACE
SS1	SOLID SURFACE AT SILLS
TP1	TOILET PARTITION
US1	URINAL SCREEN
CC1	CORNER GUARDS
WV1	WOOD VENEER
WS1	WOOD STAIN

PLASTIC LAMINATE

PL1	PLASTIC LAMINATE
PL2	PLASTIC LAMINATE
PL3	PLASTIC LAMINATE
PL4	CHEMICAL LAMINATE
TKBD1	TACKBOARD
TKBD2	TACKBOARD
TKBD3	TACKBOARD
GR1	GRAPHIC WALL

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LEVEL 05 FINISH PLAN

A151.3

Sheet Number

A1 LEVEL 05 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

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GENERAL CEILING NOTES

1- REFER TO DETAIL C6/A840 FOR TYPICAL CEILING SUSPENSION & SEISMIC BRACING

2- REFER TO DETAIL A6/A840 FOR TYPICAL SUSPENDED GYP. BOARD CEILINGS

3- ALL UNIDENTIFIED CEILING TYPES ON THE PLANS SHALL BE TYPE "B" AT 9'-4" A.F.F.

4- GRID SUSPENSION SYSTEMS SHALL BE CENTERED WITHIN AREAS INDICATED, UNLESS NOTED OTHERWISE

5- ALL EXPOSED STRUCTURE, MECHANICAL, DUCTS, ELECTRICAL WORK, PIPING, ETC., SHALL BE PAINTED. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR "W10" AS NOTED IN FINISH SCHEDULE AT TYPE "A" ABOVE VENTWOOD & TYPE "B" CEILING CLOUDS. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR WHITE WHERE NO CEILING EXISTS.

6- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF MECHANICAL GRILLES AND TO MECHANICAL DRAWINGS FOR QUANTITIES AND TYPES

7- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES

8- MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE WORK WITH SPRINKLER CONTRACTOR TO AVOID CONFLICTS IN FIELD. NOTE: ADDITIONAL MONIES WILL NOT BE PAID TO SUBCONTRACTORS FOR REWORK REQUIRED DUE TO LACK OF COORDINATION.

9- ALL CEILING HEIGHTS ARE ELEVATION ABOVE TOP OF FINISHED FLOOR.

10- ALL TYPE "D" CEILINGS IN RESTROOMS, LOCKER ROOMS, AND WET AREAS TO BE EPOXY PAINTED. EXTEND GYP. TO DECK WHERE EXPOSED.

11- BLACK SPRAY APPLIED INSULATION TO BE APPLIED TO THE UNDERSIDE OF DECK ABOVE ALL TYPE "A" CEILING SYSTEMS, 2" THICK.

12- ALL LAY-IN TILE CEILING CLOUDS, WHERE GRID DOES NOT MEET THE WALL OR HAS A BREAK IN THE PLANE OF THE CEILING, IS TO HAVE 4" TRIM AS PER DETAIL C1/A540 AND C5/A540. ALL EXPOSED SURFACES ABOVE PLANE OF CEILING TO BE PAINTED.

13 - EVERY WINDOW, STOREFRONT AND CURTAINWALL UNIT AT THE EXTERIOR WALLS OF THE BUILDING SHALL BE EQUIPPED WITH A ROLL-DOWN WINDOW SHADE ASSEMBLY AT THE INTERIOR OF THE UNIT. THE INTERIOR WINDOW UNITS THAT ARE TO BE EQUIPPED WITH A ROLL-DOWN SHADE ARE SPECIFICALLY CALLED OUT IN THESE CONSTRUCTION DOCUMENTS.

CEILING TYPES

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE CEILING TYPE AND HEIGHT

CEILING TYPE — X X-X" — CEILING HEIGHT

NOTE: WHERE CEILINGS ARE NOT A CONSTANT ELEVATION "VAR" MEANING "VARIES" APPEARS IN THE CEILING HEIGHT FIELD. WHERE NO CEILING OCCURS "EXP" MEANING "EXPOSED" APPEARS IN THE CEILING HEIGHT FIELD.

A-	VENTED WOOD CEILING SYSTEM, PAINT ALL EXPOSED SURFACES ABOVE & BLACK SPRAY APPLIED INSULATION TO DECK ABOVE
B-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING
C1-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING
C2-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (VINYL COATED)
C3-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (CLEAN ROOM) PAINT ALL SURFACES OF PLENUM ABOVE
D-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, U.N.O. UTILIZE EPOXY PAINT AT RESTROOMS AND JANITOR CLOSETS
E-	EXPOSED STRUCTURE, PAINT ALL EXPOSED SURFACES PER NOTE 5 ABOVE
F-	PRE-FINISHED METAL SOFFIT PANELS OVER INFILTRATION BARRIER OVER 1/2" FIRE RETARDANT TREATED WOOD SHEATHING SUPPORTED WITH A SUSPENDED SOFFIT SYSTEM
G-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING, GROOVED
H-	METAL CEILING
J-	PRE- FINISHED EXTERIOR COMPOSITE METAL SOFFIT
K-	SUSPENDED ACOUSTICAL LAY-IN CEILING 2'-6" X 5' FIELD PANELS, 0'-6" X 5' TECHNICAL PANELS
L-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, 2 HR RATED
M-	GYP. BOARD STAIR WRAP WITH VINYL GRAPHIC. SEE STAIR SECTIONS.

HEADER LEGEND

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE HEADER HEIGHT

HEADER TYPE — XX

NOTE: AT STUD HEADERS VERTICAL 3-5/8" STUDS WITH 5/8" GYP. BOARD BOTH SIDES EXTEND FROM THE BOTTOM OF HEADER TO DECK ABOVE, UNLESS OTHERWISE DETAILED.

H1	GYP. BOARD HEADER AT 7'-0". SEE DETAIL E6/A840
H2	GYP. BOARD HEADER AT 9'-0". SEE DETAIL E6/A840
H3	GYP. BOARD HEADER AT 11'-4". SEE DETAIL E6/A840
H4	GYP. BOARD HEADER AT 11'-10". SEE DETAIL E6/A840
H5	GYP. BOARD HEADER AT 12'-0". SEE DETAIL E6/A840
H6	GYP. BOARD HEADER AT 9'-4". SEE DETAIL E6/A840

CEILING LEGEND

THE FOLLOWING SYMBOLS ARE USED ON THE REFLECTED CEILING PLAN SHEETS TO REPRESENT ELECTRICAL AND MECHANICAL DEVICES. THE REFLECTED CEILING PLANS ARE TO BE USED TO LOCATE THESE DEVICES. REFER TO THE ELECTRICAL AND MECHANICAL DRAWINGS FOR DEVICE TYPE DESCRIPTION AND QUANTITY EXCEPT FOR THE CEILING FANS. FAN TYPES AND QUANTITIES ARE TO BE TAKEN FROM THE REFLECTED CEILING PLAN SHEETS

GRAPHIC	DESCRIPTION
	FLUORESCENT LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE
	RECESSED DOWN LIGHT
	WALL WASH
	TRACK LIGHTING
	EXIT SIGN, SINGLE-SIDED
	EXIT SIGN, DOUBLE-SIDED
	FIRE ALARM
	SPEAKER
	SMOKE DETECTOR
	LINEAR DIFFUSER
	HVAC DIFFUSER, RETURN GRILLE, VENTILATION GRILLE
	OCCUPANCY SENSOR

KEYED NOTES

813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM, SEE DETAIL C2/A541
925 EXTRUDED ALUMINUM CEILING PERIMETER SHADE POCKET, SEE DETAIL D3/A540
1200 ROLLER WINDOW SHADES WITH POCKET

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LEVEL 05 REFLECTED CEILING PLAN

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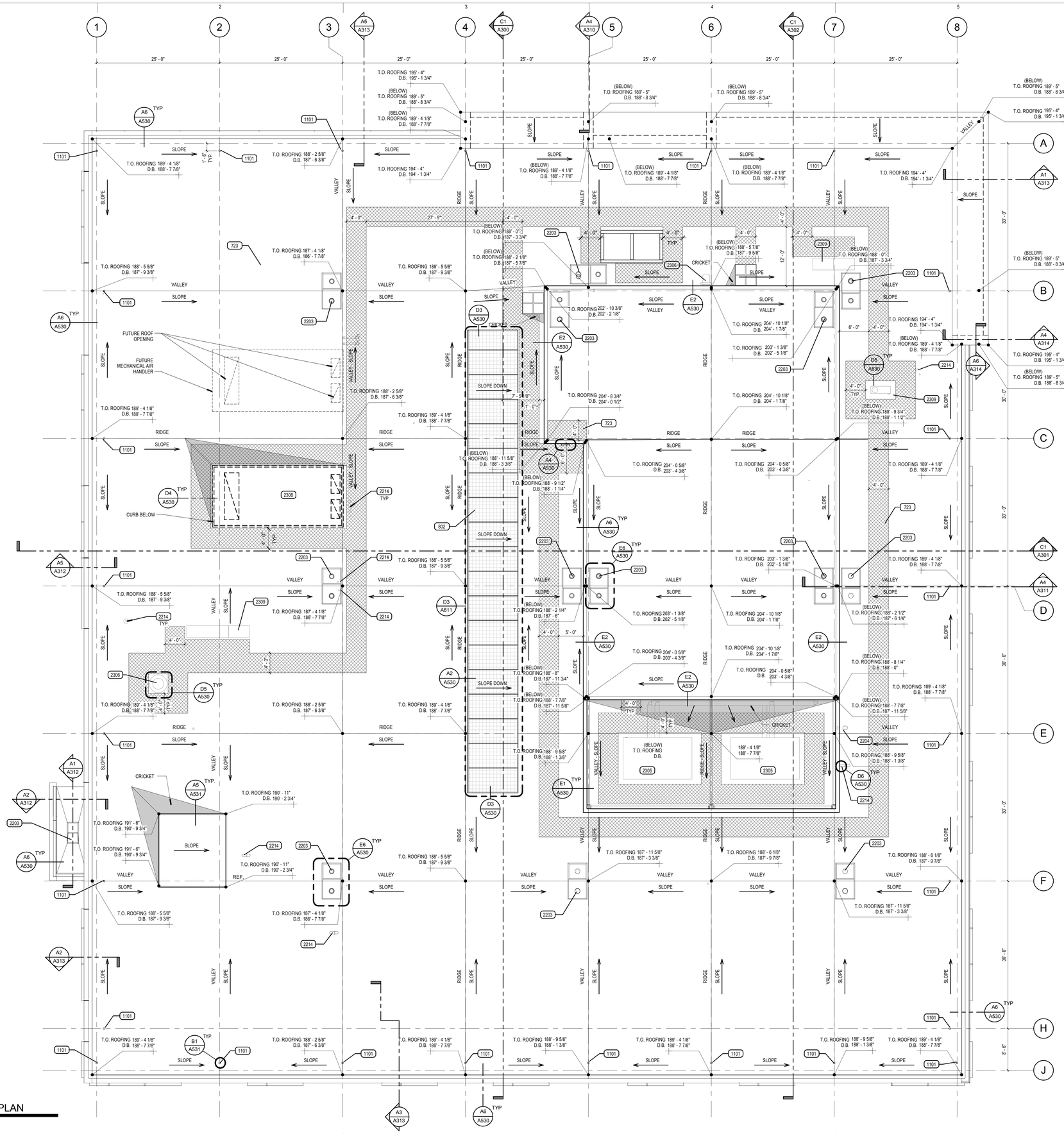

A1 ROOF ANNOTATED PLAN

SCALE: 1/8" = 1'-0"

GENERAL ROOF NOTES

1. ALL ROOF DECK IS TO BE COVERED IN R-30 INSULATION AND SPECIFIED ROOFING SYSTEM.
2. THE CONTRACTOR IS TO ASSURE THAT THE MINIMUM ROOF SLOPE IS NOT LESS THAN 1/2" PER FOOT. ANY AREA THAT IS LESS THAN 1/2" PER FOOT SLOPE SHALL BE ADJUSTED AT THE CONTRACTORS EXPENSE WITH CRICKETING TO PROVIDE THE REQUIRED SLOPE.
3. DECK BEARING ELEVATIONS SHOWN ON THIS SHEET ARE TO BE INCLUDED FOR ARCHITECT'S REFERENCE ON ALL STEEL SHOP DRAWINGS.
4. ALL ROOFING CRICKETS ARE TO BE CONSTRUCTED OF TAPERED INSULATION. CRICKETS ARE TO BE INSTALLED SO THAT A SLOPE OF 1/4" PER FOOT IS MAINTAINED ACROSS THE FACE OF THE CRICKET.
5. PROVIDE CRICKETS AT **ALL** ROOF TOP MOUNTED EQUIPMENT (I.E. SKYLIGHTS, ROOF HATCHES, ETC.) TO ASSURE POSITIVE DRAINAGE AROUND SUCH ELEMENTS.
6. ALL FLASHING, COUNTER FLASHING AND SHEET METAL WORK TO COMPLY WITH THE MINIMUM STANDARDS PER THE CURRENT EDITION OF SMACNA.
7. NOT ALL ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS ARE SHOWN ON THE ARCHITECTURAL ROOF PLAN SHEETS. IN ADDITION TO THE ARCHITECTURAL, THE CONTRACTOR IS RESPONSIBLE FOR REFERENCING THE STRUCTURAL, MECHANICAL AND ELECTRICAL DOCUMENTS FOR ALL SUCH OCCURRENCES. ALL PENETRATIONS OF THE ROOF SHALL MEET WITH THE ROOFING MANUFACTURER'S RECOMMENDATIONS TO MAINTAIN INTEGRITY OF ROOFING SYSTEMS.
8. THE CONTRACTOR IS RESPONSIBLE AT BIDDING, FOR PROVIDING A MANUFACTURER'S APPROVED ROOFING DETAIL FOR ALL ROOFING CONDITIONS SO THAT THE SPECIFIED WARRANTY IS OBTAINED. IF A CONDITION SHOWN IN THESE CONSTRUCTION DOCUMENTS DOES NOT MEET THE REQUIREMENTS OF THE ROOFING MANUFACTURER THESE CONDITIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING AND INSTALLATION OF THE APPROVED DETAIL.
9. THE CONTRACTOR IS TO CONFIRM THE ROOFING SYSTEM THICKNESS, INCLUDING THE RIGID INSULATION PRIOR TO INSTALLING CURB AND PARAPET BLOCKING. BLOCKING AND CURB HEIGHTS ARE TO BE ADJUSTED AS NEEDED TO CONFORM TO THE ROOFING THICKNESS TO MEET REQUIREMENTS FOR WARRANTY.
10. WHERE ROOFING MEMBRANE IS SHOWN EXTENDING UP TO THE TOP OF THE PARAPET, THE MEMBRANE IS TO WRAP UP, OVER AND DOWN THE WOOD BLOCKING. THE AIR INFILTRATION BARRIER IS TO EXTEND UP EXTERIOR FACE OF WALL AND FULLY OVER THE TOP OF THE PARAPET WALL AND UNDER THE SILL BLOCK FLASHING. VERIFY WALL TYPE FOR PARAPET CAP WIDTH, SEE DETAILS ON SHEET A520. CONTRACTOR TO SEQUENCE WORK TO MEET THIS REQUIREMENT.
11. ALL TOPS OF PARAPETS TO BE PROVIDED WITH 1/2" PER FOOT MINIMUM POSITIVE SLOPE TOWARD THE ROOF FOR ADEQUATE DRAINAGE.
12. ALL PRE-MANUFACTURED MECHANICAL CURBS ARE TO BE MANUFACTURED TO ACCOMMODATE ROOF SLOPE. THEY MUST BE OF ADEQUATE HEIGHT TO ALLOW FOR THE DEPTH OF THE ROOF INSULATION, INCLUDING CRICKETS AND HAVE 8" HEIGHT ABOVE THE ROOF MEMBRANE, SEE DETAIL D4 AND D5/A530.
13. SKYLIGHTS ARE TO BE INSTALLED SO THE TOP OF SKYLIGHT SLOPES 1/2" PER FOOT MINIMUM. THIS SLOPE IS TO SLOPE IN THE DIRECTION OF THE ROOF BELOW. FOR TYPICAL SKYLIGHT CURB, SEE DETAIL D3/A530.
14. ROOF DRAINS ARE TO BE INSTALLED IN A TWO LEVEL DRAIN BASIN. THE BASIN IS TO BE CONSTRUCTED USING LAYERS OF ROOFING INSULATION. SEE DETAILS E4, E5 AND E6/A530.
15. FOR TYPICAL LADDER, SEE DETAILS A4 AND C4 /A530.
16. FOR TYPICAL ROOF PIPE PENETRATIONS, SEE DETAIL D6/A530.

ROOF LEGEND

- SINGLE PLY MEMBRANE ROOFING SYSTEM
- STANDING SEAM METAL ROOFING SYSTEM, W/ SELF-AHERED ROOFING UNDERLAYMENT OVER ENTIRE ROOF AREA U.N.O., SNOW GUARDS FULL LENGTH AND HEIGHT OF ROOF, SPACED 36" UP RAKE AND CONTINUOUS HORIZONTAL
- TAPERED INSULATION CRICKET MINIMUM SLOPES: 1/8" ALONG VALLEY, 1/4" ACROSS CRICKET
- TRANSLUCENT PANEL SKYLIGHT SYSTEM
- PROTECTIVE WALKABLE SURFACE
- DECK RIDGE OR VALLEY
- IMAGINARY VALLEY WITH WARPED DECKING

KEYED NOTES

723 TRAFFIC WEAR PADS ON SINGLE-PLY MEMBRANE ROOF SYSTEM
802 SKYLIGHT
1101 DAVIT ANCHOR, SEE DETAIL B1/AE531
2203 ROOF DRAIN & OVERFLOW ROOF DRAIN
2204 DUCKBILL OVERFLOW DRAIN OUTLETS
2214 PLUMBING PENETRATION THROUGH ROOF
2305 MECHANICAL COOLING TOWER
2306 MECHANICAL EXHAUST FAN
2308 MECHANICAL AIR HANDLER
2309 MECHANICAL CONDENSING UNIT

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ROOF ANNOTATED PLAN

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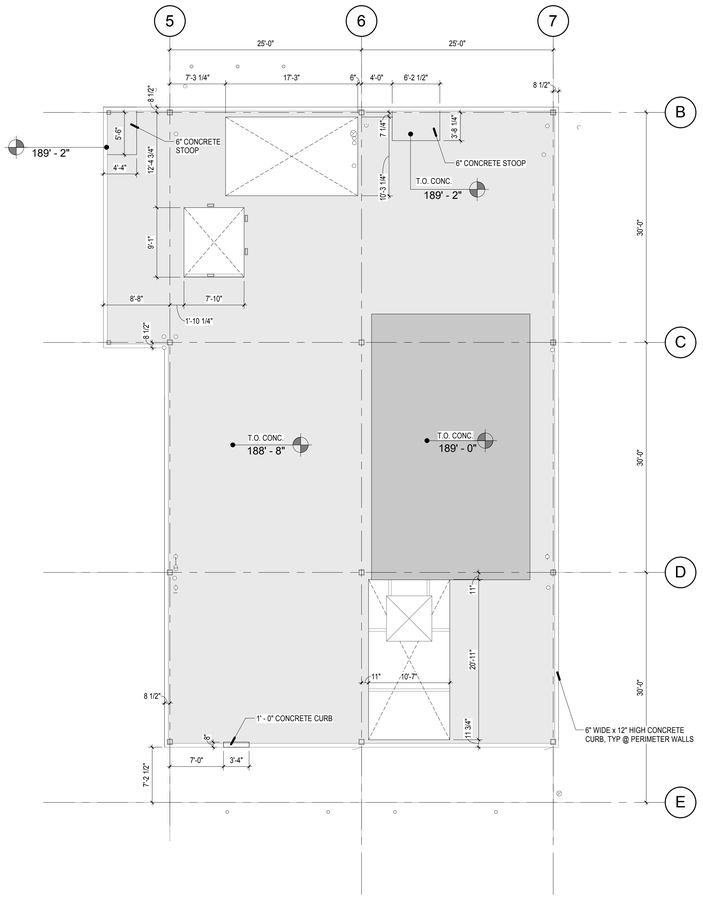
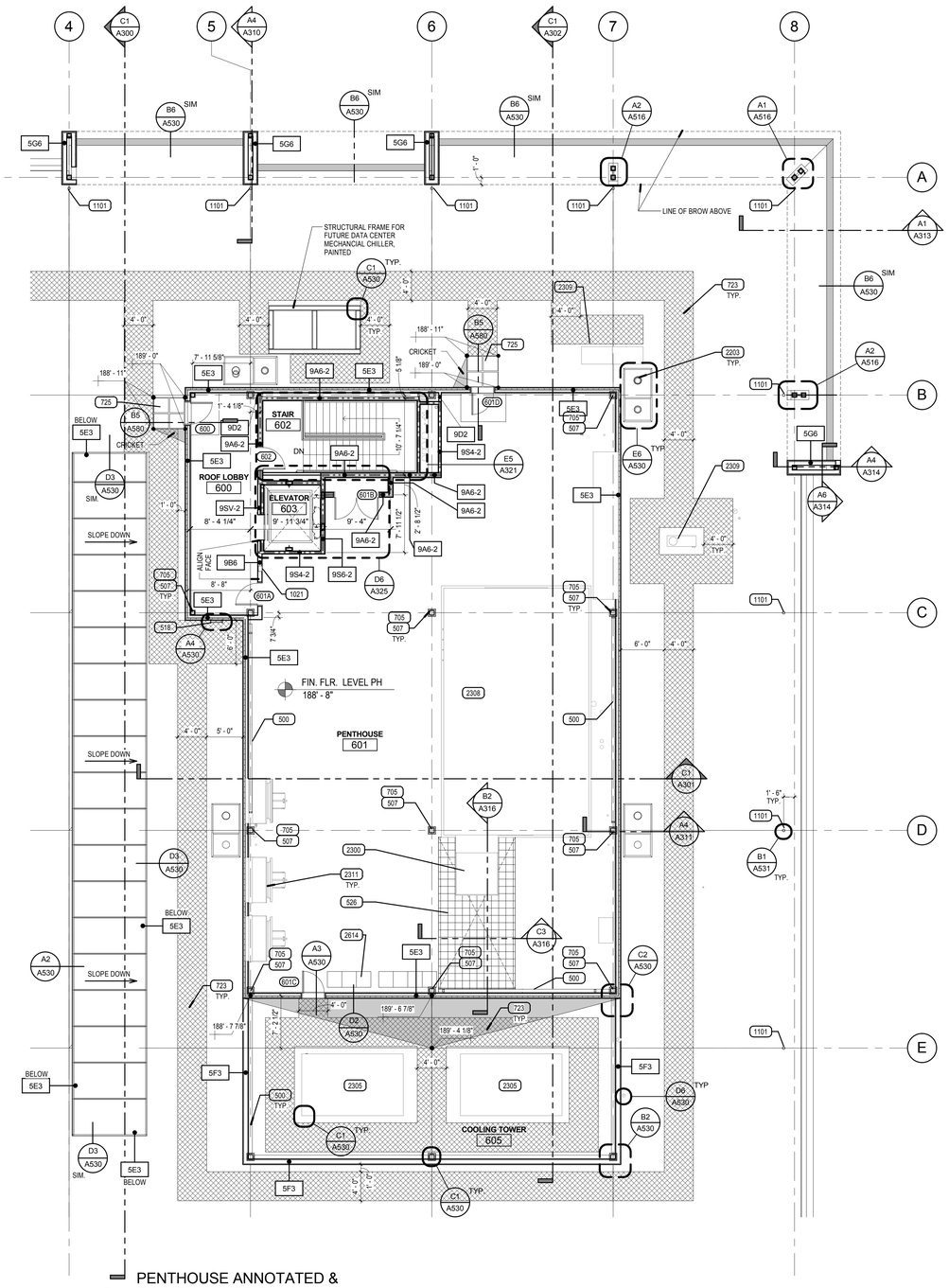


B1 PENTHOUSE SLAB EDGE PLAN

SCALE: 1/8" = 1'-0"



B3 PENTHOUSE ANNOTATED & DIMMENSIONED PLAN

SCALE: 1/8" = 1'-0"

PLAN NOTES

1. WHERE FLOOR DRAINS ARE INSTALLED THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT TO EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.
2. WHERE CONCRETE PADS ARE CALLED TO BE CONSTRUCTED UNDER EQUIPMENT THE SLAB IS TO BE 8" THICK, UNO, AND IS TO HAVE #4 BARS AT 18" O.C. EACH WAY. COORDINATE DIMENSIONS OF PAD WITH ACTUAL EQUIPMENT SPEC
3. SEE SHEET A580 FOR TYPICAL FLOORING TRANSITION DETAILS.
4. THE CONTRACTOR IS TO ENSURE THAT BETWEEN ANY FINISH FLOOR ELEVATION TO 34" A.F.F. ALL GUARDRAILS ARE TO BE CONSTRUCTED AND INSTALLED SO THAT A 4" SPHERE WILL NOT PASS BETWEEN ANY TWO ADJACENT GUARDRAIL COMPONENTS OR BETWEEN THE EDGE OF A GUARDRAIL AND ALL ADJACENT BUILDING ELEMENT SUCH AS A WALL OR FLOOR. AN 8" DIAMETER SPHERE IS NOT TO PASS BETWEEN THE ABOVE MENTIONED COMPONENTS AND ELEMENTS FROM AN ELEVATION 34" A.F.F. AND HIGHER.
5. SEE DETAIL C3/A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS

SLAB EDGE LEGEND

THE FOLLOWING PATTERNS ARE USED ON THE FLOOR SLAB EDGE PLAN SHEETS TO REPRESENT THE CONCRETE STRUCTURAL FLOOR SLAB AND ANY RECESSES IN THE SURFACE OF THAT SLAB

- 6 1/2" STRUCTURAL CONCRETE FLOOR SLAB
- 2" RECESS FOR WALK OFF MAT SYSTEM, VERIFY WITH MANUFACTURER
- 1 1/2" RECESS FOR THICK SET TILE

ROOF LEGEND

- SINGLE PLY MEMBRANE ROOFING SYSTEM
- STANDING SEAM METAL ROOFING SYSTEM, W/ SELF-AHERED ROOFING UNDERLAYMENT OVER ENTIRE ROOF AREA U.N.O., SNOW GUARDS FULL LENGTH AND HEIGHT OF ROOF, SPACED 36" UP RAKE AND CONTINUOUS HORIZONTAL
- TAPERED INSULATION CRICKET MINIMUM SLOPES: 1/8" ALONG VALLEY, 1/4" ACROSS CRICKET
- TRANSLUCENT PANEL SKYLIGHT SYSTEM
- PROTECTIVE WALKABLE SURFACE
- DECK RIDGE OR VALLEY
- IMAGINARY VALLEY WITH WARPED DECKING

KEYED NOTES

500 STEEL TUBE PAINTED WHERE EXPOSED
507 TUBE STEEL COLUMN, PAINTED
518 STEEL LADDER
526 GALVANIZED STEEL GRATING
705 EXPOSED 2 HOUR SPRAYED FIREPROOFING
723 TRAFFIC WEAR PADS ON SINGLE-PLY MEMBRANE ROOF SYSTEM
725 PRE-CAST CONCRETE PAVERS OVER TRAFFIC WEAR PADS ON SINGLE-PLY MEMBRANE ROOF SYSTEM
1021 RECESSED FIRE EXTINGUISHER CABINET W/ FE, SEE DETAIL C3/A520
1101 DAVIT ANCHOR, SEE DETAIL B1/AE531
2203 ROOF DRAIN & OVERFLOW ROOF DRAIN
2300 MECHANICAL DUCT PAINTED WHERE EXPOSED
2305 MECHANICAL COOLING TOWER
2308 MECHANICAL AIR HANDLER
2309 MECHANICAL CONDENSING UNIT
2311 MECHANICAL EQUIPMENT
2614 ELECTRICAL MOTOR CONTROL CABINET

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PENTHOUSE SLAB EDGE & ANNOTATED PLAN

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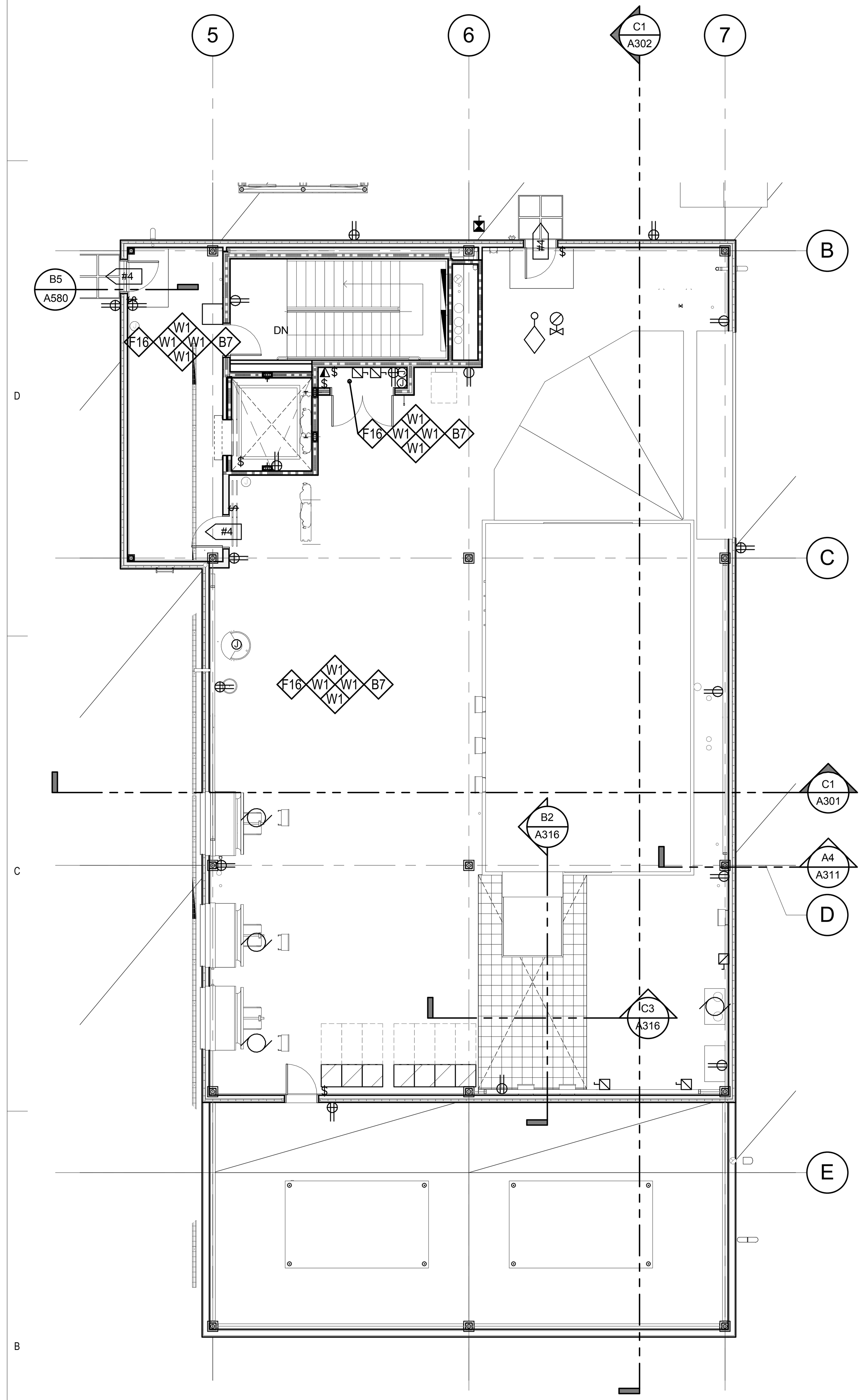
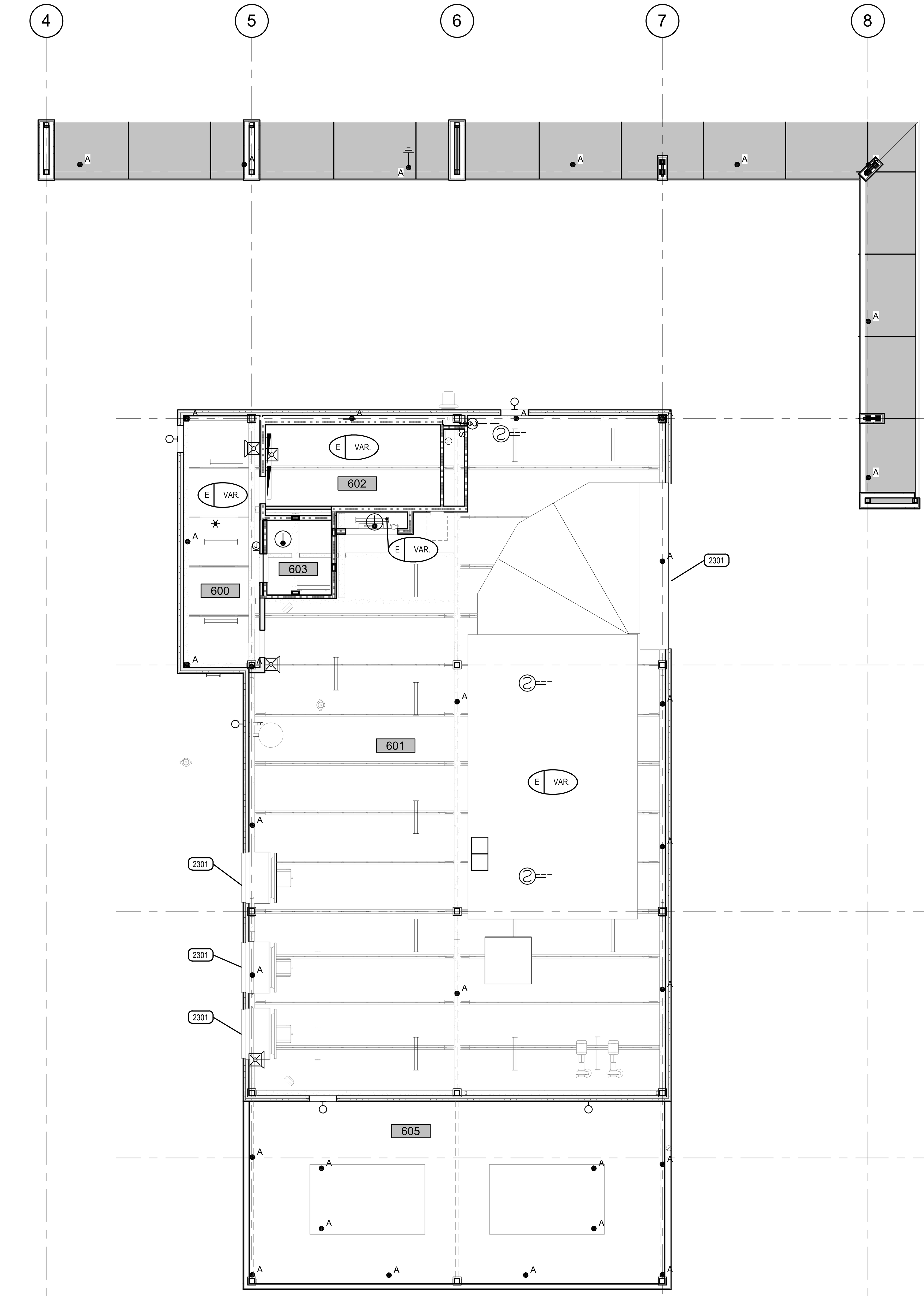


B1 PENTHOUSE FINISH PLAN

SCALE: 1/8" = 1'-0"



B3 PENTHOUSE REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

GENERAL CEILING NOTES

1- REFER TO DETAIL C6/A840 FOR TYPICAL CEILING SUSPENSION & SEISMIC BRACING

2- REFER TO DETAIL A6/A840 FOR TYPICAL SUSPENDED GYP. BOARD CEILINGS

3- ALL UNIDENTIFIED CEILING TYPES ON THE PLANS SHALL BE TYPE "B" AT 9'-4" A.F.F.

4- GRID SUSPENSION SYSTEMS SHALL BE CENTERED WITHIN AREAS INDICATED, UNLESS NOTED OTHERWISE

5- ALL EXPOSED STRUCTURE, MECHANICAL, DUCTS, ELECTRICAL WORK, PIPING, ETC.. SHALL BE PAINTED. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR "W10" AS NOTED IN FINISH SCHEDULE AT TYPE "A" ABOVE VENTWOOD & TYPE "B" CEILING CLOUDS. ALL VISIBLE ELEMENTS TO BE PAINTED FIELD COLOR WHITE WHERE NO CEILING EXISTS.

6- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF MECHANICAL GRILLES AND TO MECHANICAL DRAWINGS FOR QUANTITIES AND TYPES

7- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES

8- MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE WORK WITH SPRINKLER CONTRACTOR TO AVOID CONFLICTS IN FIELD. NOTE: ADDITIONAL MONIES WILL NOT BE PAID TO SUBCONTRACTORS FOR REWORK REQUIRED DUE TO LACK OF COORDINATION.

9- ALL CEILING HEIGHTS ARE ELEVATION ABOVE TOP OF FINISHED FLOOR.

10- ALL TYPE "D" CEILINGS IN RESTROOMS, LOCKER ROOMS, AND WET AREAS TO BE EPOXY PAINTED. EXTEND GYP. TO DECK WHERE EXPOSED.

11- BLACK SPRAY APPLIED INSULATION TO BE APPLIED TO THE UNDERSIDE OF DECK ABOVE ALL TYPE "A" CEILING SYSTEMS, 2" THICK.

12- ALL LAY-IN TILE CEILING CLOUDS, WHERE GRID DOES NOT MEET THE WALL OR HAS A BREAK IN THE PLANE OF THE CEILING, IS TO HAVE 4" TRIM AS PER DETAIL C1/A540 AND C5/A540. ALL EXPOSED SURFACES ABOVE PLANE OF CEILING TO BE PAINTED.

13 - EVERY WINDOW, STOREFRONT AND CURTAINWALL UNIT AT THE EXTERIOR WALLS OF THE BUILDING SHALL BE EQUIPPED WITH A ROLL-DOWN WINDOW SHADE ASSEMBLY AT THE INTERIOR OF THE UNIT. THE INTERIOR WINDOW UNITS THAT ARE TO BE EQUIPPED WITH A ROLL-DOWN SHADE ARE SPECIFICALLY CALLED OUT IN THESE CONSTRUCTION DOCUMENTS.

CEILING TYPES

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE CEILING TYPE AND HEIGHT

CEILING TYPE — X | X'-X" — CEILING HEIGHT

NOTE: WHERE CEILINGS ARE NOT A CONSTANT ELEVATION "VAR" MEANING "VARIES" APPEARS IN THE CEILING HEIGHT FIELD. WHERE NO CEILING OCCURS "EXP" MEANING "EXPOSED" APPEARS IN THE CEILING HEIGHT FIELD.

- A- VENTED WOOD CEILING SYSTEM, PAINT ALL EXPOSED SURFACES ABOVE & BLACK SPRAY APPLIED INSULATION TO DECK ABOVE
- B- SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING
- C1- SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING
- C2- SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (VINYL COATED)
- C3- SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING (CLEAN ROOM) PAINT ALL SURFACES OF PLENUM ABOVE
- D- SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, U.N.O. UTILIZE EPOXY PAINT AT RESTROOMS AND JANITOR CLOSETS
- E- EXPOSED STRUCTURE, PAINT ALL EXPOSED SURFACES PER NOTE 5 ABOVE
- F- PRE-FINISHED METAL SOFFIT PANELS OVER INFILTRATION BARRIER OVER 1/2" FIRE RETARDANT TREATED WOOD SHEATHING SUPPORTED WITH A SUSPENDED SOFFIT SYSTEM
- G- SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING, GROOVED
- H- METAL CEILING
- J- PRE- FINISHED EXTERIOR COMPOSITE METAL SOFFIT
- K- SUSPENDED ACOUSTICAL LAY-IN CEILING 2'-6" X 5' FIELD PANELS, 0'-6" X 5' TECHNICAL PANELS
- L- SUSPENDED 5/8" GYP. BD. CEILING SYSTEM- (1 LAYER) PAINTED, 2 HR RATED
- M- GYP. BOARD STAIR WRAP WITH VINYL GRAPHIC. SEE STAIR SECTIONS.

HEADER LEGEND

THE FOLLOWING SYMBOL IS USED ON THE REFLECTED CEILING PLAN SHEETS TO DENOTE HEADER HEIGHT

HEADER TYPE — XX —

NOTE: AT STUD HEADERS VERTICAL 3-5/8" STUDS WITH 5/8" GYP. BOARD BOTH SIDES EXTEND FROM THE BOTTOM OF HEADER TO DECK ABOVE, UNLESS OTHERWISE DETAILED.

- H1 GYP. BOARD HEADER AT 7'-0". SEE DETAIL E6/A840
- H2 GYP. BOARD HEADER AT 9'-0". SEE DETAIL E6/A840
- H3 GYP. BOARD HEADER AT 11'-4". SEE DETAIL E6/A840
- H4 GYP. BOARD HEADER AT 11'-10". SEE DETAIL E6/A840
- H5 GYP. BOARD HEADER AT 12'-0". SEE DETAIL E6/A840
- H6 GYP. BOARD HEADER AT 9'-4". SEE DETAIL E6/A840

CEILING LEGEND

THE FOLLOWING SYMBOLS ARE USED ON THE REFLECTED CEILING PLAN SHEETS TO REPRESENT ELECTRICAL AND MECHANICAL DEVICES. THE REFLECTED CEILING PLANS ARE TO BE USED TO LOCATE THESE DEVICES. REFER TO THE ELECTRICAL AND MECHANICAL DRAWINGS FOR DEVICE TYPE DESCRIPTION AND QUANTITY EXCEPT FOR THE CEILING FANS. FAN TYPES AND QUANTITIES ARE TO BE TAKEN FROM THE REFLECTED CEILING PLAN SHEETS

GRAPHIC	DESCRIPTION
	FLUORESCENT LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE
	RECESSED DOWN LIGHT
	WALL WASH
	TRACK LIGHTING
	EXIT SIGN, SINGLE-SIDED
	EXIT SIGN, DOUBLE-SIDED
F	FIRE ALARM
S	SPEAKER
	SMOKE DETECTOR
	LINEAR DIFFUSER
	HVAC DIFFUSER, RETURN GRILLE, VENTILATION GRILLE
	OCCUPANCY SENSOR

GENERAL FINISH NOTES

1. PROVIDE EPOXY PAINT AT ALL RESTROOMS AND JANITOR CLOSETS.
2. ALL FLOOR TRANSITIONS TO BE LOCATED AT CENTER OF DOOR, UNO ALL FLOOR TRANSITIONS AT FLOOR TILE LOCATIONS TO BE LOCATED AT INSIDE CORNER OF DOOR.
3. ALL PAINTED STEEL BRACING AND COLUMNS TO BE PAINTED XXX, UNLESS NOTED OTHERWISE.
4. ALL GROUT JOINTS TO BE NO LARGER THAN 1/8".
5. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
6. COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.
7. SEE ELEVATION SHEETS FOR ALL WALL TILE PATTERNS.
8. AT SOFFITS RECEIVING COLOR- PAINT ALL SIDES OF SOFFIT.
9. ALL WOOD TRIM TO BE STAINED TO MATCH DOOR STAIN.
10. ALL COUNTERTOP, BACKSPLASHES, AND EDGE BANDING TO HAVE COORDINATING FINISHES.
11. PROVIDE A SMOOTH TRANSITION AT ALL FLOOR MATERIALS - CONTRACTOR TO INSTALL ALL FLOOR FINISHES AT SAME LEVEL, DESPITE DIFFERENT THICKNESS. PROVIDE FLOOR TRANSITION WHERE OCCURS.
12. PROVIDE TILE XXX: 4"X4" CERAMIC WALL TILE' AT ALL JANITOR SINKS. PROVIDE TILE BULLNOSE TO FINISH OFF ALL EXPOSED EDGES.
13. ALL WALLS RECEIVING TILE WAINSCOT TO RECEIVE PAINT W1 ABOVE, UNO SEE FINISH PLANS FOR ACCENT WALL LOCATIONS.
14. SEE SHEET A580 FOR FLOORING TRANSITION DETAILS.
15. ALL HANDRAILS AND STRINGERS AT STAIRS, EXCLUDING MAIN STAIR CASE, STARTING AT LOBBY 125 TO BE PAINTED "W16" GLOSS FINISH
16. ALL HM DOOR AND FRAMES TO BE XXX.
17. ALL EXPOSED CEILINGS TO BE PAINTED. REFER TO REFLECTED CEILING PLANS.
18. AT ALL TILE WAINSCOT, SCRIBE BOTTOM TILE TO MATCH FINISH FLOOR SURFACE AND CAULK WITH BASE 'B2'.
19. AT ALL RECEPTION DESKS, USE WOOD VENEER "WV1"
20. FLOOR 1 AND 3: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" CUSTOM YELLOW TO MATCH ARCHITECT'S CONTROL SAMPLE. BACKGROUND CARPET TO BE SHAW 18"X36" LAYERED 95761.
21. FLOOR 2 AND 5: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95870 SUNDRIED. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
22. FLOOR 2M: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95675 ORANGE. BACKGROUND COLOR TO BE SHAW, 18"X36" WASHED 95106.
23. FLOOR 4: CARPET TILE NOTED TO RECEIVE ACCENT COLOR, AS DETAILED ON SHEET A581 TO BE SHAW 18"X36" 95668 PAPRIKA. BACKGROUND COLOR TO BE SHAW, 18"X36" ILLUMINATE 95103.
24. AT LEVEL ONE LOBBY 125: FLOOR FINISH PATTERN AS DETAILED ON SHEET C2/A581.
25. ALL EXPOSED BRACING TO BE PAINTED "W17" SATIN FINISH.
26. ALL BUILT IN BOOKSHELVES AND LATERAL FILES TO RECEIVE "PL1"
27. ALL BUILT IN RECEPTION DESKS TO RECEIVE "PL1"
28. ALL RECEPTION DESK WRITING SURFACES, AT 42" HIGH, TO RECEIVE "QTZ1"
29. ALL RECEPTION DESK WRITING SURFACES, AT 30", TO RECEIVE "PL2"
30. ALL WORK TABLES AT WORK ROOMS TO RECEIVE "PL1" AT CABINETRY.
31. ALL SOLID SURFACE SILLS TO RECEIVE "SS1"
32. ALL FREESTANDING FILL DRAWERS TO RECEIVE "PL1" ALL SIDED
33. ALL BUILT IN FILE DRAWERS TO RECEIVE "PL1" ALL EXPOSED SIDES
34. ALL MAILBOX SLOTS TO RECEIVE "PL1" ALL SIDES
35. ALL WRITING SURFACES AT MILLWORK WORKROOMS TO RECEIVE "PL2" UNO
36. BACKSPLASHES TO MATCH ADJACENT COUNTERTOP MATERIAL TYP.
37. ALL PLASTIC LAMINATE OR QUARTZ SURFACE CALLOUTS REFER TO COUNTERTOP SURFACE ONLY.
38. DO NOT PAINT ACCENT COLOR WHERE VINYL MARKERBOARD MATERIAL OCCURS. SEE ELEV.
39. ALL BUILT IN PENCIL DRAWERS TO RECEIVE "PL1".
40. AT BACK OF MILLWORK, WHERE PLASTIC LAMINATE IS NOTED, USE "PL1". WHERE PAINTED GYP IS NOTED, PAINT TO MATCH ADJACENT WALL. ALL STEEL ANGLES MATCH ADJACENT WALL COLOR.

FINISH PLAN SYMBOLS

FLOOR — F? | W? W? W? W? | B? — BASE

WALL / WALL / WALL / NOTE

SINGLE FINISH SYMBOLS INDICATE WHERE FINISHES ARE DIFFERENT FROM GENERAL ROOM FINISHES, OR PROVIDE ADDITIONAL FINISH INFORMATION

CHANGE AT FLOOR MATERIAL

XX — SIGNAGE TAG- SEE SIGNAGE SHEETS FOR DETAILS

FINISH PLAN LEGEND

WALL MATERIALS

W1	PRIMED & PAINTED WALL SURFACE- GENERAL
W2	PRIMED & PAINTED WALL SURFACE
W3	PRIMED & PAINTED WALL SURFACE
W4	PRIMED & PAINTED WALL SURFACE
W5	PRIMED & PAINTED WALL SURFACE
W6	TILE AT RESTROOMS
W7	TILE AT RESTROOMS
W8	TILE AT RESTROOMS
W9	TILE AT RESTROOMS
W10	PRIMED & PAINTED WALL SURFACE
W11	WALL TILE
W12	CEILING COLOR
W13	VENITIAN PLASTER
W14	N/A
W15	TILE
W16	PRIMED & PAINTED WALL SURFACE
W17	PRIMED & PAINTED WALL SURFACE
W18	PRIMED & PAINTED WALL SURFACE
W19	ACOUSTICAL PANELS
W20	PRIMED AND PAINTED

FLOOR MATERIALS.

F1	CARPET TILE
F2	CARPET TILE
F3	CARPET TILE
F4	CARPET TILE
F5	CARPET TILE
F6	CARPET TILE
F7	PENNY TILE
F8	PORCELAIN TILE
F9	PORCELAIN TILE
F10	PORCELAIN TILE
F11	MARMOLEUM
F12	SEALED CONCRETE
F13	CONCRETE PAVER
F14	RAISED FLOOR
F15	QUARRY TILE
F16	TRAFFIC COATING
F17	WALK OFF CARPET
F18	WALK OFF GRILLE
F19	COLORED CONCRETE
F20	COLORED CONCRETE
F21	CARPET BROADLOOM
F22	CHEMICAL RESISTANT FLOORING

BASE MATERIALS

B1	4" RUBBER BASE
B2	NO BASE- CAULK BETWEEN FLOOR AND WALL
B3	CERAMIC TILE BASE
B4	WOOD BASE
B5	TILE BASE
B6	METAL REVEAL BASE
B7	TRAFFIC COATING EXTENDED 6" UP WALL

OTHER MATERIALS

QTZ1	QUARTZ SURFACE
QTZ2	QUARTZ SURFACE
QTZ3	QUARTZ SURFACE
SS1	SOLID SURFACE AT SILLS
TP1	TOILET PARTITION
US1	URINAL SCREEN
CG1	CORNER GUARDS
WV1	WOOD VENEER
WS1	WOOD STAIN

PLASTIC LAMINATE

PL1	PLASTIC LAMINATE
PL2	PLASTIC LAMINATE
PL3	PLASTIC LAMINATE
PL4	CHEMICAL LAMINATE
TKBD1	TACKBOARD
TKBD2	TACKBOARD
TKBD3	TACKBOARD
GR1	GRAPHIC WALL

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PENTHOUSE FINISH & REFLECTED CEILING PLAN

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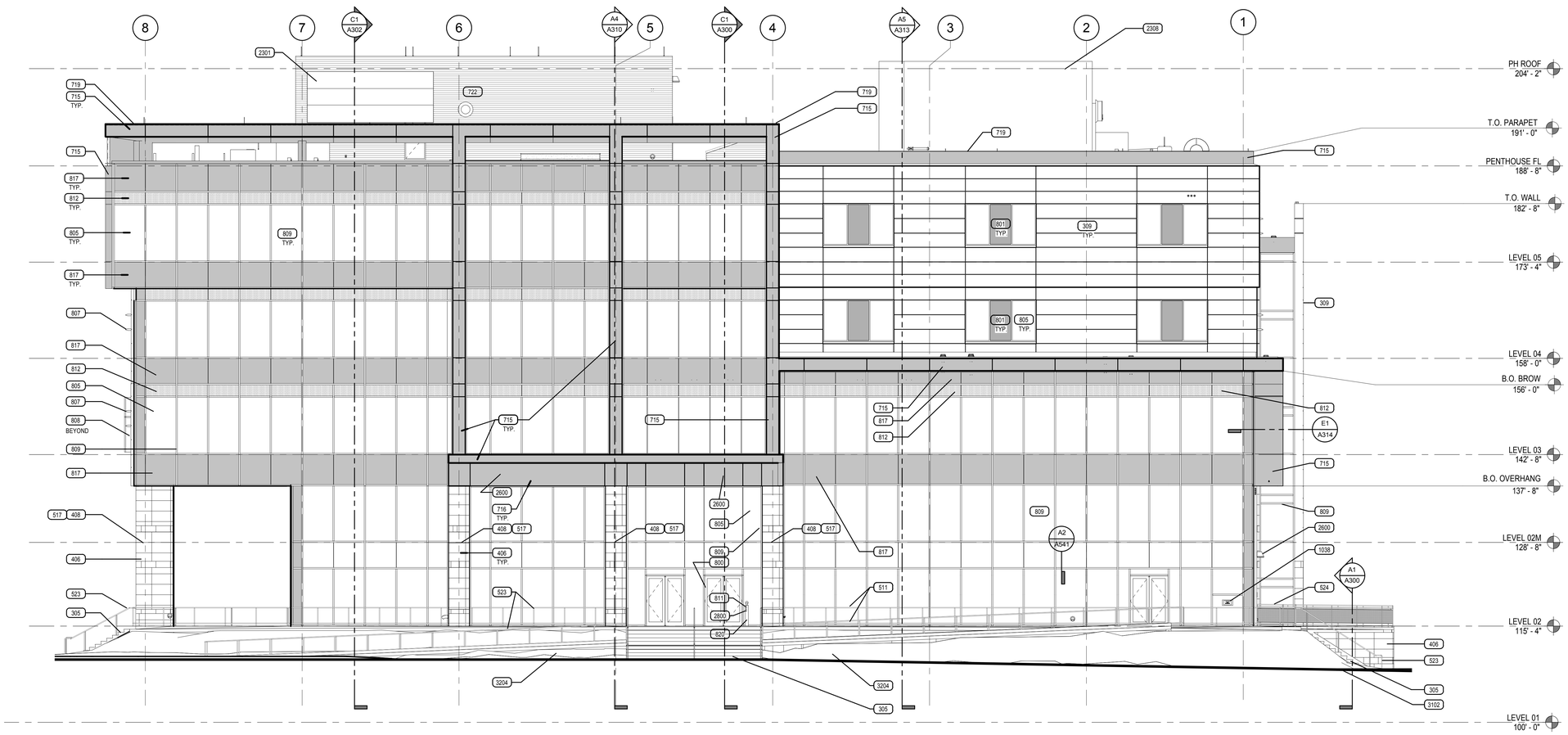
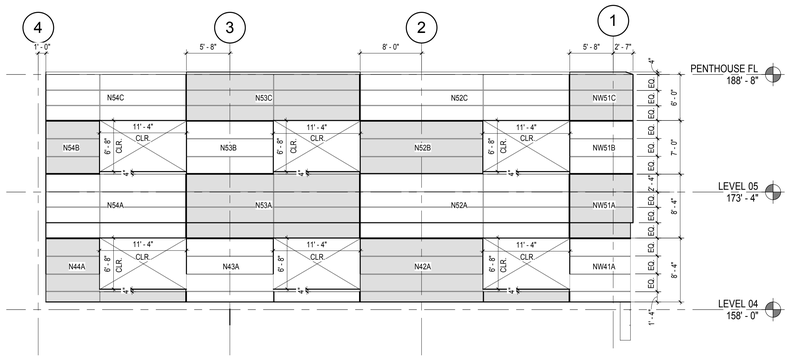


C1 NORTH ELEVATION

SCALE: 1/8" = 1'-0"

KEYED NOTES

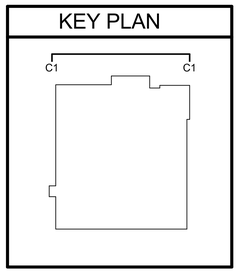
305 REINFORCED CONCRETE STAIRS.
309 GFRC CLADDING SYSTEM
406 STONE MASONRY
408 MASONRY HORIZONTAL CONTROL JOINTS SEE DETAIL B2/A510
511 1 1/2" DIA. STEEL PIPE HANDRAIL PAINTED U.N.O.
517 STEEL LEDGER ANGLE
523 1 1/2" DIA. STAINLESS STEEL PIPE HANDRAIL,TYP.
524 1-1/2" DIA. STAINLESS STEEL PIPE GUARDRAIL,TYP.
715 PRE-FINISHED EXTERIOR COMPOSITE METAL PANEL
716 PRE-FINISHED EXTERIOR COMPOSITE METAL SOFFIT
719 CONT. COMPOSITE METAL COPING SYSTEM
722 PRE-FINISHED EXTERIOR METAL WALL PANELS
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
807 HORIZONTAL LOUVER SYSTEM, SEE SHEET A562
808 VERTICAL LOUVER SYSTEM, SEE SHEET A562
809 CURTAIN WALL SYSTEM
811 ACCESSIBLE DOOR ACTIVATOR
812 SEMI-OPAQUE ETCHED GLAZING
817 WHITE SPANDREL GLAZING
820 STAINLESS STEEL 4"x6"x40" BOLLARD POST TO ACCOMODATE ADA ACTUATOR & ACCESS CONTROL INTERFACE
1038 BOOK & MEDIA RETURN
2301 PRE-FINISHED MECHANICAL LOUVER
2308 MECHANICAL AIR HANDLER
2600 LIGHT FIXTURE
2800 ACCESS CONTROL
3102 FINISH GRADE
3204 LANDSCAPING AND IRRIGATION SYSTEM



A3 GFRC NORTH ELEVATION

SCALE: 1/8" = 1'-0"

KEY PLAN



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DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
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No.	Description	Date

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EXTERIOR ELEVATIONS

A200
Sheet Number

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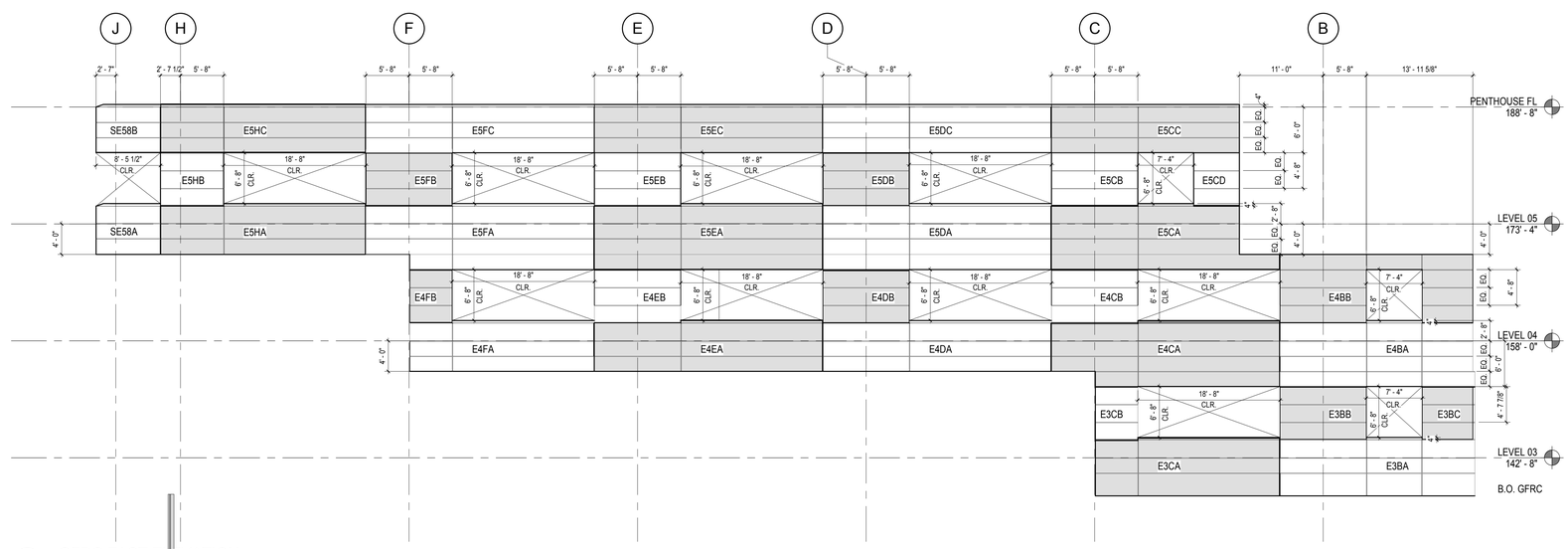
C1 EAST ELEVATION

SCALE: 1/8" = 1'-0"

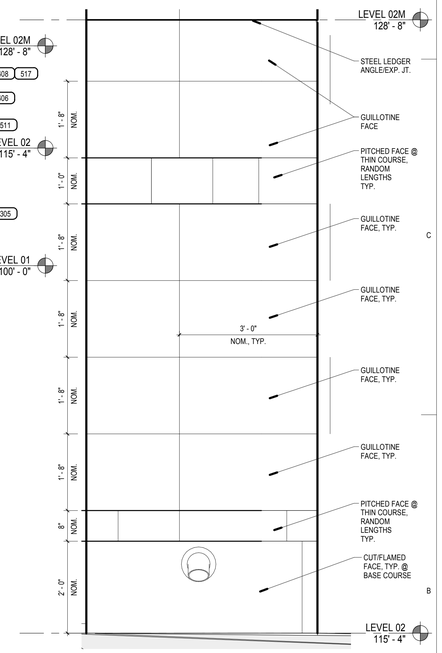


A1 GFRC EAST ELEVATION

SCALE: 1/8" = 1'-0"

KEYED NOTES

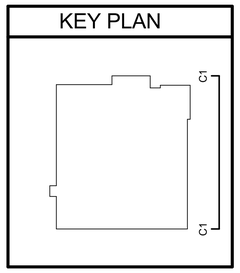
305 REINFORCED CONCRETE STAIRS.
309 GFRC CLADDING SYSTEM
406 STONE MASONRY
408 MASONRY HORIZONTAL CONTROL JOINTS SEE DETAIL B2/A510
511 1 1/2" DIA. STEEL PIPE HANDRAIL PAINTED U.N.O.
517 STEEL LEDGER ANGLE
523 1 1/2" DIA. STAINLESS STEEL PIPE HANDRAIL, TYP.
715 PRE-FINISHED EXTERIOR COMPOSITE METAL PANEL
719 CONT. COMPOSITE METAL COPING SYSTEM
722 PRE-FINISHED EXTERIOR METAL WALL PANELS
724 PRE-FINISHED CONT. STANDING SEAM METAL COPING SYSTEM
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
807 HORIZONTAL LOUVER SYSTEM, SEE SHEET A562
808 VERTICAL LOUVER SYSTEM, SEE SHEET A562
809 CURTAIN WALL SYSTEM
812 SEMI-OPAQUE ETCHED GLAZING
817 WHITE SPANDREL GLAZING
1212 BICYCLE RACKS
2305 MECHANICAL COOLING TOWER



B6 TYP. STONE COURSING

SCALE: 3/4" = 1'-0"

KEY PLAN



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EXTERIOR ELEVATIONS

A201
Sheet Number

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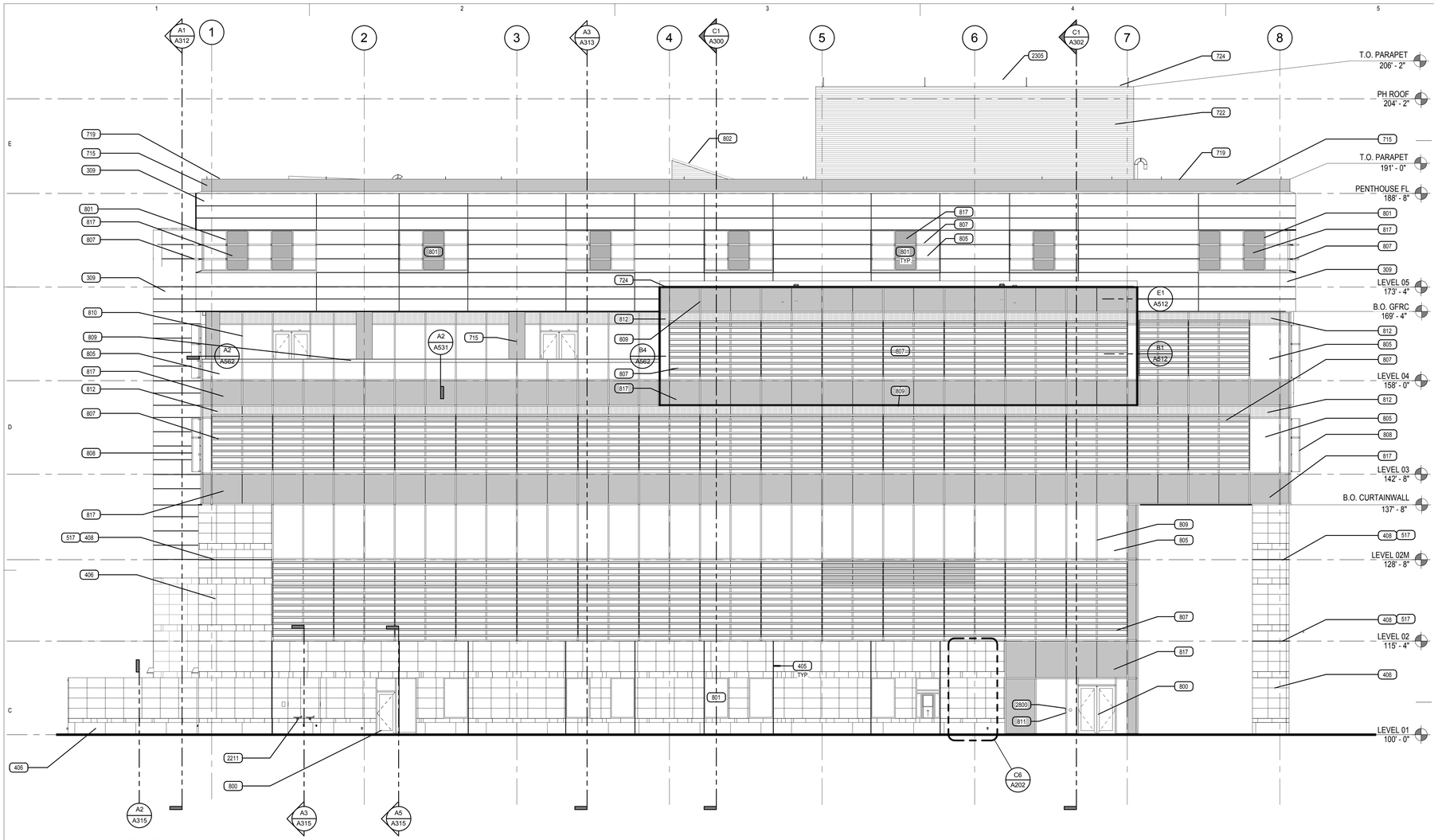
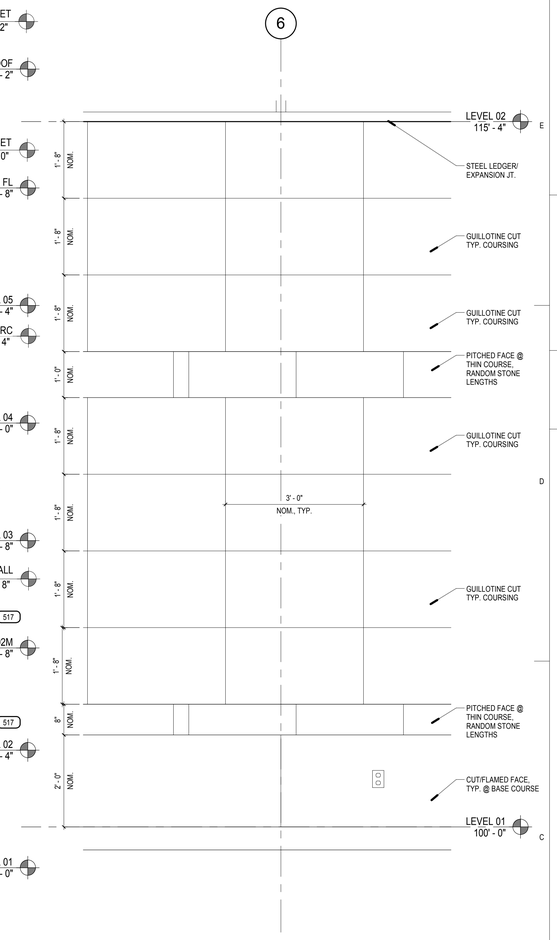


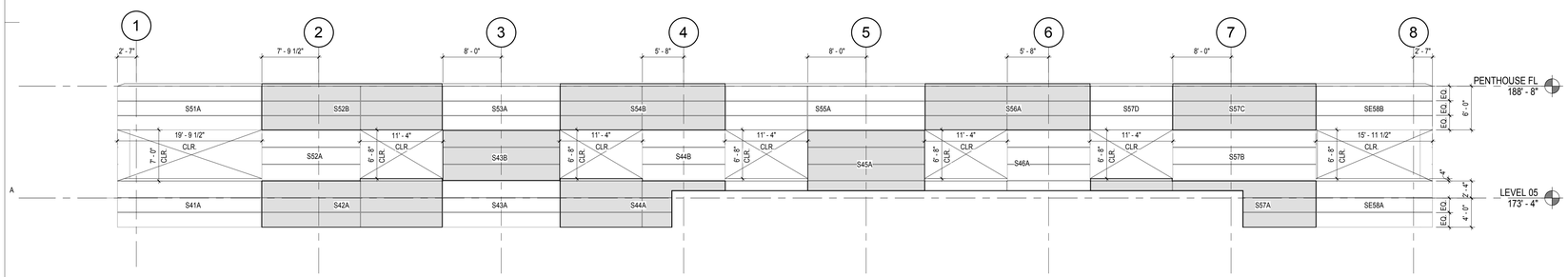
C1 SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



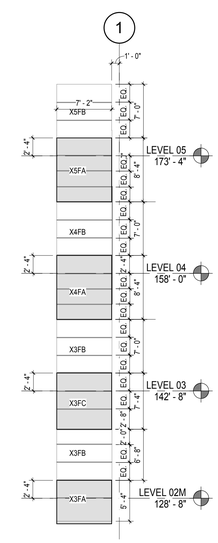
C6 STONE ELEVATION

SCALE: 3/4" = 1'-0"



A1 GFRC SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



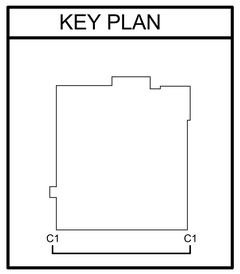
A5 GFRC SOUTH ELEVATION STAIR

SCALE: 1/8" = 1'-0"

KEYED NOTES

309 GFRC CLADDING SYSTEM
405 MASONRY VERTICAL CONTROL JOINTS SEE DETAIL A2/A511
406 STONE MASONRY
408 MASONRY HORIZONTAL CONTROL JOINTS SEE DETAIL B2/A510
517 STEEL LEDGER ANGLE
715 PRE-FINISHED EXTERIOR COMPOSITE METAL PANEL
719 CONT. COMPOSITE METAL COPING SYSTEM
722 PRE-FINISHED EXTERIOR METAL WALL PANELS
724 PRE-FINISHED CONT. STANDING SEAM METAL COPING SYSTEM
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
802 SKYLIGHT
805 GLAZING
807 HORIZONTAL LOUVER SYSTEM, SEE SHEET A562
808 VERTICAL LOUVER SYSTEM, SEE SHEET A562
809 CURTAIN WALL SYSTEM
810 STOREFRONT SYSTEM
811 ACCESSIBLE DOOR ACTIVATOR
812 SEMI-OPAQUE ETCHED GLAZING
817 WHITE SPANDREL GLAZING
2211 EXTERIOR DUAL DRINKING FOUNTAIN
2305 MECHANICAL COOLING TOWER
2800 ACCESS CONTROL

KEY PLAN



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DIXIE STATE COLLEGE OF UTAH

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DIXIE COLLEGE, ST. GEORGE, UT

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EXTERIOR ELEVATIONS

A202

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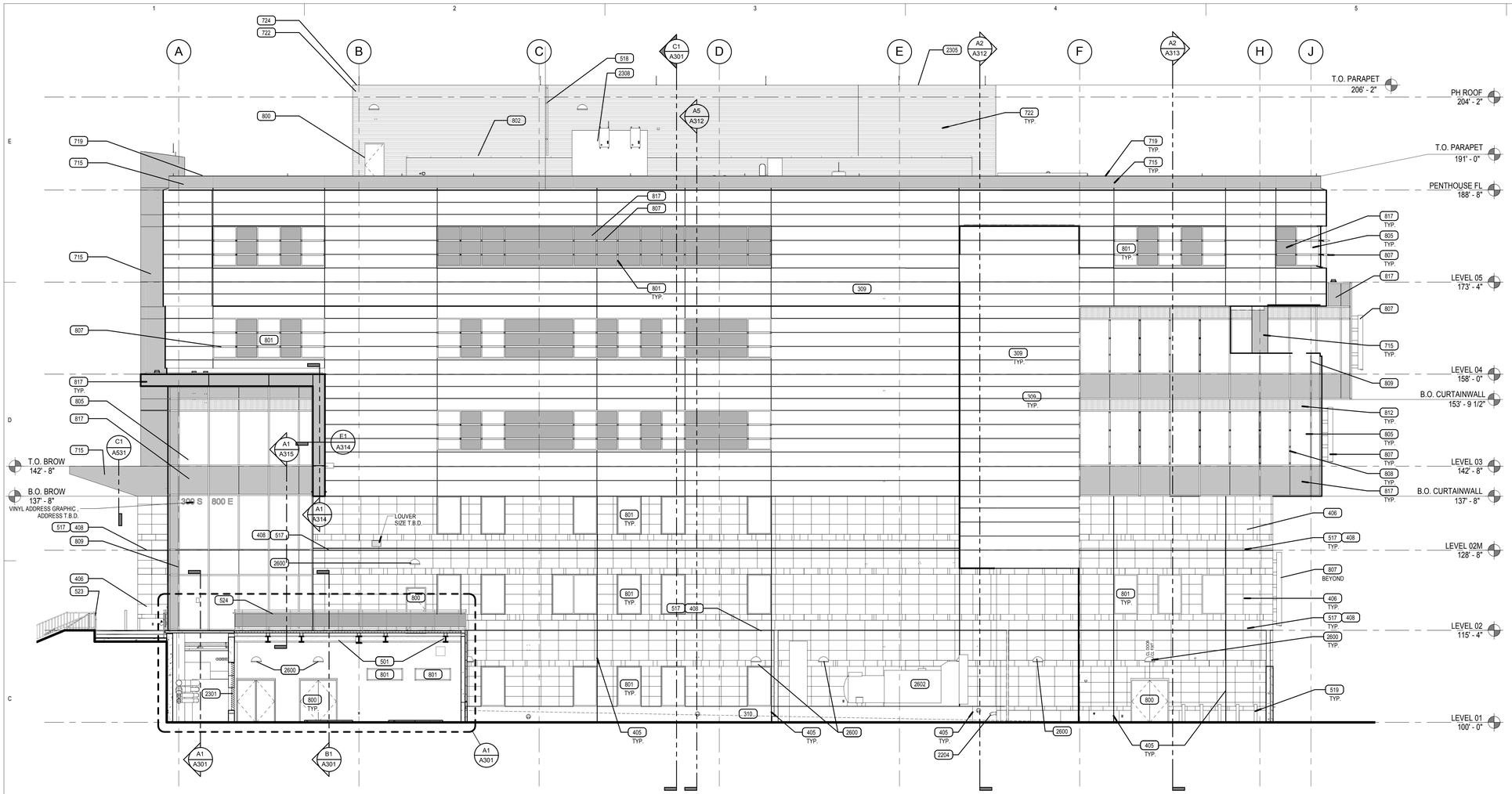
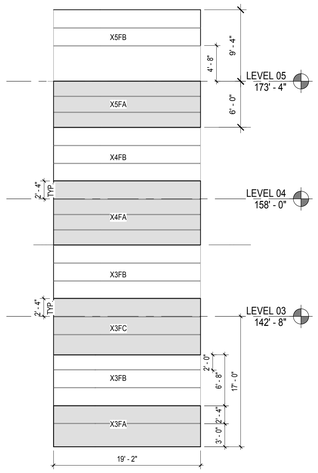


C1 WEST ELEVATION

SCALE: 1/8" = 1'-0"

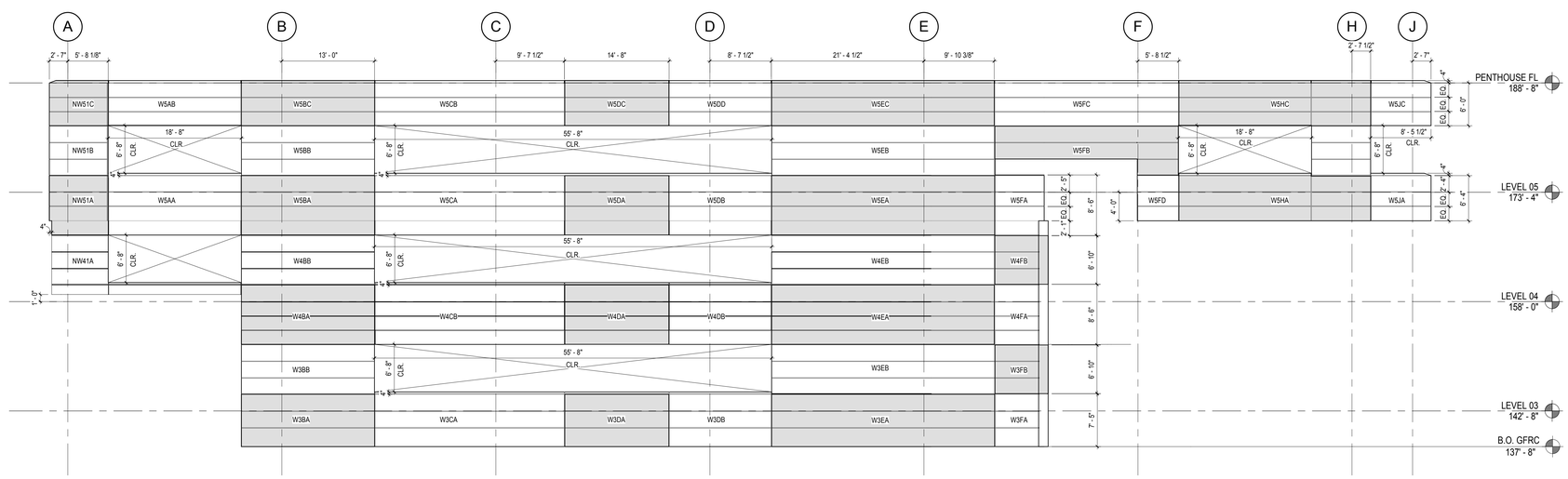


C6 GFRC WEST ELEVATION STAIR

SCALE: 1/8" = 1'-0"

KEYED NOTES

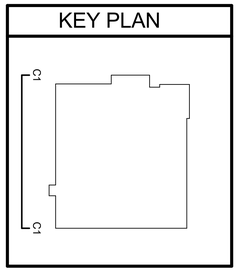
309 GFRC CLADDING SYSTEM
310 ARCHITECTURAL CONCRETE WALL
405 MASONRY VERTICAL CONTROL JOINTS SEE DETAIL A2/A511
406 STONE MASONRY
408 MASONRY HORIZONTAL CONTROL JOINTS SEE DETAIL B2/A510
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
517 STEEL LEDGER ANGLE
518 STEEL LADDER
519 STEEL PIPE BOLLARD, PAINTED, SEE DETAIL
523 1 1/2" DIA. STAINLESS STEEL PIPE HANDRAIL,TYP.
524 1-1/2" DIA. STAINLESS STEEL PIPE GUARDRAIL,TYP.
715 PRE-FINISHED EXTERIOR COMPOSITE METAL PANEL
719 CONT. COMPOSITE METAL COPING SYSTEM
722 PRE-FINISHED EXTERIOR METAL WALL PANELS
724 PRE-FINISHED CONT. STANDING SEAM METAL COPING SYSTEM
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
802 SKYLIGHT
805 GLAZING
807 HORIZONTAL LOUVER SYSTEM, SEE SHEET A562
808 VERTICAL LOUVER SYSTEM, SEE SHEET A562
809 CURTAIN WALL SYSTEM
812 SEMI-OPAQUE ETCHED GLAZING
817 WHITE SPANDREL GLAZING
2204 DUCKBILL OVERFLOW DRAIN OUTLETS
2301 PRE-FINISHED MECHANICAL LOUVER
2305 MECHANICAL COOLING TOWER
2308 MECHANICAL AIR HANDLER
2600 LIGHT FIXTURE
2602 GENERATOR WITH CONCRETE HOUSEKEEPING PAD
3205 6 YARD DUMPSTER, NIC



A1 GFRC WEST ELEVATION

SCALE: 1/8" = 1'-0"

KEY PLAN



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EXTERIOR ELEVATIONS

A203

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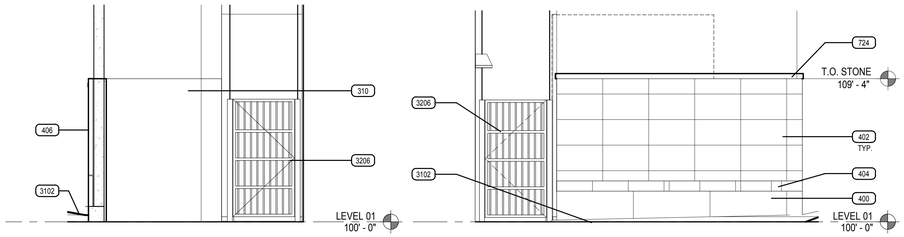
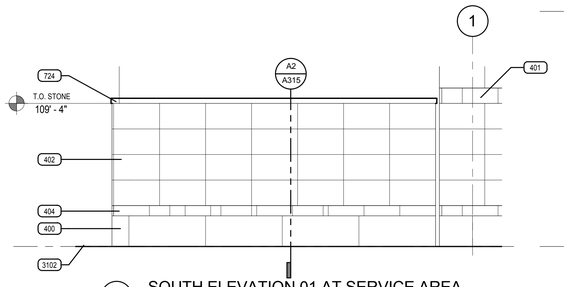
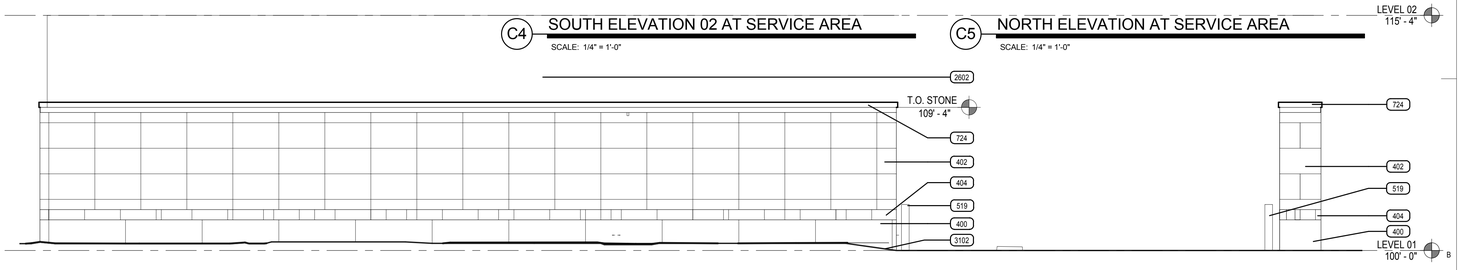


C4 SOUTH ELEVATION 02 AT SERVICE AREA
SCALE: 1/4" = 1'-0"

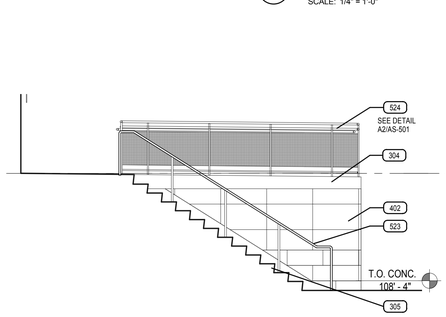
C5 NORTH ELEVATION AT SERVICE AREA
SCALE: 1/4" = 1'-0"



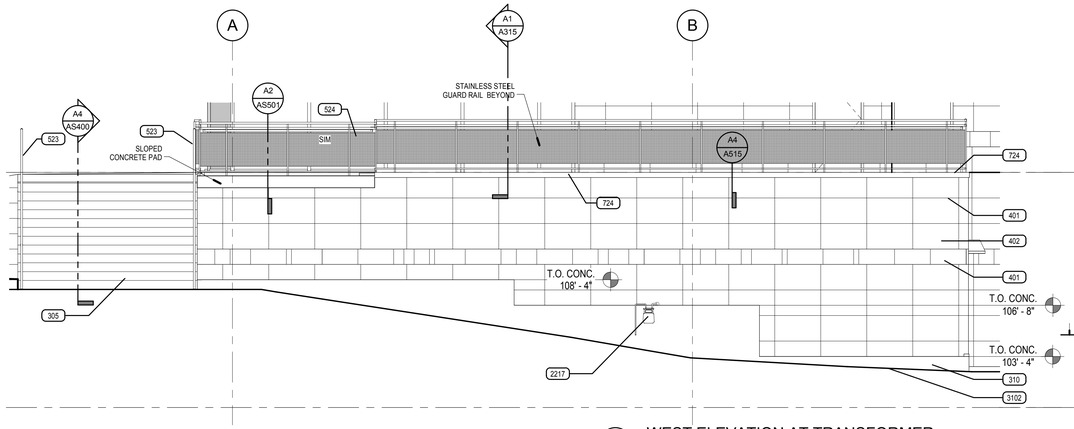
B1 SOUTH ELEVATION 01 AT SERVICE AREA
SCALE: 1/4" = 1'-0"



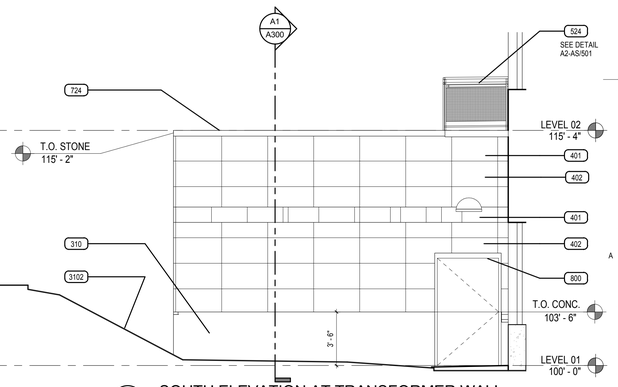
B5 WEST ELEVATION AT SERVICE AREA
SCALE: 1/4" = 1'-0"



A1 NORTH ELEVATION AT TRANSFORMER
SCALE: 1/4" = 1'-0"



A3 WEST ELEVATION AT TRANSFORMER
SCALE: 1/4" = 1'-0"



A5 SOUTH ELEVATION AT TRANSFORMER WALL
SCALE: 1/4" = 1'-0"

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EXTERIOR ELEVATIONS

A204
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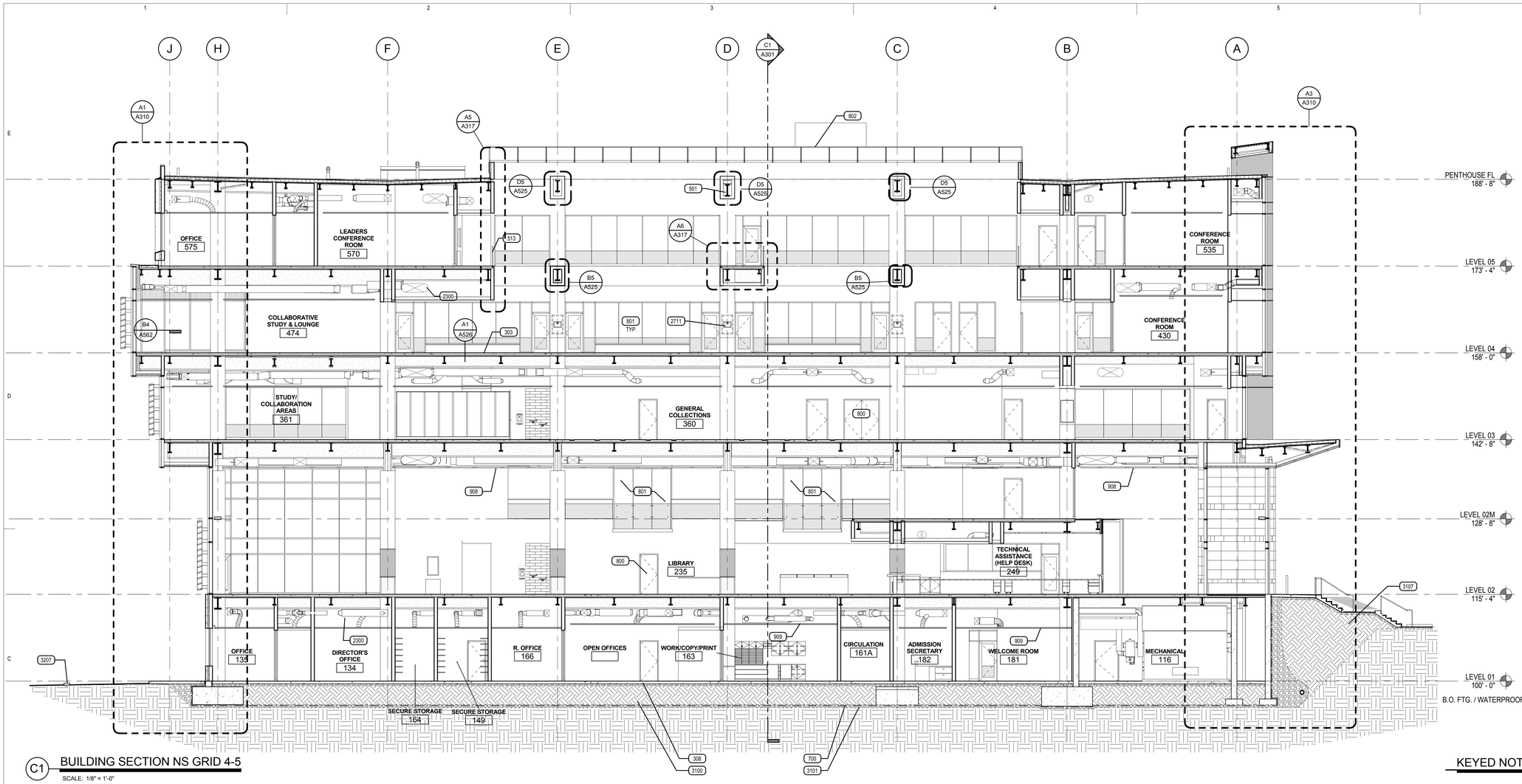
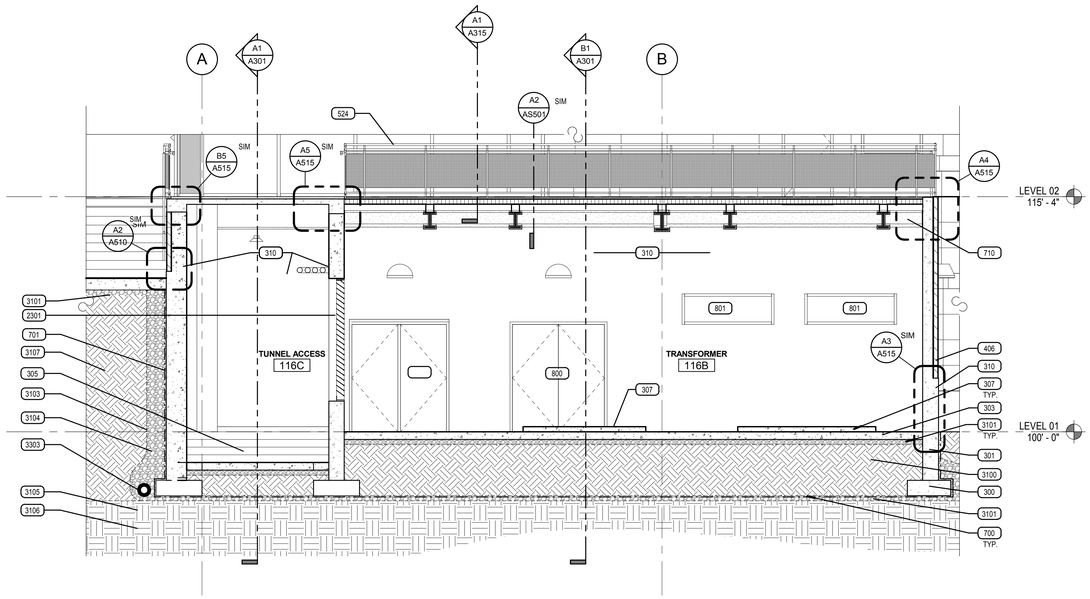


C1 BUILDING SECTION NS GRID 4-5

SCALE: 1/8" = 1'-0"



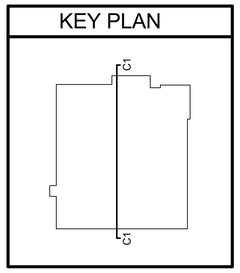
A1 MECHANICAL YARD

SCALE: 1/4" = 1'-0"

KEYED NOTES

300 REINFORCED CONCRETE FOOTING
301 REINFORCED CONCRETE FOUNDATION WALL
303 REINFORCED CONCRETE SLAB ON METAL DECK
305 REINFORCED CONCRETE STAIRS.
307 CONCRETE HOUSEKEEPING PAD, COORDINATE SIZE WITH EQUIPMENT.
308 REINFORCED CONCRETE SLAB
310 ARCHITECTURAL CONCRETE WALL
406 STONE MASONRY
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
513 DECORATIVE RAILING WITH 1/2" GLAZING, SEE DETAIL A6/A551
524 1-1/2" DIA. STAINLESS STEEL PIPE GUARDRAIL,TYP.
700 BELOW-GRADE WATERPROOFING SYSTEM
701 WATERPROOFING SYSTEM W/ DRAINAGE PANEL SYSTEM TYP.
710 2 HOUR INTUMESCENT COATING PER UL ASSEMBLY
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
802 SKYLIGHT
908 WOOD LOUVER SUSPENDED CEILING SYSTEM
909 SUSPENDED ACOUSTICAL TILE CEILING
2300 MECHANICAL DUCT PAINTED WHERE EXPOSED
2301 PRE-FINISHED MECHANICAL LOUVER
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
3100 ENGINEERED FILL
3101 FREE DRAINING GRAVEL BASE
3103 SEPERATION FABRIC
3104 GRAVEL CHIMNEY DRAIN, MIN WIDTH 18"
3105 EXCAVATED BEDROCK WATERWAY - SEE CIVIL DRAWINGS
3106 EXCAVATE 36" MIN UNDER FOOTINGS AND SLAB, TYP.
3107 BACKFILL/ FILL SOIL
3207 CONC. MOW STRIP SEE DETAIL
3303 4" DIA PERFORATED DRAIN PIPE WITH MIN 2% SLOPE

KEY PLAN



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BUILDING SECTIONS

A300

Sheet Number

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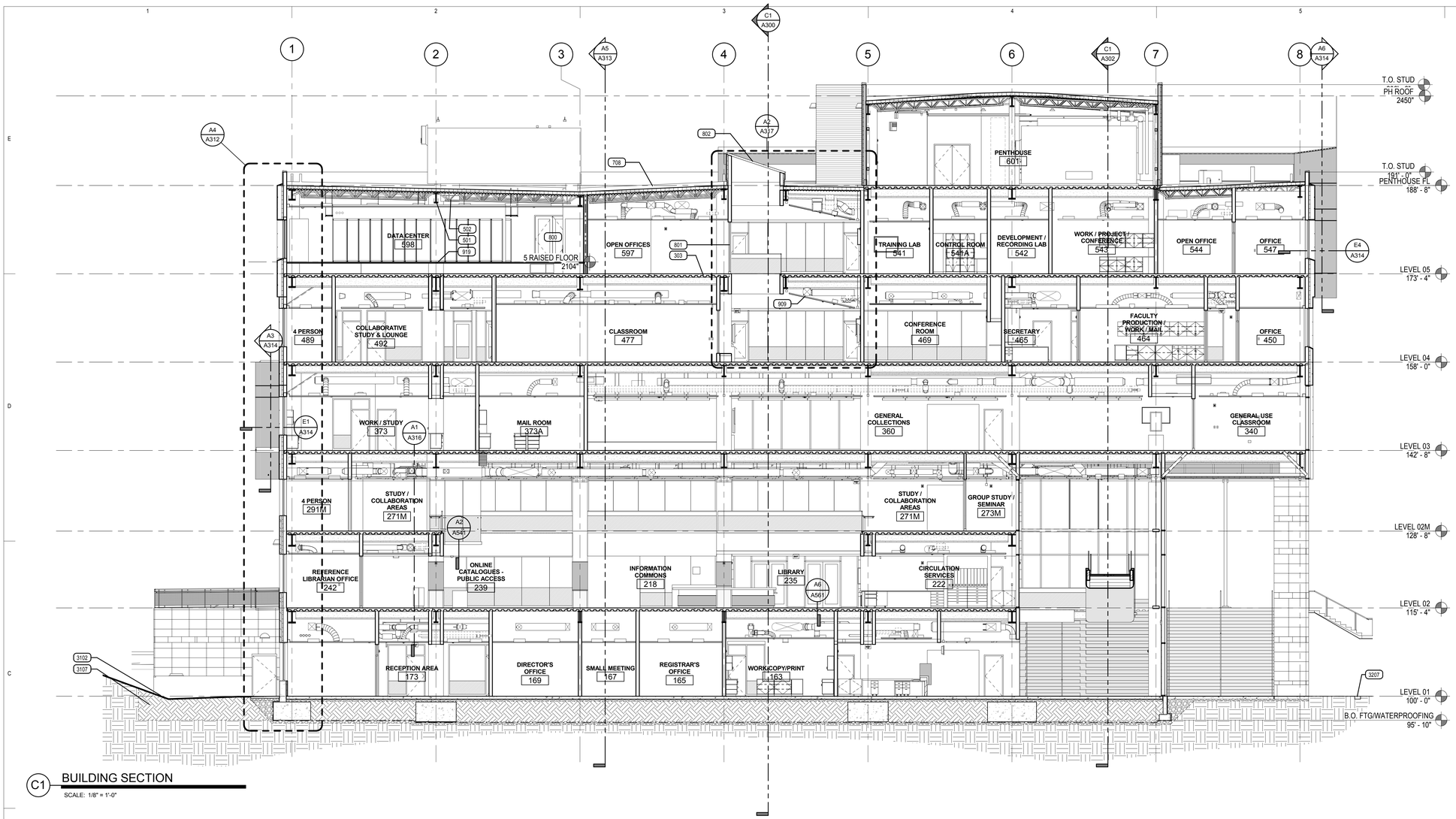
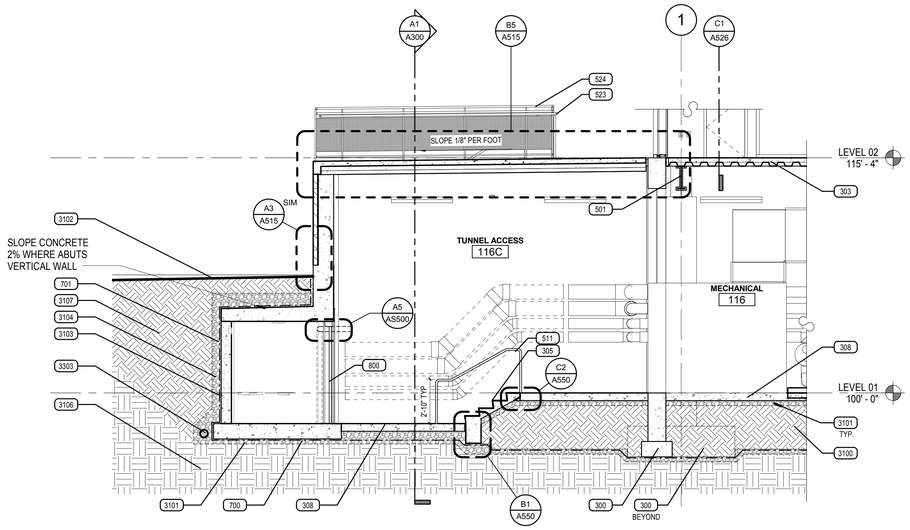


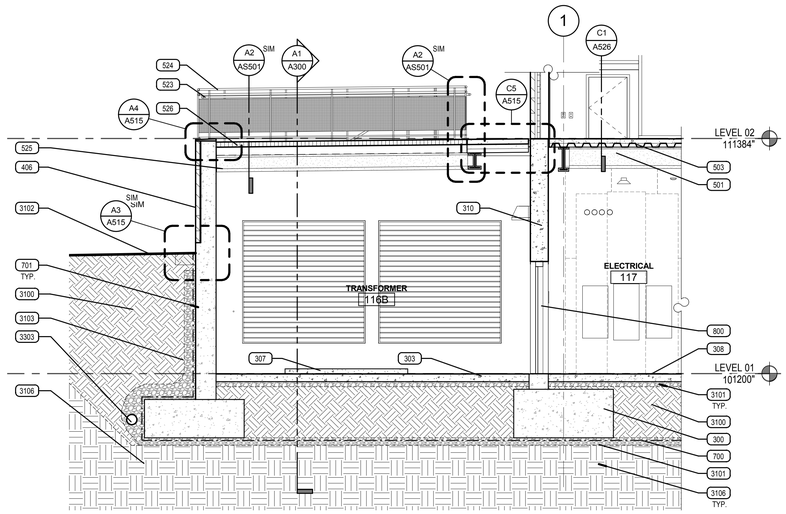
C1 BUILDING SECTION

SCALE: 1/8" = 1'-0"



A1 TUNNEL ACCESS

SCALE: 1/4" = 1'-0"



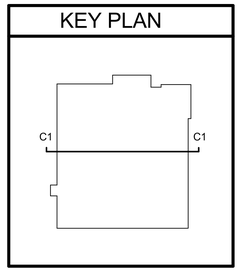
B1 MECHANICAL YARD TRANSVERSE

SCALE: 1/4" = 1'-0"

KEYED NOTES

300 REINFORCED CONCRETE FOOTING
303 REINFORCED CONCRETE SLAB ON METAL DECK
305 REINFORCED CONCRETE STAIRS.
307 CONCRETE HOUSEKEEPING PAD, COORDINATE SIZE WITH EQUIPMENT.
308 REINFORCED CONCRETE SLAB
310 ARCHITECTURAL CONCRETE WALL
406 STONE MASONRY
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
502 STEEL JOIST WITH 1 HOUR FIREPROOFING
503 STEEL DECK PAINTED WHERE EXPOSED
511 1 1/2" DIA. STEEL PIPE HANDRAIL PAINTED U.N.O.
523 1 1/2" DIA. STAINLESS STEEL PIPE HANDRAIL,TYP.
524 1-1/2" DIA. STAINLESS STEEL PIPE GUARDRAIL,TYP.
525 STEEL BEAM PAINTED WHERE EXPOSED
526 GALVANIZED STEEL GRATING
700 BELOW-GRADE WATERPROOFING SYSTEM
701 WATERPROOFING SYSTEM W/ DRAINAGE PANEL SYSTEM TYP.
708 R-30 ROOF RIGID INSULATION BOARD SYSTEM
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
802 SKYLIGHT
909 SUSPENDED ACOUSTICAL TILE CEILING
919 ACCESS FLOORING
3100 ENGINEERED FILL
3101 FREE DRAINING GRAVEL BASE
3102 FINISH GRADE
3103 SEPERATION FABRIC
3104 GRAVEL CHIMNEY DRAIN, MIN WIDTH 18"
3106 EXCAVATE 36" MIN UNDER FOOTINGS AND SLAB, TYP.
3107 BACKFILL/ FILL SOIL
3207 CONC. MOW STRIP SEE DETAIL
3303 4" DIA PERFORATED DRAIN PIPE WITH MIN 2% SLOPE

KEY PLAN



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BUILDING SECTIONS

A301

Sheet Number

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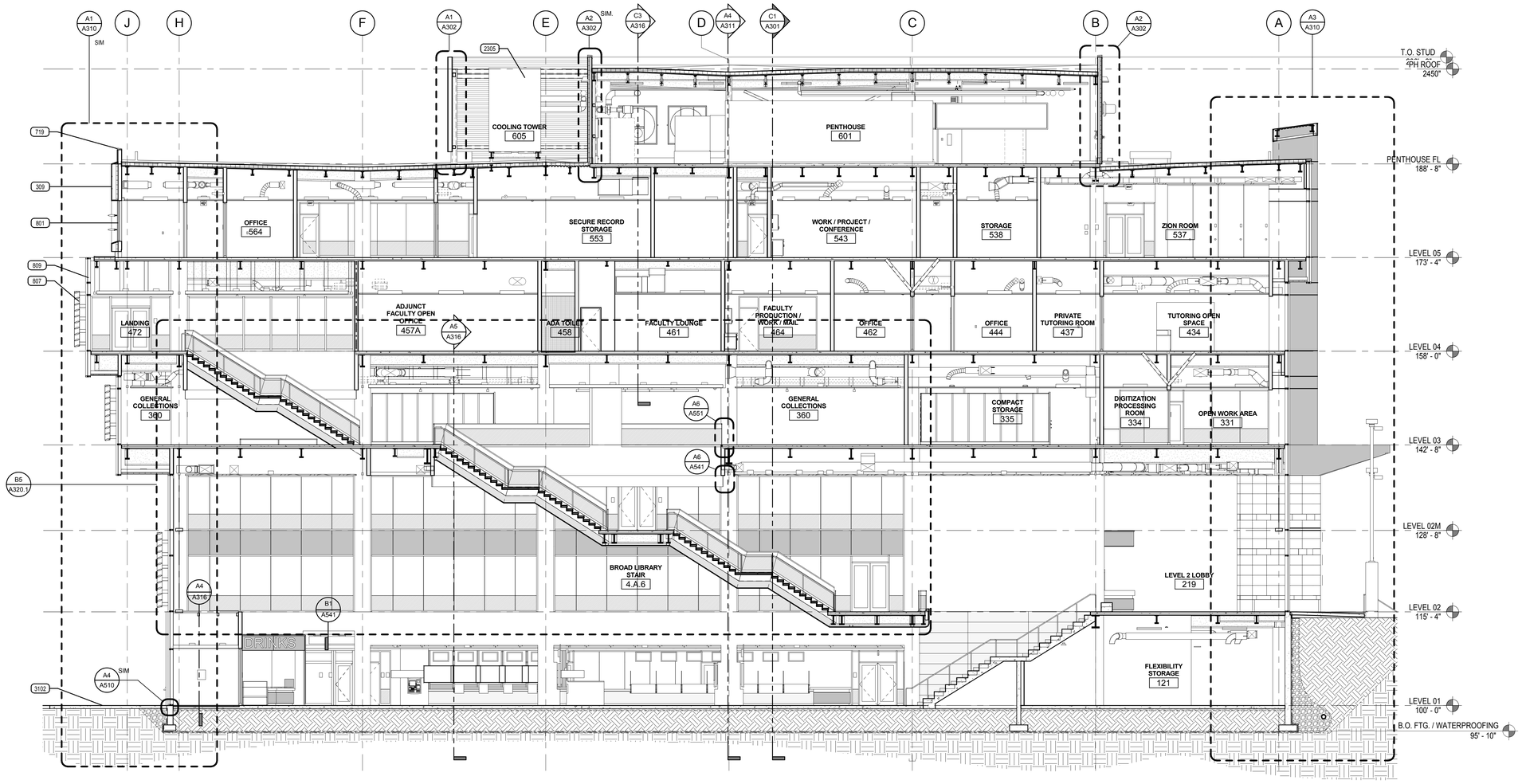
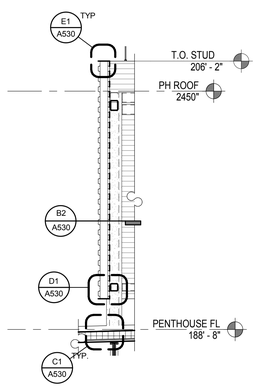


C1 BUILDING SECTION

SCALE: 1/8" = 1'-0"

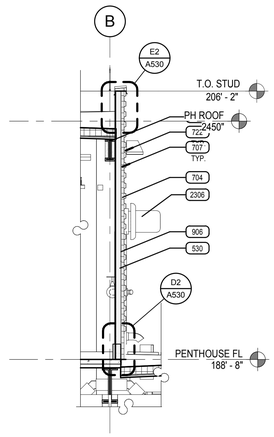
KEYED NOTES

309 GFRC CLADDING SYSTEM
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
530 3 5/8" COLD ROLLED METAL STUDS (These are 16 ga and lower)
704 FLUID APPLIED AIR AND MOISTURE BARRIER
707 R-12 EXTERIOR WALL INSULATION BOARD SYSTEM
719 CONT. COMPOSITE METAL COPING SYSTEM
722 PRE-FINISHED EXTERIOR METAL WALL PANELS
801 ALUMINUM STOREFRONT WINDOW SYSTEM
807 HORIZONTAL LOUVER SYSTEM, SEE SHEET A562
809 CURTAIN WALL SYSTEM
906 5/8" GYP. SHEATHING
2305 MECHANICAL COOLING TOWER
2306 MECHANICAL EXHAUST FAN
3102 FINISH GRADE



A1 WALL SECTION

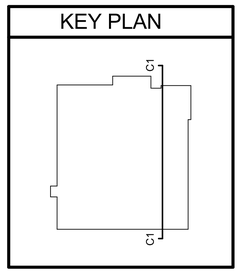
SCALE: 1/4" = 1'-0"



A2 WALL SECTION

SCALE: 1/4" = 1'-0"

KEY PLAN



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DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
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BUILDING SECTIONS

A302
Sheet Number

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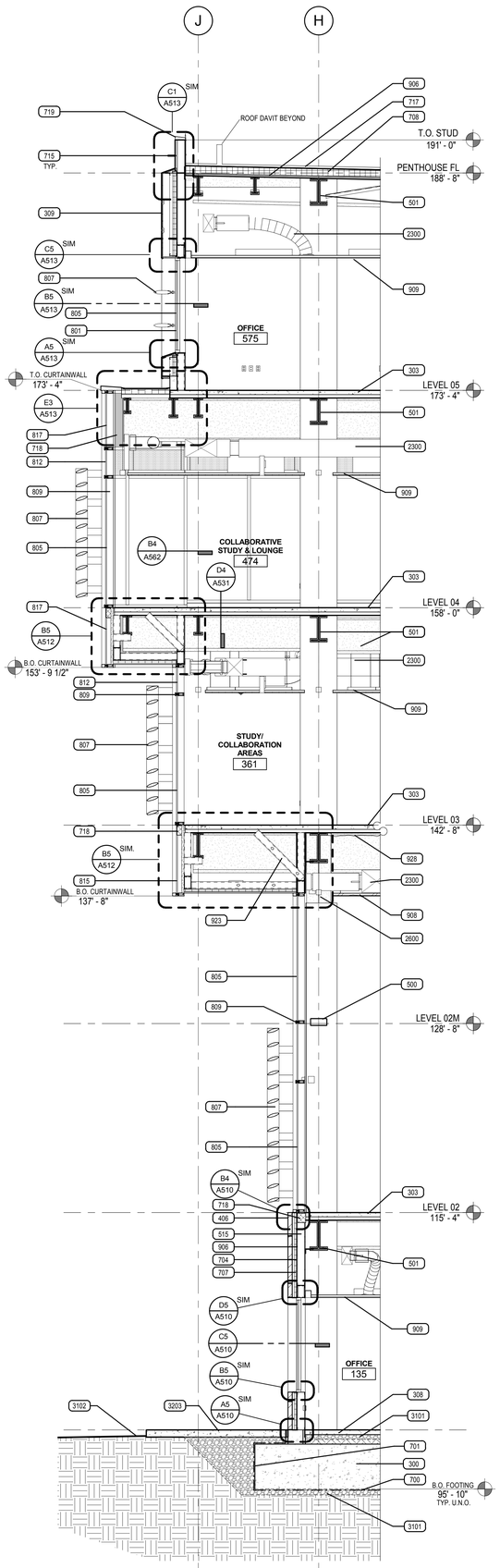
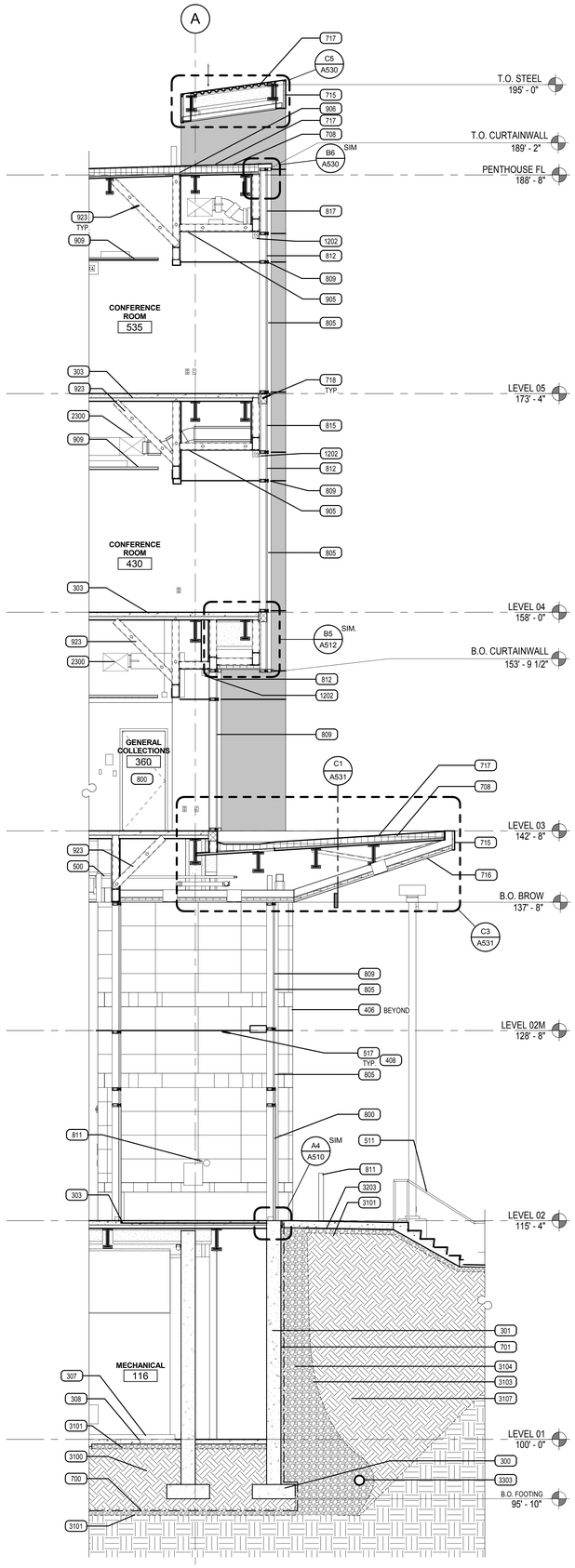


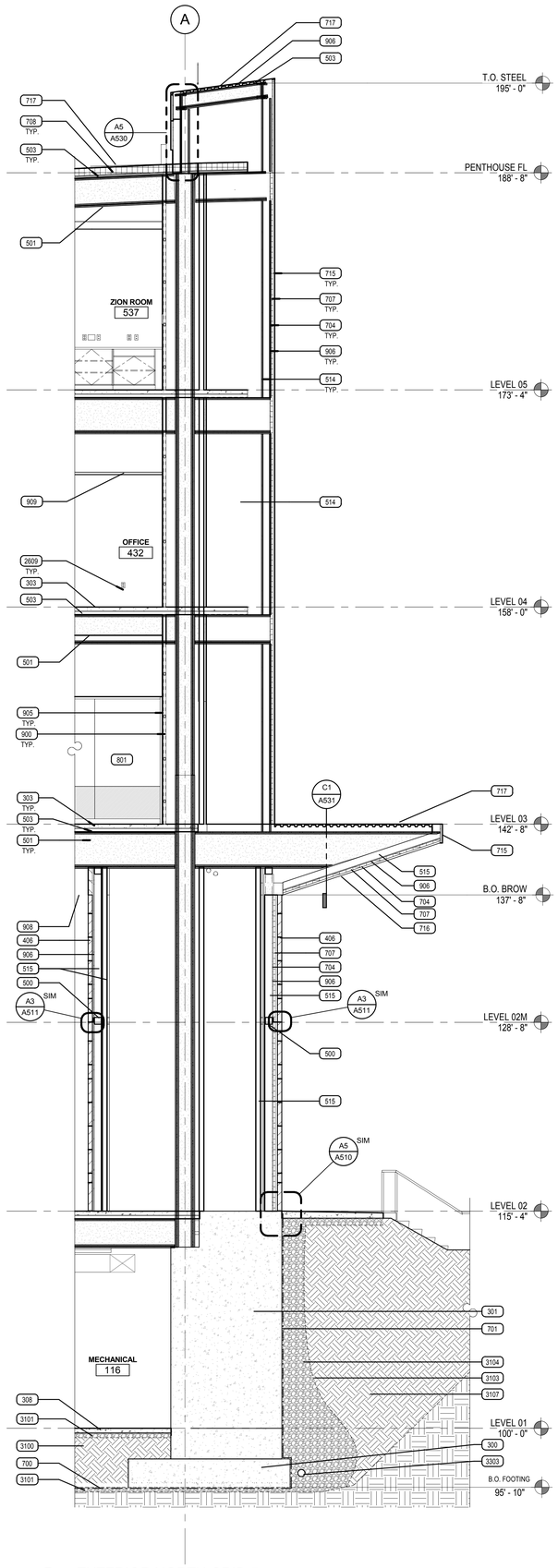
A1 EXTERIOR SOUTH GRID 4-5

SCALE: 1/4" = 1'-0"



A3 EXTERIOR NORTH GRID 4-5

SCALE: 1/4" = 1'-0"



A4 EXTERIOR NORTH GRID 5

SCALE: 1/4" = 1'-0"

KEYED NOTES

300 REINFORCED CONCRETE FOOTING
301 REINFORCED CONCRETE FOUNDATION WALL
303 REINFORCED CONCRETE SLAB ON METAL DECK
307 CONCRETE HOUSEKEEPING PAD, COORDINATE SIZE WITH EQUIPMENT.
308 REINFORCED CONCRETE SLAB
309 GFRC CLADDING SYSTEM
406 STONE MASONRY
408 MASONRY HORIZONTAL CONTROL JOINTS SEE DETAIL B2/A510
500 STEEL TUBE PAINTED WHERE EXPOSED
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
503 STEEL DECK PAINTED WHERE EXPOSED
511 1 1/2" DIA. STEEL PIPE HANDRAIL PAINTED U.N.O.
514 STEEL COLUMN WITH 2 HOUR FIREPROOFING
515 6" COLD ROLLED METAL STUDS
517 STEEL LEDGER ANGLE
700 BELOW-GRADE WATERPROOFING SYSTEM
701 WATERPROOFING SYSTEM W/ DRAINAGE PANEL SYSTEM TYP.
704 FLUID APPLIED AIR AND MOISTURE BARRIER
707 R-12 EXTERIOR WALL INSULATION BOARD SYSTEM
708 R-30 ROOF RIGID INSULATION BOARD SYSTEM
708
715 PRE-FINISHED EXTERIOR COMPOSITE METAL PANEL
716 PRE-FINISHED EXTERIOR COMPOSITE METAL SOFFIT
717 WHITE SINGLE PLY MEMBRANE ROOFING SYSTEM.
718 FIRESTOP ASSEMBLY
719 CONT. COMPOSITE METAL COPING SYSTEM
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
807 HORIZONTAL LOUVER SYSTEM, SEE SHEET A562
809 CURTAIN WALL SYSTEM
811 ACCESSIBLE DOOR ACTIVATOR
812 SEMI-OPAQUE ETCHED GLAZING
815 GLASS BUTT JOINT WITH SEALANT
817 WHITE SPANDREL GLAZING
900 2-1/2" METAL STUD FRAMING
905 5/8" TYPE "X" GYP. BD. PAINTED WHERE EXPOSED
906 5/8" GYP. SHEATHING
908 WOOD LOUVER SUSPENDED CEILING SYSTEM
909 SUSPENDED ACOUSTICAL TILE CEILING
923 45 DEGREE ANGLED METAL STUD BRACING @ 32" OC, MIN
928 2" SPRAYED ACOUSTICAL INSULATION
1202 WINDOW TREATMENT OPERATING HARDWARE
2300 MECHANICAL DUCT PAINTED WHERE EXPOSED
2600 LIGHT FIXTURE
2609 POWER OUTLET
3100 ENGINEERED FILL
3101 FREE DRAINING GRAVEL BASE
3102 FINISH GRADE
3103 SEPERATION FABRIC
3104 GRAVEL CHIMNEY DRAIN, MIN WIDTH 18"
3107 BACKFILL/ FILL SOIL
3203 4" THICK CONCRETE SIDEWALK U.N.O. W/ SAWCUT CONTROL JOINTS SEE DETAIL
3303 4" DIA PERFORATED DRAIN PIPE WITH MIN 2% SLOPE

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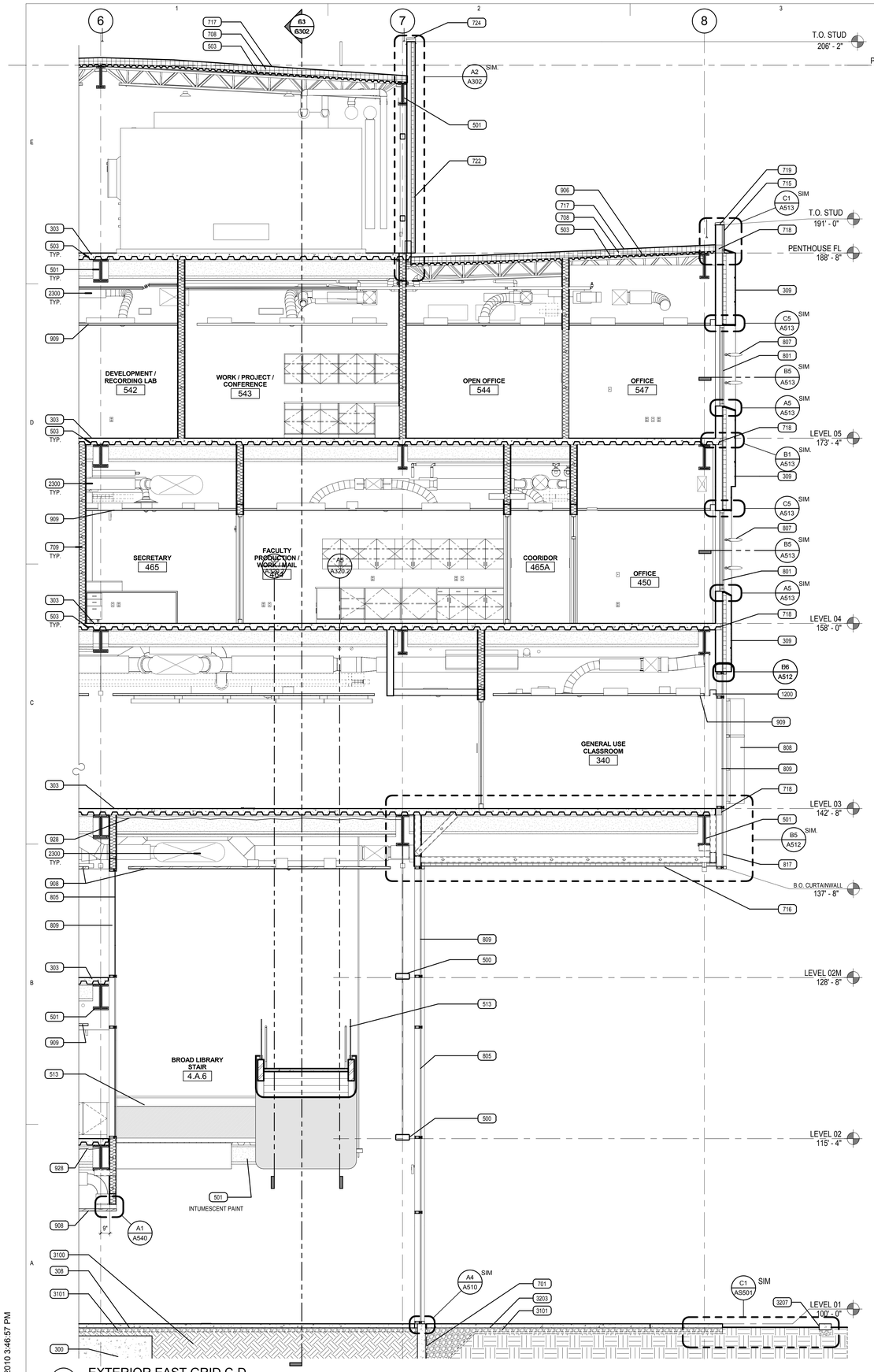
Ins. #

WALL SECTIONS

A310

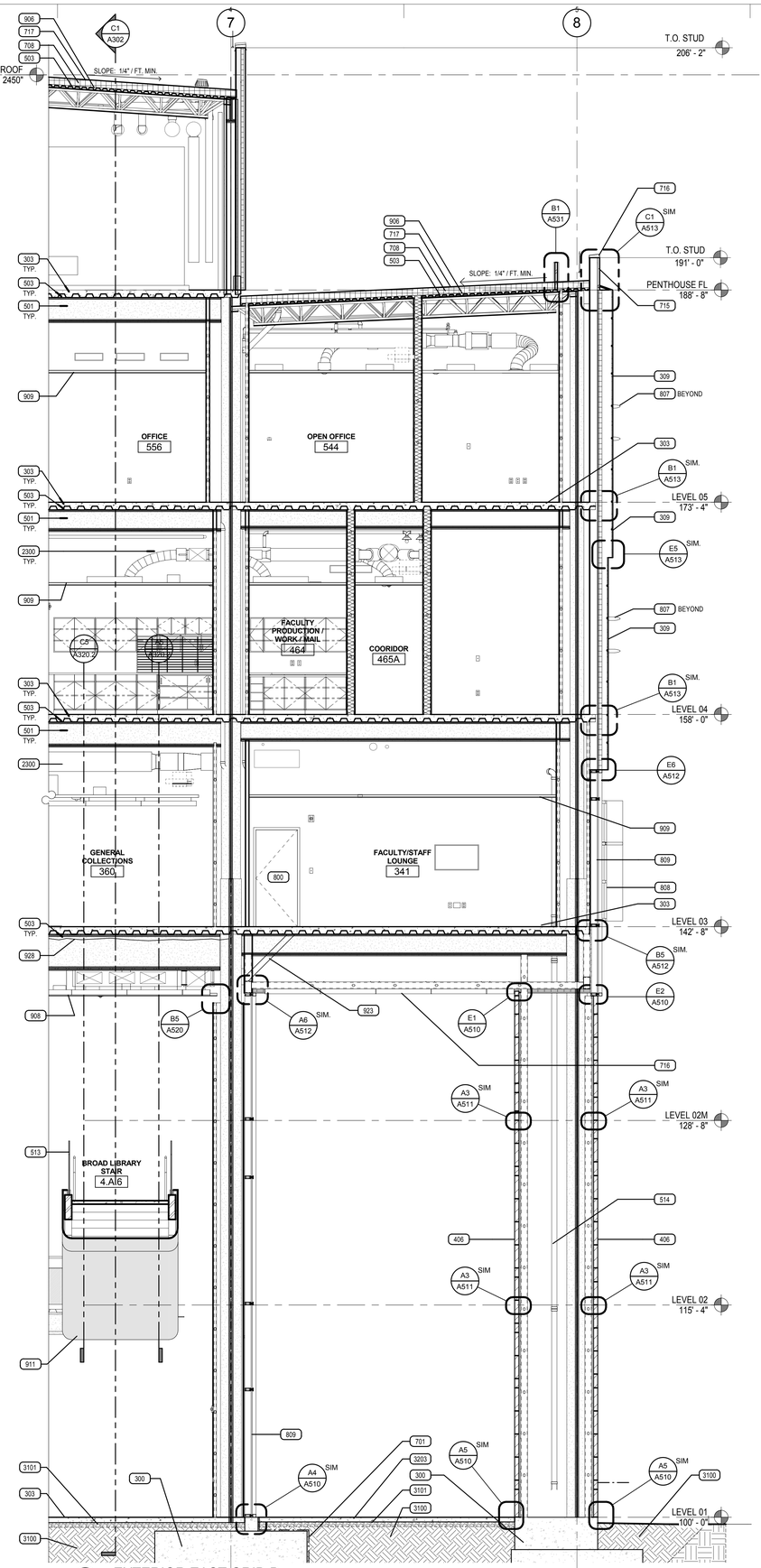
Sheet Number

12/6/2010 3:46:40 PM



A1 EXTERIOR EAST GRID C-D

SCALE: 1/4" = 1'-0"



A4 EXTERIOR EAST GRID D

SCALE: 1/4" = 1'-0"

KEYED NOTES

300 REINFORCED CONCRETE FOOTING
307 REINFORCED CONCRETE SLAB ON METAL DECK
308 REINFORCED CONCRETE SLAB
309 GFRC CLADDING SYSTEM
406 STONE MASONRY
500 STEEL TUBE PAINTED WHERE EXPOSED
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
503 STEEL DECK PAINTED WHERE EXPOSED
513 DECORATIVE RAILING WITH 1/2" GLAZING. SEE DETAIL A6/A551
514 STEEL COLUMN WITH 2 HOUR FIREPROOFING
701 WATERPROOFING SYSTEM W/ DRAINAGE PANEL SYSTEM TYP.
708 R-30 ROOF RIGID INSULATION BOARD SYSTEM
709 BATT INSULATION FULL THICKNESS
715 PRE-FINISHED EXTERIOR COMPOSITE METAL PANEL
716 PRE-FINISHED EXTERIOR COMPOSITE METAL SOFFIT
717 WHITE SINGLE PLY MEMBRANE ROOFING SYSTEM.
718 FIRESTOP ASSEMBLY
719 CONT. COMPOSITE METAL COPING SYSTEM
722 PRE-FINISHED EXTERIOR METAL WALL PANELS
724 PRE-FINISHED CONT. STANDING SEAM METAL COPING SYSTEM
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
807 HORIZONTAL LOUVER SYSTEM. SEE SHEET A562
808 VERTICAL LOUVER SYSTEM. SEE SHEET A562
809 CURTAIN WALL SYSTEM
817 WHITE SPANDREL GLAZING
906 5/8" GYP. SHEATHING
908 WOOD LOUVER SUSPENDED CEILING SYSTEM
909 SUSPENDED ACOUSTICAL TILE CEILING
911 PAINTED GYPSUM BOARD
923 45 DEGREE ANGLED METAL STUD BRACING @ 32" OC, MIN
928 2" SPRAYED ACOUSTICAL INSULATION
1200 ROLLER WINDOW SHADES WITH POCKET
2300 MECHANICAL DUCT PAINTED WHERE EXPOSED
3100 ENGINEERED FILL
3101 FREE DRAINING GRAVEL BASE
3203 4" THICK CONCRETE SIDEWALK U.N.O. W/ SAWCUT CONTROL JOINTS SEE DETAIL
3207 CONC. MOW STRIP SEE DETAIL

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WALL SECTIONS

A311

Sheet Number

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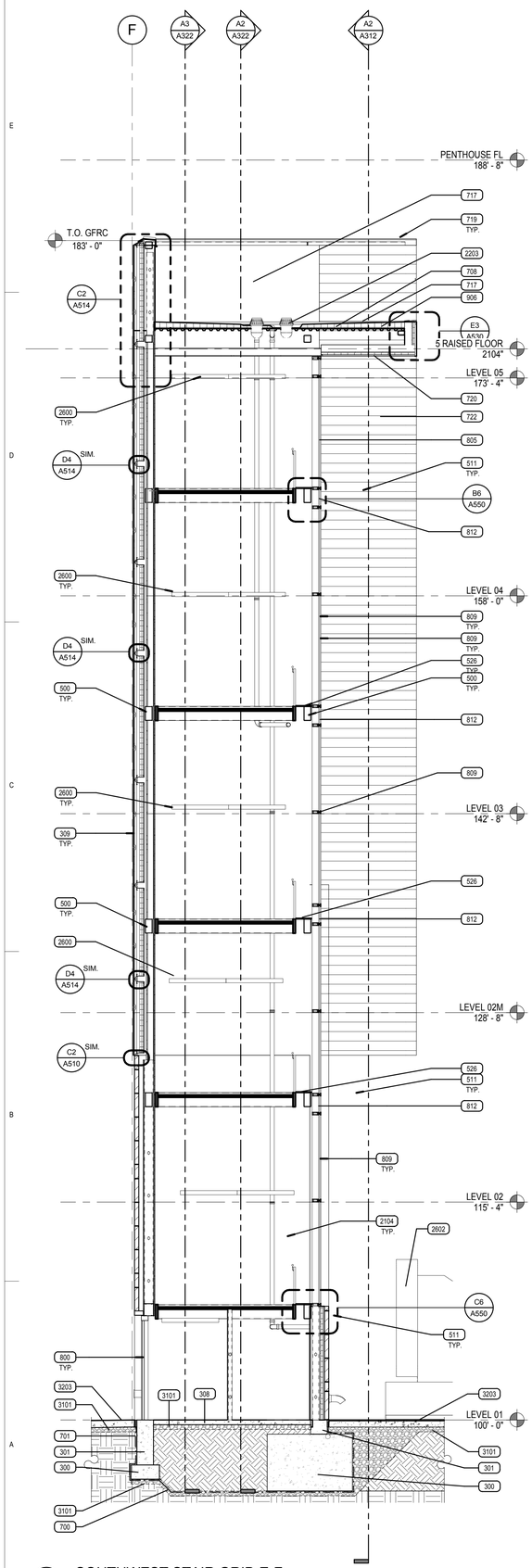
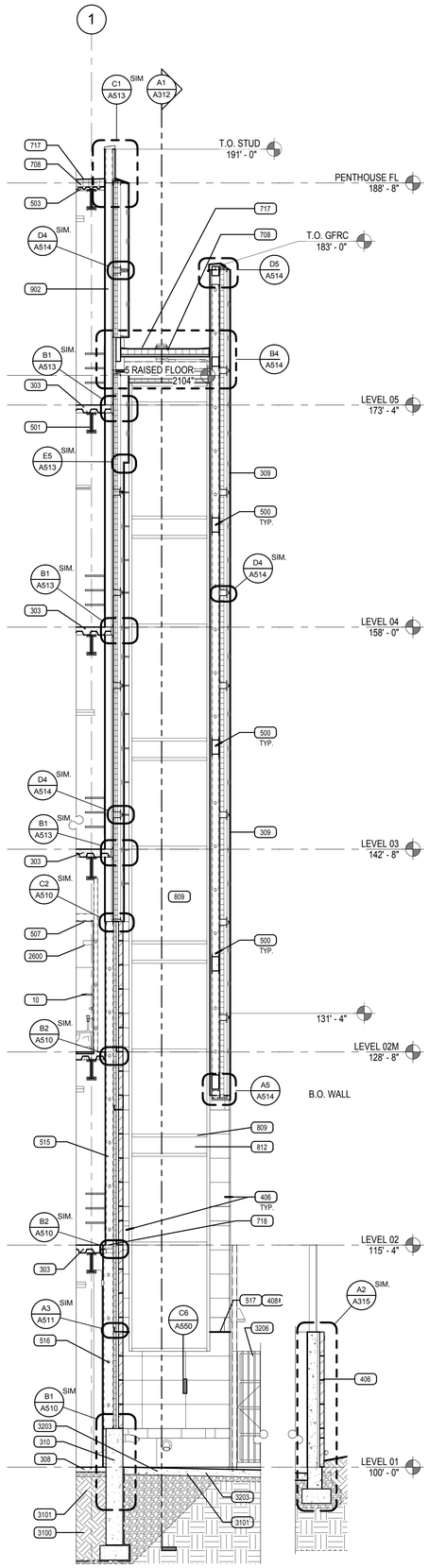


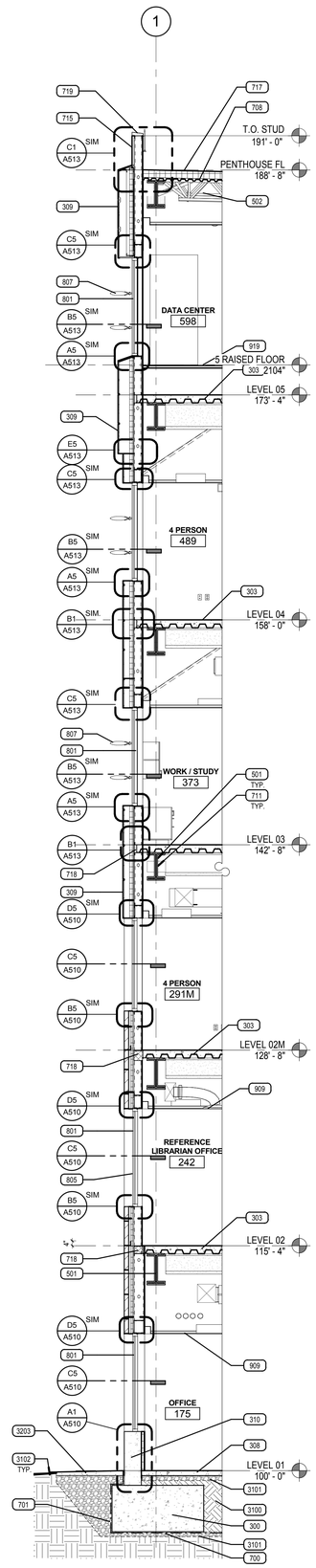
A1 SOUTHWEST STAIR GRID E-F

SCALE: 1/4" = 1'-0"



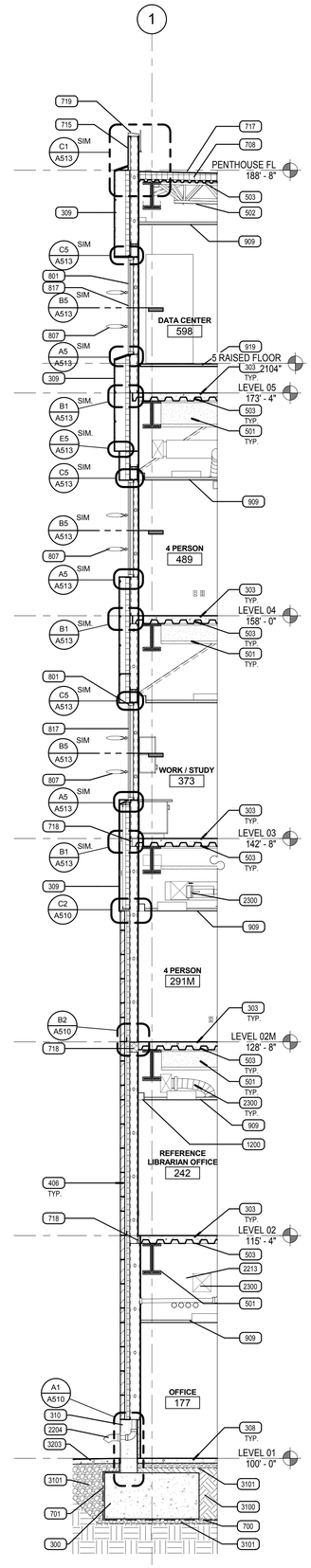
A2 SOUTHWEST STAIR WINGWALL GRID E-F

SCALE: 1/4" = 1'-0"



A4 EXTERIOR WEST GRID C-D

SCALE: 1/4" = 1'-0"



A5 EXTERIOR WEST GRID D

SCALE: 1/4" = 1'-0"

KEYED NOTES

10 DIVISION 10 - SPECIALTIES
300 REINFORCED CONCRETE FOOTING
301 REINFORCED CONCRETE FOUNDATION WALL
303 REINFORCED CONCRETE SLAB ON METAL DECK
306 REINFORCED CONCRETE SLAB
309 GFRC CLADDING SYSTEM
310 ARCHITECTURAL CONCRETE WALL
406 STONE MASONRY
408 MASONRY HORIZONTAL CONTROL JOINTS SEE DETAIL B2/A510
500 STEEL TUBE PAINTED WHERE EXPOSED
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
502 STEEL JOIST WITH 1 HOUR FIREPROOFING
503 STEEL DECK PAINTED WHERE EXPOSED
507 TUBE STEEL COLUMN, PAINTED
511 1 1/2" DIA. STEEL PIPE HANDRAIL PAINTED U.N.O.
515 6" COLD ROLLED METAL STUDS
516 8" COLD ROLLED METAL STUDS
517 STEEL LEDGER ANGLE
526 GALVANIZED STEEL GRATING
700 BELOW-GRADE WATERPROOFING SYSTEM
701 WATERPROOFING SYSTEM W/ DRAINAGE PANEL SYSTEM TYP.
708 R-30 ROOF RIGID INSULATION BOARD SYSTEM
711 FIRE SAFING INSULATION
715 PRE-FINISHED EXTERIOR COMPOSITE METAL PANEL
717 WHITE SINGLE PLY MEMBRANE ROOFING SYSTEM.
718 FIRESTOP ASSEMBLY
719 CONT. COMPOSITE METAL COPING SYSTEM
720 PRE-FINISHED EXTERIOR METAL SOFFIT PANELS
722 PRE-FINISHED EXTERIOR METAL WALL PANELS
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
807 HORIZONTAL LOUVER SYSTEM, SEE SHEET A562
809 CURTAIN WALL SYSTEM
812 SEMI-OPAQUE ETCHED GLAZING
817 WHITE SPANDREL GLAZING
902 4" METAL CH STUD FRAMING
906 5/8" GYP. SHEATHING
909 SUSPENDED ACOUSTICAL TILE CEILING
919 ACCESS FLOORING
1200 ROLLER WINDOW SHADES WITH POCKET
2104 FIRE-SUPPRESSION STANDPIPES
2203 ROOF DRAIN & OVERFLOW ROOF DRAIN
2204 DUCKBILL OVERFLOW DRAIN OUTLETS
2213 ROOF DRAIN PIPING
2300 MECHANICAL DUCT PAINTED WHERE EXPOSED
2600 LIGHT FIXTURE
2602 GENERATOR WITH CONCRETE HOUSEKEEPING PAD
3100 ENGINEERED FILL
3101 FREE DRAINING GRAVEL BASE
3102 FINISH GRADE
3203 4" THICK CONCRETE SIDEWALK U.N.O. W/ SAWCUT CONTROL JOINTS SEE DETAIL
3206 GATE, SEE DETAIL

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WALL SECTIONS

A312

Sheet Number

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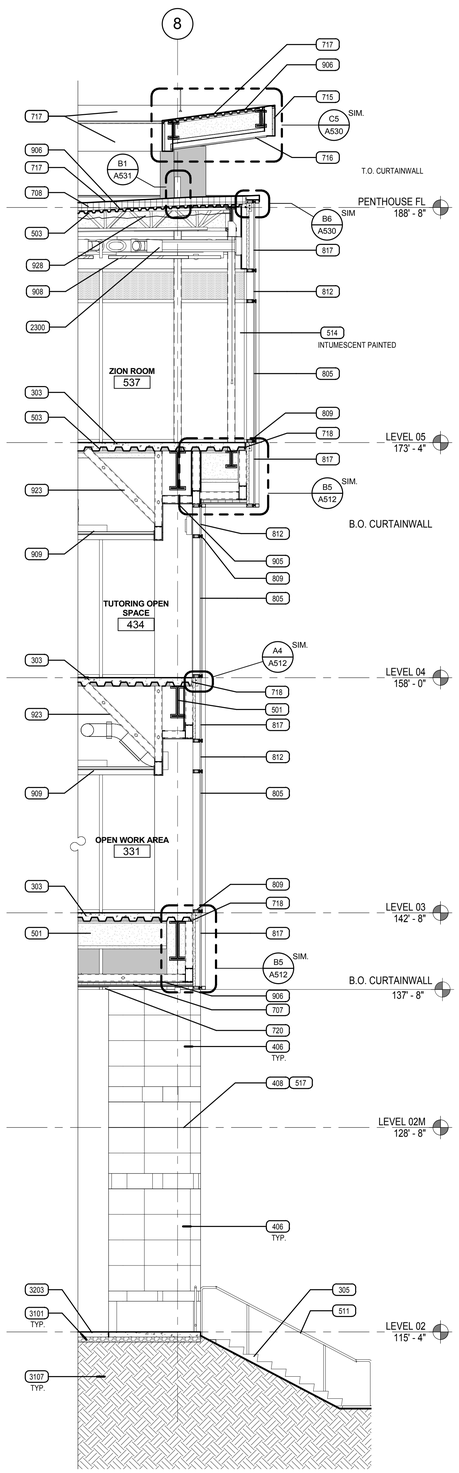
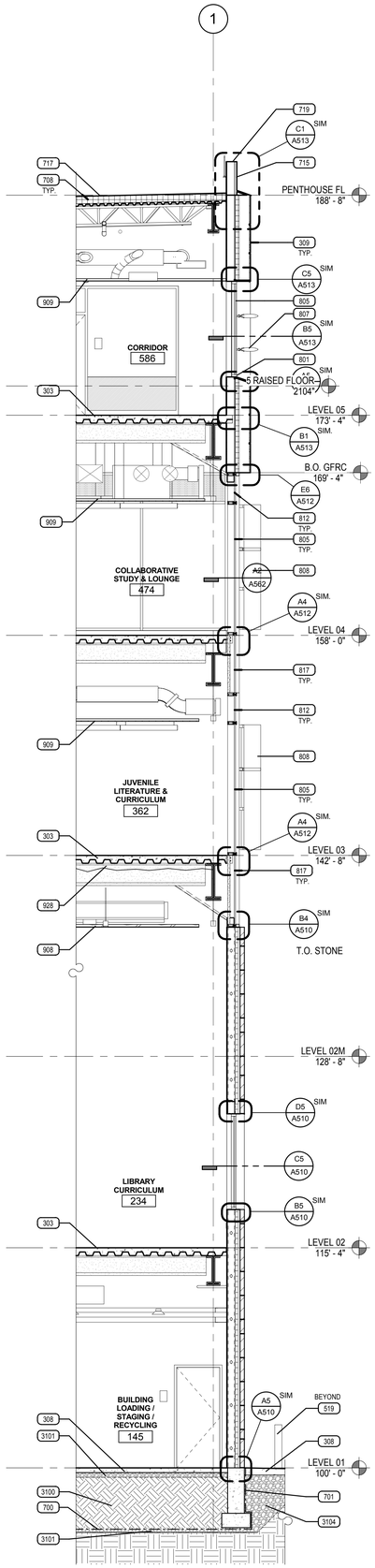


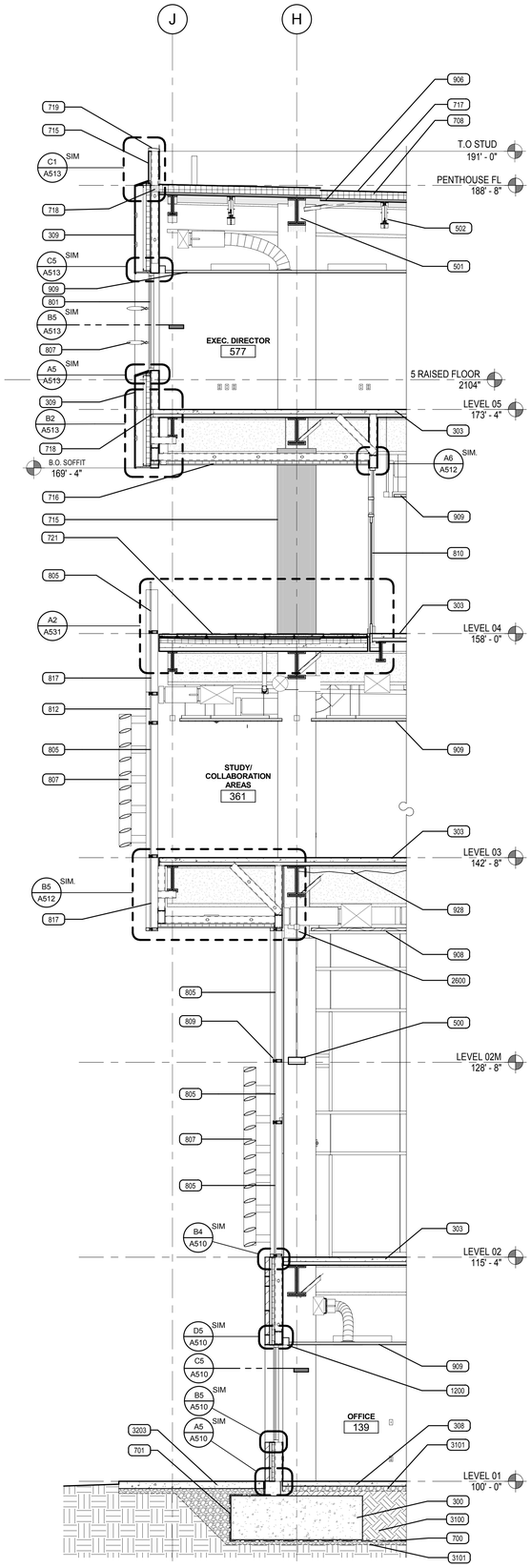
A1 EXTERIOR EAST GRID A-B

SCALE: 1/4" = 1'-0"



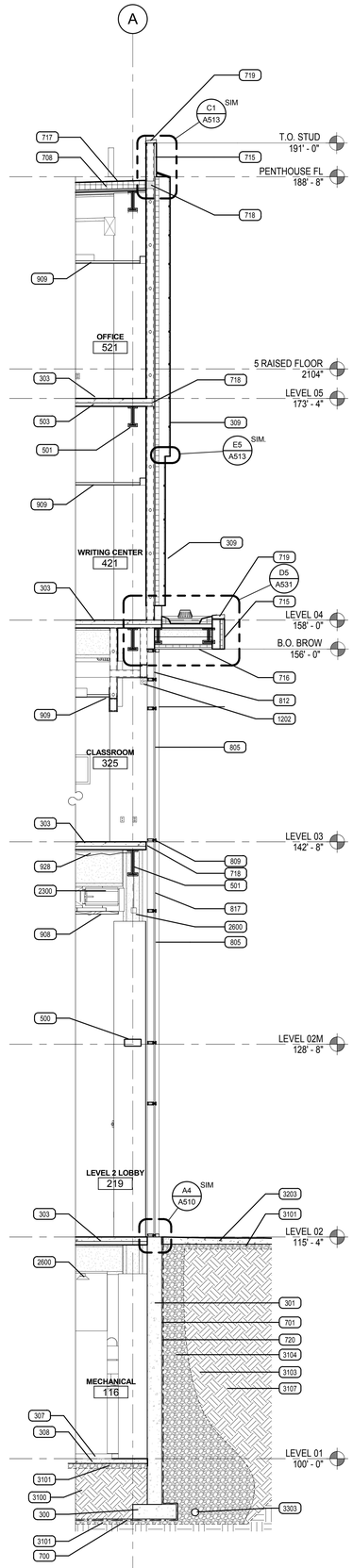
A2 EXTERIOR WEST GRID F-H

SCALE: 1/4" = 1'-0"



A3 EXTERIOR SOUTH GRID 3-4

SCALE: 1/4" = 1'-0"



A5 EXTERIOR NORTH GRID 3-4

SCALE: 1/4" = 1'-0"

KEYED NOTES

300 REINFORCED CONCRETE FOOTING
301 REINFORCED CONCRETE FOUNDATION WALL
303 REINFORCED CONCRETE SLAB ON METAL DECK
305 REINFORCED CONCRETE STAIRS.
307 CONCRETE HOUSEKEEPING PAD, COORDINATE SIZE WITH EQUIPMENT.
308 REINFORCED CONCRETE SLAB
309 GFRC CLADDING SYSTEM
406 STONE MASONRY
408 MASONRY HORIZONTAL CONTROL JOINTS SEE DETAIL B2/A510
500 STEEL TUBE PAINTED WHERE EXPOSED
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
502 STEEL JOIST WITH 1 HOUR FIREPROOFING
503 STEEL DECK PAINTED WHERE EXPOSED
511 1 1/2" DIA. STEEL PIPE HANDRAIL PAINTED U.N.O.
514 STEEL COLUMN WITH 2 HOUR FIREPROOFING
517 STEEL LEDGER ANGLE
519 STEEL PIPE BOLLARD, PAINTED, SEE DETAIL
700 BELOW-GRADE WATERPROOFING SYSTEM
701 WATERPROOFING SYSTEM W/ DRAINAGE PANEL SYSTEM TYP.
707 R-12 EXTERIOR WALL INSULATION BOARD SYSTEM
708 R-30 ROOF RIGID INSULATION BOARD SYSTEM
715 PRE-FINISHED EXTERIOR COMPOSITE METAL PANEL
716 PRE-FINISHED EXTERIOR COMPOSITE METAL SOFFIT
717 WHITE SINGLE PLY MEMBRANE ROOFING SYSTEM.
718 FIRESTOP ASSEMBLY
719 CONT. COMPOSITE METAL COPING SYSTEM
720 PRE-FINISHED EXTERIOR METAL SOFFIT PANELS
721 ADJUSTABLE PEDESTALS AND CONCRETE PAVERS
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
807 HORIZONTAL LOUVER SYSTEM, SEE SHEET A562
808 VERTICAL LOUVER SYSTEM, SEE SHEET A562
809 CURTAIN WALL SYSTEM
810 STOREFRONT SYSTEM
812 SEMI-OPAQUE ETCHED GLAZING
817 WHITE SPANDREL GLAZING
905 5/8" TYPE 'X' GYP. BD. PAINTED WHERE EXPOSED
906 5/8" GYP. SHEATHING
908 WOOD LOUVER SUSPENDED CEILING SYSTEM
909 SUSPENDED ACOUSTICAL TILE CEILING
923 45 DEGREE ANGLED METAL STUD BRACING @ 32" OC, MIN
928 2" SPRAYED ACOUSTICAL INSULATION
1200 ROLLER WINDOW SHADES WITH POCKET
1202 WINDOW TREATMENT OPERATING HARDWARE
2300 MECHANICAL DUCT PAINTED WHERE EXPOSED
2600 LIGHT FIXTURE
3100 ENGINEERED FILL
3101 FREE DRAINING GRAVEL BASE
3103 SEPERATION FABRIC
3104 GRAVEL CHIMNEY DRAIN, MIN WIDTH 18"
3107 BACKFILL/ FILL SOIL
3203 4" THICK CONCRETE SIDEWALK U.N.O. W/ SAWCUT CONTROL JOINTS SEE DETAIL
3303 4" DIA PERFORATED DRAIN PIPE WITH MIN 2% SLOPE

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WALL SECTIONS

A313

Sheet Number

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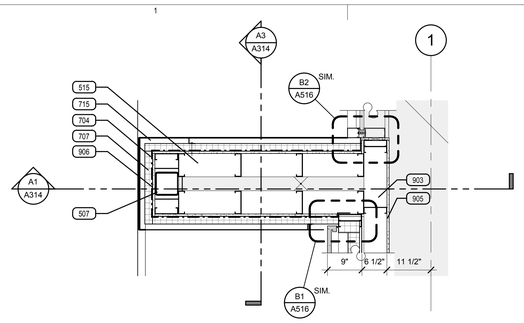
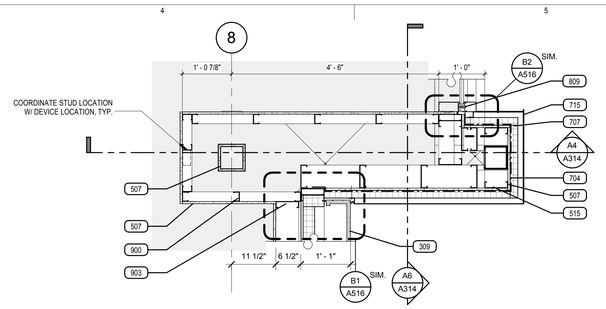


E1 BROW VERTICAL_WEST

SCALE: 3/4" = 1'-0"

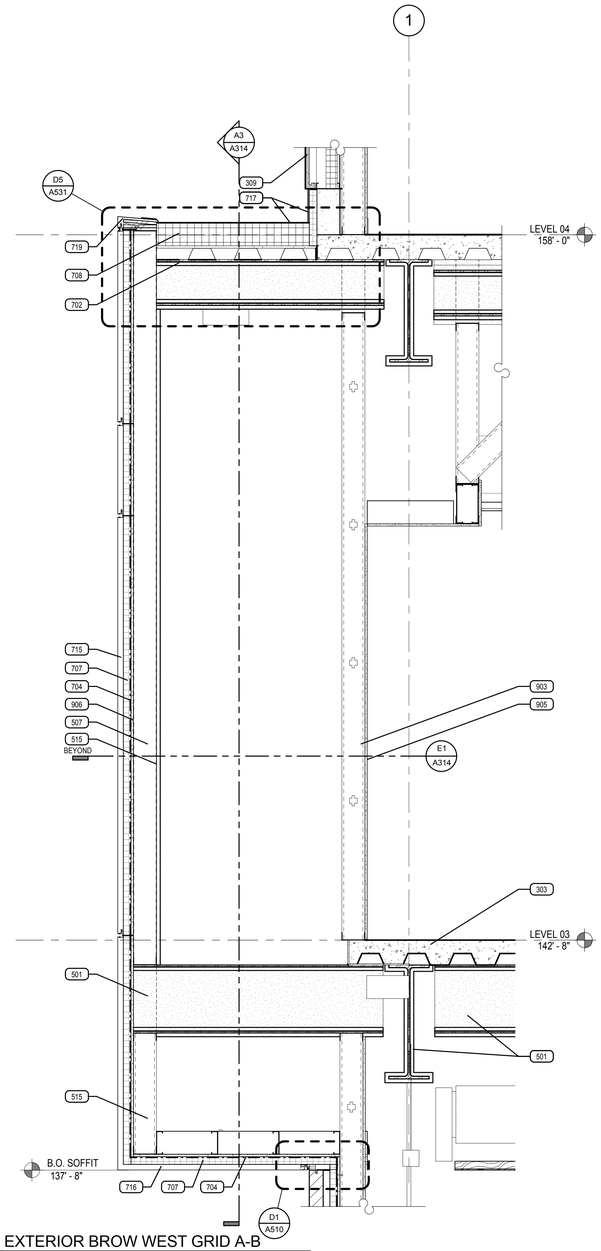


E4 BROW VERTICAL_EAST

SCALE: 3/4" = 1'-0"

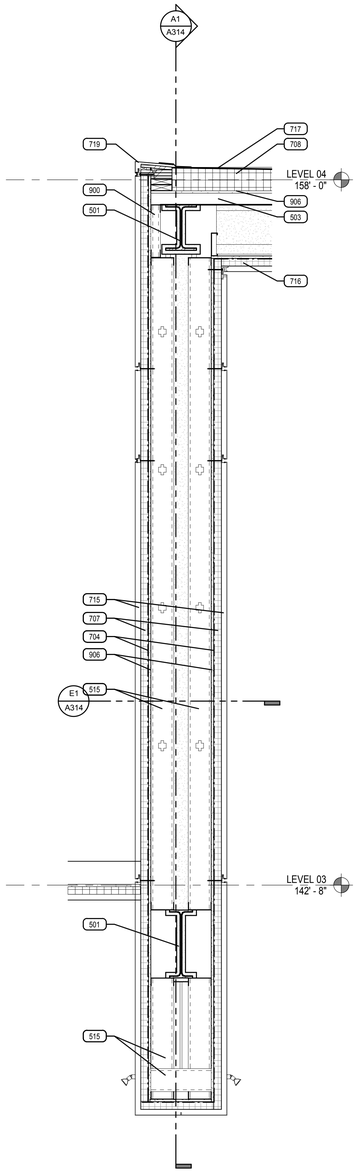
KEYED NOTES

303 REINFORCED CONCRETE SLAB ON METAL DECK
309 GFRC CLADDING SYSTEM
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
503 STEEL DECK PAINTED WHERE EXPOSED
507 TUBE STEEL COLUMN, PAINTED
514 STEEL COLUMN WITH 2 HOUR FIREPROOFING
515 6" COLD ROLLED METAL STUDS
702 1 HOUR SPRAYED FIRE RESISTIVE AT ROOF PER UL P701
704 FLUID APPLIED AIR AND MOISTURE BARRIER
707 R-12 EXTERIOR WALL INSULATION BOARD SYSTEM
708 R-30 ROOF RIGID INSULATION BOARD SYSTEM
715 PRE-FINISHED EXTERIOR COMPOSITE METAL PANEL
716 PRE-FINISHED EXTERIOR COMPOSITE METAL SOFFIT
717 WHITE SINGLE PLY MEMBRANE ROOFING SYSTEM.
719 CONT. COMPOSITE METAL COPING SYSTEM
809 CURTAIN WALL SYSTEM
900 2-1/2" METAL STUD FRAMING
903 6" METAL STUD FRAMING
905 5/8" TYPE 'X' GYP. BD. PAINTED WHERE EXPOSED
906 5/8" GYP. SHEATHING



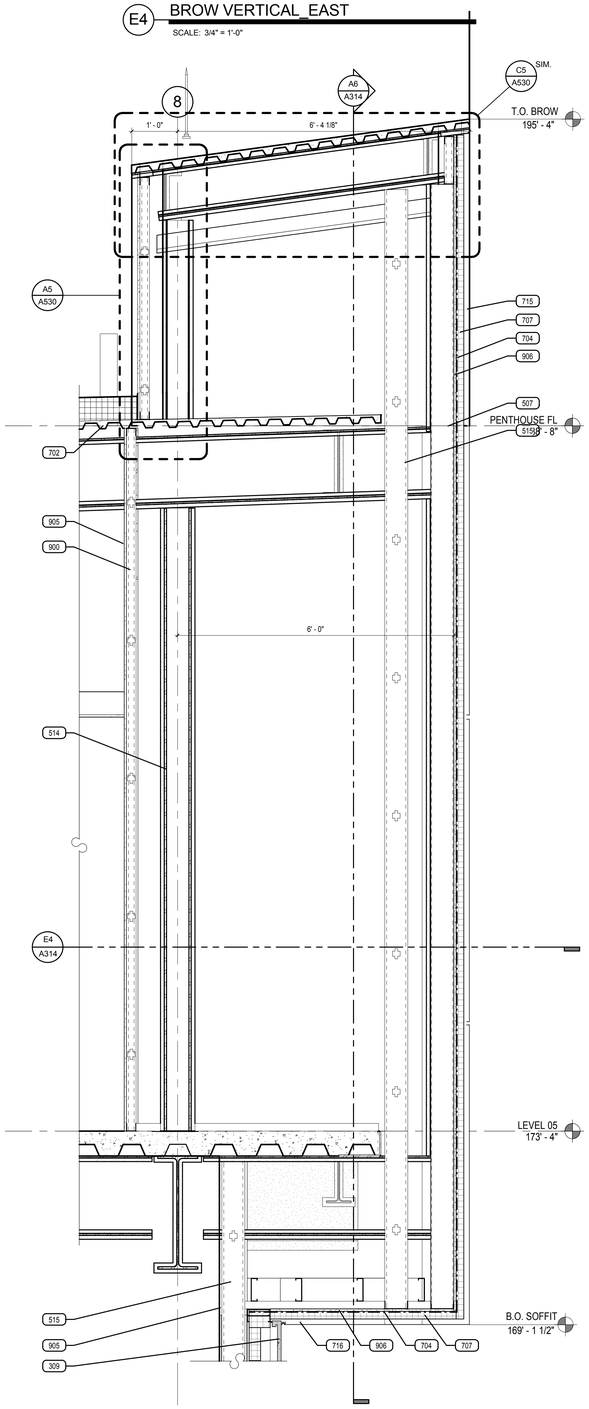
A1 EXTERIOR BROW WEST GRID A-B

SCALE: 3/4" = 1'-0"



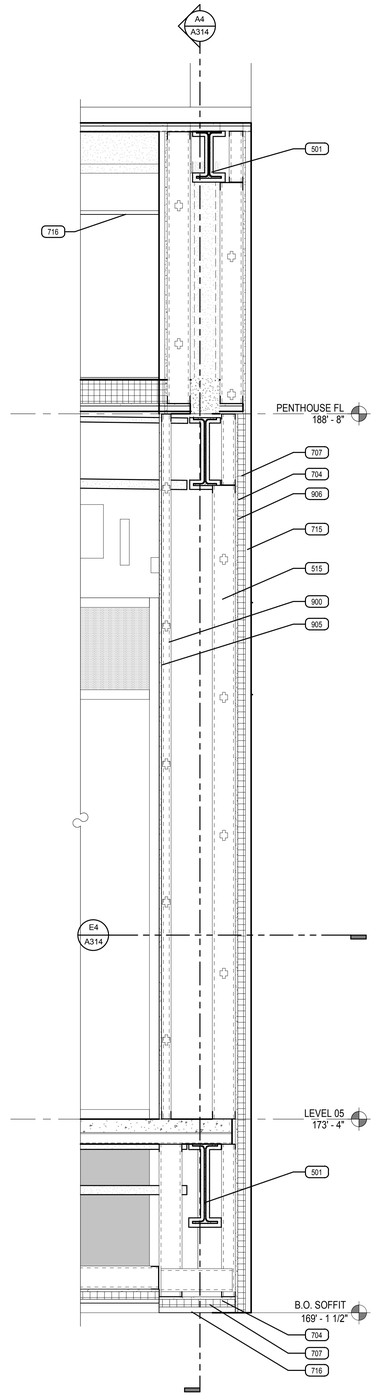
A3 EXTERIOR BROW WEST GRID 1

SCALE: 3/4" = 1'-0"



A4 EXTERIOR BROW EAST GRID B-C

SCALE: 3/4" = 1'-0"



A6 EXTERIOR BROW EAST GRID 8

SCALE: 3/4" = 1'-0"

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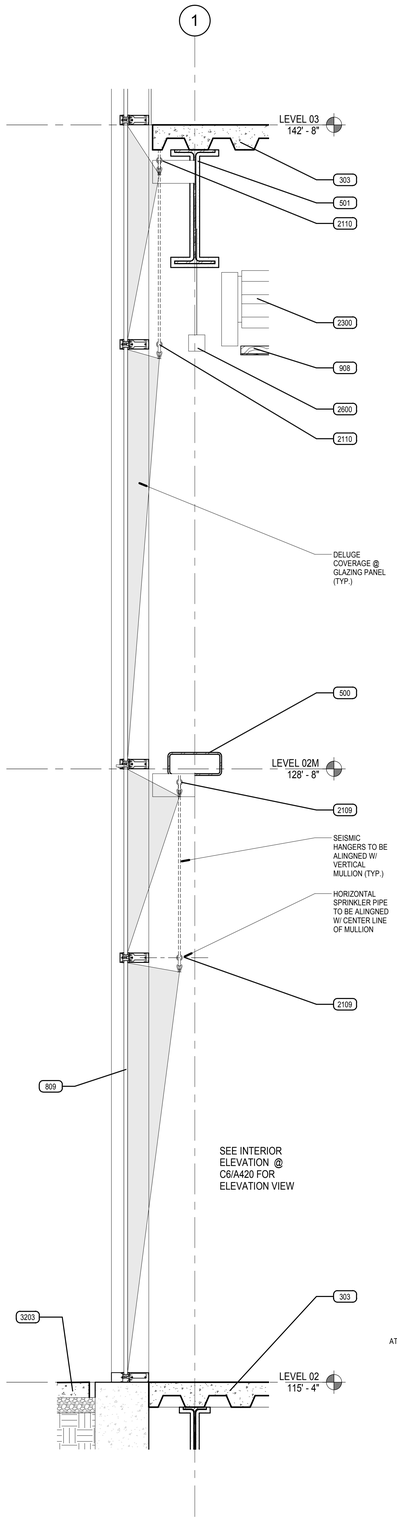
WALL SECTIONS

A314

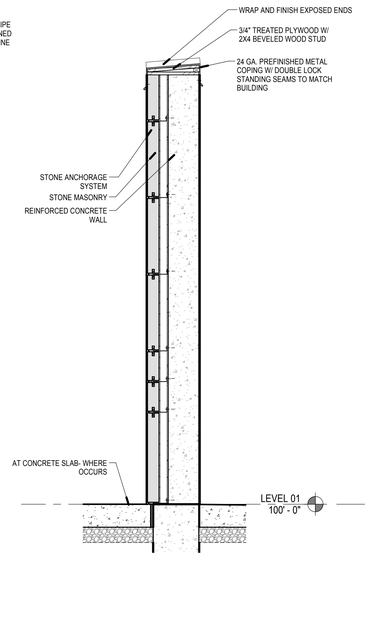
Sheet Number

KEYED NOTES

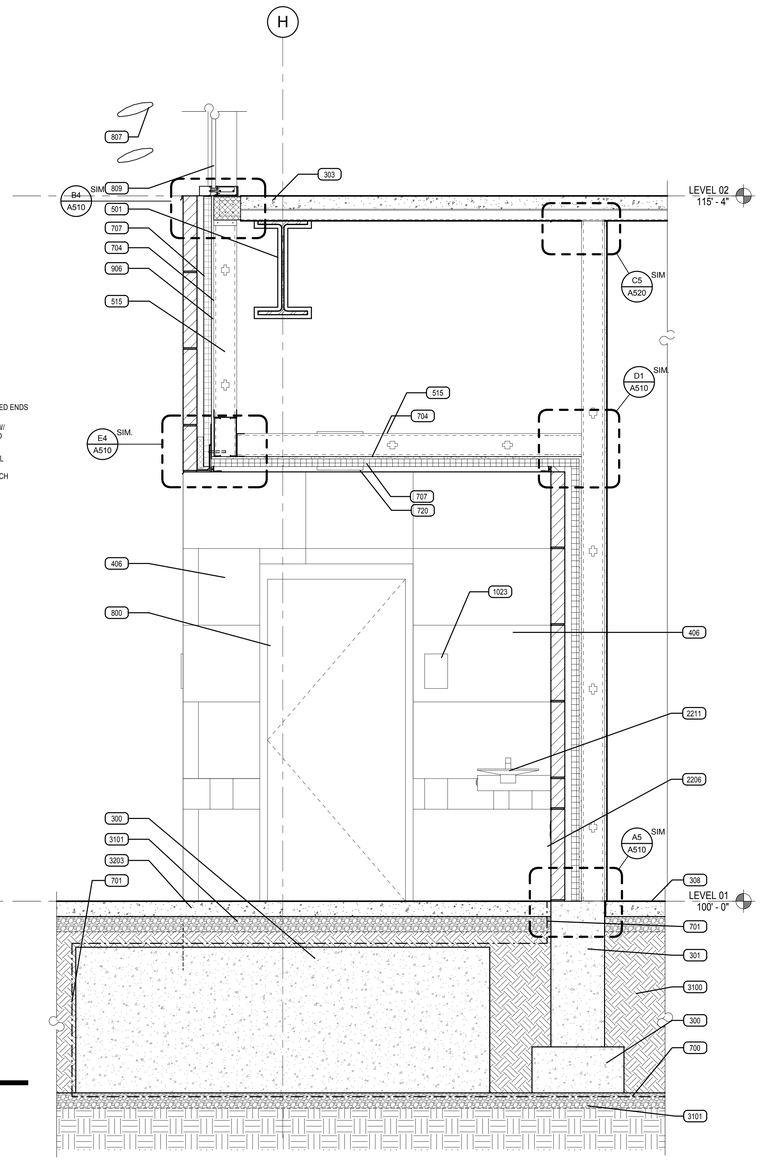
300 REINFORCED CONCRETE FOOTING
301 REINFORCED CONCRETE FOUNDATION WALL
303 REINFORCED CONCRETE SLAB ON METAL DECK
308 REINFORCED CONCRETE SLAB
406 STONE MASONRY
500 STEEL TUBE PAINTED WHERE EXPOSED
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
515 6" COLD ROLLED METAL STUDS
517 STEEL LEDGER ANGLE
527 COLD ROLLED 45 DEGREE ANGLED METAL STUD BRACING
700 BELOW-GRADE WATERPROOFING SYSTEM
701 WATERPROOFING SYSTEM W/ DRAINAGE PANEL SYSTEM TYP.
704 FLUID APPLIED AIR AND MOISTURE BARRIER
707 R-12 EXTERIOR WALL INSULATION BOARD SYSTEM
720 PRE-FINISHED EXTERIOR METAL SOFFIT PANELS
800 DOOR & FRAME
807 HORIZONTAL LOUVER SYSTEM, SEE SHEET A562
809 CURTAIN WALL SYSTEM
810 STOREFRONT SYSTEM
901 3-5/8" METAL STUD FRAMING
905 5/8" TYPE 'X' GYP. BD. PAINTED WHERE EXPOSED
906 5/8" GYP. SHEATHING
908 WOOD LOUVER SUSPENDED CEILING SYSTEM
909 SUSPENDED ACOUSTICAL TILE CEILING
1023 SIGNAGE, SEE SCHEDULE
2109 STAINLESS STEEL WELDED FIRE SPRINKLER PIPING W/ STAINLESS STEEL SEISMIC HANGERS & HARDWARE FOR DELUGE SYSTEM
2110 DELUGE FIRE SPRINKLER SYSTEM
2206 HOSE BIB/ WALL HYDRANT
2211 EXTERIOR DUAL DRINKING FOUNTAIN
2300 MECHANICAL DUCT PAINTED WHERE EXPOSED
2600 LIGHT FIXTURE
3100 ENGINEERED FILL
3101 FREE DRAINING GRAVEL BASE
3203 4" THICK CONCRETE SIDEWALK U.N.O. W/ SAWCUT CONTROL JOINTS SEE DETAIL



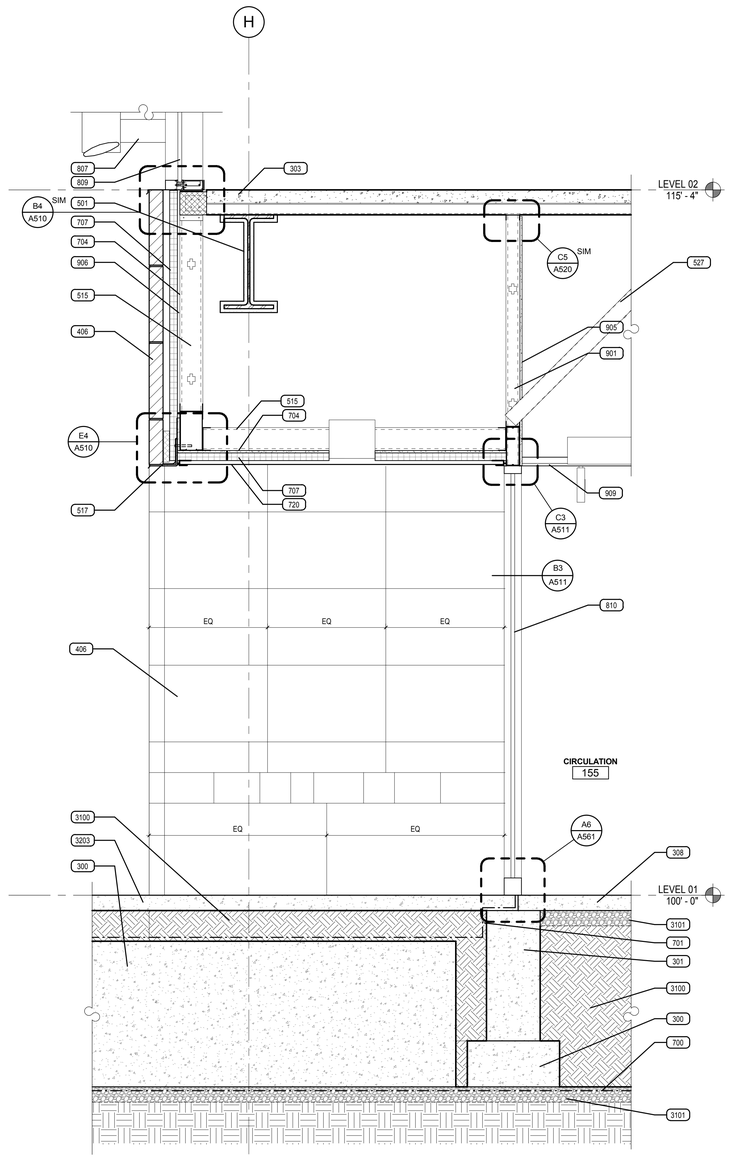
A1 WS_LEVEL 2 DELUGE SYSTEM
SCALE: 3/4" = 1'-0"



A2 SOUTH SCREEN WALL GRID 1
SCALE: 3/4" = 1'-0"



A3 EXTERIOR SOUTH GRID 1-2
SCALE: 3/4" = 1'-0"



A5 EXTERIOR SOUTH GRID 2-3
SCALE: 3/4" = 1'-0"

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WALL SECTIONS

A315
Sheet Number

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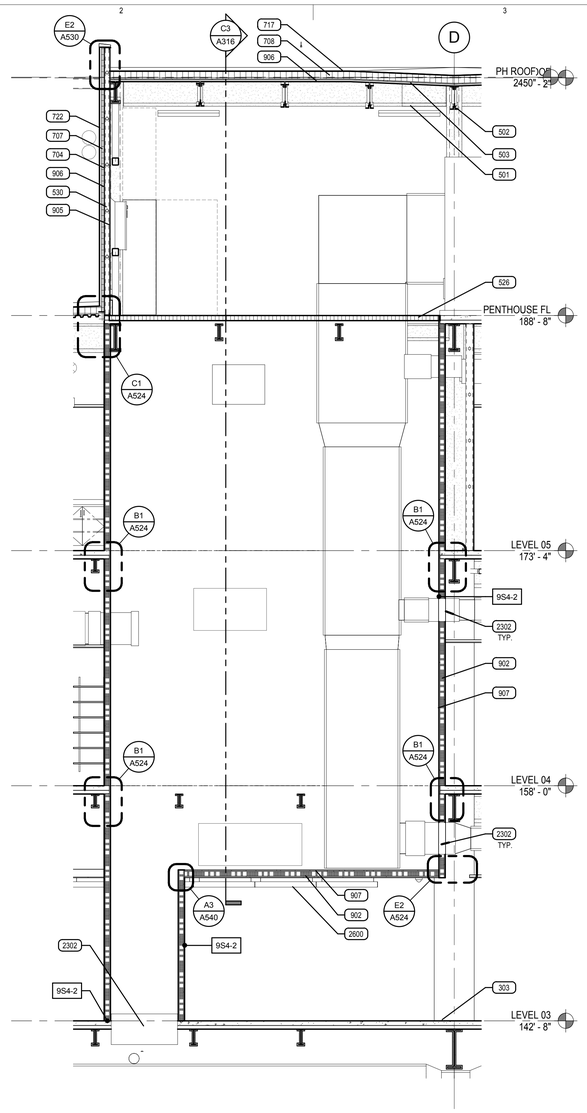
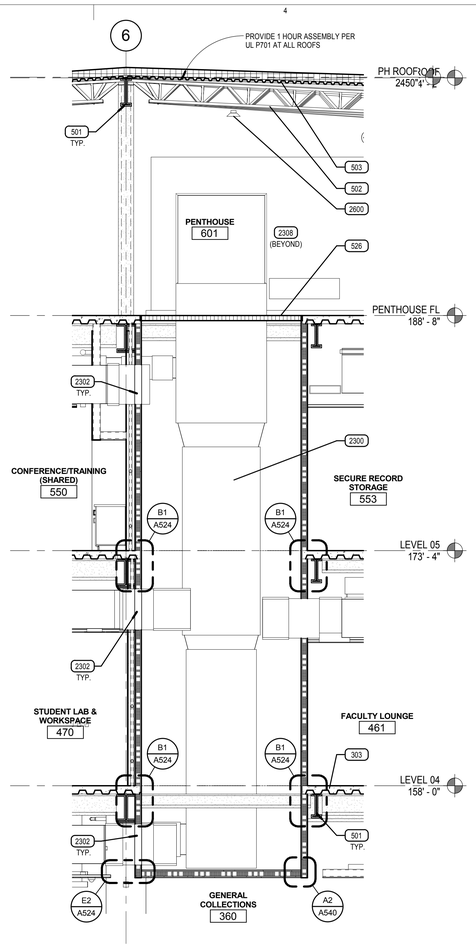


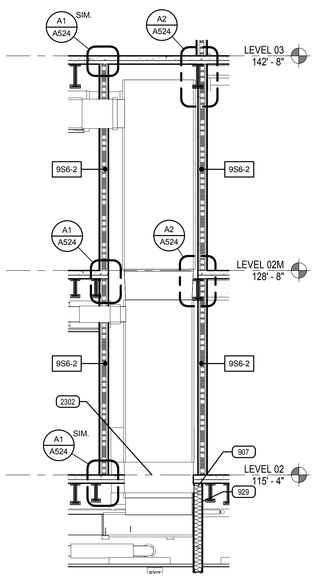
B2 WS_ MECHANICAL SHAFT @ GRAND STAIR NS

SCALE: 1/4" = 1'-0"



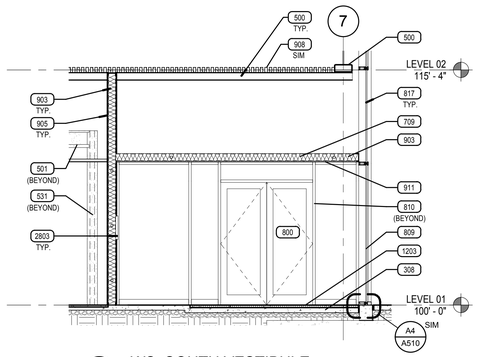
C3 WS_MECHANICAL SHAFT @ GRAND STAIR EW

SCALE: 1/4" = 1'-0"



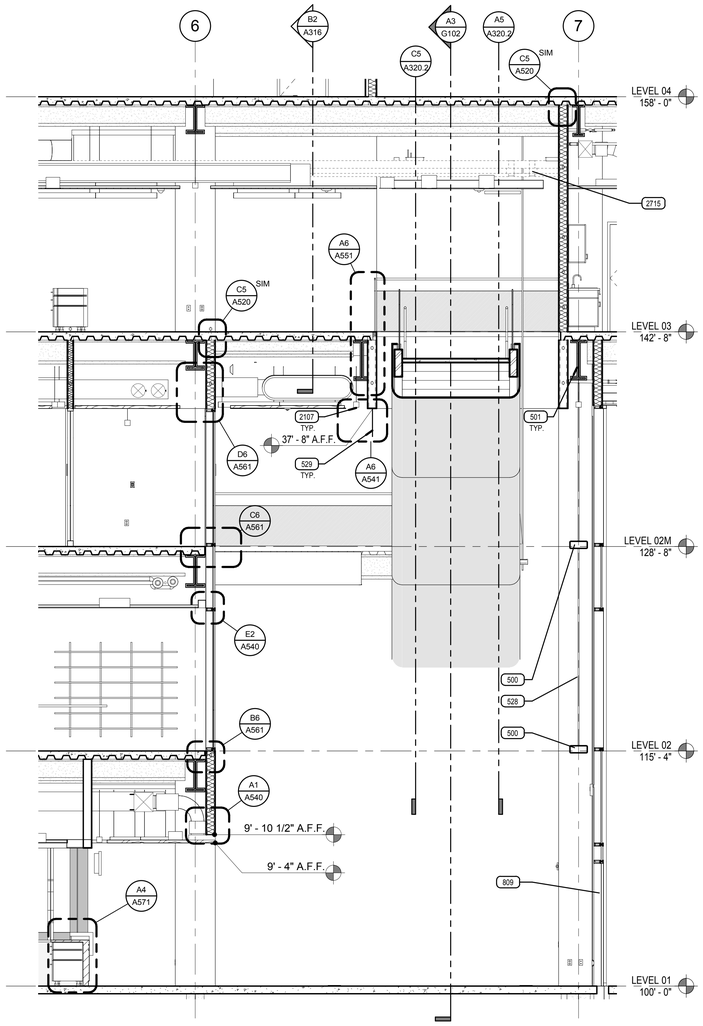
A1 WS_MECHANICAL SHAFT NS

SCALE: 1/4" = 1'-0"



A4 WS_SOUTH VESTIBULE

SCALE: 1/4" = 1'-0"



A5 GRAND STAIR GRID F-H

SCALE: 1/4" = 1'-0"

KEYED NOTES

303 REINFORCED CONCRETE SLAB ON METAL DECK
308 REINFORCED CONCRETE SLAB
500 STEEL TUBE PAINTED WHERE EXPOSED
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
502 STEEL JOIST WITH 1 HOUR FIREPROOFING
503 STEEL DECK PAINTED WHERE EXPOSED
526 GALVANIZED STEEL GRATING
528 STEEL ROD PAINTED WHERE EXPOSED
529 SMOKE DRAFT CURTIAN SYSTEM WITH 3/8" TEMPERED GLASS, SEE DETAIL A6/A541
530 3 5/8" COLD ROLLED METAL STUDS (These are 16 ga and lower)
531 STEEL TUBE COLUMN 2 HOUR FIREPROOFING
704 FLUID APPLIED AIR AND MOISTURE BARRIER
707 R-12 EXTERIOR WALL INSULATION BOARD SYSTEM
708 R-30 ROOF RIGID INSULATION BOARD SYSTEM
709 BATT INSULATION FULL THICKNESS
717 WHITE SINGLE PLY MEMBRANE ROOFING SYSTEM.
722 PRE-FINISHED EXTERIOR METAL WALL PANELS
800 DOOR & FRAME
809 CURTAIN WALL SYSTEM
810 STOREFRONT SYSTEM
817 WHITE SPANDREL GLAZING
902 4" METAL CH STUD FRAMING
903 6" METAL STUD FRAMING
905 5/8" TYPE 'X' GYP. BD. PAINTED WHIERE EXPOSED
906 5/8" GYP. SHEATHING
907 1" RATED SHAFT WALL LINER
908 WOOD LOUVER SUSPENDED CEILING SYSTEM
911 PAINTED GYPSUM BOARD
929 6" METAL CH STUD FRAMING
1203 RECESSED METAL AND CARPET ENTRY MAT
2107 SPRINKLER HEAD 6" FROM SMOKE DRAFT CURTIAN SYSTEM, 6'-0" OC MAX
2300 MECHANICAL DUCT PAINTED WHERE EXPOSED
2302 FIRE/SMOKE DAMPER
2308 MECHANICAL AIR HANDLER
2600 LIGHT FIXTURE
2715 CABLE TRAY
2803 FIRE DETECTION AND ALARM

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WALL SECTIONS

A316
Sheet Number

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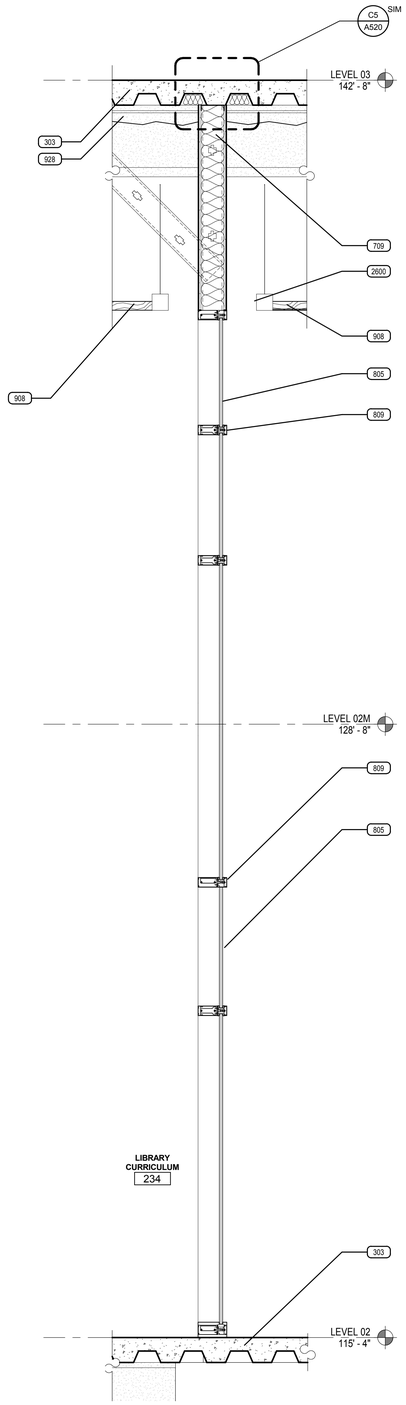
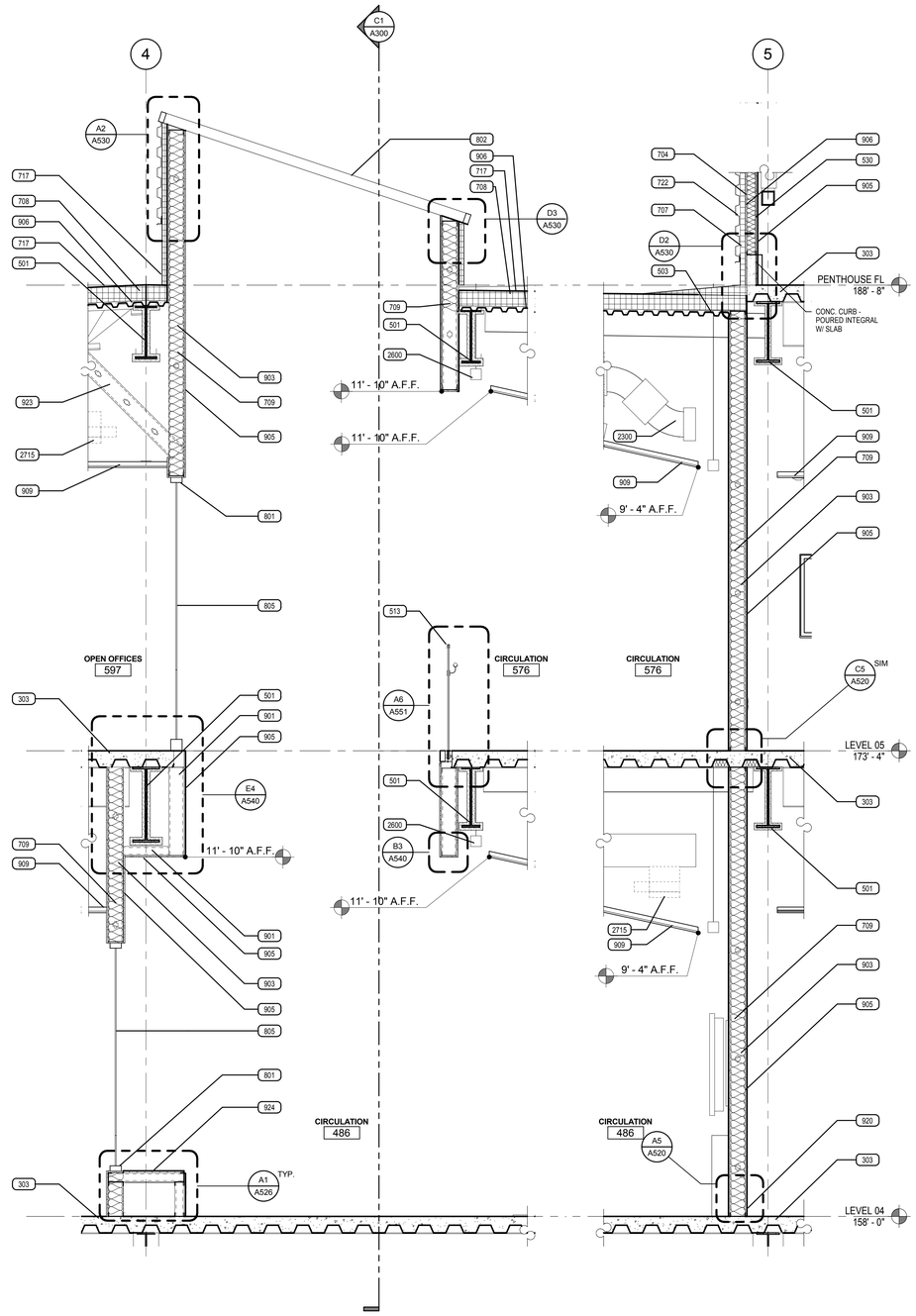
KEYED NOTES

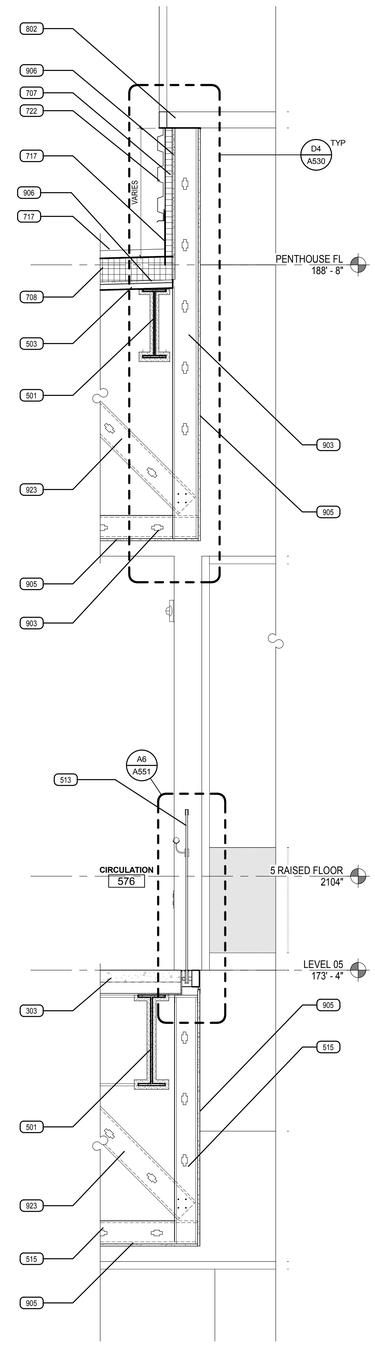
303 REINFORCED CONCRETE SLAB ON METAL DECK
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
503 STEEL DECK PAINTED WHERE EXPOSED
513 DECORATIVE RAILING WITH 1/2" GLAZING, SEE DETAIL A6/A551
515 6" COLD ROLLED METAL STUDS
530 3 5/8" COLD ROLLED METAL STUDS (These are 16 ga and lower)
600 WOOD BLOCKING, TREATED
704 FLUID APPLIED AIR AND MOISTURE BARRIER
707 R-12 EXTERIOR WALL INSULATION BOARD SYSTEM
708 R-30 ROOF RIGID INSULATION BOARD SYSTEM
709 BATT INSULATION FULL THICKNESS
717 WHITE SINGLE PLY MEMBRANE ROOFING SYSTEM.
722 PRE-FINISHED EXTERIOR METAL WALL PANELS
801 ALUMINUM STOREFRONT WINDOW SYSTEM
802 SKYLIGHT
805 GLAZING
809 CURTAIN WALL SYSTEM
901 3-5/8" METAL STUD FRAMING
903 6" METAL STUD FRAMING
905 5/8" TYPE 'X' GYP. BD. PAINTED WHERE EXPOSED
906 5/8" GYP. SHEATHING
908 WOOD LOUVER SUSPENDED CEILING SYSTEM
909 SUSPENDED ACOUSTICAL TILE CEILING
920 SCHEDULED BASE
923 45 DEGREE ANGLED METAL STUD BRACING @ 32" OC, MIN
924 HARDWOOD BENCH TOP
928 2" SPRAYED ACOUSTICAL INSULATION
2300 MECHANICAL DUCT PAINTED WHERE EXPOSED
2600 LIGHT FIXTURE
2715 CABLE TRAY



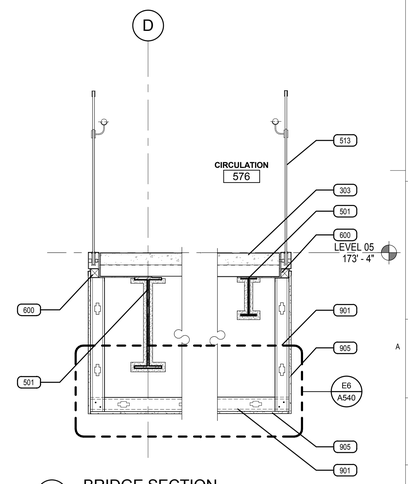
A1 WS_ LIBRARY CURRICULUM 234
SCALE: 3/4" = 1'-0"



A2 WS_SKYLIGHT NS
SCALE: 1/2" = 1'-0"



A5 WS_SKYLIGHT EW
SCALE: 3/4" = 1'-0"



A6 BRIDGE SECTION
SCALE: 3/4" = 1'-0"

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WALL SECTIONS

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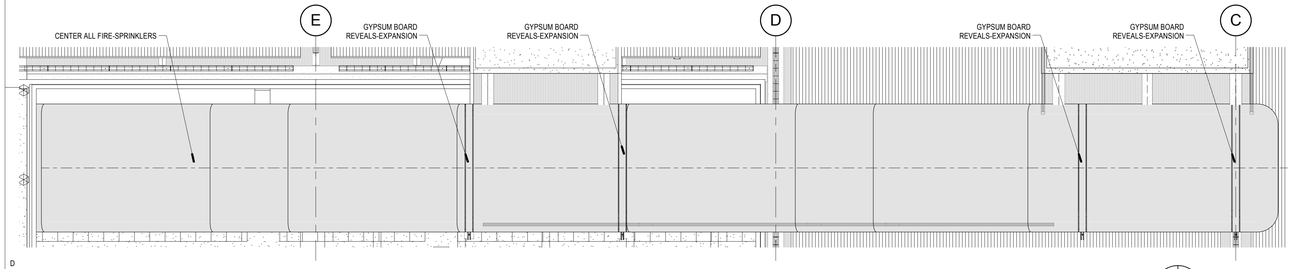
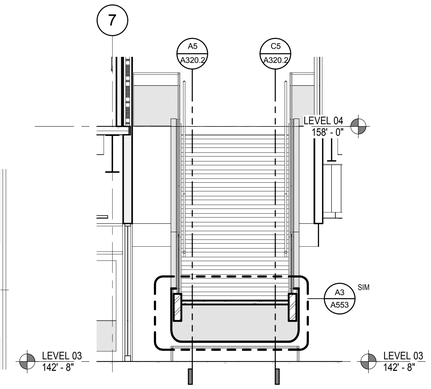
KEYED NOTES

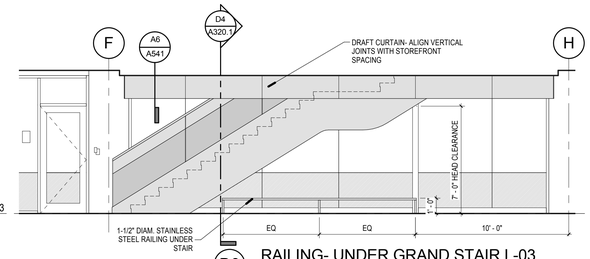
513 DECORATIVE RAILING WITH 1/2" GLAZING, SEE DETAIL A6/A551
523 1 1/2" DIA. STAINLESS STEEL PIPE HANDRAIL,TYP.
821 DIV 05 DECORATIVE GLASS GUARDRAIL, SEE DETAIL A6/A551



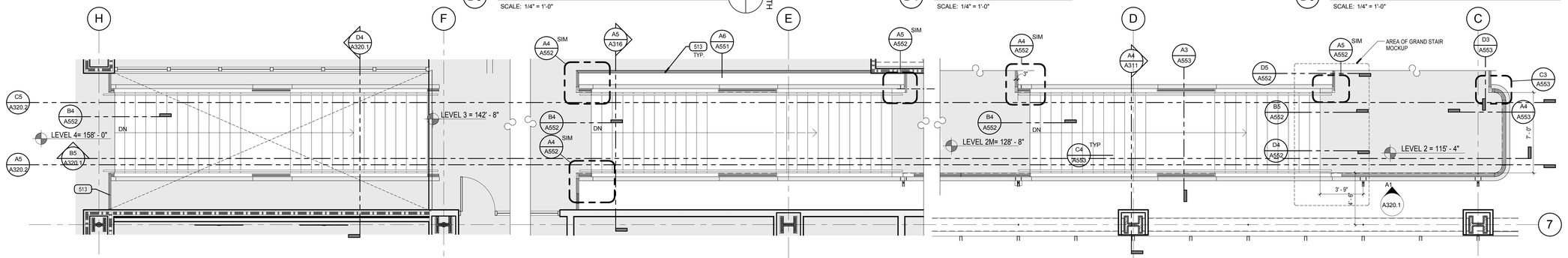
D3 UNDERSIDE OF GRAND STAIR
SCALE: 1/4" = 1'-0"



D4 GRAND STAIR SECTION
SCALE: 1/4" = 1'-0"



D6 RAILING- UNDER GRAND STAIR L-03
SCALE: 1/4" = 1'-0"

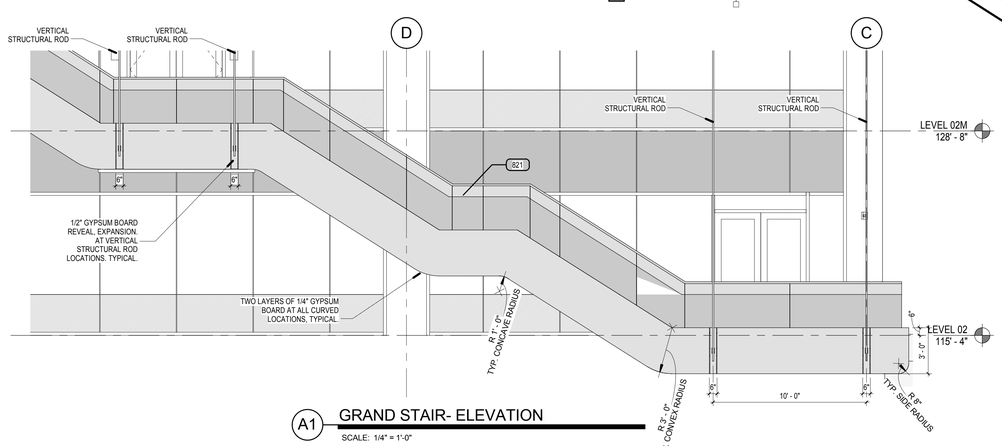


C2 GRAND STAIR PLAN @ LEVEL 4
SCALE: 1/4" = 1'-0"

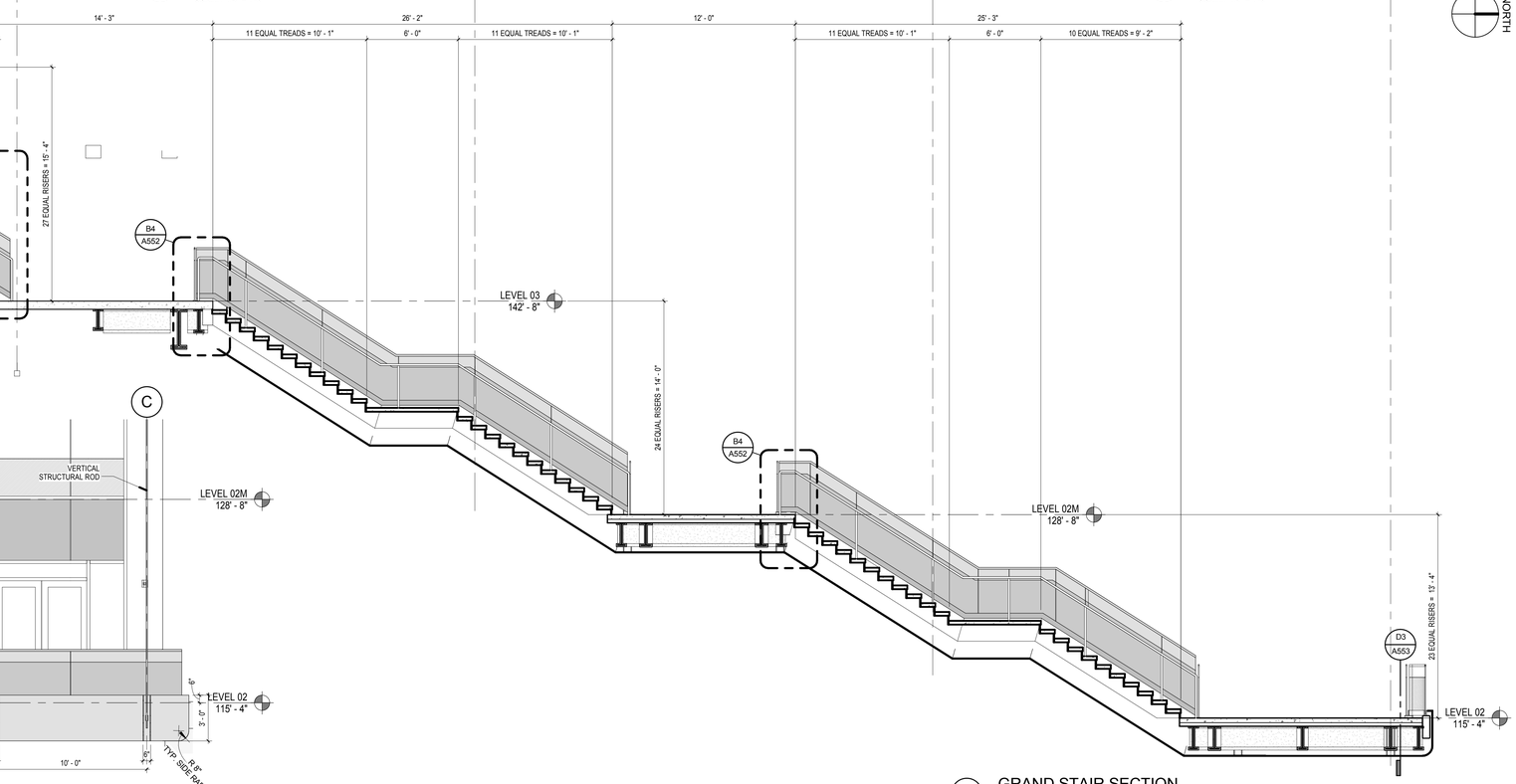
C3 GRAND STAIR PLAN, LEVEL 3
SCALE: 1/4" = 1'-0"

C4 GRAND STAIR PLAN, LEVEL 2 & 2M
SCALE: 1/4" = 1'-0"

NORTH



A1 GRAND STAIR- ELEVATION
SCALE: 1/4" = 1'-0"



B5 GRAND STAIR SECTION
SCALE: 1/4" = 1'-0"

DIMENSIONS SHOWN AT STUD WALLS ARE TO THE FINISH FACE OF WALLS AND ARE USED TO SHOW REQUIRED CLEARANCES

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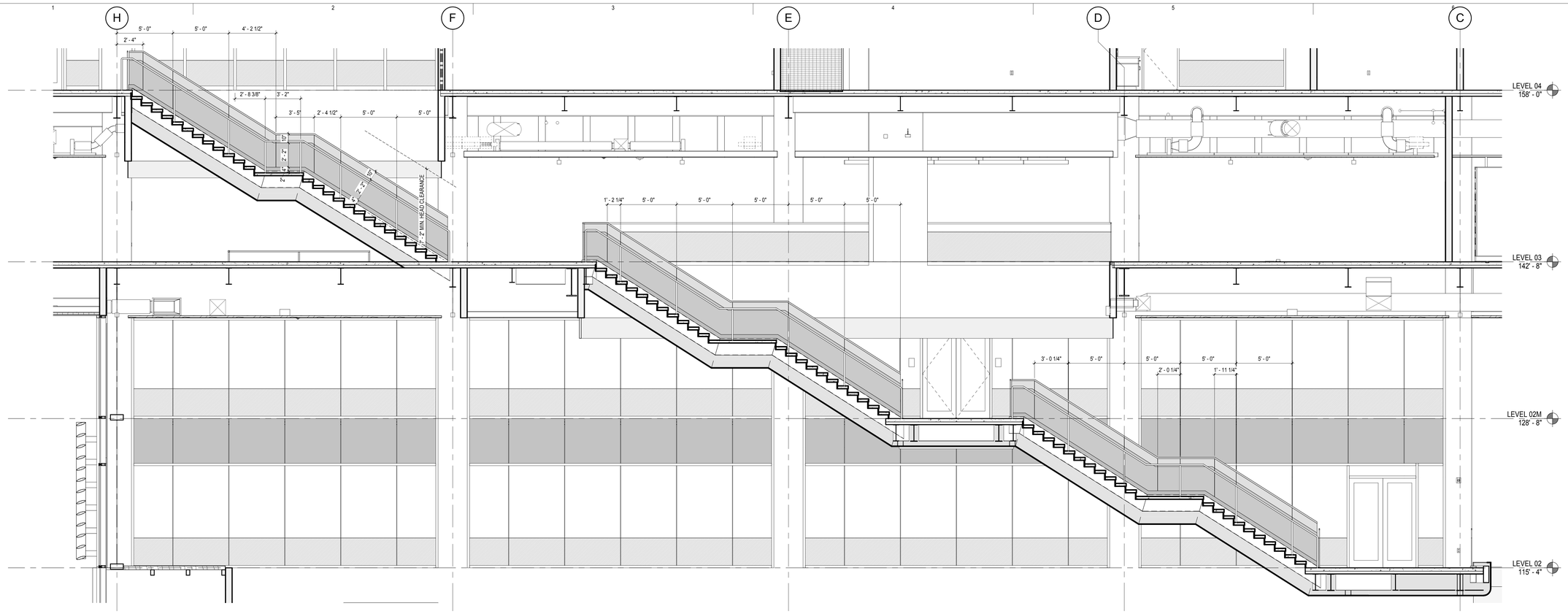
ENLARGED GRAND STAIR PLANS AND SECTIONS

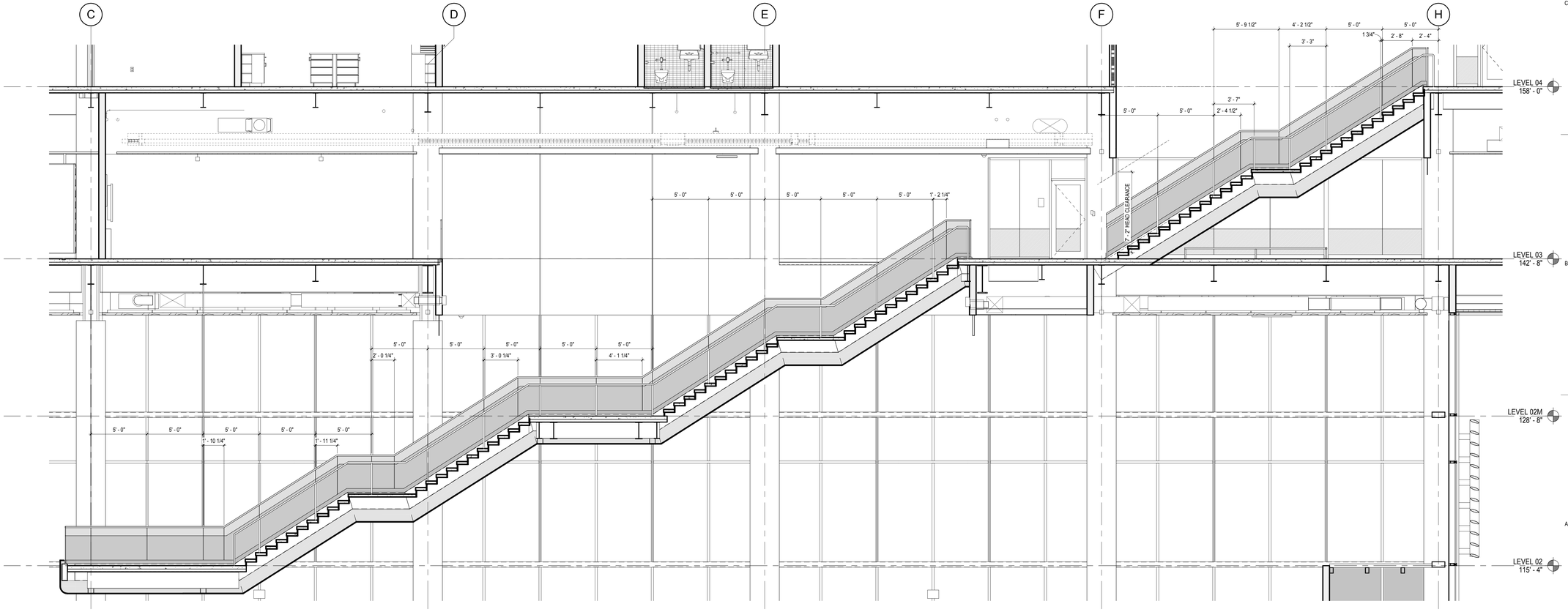
A320.1
Sheet Number



NOTE: TYPICAL GLASS GUARDRAIL JOINTS ALIGN WITH CURTAINWALL MULLION SPACING.

C5 GRAND STR. GLASS GUARDRAIL LAYOUT-WEST

SCALE: 1/4" = 1'-0"



NOTE: TYPICAL GLASS GUARDRAIL JOINTS ALIGN WITH CURTAINWALL MULLION SPACING.

A5 GRAND STR. GLASS GUARDRAIL LAYOUT-EAST

SCALE: 1/4" = 1'-0"

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ENLARGED GRAND STAIR PLANS AND SECTIONS

A320.2

Sheet Number

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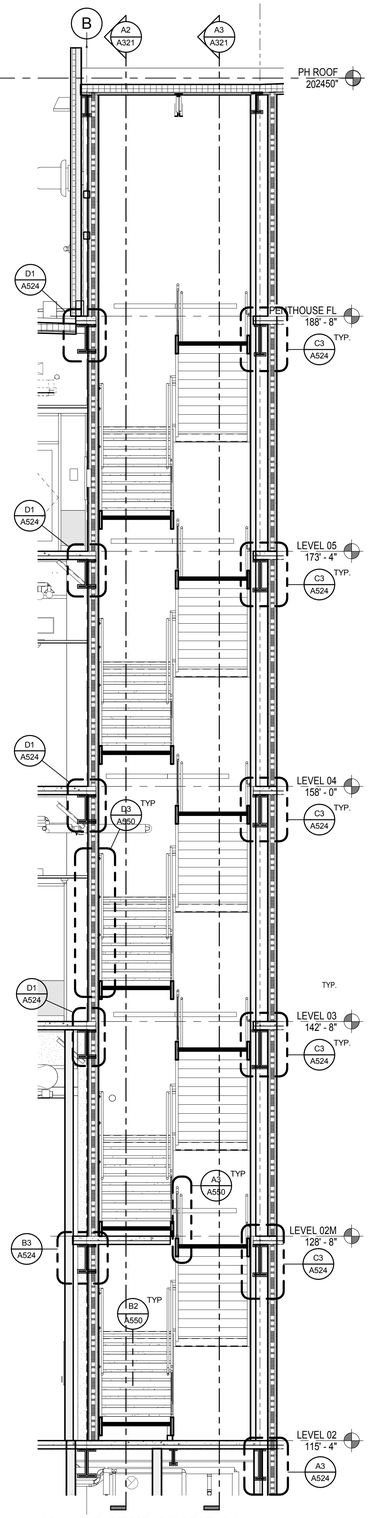
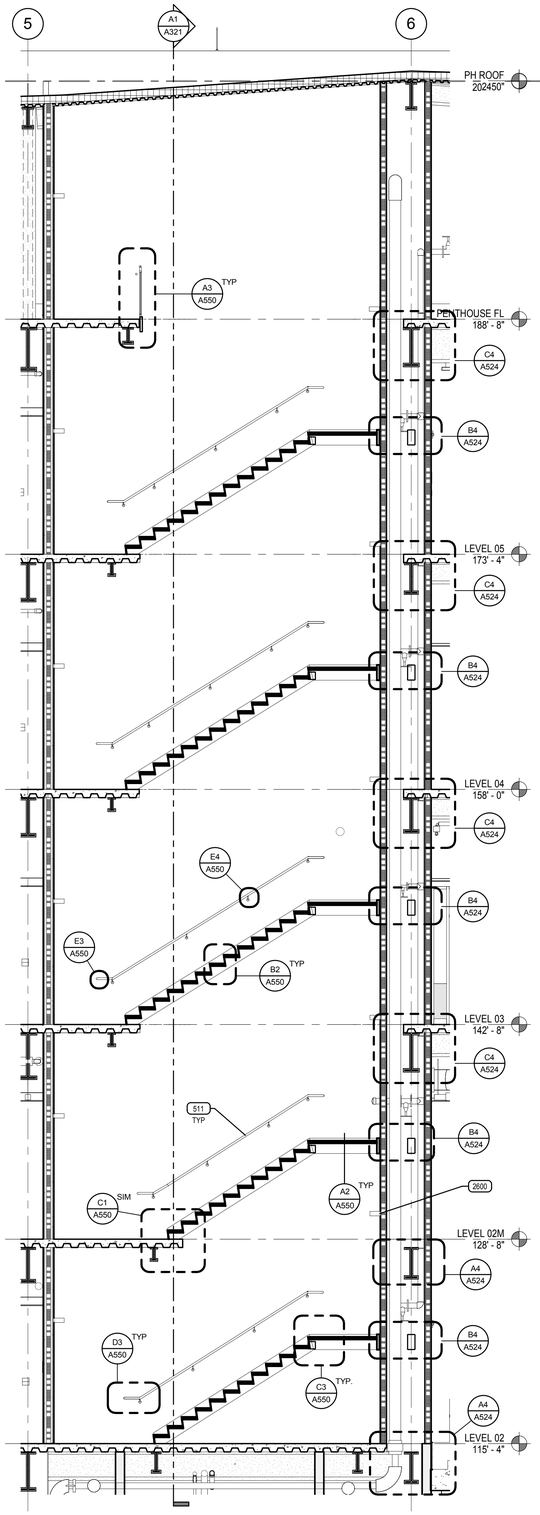
KEYED NOTES

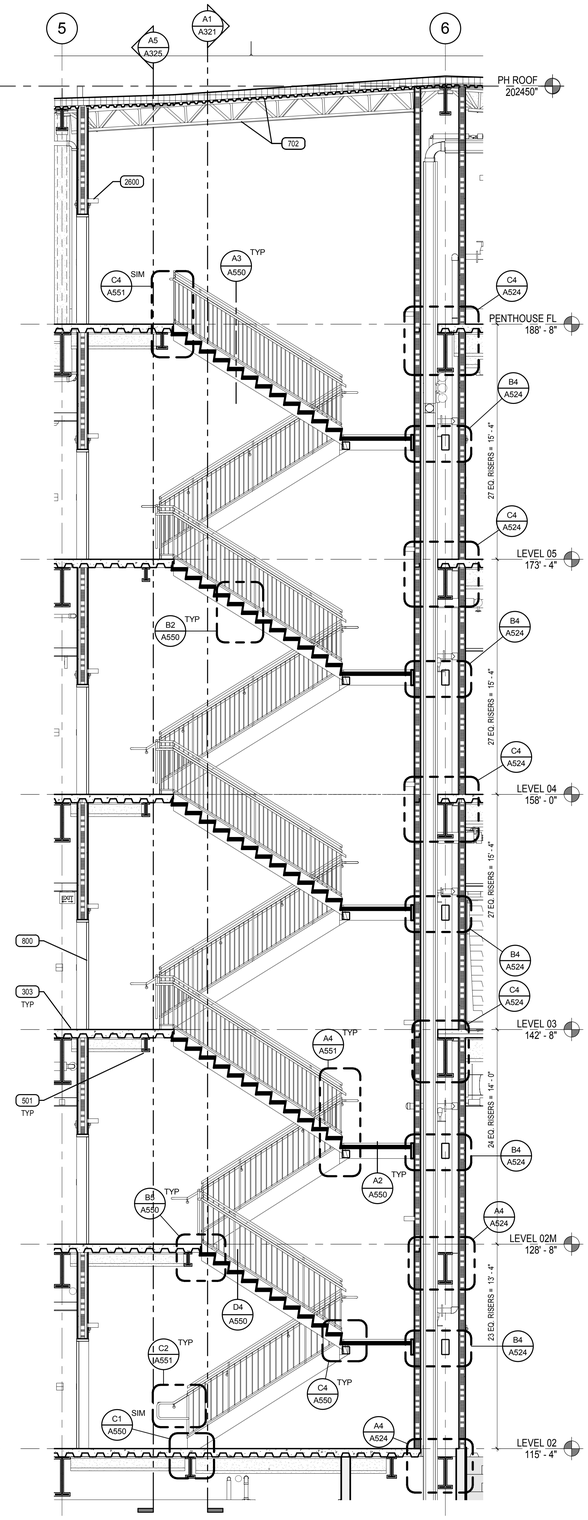
303 REINFORCED CONCRETE SLAB ON METAL DECK
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
507 TUBE STEEL COLUMN, PAINTED
511 1 1/2" DIA. STEEL PIPE HANDRAIL PAINTED U.N.O.
512 2" DIA. STEEL PIPE GUARDRAIL PAINTED U.N.O.
514 STEEL COLUMN WITH 2 HOUR FIREPROOFING
702 1 HOUR SPRAYED FIRE RESISTIVE AT ROOF PER UL P701
705 EXPOSED 2 HOUR SPRAYED FIREPROOFING
800 DOOR & FRAME
2101 FIRE-DEPARTMENT CONNECTIONS
2600 LIGHT FIXTURE



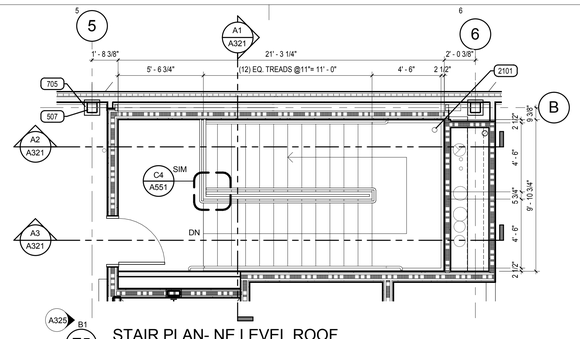
A1 NE STAIR SECTION 1
SCALE: 1/4" = 1'-0"



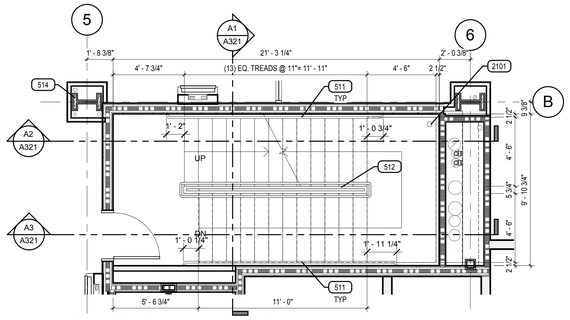
A2 NE STAIR SECTION 2
SCALE: 1/4" = 1'-0"



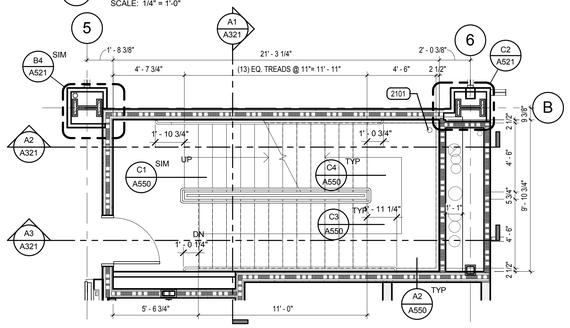
A3 NE STAIR SECTION 3
SCALE: 1/4" = 1'-0"



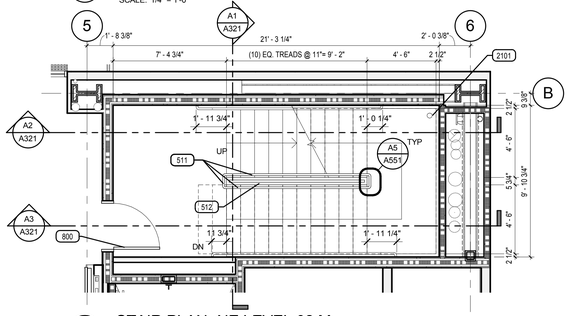
E5 STAIR PLAN- NE LEVEL ROOF
SCALE: 1/4" = 1'-0"



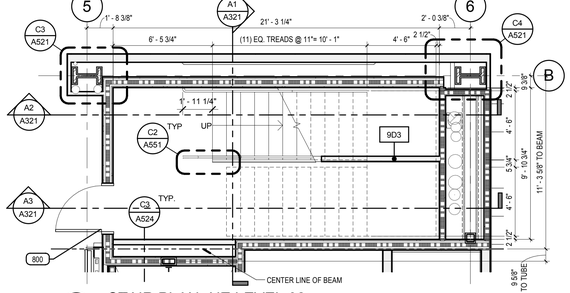
D5 STAIR PLAN- NE LEVEL 04, 05
SCALE: 1/4" = 1'-0"



C5 STAIR PLAN- NE LEVELS 03
SCALE: 1/4" = 1'-0"



B5 STAIR PLAN- NE LEVEL 02 M
SCALE: 1/4" = 1'-0"



A5 STAIR PLAN- NE LEVEL 02
SCALE: 1/4" = 1'-0"

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No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

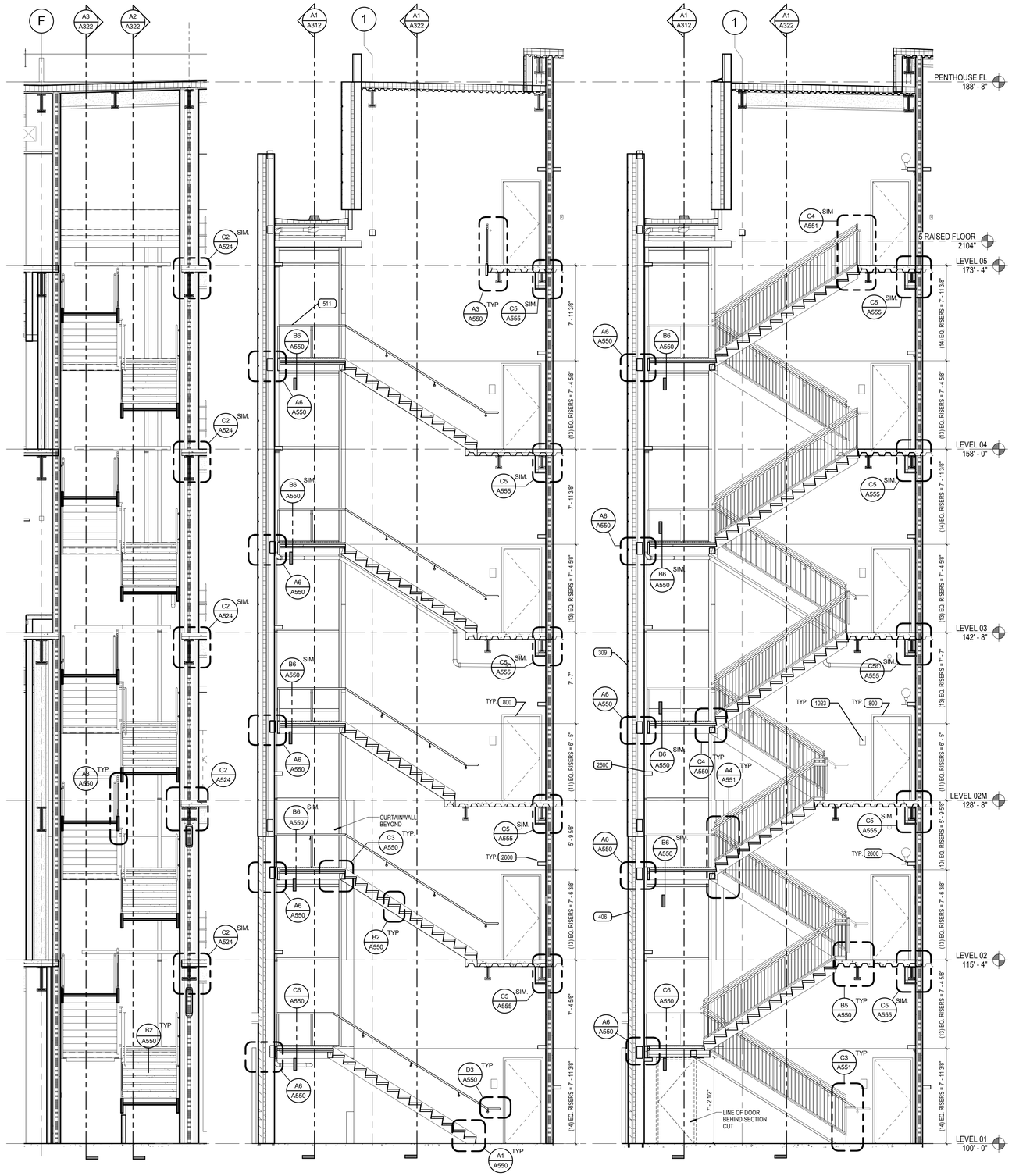
ENLARGED NE STAIR PLANS AND SECTIONS

A321
Sheet Number

12/6/2010 3:49:31 PM

KEYED NOTES

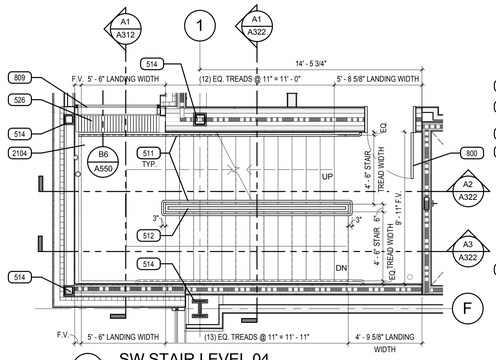
309 GFRC CLADDING SYSTEM
406 STONE MASONRY
500 STEEL TUBE PAINTED WHERE EXPOSED
511 1 1/2" DIA. STEEL PIPE HANDRAIL PAINTED U.N.O.
512 2" DIA. STEEL PIPE GUARDRAIL PAINTED U.N.O.
514 STEEL COLUMN WITH 2 HOUR FIREPROOFING
526 GALVANIZED STEEL GRATING
800 DOOR & FRAME
809 CURTAIN WALL SYSTEM
1023 SIGNAGE, SEE SCHEDULE
2104 FIRE-SUPPRESSION STANDPIPES
2600 LIGHT FIXTURE



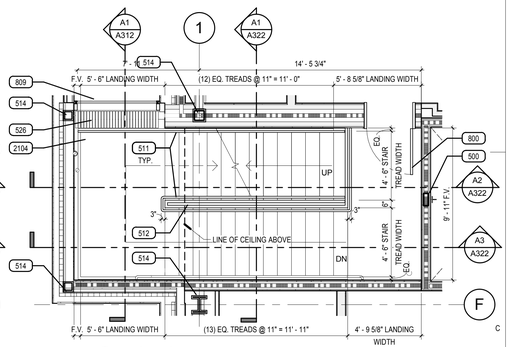
A1 SW STAIR SECTION 1
SCALE: 1/4" = 1'-0"

A2 SW STAIR SECTION 2
SCALE: 1/4" = 1'-0"

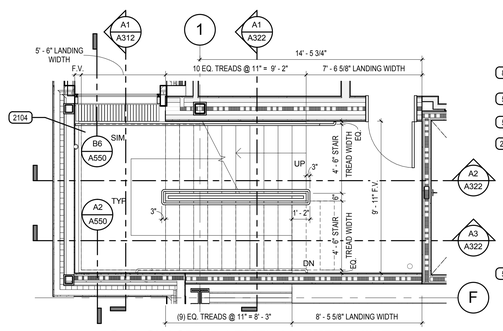
A3 SW STAIR SECTION 3
SCALE: 1/4" = 1'-0"



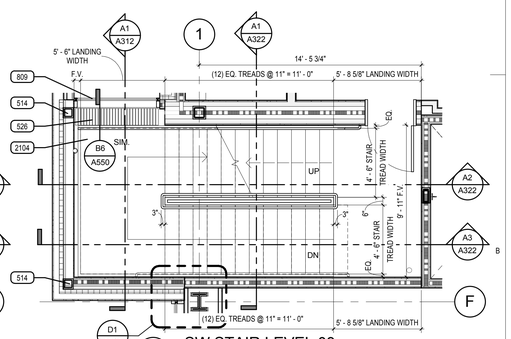
C4 SW STAIR LEVEL 04
SCALE: 1/4" = 1'-0"



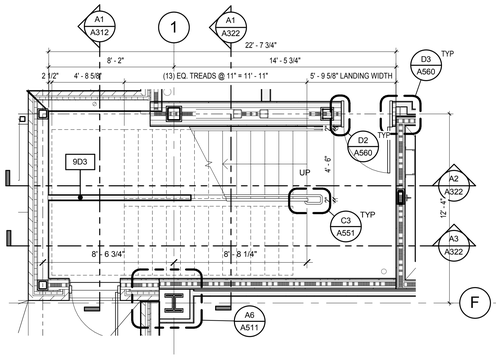
C6 SW STAIR LEVEL 05
SCALE: 1/4" = 1'-0"



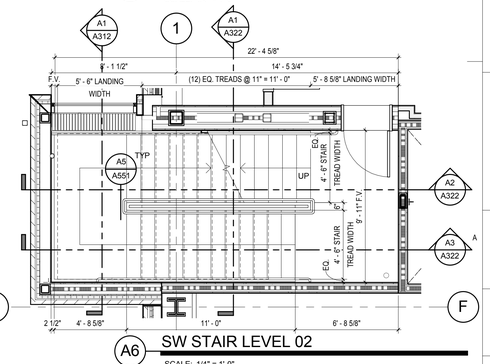
B4 SW STAIR LEVEL 02 MEZZANINE
SCALE: 1/4" = 1'-0"



B6 SW STAIR LEVEL 03
SCALE: 1/4" = 1'-0"



A4 SW STAIR LEVEL 01
SCALE: 1/4" = 1'-0"



A6 SW STAIR LEVEL 02
SCALE: 1/4" = 1'-0"

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Job # 09625
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Drawn Author Checked Checker
Date 12/03/2010
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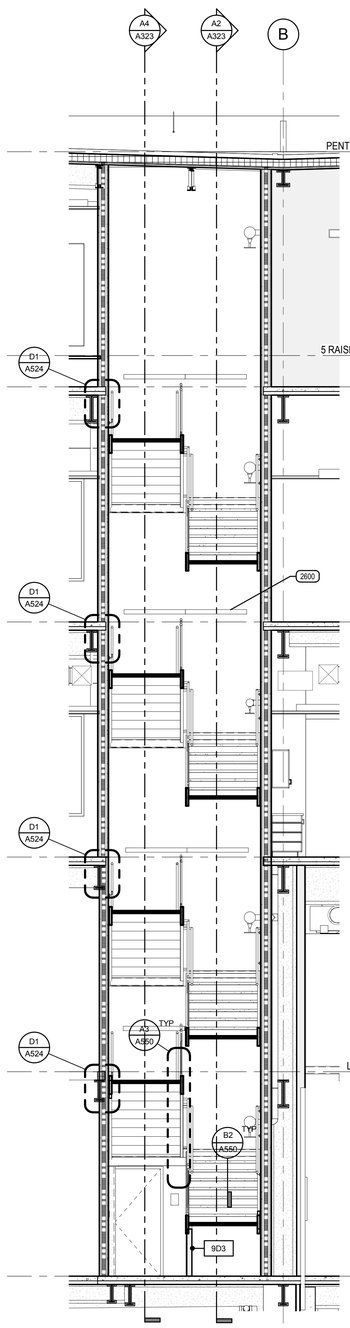
ENLARGED SW STAIR PLANS AND SECTIONS

A322
Sheet Number

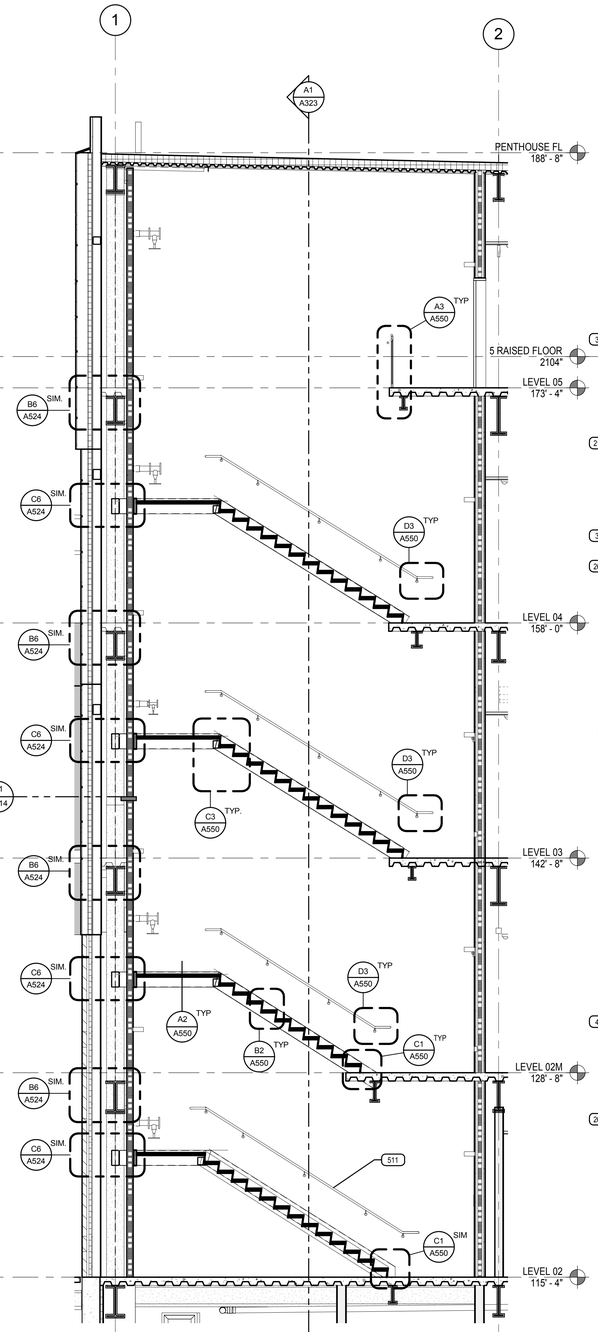
12/6/2010 3:49:55 PM

KEYED NOTES

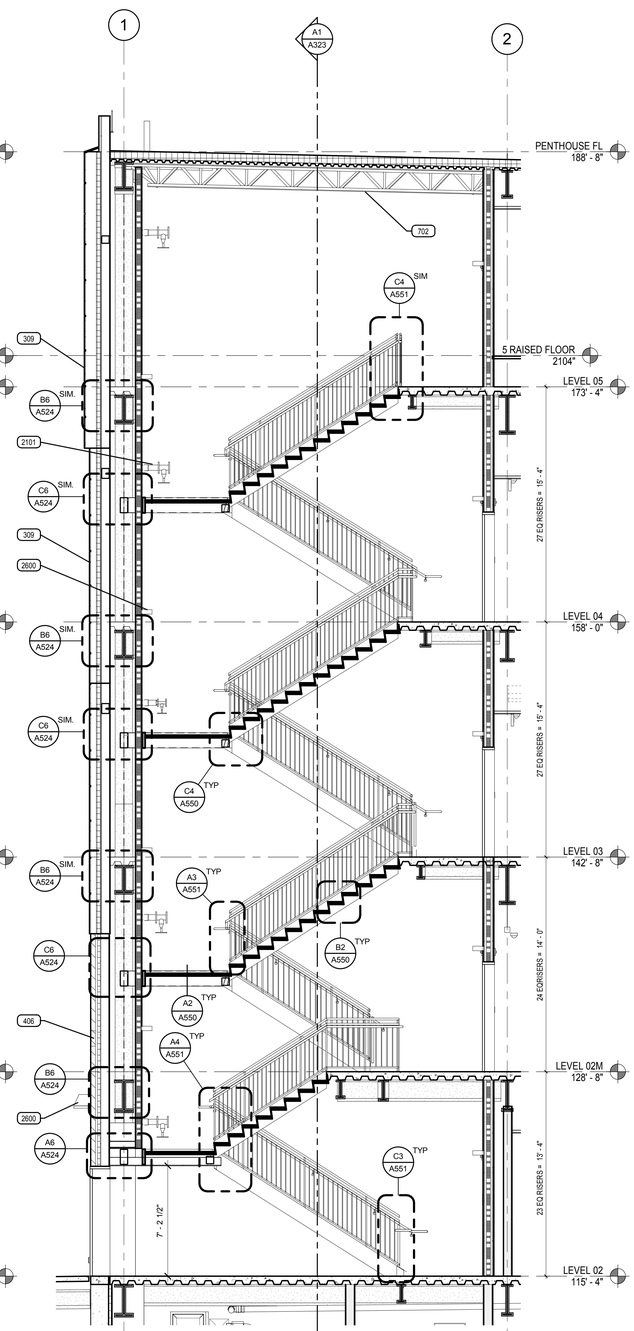
309 GFRC CLADDING SYSTEM
406 STONE MASONRY
511 1 1/2" DIA. STEEL PIPE HANDRAIL PAINTED U.N.O.
512 2" DIA. STEEL PIPE GUARDRAIL PAINTED U.N.O.
514 STEEL COLUMN WITH 2 HOUR FIREPROOFING
702 1 HOUR SPRAYED FIRE RESISTIVE AT ROOF PER UL P701
800 DOOR & FRAME
2101 FIRE-DEPARTMENT CONNECTIONS
2600 LIGHT FIXTURE



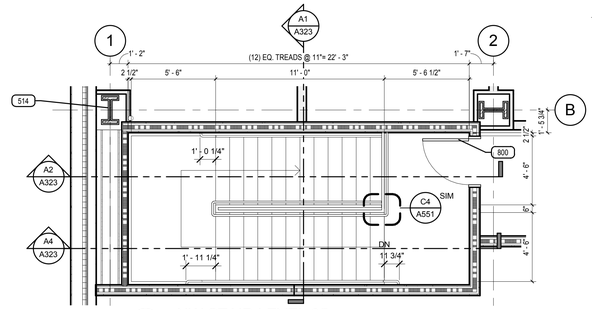
A1 NW STAIR SECTION 1
SCALE: 1/4" = 1'-0"



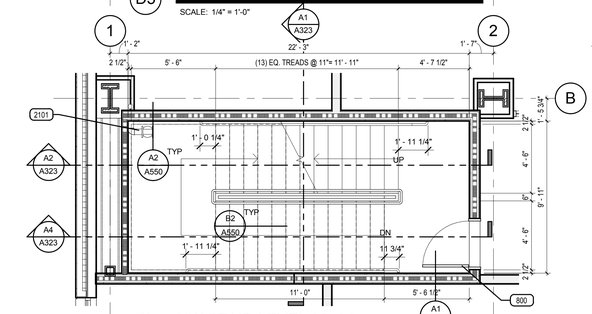
A2 NW STAIR SECTION 2
SCALE: 1/4" = 1'-0"



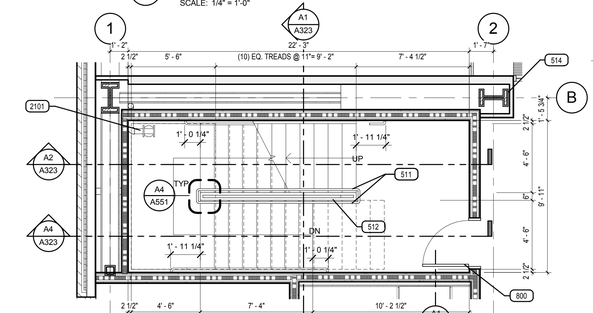
A4 NW STAIR SECTION 3
SCALE: 1/4" = 1'-0"



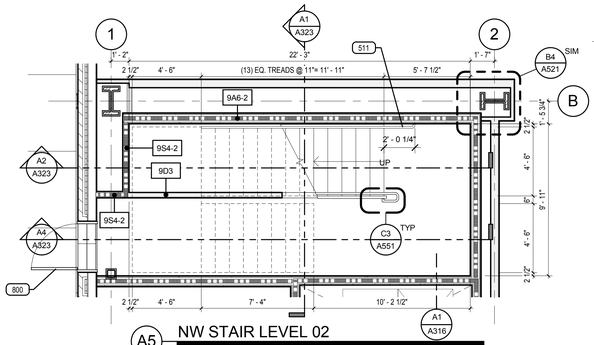
D5 NW STAIR LEVEL 05
SCALE: 1/4" = 1'-0"



C5 NW STAIR LEVEL 03, 04
SCALE: 1/4" = 1'-0"



B5 NW STAIR LEVEL 02 M
SCALE: 1/4" = 1'-0"



A5 NW STAIR LEVEL 02
SCALE: 1/4" = 1'-0"

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Job # 09625
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Drawn Author Checked Checker
Date 12/03/2010
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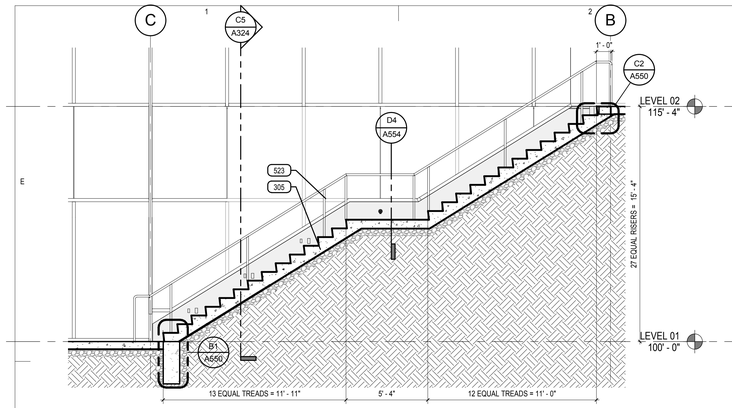
ENLARGED NW STAIR PLANS AND SECTIONS

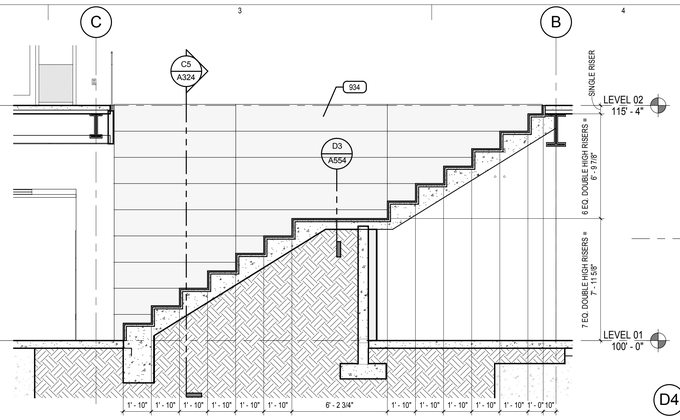
A323
Sheet Number

12/6/2010 3:50:16 PM



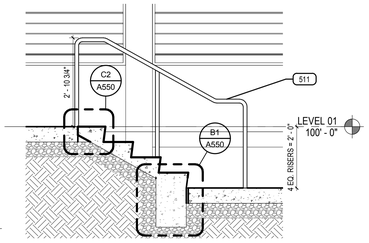
D1 STAIR SECTION- EXTERIOR

SCALE: 1/4" = 1'-0"



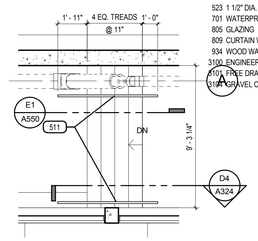
D3 STAIR SECTION- INTERIOR

SCALE: 1/4" = 1'-0"



D4 STAIR SECTION AT TUNNEL ACCESS

SCALE: 1/2" = 1'-0"

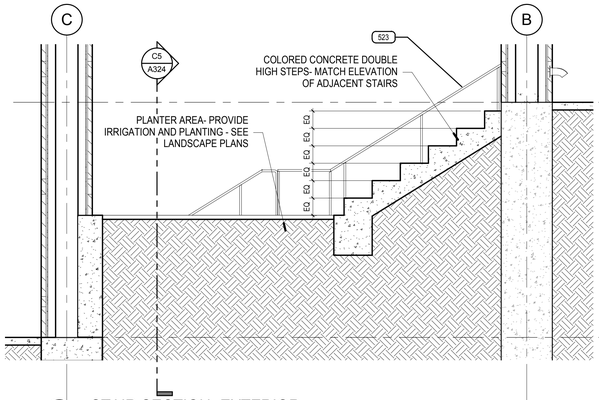


D5 STAIR AT TUNNEL ACCESS

SCALE: 1/4" = 1'-0"

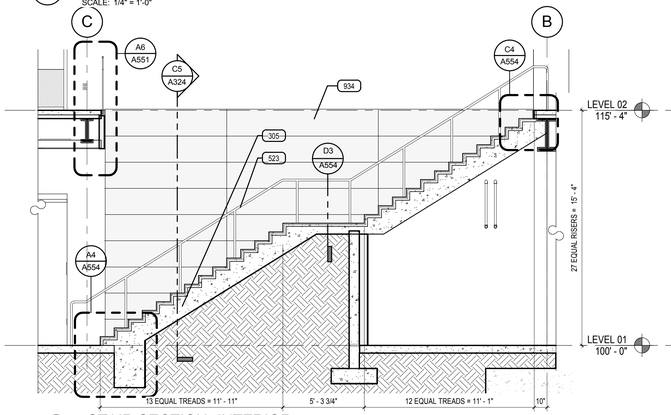
KEYED NOTES

301 REINFORCED CONCRETE FOUNDATION WALL
305 REINFORCED CONCRETE STAIRS.
308 REINFORCED CONCRETE SLAB
406 STONE MASONRY
500 STEEL TUBE PAINTED WHERE EXPOSED
501 STEEL BEAM WITH 2 HOUR FIREPROOFING
511 1 1/2" DIA. STEEL PIPE HANDRAIL PAINTED U.N.O.
523 1 1/2" DIA. STAINLESS STEEL PIPE HANDRAIL,TYP.
701 WATERPROOFING SYSTEM W/ DRAINAGE PANEL SYSTEM TYP.
805 GLAZING
809 CURTAIN WALL SYSTEM
934 WOOD WALL PANEL
3100 ENGINEERED FILL
3101 FREE DRAINING GRAVEL BASE
3104 GRAVEL CHIMNEY DRAIN, MIN WIDTH 18"



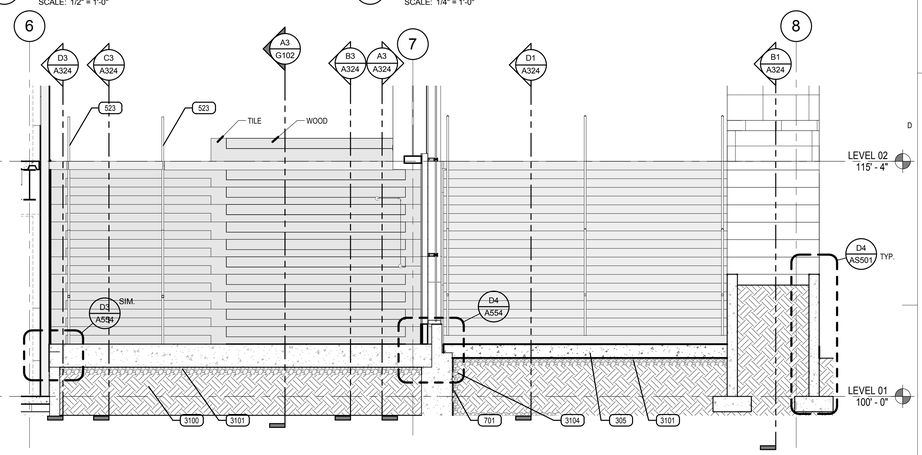
B1 STAIR SECTION- EXTERIOR

SCALE: 1/4" = 1'-0"



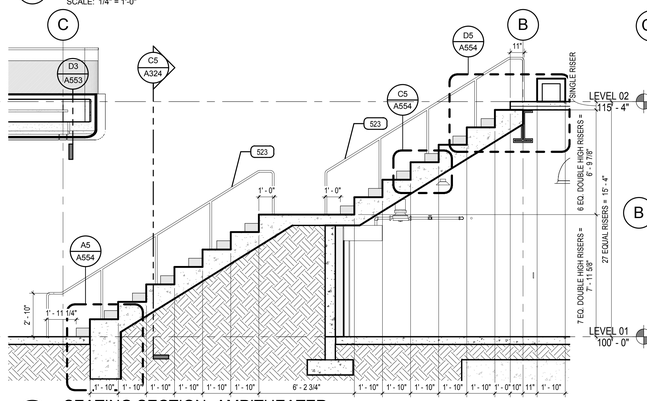
C3 STAIR SECTION- INTERIOR

SCALE: 1/4" = 1'-0"



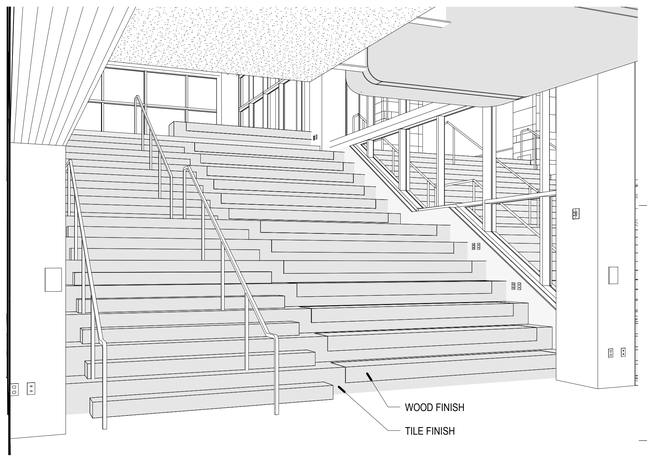
C5 GRAND STAIR NORTH SECTION

SCALE: 1/4" = 1'-0"



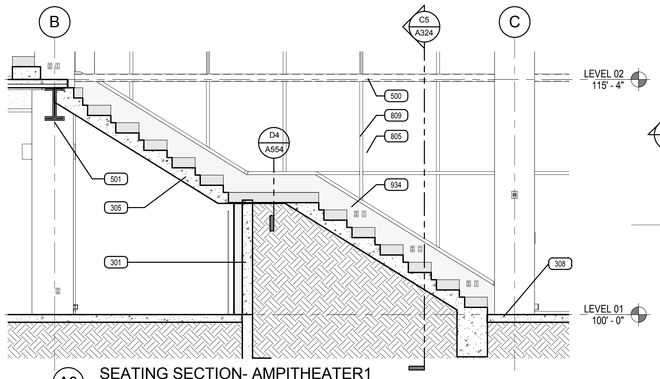
B3 SEATING SECTION- AMPITHEATER

SCALE: 1/4" = 1'-0"



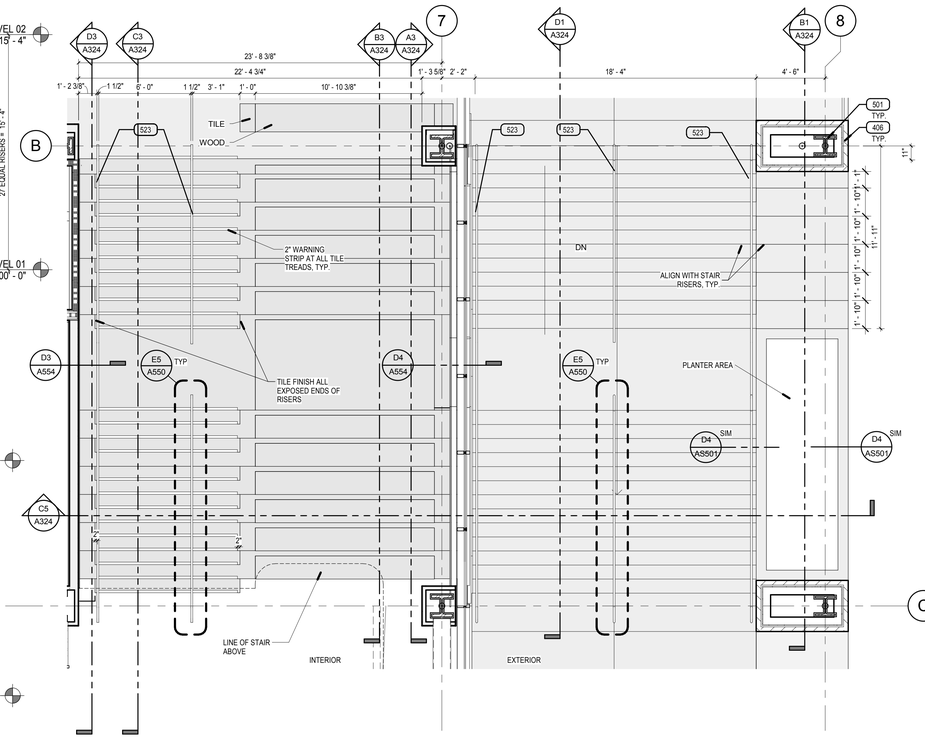
A1 01E-STAIR-LOWER

SCALE:



A3 SEATING SECTION- AMPITHEATER1

SCALE: 1/4" = 1'-0"



A5 INTERIOR STAIR WITH AMPITHEATER SEATING - EXTERIOR STAIR

SCALE: 1/4" = 1'-0"

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ENLARGED STAIR AND AMPHITHEATER PLANS AND SECTIONS

A324
Sheet Number

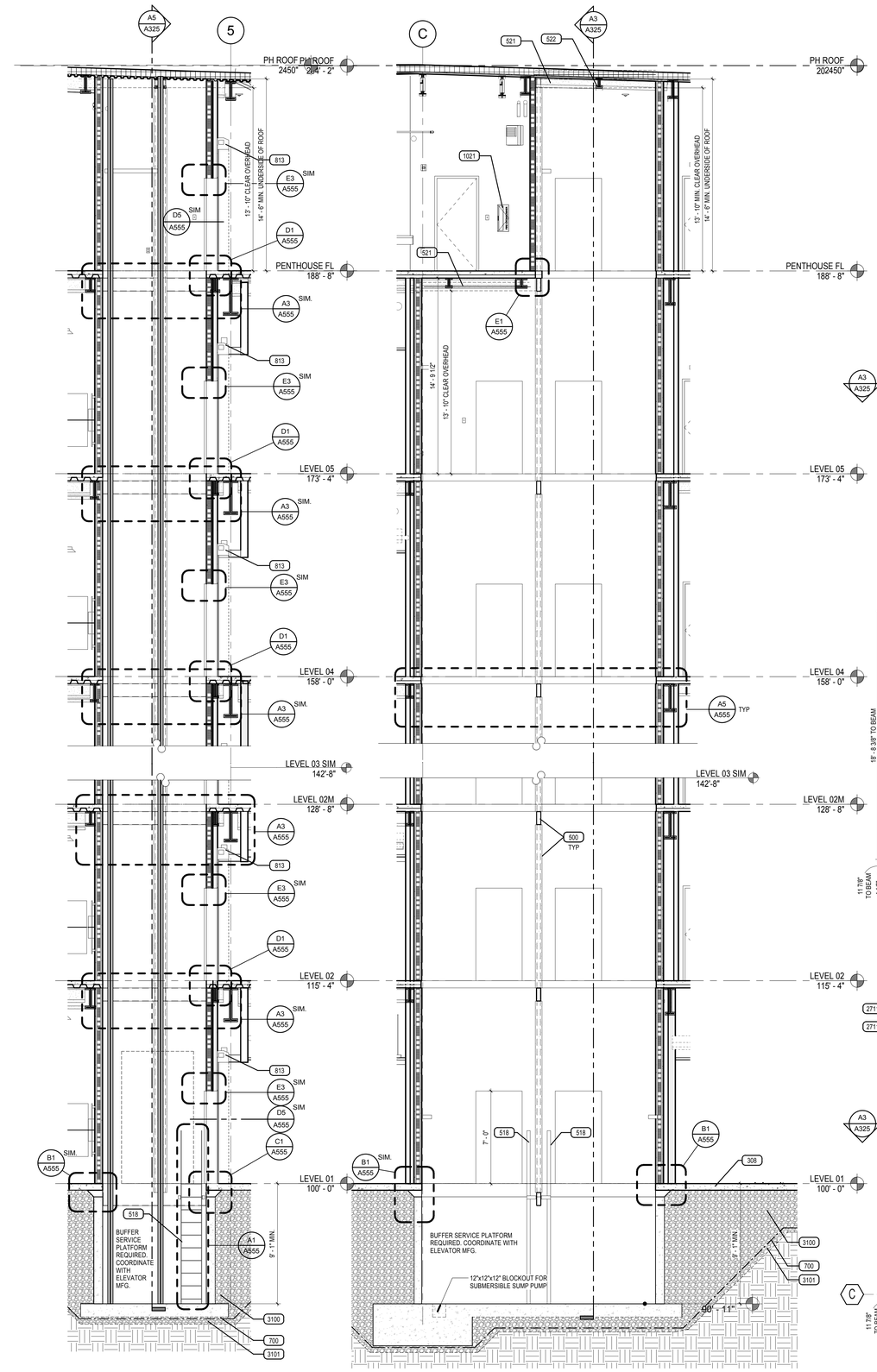
12/6/2010 3:50:43 PM

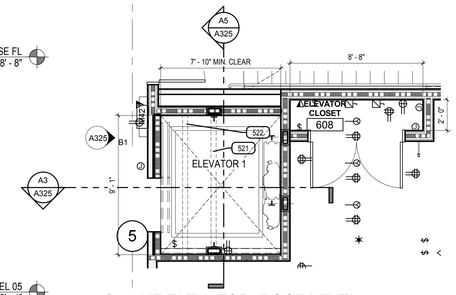
KEYED NOTES

CONTRACTOR SHALL CERTIFY THAT ANY OTHER ELEVATOR BID WILL FIT INTO THE SHAFTS AS DESIGNED AND ALL COSTS ASSOCIATED WITH ADJUSTMENTS ARE CAPTURED INTO THE BASE BID AND WILL NOT BE A CHANGE ORDER TO THE OWNER. **THIS INCLUDES ANY ADDITIONAL STEEL NEEDED FOR RAIL ATTACHMENTS AND HOIST BEAM CONFIGURATIONS INCLUDING STEEL RAIL SUPPORTS INSIDE SHAFT WALL.**

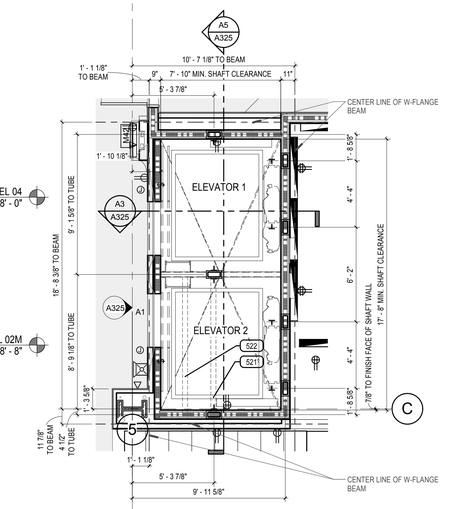
AT ALL ELEVATOR SHAFT LOCATIONS AND EQUIPMENT CLOSETS THERE SHALL BE NO CONDUIT, PIPING, DUCTWORK, ETC., THAT IS NOT ASSOCIATED WITH THE ELEVATOR SYSTEM

308 REINFORCED CONCRETE SLAB
500 STEEL TUBE PAINTED WHERE EXPOSED
518 STEEL LADDER
521 HOIST BEAM, PROVIDED BY DIVISION 14 INSTALLED BY DIVISION 5
522 LIFELINE PROVIDED BY DIVISION 14 INSTALLED BY DIVISION 5
700 BELOW-GRADE WATERPROOFING SYSTEM
800 DOOR & FRAME
813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM, SEE DETAIL C2/A541
911 PAINTED GYPSUM BOARD
920 SCHEDULED BASE
1021 RECESSED FIRE EXTINGUISHER CABINET W/ FE, SEE DETAIL C3/A520
1023 SIGNAGE, SEE SCHEDULE
1404 ELEVATOR DOOR AND FRAME
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2800 ACCESS CONTROL
3100 ENGINEERED FILL
3101 FREE DRAINING GRAVEL BASE

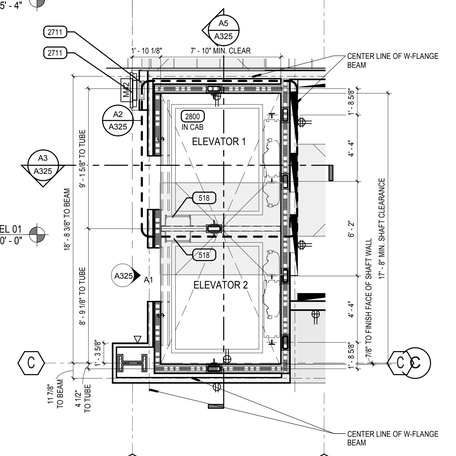




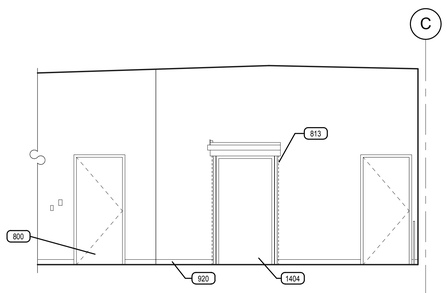
D6 NE ELEVATOR- ROOF LEVEL
SCALE: 1/4" = 1'-0"



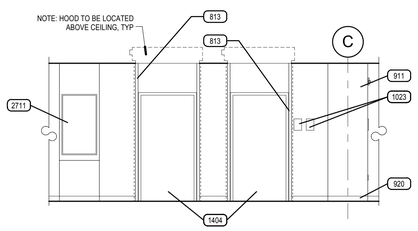
B6 NE ELEVATOR PLAN LEVEL 2-5
SCALE: 1/4" = 1'-0"



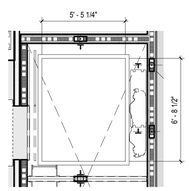
A6 NE ELEVATOR PLAN LEVEL 1
SCALE: 1/4" = 1'-0"



B1 ELEVATOR 1 PENTHOUSE LOBBY
SCALE: 1/4" = 1'-0"



A1 ELEVATOR LOBBY ELEVATION TYP.
SCALE: 1/4" = 1'-0"



A2 ELEVATOR 1 ENLARGED PLAN- (ELEVATOR 2 SIM.)
SCALE: 1/4" = 1'-0"

A3 NE ELEVATOR SECTION 01
SCALE: 1/4" = 1'-0"

A5 NE ELEVATOR SECTION 02
SCALE: 1/4" = 1'-0"

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DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

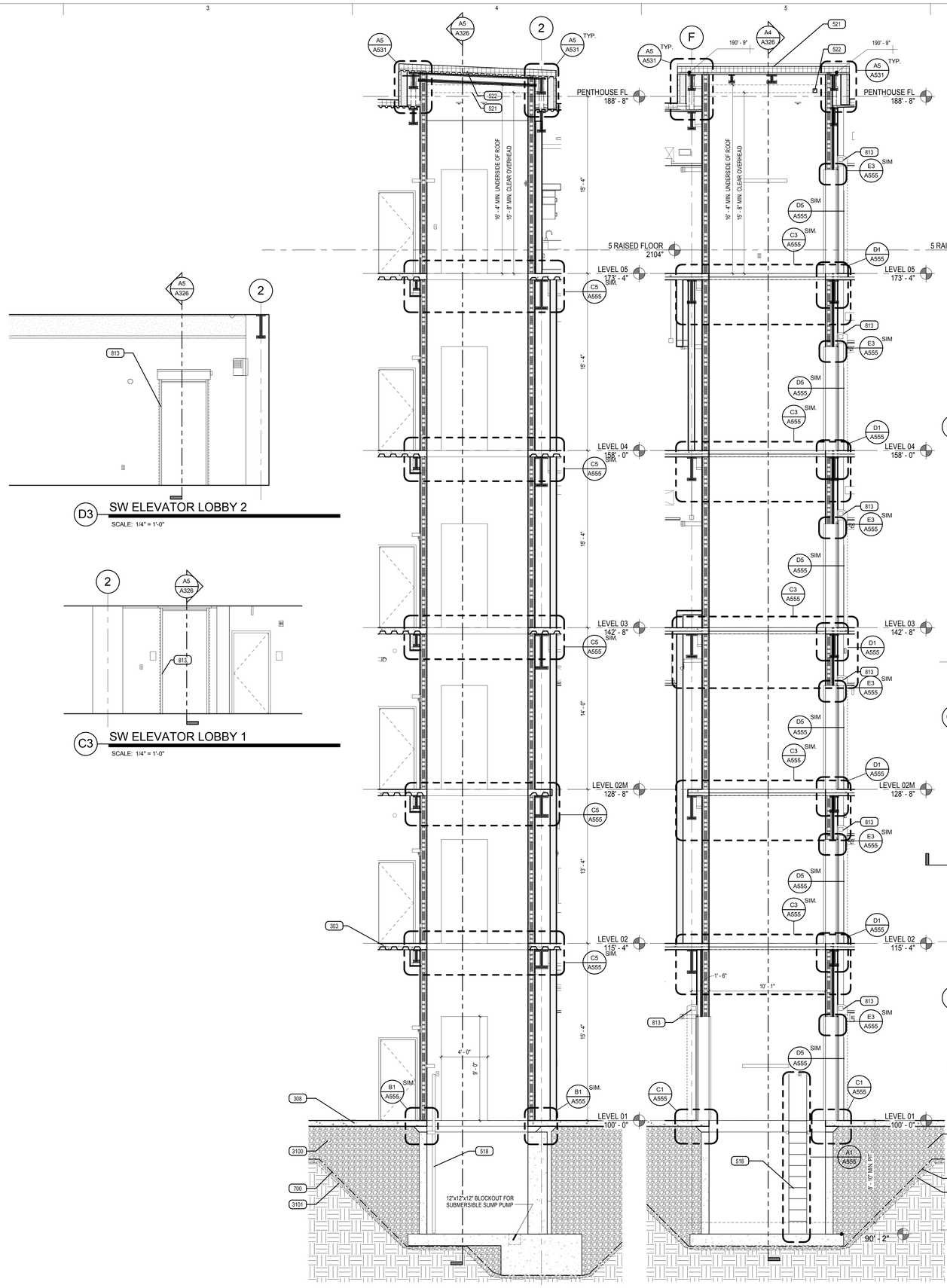
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED NE ELEVATOR PLANS AND SECTIONS

A325
Sheet Number

12/6/2010 3:51:06 PM



A4 SW ELEVATOR SECTION
SCALE: 1/4" = 1'-0"

A5 SW ELEVATOR SECTION
SCALE: 1/4" = 1'-0"

D3 SW ELEVATOR LOBBY 2
SCALE: 1/4" = 1'-0"

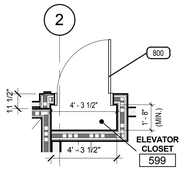
C3 SW ELEVATOR LOBBY 1
SCALE: 1/4" = 1'-0"

KEYED NOTES

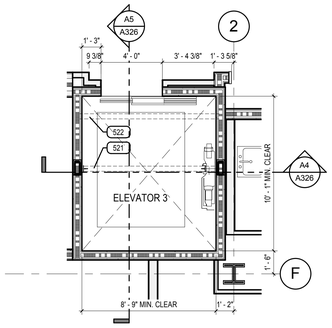
CONTRACTOR SHALL CERTIFY THAT ANY OTHER ELEVATOR BID WILL FIT INTO THE SHAFTS AS DESIGNED AND ALL COSTS ASSOCIATED WITH ADJUSTMENTS ARE CAPTURED INTO THE BASE BID AND WILL NOT BE A CHANGE ORDER TO THE OWNER. **THIS INCLUDES ANY ADDITIONAL STEEL NEEDED FOR RAIL ATTACHMENTS AND HOIST BEAM CONFIGURATIONS INCLUDING STEEL RAIL SUPPORTS INSIDE SHAFT WALL.**

AT ALL ELEVATOR SHAFT LOCATIONS AND EQUIPMENT CLOSETS THERE SHALL BE NO CONDUIT, PIPING, DUCTWORK, ETC., THAT IS NOT ASSOCIATED WITH THE ELEVATOR SYSTEM

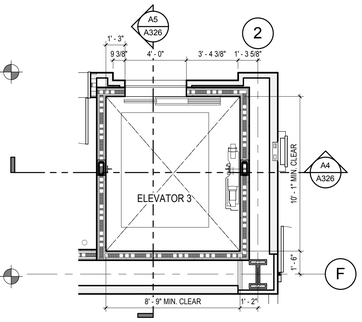
303 REINFORCED CONCRETE SLAB ON METAL DECK
308 REINFORCED CONCRETE SLAB
518 STEEL LADDER
521 HOIST BEAM, PROVIDED BY DIVISION 14 INSTALLED BY DIVISION 5
522 LIFELINE PROVIDED BY DIVISION 14 INSTALLED BY DIVISION 5
700 BELOW-GRADE WATERPROOFING SYSTEM
800 DOOR & FRAME
813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM, SEE DETAIL C2/A541
2800 ACCESS CONTROL
3100 ENGINEERED FILL
3101 FREE DRAINING GRAVEL BASE



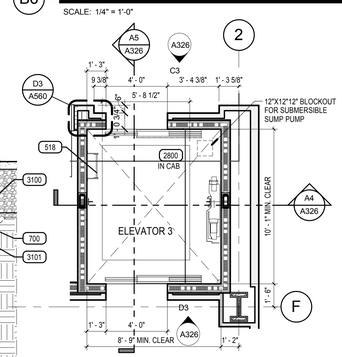
D6 ELEVATOR REMOTE CLOSET
SCALE: 1/4" = 1'-0"



C6 SW ELEVATOR LEVEL 05
SCALE: 1/4" = 1'-0"



B6 SW ELEVATOR LEVEL 02,02M,03,04
SCALE: 1/4" = 1'-0"



DIMENSIONS SHOWN AT STUD WALLS ARE TO THE FINISH FACE OF WALLS AND ARE USED TO SHOW REQUIRED CLEARANCES

A6 SW ELEVATOR LEVEL 01
SCALE: 1/4" = 1'-0"

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #00297640
DIXIE COLLEGE, ST. GEORGE, UT
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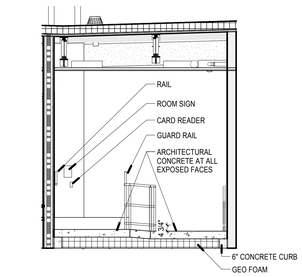
ENLARGED SW ELEVATOR PLANS AND SECTIONS

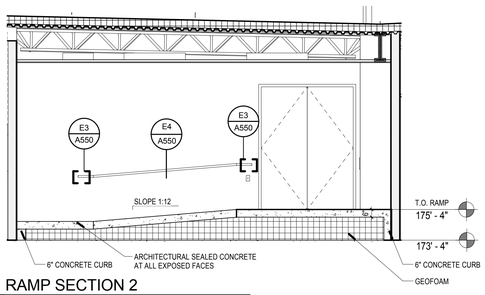
A326
Sheet Number

12/6/2010 3:51:26 PM



B3 RAMP SECTION 1

SCALE: 1/4" = 1'-0"



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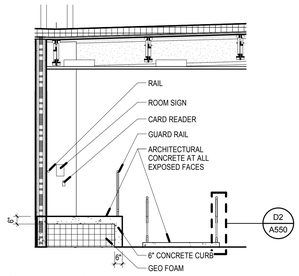

A3 RAMP SECTION 3

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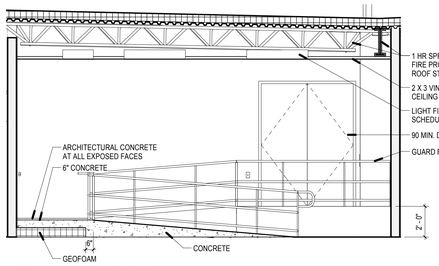

A4 RAMP SECTION 4

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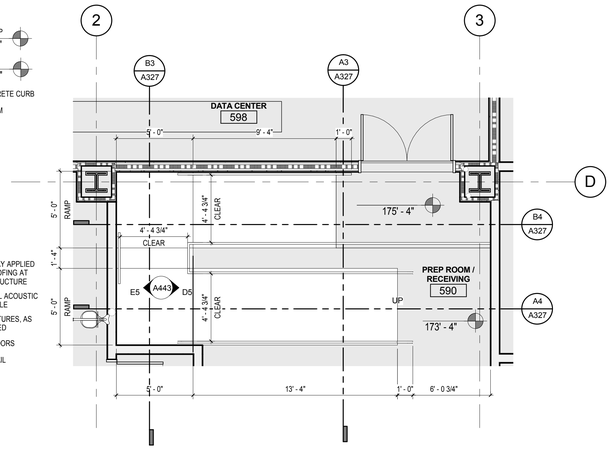

A5 ENLARGED RAMP PLAN

SCALE: 1/4" = 1'-0"

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ENLARGED RAMP PLANS AND SECTIONS

A327

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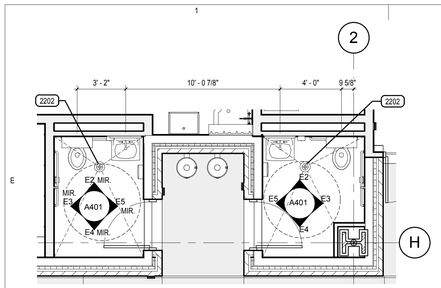
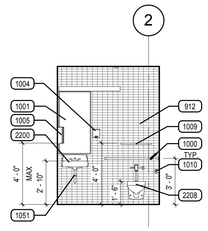
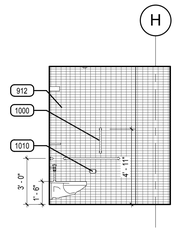
12/6/2010 3:51:40 PM



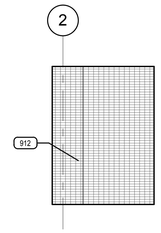
E1 ENLARGED RESTROOM PLAN
SCALE: 1/4" = 1'-0"



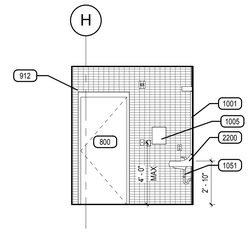
E2 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



E3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



E4 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



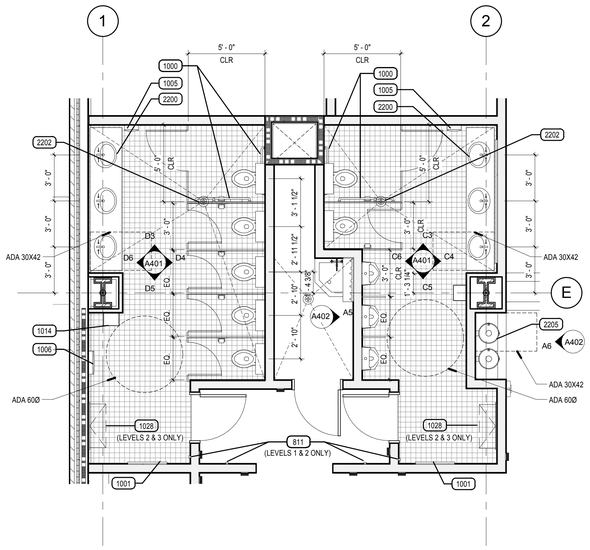
E5 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

GENERAL NOTE: REFER TO ACCESSIBILITY DETAILS ON SHEET G40 FOR DIMENSIONS AND CLEARANCES

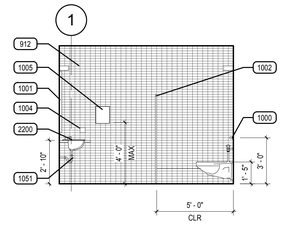
KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

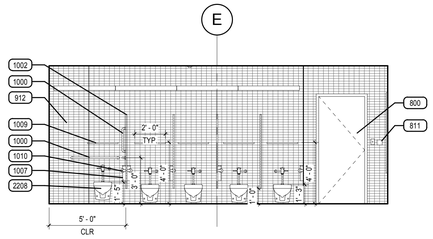
605 QUARTZ COUNTERTOP
800 DOOR & FRAME
811 ACCESSIBLE DOOR ACTIVATOR
912 2X4 CERAMIC WALL TILE, FULL HEIGHT
912
915 GLASS TILE BACKSPLASH
915
1000 GRAB BAR, SEE ACCESSIBILITY DETAILS 604/G401
1001 MIRROR
1002 TOILET PARTITION
1004 SOAP DISPENSER, N.I.C.
1005 PAPER TOWEL DISPENSER, N.I.C.
1006 SANITARY NAPKIN DISPENSER
1007 SANITARY NAPKIN DISPOSAL
1009 STAINLESS STEEL SHELF
1010 TOILET PAPER DISPENSER, N.I.C.
1014 ELECTRIC HAND DRYER
1028 CHANGING TABLE
1029 URINAL PARTITION
1051 UNDER LAVATORY GUARD
2200 SINK AND FAUCET
2202 FLOOR DRAIN SEE DETAIL
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2208 TOILET
2209 URINAL



C1 ENLARGED RESTROOM PLAN
SCALE: 1/4" = 1'-0"



D3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



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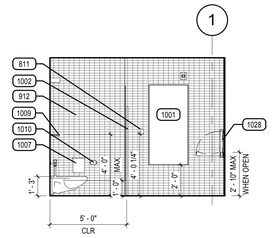
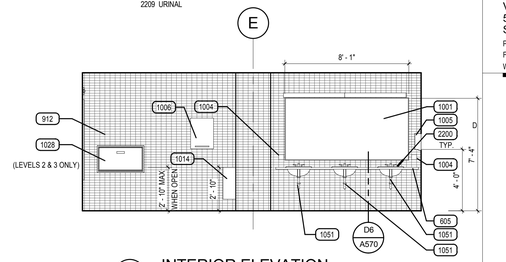
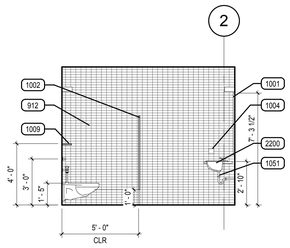
SCALE: 1/4" = 1'-0"



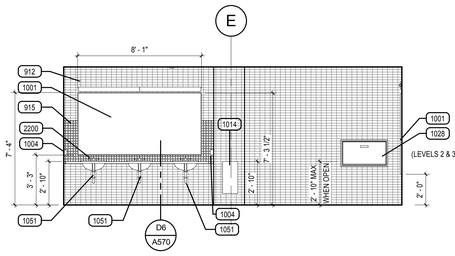
D5 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



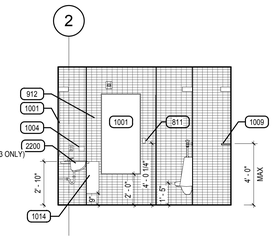
D6 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



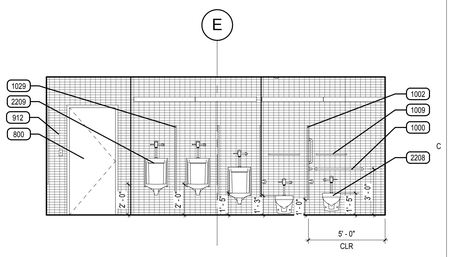
C3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



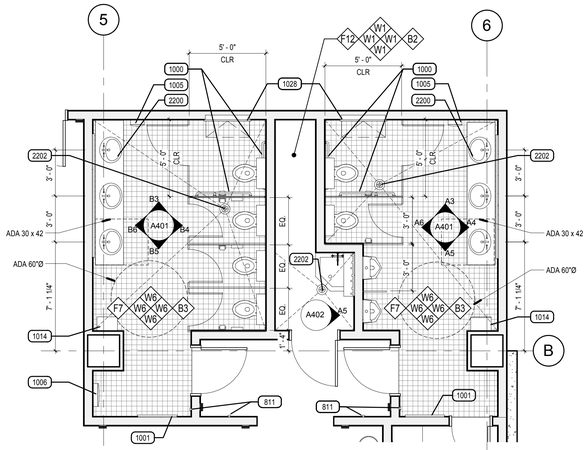
C4 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



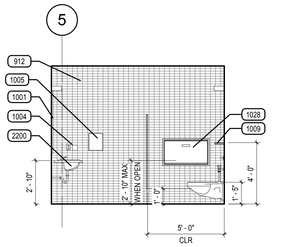
C5 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



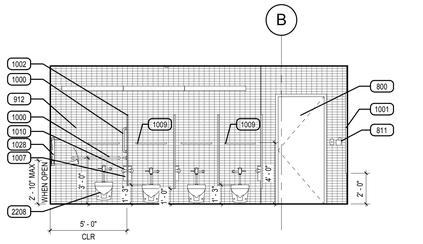
C6 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



A1 ENLARGED RESTROOM PLAN 122 &124
SCALE: 1/4" = 1'-0"



B3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



B4 INTERIOR ELEVATION
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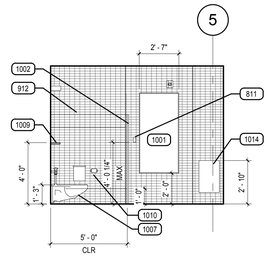
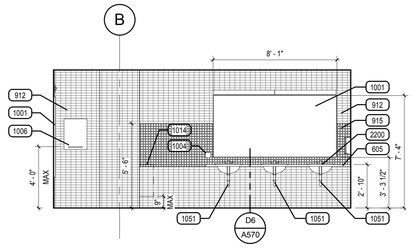
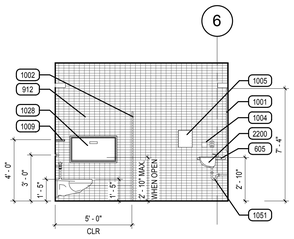


B5 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



B6 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



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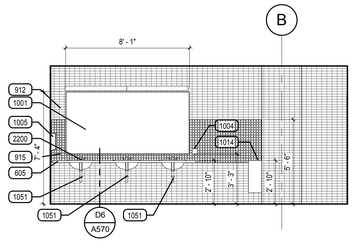

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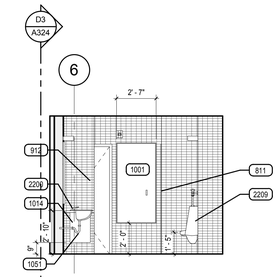

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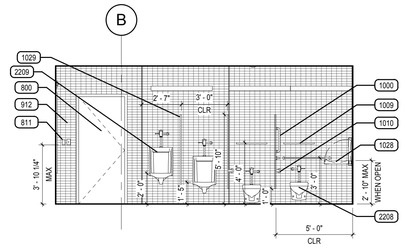

A6 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

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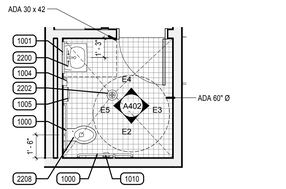
ENLARGED TOILET ROOMS

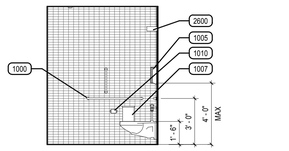
A401
Sheet Number

12/6/2010 3:52:19 PM



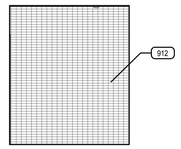
E1 ENLARGED TOILET ROOM 588A

SCALE: 1/4" = 1'-0"



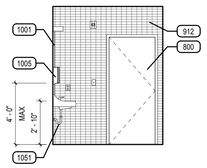
E2 TOILET 588A SOUTH

SCALE: 1/4" = 1'-0"



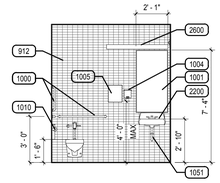
E3 TOILET 588A EAST

SCALE: 1/4" = 1'-0"



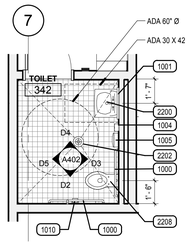
E4 TOILET 588A NORTH

SCALE: 1/4" = 1'-0"



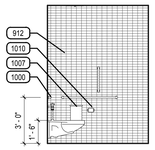
E5 TOILET 588A WEST

SCALE: 1/4" = 1'-0"



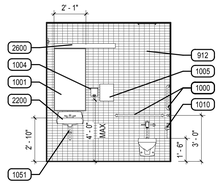
D1 ENLARGED TOILET ROOM 342

SCALE: 1/4" = 1'-0"



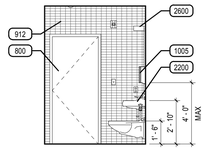
D2 TOILET 342 SOUTH

SCALE: 1/4" = 1'-0"



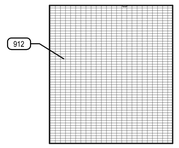
D3 TOILET 342 EAST

SCALE: 1/4" = 1'-0"



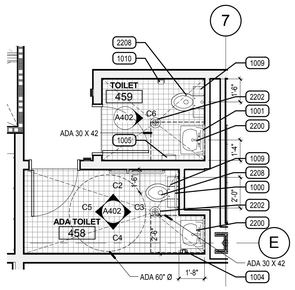
D4 TOILET 342 NORTH

SCALE: 1/4" = 1'-0"



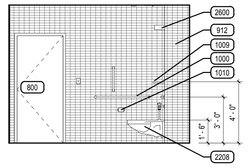
D5 TOILET 342 WEST

SCALE: 1/4" = 1'-0"



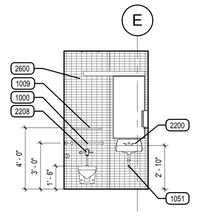
C1 TOILET ROOM PLANS 458, 459

SCALE: 1/4" = 1'-0"



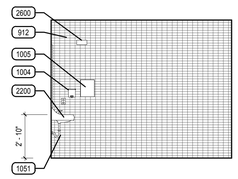
C2 TOILET 458 NORTH ELEVATION

SCALE: 1/4" = 1'-0"



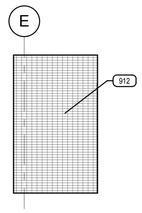
C3 TOILET 458 EAST ELEVATION

SCALE: 1/4" = 1'-0"



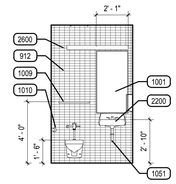
C4 TOILET 458 SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



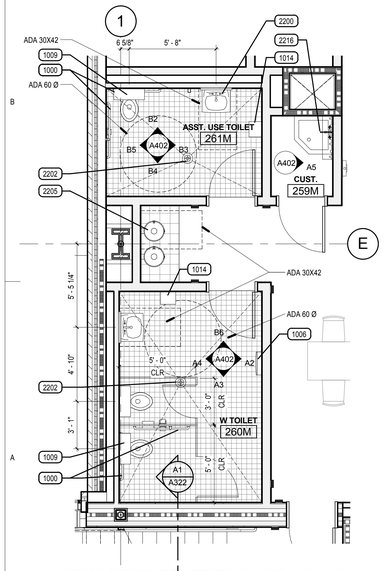
C5 TOILET 458 WEST ELEVATION

SCALE: 1/4" = 1'-0"



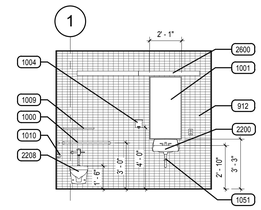
C6 TOILET 459 EAST ELEVATION

SCALE: 1/4" = 1'-0"



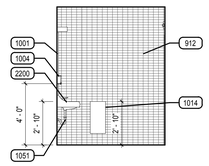
A1 ENLARGED TOILET ROOM PLAN 260M, 261M

SCALE: 1/4" = 1'-0"



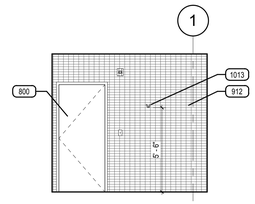
B2 TOILET 261M NORTH ELEVATION

SCALE: 1/4" = 1'-0"



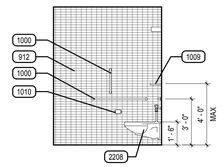
B3 TOILET 261M EAST ELEVATION

SCALE: 1/4" = 1'-0"



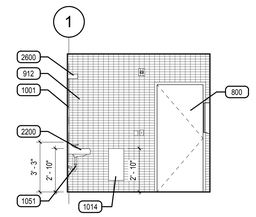
B4 TOILET 261M SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



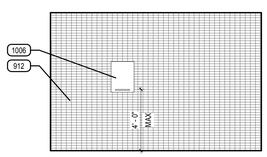
B5 TOILET 261M WEST ELEVATION

SCALE: 1/4" = 1'-0"



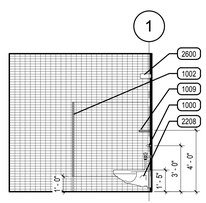
B6 TOILET 260M NORTH ELEVATION

SCALE: 1/4" = 1'-0"



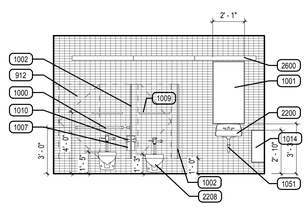
A2 TOILET 260M EAST ELEVATION

SCALE: 1/4" = 1'-0"



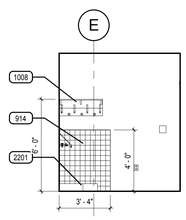
A3 INTERIOR ELEVATION SOUTH

SCALE: 1/4" = 1'-0"



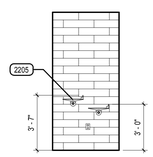
A4 INTERIOR ELEVATION WEST

SCALE: 1/4" = 1'-0"



A5 MOP SINK, TYPICAL

SCALE: 1/4" = 1'-0"



A6 DRINKING FOUNTAIN, TYP.

SCALE: 1/4" = 1'-0"

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

800 DOOR & FRAME
912 2X4 CERAMIC WALL TILE, FULL HEIGHT
914 CERAMIC WALL TILE.
915
1000 GRAB BAR, SEE ACCESSIBILITY DETAILS 604/G401
1001 MIRROR
1002 TOILET PARTITION
1004 SOAP DISPENSER, N.I.C.
1005 PAPER TOWEL DISPENSER, N.I.C.
1006 SANITARY NAPKIN DISPENSER
1007 SANITARY NAPKIN DISPOSAL
1008 MOP RACK
1009 STAINLESS STEEL SHELF
1010 TOILET PAPER DISPENSER, N.I.C.
1013 ROBE HOOK
1014 ELECTRIC HAND DRYER
1051 UNDER LAVATORY GUARD
2200 SINK AND FAUCET
2201 JANITOR'S FLOOR SINK AND FAUCET
2202 FLOOR DRAIN SEE DETAIL
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2208 TOILET
2216 MOP SINK & FAUCET
2600 LIGHT FIXTURE

VCBO
ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

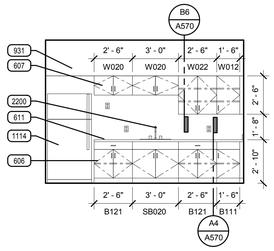
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED TOILET ROOMS

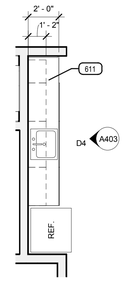
A402
Sheet Number

12/6/2010 3:53:02 PM



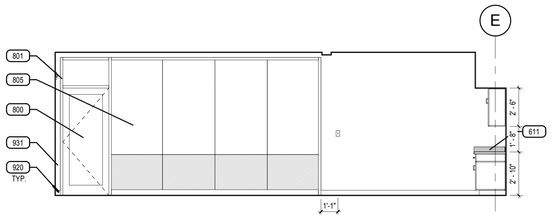
D4 FACULTY/STAFF LOUNGE 341 KITCHENETTE

SCALE: 1/4" = 1'-0"



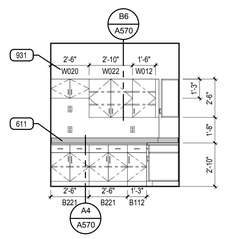
D5 FACULTY/STAFF LOUNGE 341

SCALE: 1/4" = 1'-0"



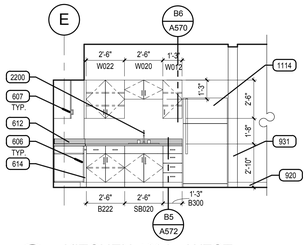
C2 KITCHEN 460A - EAST

SCALE: 1/4" = 1'-0"



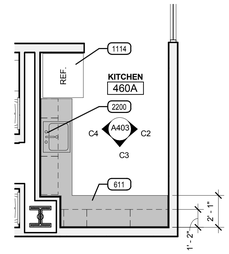
C3 KITCHEN 460A - SOUTH

SCALE: 1/4" = 1'-0"



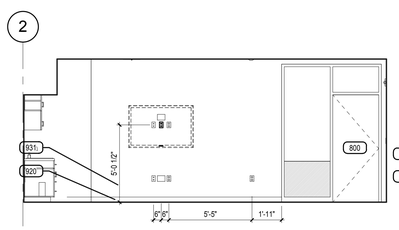
C4 KITCHEN 460A - WEST

SCALE: 1/4" = 1'-0"



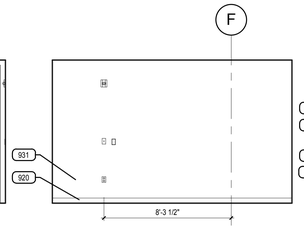
C5 KITCHEN 460A

SCALE: 1/4" = 1'-0"



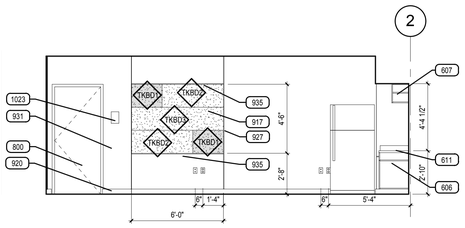
B1 BREAKROOM 588 - NORTH

SCALE: 1/4" = 1'-0"



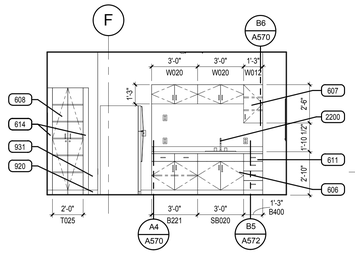
B2 BREAKROOM 588 - EAST

SCALE: 1/4" = 1'-0"



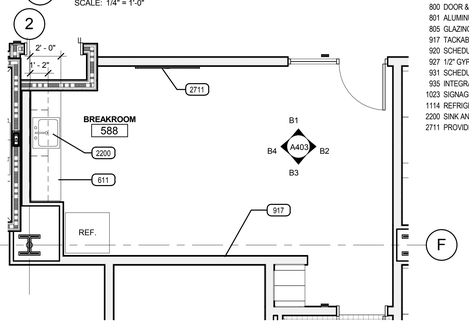
B3 BREAKROOM 588 - SOUTH

SCALE: 1/4" = 1'-0"



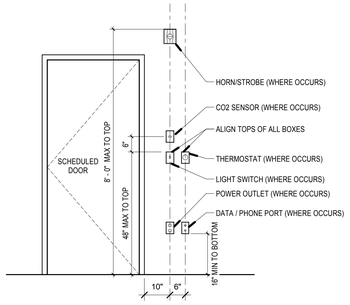
B4 BREAKROOM 588 - WEST

SCALE: 1/4" = 1'-0"



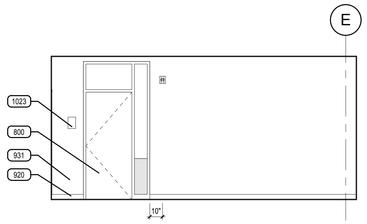
B5 BREAKROOM 588

SCALE: 1/4" = 1'-0"



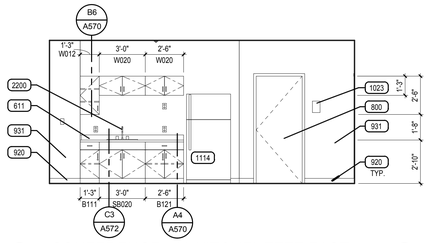
A3 TYP. WALL MOUNTING POSITIONS

SCALE: 1/2" = 1'-0"



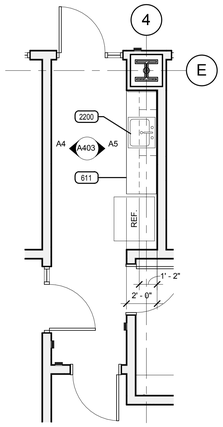
A4 CONFERENCE 162 KITCHENETTE WEST

SCALE: 1/4" = 1'-0"



A5 CONFERENCE 162 KITCHENETTE EAST

SCALE: 1/4" = 1'-0"



A6 CONFERENCE 162 KITCHENETTE

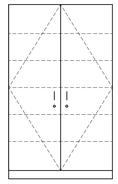
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

606 WALL MOUNTED BASE CABINET WITH BLOCKING
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
608 WALL MOUNTED TALL CABINET WITH BLOCKING
611 PLASTIC LAMINATE COUNTERTOP
612 SOLID SURFACE COUNTERTOP
614 FILLER PANEL
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
917 TACKABLE WALL SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1114 REFRIGERATOR, NIC; CONTRACTOR TO CONNECT ICEMAKER
2200 SINK AND FAUCET
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC

VCBO
ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED KITCHENETTE & TYP. WALL MOUNTING PLANS

A403

Sheet Number

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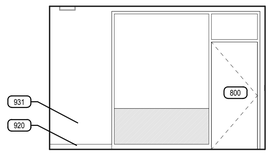
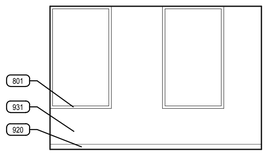
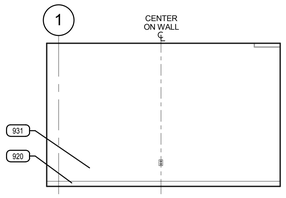


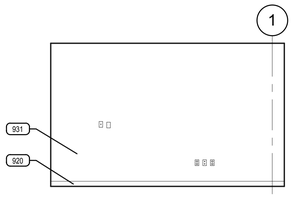
E1 OFFICE 175 EAST
SCALE: 1/4" = 1'-0"



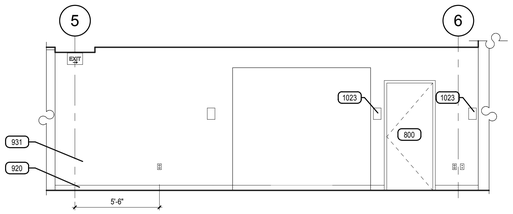
E2 OFFICE 175 WEST
SCALE: 1/4" = 1'-0"



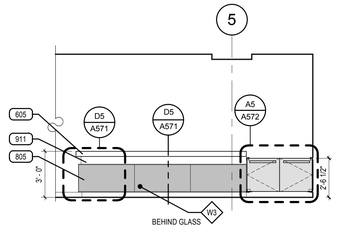
E4 OFFICE 175 NORTH
SCALE: 1/4" = 1'-0"



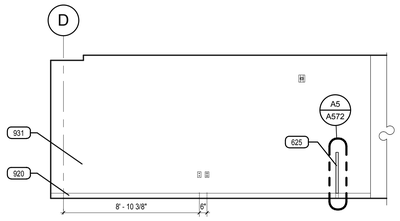
E3 OFFICE 175 SOUTH
SCALE: 1/4" = 1'-0"



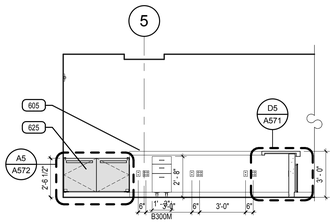
E5 VENDING ROOM 105 ELEVATION
SCALE: 1/4" = 1'-0"



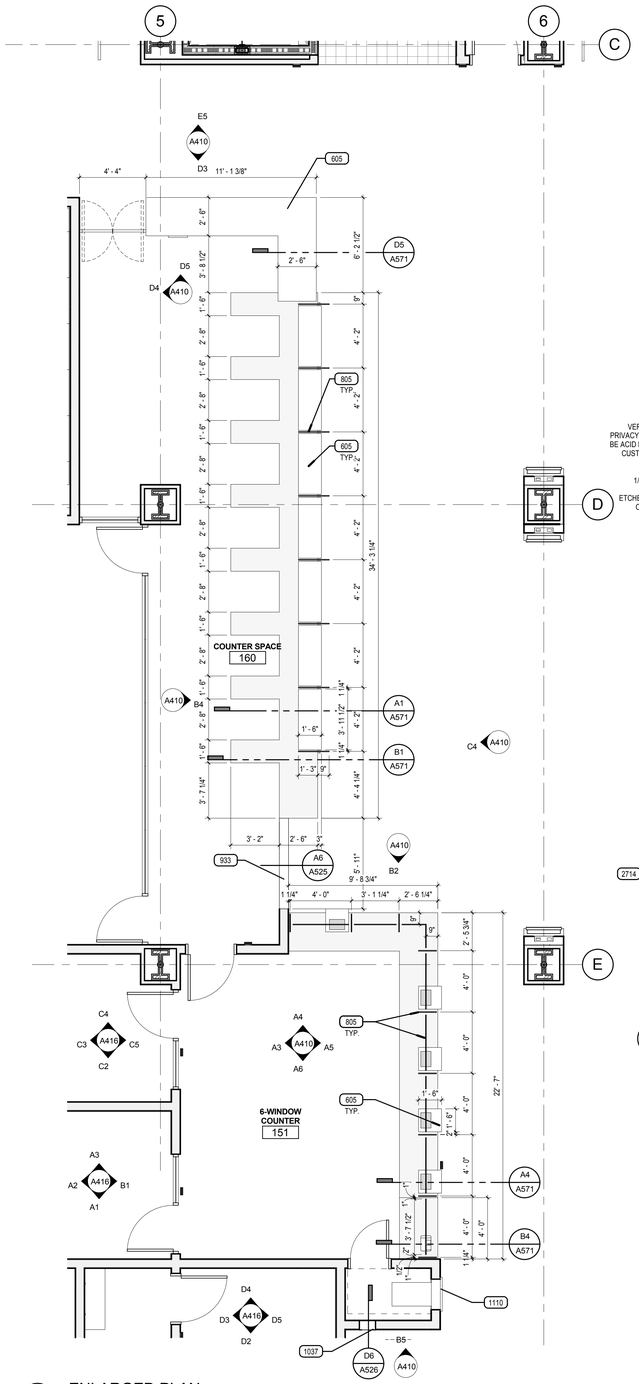
D3 COUNTER 151 ELEV B6
SCALE: 1/4" = 1'-0"



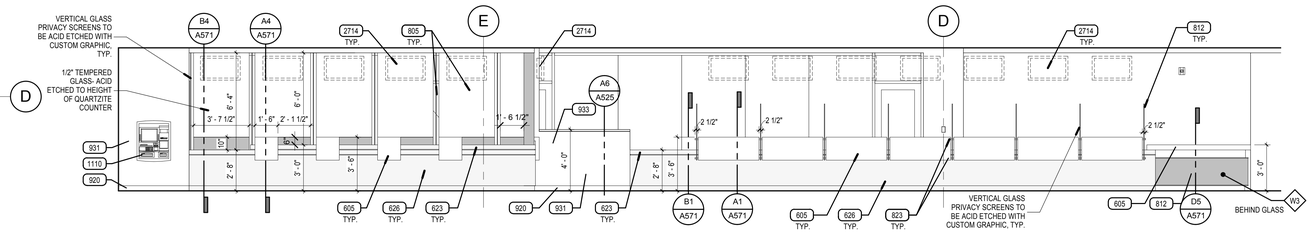
D4 COUNTER 160 WEST ELEVATION
SCALE: 1/4" = 1'-0"



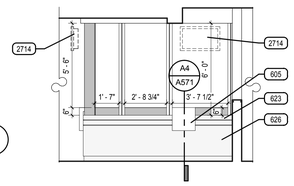
D5 COUNTER 151 ELEV A4
SCALE: 1/4" = 1'-0"



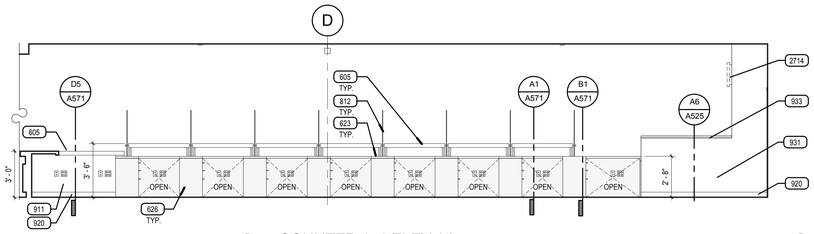
A1 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



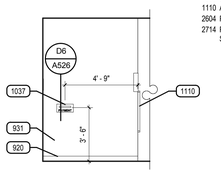
C4 COUNTER 151 ELEV C6
SCALE: 1/4" = 1'-0"



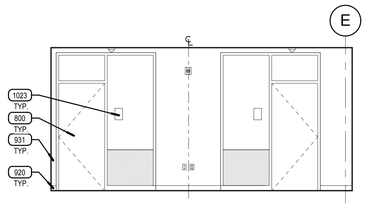
B2 COUNTER 151 ELEV C5
SCALE: 1/4" = 1'-0"



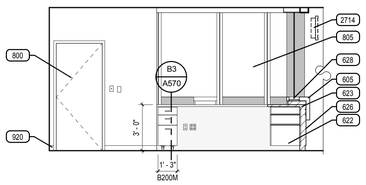
B4 COUNTER 151 ELEV A6
SCALE: 1/4" = 1'-0"



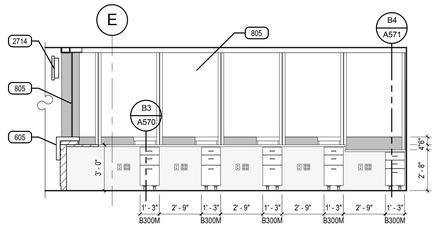
B5 PAYMENT DROP
SCALE: 1/4" = 1'-0"



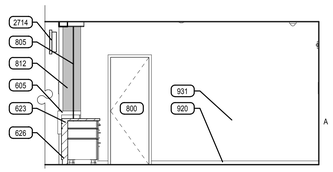
A3 COUNTER 151 WEST ELEVATION
SCALE: 1/4" = 1'-0"



A4 COUNTER 151 ELEV D6
SCALE: 1/4" = 1'-0"



A5 COUNTER 151 ELEV C4
SCALE: 1/4" = 1'-0"



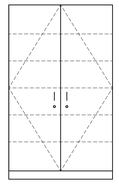
A6 COUNTER 151 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC… NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
622 MILLWORK, SEE ELEVATIONS
623 WOOD COUNTERTOP SURFACE
625 DOUBLE SWING LOW DOOR, SEE DETAIL A5/A572
626 WOOD VENEER OVER 3/4" PLYWOOD
628 METAL PASS THRU DEAL TRAY
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
812 SEMI-OPAQUE ETCHED GLAZING
823 STAINLESS STEEL GLASS STAND OFF BRACKETS
911 PAINTED GYPSUM BOARD
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
933 LOW WALL WITH SOLID WOOD CAP-SEE DETAIL- 4'-0" TALL
1023 SIGNAGE, SEE SCHEDULE
1037 BILL DROP
1050 LIBRARY LOSS PREVENTION SYSTEM
1110 ATM, NIC (COORDINATE OPENING SIZE WITH ATM SUPPLIER)
2604 PROVIDE POWER IN MILLWORK
2714 PROVIDE WALL MOUNT BRACKET FOR SCREEN TO BE MOUNTED BELOW HEADER, FLAT SCREEN MONITOR, NIC

VCBO ARCHITECTURE
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 1

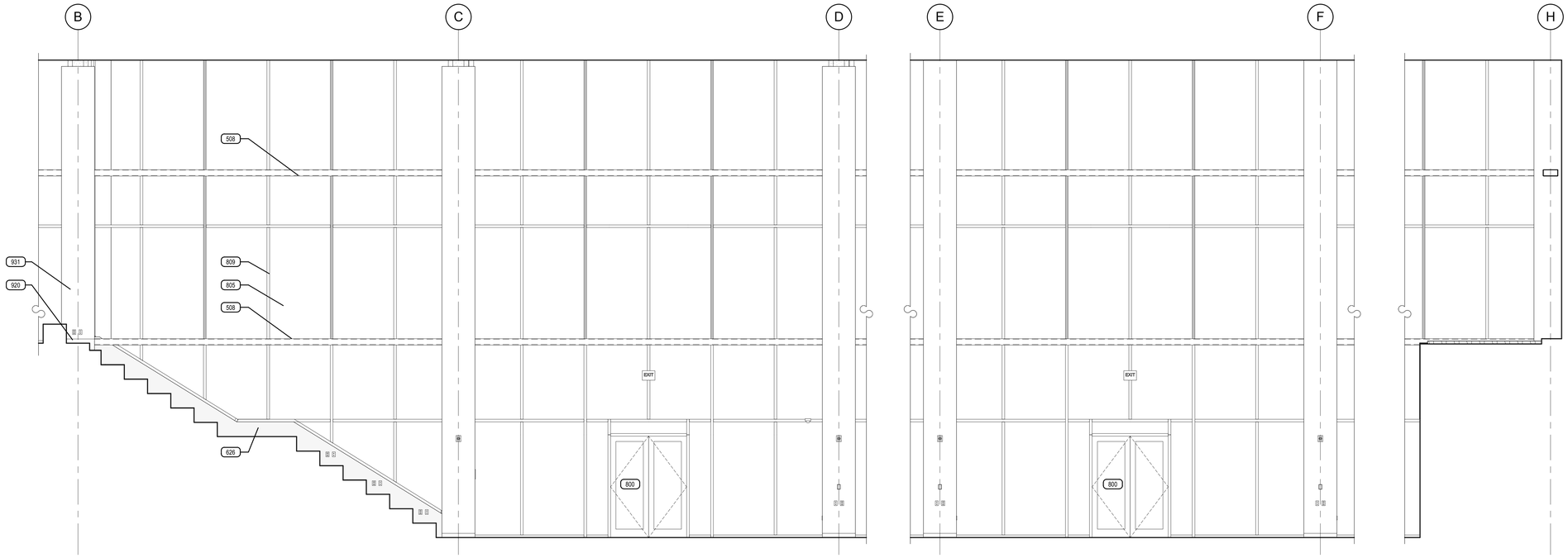
A410
Sheet Number

12/6/2010 3:53:57 PM

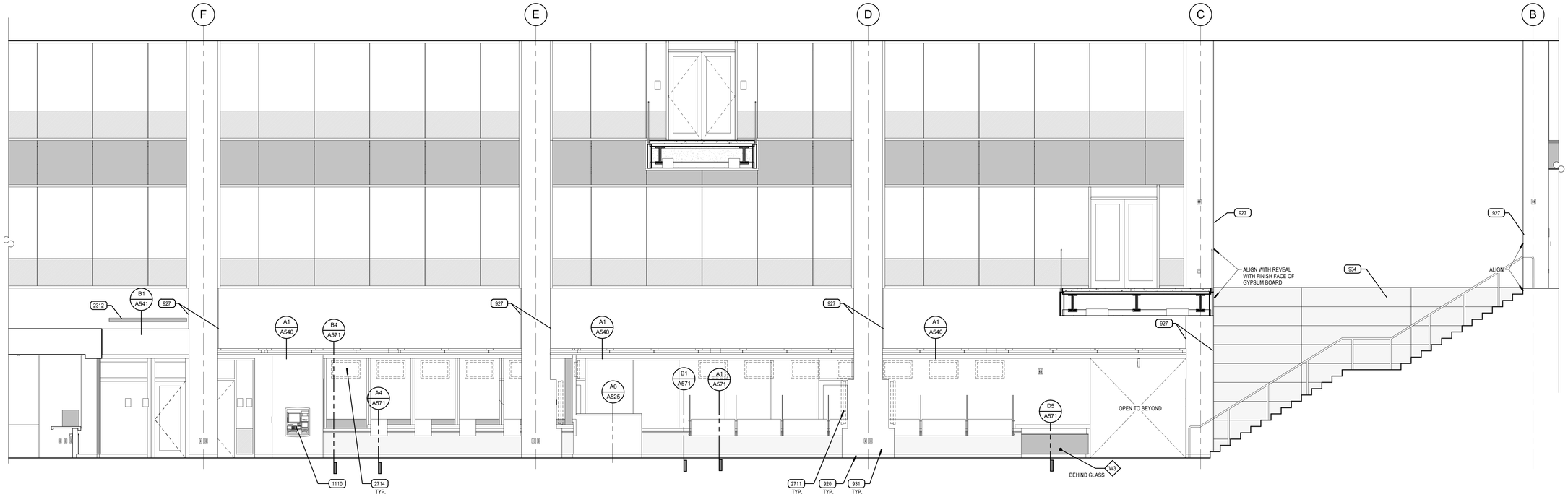
KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

508 STEEL GIRDER PAINTED WHERE EXPOSED
626 WOOD VENEER OVER 3/4" PLYWOOD
800 DOOR & FRAME
805 GLAZING
809 CURTAIN WALL SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
934 WOOD WALL PANEL
1110 ATM, NIC (COORDINATE OPENING SIZE WITH ATM SUPPLIER)
2312 SLOT DIFFUSER
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2714 PROVIDE WALL MOUNT BRACKET FOR SCREEN TO BE MOUNTED BELOW HEADER, FLAT SCREEN MONITOR, NIC



C5 LEVEL 1 EAST ATRIUM EAST FACADE
SCALE: 1/4" = 1'-0"



A5 LEVEL 1 EAST ATRIUM SPACE WEST ELEVATION
SCALE: 1/4" = 1'-0"

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VALENTINER CRANE BRUNJES ONYON

SASAKI

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

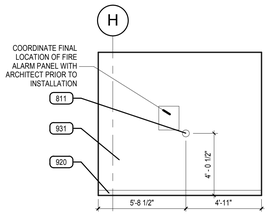
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 1

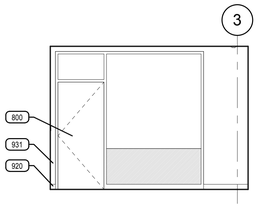
A411
Sheet Number

12/6/2010 3:54:11 PM



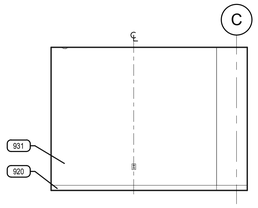
E1 VESTIBULE 125A WEST

SCALE: 1/4" = 1'-0"



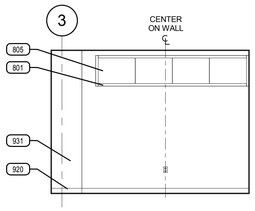
E2 DIR. OFFICE 192 NORTH

SCALE: 1/4" = 1'-0"



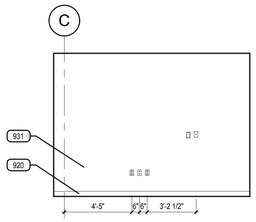
E3 DIR. OFFICE 192 EAST

SCALE: 1/4" = 1'-0"



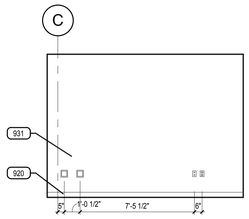
E4 DIR. OFFICE 192 SOUTH

SCALE: 1/4" = 1'-0"



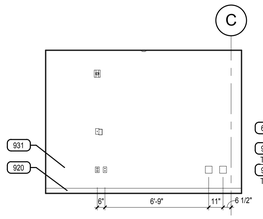
E5 DIR. OFFICE 192 WEST

SCALE: 1/4" = 1'-0"



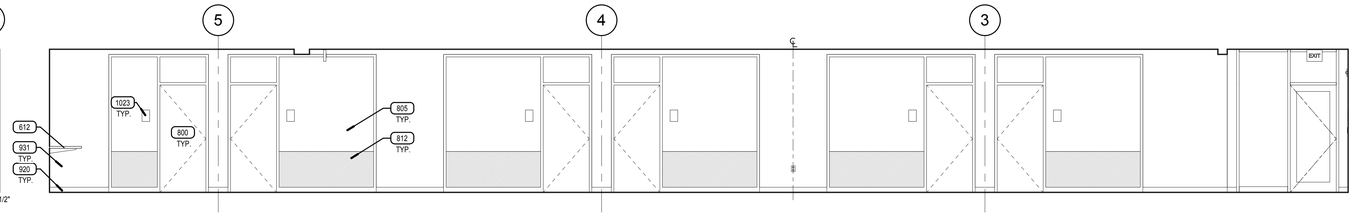
D1 REC. CALL CNTR 190 WEST

SCALE: 1/4" = 1'-0"



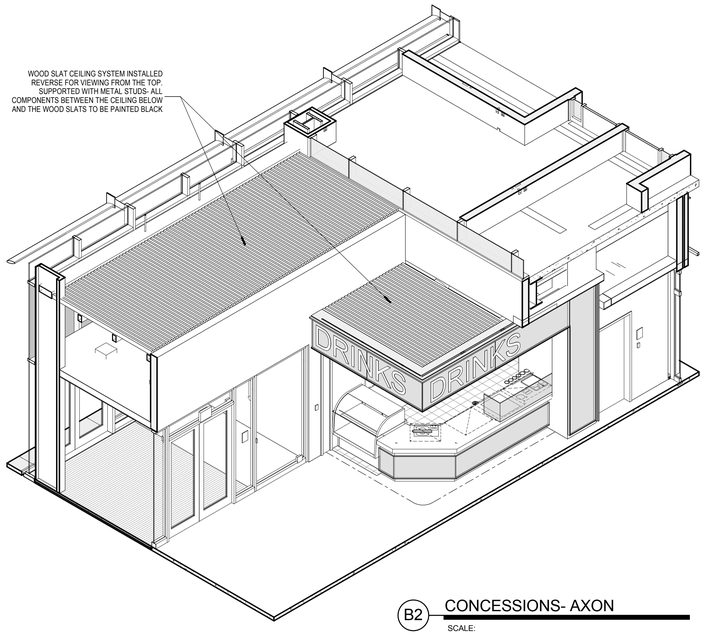
D2 REC. CALL CNTR 190 EAST

SCALE: 1/4" = 1'-0"



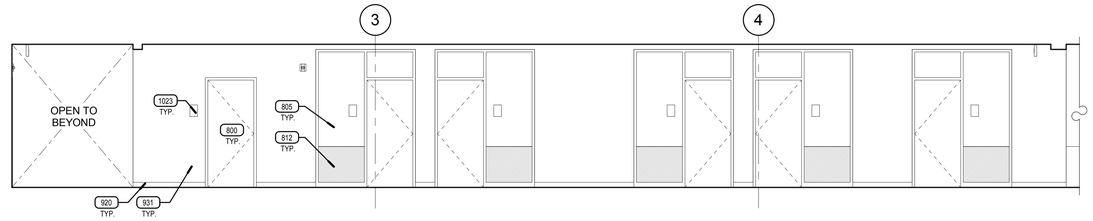
D5 CIRC 155 SOUTH

SCALE: 1/4" = 1'-0"



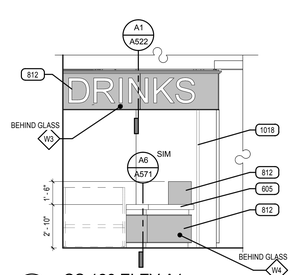
B2 CONCESSIONS- AXON

SCALE:



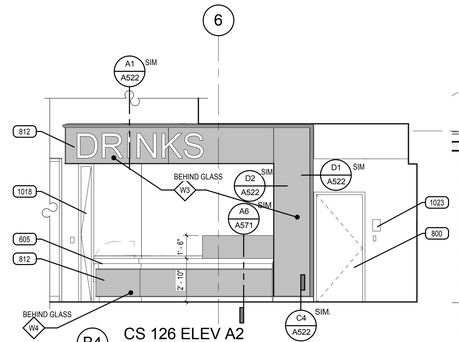
C5 CIRC 155 NORTH

SCALE: 1/4" = 1'-0"



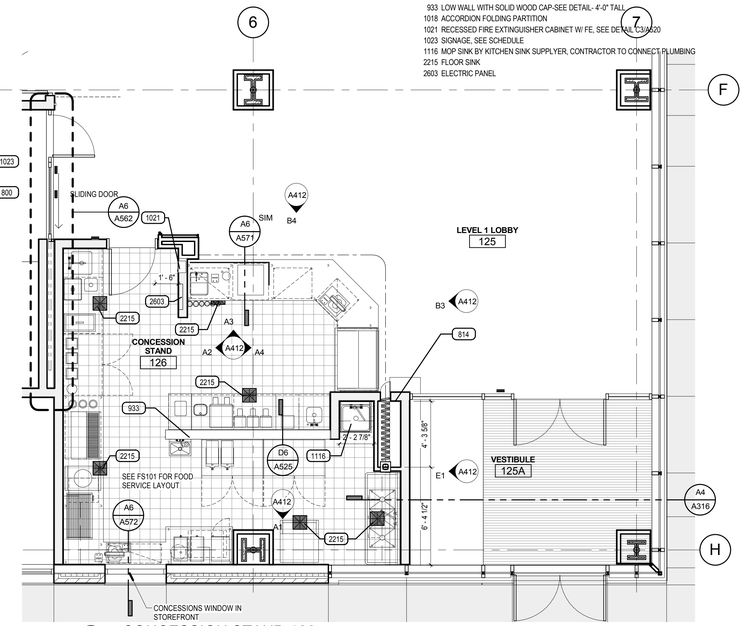
B3 CS 126 ELEV A1

SCALE: 1/4" = 1'-0"



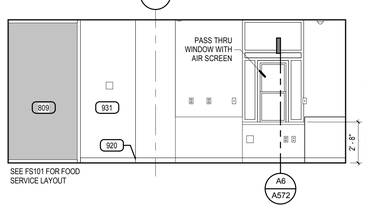
B4 CS 126 ELEV A2

SCALE: 1/4" = 1'-0"



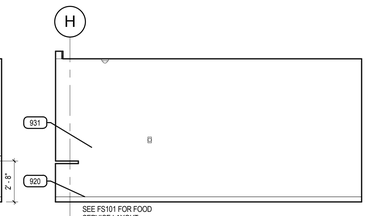
A5 CONCESSION STAND 126

SCALE: 1/4" = 1'-0"



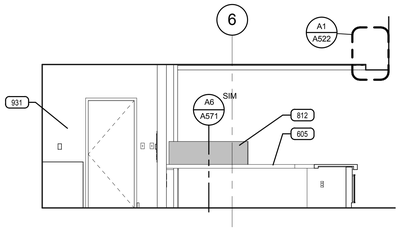
A1 CS 126 ELEV B2

SCALE: 1/4" = 1'-0"



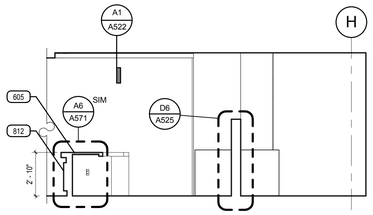
A2 CS 126 ELEV C3

SCALE: 1/4" = 1'-0"



A3 CS 126 ELEV C5

SCALE: 1/4" = 1'-0"



A4 CS 126 ELEV C6

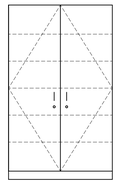
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP. TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE. TO MATCH COUNTERTOP. ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS. TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES. INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
612 SOLID SURFACE COUNTERTOP
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
809 CURTAIN WALL SYSTEM
811 ACCESSIBLE DOOR ACTIVATOR
812 SEMI-OPAQUE ETCHED GLAZING
814 SIDE FOLDING GRILL AND DOOR
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
933 LOW WALL WITH SOLID WOOD CAP-SEE DETAIL- 4'-0" TALL
1018 ACCORDION FOLDING PARTITION
1021 RECESSED FIRE EXTINGUISHER CABINET W/ FE, SEE DETAIL C3/A520
1023 SIGNAGE, SEE SCHEDULE
1116 MOP SINK BY KITCHEN SINK SUPPLYER, CONTRACTOR TO CONNECT PLUMBING
2215 FLOOR SINK
2603 ELECTRIC PANEL

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

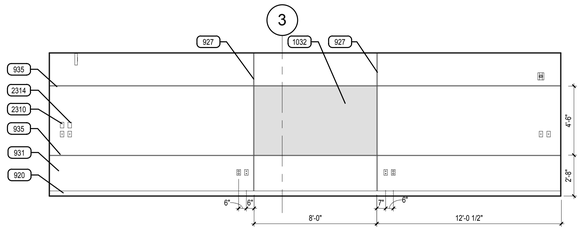
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 1

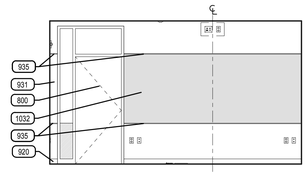
A412

Sheet Number

12/6/2010 3:54:43 PM



E2 CONFERENCE 162 NORTH
SCALE: 1/4" = 1'-0"



E3 CONFERENCE 162 EAST
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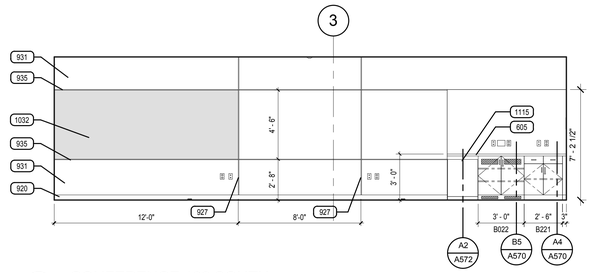

E4 CONFERENCE 162 SOUTH
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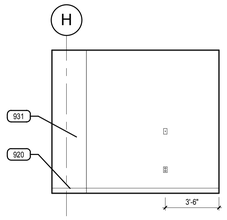
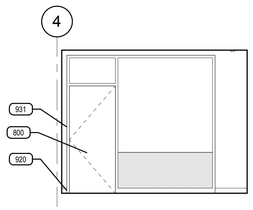
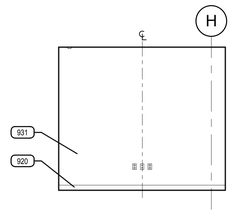


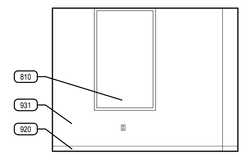
D2 TYPICAL OFFICE WEST
SCALE: 1/4" = 1'-0"



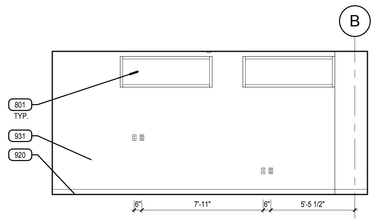
D3 TYPICAL OFFICE NORTH
SCALE: 1/4" = 1'-0"



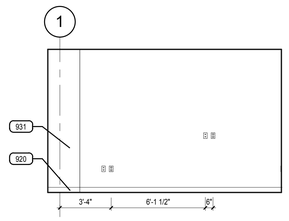
D4 TYPICAL OFFICE EAST
SCALE: 1/4" = 1'-0"



D5 TYPICAL OFFICE SOUTH
SCALE: 1/4" = 1'-0"



C2 OPEN OFFICE 195 WEST
SCALE: 1/4" = 1'-0"



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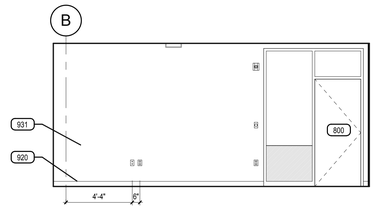
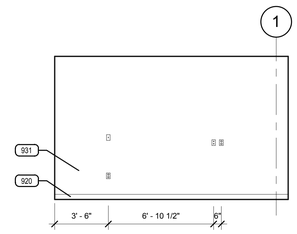
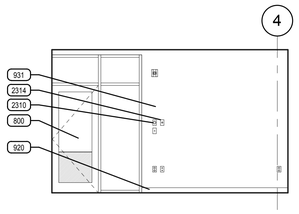


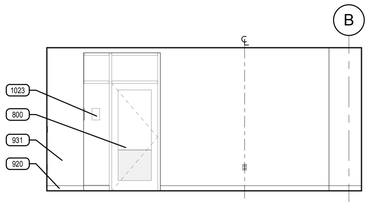
C4 OPEN OFFICE 195 EAST
SCALE: 1/4" = 1'-0"



C5 OPEN OFFICE 195 SOUTH
SCALE: 1/4" = 1'-0"



B1 WELCOME ROOM 181 SOUTH
SCALE: 1/4" = 1'-0"



B2 WELCOME ROOM 181 WEST
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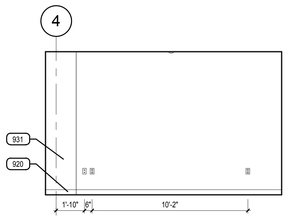
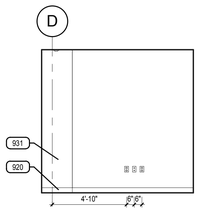
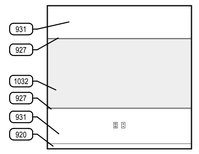


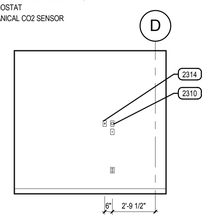
B3 WELCOME ROOM 181 NORTH
SCALE: 1/4" = 1'-0"



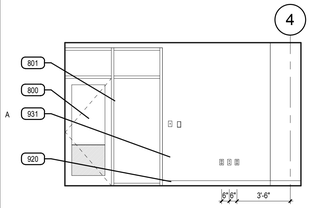
B4 SMALL MEETING 167 WEST
SCALE: 1/4" = 1'-0"



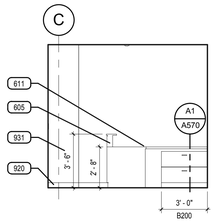
B5 SMALL MEETING 167 NORTH
SCALE: 1/4" = 1'-0"



B6 SMALL MEETING 167 EAST
SCALE: 1/4" = 1'-0"



A1 ADMIN 182 SOUTH
SCALE: 1/4" = 1'-0"



A2 ADMIN 182 WEST
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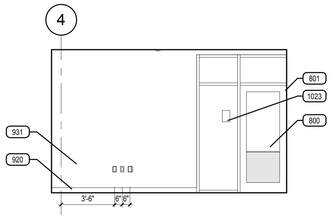
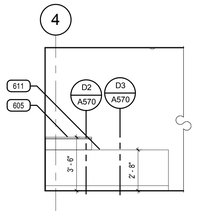
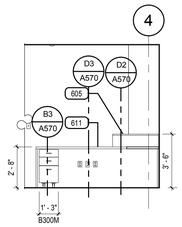


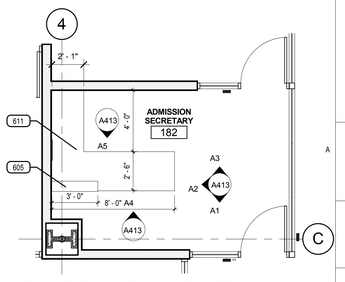
A3 ADMIN 182 NORTH
SCALE: 1/4" = 1'-0"



A4 ADMIN 182 DESK 01
SCALE: 1/4" = 1'-0"



A5 ADMIN 182 DESK 02
SCALE: 1/4" = 1'-0"



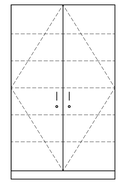
A6 ADMISSION SECRETARY 182
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
611 PLASTIC LAMINATE COUNTERTOP
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
810 STOREFRONT SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1115 UNDER CABINET REFRIGERATOR, NIC
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR

VCBO ARCHITECTURE
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 1

A413
Sheet Number

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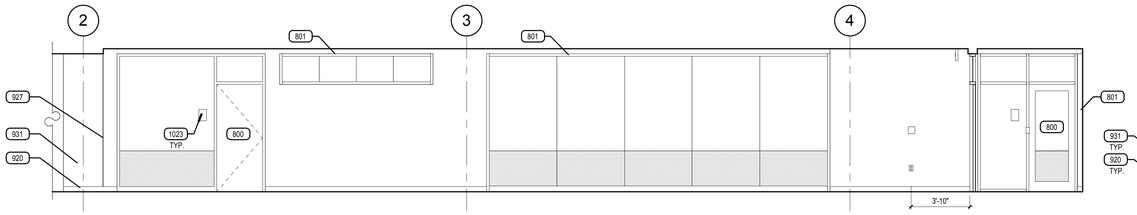
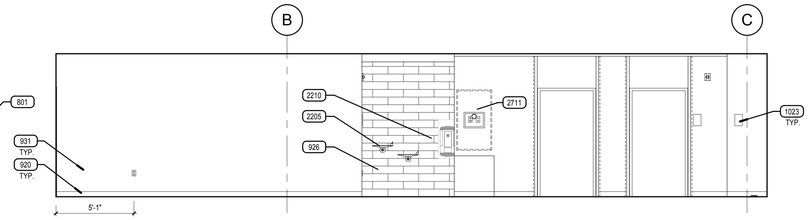


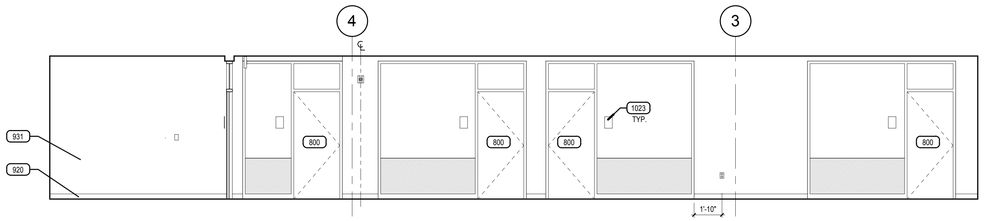
E1 CIRCULATION HALLWAY 161A NORTH ELEVATION

SCALE: 1/4" = 1'-0"



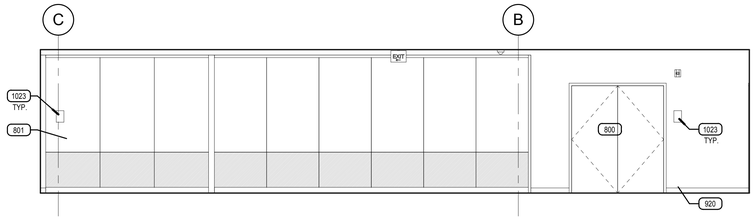
E5 CIRCULATION 127 HALLWAY EAST

SCALE: 1/4" = 1'-0"



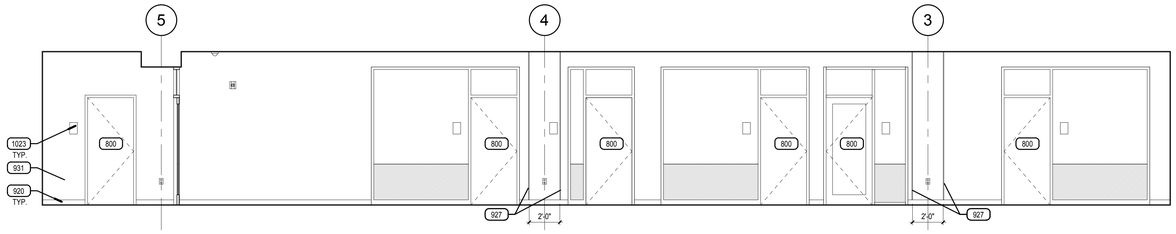
D1 CIRCULATION HALLWAY 157 SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



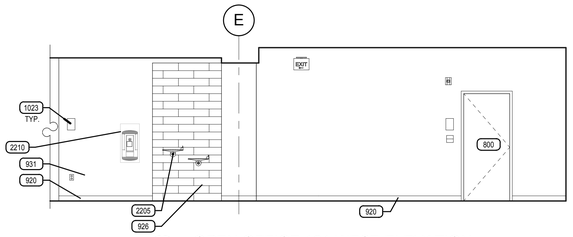
D5 CIRC127 HALLWAY WEST

SCALE: 1/4" = 1'-0"



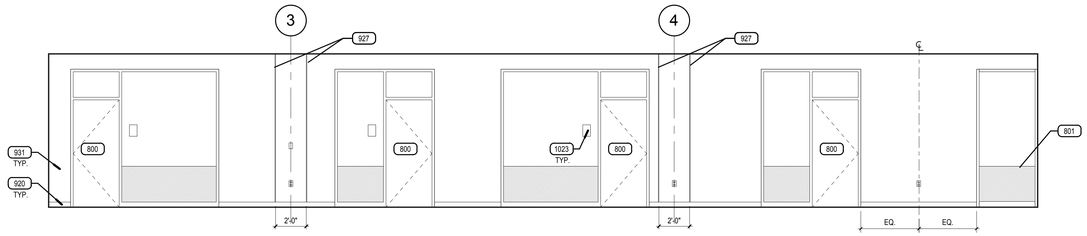
C1 OPEN OFFICE 161 SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



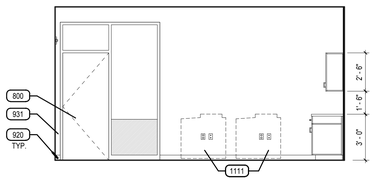
C4 OPEN OFFICE 161 WEST ELEVATION

SCALE: 1/4" = 1'-0"



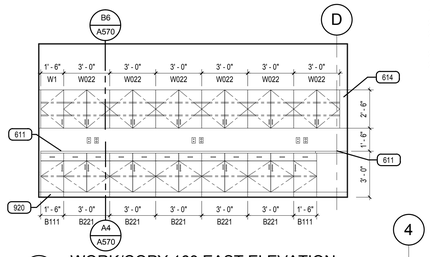
B1 OPEN OFFICE 161 NORTH ELEVATION

SCALE: 1/4" = 1'-0"



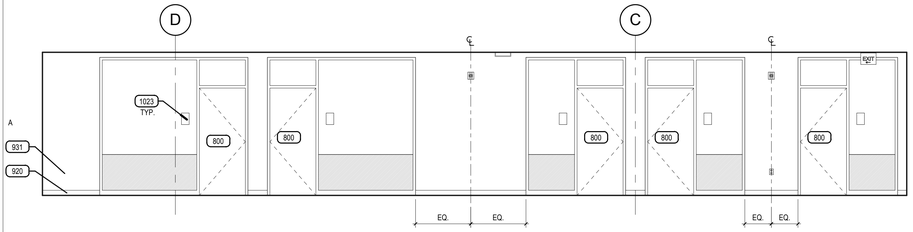
B4 WORK/COPY 163 NORTH ELEVATION

SCALE: 1/4" = 1'-0"



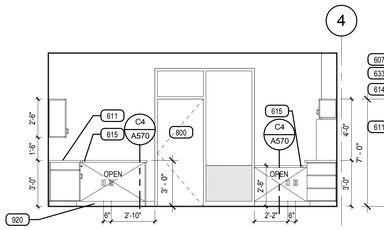
B5 WORK/COPY 163 EAST ELEVATION

SCALE: 1/4" = 1'-0"



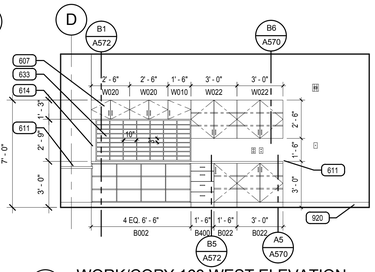
A1 RECEPTION AREA 173 HALLWAY

SCALE: 1/4" = 1'-0"



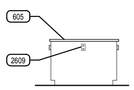
A3 WORK/COPY 163 SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



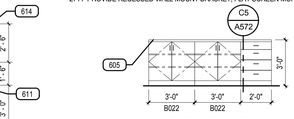
A4 WORK/COPY 163 WEST ELEVATION

SCALE: 1/4" = 1'-0"



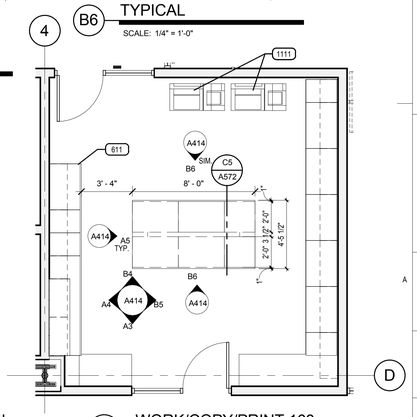
A5 ISLAND- SIDE ELEVATION

SCALE: 1/4" = 1'-0"



B6 ISLAND ELEVATION, TYPICAL

SCALE: 1/4" = 1'-0"

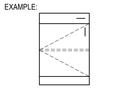


A6 WORK/COPY/PRINT 163

SCALE: 1/4" = 1'-0"

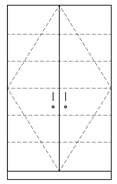
ARCHITECTURAL MILLWORK KEY

EXAMPLE:



B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR ($) / DRAWER ($)
F	DENOTES FILE DRAWER ($)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP. TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE. UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS. TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP. PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
611 PLASTIC LAMINATE COUNTERTOP
614 FILLER PANEL
615 GROMMETS
633 WALL MOUNTED MAIL SLOTS WITH BLOCKING, SEE DETAIL B1/A572
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
920 SCHEDULED BASE
926 6X24 PORCELAIN TILE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
1023 SIGNAGE, SEE SCHEDULE
1111 COPIER, NIC
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2210 ELECTRIC WATER BOTTLE FILLER UNIT (SHARES REMOTE CHILLER WITH ADJACENT ELECTRIC WATER COOLER)
2609 POWER OUTLET
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC

VCBO ARCHITECTURE
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

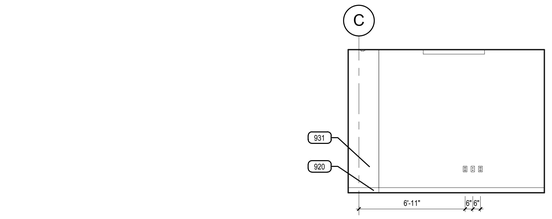
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 1

A414

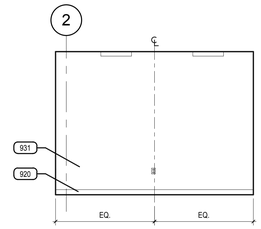
Sheet Number

12/6/2010 3:55:47 PM



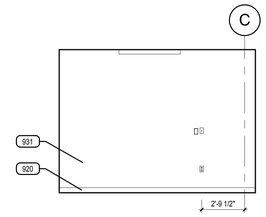
E2 DIR. OFF. 194 WEST

SCALE: 1/4" = 1'-0"



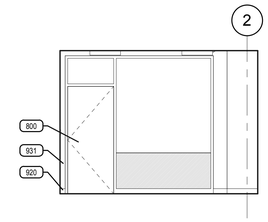
E3 DIR. OFF. 194 NORTH

SCALE: 1/4" = 1'-0"



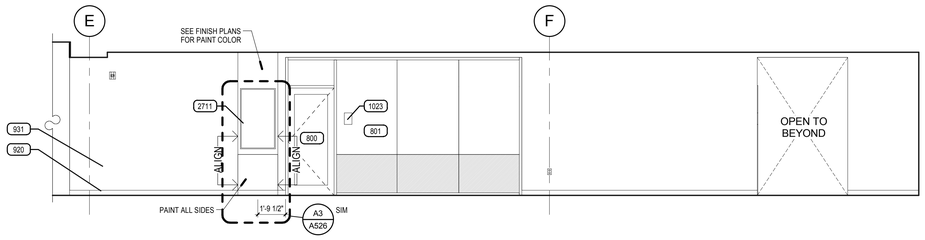
E4 DIR. OFF. 194 EAST

SCALE: 1/4" = 1'-0"



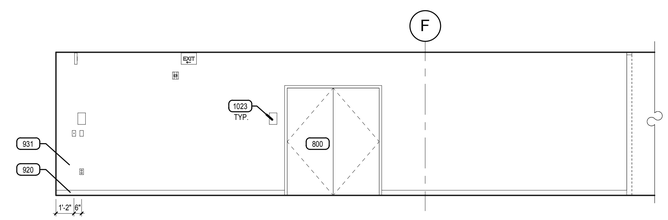
E5 DIR. OFF. 194 SOUTH

SCALE: 1/4" = 1'-0"



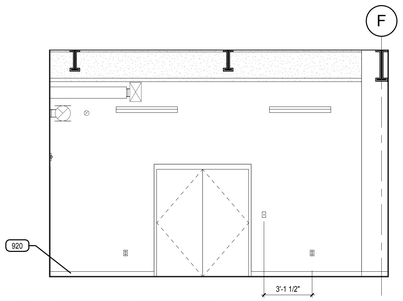
D2 CIRCULATION 155 EAST

SCALE: 1/4" = 1'-0"



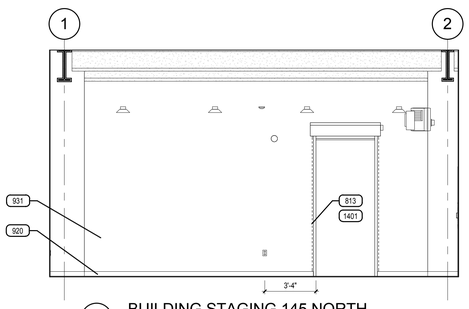
D5 CIRCULATION 155 WEST

SCALE: 1/4" = 1'-0"



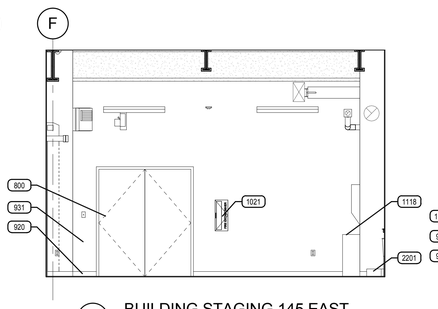
C1 BUILDING STAGING 145 WEST

SCALE: 1/4" = 1'-0"



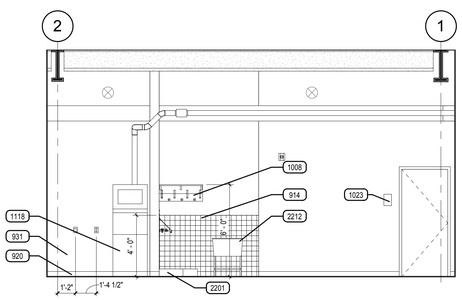
C2 BUILDING STAGING 145 NORTH

SCALE: 1/4" = 1'-0"



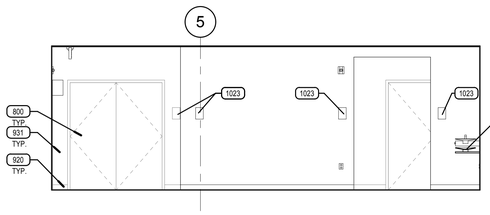
C3 BUILDING STAGING 145 EAST

SCALE: 1/4" = 1'-0"



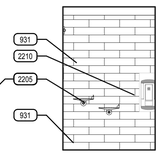
C5 BUILDING STAGING 145 SOUTH

SCALE: 1/4" = 1'-0"



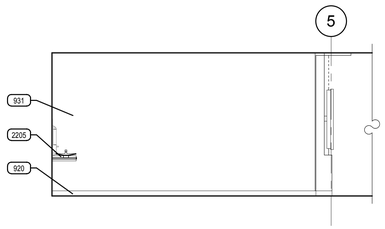
B1 CIRCULATION 127 NORTH

SCALE: 1/4" = 1'-0"



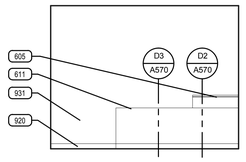
B2 CIRCULATION 127 EAST

SCALE: 1/4" = 1'-0"



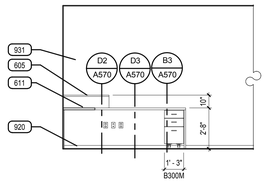
B3 CIRCULATION 127 WEST

SCALE: 1/4" = 1'-0"



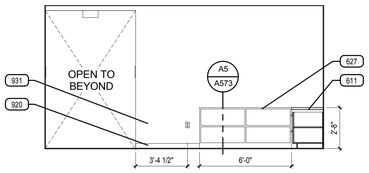
B4 RECEPTION 130 DESK 01

SCALE: 1/4" = 1'-0"



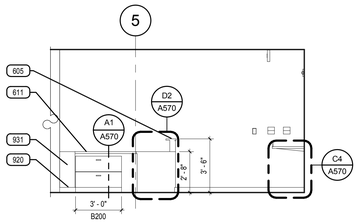
B5 RECEPTION 130 DESK 02

SCALE: 1/4" = 1'-0"



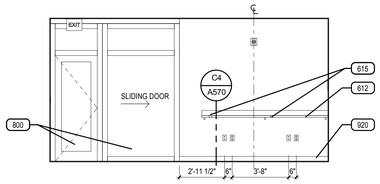
A3 RECEPTION 130 WEST

SCALE: 1/4" = 1'-0"



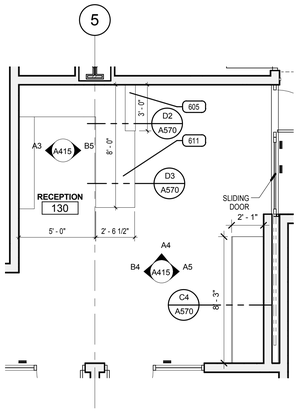
A4 RECEPTION 130 NORTH

SCALE: 1/4" = 1'-0"



A5 RECEPTION 130 EAST

SCALE: 1/4" = 1'-0"



A6 RECEPTION 130

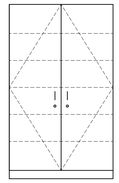
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE. TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC… NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
611 PLASTIC LAMINATE COUNTERTOP
612 SOLID SURFACE COUNTERTOP
615 GROMMETS
627 OPEN BOOK SHELF
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM, SEE DETAIL C2/A541
914 CERAMIC WALL TILE.
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
1008 MOP RACK
1021 RECESSED FIRE EXTINGUISHER CABINET W/ FE, SEE DETAIL C3/A520
1023 SIGNAGE, SEE SCHEDULE
1118 WASHER AND DRYER, NIC, CONTRACTOR TO CONNECT PLUMBING
1401 ELEVATORS
2201 JANITOR'S FLOOR SINK AND FAUCET
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2210 ELECTRIC WATER BOTTLE FILLER UNIT (SHARES REMOTE CHILLER WITH ADJACENT ELECTRIC WATER COOLER)
2212 UTILITY SINK AND FAUCET
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2803 FIRE DETECTION AND ALARM

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DIXIE STATE COLLEGE OF UTAH
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DIXIE COLLEGE, ST. GEORGE, UT
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No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
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ENLARGED PLANS & ELEVATIONS LEVEL 1

A415

Sheet Number

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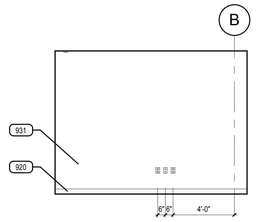

E2 OFFICE 185 WEST
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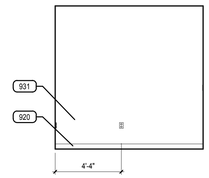

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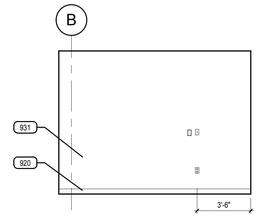

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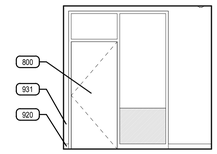

E5 OFFICE 185 SOUTH
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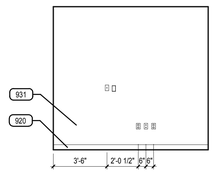

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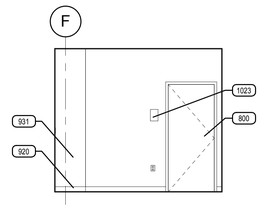

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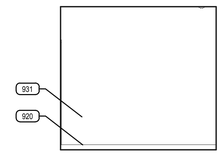

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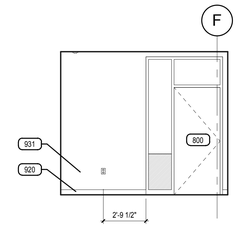
SCALE: 1/4" = 1'-0"



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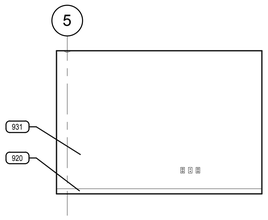
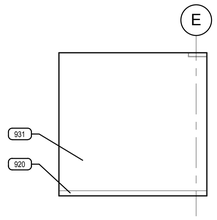


C2 OFFICE (SECURE) 152 SOUTH
SCALE: 1/4" = 1'-0"



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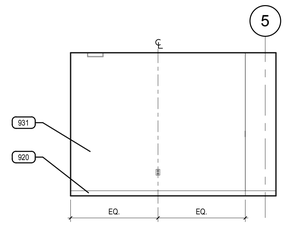
SCALE: 1/4" = 1'-0"



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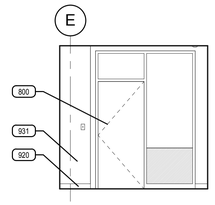

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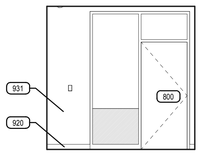
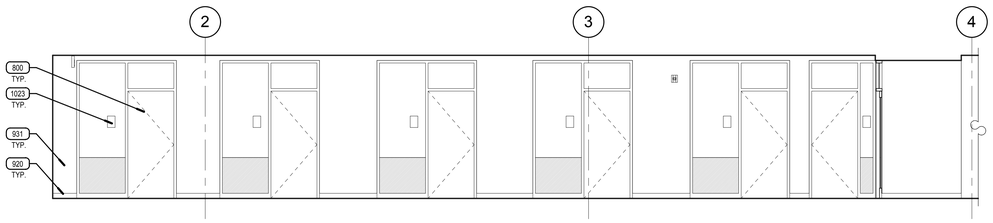
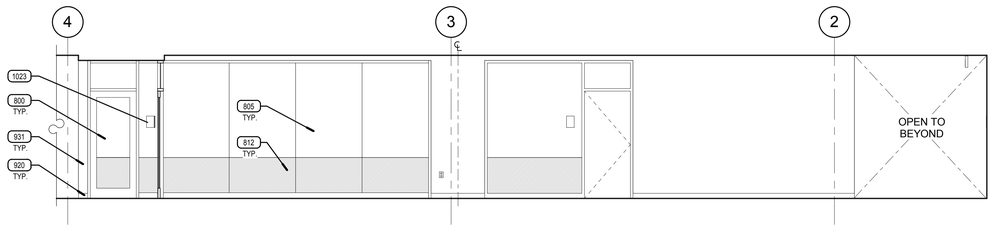
SCALE: 1/4" = 1'-0"



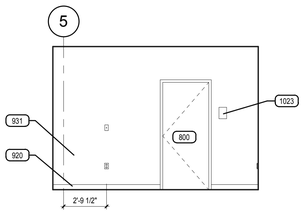
B1 WORK ROOM 153 EAST
SCALE: 1/4" = 1'-0"



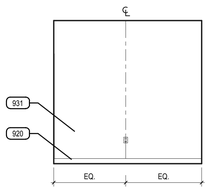
B3 CIRC 161B NORTH
SCALE: 1/4" = 1'-0"



B6 CIRC 161B SOUTH
SCALE: 1/4" = 1'-0"



A1 WORK ROOM 153 SOUTH
SCALE: 1/4" = 1'-0"



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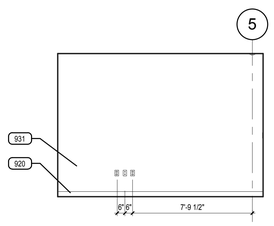

A3 WORK ROOM 153 NORTH
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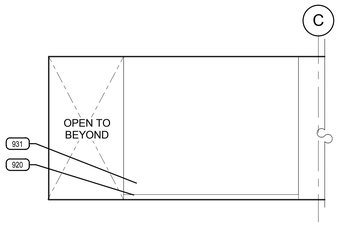

A4 CIRC 161 B EAST
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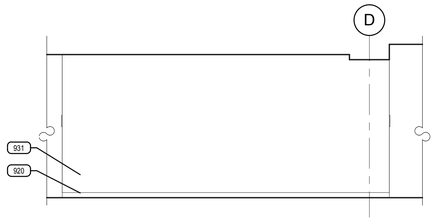
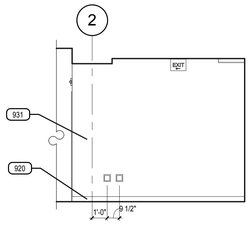


A5 REC. AREA 173 EAST
SCALE: 1/4" = 1'-0"



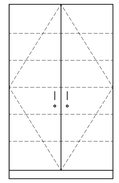
A6 REC. AREA 173 SOUTH
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE. TO MATCH COUNTERTOP. ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC… NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

800 DOOR & FRAME
805 GLAZING
812 SEMI-OPAQUE ETCHED GLAZING
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
1023 SIGNAGE, SEE SCHEDULE

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SASAKI

STATE OF UTAH
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
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ENLARGED PLANS & ELEVATIONS LEVEL 1

A416
Sheet Number

12/6/2010 3:56:56 PM

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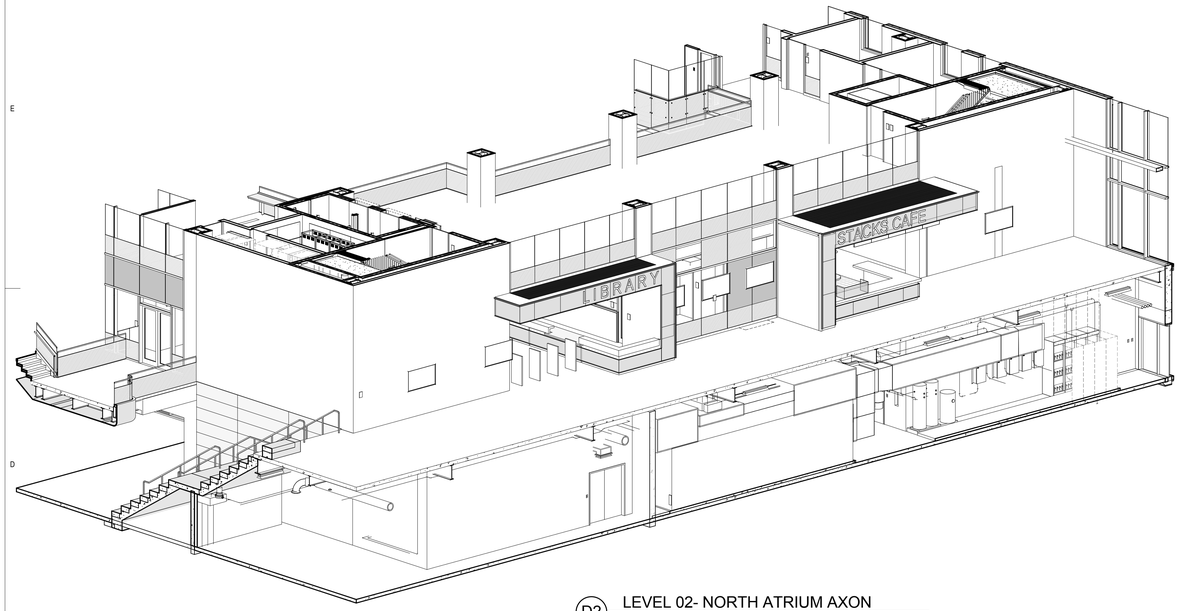
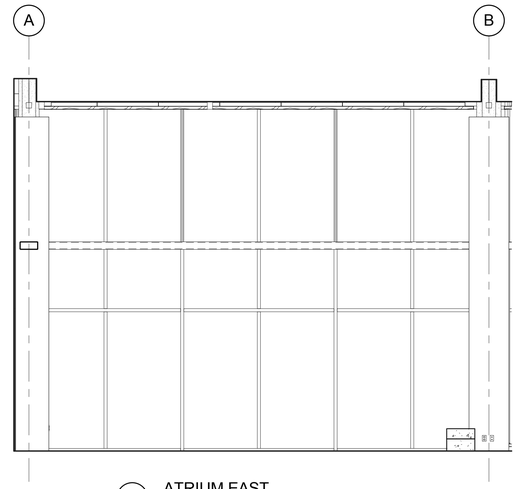
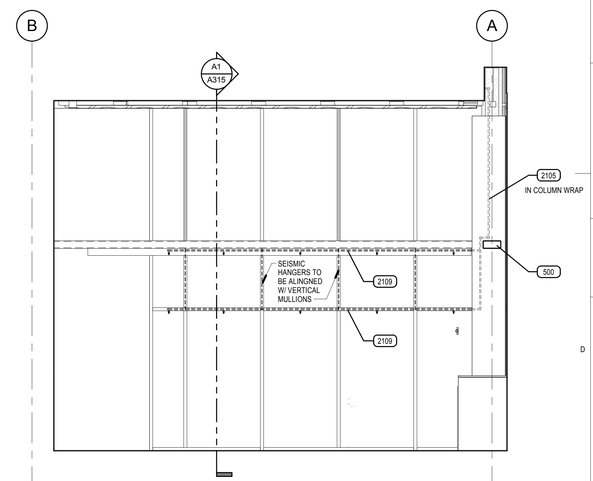
500 STEEL TUBE PAINTED WHERE EXPOSED
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
2105 FIRE SPRINKLER PIPING
2109 STAINLESS STEEL WELDED FIRE SPRINKLER PIPING W/ STAINLESS STEEL SEISMIC HANGERS & HARDWARE FOR DELUGE SYSTEM



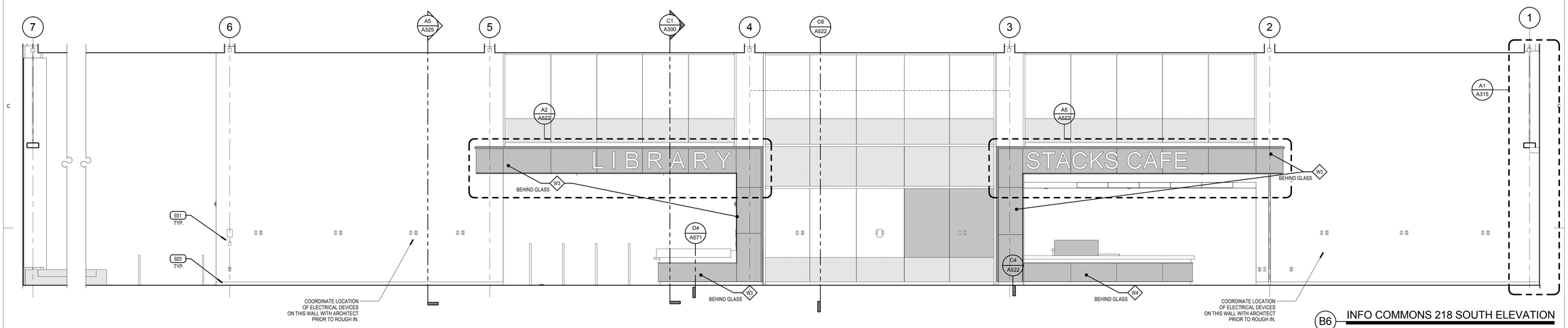
D2 LEVEL 02- NORTH ATRIUM AXON
SCALE:



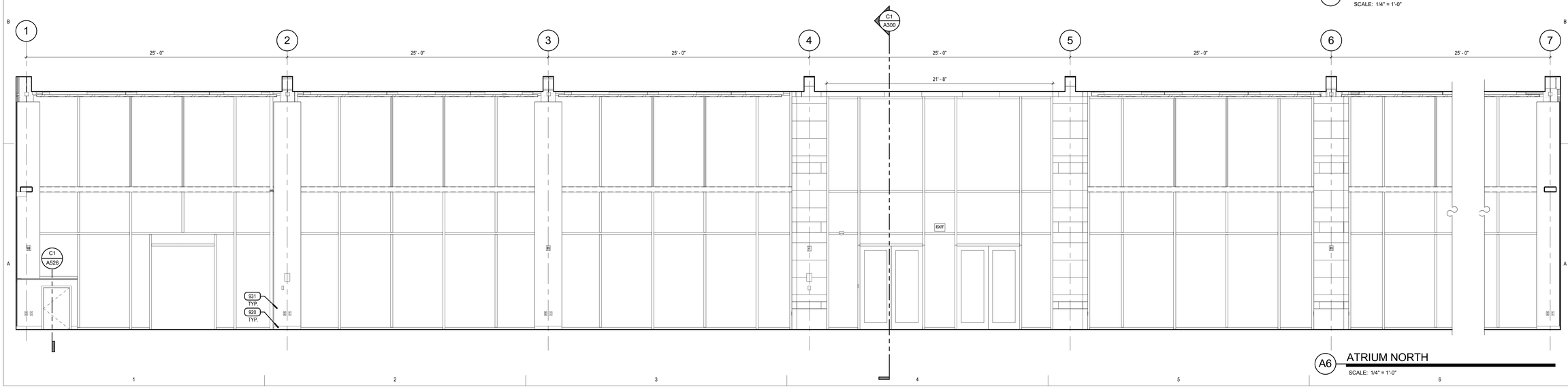
D4 ATRIUM EAST
SCALE: 1/4" = 1'-0"



D5 ATRIUM WEST
SCALE: 1/4" = 1'-0"



B6 INFO COMMONS 218 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



A6 ATRIUM NORTH
SCALE: 1/4" = 1'-0"

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DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

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Job # 09625
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Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 2

A420
Sheet Number

12/6/2010 3:57:20 PM

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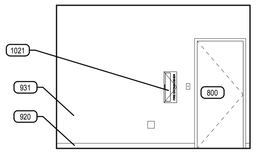
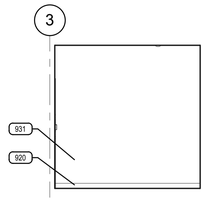
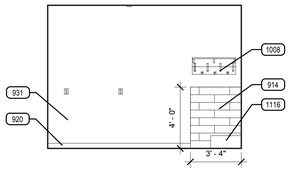
500 STEEL TUBE PAINTED WHERE EXPOSED
605 QUARTZ COUNTERTOP
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
608 WALL MOUNTED TALL CABINET WITH BLOCKING
614 FILLER PANEL
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
812 SEMI-OPAQUE ETCHED GLAZING
814 SIDE FOLDING GRILL AND DOOR
911 PAINTED GYPSUM BOARD
914 CERAMIC WALL TILE
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
933 LOW WALL WITH SOLID WOOD CAP-SEE DETAIL- 4'-0" TALL
936 SUSPENDED METAL CEILING SYSTEM
1008 MOP RACK
1018 ACCORDION FOLDING PARTITION
1021 RECESSED FIRE EXTINGUISHER CABINET W/ FE, SEE DETAIL C3/A520
1116 MOP SINK BY KITCHEN SINK SUPPLYER, CONTRACTOR TO CONNECT PLUMBING
2215 FLOOR SINK



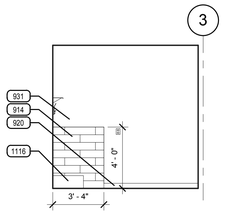
E2 STORAGE 247A E2
SCALE: 1/4" = 1'-0"



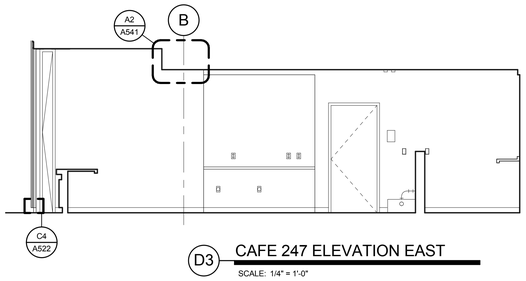
E3 STORAGE 247A E3
SCALE: 1/4" = 1'-0"



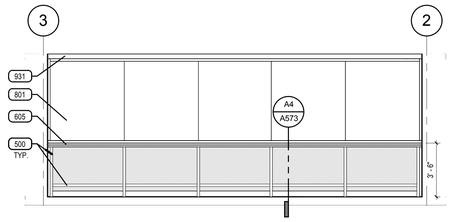
E4 STORAGE 247A E4
SCALE: 1/4" = 1'-0"



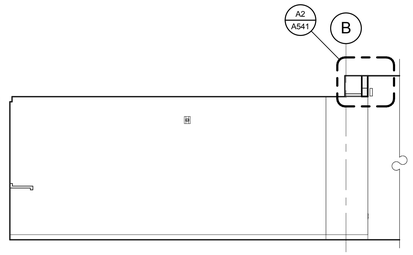
E5 STORAGE 247A E5
SCALE: 1/4" = 1'-0"



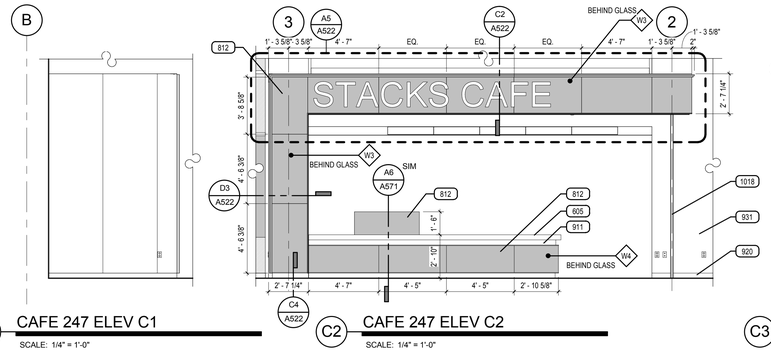
D3 CAFE 247 ELEVATION EAST
SCALE: 1/4" = 1'-0"



D4 CAFE 247 ELEVATION SOUTH
SCALE: 1/4" = 1'-0"

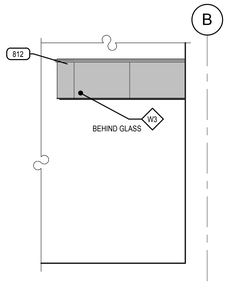


D6 CAFE 247 ELEVATION WEST
SCALE: 1/4" = 1'-0"

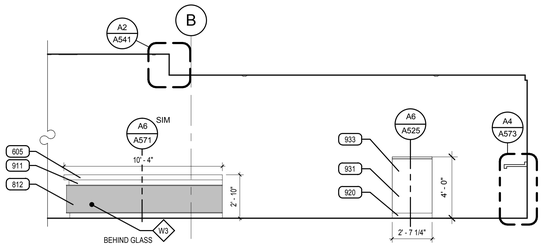


C1 CAFE 247 ELEV C1
SCALE: 1/4" = 1'-0"

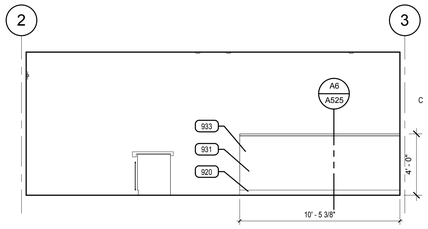
C2 CAFE 247 ELEV C2
SCALE: 1/4" = 1'-0"



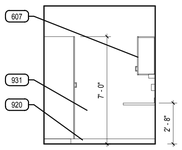
C3 CAFE 247 ELEV C3
SCALE: 1/4" = 1'-0"



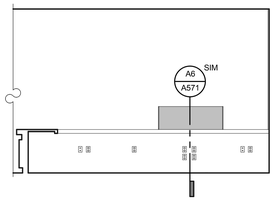
C5 CAFE 247 ELEV C5
SCALE: 1/4" = 1'-0"



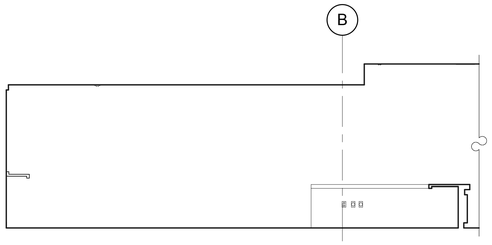
C6 CAFE 247 ELEV C6
SCALE: 1/4" = 1'-0"



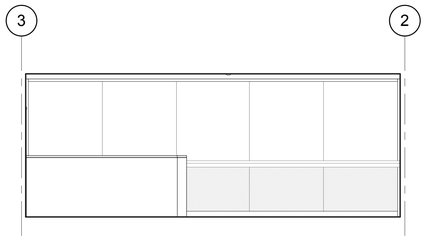
B1 STORAGE 248A WEST
SCALE: 1/4" = 1'-0"



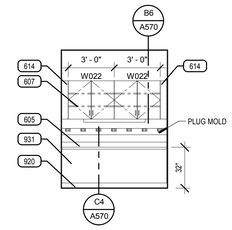
B2 CAFE 247 ELEV B1
SCALE: 1/4" = 1'-0"



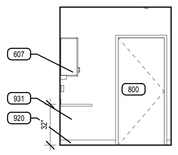
B3 CAFE 247 ELEV B2
SCALE: 1/4" = 1'-0"



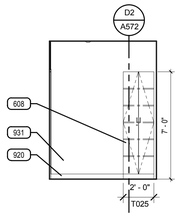
B4 CAFE 247 ELEV B4
SCALE: 1/4" = 1'-0"



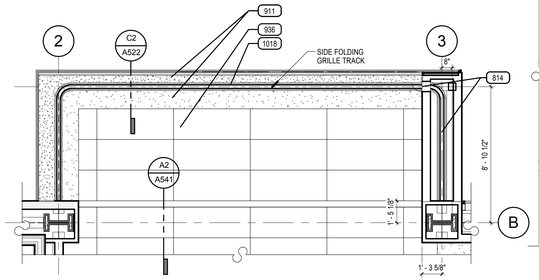
A1 STORAGE 248A NORTH
SCALE: 1/4" = 1'-0"



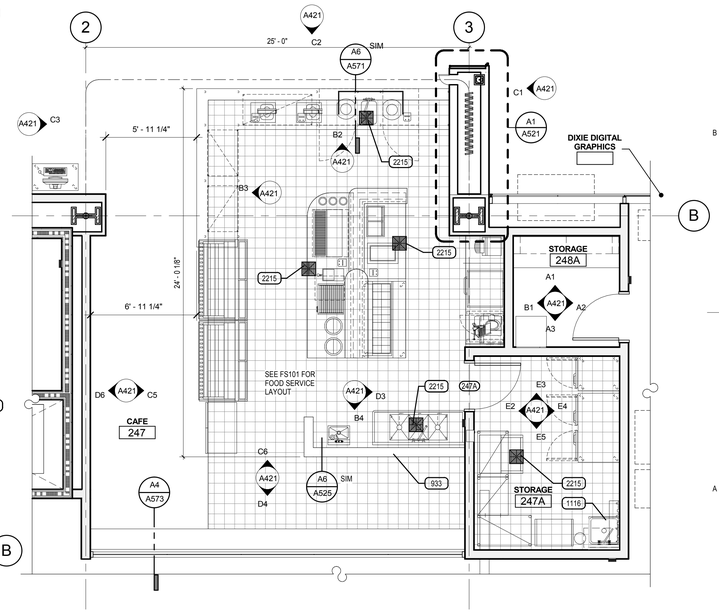
A2 STORAGE 248A EAST
SCALE: 1/4" = 1'-0"



A3 STORAGE 248A SOUTH
SCALE: 1/4" = 1'-0"



A4 RCP- ENLARGED AT CAFE 247
SCALE: 1/4" = 1'-0"



A6 CAFE 247 ENLARGED PLAN
SCALE: 1/4" = 1'-0"

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DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

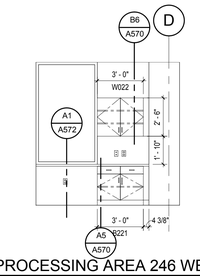
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 2

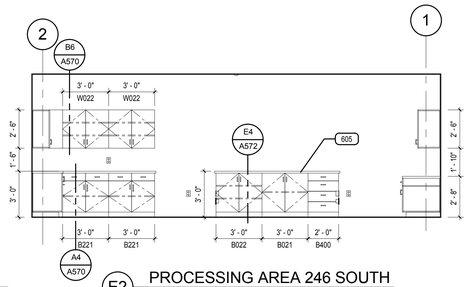
A421
Sheet Number

12/6/2010 3:57:57 PM



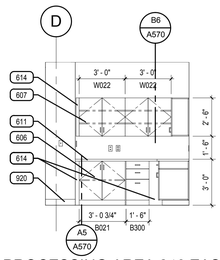
E1 PROCESSING AREA 246 WEST

SCALE: 1/4" = 1'-0"



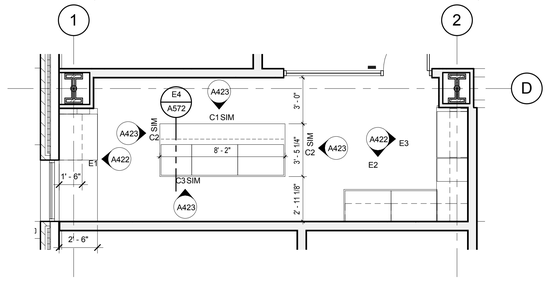
E2 PROCESSING AREA 246 SOUTH

SCALE: 1/4" = 1'-0"



E3 PROCESSING AREA 246 EAST

SCALE: 1/4" = 1'-0"



E4 PROCESSING AREA 246 ENLARGED PLAN

SCALE: 1/4" = 1'-0"

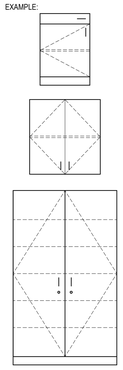
KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

603 3/4" FIRE TREATED PLYWOOD BACKING @ PANELS
605 QUARTZ COUNTERTOP
606 WALL MOUNTED BASE CABINET WITH BLOCKING
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
611 PLASTIC LAMINATE COUNTERTOP
614 FILLER PANEL
626 WOOD VENEER OVER 3/4" PLYWOOD
635 UNDER COUNTER MOUNTED LOCKABLE DRAWERS
801 ALUMINUM STOREFRONT WINDOW SYSTEM
812 SEMI-OPAQUE ETCHED GLAZING
813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM, SEE DETAIL C2/A541
817 WHITE SPANDREL GLAZING
911 PAINTED GYPSUM BOARD
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
1023 SIGNAGE, SEE SCHEDULE
1030 GLASS WHITE BOARD
1052 WALL/CORNER GUARD- STAINLESS STEEL
1105 BOOK MONITOR SYSTEM, NIC, CONTRACTOR TO COORDINATE OWNERS REQUIREMENTS
1401 ELEVATORS
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC

ARCHITECTURAL MILLWORK KEY

EXAMPLE:



B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *

T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:
- SB DENOTES SINK BASE CABINET
- TW DENOTES TALL WARDROBE CABINET
- FMD DENOTES FRAMED PERFORATED METAL PANEL DOOR
- FGD DENOTES FRAMED GLASS PANEL DOOR

** NOTE:
- L DENOTES LOCKS AT DOOR (S) / DRAWER (S)
- F DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

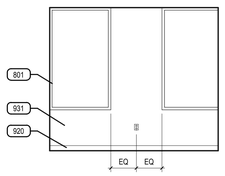
ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

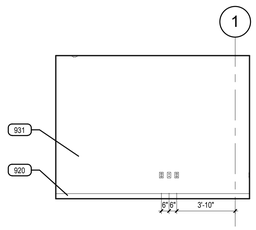
TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570



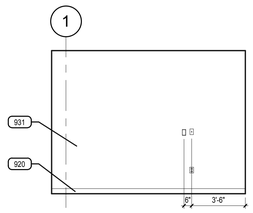
D1 REFERENCE LIBRARIAN 243 WEST

SCALE: 1/4" = 1'-0"



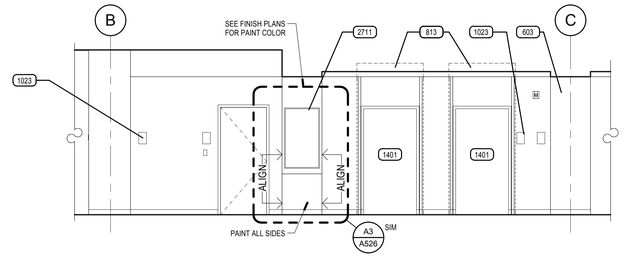
D2 REFERENCE LIBRARIAN 243 SOUTH

SCALE: 1/4" = 1'-0"



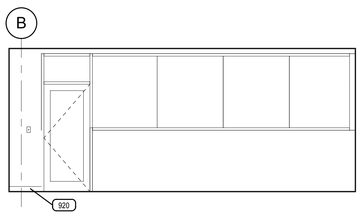
D3 REFERENCE LIBRARIAN 243 NORTH

SCALE: 1/4" = 1'-0"



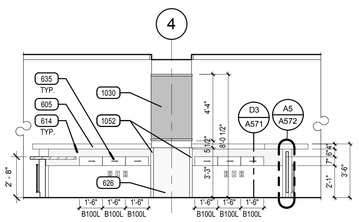
D4 ELEVATOR 203 ELEVATION

SCALE: 1/4" = 1'-0"



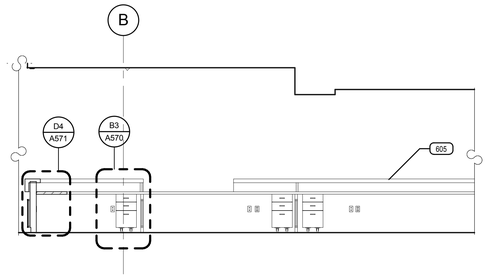
C1 HELP DESK ELEV B2

SCALE: 1/4" = 1'-0"



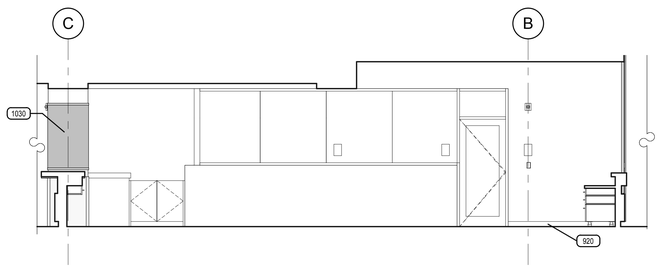
C2 HELP DESK ELEV C4

SCALE: 1/4" = 1'-0"



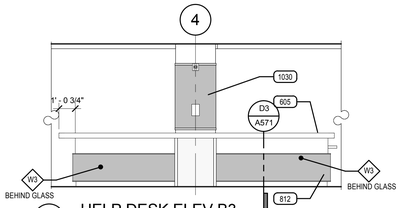
C3 HELP DESK ELEV C3

SCALE: 1/4" = 1'-0"



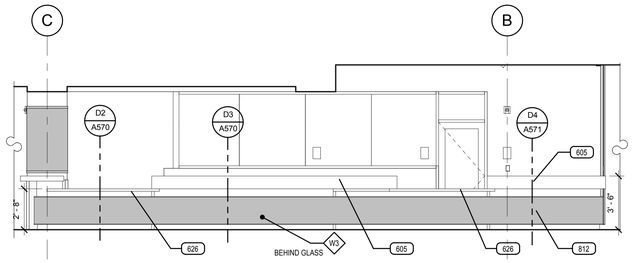
C4 HELP DESK ELEV C5

SCALE: 1/4" = 1'-0"



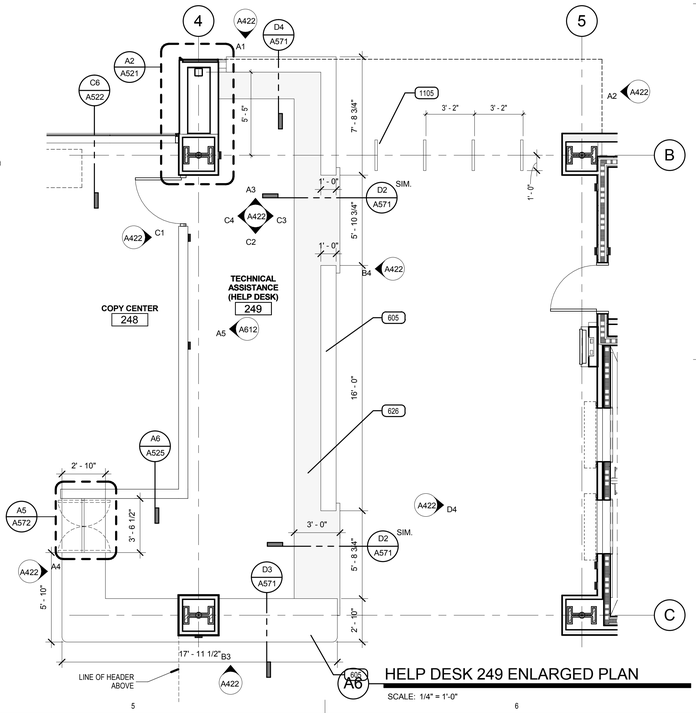
B3 HELP DESK ELEV B3

SCALE: 1/4" = 1'-0"



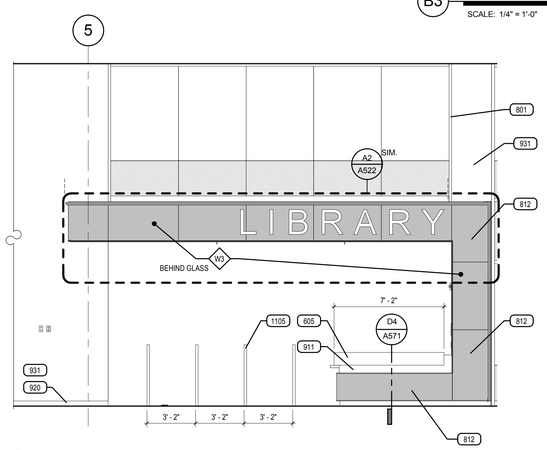
B4 HELP DESK ELEV B4

SCALE: 1/4" = 1'-0"



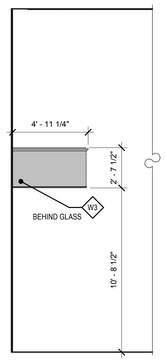
HELP DESK 249 ENLARGED PLAN

SCALE: 1/4" = 1'-0"



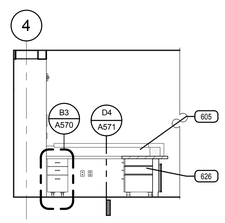
A1 HELP DESK ELEV A1

SCALE: 1/4" = 1'-0"



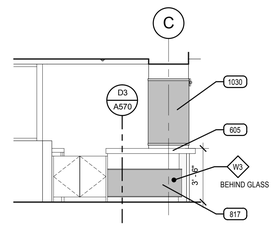
A2 HELP DESK ELEV A2

SCALE: 1/4" = 1'-0"



A3 HELP DESK ELEV A3

SCALE: 1/4" = 1'-0"



A4 HELP DESK ELEV A4

SCALE: 1/4" = 1'-0"

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DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

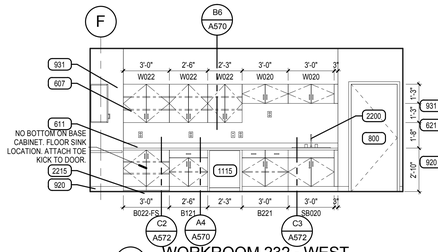
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 2

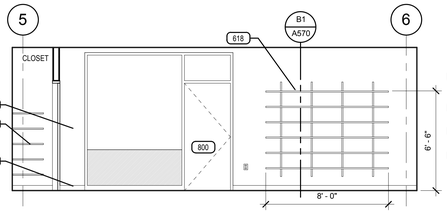
A422

Sheet Number

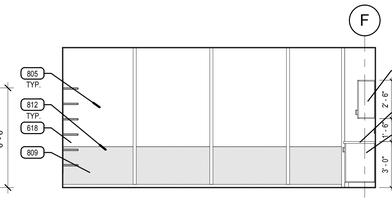
12/6/2010 3:58:33 PM



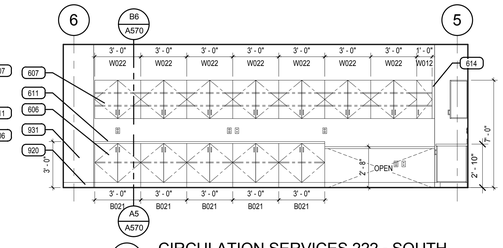
E1 WORKROOM 232 - WEST
SCALE: 1/4" = 1'-0"



E2 WORKROOM 232 NORTH
SCALE: 1/4" = 1'-0"



E3 CIRCULATION SERVICES 222- ELEV B2
SCALE: 1/4" = 1'-0"

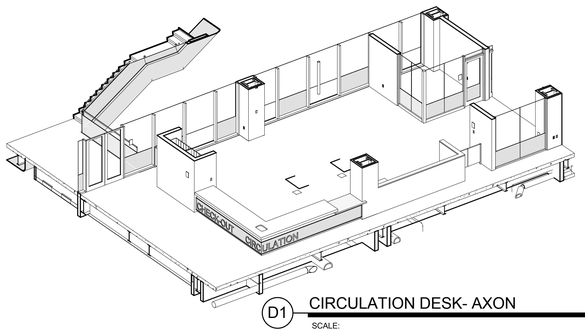


E5 CIRCULATION SERVICES 222 - SOUTH
SCALE: 1/4" = 1'-0"

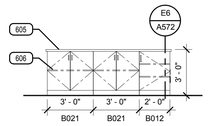
KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

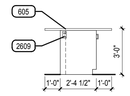
605 QUARTZ COUNTERTOP
606 WALL MOUNTED BASE CABINET WITH BLOCKING
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
611 PLASTIC LAMINATE COUNTERTOP
614 FILLER PANEL
618 12" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
621 24" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
626 WOOD VENEER OVER 3/4" PLYWOOD
630 24" ADJUSTABLE SHELVING TO UNDERSIDE OF COUNTER, SIM DETAIL B1/A570
631 MEDIA CABINET- N.I.C.
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
809 CURTAIN WALL SYSTEM
812 SEMI-OPAQUE ETCHED GLAZING
911 PAINTED GYPSUM BOARD
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
933 LOW WALL WITH SOLID WOOD CAP-SEE DETAIL- 4'-0" TALL
1111 COPIER, NIC
1115 UNDER CABINET REFRIGERATOR, NIC
2200 SINK AND FAUCET
2215 FLOOR SINK
2604 PROVIDE POWER IN MILLWORK
2609 POWER OUTLET



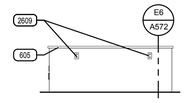
D1 CIRCULATION DESK- AXON
SCALE:



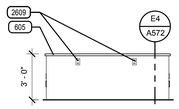
D2 RM 232 ISLAND 1 ELEV NORTH
SCALE: 1/4" = 1'-0"



D3 RM 232 ISLAND 1 ELEV EAST
SCALE: 1/4" = 1'-0"



D4 RM 232 ISLAND 1 ELEV SOUTH
SCALE: 1/4" = 1'-0"



C1 RM 232 ISLAND 2 ELEV NORTH
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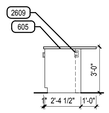

C2 RM 232 ISLAND 2 ELEV EAST
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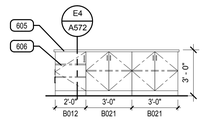
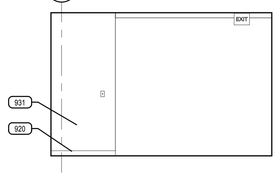


C3 RM 232 ISLAND 2 ELEV SOUTH
SCALE: 1/4" = 1'-0"



C4 CIRC. PARA PROFESSIONAL 223 NORTH
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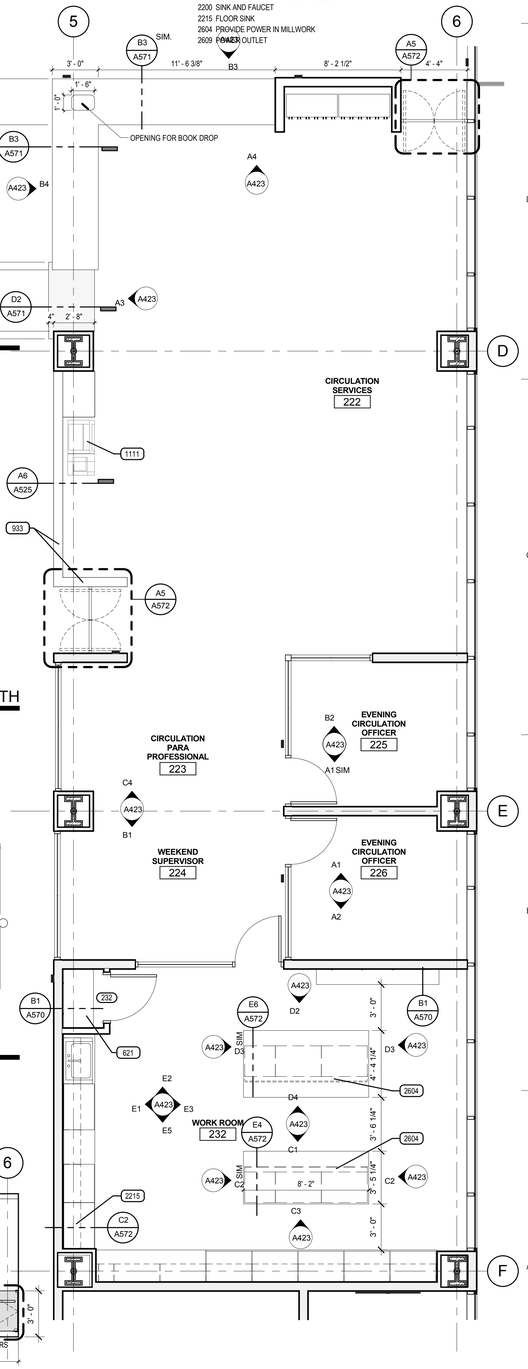

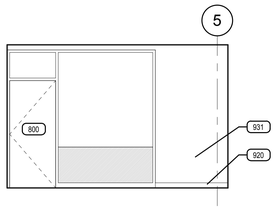

B1 WEEKEND SUPERVISOR 224 SOUTH
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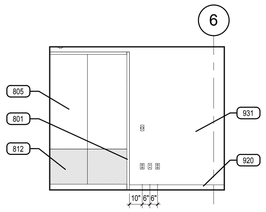
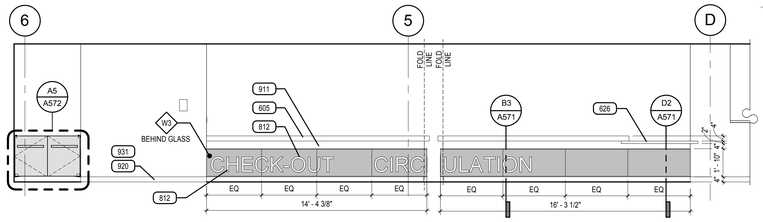
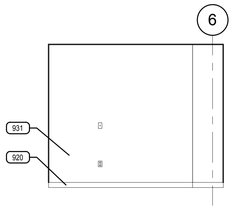


B2 EV. CIRC. OFFICER 225 NORTH
SCALE: 1/4" = 1'-0"



B3 CIRCULATION SERVICES 222 - NORTH
SCALE: 1/4" = 1'-0"

B4 CIRCULATION SERVICES 222 - WEST
SCALE: 1/4" = 1'-0"



A1 EVENING CIRC. OFFICER 226 NORTH
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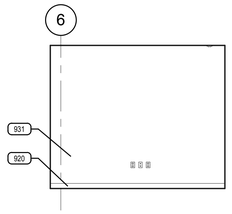
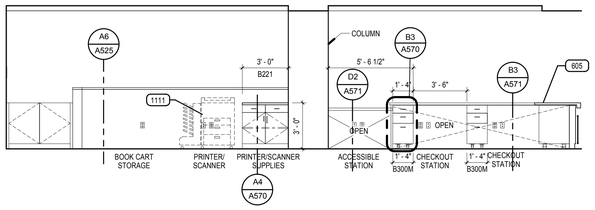


A2 EVENING CIRC. OFFICER 226 SOUTH
SCALE: 1/4" = 1'-0"



A3 CIRCULATION SERVICES 222 - EAST
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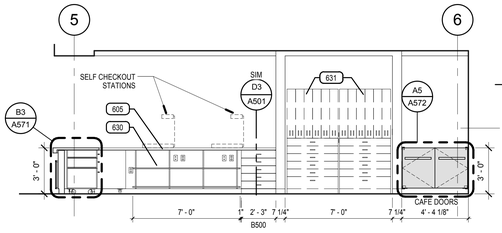


A4 CIRCULATION SERVICES 222 - SOUTH
SCALE: 1/4" = 1'-0"

A5 ENLARGED PLAN 222_CIRCULATION SERVICES
SCALE: 1/4" = 1'-0"

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #062976 40
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

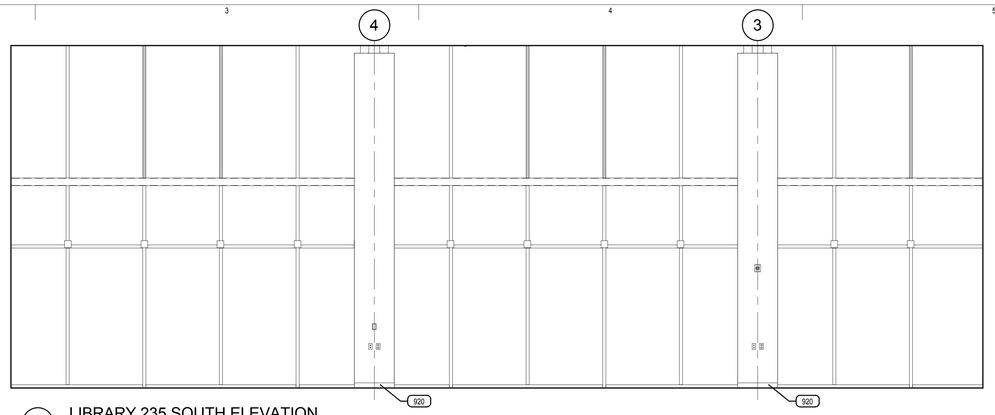
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 2

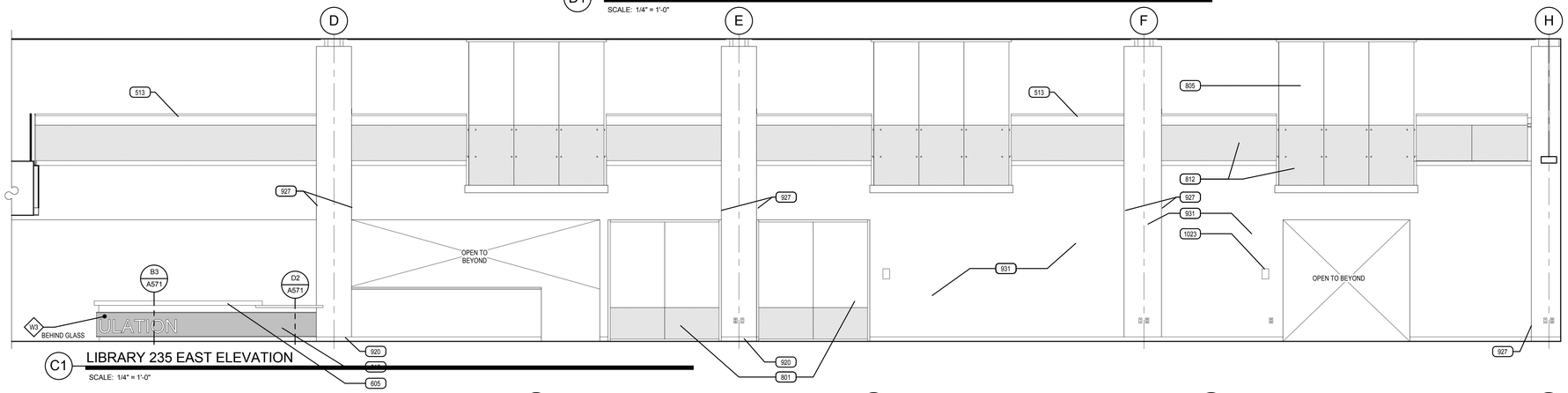
A423
Sheet Number

12/6/2010 3:59:10 PM



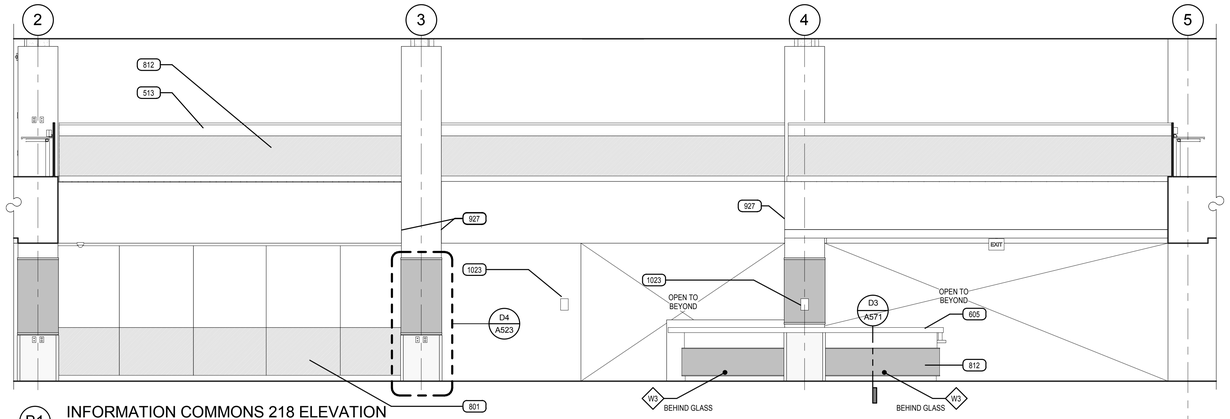
D1 LIBRARY 235 SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



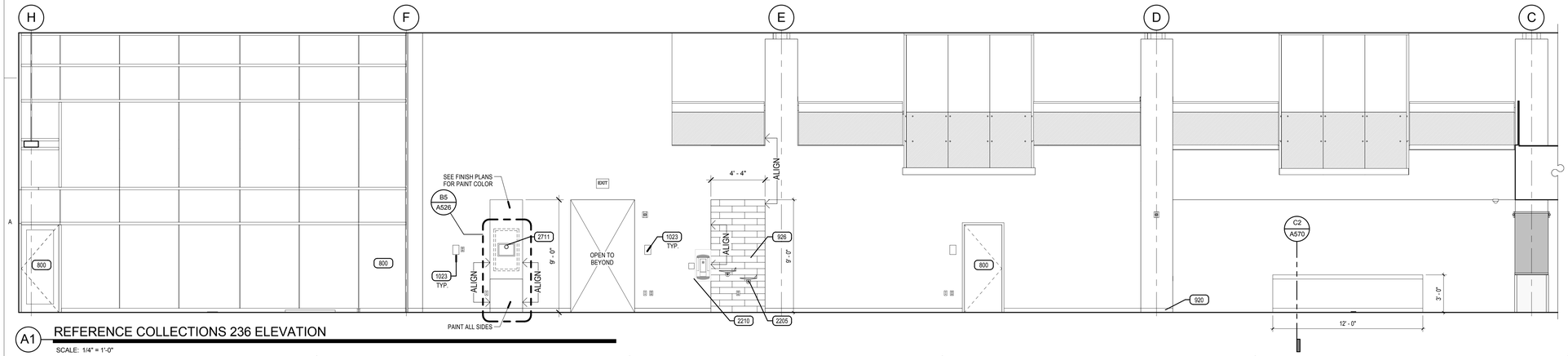
C1 LIBRARY 235 EAST ELEVATION

SCALE: 1/4" = 1'-0"



B1 INFORMATION COMMONS 218 ELEVATION

SCALE: 1/4" = 1'-0"

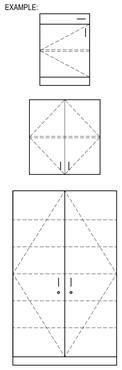


A1 REFERENCE COLLECTIONS 236 ELEVATION

SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:



B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *

T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC.... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

513 DECORATIVE RAILING WITH 1/2" GLAZING, SEE DETAIL A6/A551
605 QUARTZ COUNTERTOP
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
812 SEMI-OPAQUE ETCHED GLAZING
920 SCHEDULED BASE
926 6X24 PORCELAIN TILE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
1023 SIGNAGE, SEE SCHEDULE
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2210 ELECTRIC WATER BOTTLE FILLER UNIT (SHARES REMOTE CHILLER WITH ADJACENT ELECTRIC WATER COOLER)
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC

VCBO
ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #00297640

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

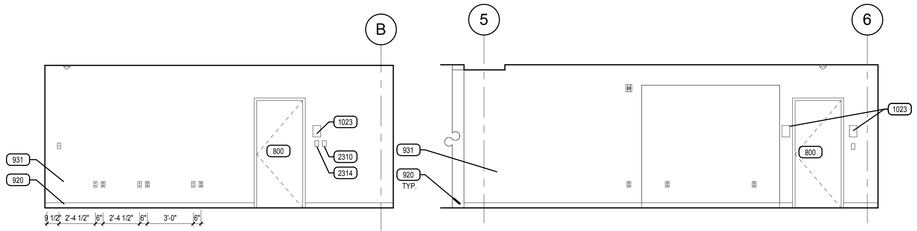
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 2

A424

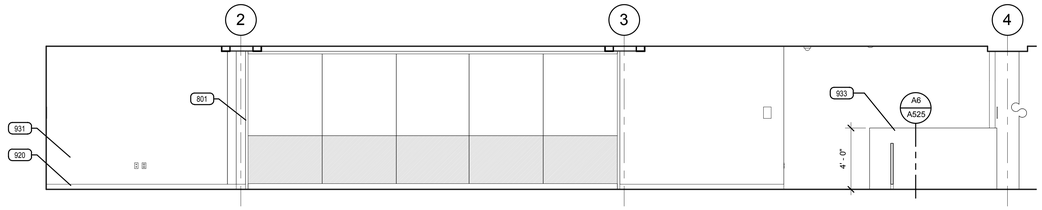
Sheet Number

12/6/2010 3:59:24 PM

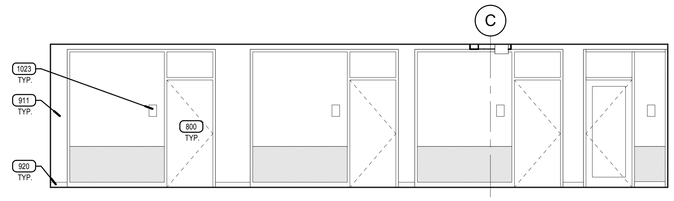


E3 COPY CENTER 248 WEST
SCALE: 1/4" = 1'-0"

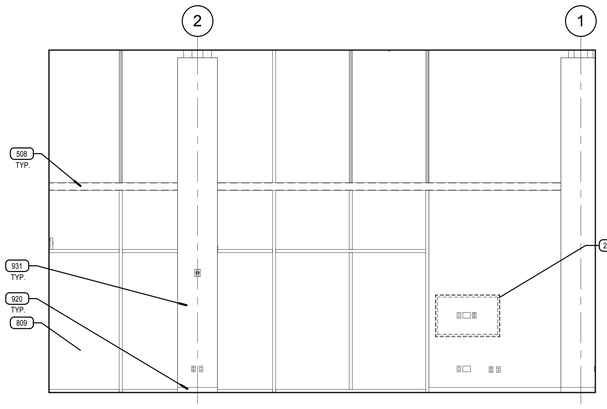
E5 ENTRY 220 NORTH
SCALE: 1/4" = 1'-0"



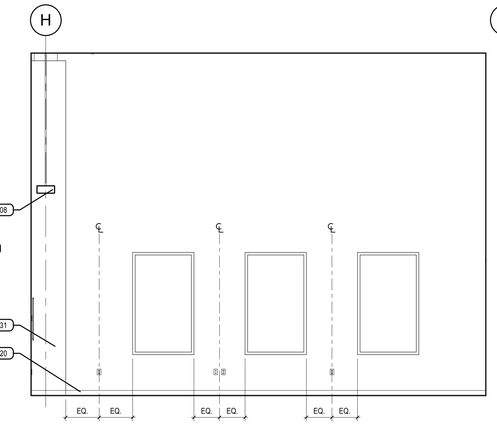
D3 LIB. 235 NORTH
SCALE: 1/4" = 1'-0"



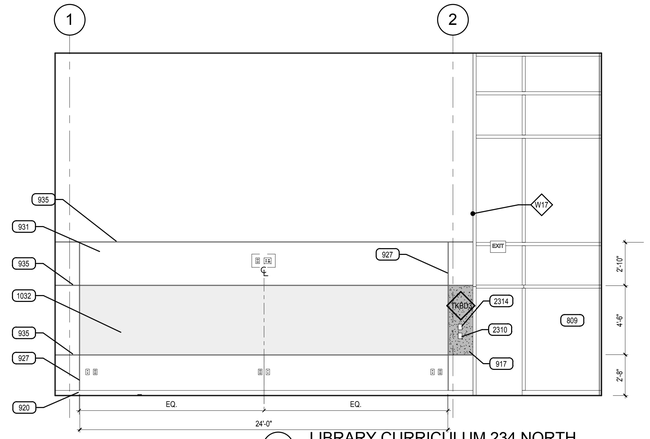
D5 LIBRARIAN OFFICE 244 ELEVATION
SCALE: 1/4" = 1'-0"



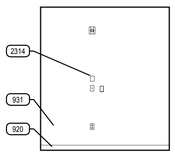
C1 LIBRARY CURRICULUM 234 SOUTH
SCALE: 1/4" = 1'-0"



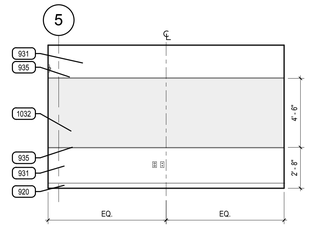
C3 LIBRARY CURRICULUM 234 WEST
SCALE: 1/4" = 1'-0"



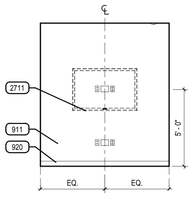
C5 LIBRARY CURRICULUM 234 NORTH
SCALE: 1/4" = 1'-0"



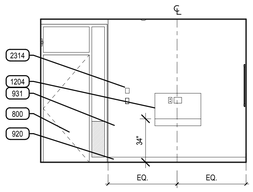
B1 6-8 PERSON 228 WEST ELEVATION
SCALE: 1/4" = 1'-0"



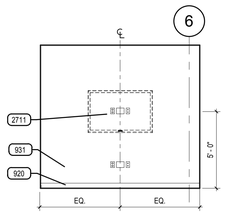
B2 6-8 PERSON 228 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



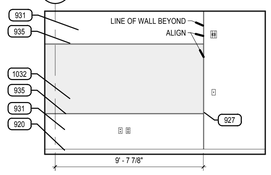
B3 6-8 PERSON 228 EAST ELEVATION
SCALE: 1/4" = 1'-0"



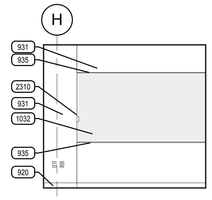
B4 6-8 PERSON 229 WEST ELEVATION
SCALE: 1/4" = 1'-0"



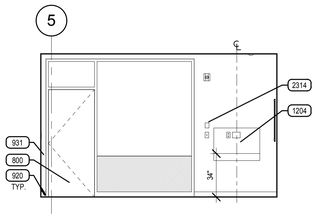
B5 6-8 PERSON 229 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



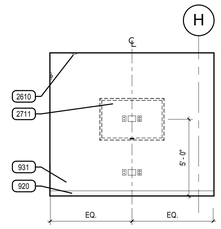
B6 6-8 PERSON 229 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



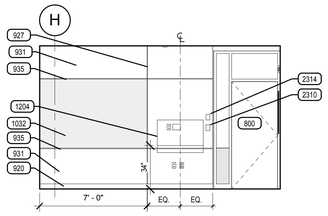
A2 6-8 PERSON 231 WEST ELEVATION
SCALE: 1/4" = 1'-0"



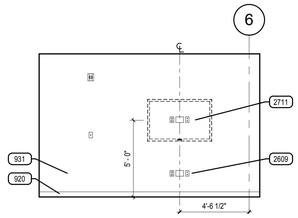
A3 6-8 PERSON 231 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



A4 6-8 PERSON 231 EAST ELEVATION
SCALE: 1/4" = 1'-0"



A5 6-8 PERSON 230 WEST ELEVATION
SCALE: 1/4" = 1'-0"



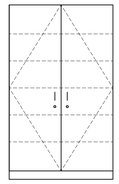
A6 6-8 PERSON 230 NORTH ELEVATION
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE. TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC… NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

508 STEEL GIRDER PAINTED WHERE EXPOSED
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
809 CURTAIN WALL SYSTEM
911 PAINTED GYPSUM BOARD
917 TACKABLE WALL SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
933 LOW WALL WITH SOLID WOOD CAP-SEE DETAIL- 4'-0" TALL
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1204 WALL MOUNTED LAPTOP STATION
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2609 POWER OUTLET
2610 OCCUPANCY SENSOR
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
DENRK THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

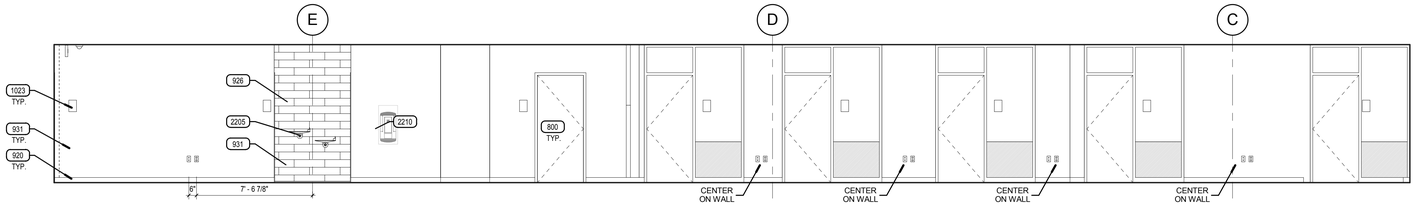
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 2

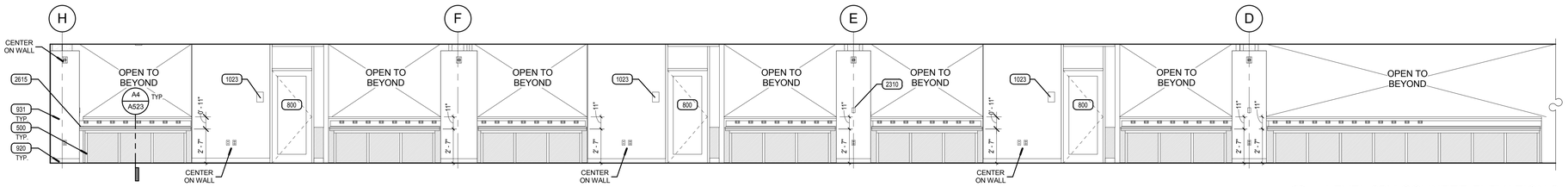
A425
Sheet Number

12/6/2010 3:59:57 PM



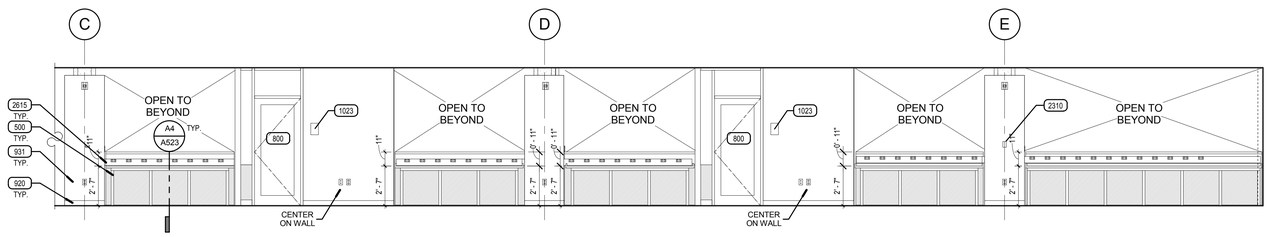
E5 STUDY/COLL. 271M WEST

SCALE: 1/4" = 1'-0"



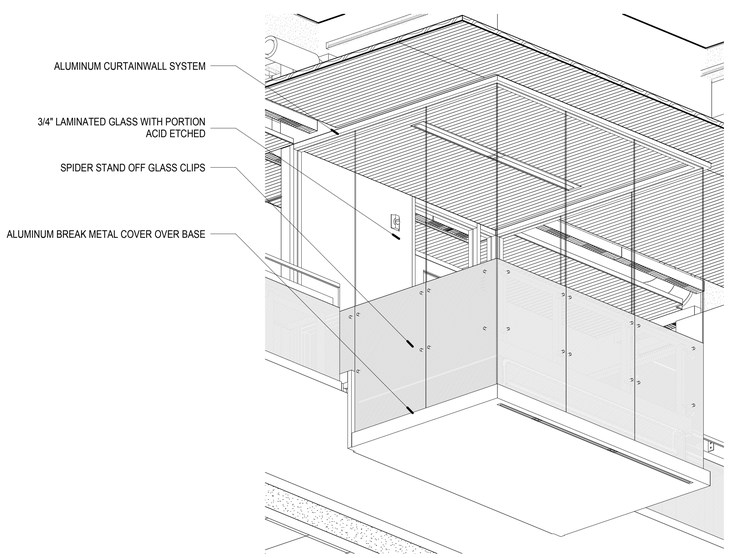
D5 LEVEL 02M COUNTER ELEVATION 2

SCALE: 1/4" = 1'-0"



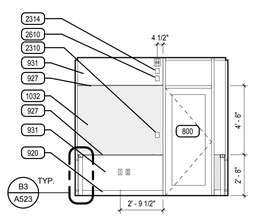
C5 LEVEL 02M COUNTER ELEVATION1

SCALE: 1/4" = 1'-0"



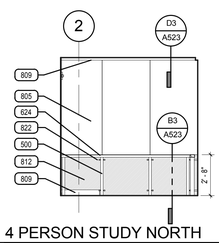
A2 GLASS BOX AXON-VIEW FROM LEVEL 2 LIBRARY

SCALE:



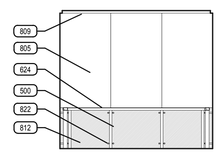
B3 4 PERSON STUDY WEST

SCALE: 1/4" = 1'-0"



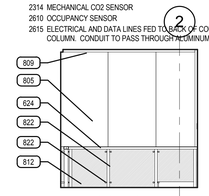
B4 4 PERSON STUDY NORTH

SCALE: 1/4" = 1'-0"



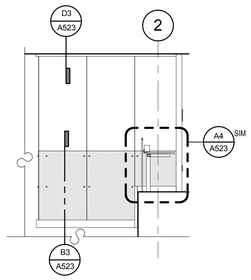
B5 4 PERSON STUDY EAST

SCALE: 1/4" = 1'-0"



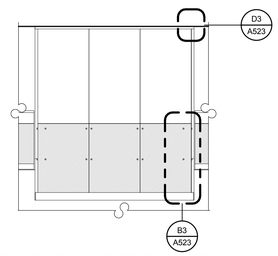
B6 4 PERSON STUDY SOUTH

SCALE: 1/4" = 1'-0"



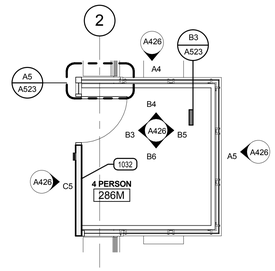
A4 GLASS BOX- NORTH ELEVATION

SCALE: 1/4" = 1'-0"



A5 GLASS BOX- EAST ELEVATION

SCALE: 1/4" = 1'-0"



A6 ENLARGED PLAN- GLASS ROOM

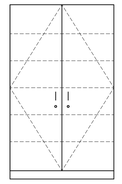
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC… NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

500 STEEL TUBE PAINTED WHERE EXPOSED
624 SOLID WOOD RAILING CAP
800 DOOR & FRAME
805 GLAZING
809 CURTAIN WALL SYSTEM
812 SEMI-OPAQUE ETCHED GLAZING
822 STAINLESS STEEL GLASS SPIDER BRACKETS
920 SCHEDULED BASE
926 6X24 PORCELAIN TILE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2210 ELECTRIC WATER BOTTLE FILLER UNIT (SHARES REMOTE CHILLER WITH ADJACENT ELECTRIC WATER COOLER)
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2610 OCCUPANCY SENSOR
2615 ELECTRICAL AND DATA LINES FED TO BACK OF COUNTER POWER STRIP FROM ADJOINING COLUMN. CONDUIT TO PASS THROUGH ALUMINUM GROMMET ON COLUMN FACE.

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
DEREK THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

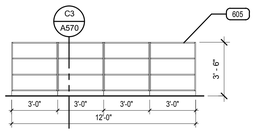
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 2M

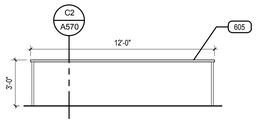
A426

Sheet Number

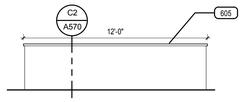
12/6/2010 4:00:23 PM



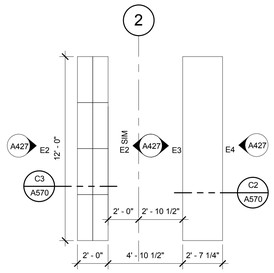
E2 REFERENCE SHELF
SCALE: 1/4" = 1'-0"



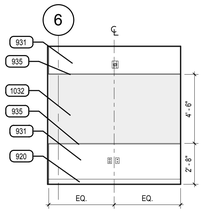
E3 REFERENCE DESK WEST
SCALE: 1/4" = 1'-0"



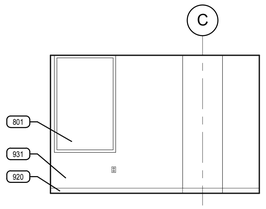
E4 REFERENCE DESK EAST
SCALE: 1/4" = 1'-0"



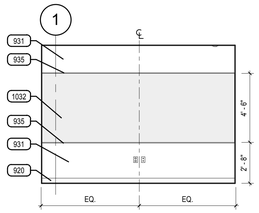
E5 REFERENCE AREA
SCALE: 1/4" = 1'-0"



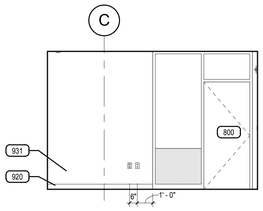
D1 4 PERSON 277M SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



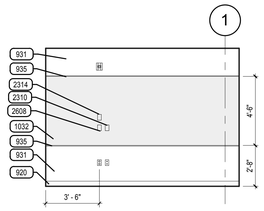
D2 6-8 PERSON 293M WEST
SCALE: 1/4" = 1'-0"



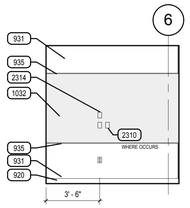
D3 6-8 PERSON 293M NORTH
SCALE: 1/4" = 1'-0"



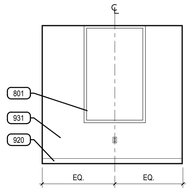
D4 6-8 PERSON 293M EAST
SCALE: 1/4" = 1'-0"



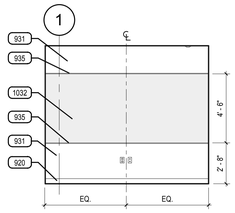
D5 6-8 PERSON 293M SOUTH
SCALE: 1/4" = 1'-0"



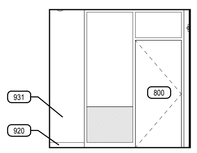
C1 4 PERSON 278M NORTH ELEVATION
SCALE: 1/4" = 1'-0"



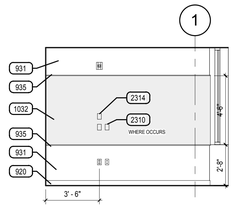
C2 4 PERSON 292M WEST
SCALE: 1/4" = 1'-0"



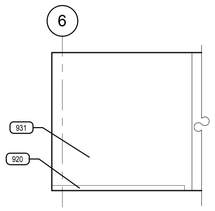
C3 4 PERSON 292M NORTH
SCALE: 1/4" = 1'-0"



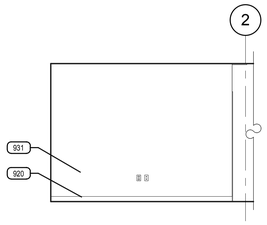
C4 4 PERSON 292M EAST
SCALE: 1/4" = 1'-0"



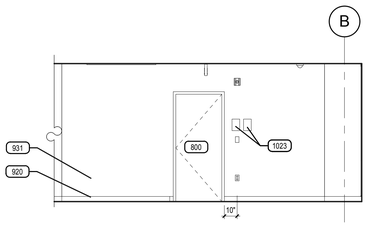
C5 4 PERSON 292M SOUTH
SCALE: 1/4" = 1'-0"



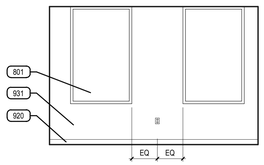
B1 STUDY/COLLAB 271M SOUTH
SCALE: 1/4" = 1'-0"



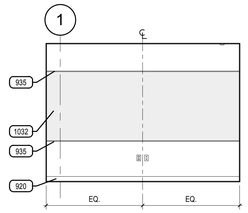
B2 STUDY/COLLAB 271M NORTH
SCALE: 1/4" = 1'-0"



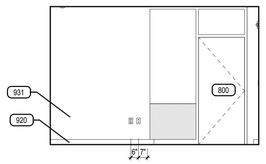
B3 STUDY/COLLAB 271M NW STAIR
SCALE: 1/4" = 1'-0"



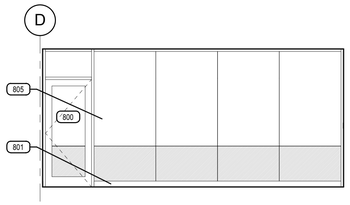
B4 6-8 PERSON 294M WEST
SCALE: 1/4" = 1'-0"



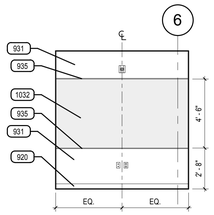
B5 6-8 PERSON 294M NORTH
SCALE: 1/4" = 1'-0"



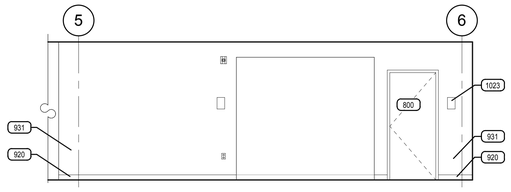
B6 6-8 PERSON 294M EAST
SCALE: 1/4" = 1'-0"



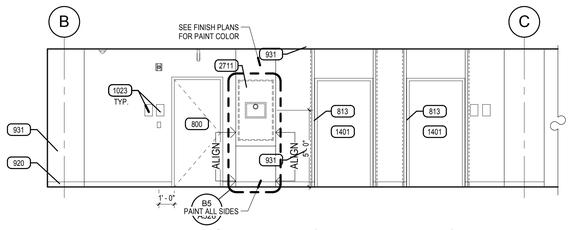
A1 GROUP STUDY 273M ELEVATION
SCALE: 1/4" = 1'-0"



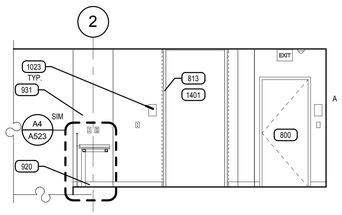
A2 GROUP STUDY 273M NORTH
SCALE: 1/4" = 1'-0"



A3 VENDING 255M ELEVATION
SCALE: 1/4" = 1'-0"



A5 ELEVATOR 253M ELEVATION
SCALE: 1/4" = 1'-0"



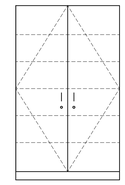
A6 ELEVATOR 257M ELEVATION
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:
- SB DENOTES SINK BASE CABINET
- TW DENOTES TALL WARDROBE CABINET
- FMD DENOTES FRAMED PERFORATED METAL PANEL DOOR
- FGD DENOTES FRAMED GLASS PANEL DOOR

** NOTE:
- L DENOTES LOCKS AT DOOR (S) / DRAWER (S)
- F DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM, SEE DETAIL C2/A541
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1401 ELEVATORS
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2608 LIGHT SWITCH
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

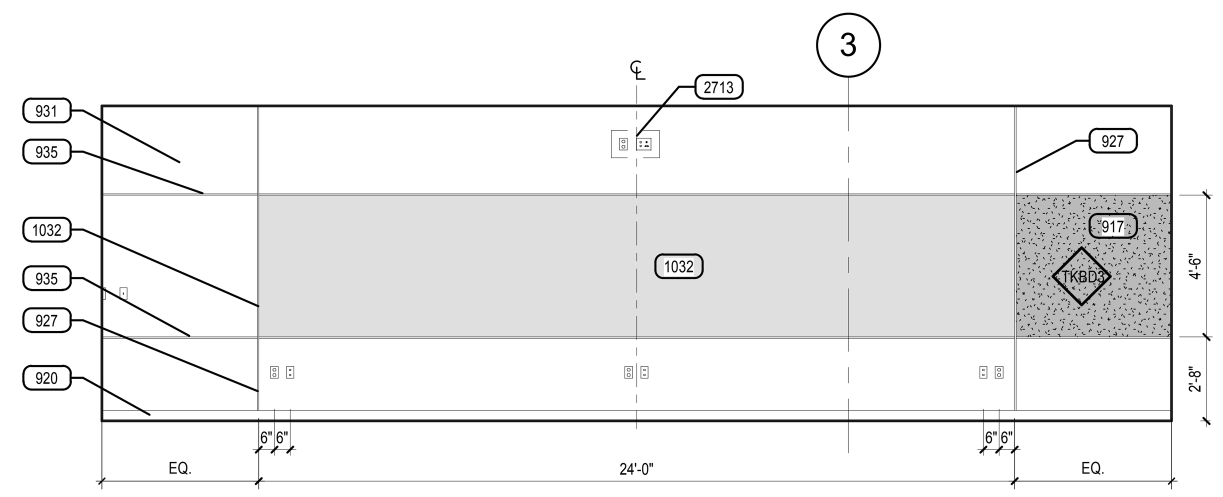
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 2M

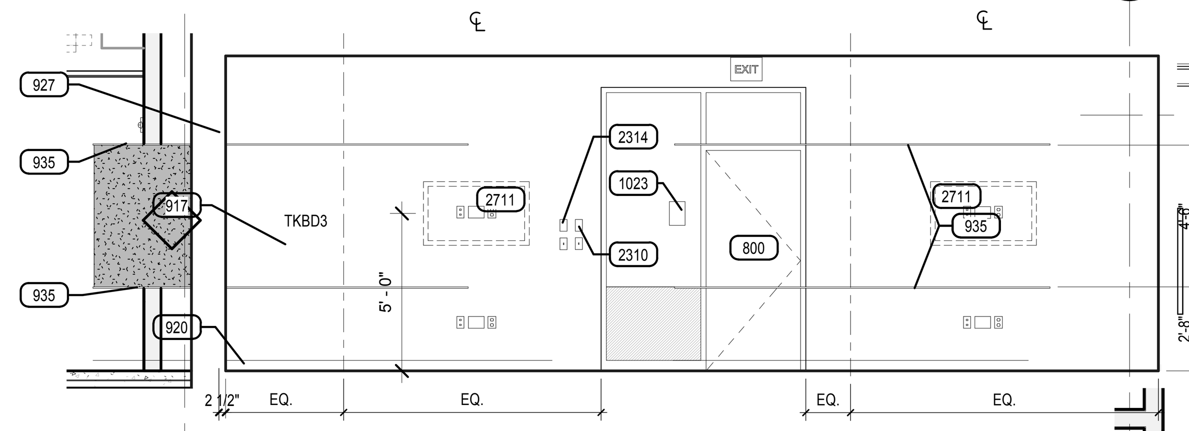
A427
Sheet Number

12/6/2010 4:01:03 PM



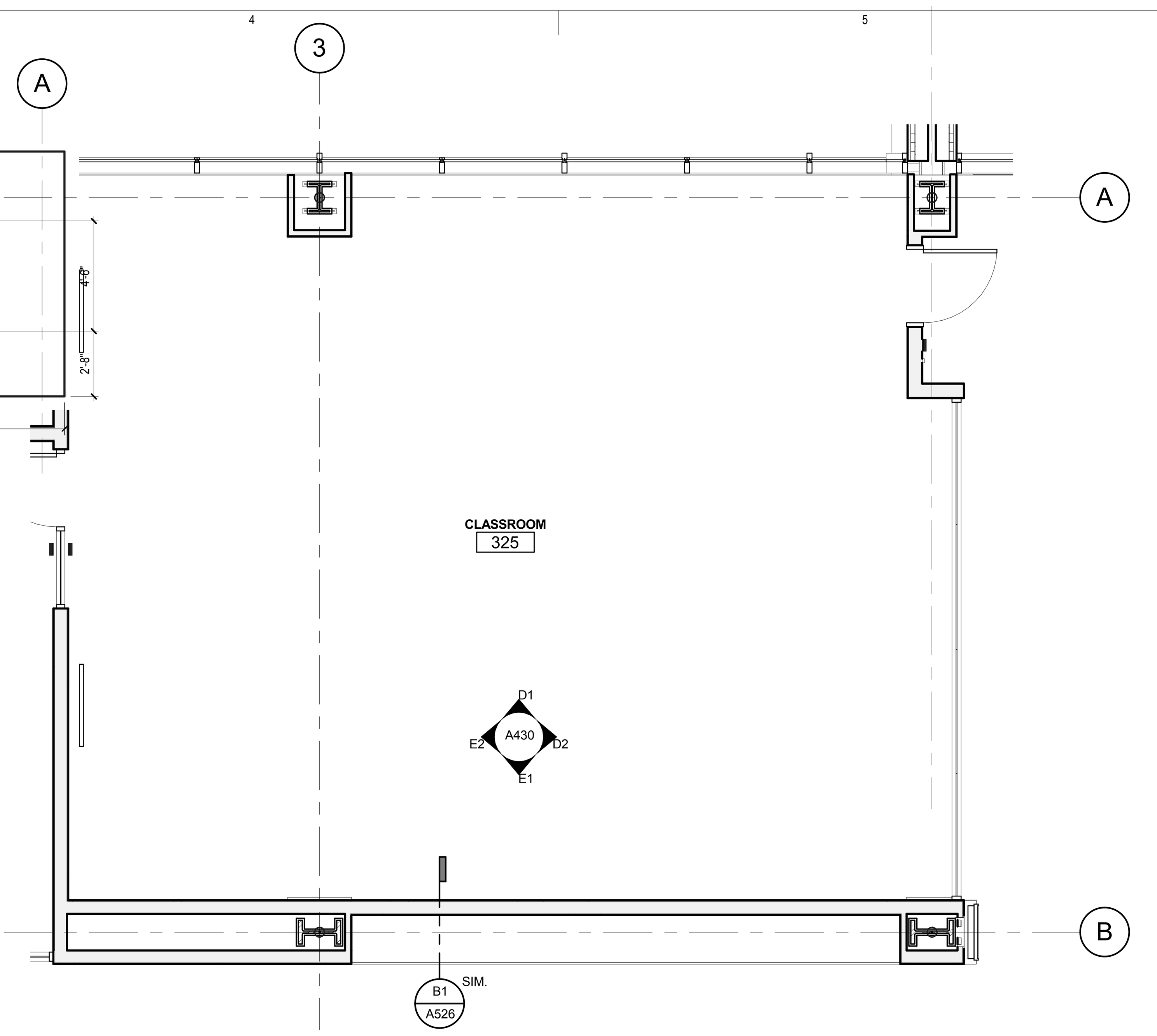
E1 CLASSROOM 325 - SOUTH

SCALE: 1/4" = 1'-0"



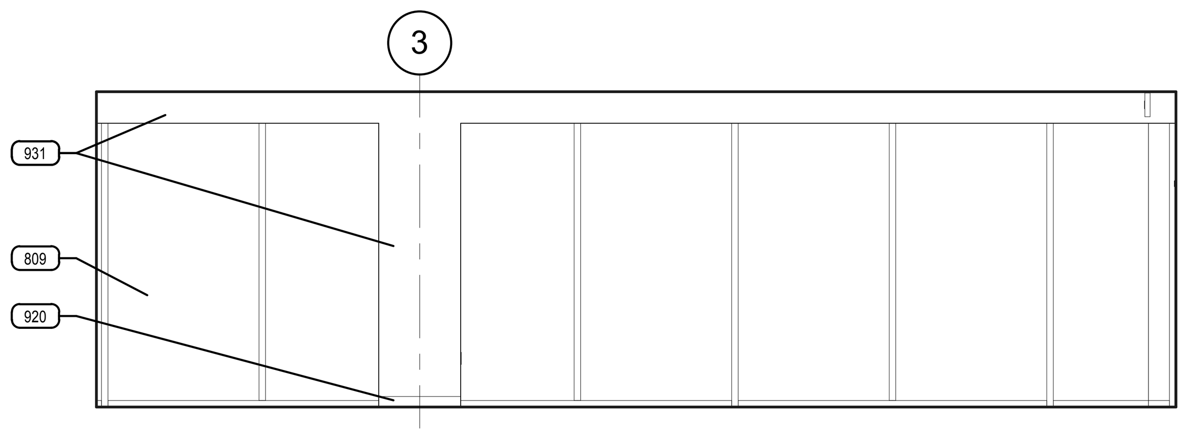
E2 CLASSROOM 325 - WEST

SCALE: 1/4" = 1'-0"



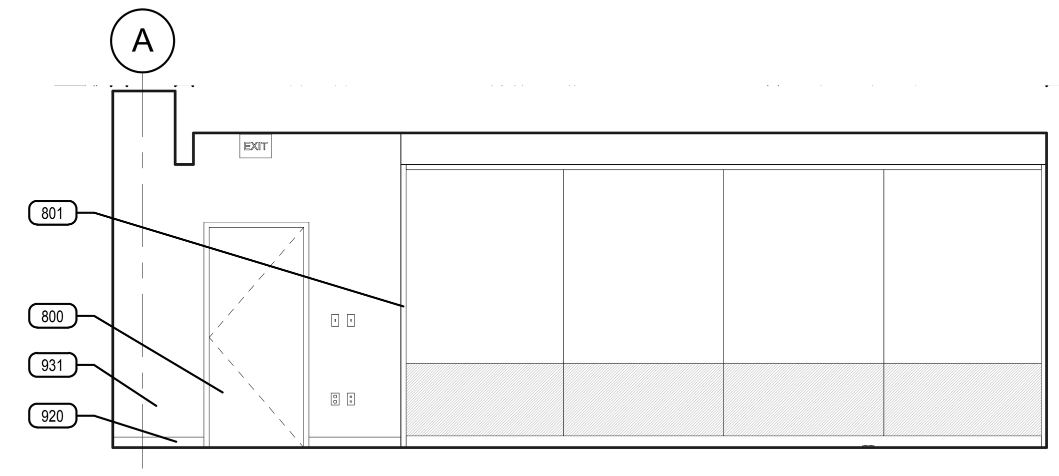
D4 CLASSROOM 325

SCALE: 1/4" = 1'-0"



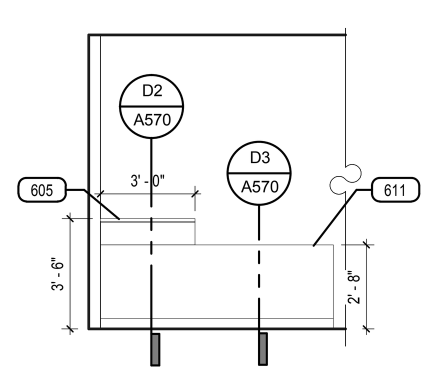
D1 CLASSROOM 325 - NORTH

SCALE: 1/4" = 1'-0"



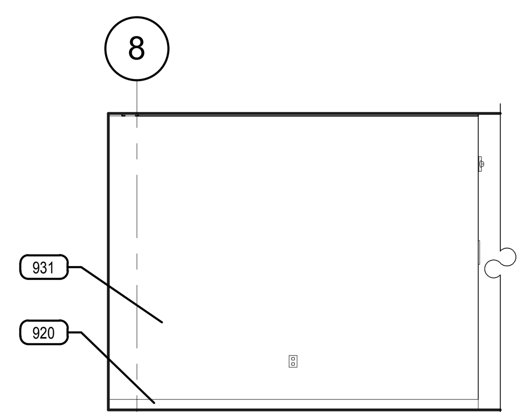
D2 CLASSROOM 325 - EAST

SCALE: 1/4" = 1'-0"



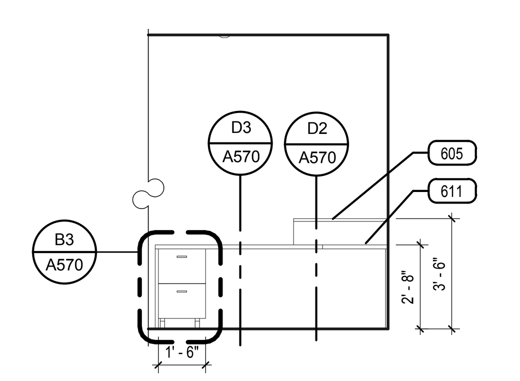
C1 OFF. MGR. 355 EAST

SCALE: 1/4" = 1'-0"



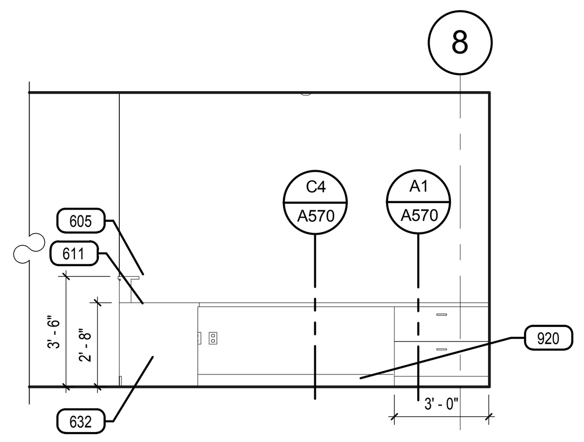
C2 OFF. MGR. 355 SOUTH

SCALE: 1/4" = 1'-0"



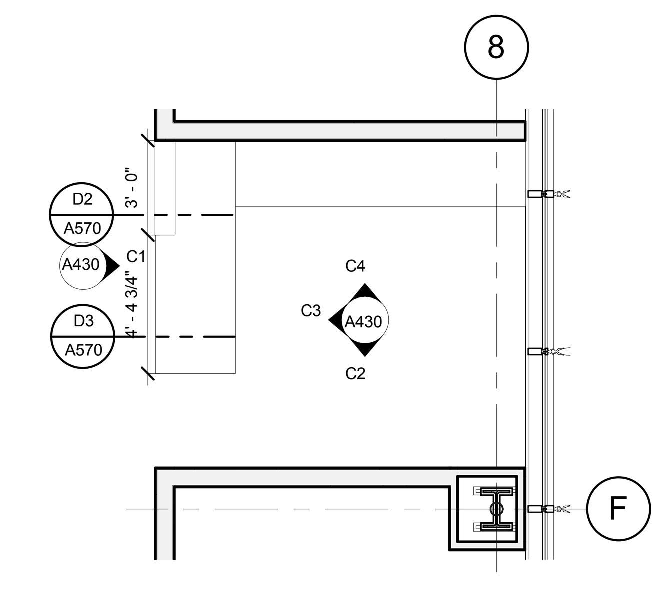
C3 OFF. MGR. 355 WEST

SCALE: 1/4" = 1'-0"



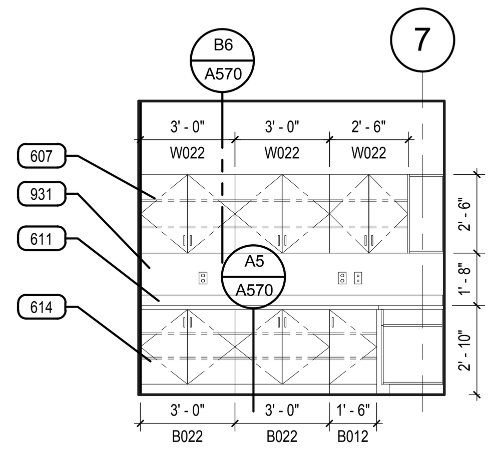
C4 OFF. MGR. 355 NORTH

SCALE: 1/4" = 1'-0"



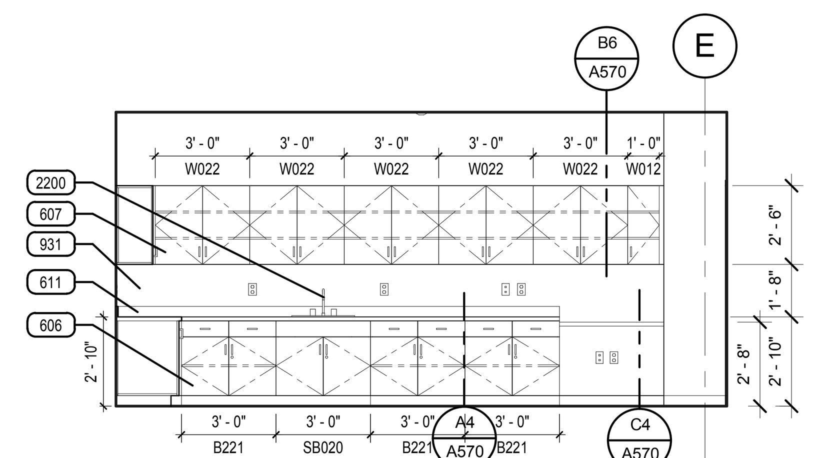
C5 OFFICE MANAGER/RECEPTIONIST 355

SCALE: 1/4" = 1'-0"



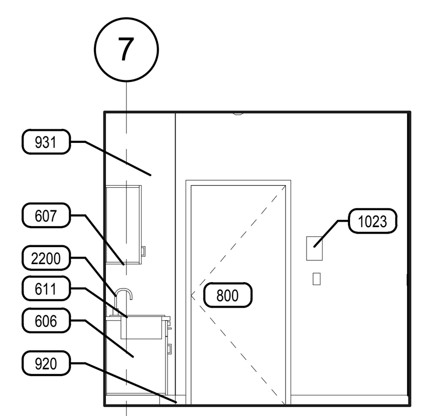
B1 WORKROOM/STORAGE 351 - SOUTH

SCALE: 1/4" = 1'-0"



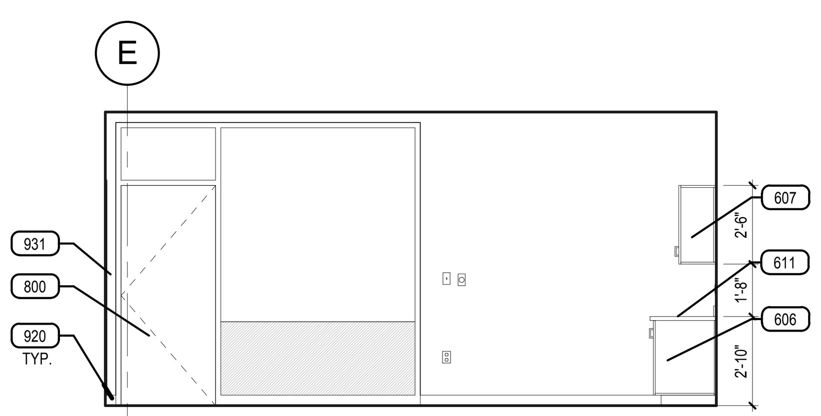
B2 WORKROOM/STORAGE 351 - WEST

SCALE: 1/4" = 1'-0"



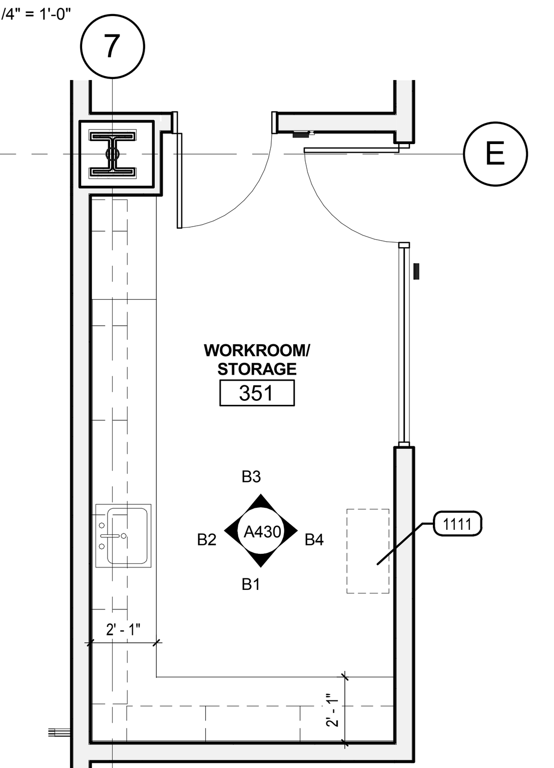
B3 WORKROOM/STORAGE 351 - NORTH

SCALE: 1/4" = 1'-0"



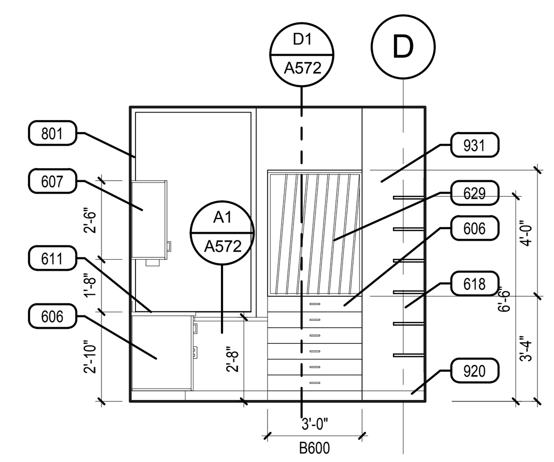
B4 WORKROOM/STORAGE 351 - EAST

SCALE: 1/4" = 1'-0"



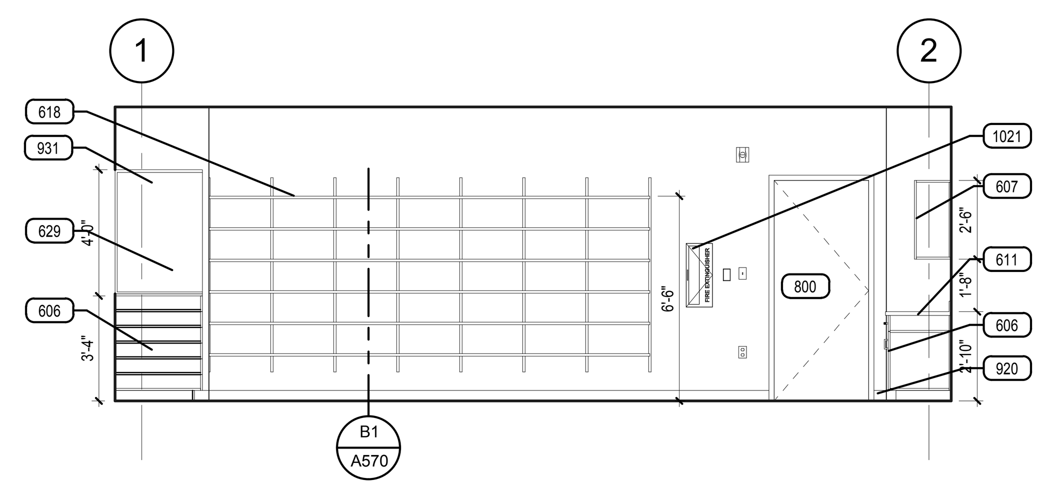
B5 WORKROOM/STORAGE 351

SCALE: 1/4" = 1'-0"



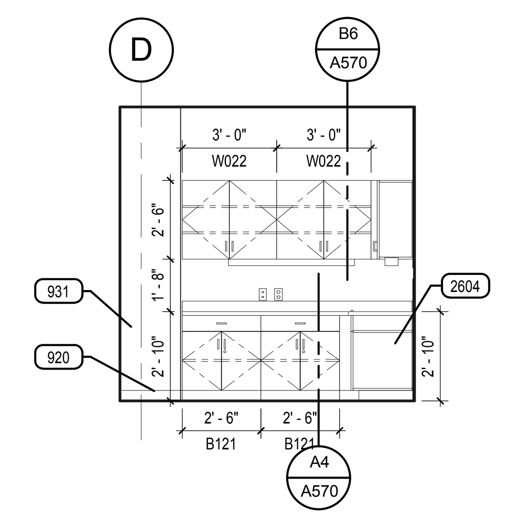
A1 BINDERY 374 - WEST

SCALE: 1/4" = 1'-0"



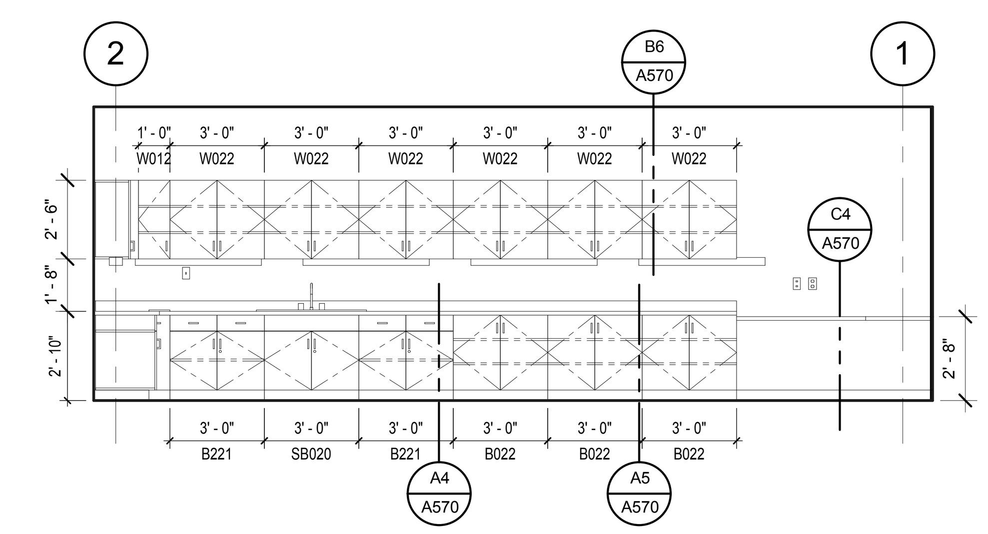
A2 BINDERY 374 - NORTH

SCALE: 1/4" = 1'-0"



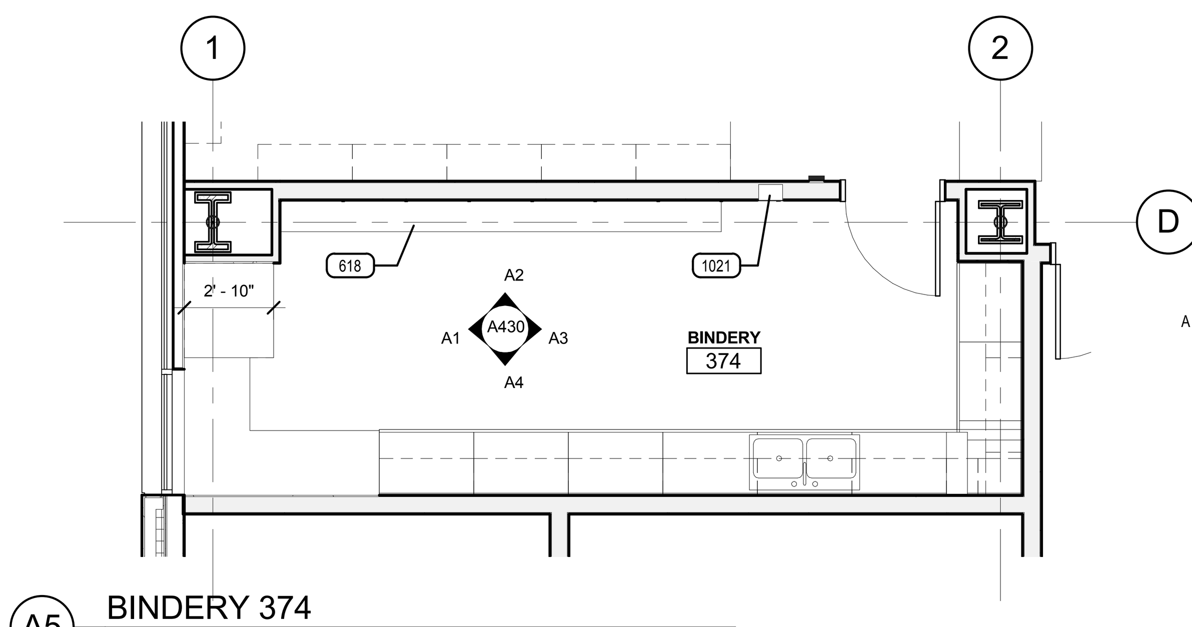
A3 BINDERY 374 - EAST

SCALE: 1/4" = 1'-0"



A4 BINDERY 374 - SOUTH

SCALE: 1/4" = 1'-0"

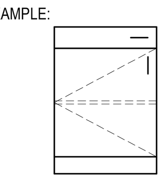


A5 BINDERY 374

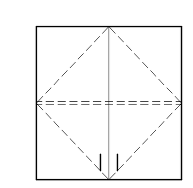
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

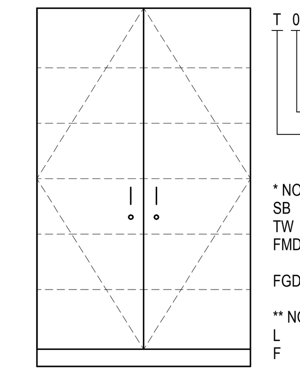
EXAMPLE:



B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *



W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:
SB DENOTES SINK BASE CABINET
TW DENOTES TALL WARDROBE CABINET
FMD DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD DENOTES FRAMED GLASS PANEL DOOR

** NOTE:
L DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC.... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
606 WALL MOUNTED BASE CABINET WITH BLOCKING
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
611 PLASTIC LAMINATE COUNTERTOP
614 FILLER PANEL
618 12" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
629 WALL MOUNTED VERTICAL PAPER/BOARD STORAGE WITH BLOCKING
632 PLASTIC LAMINATE END PANEL
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
809 CURTAIN WALL SYSTEM
917 TACKABLE WALL SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1021 RECESSED FIRE EXTINGUISHER CABINET W/ FE, SEE DETAIL C3/A520
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1111 COPIER, NIC
2200 SINK AND FAUCET
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2604 PROVIDE POWER IN MILLWORK
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2713 WALL MOUNTED SHORT THROW PROJECTOR AND MOUNT COORDINATE EXACT LOCATION W/ ARCHITECT PRIOR TO INSTALLATION. PROVIDE 10'-0" MIN. OF EXTRA WIRE LENGTH, TYP. TO ACCOMMODATE ADJUSTMENT TO LOCATION PROVIDED.

VCBO
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BRUNJES
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #06297640

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

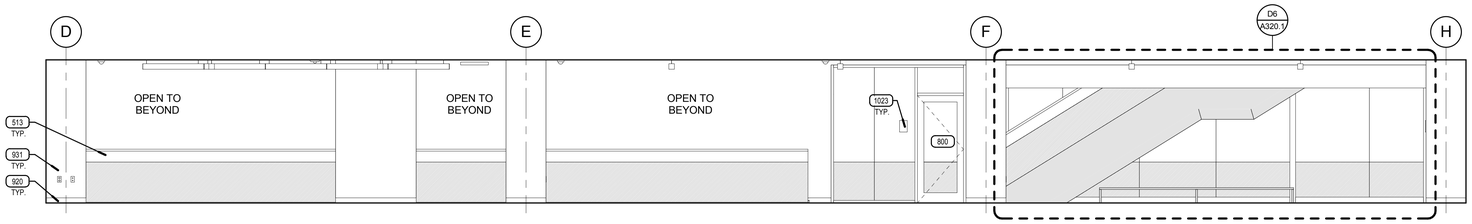
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 3

A430

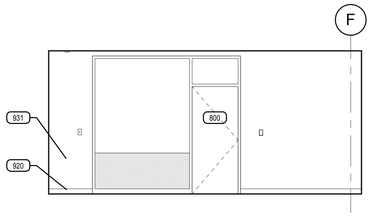
Sheet Number

12/6/2010 4:01:37 PM



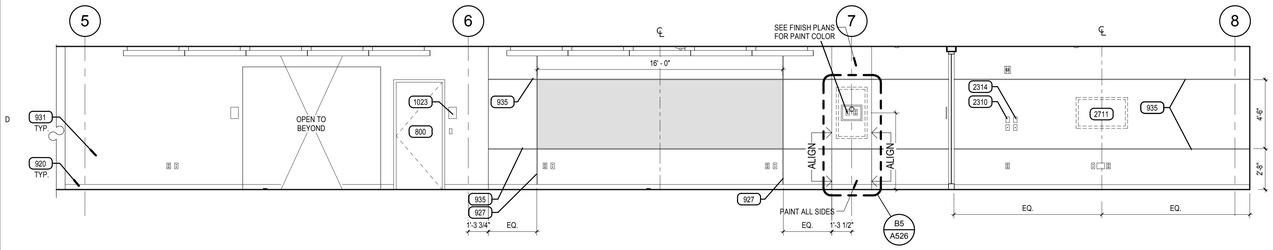
E1 GRAND STAIR ELEVATION LEVEL 3

SCALE: 1/4" = 1'-0"



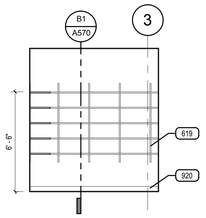
E5 DEANS OFFICE 356 WEST

SCALE: 1/4" = 1'-0"



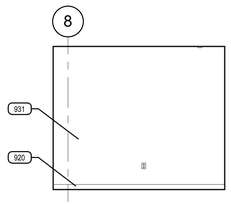
D1 GENERAL USE CLASSROOM 340 NORTH ELEVATION

SCALE: 1/4" = 1'-0"



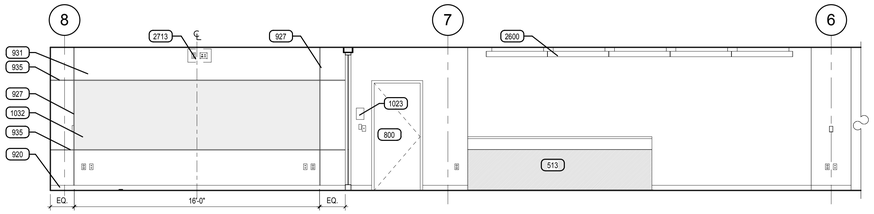
D4 STORAGE 377 NORTH

SCALE: 1/4" = 1'-0"



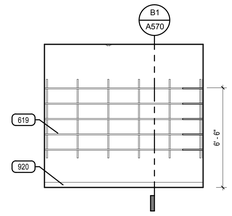
D5 DEANS OFFICE 356 SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



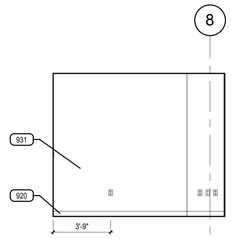
C2 GENERAL USE CLASSROOM 340 ELEVATION

SCALE: 1/4" = 1'-0"



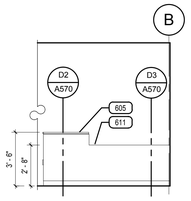
C4 STORAGE 377 WEST

SCALE: 1/4" = 1'-0"



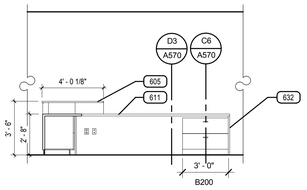
C5 DEANS OFFICE 356 NORTH ELEVATION

SCALE: 1/4" = 1'-0"



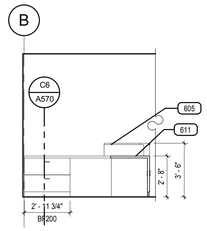
B1 READING ROOM 330 ELEV B1

SCALE: 1/4" = 1'-0"



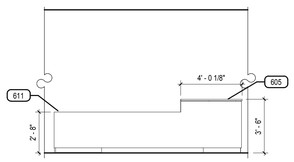
B2 READING ROOM 330 ELEV B2

SCALE: 1/4" = 1'-0"



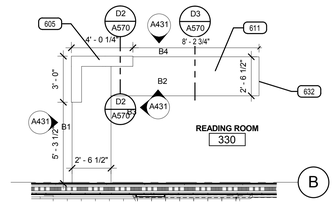
B3 READING ROOM 330 ELEV B3

SCALE: 1/4" = 1'-0"



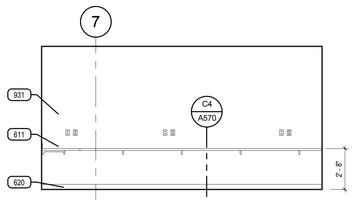
B4 READING ROOM 330 ELEV B4

SCALE: 1/4" = 1'-0"



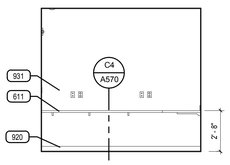
B5 READING ROOM/ RESEARCH (W/COUNTER) 330

SCALE: 1/4" = 1'-0"



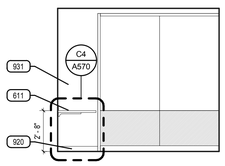
A2 ROOM 334 SOUTH

SCALE: 1/4" = 1'-0"



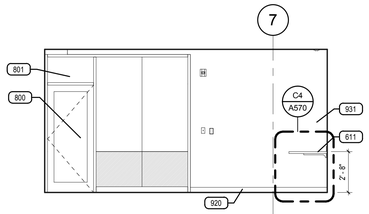
A3 ROOM 334 EAST

SCALE: 1/4" = 1'-0"



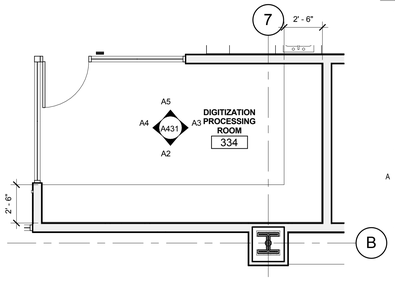
A4 ROOM 334 WEST

SCALE: 1/4" = 1'-0"



A5 ROOM 334 NORTH

SCALE: 1/4" = 1'-0"

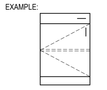


A6 DIGITIZATION PROCESSING ROOM 334

SCALE: 1/4" = 1'-0"

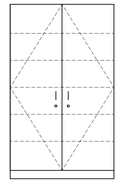
ARCHITECTURAL MILLWORK KEY

EXAMPLE:



B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE. TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

513 DECORATIVE RAILING WITH 1/2" GLAZING, SEE DETAIL A6/A551
605 QUARTZ COUNTERTOP
611 PLASTIC LAMINATE COUNTERTOP
619 16" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
620 18" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
632 PLASTIC LAMINATE END PANEL
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2600 LIGHT FIXTURE
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2713 WALL MOUNTED SHORT THROW PROJECTOR AND MOUNT COORDINATE EXACT LOCATION W/ ARCHITECT PRIOR TO INSTALLATION. PROVIDE 10'-0" MIN. OF EXTRA WIRE LENGTH, TYP. TO ACCOMMODATE ADJUSTMENT TO LOCATION PROVIDED.

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

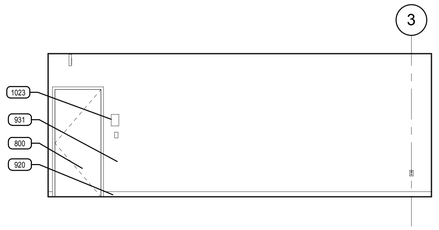
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 3

A431

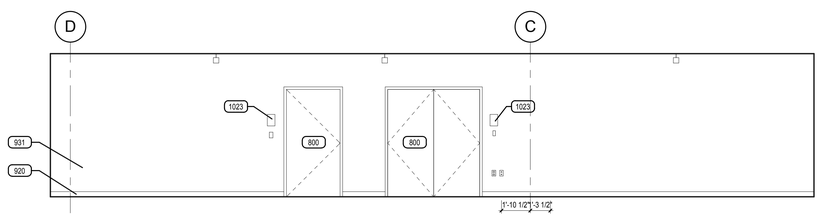
Sheet Number

12/6/2010 4:02:10 PM



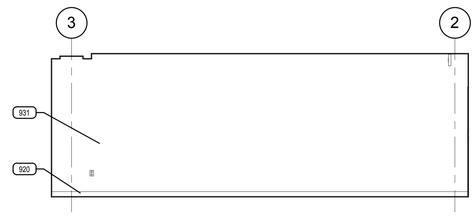
E1 GENERAL COLLECTIONS 360 NORTH ELEVATION

SCALE: 1/4" = 1'-0"



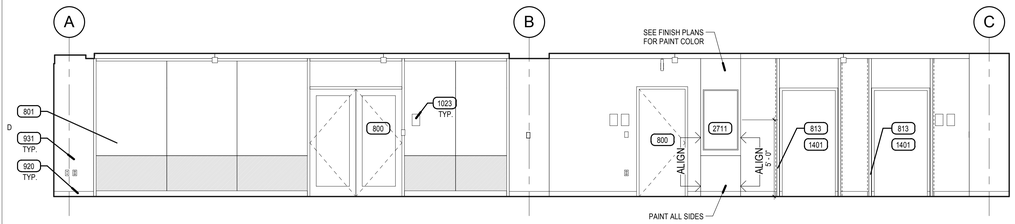
E2 GENERAL COLLECTIONS 360 WEST ELEVATION

SCALE: 1/4" = 1'-0"



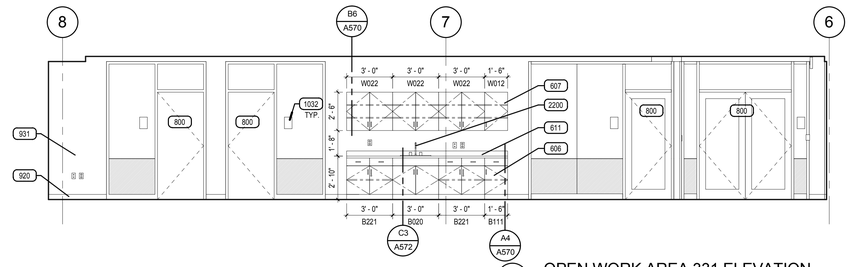
E3 HALLWAY ELEVATION @ STAIR 301

SCALE: 1/4" = 1'-0"



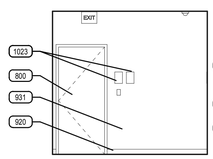
D1 ELEVATOR 303 ELEVATION

SCALE: 1/4" = 1'-0"



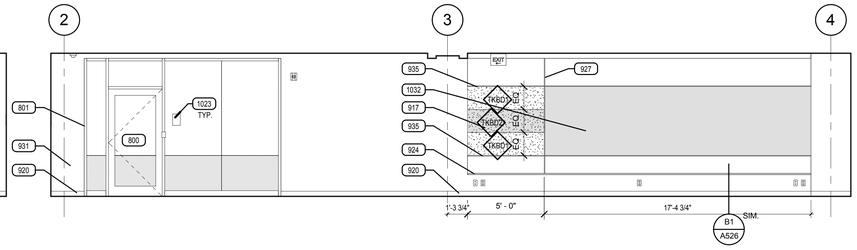
D5 OPEN WORK AREA 331 ELEVATION

SCALE: 1/4" = 1'-0"



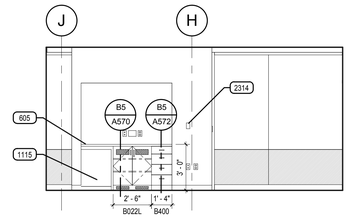
C1 LEVEL 03 NORTHWEST STAIR

SCALE: 1/4" = 1'-0"



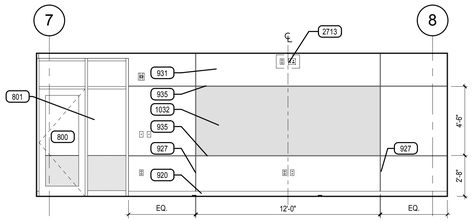
C2 CLASSROOM 325 HALLWAY ELEVATION

SCALE: 1/4" = 1'-0"



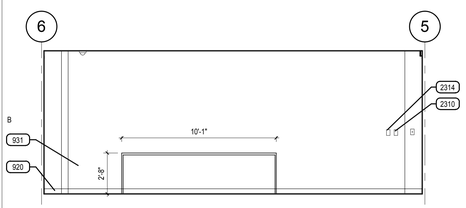
C4 CONFERENCE ROOM 357 WEST

SCALE: 1/4" = 1'-0"



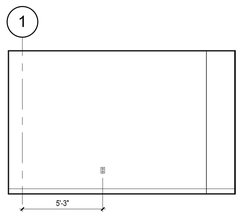
C5 CONFERENCE ROOM 357 NORTH

SCALE: 1/4" = 1'-0"



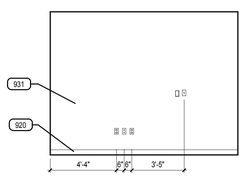
B1 R ROOM 330 RECEPTION ELEVATION

SCALE: 1/4" = 1'-0"



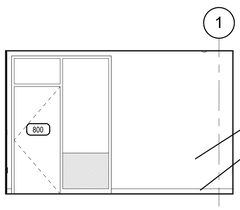
B2 DIRECTOR 375 NORTH ELEVATION

SCALE: 1/4" = 1'-0"



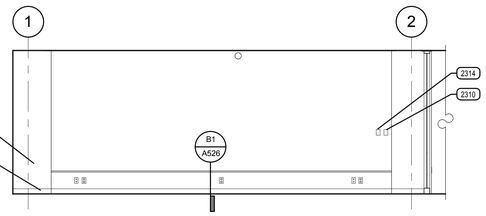
B3 DIRECTOR 375 EAST

SCALE: 1/4" = 1'-0"



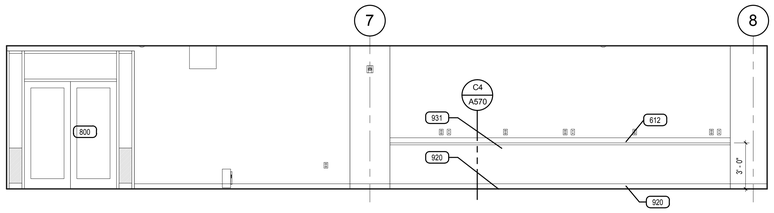
B4 DIRECTOR 375 SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



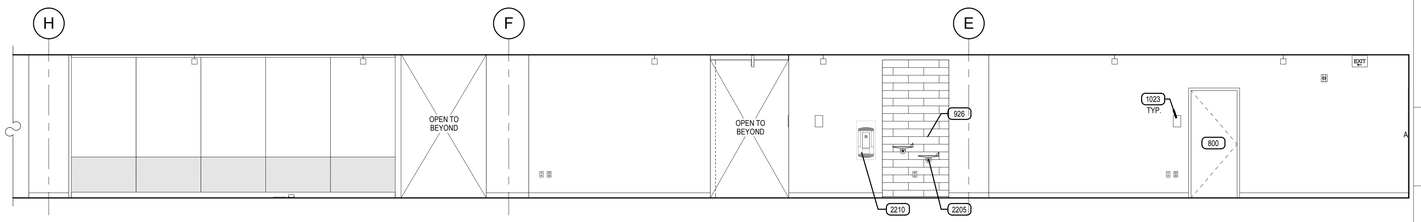
B5 JUV. LIT. RM 362 NORTH

SCALE: 1/4" = 1'-0"



A1 COMPACT STORAGE 335

SCALE: 1/4" = 1'-0"

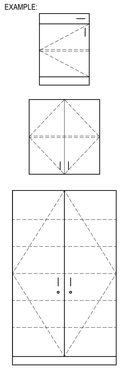


A5 STUDY/COLLAB AREA 361 WEST ELEVATION

SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:



B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *

T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
606 WALL MOUNTED BASE CABINET WITH BLOCKING
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
611 PLASTIC LAMINATE COUNTERTOP
612 SOLID SURFACE COUNTERTOP
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM, SEE DETAIL C2/A541
917 TACKABLE WALL SYSTEM
920 SCHEDULED BASE
924 HARDWOOD BENCH TOP
926 6X24 PORCELAIN TILE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1115 UNDER CABINET REFRIGERATOR, NIC
1401 ELEVATORS
2200 SINK AND FAUCET
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2210 ELECTRIC WATER BOTTLE FILLER UNIT (SHARES REMOTE CHILLER WITH ADJACENT ELECTRIC WATER COOLER)
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2713 WALL MOUNTED SHORT THROW PROJECTOR AND MOUNT COORDINATE EXACT LOCATION W/ ARCHITECT PRIOR TO INSTALLATION. PROVIDE 10'-0" MIN. OF EXTRA WIRE LENGTH, TYP. TO ACCOMMODATE ADJUSTMENT TO LOCATION PROVIDED.

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
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WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

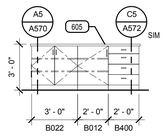
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 3

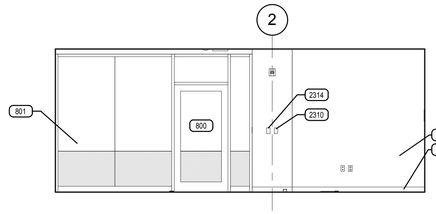
A432

Sheet Number

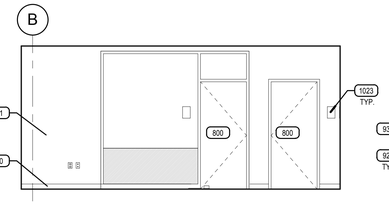
12/6/2010 4:02:41 PM



E1 RM 373A ISLAND 01
SCALE: 1/4" = 1'-0"



E2 DEV. STUDIO 320 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



E3 DEV. STUDIO 320 WEST ELEVATION
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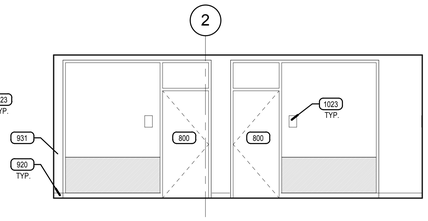
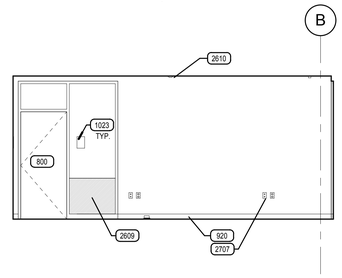
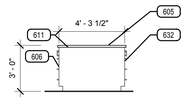


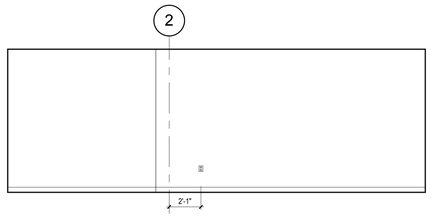
E4 DEV. STUDIO 320 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



E5 DEV. STUDIO 320 EAST ELEVATION
SCALE: 1/4" = 1'-0"

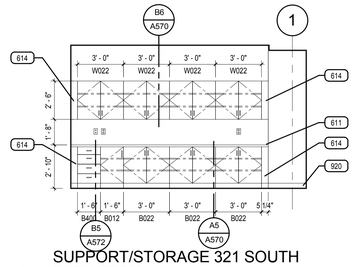


D1 RM 373A ISLAND 02
SCALE: 1/4" = 1'-0"

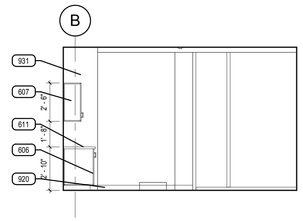


D2 STORAGE 376 NORTH ELEVATION
SCALE: 1/4" = 1'-0"

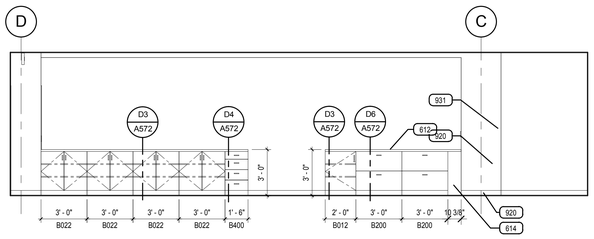
D3 STORAGE 376 WEST ELEV.
SCALE: 1/4" = 1'-0"



D4 SUPPORT/STORAGE 321 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

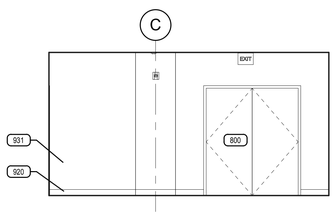


D5 SUPPORT/STORAGE 321 WEST ELEVATION
SCALE: 1/4" = 1'-0"

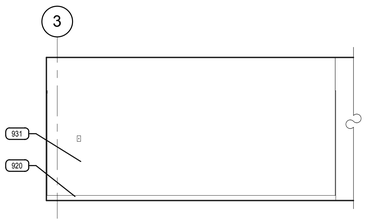


C1 WORK/STUDY 373 WEST ELEVATION 2
SCALE: 1/4" = 1'-0"

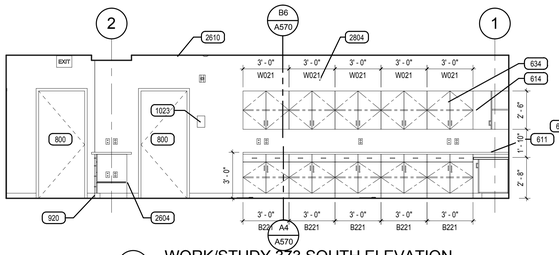
C3 WORK STUDY 373 NORTHEAST
SCALE: 1/4" = 1'-0"



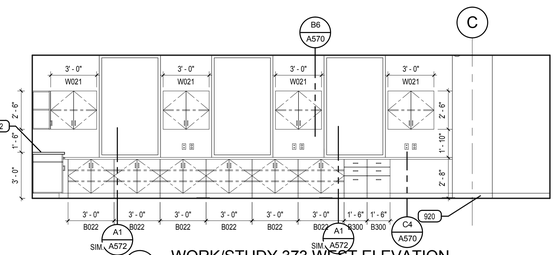
C4 WORK STUDY 373 WEST2
SCALE: 1/4" = 1'-0"



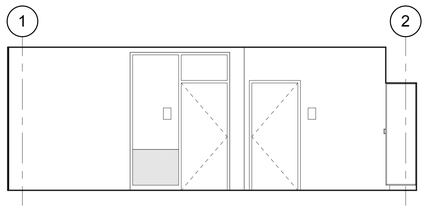
C5 WORK STUDY 373 SOUTH2
SCALE: 1/4" = 1'-0"



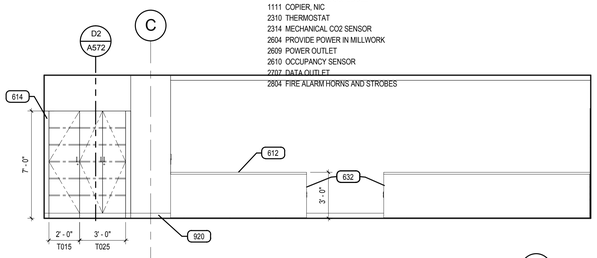
B1 WORK/STUDY 373 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



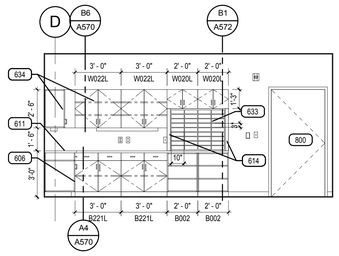
B3 WORK/STUDY 373 WEST ELEVATION
SCALE: 1/4" = 1'-0"



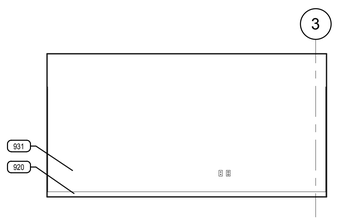
B4 WORK STUDY 373 NORTH
SCALE: 1/4" = 1'-0"



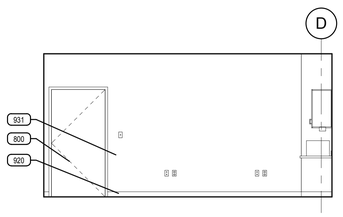
B5 WORK/STUDY 373 EAST ELEVATION
SCALE: 1/4" = 1'-0"



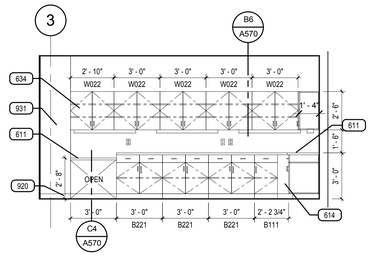
A2 MAIL ROOM 373A WEST
SCALE: 1/4" = 1'-0"



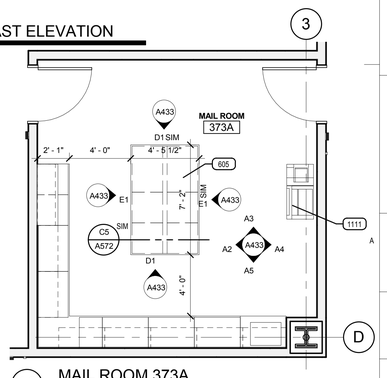
A3 MAIL ROOM 373A NORTH
SCALE: 1/4" = 1'-0"



A4 MAIL ROOM 373A EAST
SCALE: 1/4" = 1'-0"



A5 MAIL ROOM 373A SOUTH
SCALE: 1/4" = 1'-0"



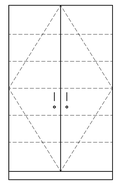
A6 MAIL ROOM 373A
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP. ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
606 WALL MOUNTED BASE CABINET WITH BLOCKING
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
611 PLASTIC LAMINATE COUNTERTOP
612 SOLID SURFACE COUNTERTOP
614 FILLER PANEL
632 PLASTIC LAMINATE END PANEL
633 WALL MOUNTED MAIL SLOTS WITH BLOCKING, SEE DETAIL B1/A572.
634 16" DEEP WALL MOUNTED UPPER CABINET WITH BLOCKING
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
1023 SIGNAGE, SEE SCHEDULE
1111 COPIER, NIC
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2604 PROVIDE POWER IN MILLWORK
2609 POWER OUTLET
2610 OCCUPANCY SENSOR
2707 DATA OUTLET
2804 FIRE ALARM HORNS AND STROBES

VCBO ARCHITECTURE
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 3

A433
Sheet Number

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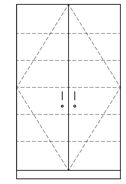
ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC… NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

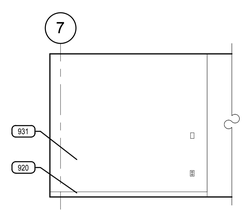
TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

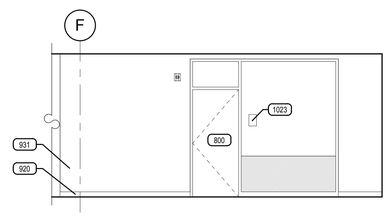
KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

608 WALL MOUNTED TALL CABINET WITH BLOCKING
614 FILLER PANEL
800 DOOR & FRAME
917 TACKABLE WALL SYSTEM
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC



B3 WAITING 350 NORTH
SCALE: 1/4" = 1'-0"



B4 WAITING 350 EAST
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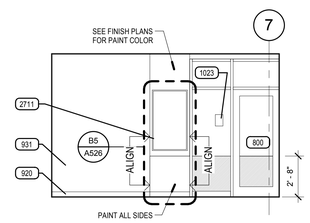

B5 WAITING 350 SOUTH
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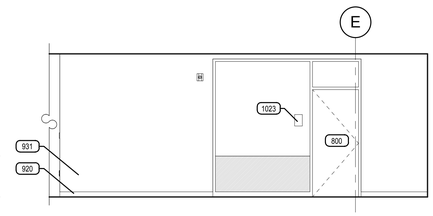
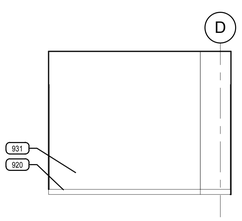


B6 WAITING 350 HALL
SCALE: 1/4" = 1'-0"



A1 FAC/STAFF LOUNGE 341 HALL WEST
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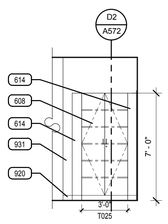

A2 FAC/STAFF LOUNGE 341 HALL EAST
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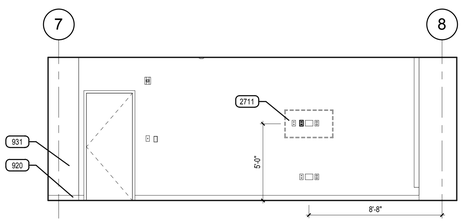

A3 FAC/STAFF LOUNGE 341 NORTH
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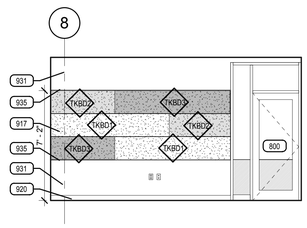

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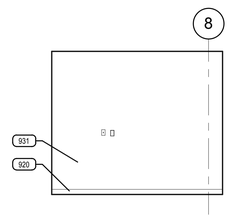

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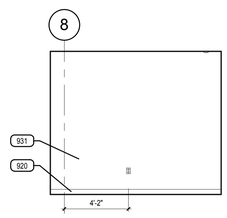

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HOLLAND CENTENNIAL COMMONS

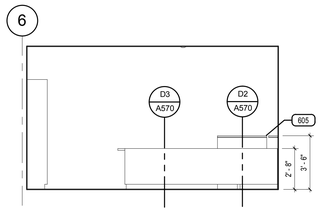
DIXIE STATE COLLEGE OF UTAH
DFCM #00297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 3

A434
Sheet Number



D1 ROOM 431 CASEWORK 04

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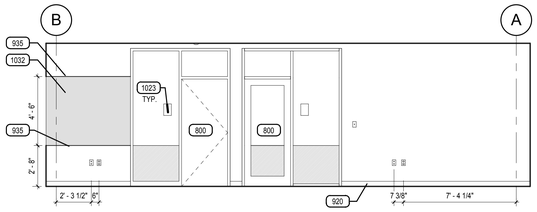
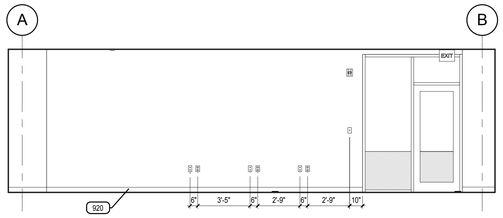


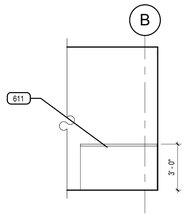
D2 WRITING CENTER 421 WEST

SCALE: 1/4" = 1'-0"



D3 WRITING CENTER 421 EAST

SCALE: 1/4" = 1'-0"



E5 WRITING CENT. 421 EAST

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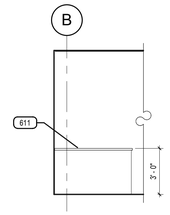
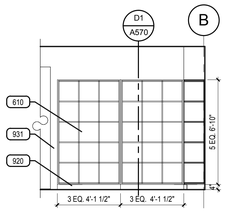


D5 WRITING CENT. 421 WEST

SCALE: 1/4" = 1'-0"



C1 ROOM 439 CASEWORK 02

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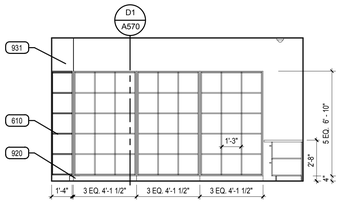

C2 ROOM 439 CASEWORK 01

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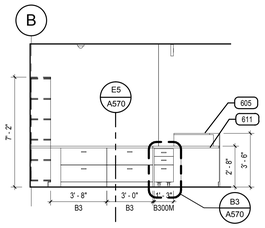

C3 ROOM 431 CASEWORK

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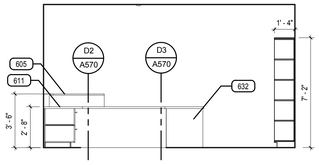

C4 ROOM 439 CASEWORK 03

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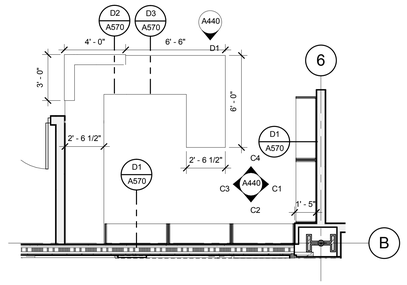

C5 SIGN IN-OUT RECEPTION AREA 431

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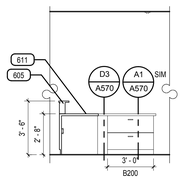

B1 SEC. 465 DESK 02

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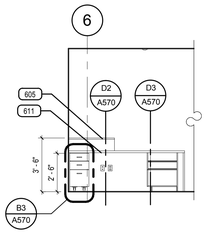

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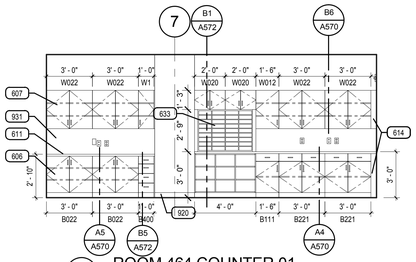

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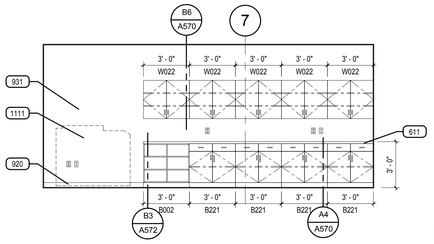
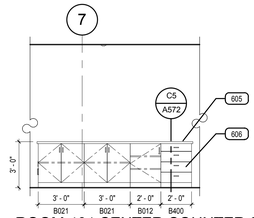


B4 ROOM 464 COUNTER 02

SCALE: 1/4" = 1'-0"



B5 ROOM 464 CENTER COUNTER 01

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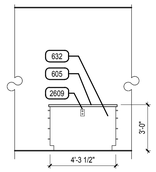
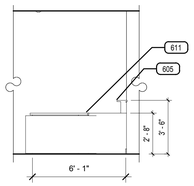


B6 ROOM 464 CENTER COUNTER 02

SCALE: 1/4" = 1'-0"



A1 SEC. 465 DESK SIDE

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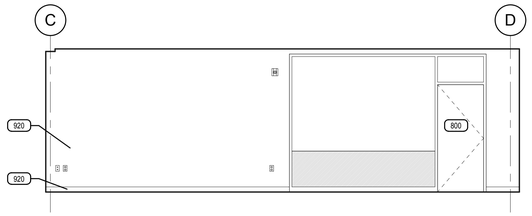

A2 FACULTY REC- 465 EAST

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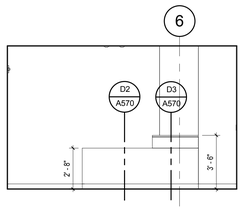

A3 FACULTY REC- 465 SOUTH

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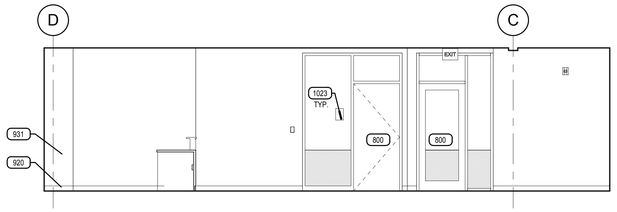

A4 FACULTY REC- 465 WEST

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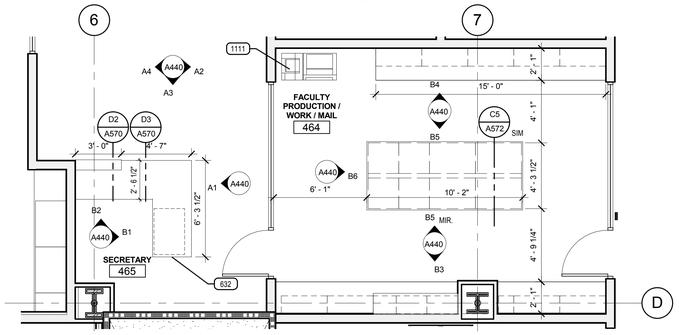


A5 FACULTY PRODUCTION/ WORK/ MAIL 464

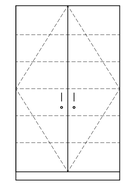
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC.... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
606 WALL MOUNTED BASE CABINET WITH BLOCKING
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
610 FREE STANDING STORAGE CUBBY CABINET
611 PLASTIC LAMINATE COUNTERTOP
612 SOLID SURFACE COUNTERTOP
614 FILLER PANEL
632 PLASTIC LAMINATE END PANEL
633 WALL MOUNTED MAIL SLOTS WITH BLOCKING, SEE DETAIL B1/A572
800 DOOR & FRAME
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1111 COPIER, NIC
2609 POWER OUTLET
2707 DATA OUTLET
2802 ELECTRONIC SURVEILLANCE

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 4

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Sheet Number

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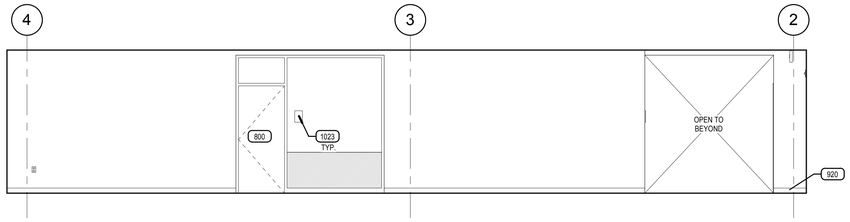

EE2 CIRCULATION 486 C SOUTH
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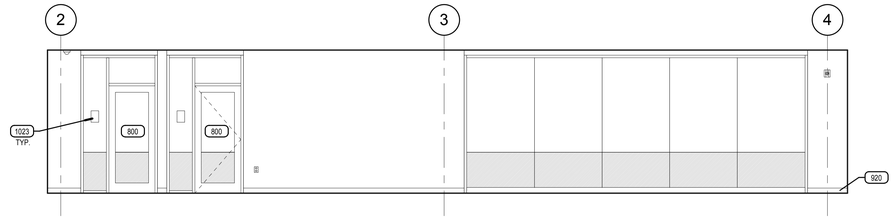

EE4 CIRCULATION 486 C NORTH
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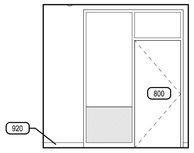
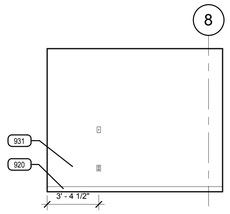


D1 TYP FACULTY OFFICE 455 WEST
SCALE: 1/4" = 1'-0"



D2 TYP FACULTY OFFICE 455 NORTH
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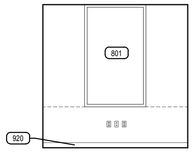

D3 TYP FACULTY OFFICE 455 EAST
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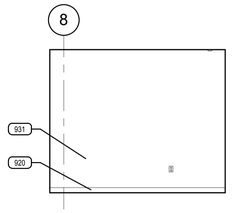

D4 TYP FACULTY OFFICE 455 SOUTH
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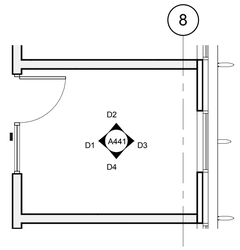

D5 TYPICAL FACULTY OFFICE LEVEL 4
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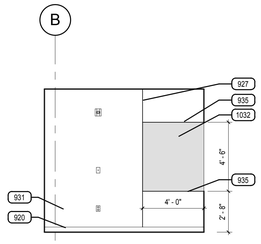
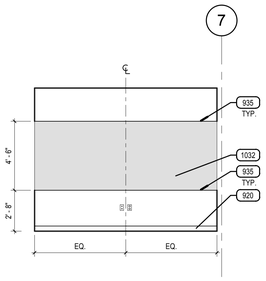


C1 TYP PRIV TUTOR RM 435-438 EAST
SCALE: 1/4" = 1'-0"



C2 TYP PRIV TUTOR RM 435-438 SOUTH
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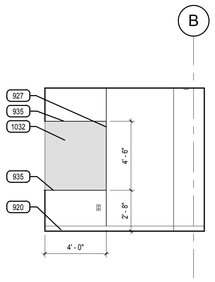

C3 TYP PRIV TUTOR RM 435-438 WEST
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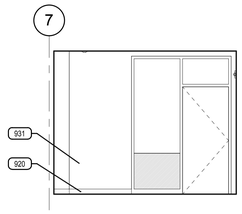

C4 TYP PRIV TUTOR RM 435-438 NORTH
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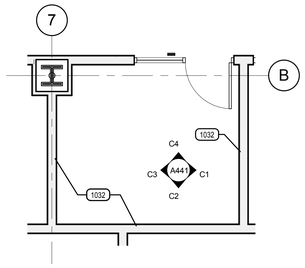
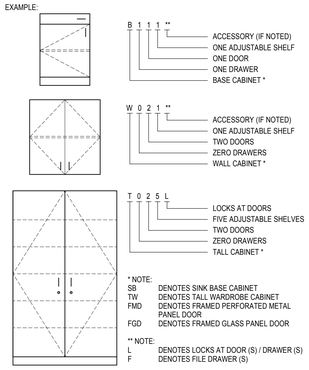


C5 TYP PRIV TUTOR RM 435-438
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:



* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
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4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
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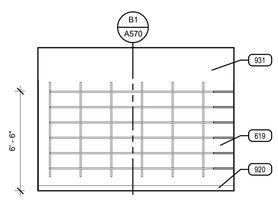
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

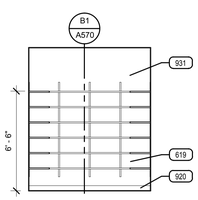
KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

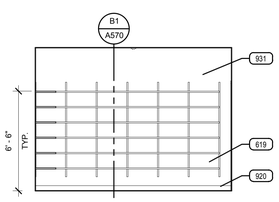
619 16" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
917 TACKABLE WALL SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC



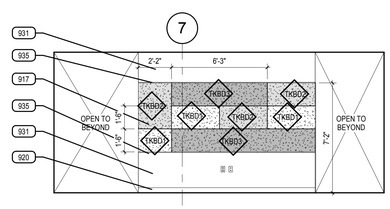
B1 STORAGE 443 WEST
SCALE: 1/4" = 1'-0"



B2 STORAGE 443 NORTH
SCALE: 1/4" = 1'-0"

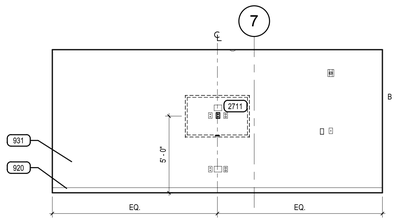


B3 STORAGE 443 EAST
SCALE: 1/4" = 1'-0"

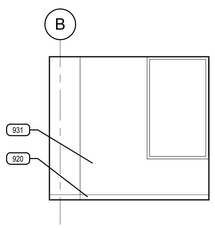


B4 FACULTY LOUNGE 461 SOUTH
SCALE: 1/4" = 1'-0"

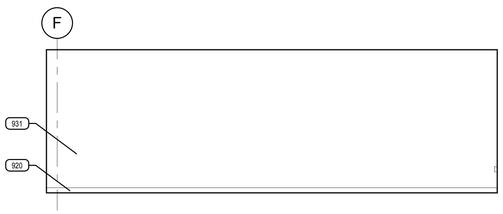
B5 FACULTY LOUNGE 461 WEST
SCALE: 1/4" = 1'-0"



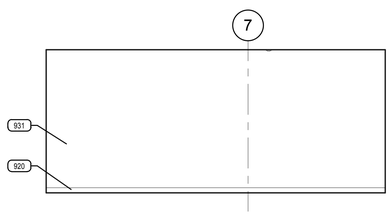
B6 FACULTY LOUNGE 461 NORTH
SCALE: 1/4" = 1'-0"



A1 PRIVATE TUTORING ROOM 435 EAST
SCALE: 1/4" = 1'-0"



A2 ADJUNCT FACULTY OFFICE 457A WEST
SCALE: 1/4" = 1'-0"



A3 ADJUNCT FACULTY OFFICE 457A NORTH
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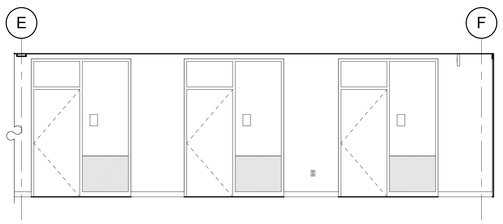

A4 ADJUNCT FACULTY OFFICE 457A EAST
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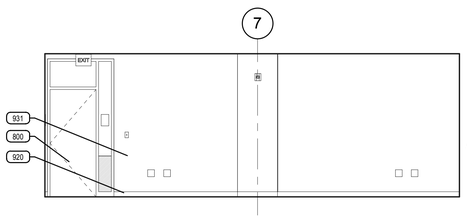

A6 ADJUNCT FACULTY OFFICE 457A SOUTH
SCALE: 1/4" = 1'-0"

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STATE OF UTAH
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #062976 40
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 4

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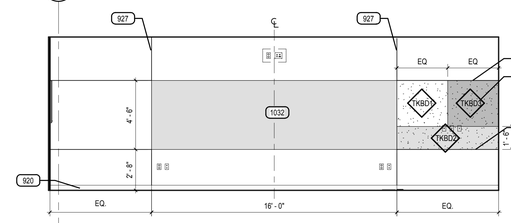

E1 CLASSROOM 477 WEST
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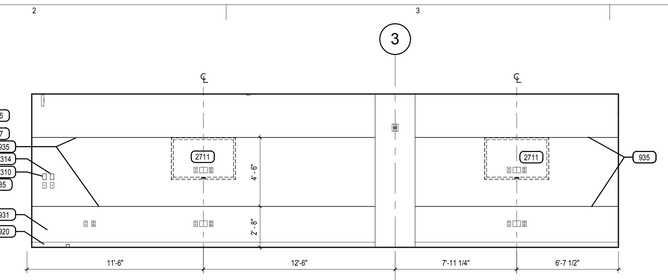

E3 CLASSROOM 477 SOUTH
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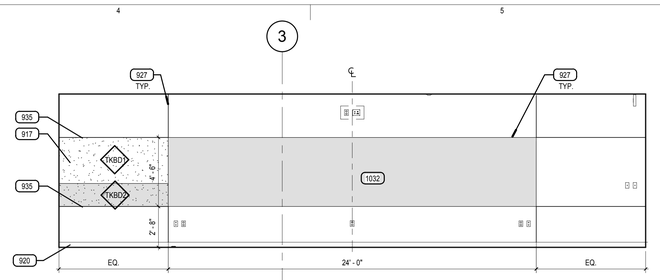

E5 CLASSROOM 477 NORTH
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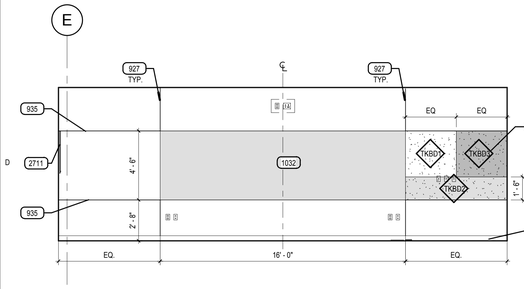

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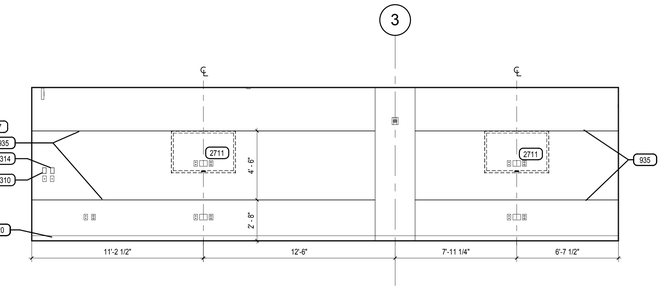

D3 CLASSROOM 476 SOUTH
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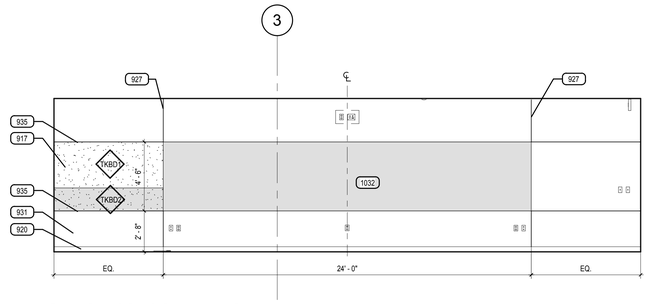

D5 CLASSROOM 476 NORTH
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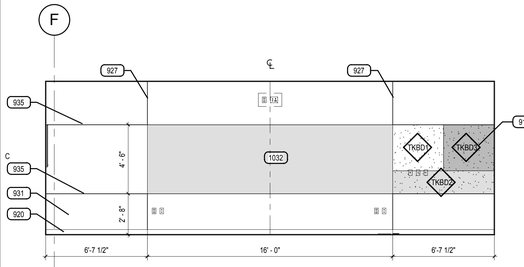
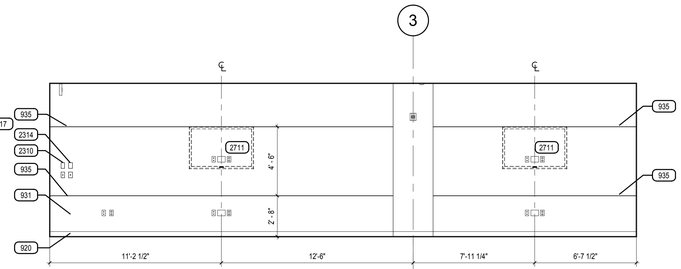
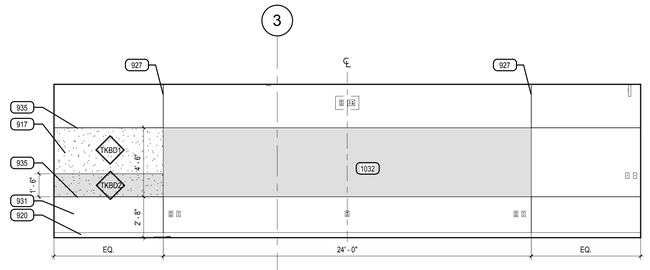


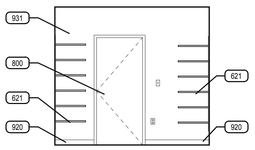
C2 CLASSROOM 475 WEST
SCALE: 1/4" = 1'-0"



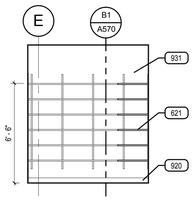
C3 CLASSROOM 475 SOUTH
SCALE: 1/4" = 1'-0"



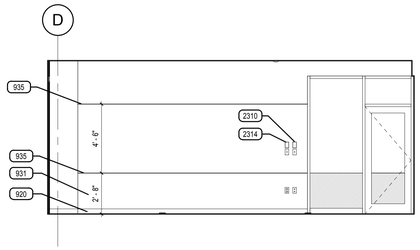
C5 CLASSROOM 475 NORTH
SCALE: 1/4" = 1'-0"



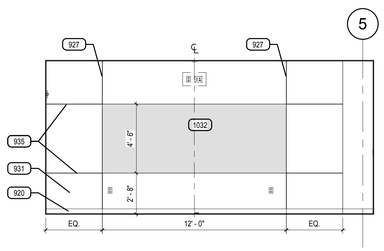
B1 CHILDRENS LIT LIBRARY 460 SOUTH
SCALE: 1/4" = 1'-0"



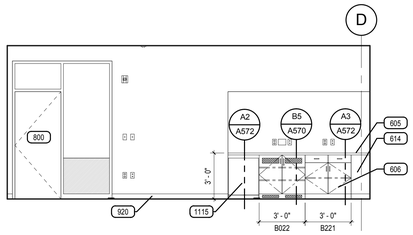
B2 CHILDRENS LIT LIBRARY 460 WEST
SCALE: 1/4" = 1'-0"



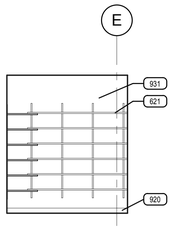
B3 CONFERENCE RM 469 WEST
SCALE: 1/4" = 1'-0"



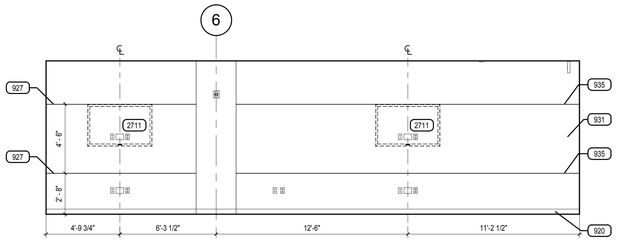
B5 CONFERENCE RM 469 SOUTH
SCALE: 1/4" = 1'-0"



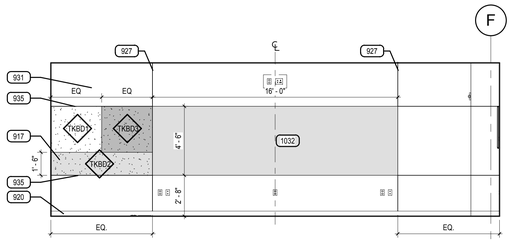
D6 CONFERENCE RM 469 EAST
SCALE: 1/4" = 1'-0"



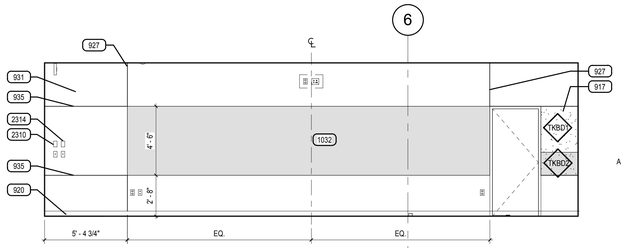
A1 CHILDRENS LIT LIBRARY 460 EAST
SCALE: 1/4" = 1'-0"



A2 CHILDREN LITERATURE CLASSROOM 471 SOUTH
SCALE: 1/4" = 1'-0"



A3 CHILDREN LITERATURE CLASSROOM 471 EAST
SCALE: 1/4" = 1'-0"



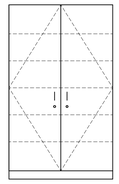
A5 CHILDREN LITERATURE CLASSROOM 471 NORTH
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC.... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
606 WALL MOUNTED BASE CABINET WITH BLOCKING
614 FILLER PANEL
621 24" ADJUSTABLE SHELVING, SEE DETAIL B1/A570
800 DOOR & FRAME
917 TACKABLE WALL SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1115 UNDER CABINET REFRIGERATOR, NIC
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

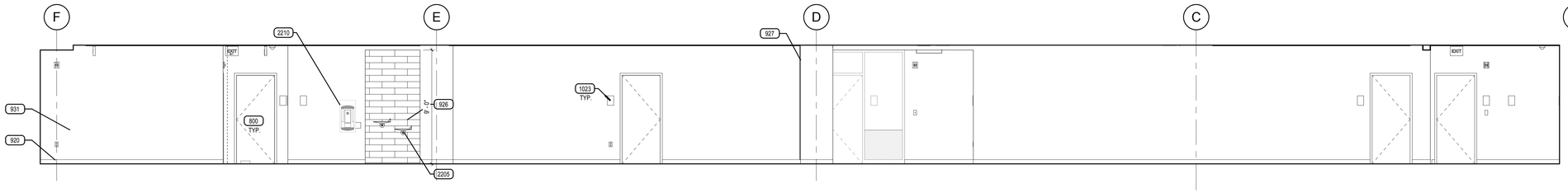
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 4

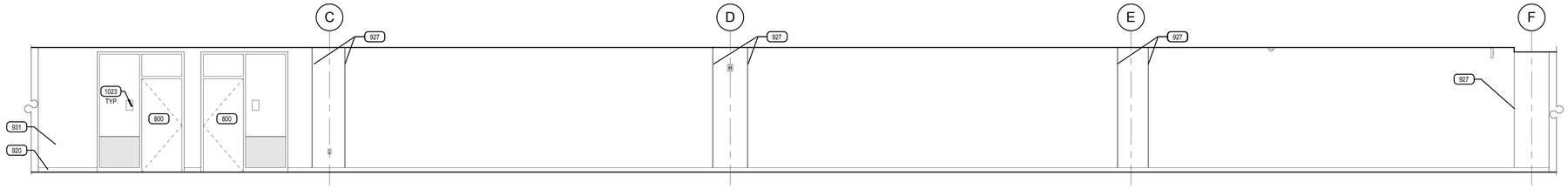
A442
Sheet Number

12/6/2010 4:05:31 PM



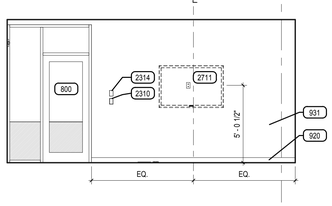
E5 CIRCULATION 486 A WEST

SCALE: 1/4" = 1'-0"



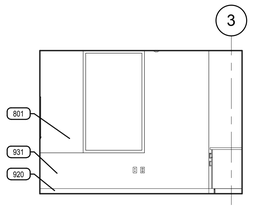
D5 CIRCULATION 486 A EAST

SCALE: 1/4" = 1'-0"



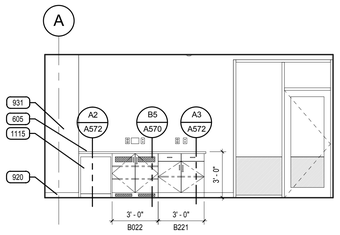
C1 CONFERENCE RM 420 WEST

SCALE: 1/4" = 1'-0"



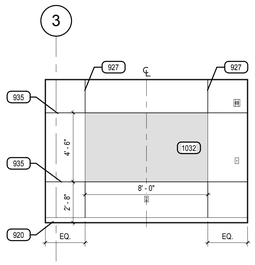
C2 CONFERENCE RM 420 NORTH

SCALE: 1/4" = 1'-0"



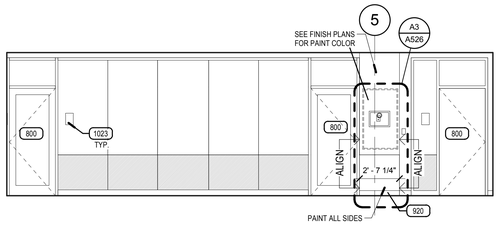
C3 CONFERENCE RM 420 EAST

SCALE: 1/4" = 1'-0"



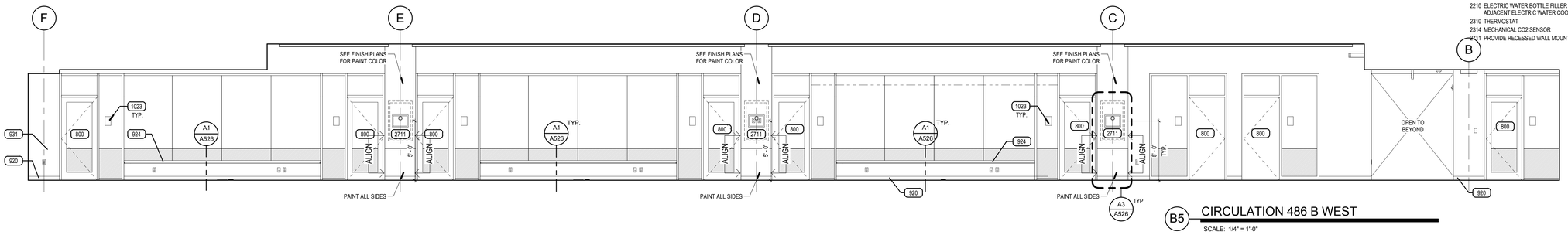
C4 CONFERENCE RM 420 SOUTH

SCALE: 1/4" = 1'-0"



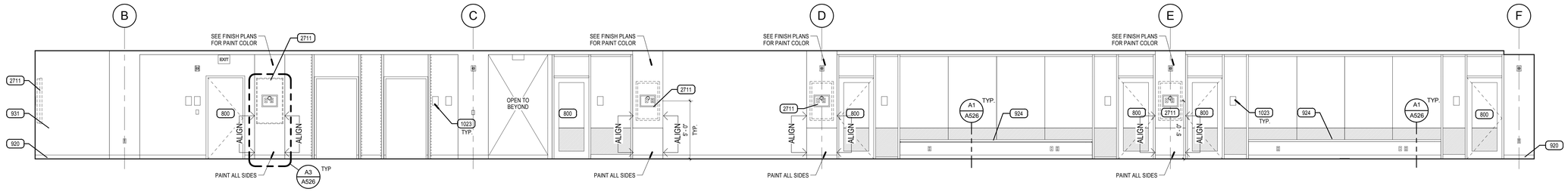
C5 CIRCULATION 486 B NORTH

SCALE: 1/4" = 1'-0"



B5 CIRCULATION 486 B WEST

SCALE: 1/4" = 1'-0"

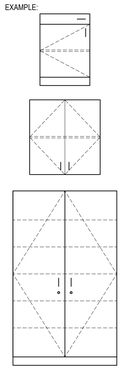


A5 CIRCULATION 486 B EAST

SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:



B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *

T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

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1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE. TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC… NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
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2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
920 SCHEDULED BASE
924 HARDWOOD BENCH TOP
926 6X24 PORCELAIN TILE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1115 UNDER CABINET REFRIGERATOR, NIC
2205 DUAL ELECTRIC WATER COOLER WITH REMOTE CHILLER
2210 ELECTRIC WATER BOTTLE FILLER UNIT (SHARES REMOTE CHILLER WITH ADJACENT ELECTRIC WATER COOLER)
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
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LICENSED ARCHITECT

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524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
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Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #0629764O

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

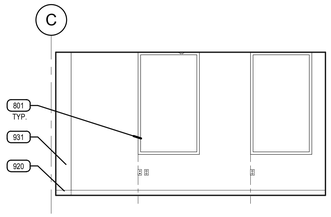
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL4

A443

Sheet Number

12/6/2010 4:05:53 PM



E1 GROUP 493 WEST
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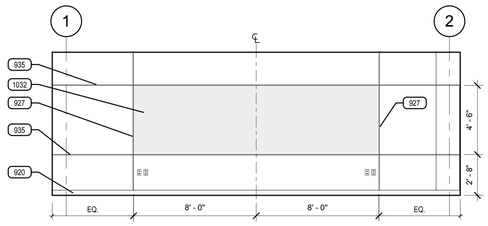
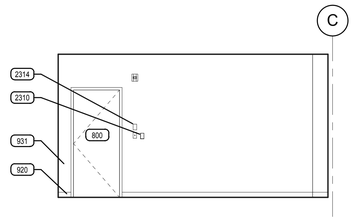
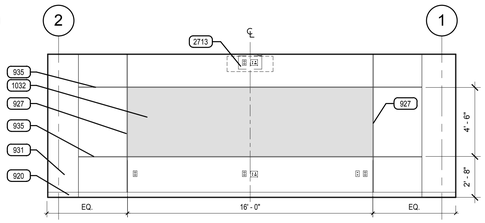


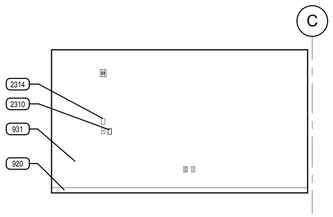
E2 GROUP 493 NORTH
SCALE: 1/4" = 1'-0"



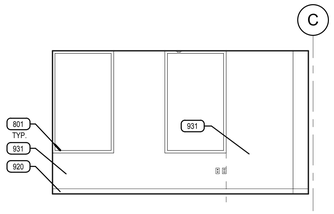
E4 GROUP 493 EAST
SCALE: 1/4" = 1'-0"



E5 GROUP 493 SOUTH
SCALE: 1/4" = 1'-0"



D1 6-8 PERSON 491 WEST
SCALE: 1/4" = 1'-0"



D2 TYP 6-8 PERSON RM 490 WEST
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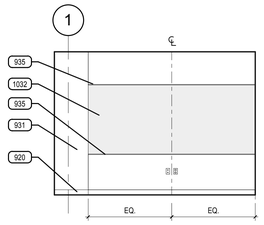
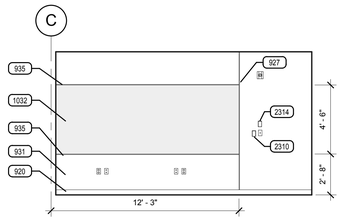
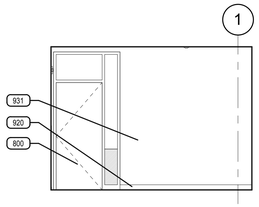


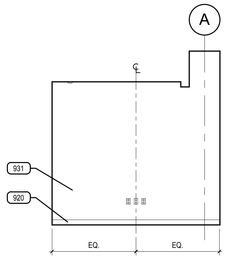
D3 TYP 6-8 PERSON RM 490 NORTH
SCALE: 1/4" = 1'-0"



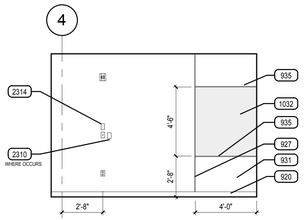
D4 TYP 6-8 PERSON RM 490 EAST
SCALE: 1/4" = 1'-0"



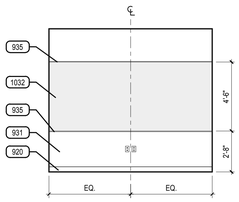
D5 TYP 6-8 PERSON RM 490 SOUTH
SCALE: 1/4" = 1'-0"



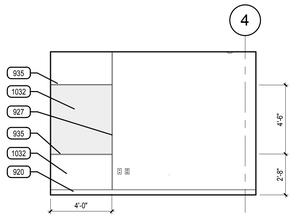
C1 OFFICE 433 WEST
SCALE: 1/4" = 1'-0"



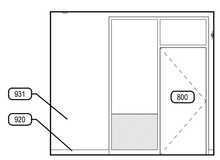
C2 TYP 4 PERSON 479 SOUTH
SCALE: 1/4" = 1'-0"



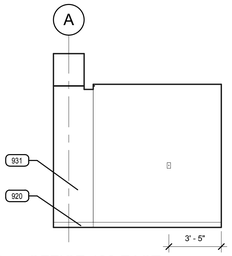
C3 TYP 4 PERSON 479 WEST
SCALE: 1/4" = 1'-0"



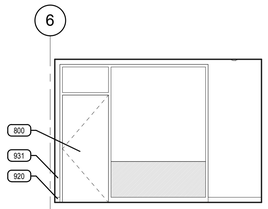
C4 TYP 4 PERSON 479 NORTH
SCALE: 1/4" = 1'-0"



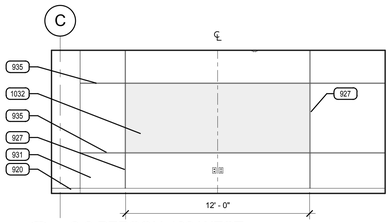
C5 TYP 4 PERSON 479 EAST
SCALE: 1/4" = 1'-0"



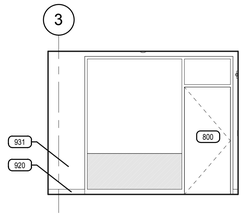
B1 OFFICE 433 EAST
SCALE: 1/4" = 1'-0"



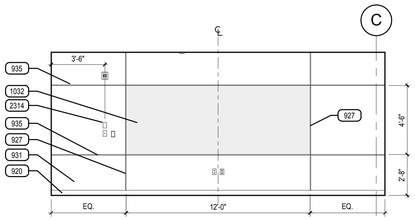
B2 OFFICE 433 SOUTH
SCALE: 1/4" = 1'-0"



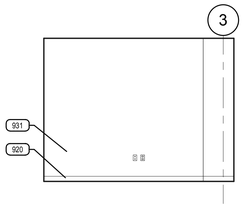
B3 6-8 PERSON 480 WEST
SCALE: 1/4" = 1'-0"



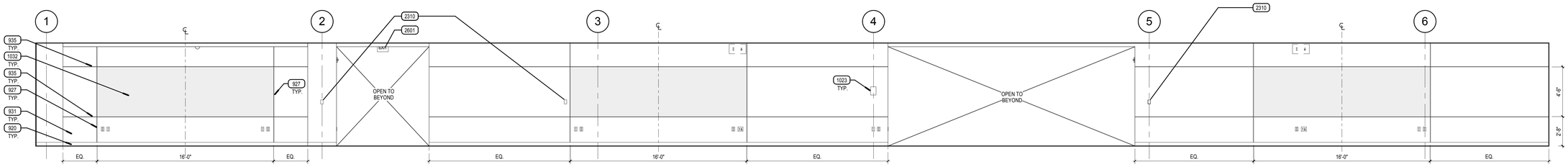
B4 6-8 PERSON 480 NORTH
SCALE: 1/4" = 1'-0"



B5 6-8 PERSON 480 EAST
SCALE: 1/4" = 1'-0"



B6 6-8 PERSON 480 SOUTH
SCALE: 1/4" = 1'-0"



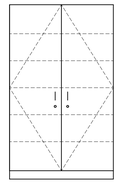
A6 COLABORATIVE STUDY 474 NORTH
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES. SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2601 EXIT SIGN
2713 WALL MOUNTED SHORT THROW PROJECTOR AND MOUNT COORDINATE EXACT LOCATION W/ ARCHITECT PRIOR TO INSTALLATION. PROVIDE 10'-0" MIN. OF EXTRA WIRE LENGTH, TYP. TO ACCOMMODATE ADJUSTMENT TO LOCATION PROVIDED.

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

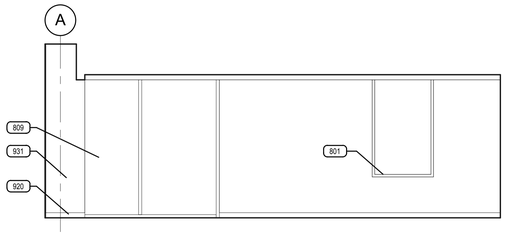
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 4

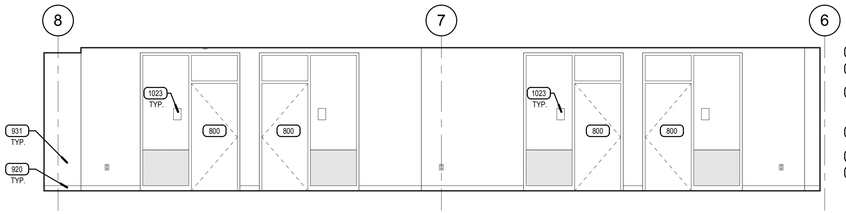
A444
Sheet Number

12/6/2010 4:06:34 PM



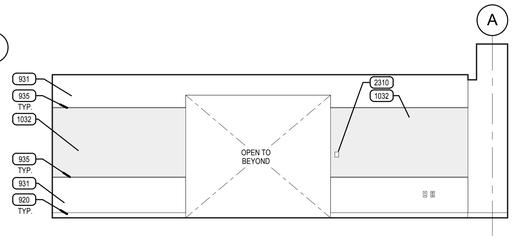
E1 TUTORING SPACE 434 EAST

SCALE: 1/4" = 1'-0"



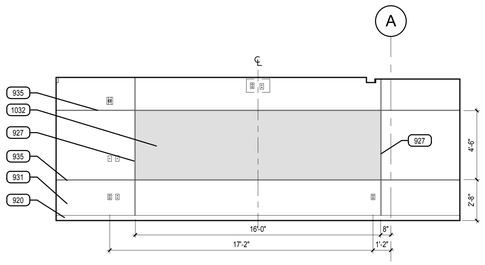
E3 TUTORING SPACE 434 SOUTH

SCALE: 1/4" = 1'-0"



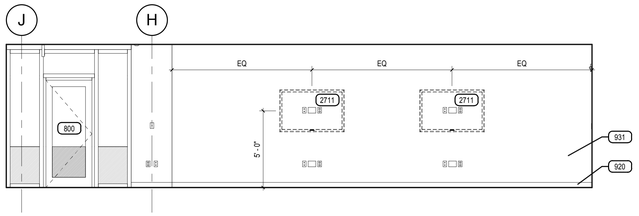
E5 TUTORING OPEN SPACE 434 WEST

SCALE: 1/4" = 1'-0"



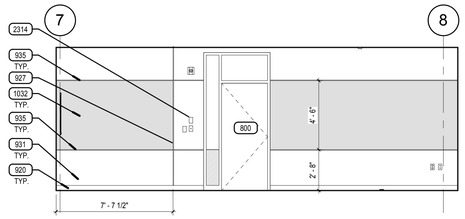
D2 CONFERENCE RM 430 WEST

SCALE: 1/4" = 1'-0"



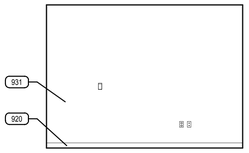
D3 ENGLISH COLL. LOUNGE 457 WEST

SCALE: 1/4" = 1'-0"



D5 ENGLISH COLL. LOUNGE 457 NORTH

SCALE: 1/4" = 1'-0"

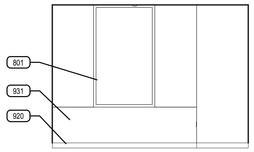


C2 ASSOC DEAN'S OFFICE 447 WEST

SCALE: 1/4" = 1'-0"

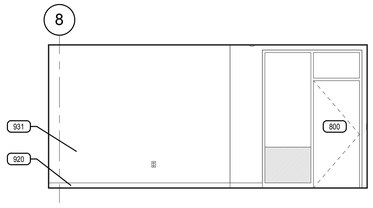
C3 ASSOC DEAN'S OFFICE 447 NORTH

SCALE: 1/4" = 1'-0"



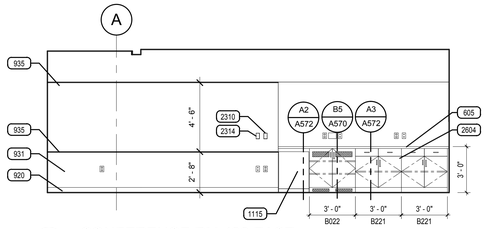
C4 ASSOC DEAN'S OFFICE 447 EAST

SCALE: 1/4" = 1'-0"



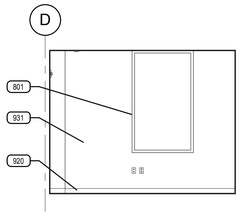
C5 ASSOC DEAN'S OFFICE 447 SOUTH

SCALE: 1/4" = 1'-0"



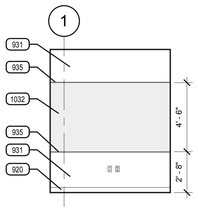
B1 CONFERENCE RM 430 EAST

SCALE: 1/4" = 1'-0"



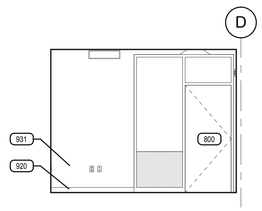
B3 4 PERSON 489 WEST

SCALE: 1/4" = 1'-0"



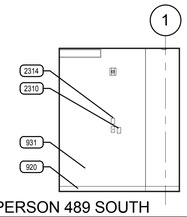
B4 4 PERSON 489 NORTH

SCALE: 1/4" = 1'-0"



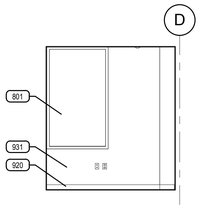
B6 4 PERSON 489 EAST

SCALE: 1/4" = 1'-0"



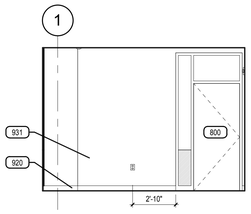
B5 4 PERSON 489 SOUTH

SCALE: 1/4" = 1'-0"



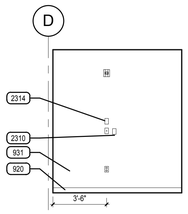
A1 4 PERSON 488 WEST

SCALE: 1/4" = 1'-0"



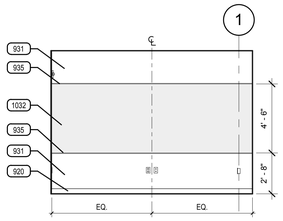
A2 4 PERSON 488 NORTH

SCALE: 1/4" = 1'-0"



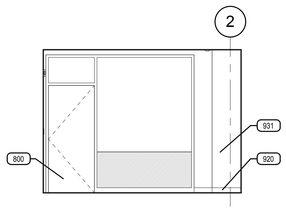
A3 4 PERSON 488 EAST

SCALE: 1/4" = 1'-0"



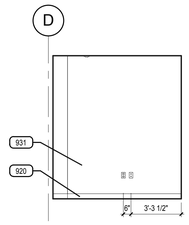
A4 4 PERSON 488 SOUTH

SCALE: 1/4" = 1'-0"



A5 4 PERSON 487 NORTH

SCALE: 1/4" = 1'-0"

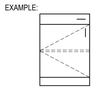


A6 4 PERSON 487 EAST

SCALE: 1/4" = 1'-0"

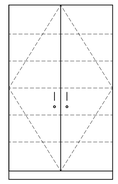
ARCHITECTURAL MILLWORK KEY

EXAMPLE:



B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR ($) / DRAWER ($)
F	DENOTES FILE DRAWER ($)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
809 CURTAIN WALL SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1115 UNDER CABINET REFRIGERATOR, NIC
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2604 PROVIDE POWER IN MILLWORK
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC

VCBO
ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #09297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

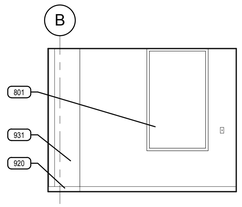
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 4

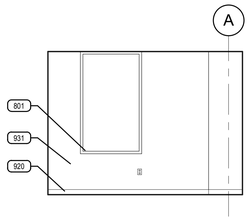
A445

Sheet Number

12/6/2010 4:07:11 PM



E1 FACULTY OFFICE 425 WEST
SCALE: 1/4" = 1'-0"



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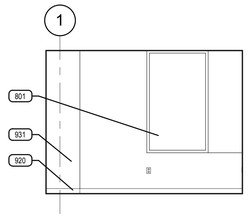

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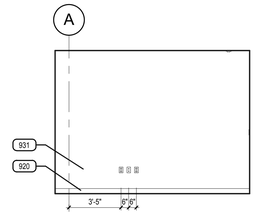

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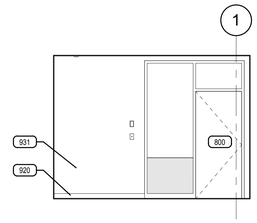

E5 FACULTY OFFICE 416 SOUTH
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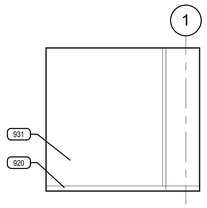

D1 FACULTY OFFICE 425 SOUTH
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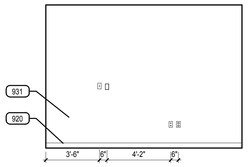

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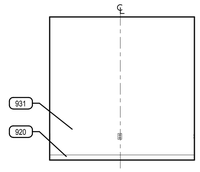

D3 OFFICE 444 NORTH
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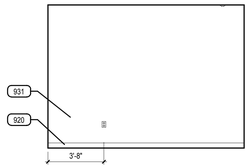

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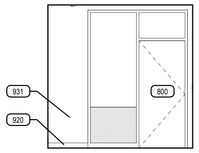

D5 OFFICE 444 SOUTH
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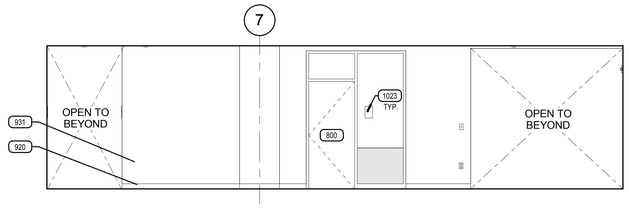
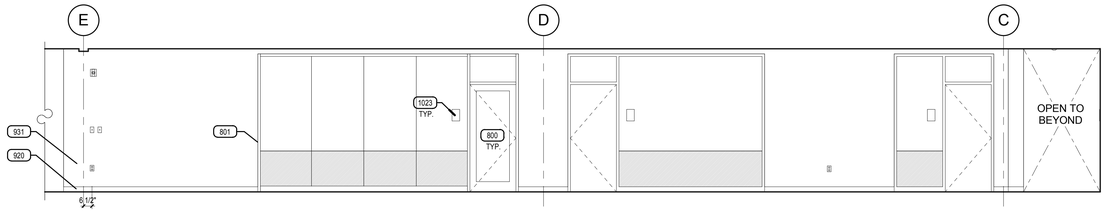


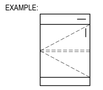
C1 CORRIDOR 465A SOUTH
SCALE: 1/4" = 1'-0"



C5 CORRIDOR 465A WEST
SCALE: 1/4" = 1'-0"

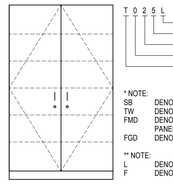
ARCHITECTURAL MILLWORK KEY

EXAMPLE:



B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:
- SB DENOTES SINK BASE CABINET
- TW DENOTES TALL WARDROBE CABINET
- FMD DENOTES FRAMED PERFORATED METAL PANEL DOOR
- FGD DENOTES FRAMED GLASS PANEL DOOR

** NOTE:
- L DENOTES LOCKS AT DOOR (S) / DRAWER (S)
- F DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE. TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC… NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

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5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
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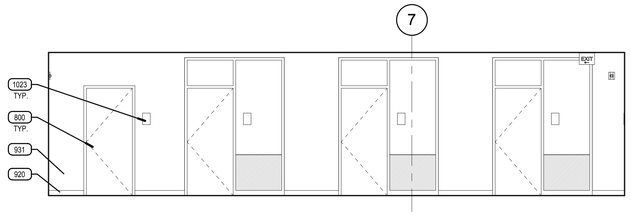
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

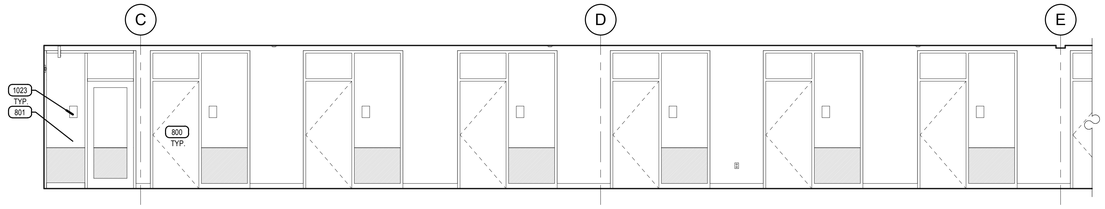
KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

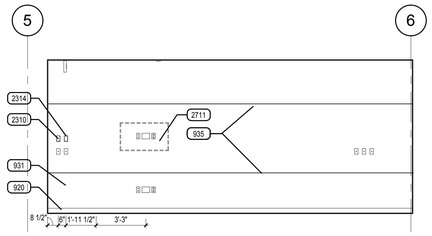
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
917 TACKABLE WALL SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC



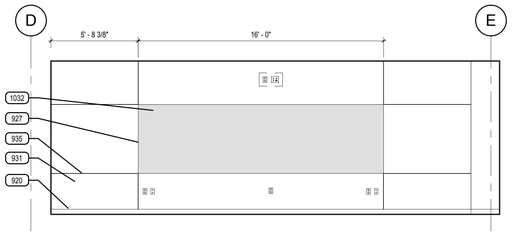
B2 CORRIDOR 465A NORTH
SCALE: 1/4" = 1'-0"



B6 CORRIDOR 465A EAST
SCALE: 1/4" = 1'-0"



A1 STUDENT LAB & WS 470 NORTH
SCALE: 1/4" = 1'-0"



A2 STUDENT LAB & WS 470 EAST
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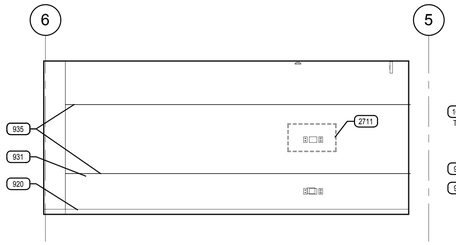
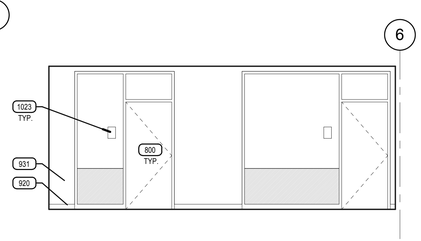
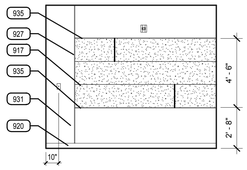


A4 STUDENT LAB & WS 470 SOUTH
SCALE: 1/4" = 1'-0"



A5 SIGN IN-OUT REC. 431 NORTH
SCALE: 1/4" = 1'-0"



A6 SIGN IN-OUT REC. 431 WEST
SCALE: 1/4" = 1'-0"

VCBO
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CRANE
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ONYON
SASAKI

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

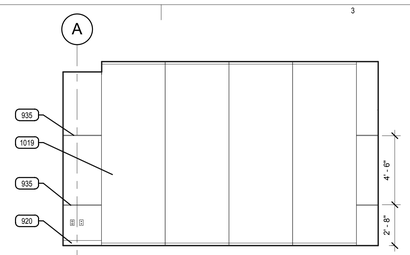
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 4

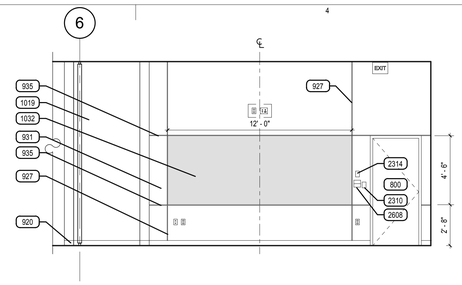
A446
Sheet Number

12/6/2010 4:07:46 PM



E2 OVERFLOW 536 EAST

SCALE: 1/4" = 1'-0"



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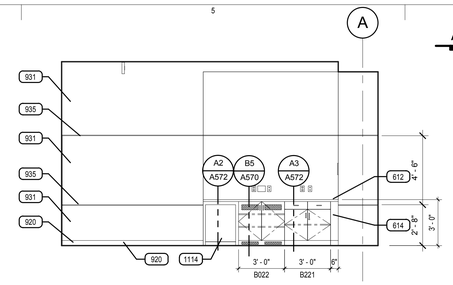

E5 OVERFLOW 536 WEST

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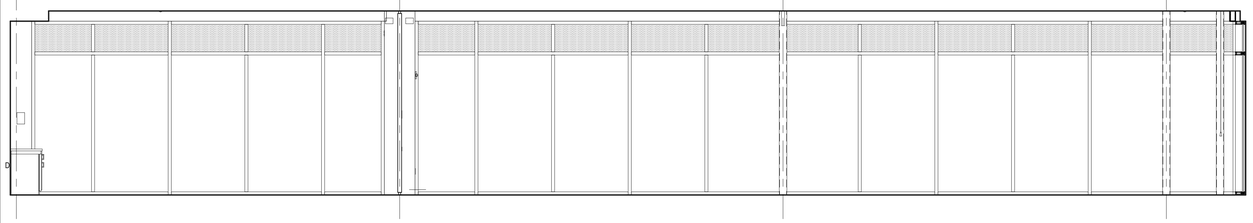
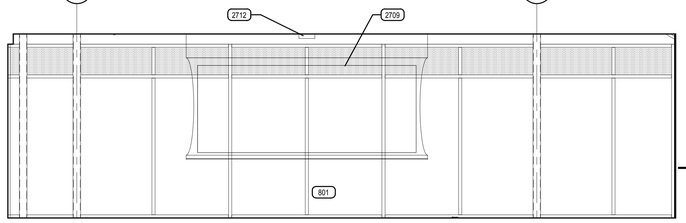


D3 ZION RM 537 NORTH

SCALE: 1/4" = 1'-0"

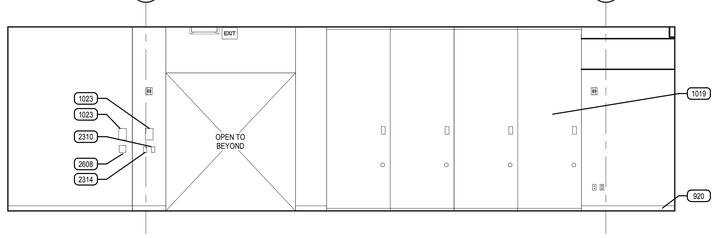


D5 ZION RM 537 EAST

SCALE: 1/4" = 1'-0"

C3 ZION RM 537 SOUTH

SCALE: 1/4" = 1'-0"



C5 ZION RM 537 WEST

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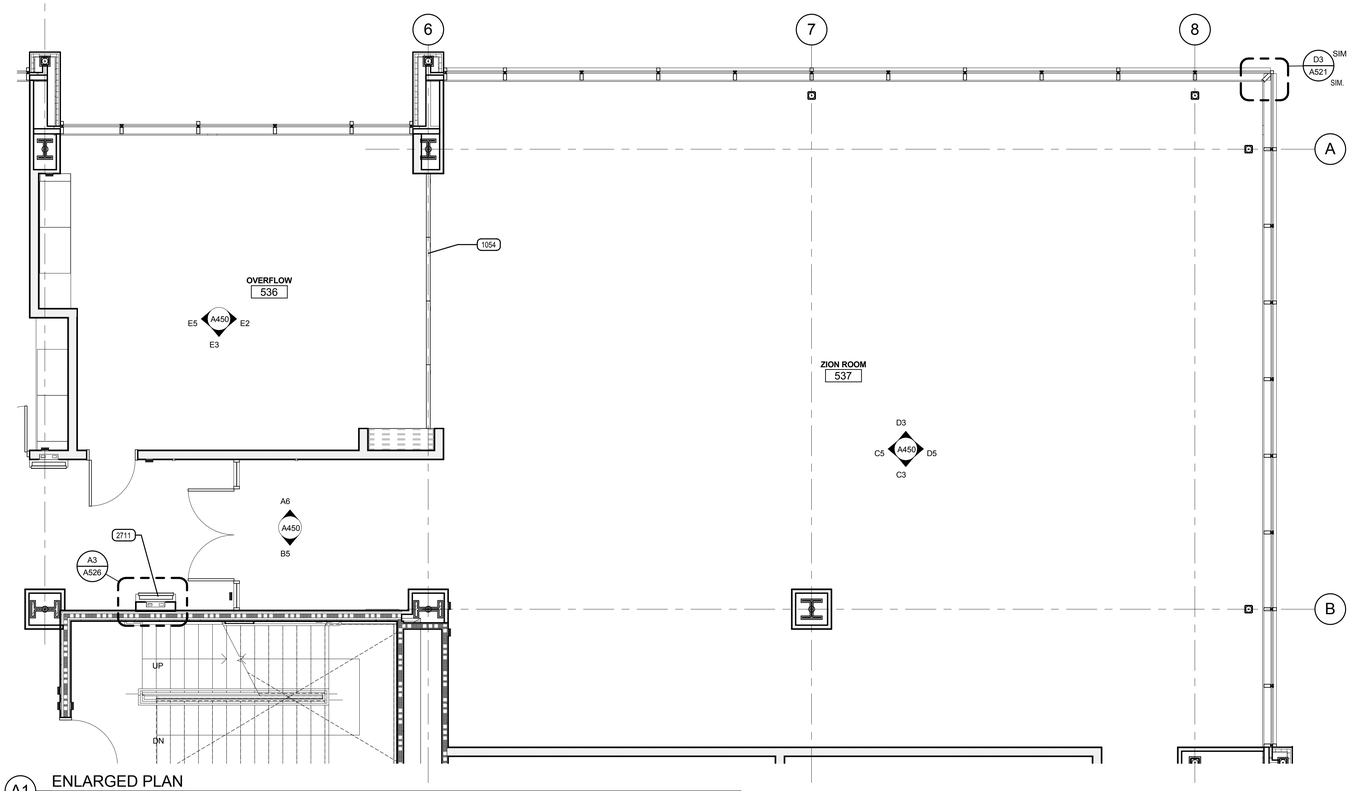
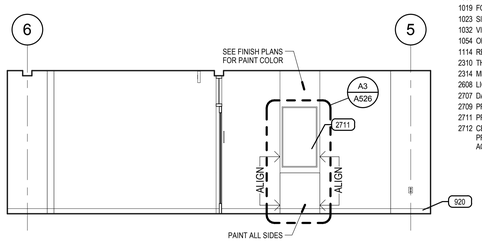


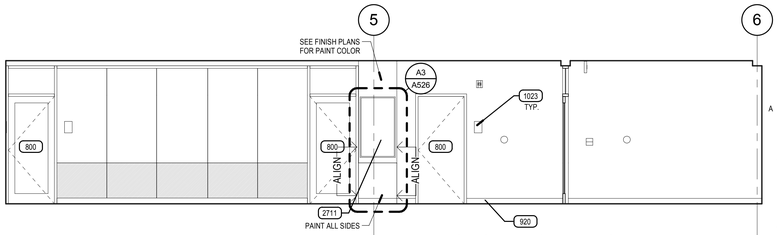
A1 ENLARGED PLAN

SCALE: 1/4" = 1'-0"



B5 ZION ROOM 537 ENTRY SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



A6 CIRCULATION 576 NORTH B

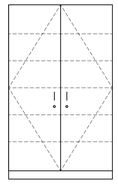
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

612 SOLID SURFACE COUNTERTOP
614 FILLER PANEL
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
811 ACCESSIBLE DOOR ACTIVATOR
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1019 FOLDING PANEL PARTITION
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1054 OPERABLE PANEL PARTITION WALL
1114 REFRIGERATOR, NIC, CONTRACTOR TO CONNECT ICEMAKER
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2608 LIGHT SWITCH
2707 DATA OUTLET
2709 PROJECTION SCREEN
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC
2712 CEILING MOUNTED PROJECTOR AND MOUNT COORDINATE EXACT LOCATION WI ARCHITECT PRIOR TO INSTALLATION. PROVIDE 10'-0" MIN. OF EXTRA WIRE LENGTH, TYP. TO ACCOMMODATE ADJUSTMENT TO LOCATION PROVIDED.

VCBO
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SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

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524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

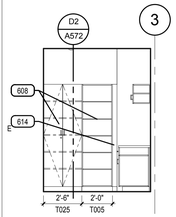
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 5

A450

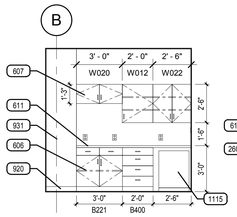
Sheet Number

12/6/2010 4:08:08 PM



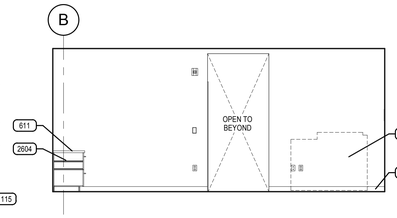
E1.1 STORAGE 528 S

SCALE: 1/4" = 1'-0"



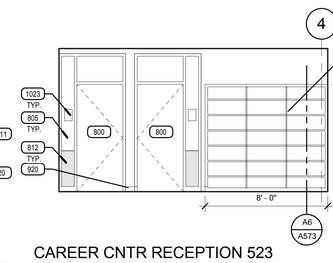
E1.2 STORAGE 528 W

SCALE: 1/4" = 1'-0"



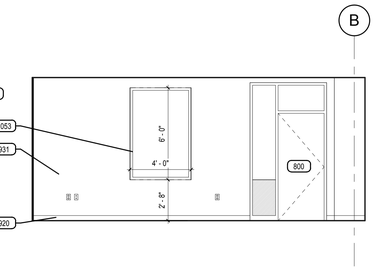
E2 CAR. CNTR RECEPTION 523 W

SCALE: 1/4" = 1'-0"



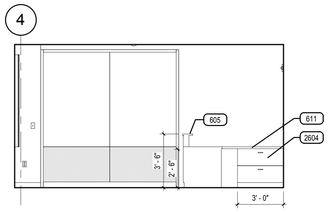
E3 CAREER CNTR RECEPTION 523 NORTH

SCALE: 1/4" = 1'-0"



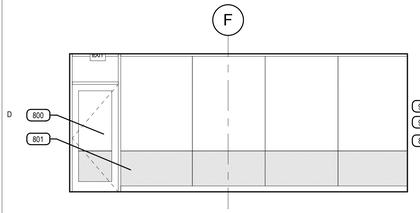
E4 CAREER CNTR RECEPTION 523 EAST

SCALE: 1/4" = 1'-0"



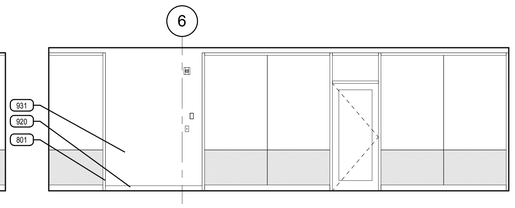
E5 CAREER CNTR RECEPTION 523 SOUTH

SCALE: 1/4" = 1'-0"



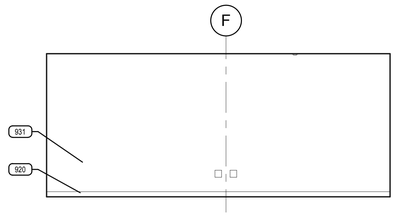
D1 OPEN OFFICE 568 WEST

SCALE: 1/4" = 1'-0"



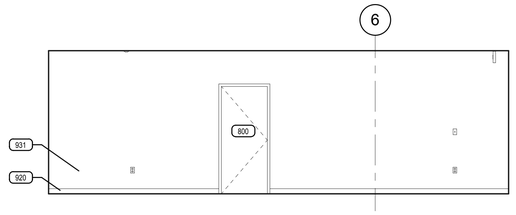
D2 OPEN OFFICE 568 NORTH

SCALE: 1/4" = 1'-0"



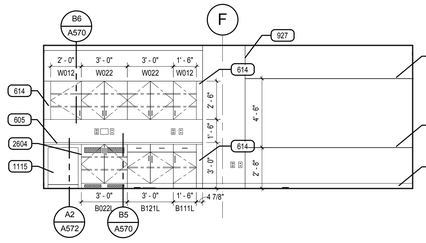
D3 OPEN OFFICE 568 EAST

SCALE: 1/4" = 1'-0"



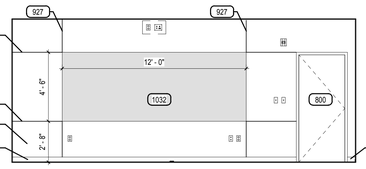
D5 OPEN OFFICE 568 SOUTH

SCALE: 1/4" = 1'-0"



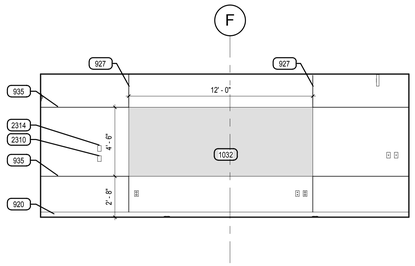
C1 LDR CONF RM 570 EAST

SCALE: 1/4" = 1'-0"



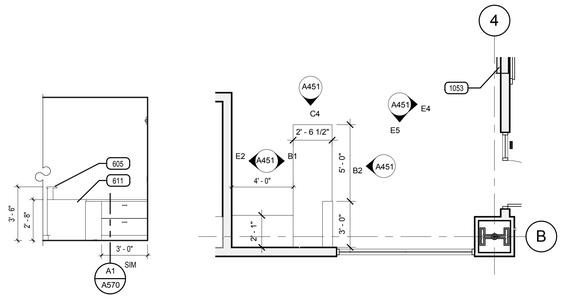
C2 LDR CONF RM 570 SOUTH

SCALE: 1/4" = 1'-0"



C3 LDR CONF RM 570 WEST

SCALE: 1/4" = 1'-0"

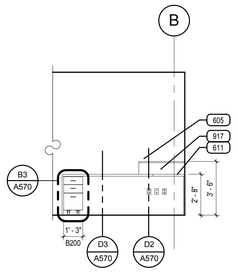


C4 ROOM 523 CASEWORK 01

SCALE: 1/4" = 1'-0"

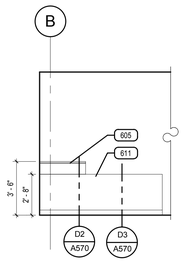
C5 RECEPTION 523

SCALE: 1/4" = 1'-0"



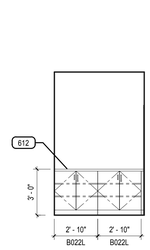
B1 ROOM 523 CASEWORK 02

SCALE: 1/4" = 1'-0"



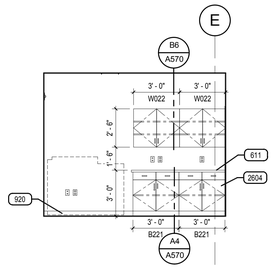
B2 ROOM 523 CASEWORK 03

SCALE: 1/4" = 1'-0"



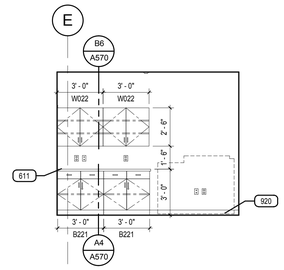
B3 CHECK 552A EAST

SCALE: 1/4" = 1'-0"



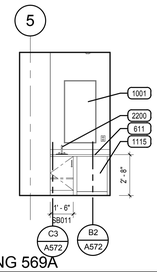
B4 WORK/COPY 552 WEST

SCALE: 1/4" = 1'-0"



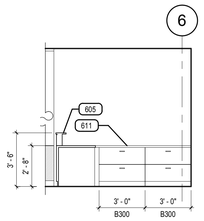
B5 WORK/COPY 552 EAST

SCALE: 1/4" = 1'-0"



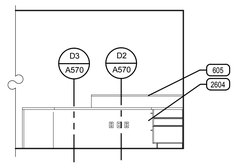
A1 NURSING 569A

SCALE: 1/4" = 1'-0"



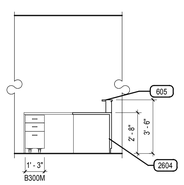
A2 ROOM 551 CASEWORK 01

SCALE: 1/4" = 1'-0"



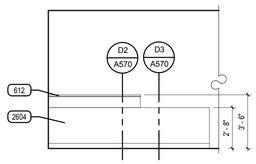
A3 ROOM 551 CASEWORK 02

SCALE: 1/4" = 1'-0"



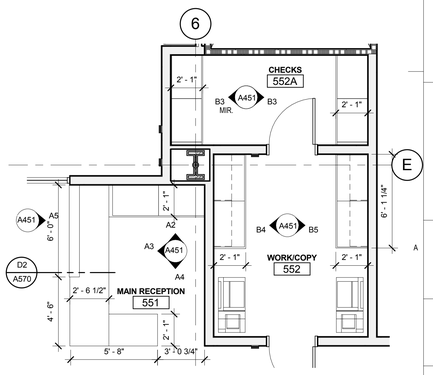
A4 ROOM 551 CASEWORK 03

SCALE: 1/4" = 1'-0"



A5 ROOM 551 CASEWORK 04

SCALE: 1/4" = 1'-0"

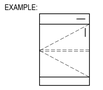


A6 WORK/COPY 571

SCALE: 1/4" = 1'-0"

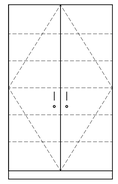
ARCHITECTURAL MILLWORK KEY

EXAMPLE:



B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
606 WALL MOUNTED BASE CABINET WITH BLOCKING
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
608 WALL MOUNTED TALL CABINET WITH BLOCKING
609 WALL MOUNTED BOOK SHELVES
611 PLASTIC LAMINATE COUNTERTOP
612 SOLID SURFACE COUNTERTOP
614 FILLER PANEL
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
812 SEMI-OPAQUE ETCHED GLAZING
917 TACKABLE WALL SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1001 MIRROR
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1053 GLASS DISPLAY CASE
1111 COPIER, NIC
1115 UNDER CABINET REFRIGERATOR, NIC
2200 SINK AND FAUCET
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2604 PROVIDE POWER IN MILLWORK

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

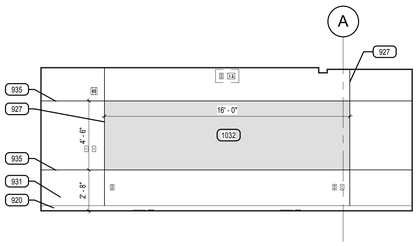
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 5

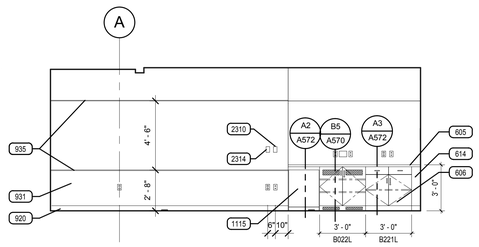
A451

Sheet Number

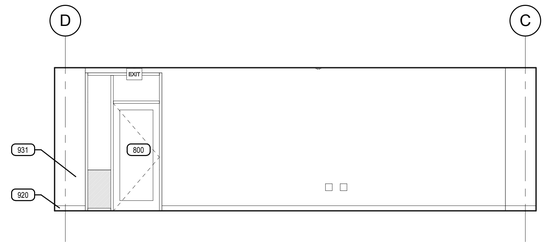
12/6/2010 4:08:55 PM



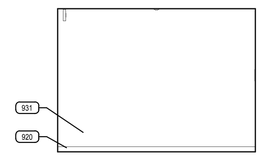
E1 CONFERENCE RM 535 WEST
SCALE: 1/4" = 1'-0"



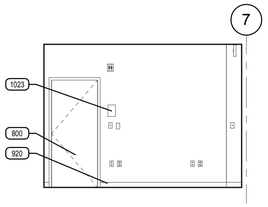
E2 CONFERENCE RM 535 EAST
SCALE: 1/4" = 1'-0"



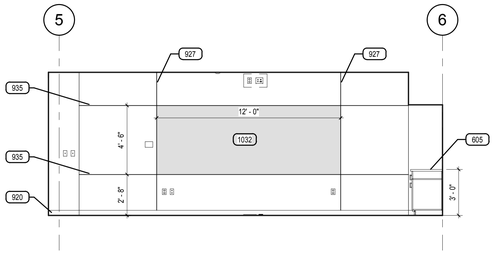
E3 OPEN OFFICE 544 WEST
SCALE: 1/4" = 1'-0"



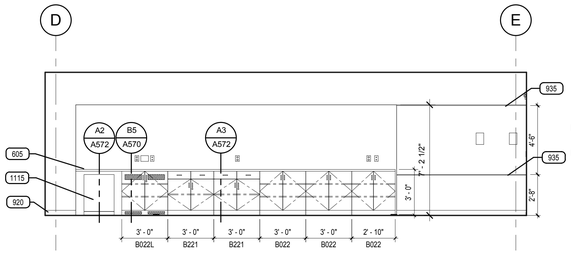
E5 OPEN OFFICE 544 NORTH
SCALE: 1/4" = 1'-0"



D1 OPEN OFFICE 544 SOUTH
SCALE: 1/4" = 1'-0"



D2 CONFERENCE RM 550 NORTH
SCALE: 1/4" = 1'-0"



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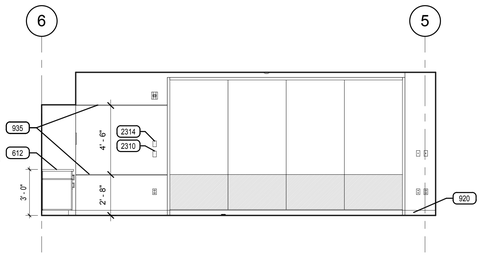
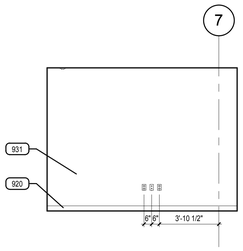
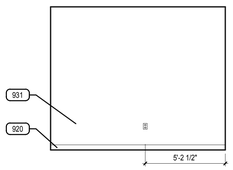


D5 CONFERENCE RM 550 SOUTH
SCALE: 1/4" = 1'-0"



C1 TYP CLOSED OFFICE 555 SOUTH
SCALE: 1/4" = 1'-0"



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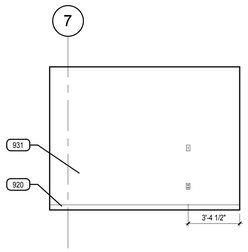
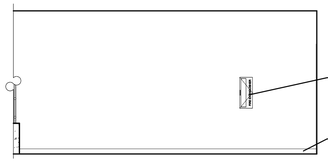
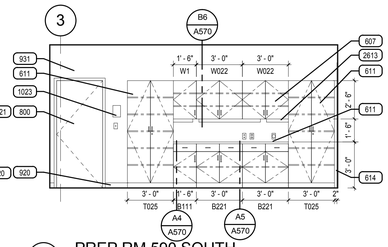
SCALE: 1/4" = 1'-0"



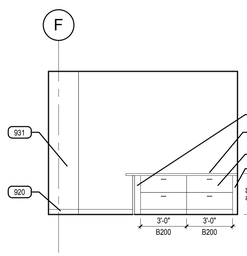
C3 TYP CLOSED OFFICE 555 NORTH
SCALE: 1/4" = 1'-0"



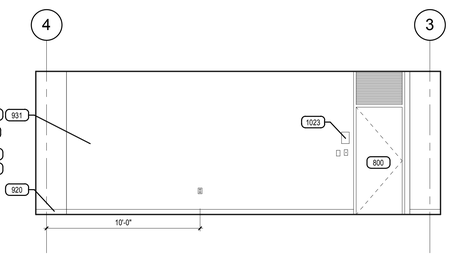
C4 PREP RM 590 EAST
SCALE: 1/4" = 1'-0"



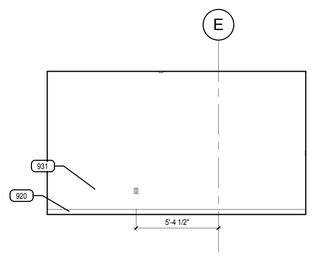
C5 PREP RM 590 SOUTH
SCALE: 1/4" = 1'-0"



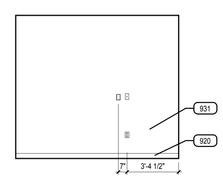
B1 LDR REC 571 WEST
SCALE: 1/4" = 1'-0"



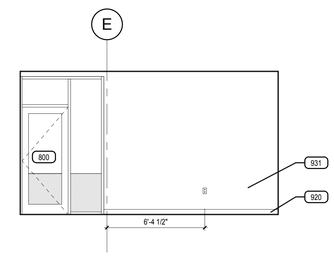
B2 LDR REC 571 SOUTH
SCALE: 1/4" = 1'-0"



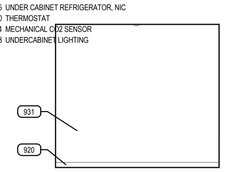
B3 COI OFFICE 591 WEST
SCALE: 1/4" = 1'-0"



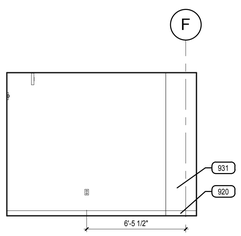
B4 COI OFFICE 591 NORTH
SCALE: 1/4" = 1'-0"



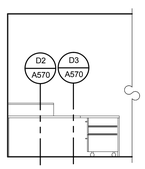
B5 COI OFFICE 591 EAST
SCALE: 1/4" = 1'-0"



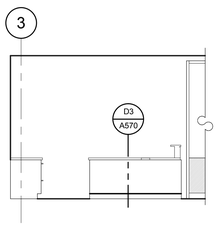
B6 COI OFFICE 591 SOUTH
SCALE: 1/4" = 1'-0"



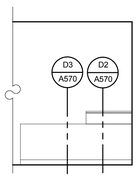
A1 LDR REC 571 EAST
SCALE: 1/4" = 1'-0"



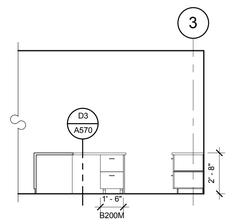
A2 LDR REC 571 DESK EAST
SCALE: 1/4" = 1'-0"



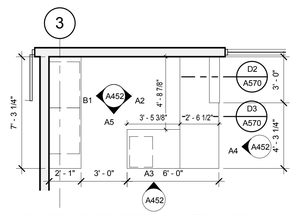
A3 LDR REC 571 DESK NORTH
SCALE: 1/4" = 1'-0"



A4 LDR REC 571 DESK WEST
SCALE: 1/4" = 1'-0"



A5 LDR REC 571 DESK SOUTH
SCALE: 1/4" = 1'-0"



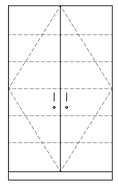
A6 LEADERS RECEPTION 571 DESK
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:
- SB DENOTES SINK BASE CABINET
- TW DENOTES TALL WARDROBE CABINET
- FMD DENOTES FRAMED PERFORATED METAL PANEL DOOR
- FGD DENOTES FRAMED GLASS PANEL DOOR

** NOTE:
- L DENOTES LOCKS AT DOOR (S) / DRAWER (S)
- F DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
606 WALL MOUNTED BASE CABINET WITH BLOCKING
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
611 PLASTIC LAMINATE COUNTERTOP
612 SOLID SURFACE COUNTERTOP
614 FILLER PANEL
800 DOOR & FRAME
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1021 RECESSED FIRE EXTINGUISHER CABINET W/ FE, SEE DETAIL C3/A520
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1115 UNDER CABINET REFRIGERATOR, NIC
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2613 UNDERCABINET LIGHTING

VCBO ARCHITECTURE
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 5

A452
Sheet Number

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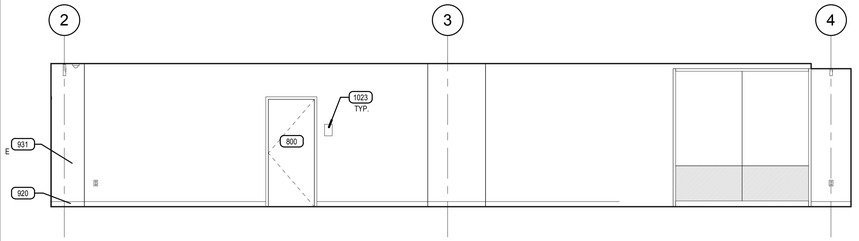
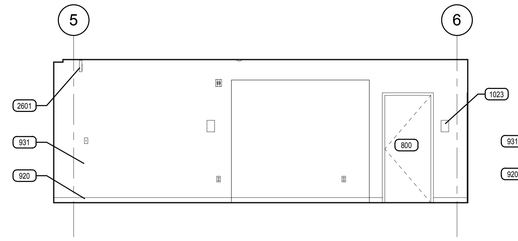


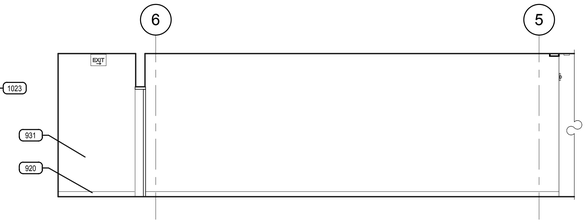
E1 CIRCULATION 576 NORTH A

SCALE: 1/4" = 1'-0"



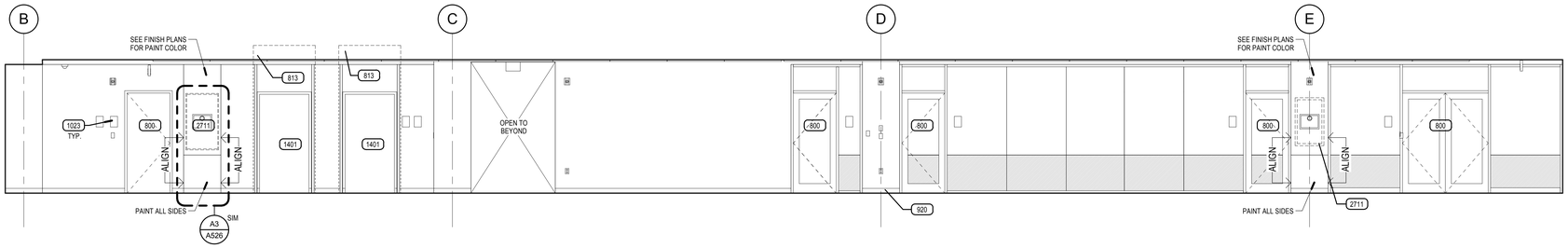
E3 CIRC. 576 NORTH

SCALE: 1/4" = 1'-0"



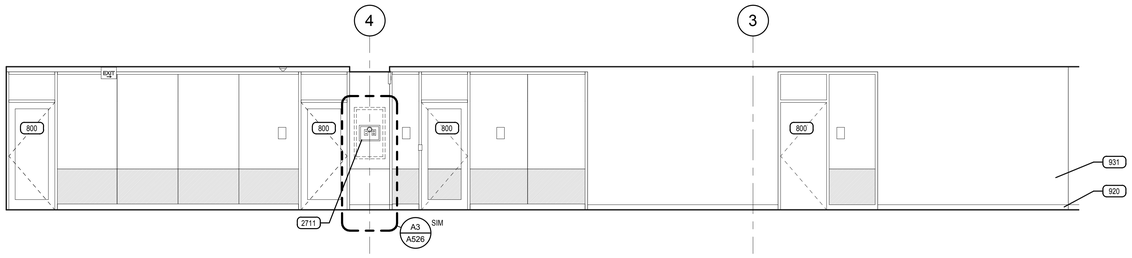
E5 CIRC. 576 SOUTH

SCALE: 1/4" = 1'-0"



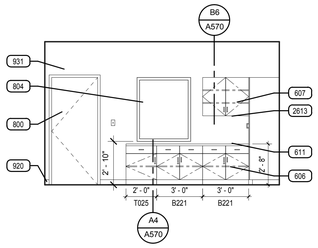
D1 CIRCULATION 576 EAST

SCALE: 1/4" = 1'-0"



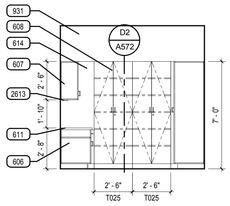
C1 CIRCULATION 576 SOUTH

SCALE: 1/4" = 1'-0"



C4 STORAGE 541A EAST

SCALE: 1/4" = 1'-0"

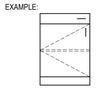


C5 STORAGE 541 SOUTH

SCALE: 1/4" = 1'-0"

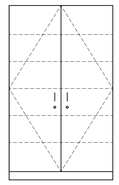
ARCHITECTURAL MILLWORK KEY

EXAMPLE:



B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

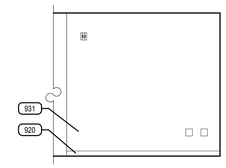
TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

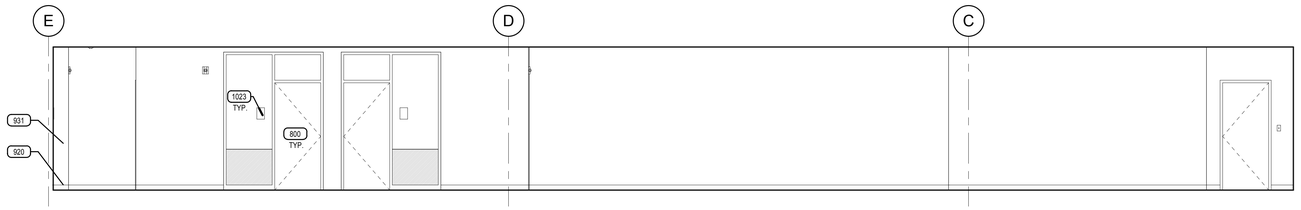
GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
606 WALL MOUNTED BASE CABINET WITH BLOCKING
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
608 WALL MOUNTED TALL CABINET WITH BLOCKING
611 PLASTIC LAMINATE COUNTERTOP
614 FILLER PANEL
800 DOOR & FRAME
804 ALUMINUM WINDOW SYSTEM
809 CURTAIN WALL SYSTEM
813 ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM, SEE DETAIL C2/A541
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
1023 SIGNAGE, SEE SCHEDULE
1401 ELEVATORS
2601 EXIT SIGN
2613 UNDERCABINET LIGHTING
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC



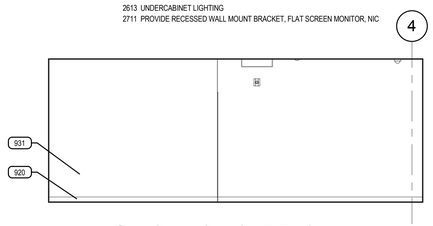
B1 OPEN OFFICE 597 SOUTH

SCALE: 1/4" = 1'-0"



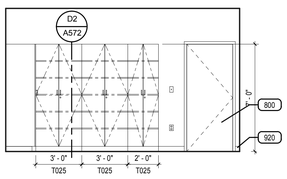
B4 OPEN OFFICE 597 WEST

SCALE: 1/4" = 1'-0"



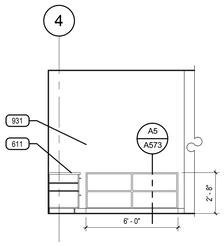
B6 OPEN OFFICE 597 NORTH

SCALE: 1/4" = 1'-0"



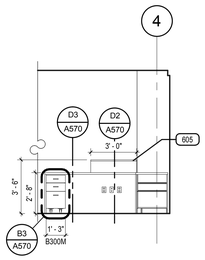
A1 STORAGE 541 WEST

SCALE: 1/4" = 1'-0"



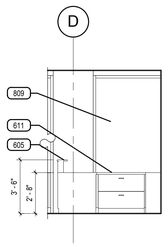
A2 OPEN OFFICES 597 DESK PONY WALL

SCALE: 1/4" = 1'-0"



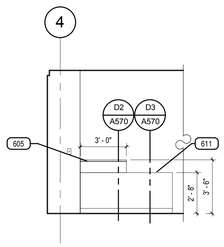
A3 OPEN OFFICES 597 DESK SOUTH

SCALE: 1/4" = 1'-0"



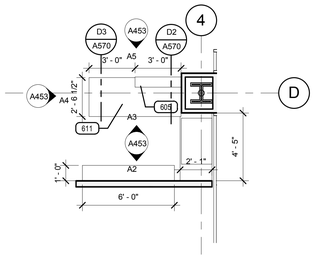
A4 OPEN OFFICES 597 DESK WEST

SCALE: 1/4" = 1'-0"



A5 OPEN OFFICES 597 DESK NORTH

SCALE: 1/4" = 1'-0"



A6 OPEN OFFICES 597 DESK

SCALE: 1/4" = 1'-0"

VCBO
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STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

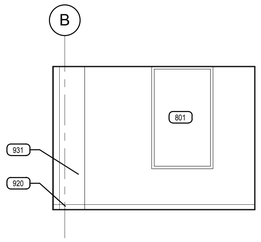
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 5

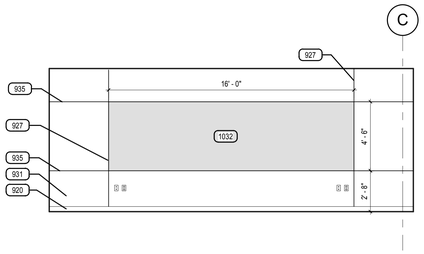
A453

Sheet Number

12/6/2010 4:10:07 PM



E1 DIRECTOR OFFICE 531 WEST
SCALE: 1/4" = 1'-0"



E2 WORK/PROJECT/CONFERENCE 543 WEST
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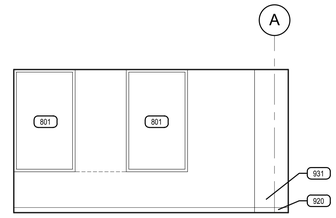
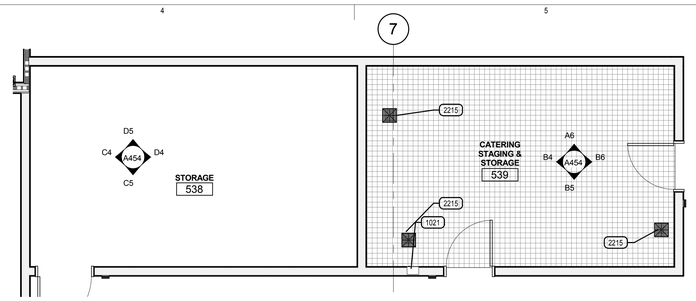
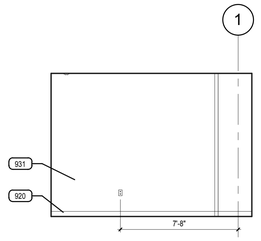


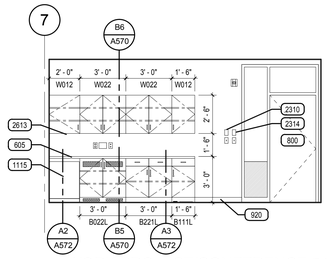
E3 DIRECTOR OFFICE 516 WEST
SCALE: 1/4" = 1'-0"



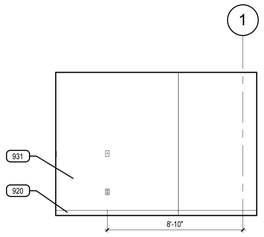
E4 ROOMS 538 & 539
SCALE: 1/4" = 1'-0"



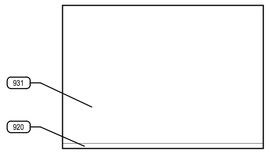
D1 DIRECTOR OFFICE 531 SOUTH
SCALE: 1/4" = 1'-0"



D2 WORK/PROJECT/CONFERENCE 547 SOUTH
SCALE: 1/4" = 1'-0"

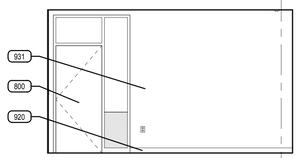


D3 DIRECTOR OFFICE 516 SOUTH
SCALE: 1/4" = 1'-0"

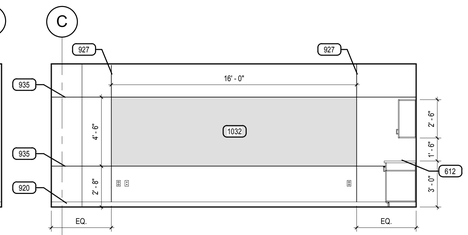


D4 STORAGE 538 EAST
SCALE: 1/4" = 1'-0"

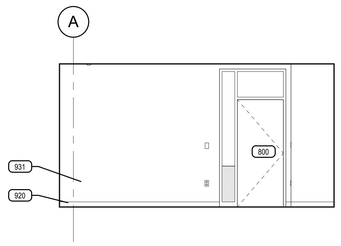
D5 STORAGE 538 NORTH
SCALE: 1/4" = 1'-0"



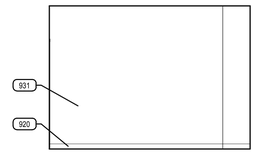
C1 DIRECTOR OFFICE 531 EAST
SCALE: 1/4" = 1'-0"



C2 WORK/PROJECT/CONFERENCE 543 EAST
SCALE: 1/4" = 1'-0"

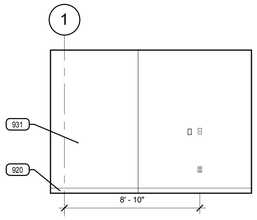


C3 DIRECTOR OFFICE 516 EAST
SCALE: 1/4" = 1'-0"

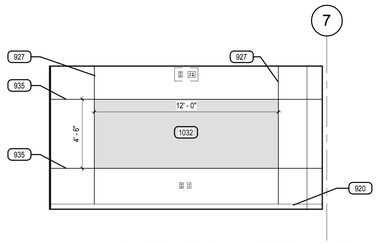


C4 STORAGE 538 WEST
SCALE: 1/4" = 1'-0"

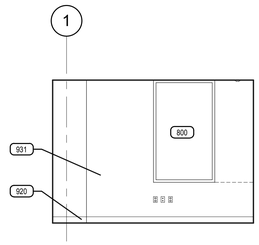
C5 STORAGE 538 SOUTH
SCALE: 1/4" = 1'-0"



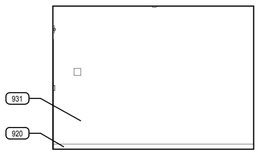
B1 DIRECTOR OFFICE 531 NORTH
SCALE: 1/4" = 1'-0"



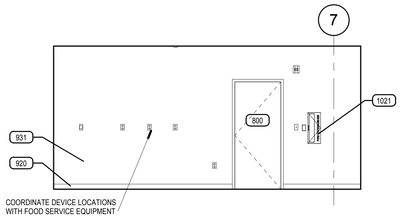
B2 WORK/PROJECT/CONFERENCE 543 NORTH
SCALE: 1/4" = 1'-0"



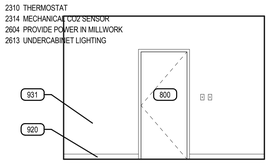
B3 DIRECTOR OFFICE 516 NORTH
SCALE: 1/4" = 1'-0"



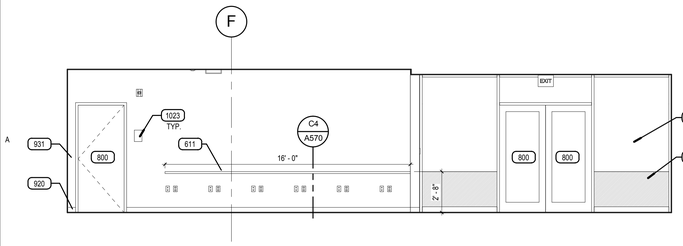
B4 CATERING 539 WEST
SCALE: 1/4" = 1'-0"



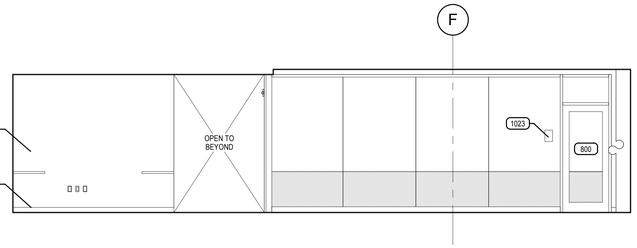
B5 CATERING 539 SOUTH
SCALE: 1/4" = 1'-0"



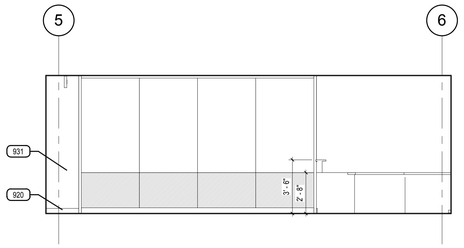
B6 ROOM 539 EAST
SCALE: 1/4" = 1'-0"



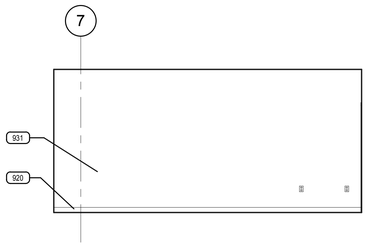
A1 MAIN RECEPTION 551 WEST
SCALE: 1/4" = 1'-0"



A3 MAIN RECEPTION 551 EAST
SCALE: 1/4" = 1'-0"



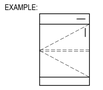
A4 MAIN RECEPTION 551 NORTH
SCALE: 1/4" = 1'-0"



A6 CATERING 539 NORTH
SCALE: 1/4" = 1'-0"

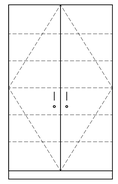
ARCHITECTURAL MILLWORK KEY

EXAMPLE:



B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

605 QUARTZ COUNTERTOP
611 PLASTIC LAMINATE COUNTERTOP
612 SOLID SURFACE COUNTERTOP
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
805 GLAZING
812 SEMI-OPAQUE ETCHED GLAZING
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1021 RECESSED FIRE EXTINGUISHER CABINET W/ FE, SEE DETAIL C3/A520
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1115 UNDER CABINET REFRIGERATOR, NIC
2215 FLOOR SINK
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2604 PROVIDE POWER IN MILLWORK
2613 UNDERCABINET LIGHTING

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SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
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WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

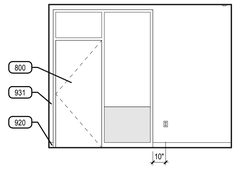
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

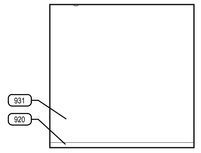
ENLARGED PLANS & ELEVATIONS LEVEL 5

A454
Sheet Number

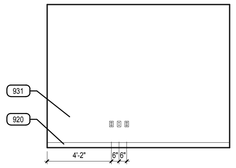
12/6/2010 4:10:49 PM



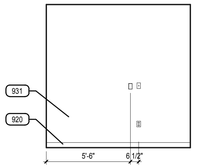
E2 OFFICE 595 EAST
SCALE: 1/4" = 1'-0"



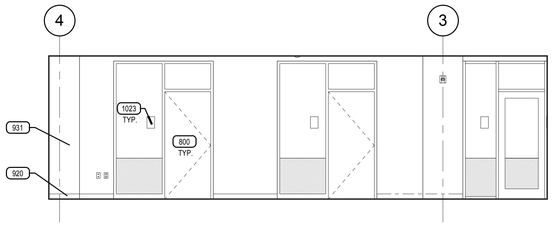
E3 OFFICE 595 SOUTH
SCALE: 1/4" = 1'-0"



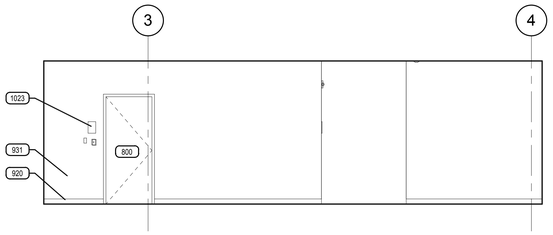
E4 OFFICE 595 WEST
SCALE: 1/4" = 1'-0"



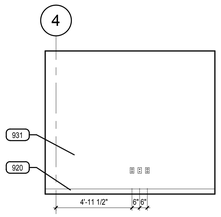
E5 OFFICE 595 NORTH
SCALE: 1/4" = 1'-0"



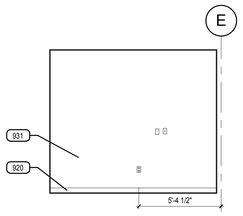
D1 OP. OFFICE 597 SOUTH
SCALE: 1/4" = 1'-0"



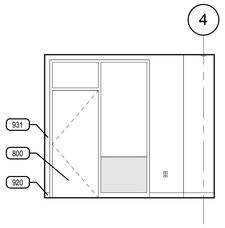
D3 OP. OFFICE 597 NORTH
SCALE: 1/4" = 1'-0"



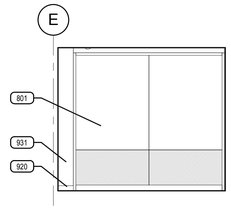
D4 OFFICE 594 SOUTH
SCALE: 1/4" = 1'-0"



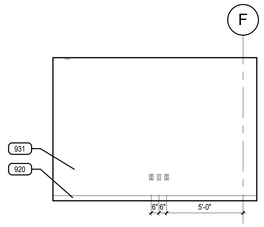
D5 OFFICE 594 WEST
SCALE: 1/4" = 1'-0"



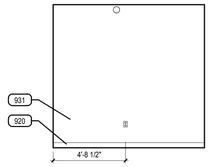
C1 OFFICE 594 NORTH
SCALE: 1/4" = 1'-0"



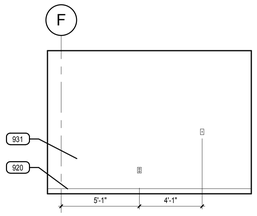
C2 OFFICE 594 EAST
SCALE: 1/4" = 1'-0"



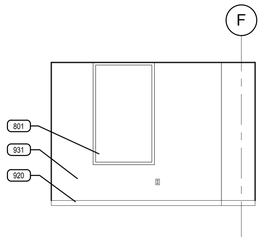
C3 ADMIN. ASSIST 583 WEST
SCALE: 1/4" = 1'-0"



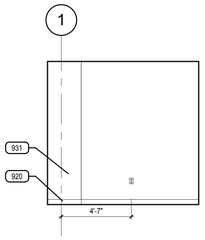
C4 ADMIN. ASSIST 583 NORTH
SCALE: 1/4" = 1'-0"



C5 ADMIN. ASSIST 583 EAST
SCALE: 1/4" = 1'-0"



B1 ADMIN. ASSIST. 582 WEST
SCALE: 1/4" = 1'-0"



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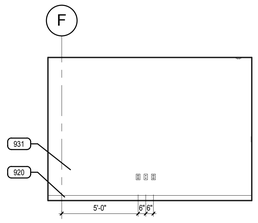
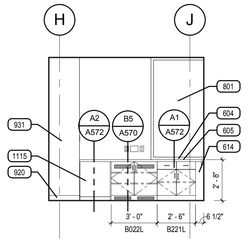
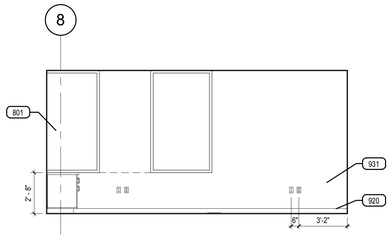


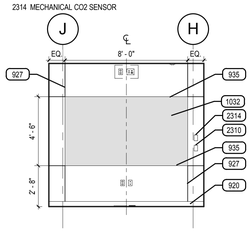
B3 ADMIN. ASSIST. 582 EAST
SCALE: 1/4" = 1'-0"



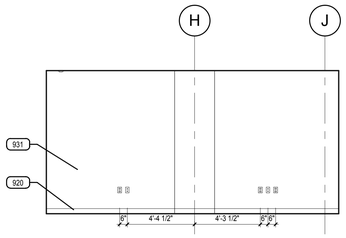
B4 SML CONFERENCE 558 EAST
SCALE: 1/4" = 1'-0"



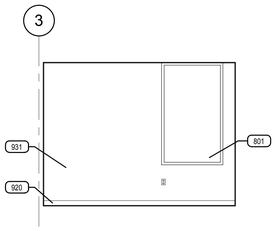
B5 SML CONFERENCE 558 SOUTH
SCALE: 1/4" = 1'-0"



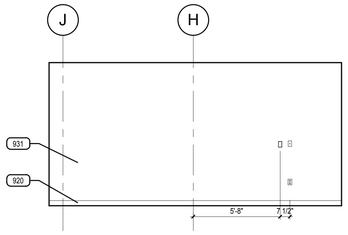
B6 SML CONFERENCE 558 WEST
SCALE: 1/4" = 1'-0"



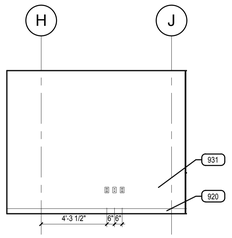
A1 EXEC DIR OFFICE 578 EAST ELEV
SCALE: 1/4" = 1'-0"



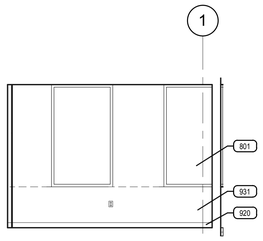
A2 EXEC DIR OFFICE 578 SOUTH ELEV
SCALE: 1/4" = 1'-0"



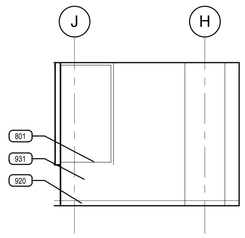
A3 EXEC DIR OFFICE 578 WEST ELEV
SCALE: 1/4" = 1'-0"



A4 VP OFFICE 581 EAST ELEV
SCALE: 1/4" = 1'-0"



A5 VP OFFICE 581 SOUTH ELEV
SCALE: 1/4" = 1'-0"



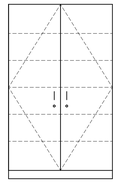
A6 VP OFFICE 581 WEST ELEV
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

604 SOLID SURFACE SILL
605 QUARTZ COUNTERTOP
614 FILLER PANEL
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
920 SCHEDULED BASE
927 1/2" GYP. BOARD REVEAL, SEE DETAILS B2 & D1/A520
931 SCHEDULED WALL FINISH
935 INTEGRATED FUNCTIONAL GYPSUM BOARD REVEAL RAIL
1023 SIGNAGE, SEE SCHEDULE
1032 VINYL WHITE BOARD / PROJECTION SCREEN
1115 UNDER CABINET REFRIGERATOR, NIC
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR

VCBO ARCHITECTURE
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #0C297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

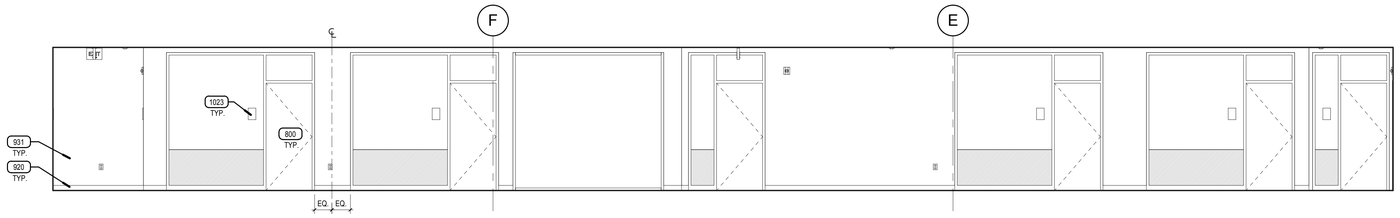
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 5

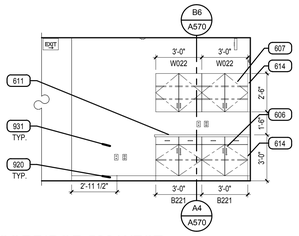
A455
Sheet Number

12/6/2010 4:11:33 PM



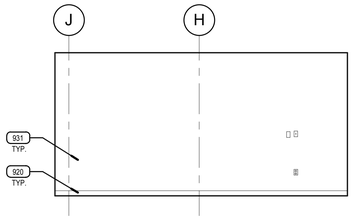
E5 OPEN OFFICE 577 WEST

SCALE: 1/4" = 1'-0"



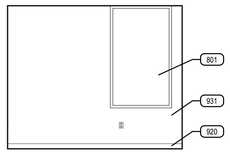
D2 CORRIDOR 586 WEST

SCALE: 1/4" = 1'-0"



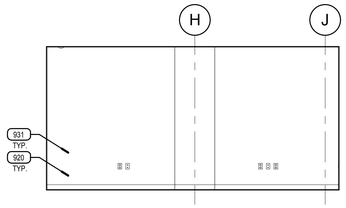
D3 OFFICE 574 WEST ELEV TYPICAL

SCALE: 1/4" = 1'-0"



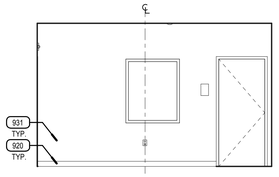
D4 OFFICE 574 SOUTH ELEV

SCALE: 1/4" = 1'-0"



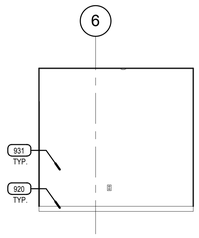
D5 OFFICE 574 EAST ELEV TYPICAL

SCALE: 1/4" = 1'-0"



C2 TRAINING 542 WEST

SCALE: 1/4" = 1'-0"

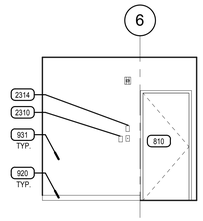


C3 TRAINING 542 NORTH

SCALE: 1/4" = 1'-0"

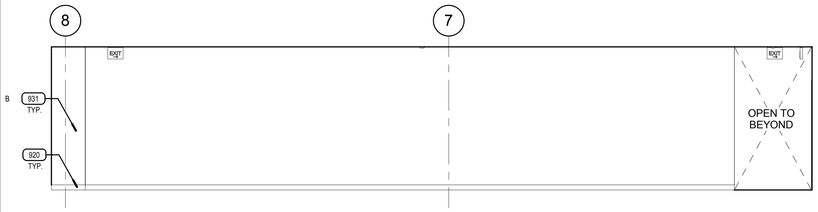
C4 TRAINING 542 EAST

SCALE: 1/4" = 1'-0"



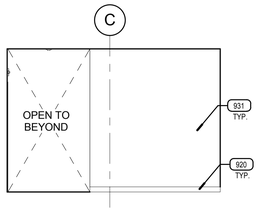
C5 TRAINING 542 SOUTH

SCALE: 1/4" = 1'-0"



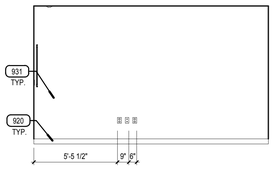
B2 ZIONS RM 537 SOUTH

SCALE: 1/4" = 1'-0"



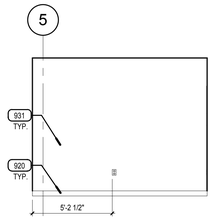
B3 ZIONS RM 537 EAST

SCALE: 1/4" = 1'-0"



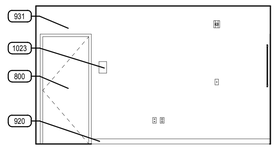
B4 DEV. LAB 541 WEST

SCALE: 1/4" = 1'-0"



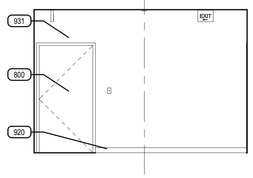
B5 DEV. LAB 541 NORTH

SCALE: 1/4" = 1'-0"



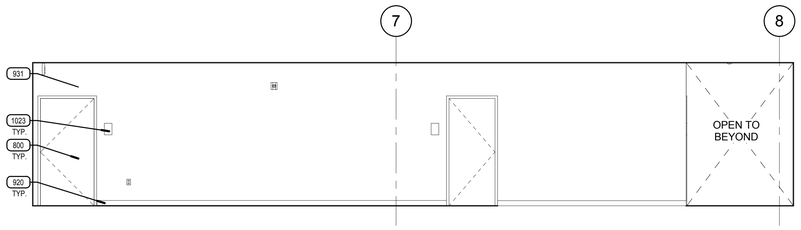
B6 DEV. LAB 541 EAST

SCALE: 1/4" = 1'-0"



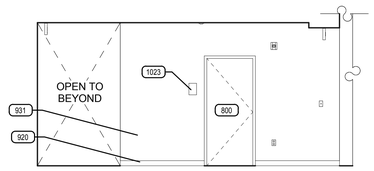
A2 ZIONS RM 537 WEST 1

SCALE: 1/4" = 1'-0"



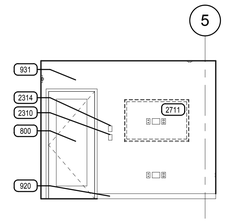
A4 ZIONS RM 537 NORTH

SCALE: 1/4" = 1'-0"



A5 ZIONS RM 537 WEST 2

SCALE: 1/4" = 1'-0"



A6 DEV. LAB 541 SOUTH

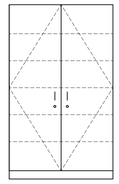
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

MILLWORK LEGEND

1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANOS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL E6/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO A3/A403 FOR MOUNTING LOCATION GUIDELINES.

606 WALL MOUNTED BASE CABINET WITH BLOCKING
607 WALL MOUNTED UPPER CABINET WITH BLOCKING
611 PLASTIC LAMINATE COUNTERTOP
614 FILLER PANEL
800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
810 STOREFRONT SYSTEM
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
1023 SIGNAGE, SEE SCHEDULE
2310 THERMOSTAT
2314 MECHANICAL CO2 SENSOR
2711 PROVIDE RECESSED WALL MOUNT BRACKET, FLAT SCREEN MONITOR, NIC

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #062976 40
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

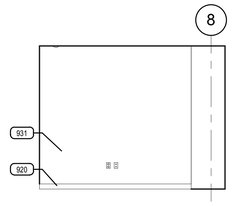
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 5

A456

Sheet Number

12/6/2010 4:12:07 PM



E1 OFFICE 545 NORTH
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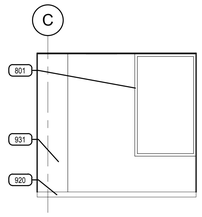

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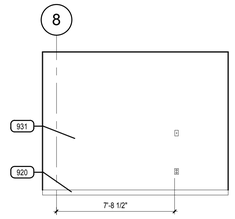

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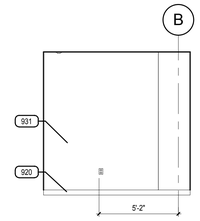

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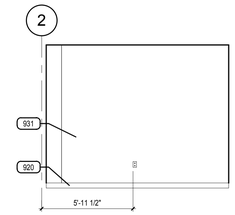

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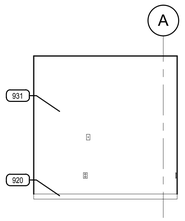

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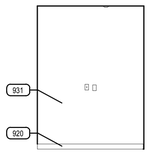

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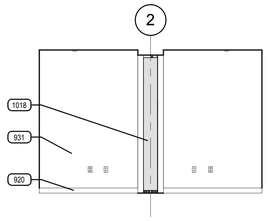

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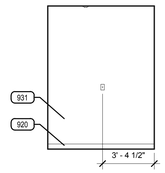

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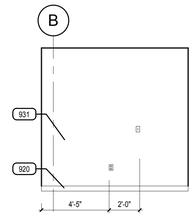

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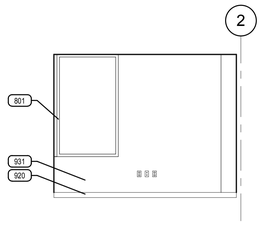

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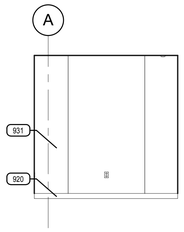

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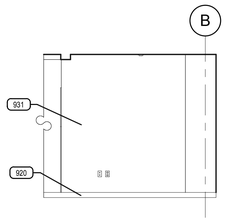

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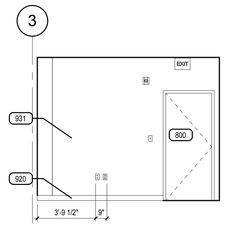

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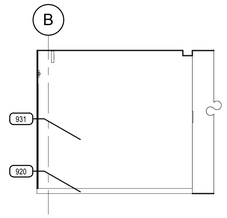
SCALE: 1/4" = 1'-0"



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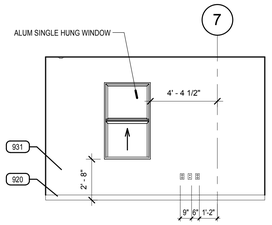

B1 OFFICE 567 SOUTH
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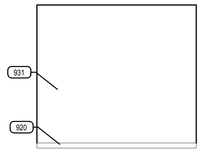

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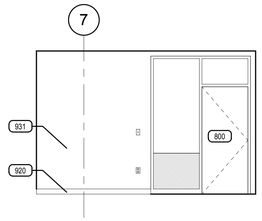

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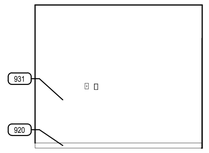

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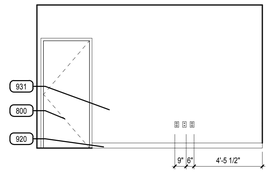

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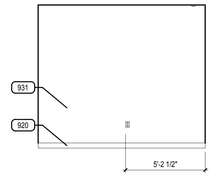
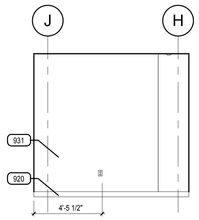
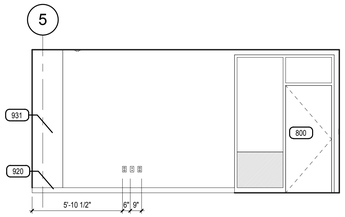


B6 OFFICE 564 EAST
SCALE: 1/4" = 1'-0"



A3 OFFICE 561 WEST
SCALE: 1/4" = 1'-0"



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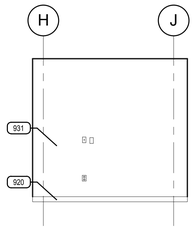
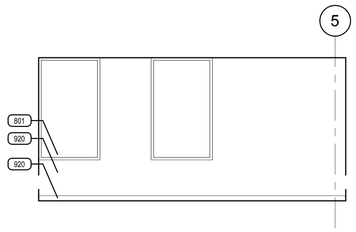


A5 OFFICE 561 EAST
SCALE: 1/4" = 1'-0"



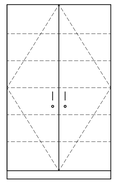
A6 OFFICE 561 SOUTH
SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

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2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL C4/A570
3. TYPICAL RESTROOM COUNTERTOP, PER DETAIL D6/A570
4. TYPICAL BASE CABINET WITH DOOR(S), PER DETAIL A5/A570
5. TYPICAL BASE CABINET WITH DRAWER(S), PER DETAIL B5/A572
6. TYPICAL BASE CABINET WITH DOOR(S) AND DRAWER, PER DTL A4/A570
7. TYPICAL BASE CABINET WITH TWO FILE DRAWERS, PER DTL A1/A570
8. TYPICAL UPPER CABINET WITH DOORS, PER DETAIL B6/A570
9. TYPICAL UPPER CABINET W/O DOORS, PER DETAIL B4/A570
10. TYPICAL SINK BASE CABINET, PER DETAIL C3/A572
11. TYPICAL TALL CABINET WITH DOOR(S), PER DETAIL D2/A570
12. TYPICAL TALL CABINET W/O DOOR, PER DETAIL A6/A573
13. TYPICAL MEDIA CABINET, PER DETAIL B5/A570
14. TYPICAL FULL HEIGHT ADJUSTABLE SHELVES, PER DETAIL B1/A570

KEYED NOTES

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800 DOOR & FRAME
801 ALUMINUM STOREFRONT WINDOW SYSTEM
920 SCHEDULED BASE
931 SCHEDULED WALL FINISH
1018 ACCORDION FOLDING PARTITION

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

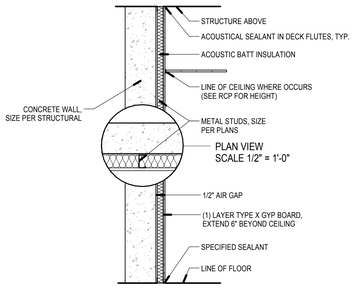
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ENLARGED PLANS & ELEVATIONS LEVEL 5

A457
Sheet Number

12/6/2010 4:12:59 PM



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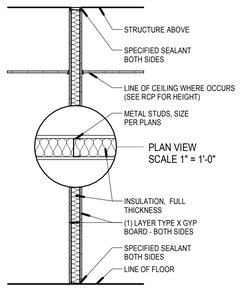

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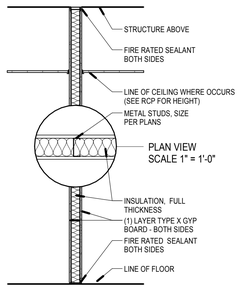

D3 9A-1 ONE HOUR FIRE RATED CONSTRUCTION, UL U419
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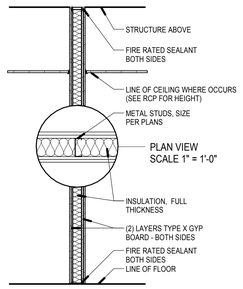

D4 9A-2 TWO HOUR FIRE RATED CONSTRUCTION, UL U419
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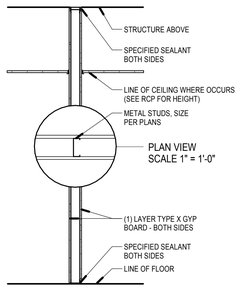

C2 9B
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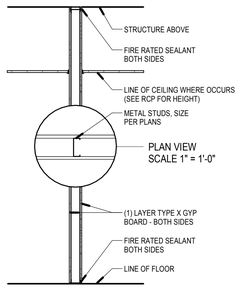
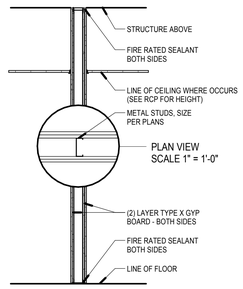


C3 9B-1 ONE HOUR FIRE RATED CONSTRUCTION, UL U419
SCALE: NOT TO SCALE



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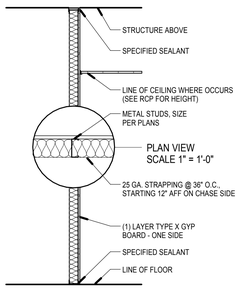

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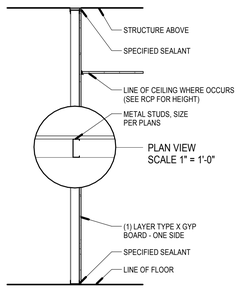

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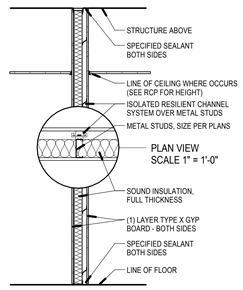
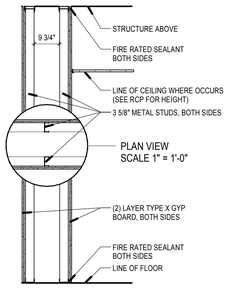


B4 9E
SCALE: 1/2" = 1'-0"



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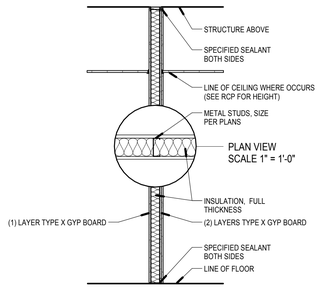

B6 9G
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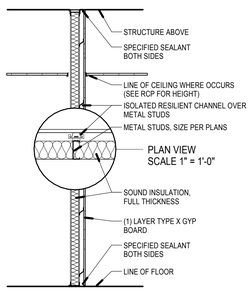

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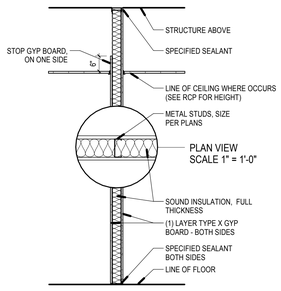
SCALE: 1/2" = 1'-0"



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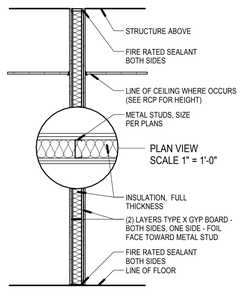

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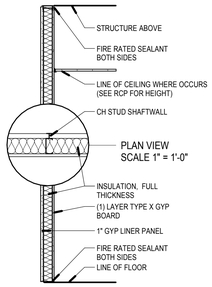

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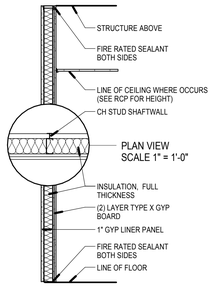

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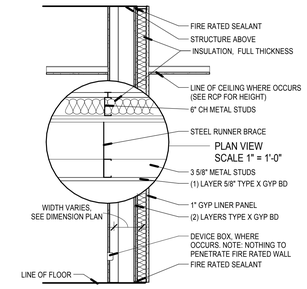

A6 9SV-2
SCALE: NOT TO SCALE

KEY FOR PARTITION TYPES

DENOTES TYPE OF CONSTRUCTION (SPEC. DIVISION) — WALL TYPE

3X.0 SERIES	CONCRETE
4X.0 SERIES	MASONRY
5X.0 SERIES	COLD FORMED METAL STUDS, 16ga MIN.
9X.0 SERIES	METAL STUDS

NOMINAL SIZES:
V = VARIABLE/MATCHEXISTING
1 = 1 5/8" STUDS
2 = 2 1/2" STUDS
3 = 3 5/8" STUDS
4 = 4" STUDS / 4" (NOM.) C.M.U.
6 = 6" STUDS / 6" (NOM.) C.M.U.
8 = 8" STUDS / 8" (NOM.) C.M.U.
10 = 10" (NOM.) C.M.U. OR CONC.
12 = 12" (NOM.) C.M.U. OR CONC.

EXAMPLE: WALL TYPE 9A3 IS A 3 5/8" METAL STUD WITH 5/8" GYPSUM BOARD ON BOTH SIDES.

NOTE: SEE GENERAL NOTES BELOW FOR ADDITIONAL ELEMENTS IN THE INDIVIDUAL WALL TYPES AND SPECIFIC DETAILS, INCLUDING UL RATINGS.

RATED WALL LEGEND

- INCIDENTAL USE AREAS
- 1 HOUR SEPARATION
- 2 HOUR SEPARATION
- 3 HOUR SEPARATION

EXAMPLE: WALL TYPE 9A3-1 IS A ONE HOUR RATED, 3 5/8" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON BOTH SIDES, PER ASSEMBLY REQUIREMENTS.

90X-R SERIES
FIRE RATING: ONLY WHEN NOTED
1 = 1 HOUR RATED ASSEMBLY
2 = 2 HOUR RATED ASSEMBLY
3 = 3 HOUR RATED ASSEMBLY

NON-BEARING METAL HEADER SCHEDULE

MAXIMUM SPAN	HEADER	Fy
4'-0"	(2) 400S137-43	33 ksi
6'-0"	(2) 600S162-43	33 ksi
8'-0"	(2) 800S162-43	33 ksi

METAL STUD HEADER NOTES:
1. SCHEDULE TO BE USED FOR NON-BEARING WALLS.
2. HEADERS TO BE CONSTRUCTED AS BOX HEADERS PER SSMA STANDARDS.
3. SEE TYPICAL DETAIL FOR MORE INFORMATION.

NON-BEARING METAL STUD GAUGE SIZING

MEMBER DEPTH IN 1/100 INCHES — FLANGE WIDTH IN 1/100 INCHES
400S137-43
STYLE (S=STUD OR JOIST) — MATERIAL THICKNESS IN MILS

MEMBER DEPTH	MAX STUD HEIGHT	MIN. GA. & SPACING
2 1/2" (250S125-33)	10'-0"	20@16" O.C.
3 5/8" (362S125-33)	14'-0"	20@16" O.C.
3 5/8" (362S162-33)	16'-0"	20@16" O.C.
3 5/8" (362S162-43)	18'-0"	18@16" O.C.
6" (600S162-33)	24'-0"	20@16" O.C.
6" (600S162-43)	26'-0"	18@16" O.C.
6" (600S162-54-50KSI)	28'-0"	16@16" O.C.

METAL STUD NOTES:
1. STEEL STUDS SHALL MEET ICC REPORT ER-4943P AND THE SSMA STANDARDS. HEIGHT BASED ON SSMA 2001 CATALOG AND PROJECT REQUIREMENTS.
2. SEE SCHEDULE FOR STUD SPACING AND GAUGE. ALL STUDS AND BRACES SHALL BE 33 KSI UNLESS NOTED OTHERWISE IN THESE DRAWINGS.
3. AT ALL DOORS PROVIDE TWO TABBED 18 GAUGE STUDS AT BOTH SIDES OF JAMB.

PARTITION AND FRAMING GENERAL NOTES

1. PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE THE FINISH SHEETS AND INTERIOR ELEVATIONS FOR WALL FINISHES INCLUDING TILE COURSING AND LAYOUT AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
2. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.
3. PROVIDE **FIRE RATED CONSTRUCTION ASSEMBLIES** WHERE INDICATED ON SHEETS G100's AND FLOOR PLAN DRAWINGS.
4. ALL **FIRE RATED WALLS** SHOWN **WITH A SECOND WALL** IN FRONT OF IT SHALL BE COMPLETELY FINISHED AND TAPED PRIOR TO THE SECOND STUD WALL BEING ERECTED.
5. **SEE STRUCTURAL** DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS.
6. ALL **EXTERIOR STUD WALLS** TO HAVE CONTINUOUS INSULATION, AIR AND MOISTURE INFILTRATION BARRIER FOR THE FULL HEIGHT AND LENGTH OF THE WALL, SEAL ALL PENETRATIONS. SEE DETAIL AT C1/ A513 FOR TYPICAL TOP OF WALL CONDITION.
7. ALL EXTERIOR STUD WALLS ARE TO BE PROVIDED UNDER DIVISION 05 AND SIZED BY THE CONTRACTOR'S ENGINEER AS CALLED FOR IN THE SPECIFICATIONS.
8. THE AIR AND MOISTURE INFILTRATION BARRIER IS TO WRAP INTO ALL WINDOW AND DOOR OPENINGS.
9. **SEE EXTERIOR ELEVATIONS** FOR COURSING, MASONRY TYPES AND METAL PANEL ORIENTATION PER A2 ELEVATION SHEETS.
10. SEE THE A2 ELEVATION SHEETS FOR LOCATION OF **MASONRY STONE CONTROL JOINTS**. IF NOT OTHERWISE NOTED, LOCATE CONTROL JOINTS AT CORNER ABOVE DOORS, INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE BUT ARE **NOT TO EXCEED 30' OC. CONSULT WITH ARCHITECT PRIOR TO INSTALLING PER DETAIL A2/ A511**
PROTECTION OF MASONRY AND GFRC: DURING CONSTRUCTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK, EXCEPT WHEN THE AMBIENT TEMPERATURE IS EXPECTED TO REMAIN ABOVE 65 DEG F AND NO PRECIPITATION IS FORECAST FOR THE NEXT 24 HOURS. (THIS IS TO PREVENT CONDENSATION FROM COVERED WALLS CAUSING A MOISTURE PROBLEM.) COVER PARTIALLY COMPLETED MASONRY EACH DAY THAT CONSTRUCTION IS NOT IN PROGRESS. WALLS ARE TO BE PROTECTED UNTIL THEY ARE PERMANENTLY PROTECTED BY THE ROOFING MEMBRANE OVER THE CAP PLATE. THE GENERAL CONTRACTOR IS TO PROVIDE TEMPORARY PROTECTION IMMEDIATELY FOLLOWING THE TOPPING OUT OF EACH SECTION OF WALL BY INSTALLING WATERPROOF SHEETING OVER A CONTINUOUS CAP PLATE UNTIL THE ROOFING MEMBRANE IS INSTALLED.
12. AT ALL **INTERIOR WALLS**: STUDS, INSULATION AND GYPSUM BOARD ARE TO EXTEND TO THE DECK ABOVE UNLESS NOTED OTHERWISE.
13. WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT ROOMS WITH WALL TYPE 9A6 BEING THE TYPICAL INTERIOR WALL. SEE SHEETS FOR FINISHES, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
14. ALL INTERIOR METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND ARE TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET. THICKNESS TO MATCH STUD DEPTH, UNLESS NOTED OTHERWISE.
15. REFER TO SHEET A520 FOR TYPICAL INTERIOR WALL CONDITIONS ASSOCIATED WITH ALL METAL STUD PARTITIONS.
16. PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. **CONSULT WITH ARCHITECT PRIOR TO COMMENCING FRAMING.** INSTALL PER DETAILS A2 AND A3/ A520 FOR CONTROL JOINTS.
17. AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, ETC., GYPSUM BOARD IS TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE GAP BETWEEN THE OBJECT AND THE WALL IS TO BE SEALED W/ ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT AT ALL SIDES, MAXIMUM. THE OPENING FOR DUCTS OR LARGE PENETRATIONS SHALL BE FRAMED WITH A HEADER, ADD AN ANGLED CORNER BRACE IF THE GAP EXCEEDS 3" FROM FRAMING TO THE OPENING. INSTALL PER A RATED SYSTEM IF AT A RATED WALL.
18. CONTRACTOR TO PROVIDE BLOCKING / BACKING FOR ALL WALL MOUNTED EQUIPMENT. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR CABINETS, GRAB BARS ETC. INSTALL BLOCKING AS DETAILED OR AS REQUIRED TO MOUNT SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED. INSTALL PER SHEET A510.
19. SEE DETAIL B3/ A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS.
20. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:
    a. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE.
    b. USE 16" OC MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING IF ALLOWED IN THESE DOCUMENTS.
    c. USE STUDS OF GAGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAGE TESTED, 20 GA (30 MILS) IS THE MINIMUM ALLOWED IN THESE DOCUMENTS.
    d. USE STUDS OF DEPTH INDICATED BY THIS SET OF DOCUMENTS. THE DEPTH STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH TESTED DEPTH ALLOWED IN THESE DOCUMENTS. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS
20. INSTALL ONE LAYER OF 5/8" GLASS MAT TILE BACKER BOARD IN LIEU OF GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION WHERE THERE IS NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED PARTITIONS AT THE FOLLOWING LOCATIONS:
    a. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS.
    b. WHERE CERAMIC TILE FINISHES ARE INDICATED PER THE FINISH PLANS AND/ OR INTERIOR ELEVATIONS.
    c. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.
21. **WHERE THERE IS LIMITED WATER EXPOSURE:** INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD PER ASTM C1396 (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS:
    a. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SINKS
    b. AT OTHER LOCATIONS, I.E. TOILET ROOMS AND KITCHENS, AND AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
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LICENSED ARCHITECT

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #0629764O
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

INT. WALL TYPE DETAILS

A500
Sheet Number

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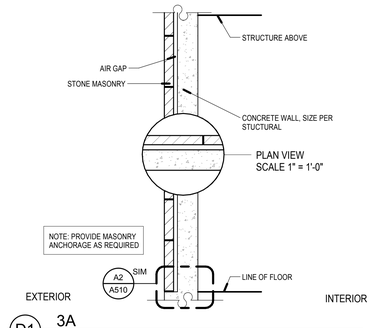

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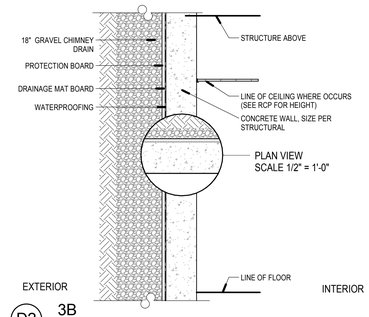

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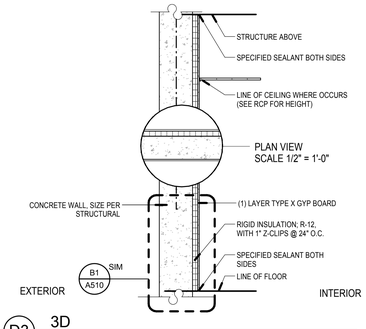

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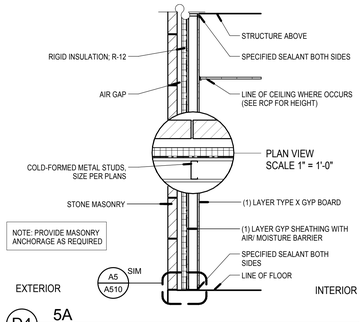

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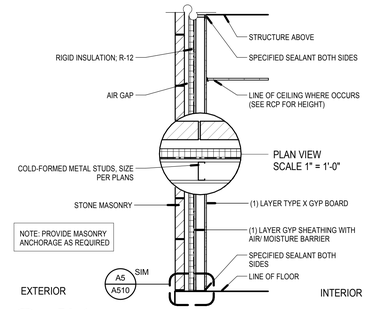

C1 5A-1 ONE-HOUR FIRE RATED CONSTRUCTION, UL U415
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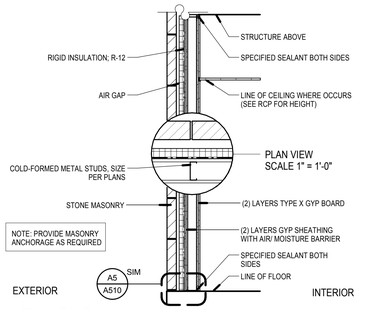

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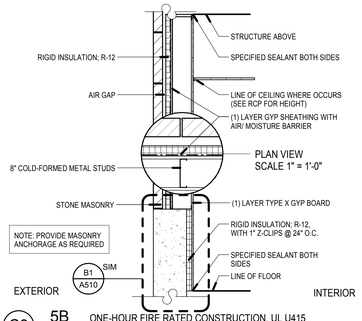

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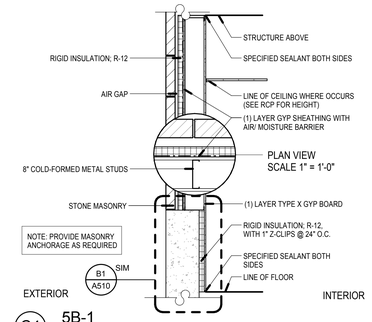

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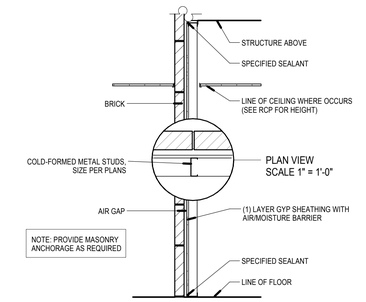

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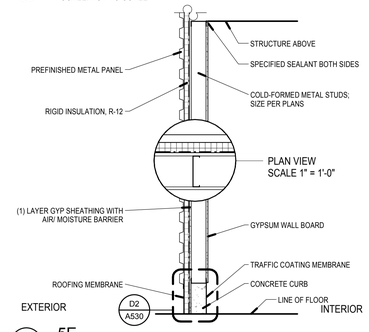

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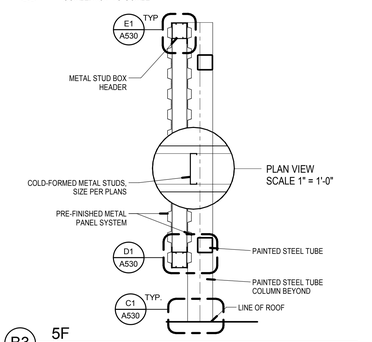

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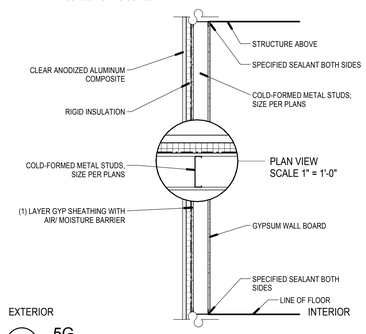

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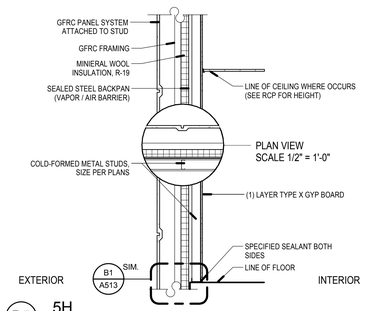

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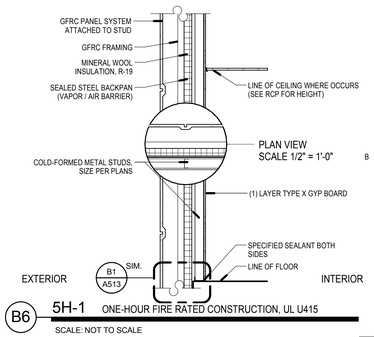

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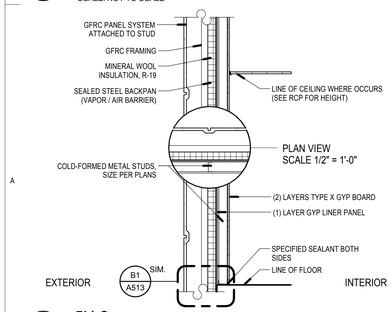

A1 5H-2 TWO-HOUR FIRE RATED CONSTRUCTION, UL U415
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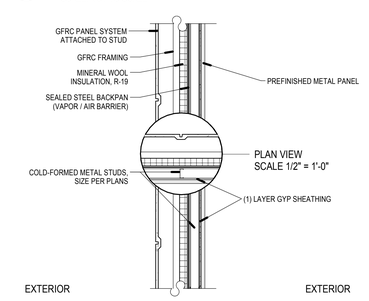

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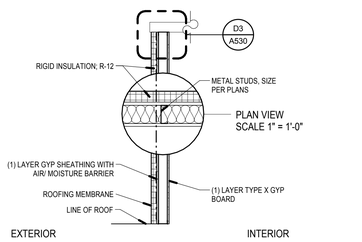

A3 9R
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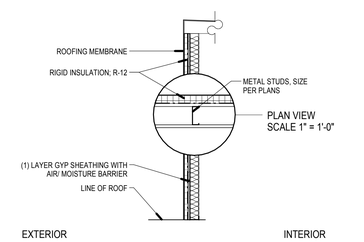

A4 9R-2
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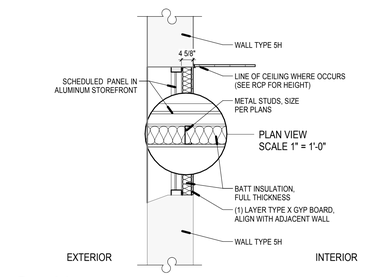

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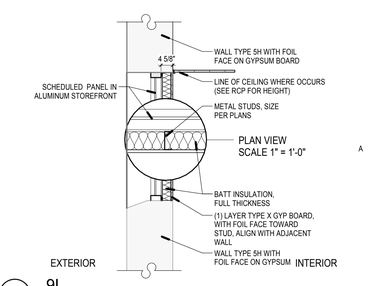

A6 9L
SCALE: NOT TO SCALE

KEY FOR PARTITION TYPES

DENOTES TYPE OF CONSTRUCTION (SPEC. DIVISION) — WALL TYPE

- 3X 0 SERIES — CONCRETE
- 4X 0 SERIES — MASONRY
- 5X 0 SERIES — COLD FORMED METAL STUDS, 16ga MIN.
- 9X 0 SERIES — METAL STUDS
- NOMINAL SIZES:
  - V = VARIABLE/MATCHEXISTING
  - 1 = 1 5/8" STUDS
  - 2 = 2 1/2" STUDS
  - 3 = 3 5/8" STUDS
  - 4 = 4" STUDS / 4" (NOM.) C.M.U.
  - 6 = 6" STUDS / 6" (NOM.) C.M.U.
  - 8 = 8" STUDS / 8" (NOM.) C.M.U.
  - 10 = 10" (NOM.) C.M.U. OR CONC.
  - 12 = 12" (NOM.) C.M.U. OR CONC.

EXAMPLE: WALL TYPE 9A3 IS A 3 5/8" METAL STUD WITH 5/8" GYPSUM BOARD ON BOTH SIDES.

NOTE: SEE GENERAL NOTES BELOW FOR ADDITIONAL ELEMENTS IN THE INDIVIDUAL WALL TYPES AND SPECIFIC DETAILS, INCLUDING UL RATINGS.

RATED WALL LEGEND

- INCIDENTAL USE AREAS
- 1 HOUR SEPARATION
- 2 HOUR SEPARATION
- 3 HOUR SEPARATION

EXAMPLE: WALL TYPE 9A3-1 IS A ONE HOUR RATED, 3 5/8" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON BOTH SIDES, PER ASSEMBLY REQUIREMENTS.

90X-R SERIES
- FIRE RATING; ONLY WHEN NOTED
  - 1 = 1 HOUR RATED ASSEMBLY
  - 2 = 2 HOUR RATED ASSEMBLY
  - 3 = 3 HOUR RATED ASSEMBLY

NON-BEARING METAL HEADER SCHEDULE

MAXIMUM SPAN	HEADER	Fy
4'-0"	(2) 400S137-43	33 ksi
6'-0"	(2) 600S162-43	33 ksi
8'-0"	(2) 800S162-43	33 ksi

METAL STUD HEADER NOTES:
1. SCHEDULE TO BE USED FOR NON-BEARING WALLS.
2. HEADERS TO BE CONSTRUCTED AS BOX HEADERS PER SSMA STANDARDS.
3. SEE TYPICAL DETAIL FOR MORE INFORMATION.

NON-BEARING METAL STUD GAUGE SIZING

400S137-43
- MEMBER DEPTH IN 1/100 INCHES
- FLANGE WIDTH IN 1/100 INCHES
- STYLE (S=STUD OR JOIST)
- MATERIAL THICKNESS IN MILS

MEMBER DEPTH	MAX STUD HEIGHT	MIN. GA. & SPACING
2 1/2" (250S125-33)	10'-0"	20@16" O.C.
3 5/8" (362S125-33)	14'-0"	20@16" O.C.
3 5/8" (362S162-33)	16'-0"	20@16" O.C.
3 5/8" (362S162-43)	18'-0"	18@16" O.C.
6" (600S162-33)	24'-0"	20@16" O.C.
6" (600S162-43)	26'-0"	18@16" O.C.
6" (600S162-54-50KSI)	28'-0"	16@16" O.C.

METAL STUD NOTES:
1. STEEL STUDS SHALL MEET ICC REPORT ER-4943P AND THE SSMA STANDARDS. HEIGHT BASED ON SSMA 2001 CATALOG AND PROJECT REQUIREMENTS.
2. SEE SCHEDULE FOR STUD SPACING AND GAUGE. ALL STUDS AND BRACES SHALL BE 33 KSI UNLESS NOTED OTHERWISE IN THESE DRAWINGS.
3. AT ALL DOORS PROVIDE TWO TABBED 18 GAUGE STUDS AT BOTH SIDES OF JAMB.

PARTITION AND FRAMING GENERAL NOTES

1. PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE THE FINISH SHEETS AND INTERIOR ELEVATIONS FOR WALL FINISHES INCLUDING TILE COURSING AND LAYOUT AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
2. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.
3. PROVIDE **FIRE RATED CONSTRUCTION ASSEMBLIES** WHERE INDICATED ON SHEETS G100's AND FLOOR PLAN DRAWINGS.
4. ALL **FIRE RATED WALLS** SHOWN **WITH A SECOND WALL** IN FRONT OF IT SHALL BE COMPLETELY FINISHED AND TAPED PRIOR TO THE SECOND STUD WALL BEING ERECTED.
5. **SEE STRUCTURAL** DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS.
6. ALL **EXTERIOR STUD WALLS** TO HAVE CONTINUOUS INSULATION, AIR AND MOISTURE INFILTRATION BARRIER FOR THE FULL HEIGHT AND LENGTH OF THE WALL. SEAL ALL PENETRATIONS. SEE DETAIL AT C1/ A513 FOR TYPICAL TOP OF WALL CONDITION.
7. ALL EXTERIOR STUD WALLS ARE TO BE PROVIDED UNDER DIVISION 05 AND SIZED BY THE CONTRACTOR'S ENGINEER AS CALLED FOR IN THE SPECIFICATIONS.
8. THE AIR AND MOISTURE INFILTRATION BARRIER IS TO WRAP INTO ALL WINDOW AND DOOR OPENINGS.
9. **SEE EXTERIOR ELEVATIONS** FOR COURSING, MASONRY TYPES AND METAL PANEL ORIENTATION PER A2 ELEVATION SHEETS.
10. SEE THE A2 ELEVATION SHEETS FOR LOCATION OF **MASONRY STONE CONTROL JOINTS**. IF NOT OTHERWISE NOTED, LOCATE CONTROL JOINTS AT CORNER ABOVE DOORS. INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE BUT ARE **NOT TO EXCEED 30' OC. CONSULT WITH ARCHITECT PRIOR TO INSTALLING PER DETAIL A2/ A511**
11. **PROTECTION OF MASONRY AND GFRC:** DURING CONSTRUCTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK, EXCEPT WHEN THE AMBIENT TEMPERATURE IS EXPECTED TO REMAIN ABOVE 55 DEG F AND NO PRECIPITATION IS FORECAST FOR THE NEXT 24 HOURS. (THIS IS TO PREVENT CONDENSATION FROM COVERED WALLS CAUSING A MOISTURE PROBLEM.) COVER PARTIALLY COMPLETED MASONRY EACH DAY THAT CONSTRUCTION IS NOT IN PROGRESS. WALLS ARE TO BE PROTECTED UNTIL THEY ARE PERMANENTLY PROTECTED BY THE ROOFING MEMBRANE OVER THE CAP PLATE. THE GENERAL CONTRACTOR IS TO PROVIDE TEMPORARY PROTECTION IMMEDIATELY FOLLOWING THE TOPPING OUT OF EACH SECTION OF WALL BY INSTALLING WATERPROOF SHEETING OVER A CONTINUOUS CAP PLATE UNTIL THE ROOFING MEMBRANE IS INSTALLED.
12. AT ALL **INTERIOR WALLS**, STUDS, INSULATION AND GYPSUM BOARD ARE TO EXTEND TO THE DECK ABOVE UNLESS NOTED OTHERWISE.
13. WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT ROOMS WITH WALL TYPE 9A6 BEING THE TYPICAL INTERIOR WALL. SEE SHEETS FOR FINISHES, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
14. ALL INTERIOR METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND ARE TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET. THICKNESS TO MATCH STUD DEPTH, UNLESS NOTED OTHERWISE.
15. REFER TO SHEET A500 FOR TYPICAL INTERIOR WALL CONDITIONS ASSOCIATED WITH ALL METAL STUD PARTITIONS.
16. PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. **CONSULT WITH ARCHITECT PRIOR TO COMMENCING FRAMING.** INSTALL PER DETAILS A2 AND A3/ A520 FOR CONTROL JOINTS.
17. AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, ETC., GYPSUM BOARD IS TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE GAP BETWEEN THE OBJECT AND THE WALL IS TO BE SEALED W/ ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT AT ALL SIDES, MAXIMUM. THE OPENING FOR DUCTS OR LARGE PENETRATIONS SHALL BE FRAMED WITH A HEADER, ADD AN ANGLED CORNER BRACE IF THE GAP EXCEEDS 3" FROM FRAMING TO THE OPENING. INSTALL PER A RATED SYSTEM IF AT A RATED WALL. CONTRACTOR TO PROVIDE BLOCKING / BACKING FOR ALL WALL MOUNTED EQUIPMENT. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR CABINETS, GRAB BARS ETC. INSTALL BLOCKING AS DETAILED OR AS REQUIRED TO MOUNT SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED. INSTALL PER SHEET A510.
19. SEE DETAIL B3/ A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS.
20. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:
    a. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE.
    b. USE 16" OC MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING IF ALLOWED IN THESE DOCUMENTS.
    c. USE STUDS OF GAGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAGE TESTED, 20 GA (30 MILS) IS THE MINIMUM ALLOWED IN THESE DOCUMENTS.
    d. USE STUDS OF DEPTH INDICATED BY THIS SET OF DOCUMENTS. THE DEPTH STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH TESTED DEPTH ALLOWED IN THESE DOCUMENTS. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS
20. INSTALL ONE LAYER OF 5/8" GLASS MAT TILE BACKER BOARD IN LIEU OF GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION WHERE THERE IS NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED PARTITIONS AT THE FOLLOWING LOCATIONS.
    a. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS.
    b. WHERE CERAMIC TILE FINISHES ARE INDICATED PER THE FINISH PLANS AND/ OR INTERIOR ELEVATIONS.
    c. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.
21. **WHERE THERE IS LIMITED WATER EXPOSURE:** INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD PER ASTM C1396 (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS:
    a. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SINKS
    b. AT OTHER LOCATIONS, I.E. TOILET ROOMS AND KITCHENS, AND AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.

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SASAKI

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

EXT. WALL TYPE DETAILS

A501
Sheet Number

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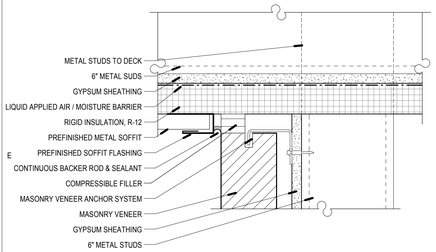

E1 MASONRY COLUMN @ SOFFIT

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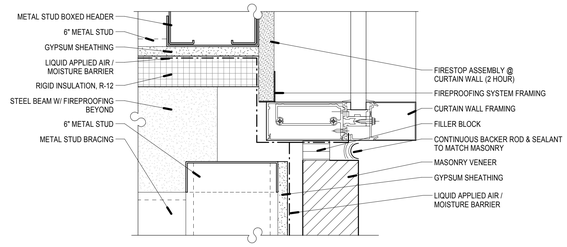

E2 CURTAINWALL @ SILL MASONRY COLUMN

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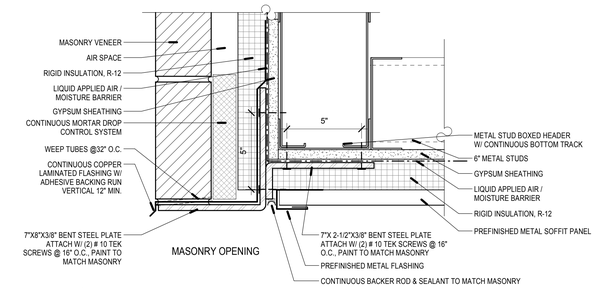

E4 MASONRY LINTEL

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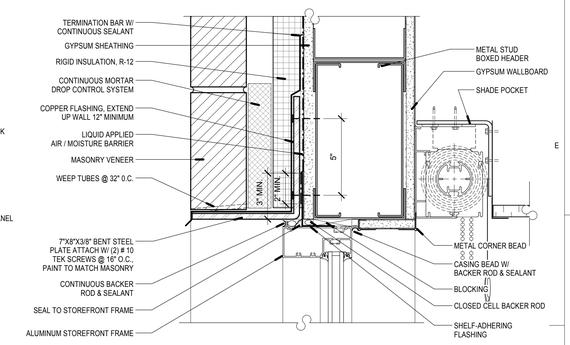
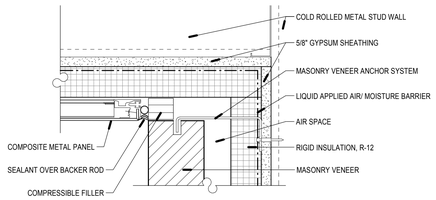


D5 HEAD @ MASONRY - STOREFRONT

SCALE: 3" = 1'-0"



D1 MASONRY @ COMPOSITE METAL SOFFIT

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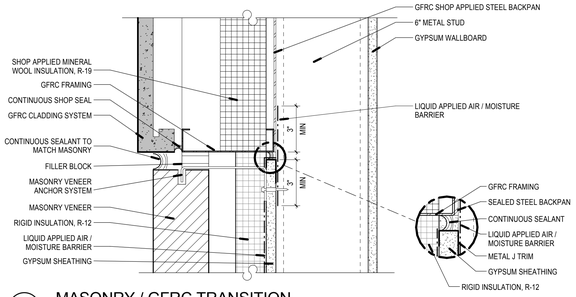

C2 MASONRY / GFRC TRANSITION

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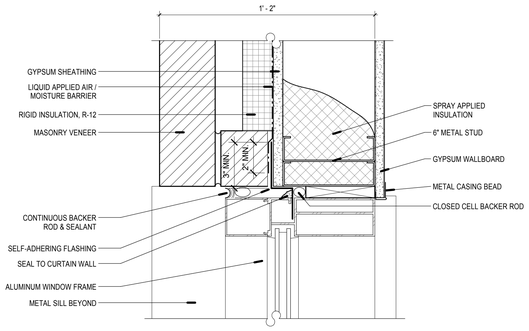

C4 JAMB @ MASONRY CURTAIN WALL

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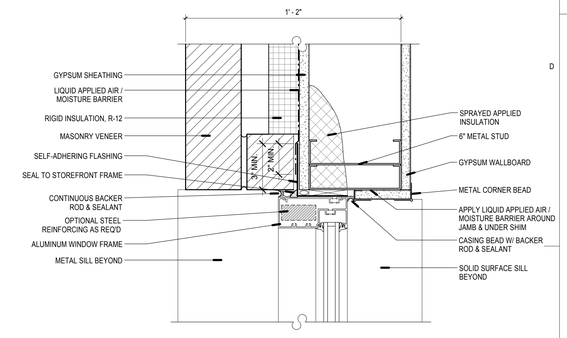

C5 JAMB @ MASONRY - STOREFRONT

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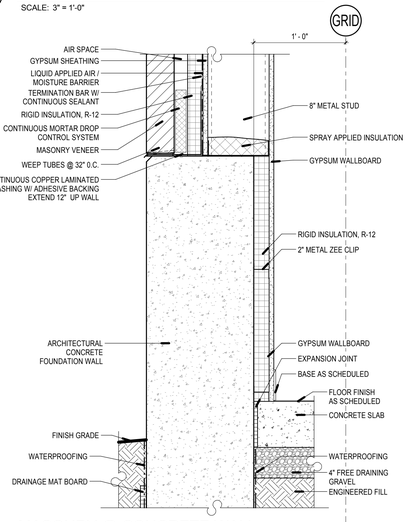

B1 MASONRY @ CONCRETE WALL

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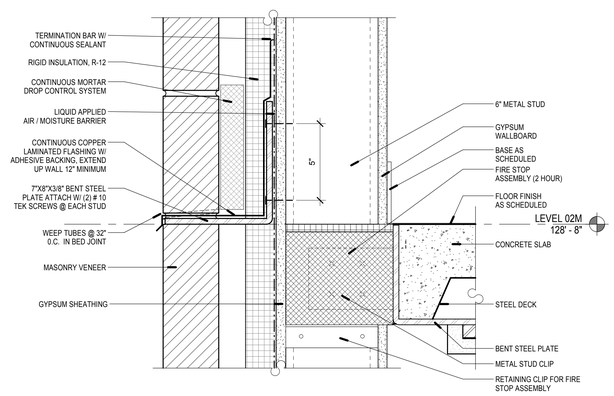

B2 MASONRY LEDGER @ SLAB EDGE

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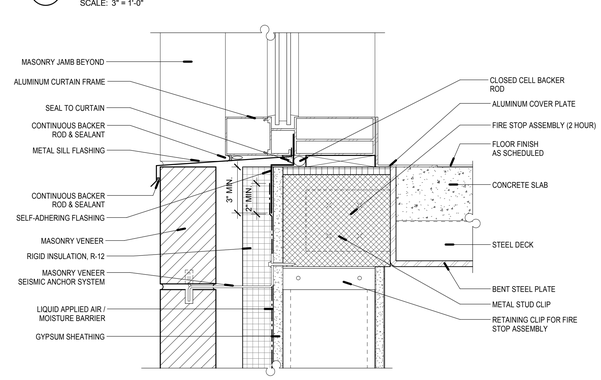

B4 CURTAIN WALL SILL @ MASONRY

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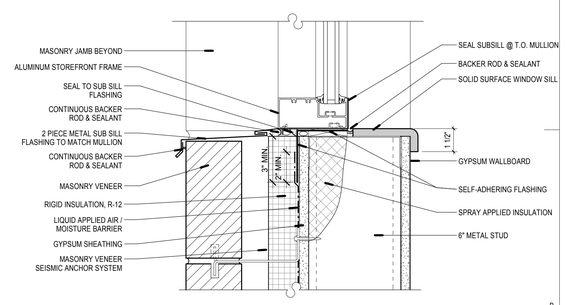

B5 SILL @ MASONRY WINDOW

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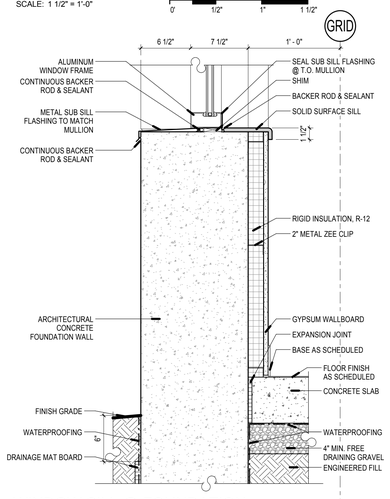

A1 WINDOW SILL @ FOUNDATION

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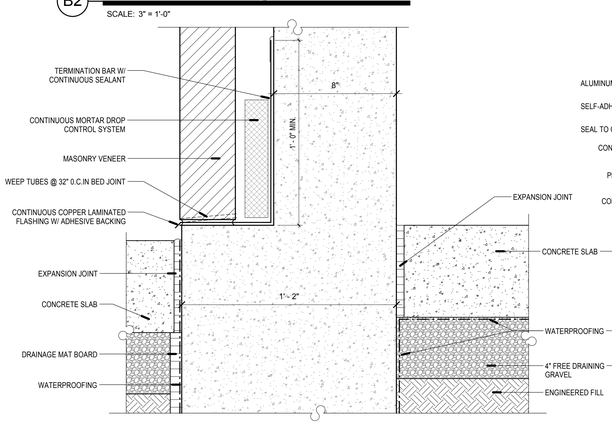

A2 MASONRY VENEER CONCRETE WALL

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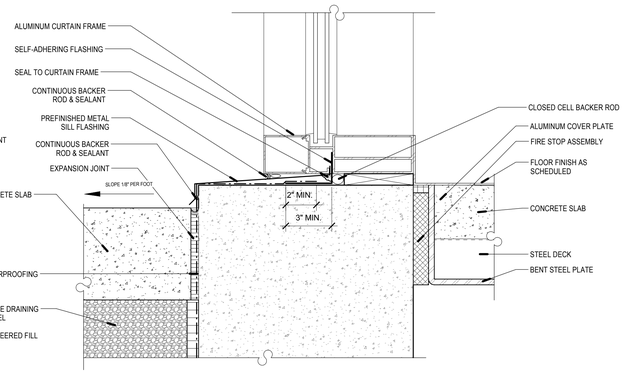

A4 CURTAIN WALL @ FOUNDATION

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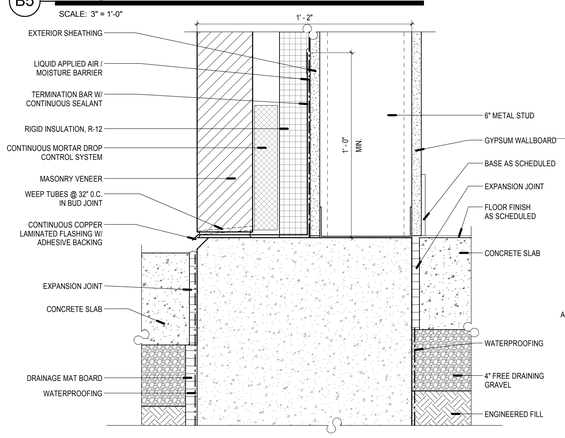

A5 MASONRY @ FOUNDATION

SCALE: 3" = 1'-0"

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DIXIE STATE COLLEGE OF UTAH

DFCM #0629764O

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

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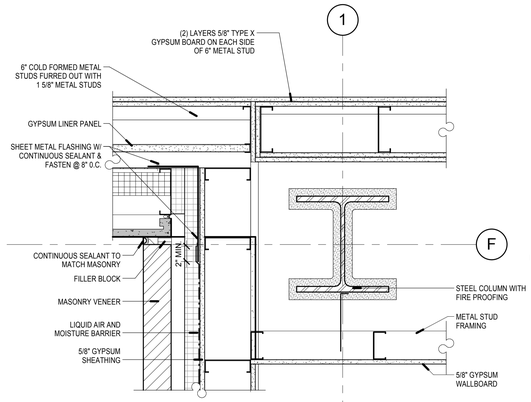
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

EXTERIOR WALL DETAILS

A510

Sheet Number



D3 COLUMN @ LEVEL 2M @ GRID F/1

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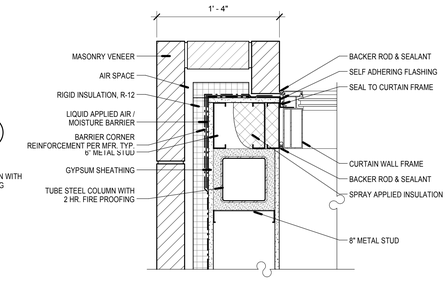

D4 CURTAIN JAMB @ MASONRY SW STAIR @ LEVEL 02

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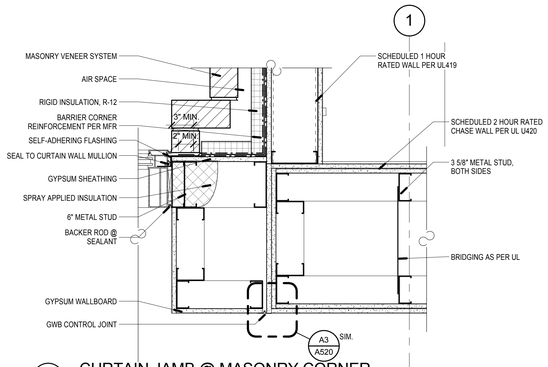

D6 CURTAIN JAMB @ MASONRY CORNER

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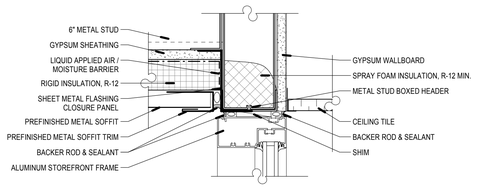

C3 SF HEAD @ DOOR 144

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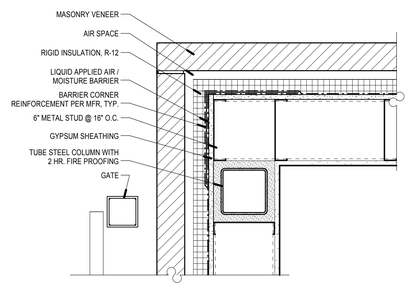
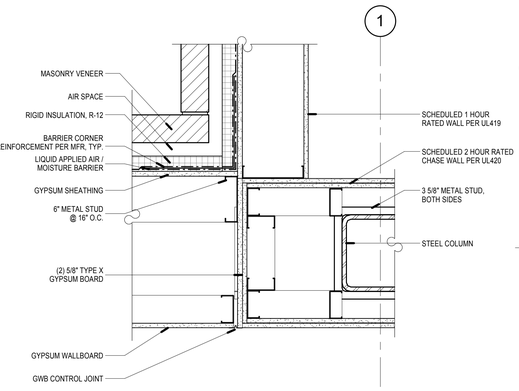


B4 MASONRY @ SW STAIR SCREEN WALL @ LEVEL 01

SCALE: 1 1/2" = 1'-0"



B6 MASONRY INSIDE CORNER @ SW STAIR

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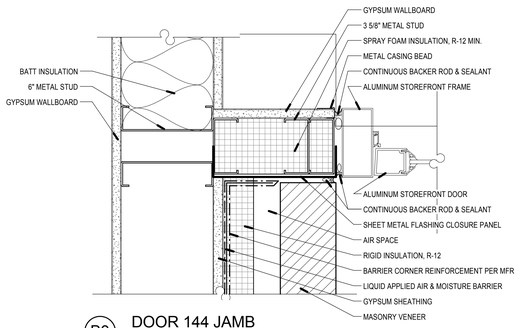

B3 DOOR 144 JAMB

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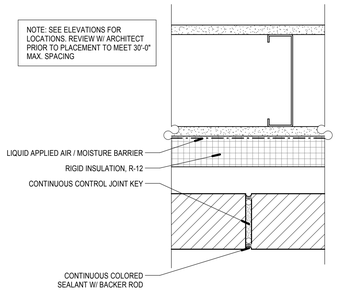
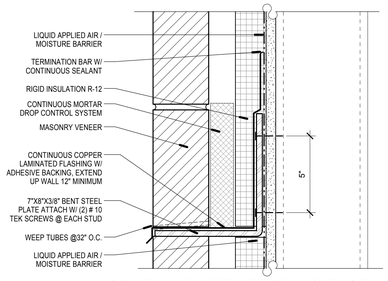


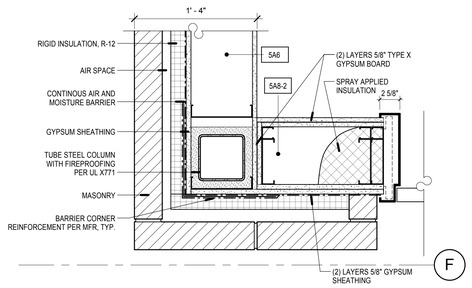
A2 MASONRY VENEER CONTROL JOINT

SCALE: 3" = 1'-0"



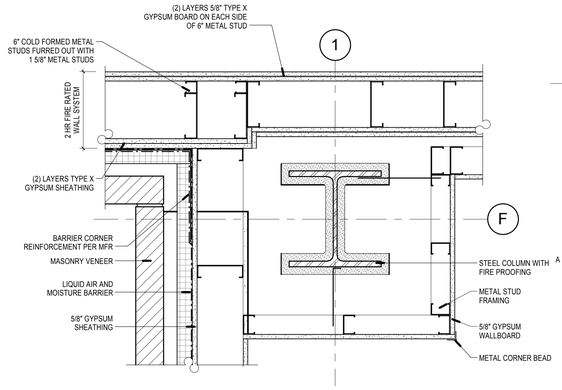
A3 MASONRY VENEER LEDGER @ EAST COLUMNS

SCALE: 3" = 1'-0"



A4 TUBE COLUMN @ SW STAIR

SCALE: 1 1/2" = 1'-0"



A6 COLUMN @ LEVEL 1 & 2 @ GRID F/1

SCALE: 1 1/2" = 1'-0"

12/6/2010 4:13:56 PM

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

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STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #0629764O

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

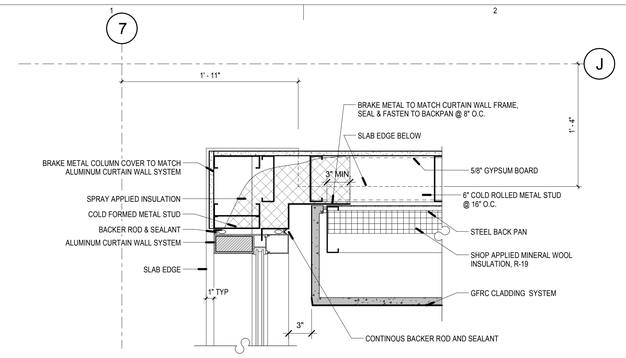
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

EXTERIOR WALL DETAILS

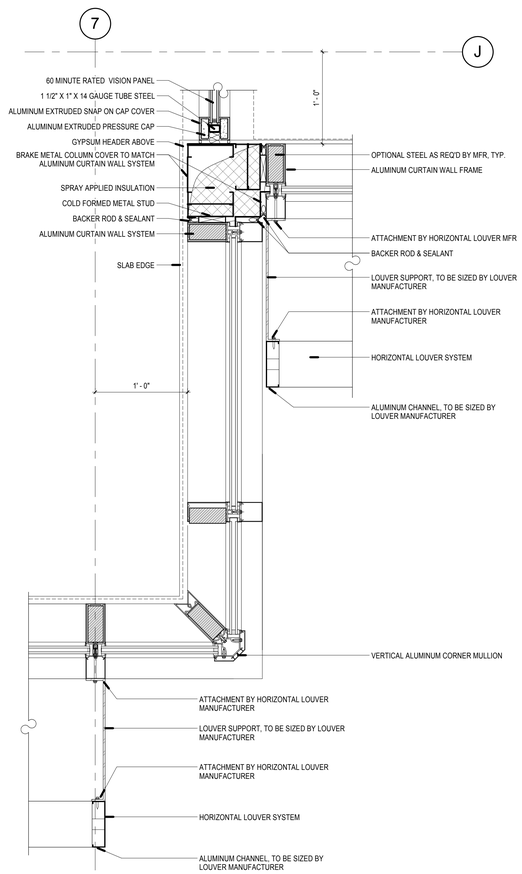
A511

Sheet Number



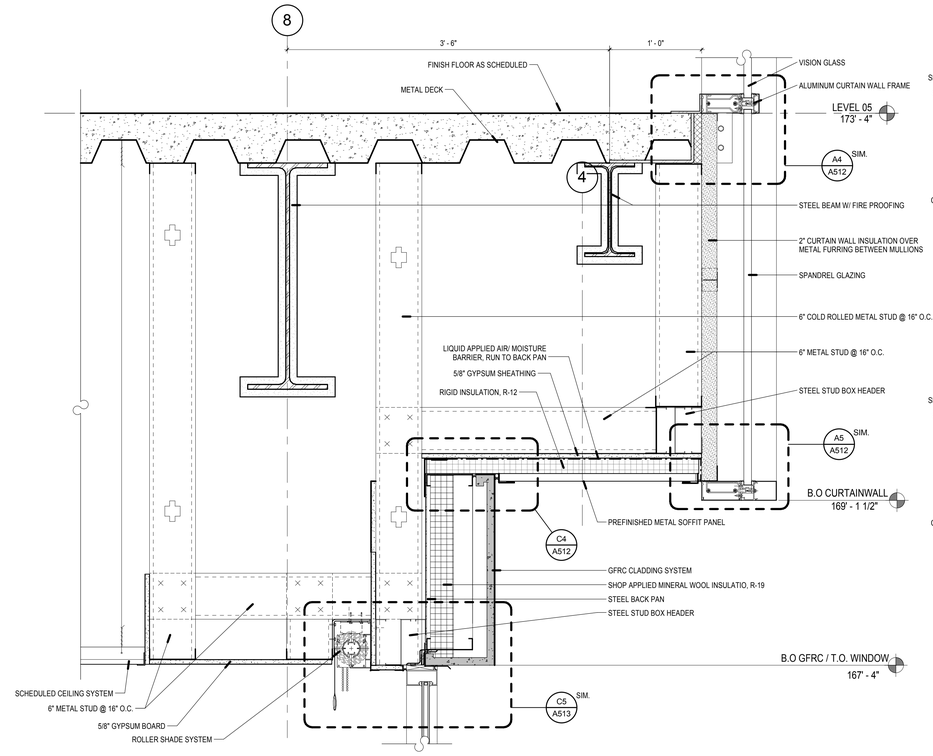
E1 CURTAINWALL @ GFRC; GRID 7/H; ABOVE LEVEL 4

SCALE: 1 1/2" = 1'-0"



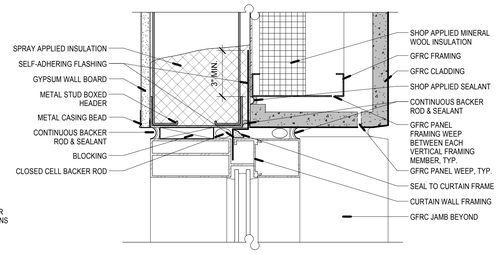
B1 CORNER MULLION - INSIDE

SCALE: 1 1/2" = 1'-0"



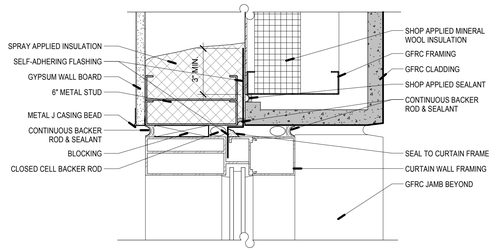
C3 EXTERIOR SOFFIT @ GRID 8 / A-B

SCALE: 1 1/2" = 1'-0"



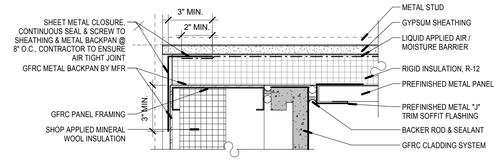
E6 CURTAIN WALL HEAD @ GFRC

SCALE: 3" = 1'-0"



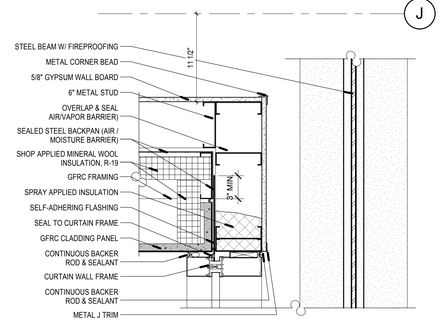
D6 CURTAIN WALL JAMB @ GFRC

SCALE: 3" = 1'-0"



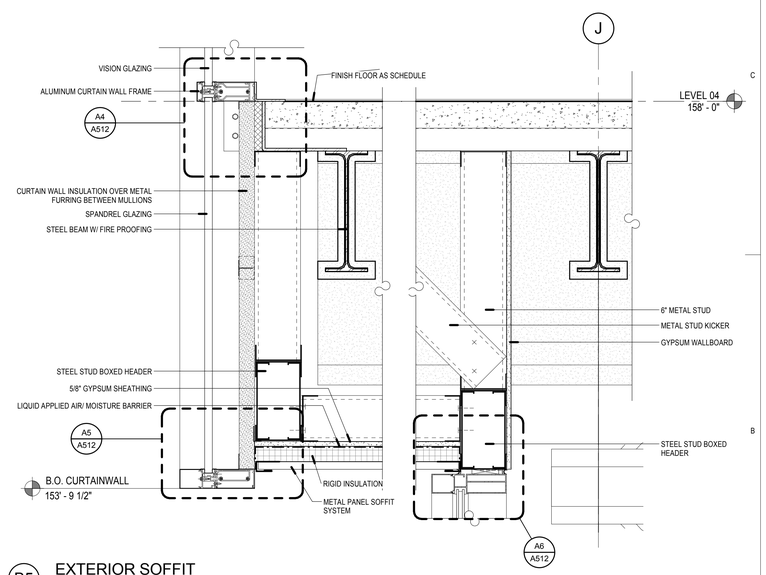
C4 GFRC @ METAL SOFFIT

SCALE: 3" = 1'-0"



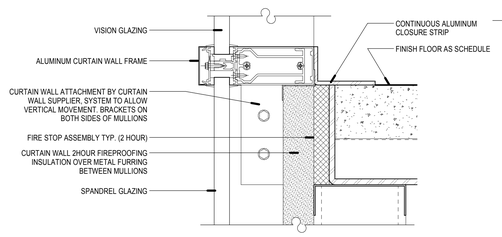
B4 MULLION @ GFRC

SCALE: 1 1/2" = 1'-0"



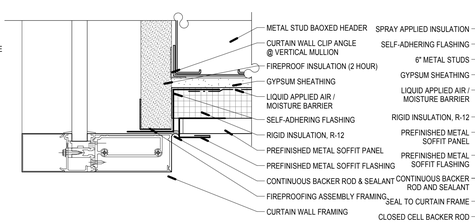
B5 EXTERIOR SOFFIT

SCALE: 1 1/2" = 1'-0"



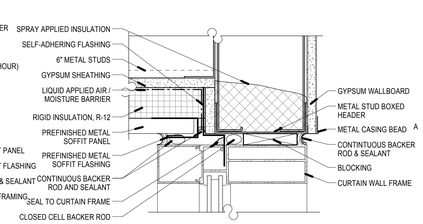
A4 MULLION @ SLAB EDGE, TYPICAL

SCALE: 3" = 1'-0"



A5 CURTAIN WALL SILL @ SOFFIT

SCALE: 3" = 1'-0"



A6 CURTAIN HEAD @ SOFFIT

SCALE: 3" = 1'-0"

12/6/2010 4:14:16 PM

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
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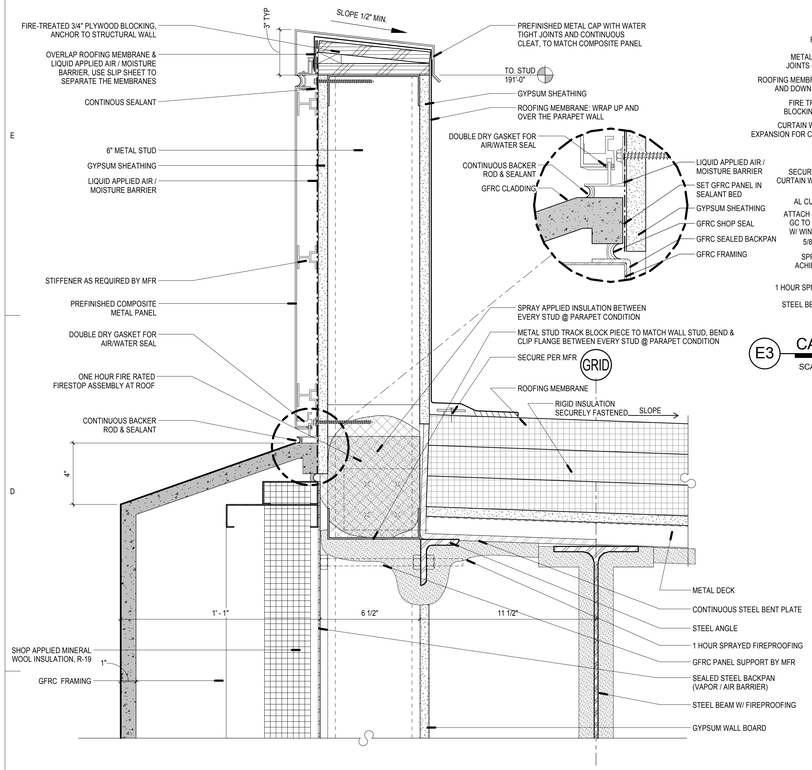
Owner #
Ins. #

EXTERIOR WALL DETAILS

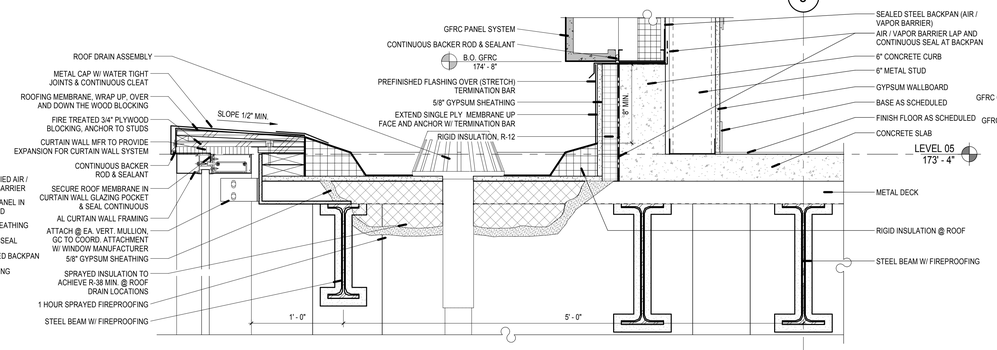
A512

Sheet Number



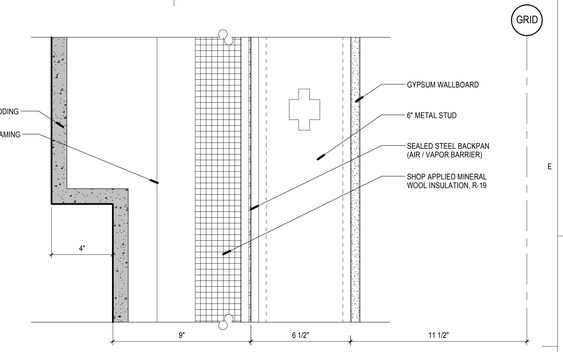
C1 TYPICAL PARAPET

SCALE: 3" = 1'-0"



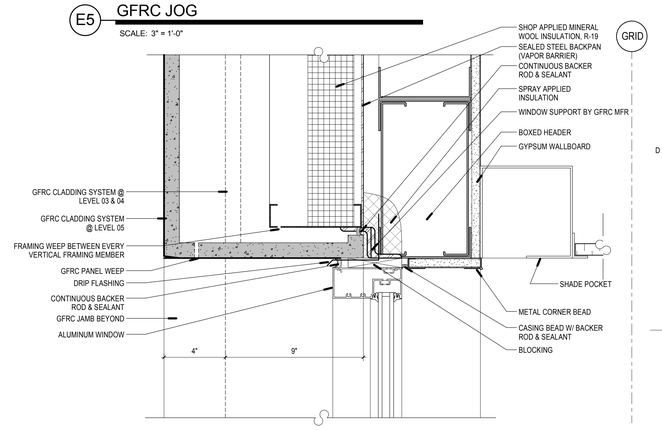
E3 CANTILEVERED ROOF @ DRAIN

SCALE: 1 1/2" = 1'-0"



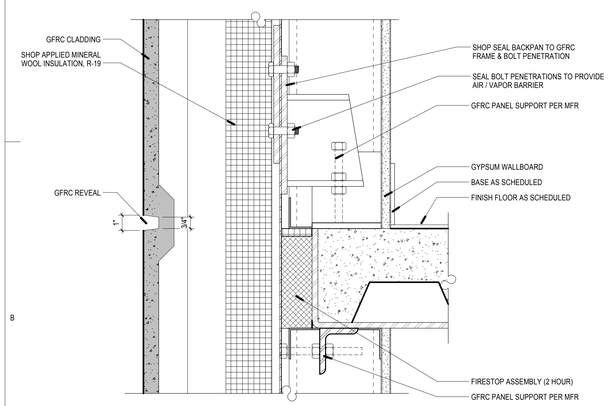
E5 GFRC JOG

SCALE: 3" = 1'-0"



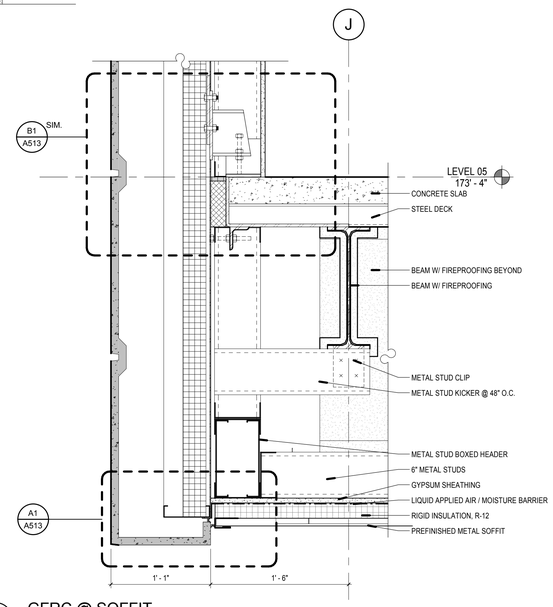
C5 HEAD @ GFRC_WINDOW

SCALE: 3" = 1'-0"



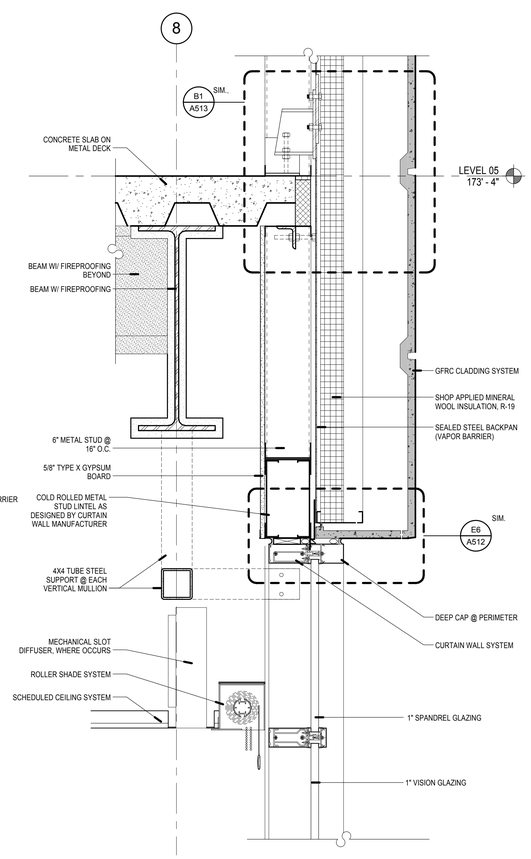
B1 GFRC @ FLOOR PLATE

SCALE: 3" = 1'-0"



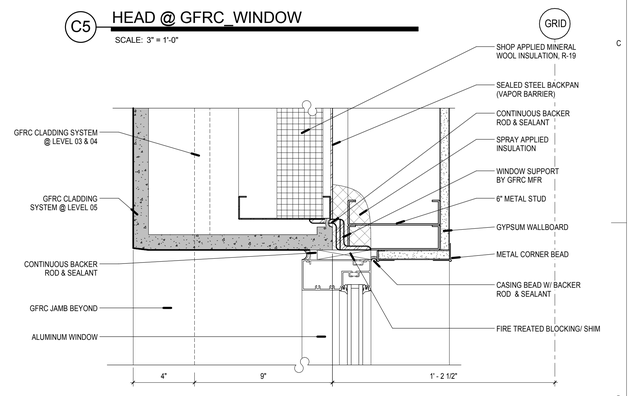
B2 GFRC @ SOFFIT

SCALE: 1 1/2" = 1'-0"



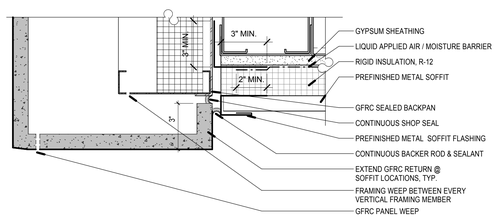
A4 CURTAIN WALL & CEILING LEVEL 4

SCALE: 1 1/2" = 1'-0"



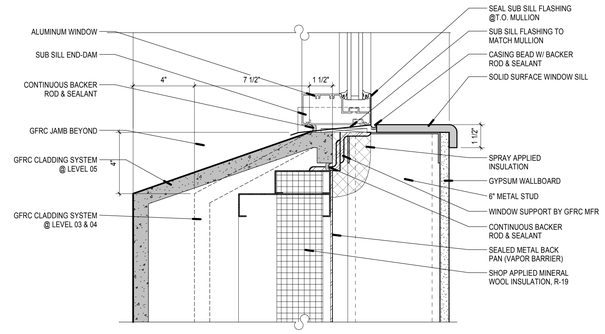
B5 JAMB @ GFRC_WINDOW

SCALE: 3" = 1'-0"



A1 SOFFIT @ GFRC

SCALE: 3" = 1'-0"



A5 SILL @ GFRC_WINDOW

SCALE: 3" = 1'-0"

12/6/2010 4:14:33 PM

VCBO ARCHITECTURE
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DIXIE COLLEGE, ST. GEORGE, UT
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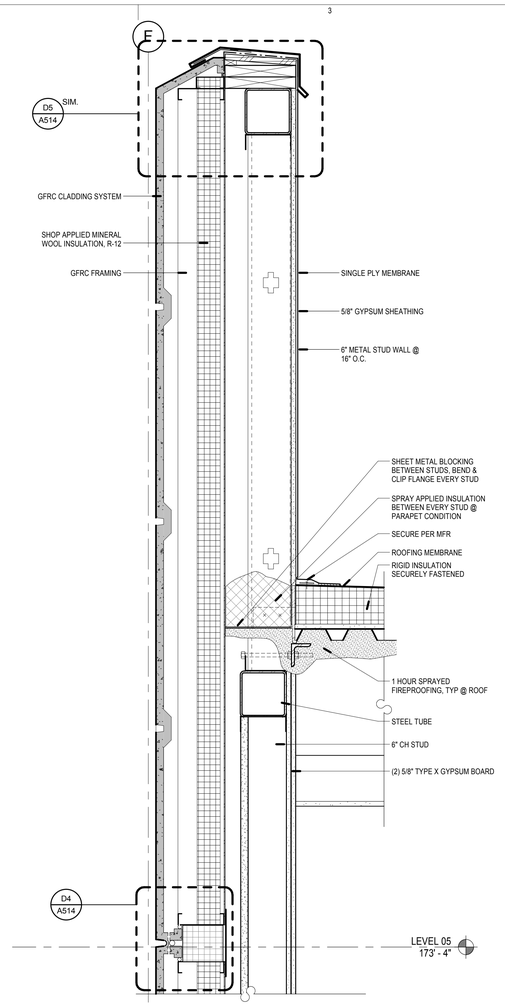
Ins. #

EXTERIOR WALL DETAILS

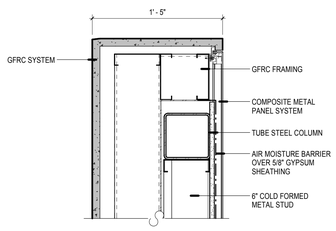
A513

Sheet Number



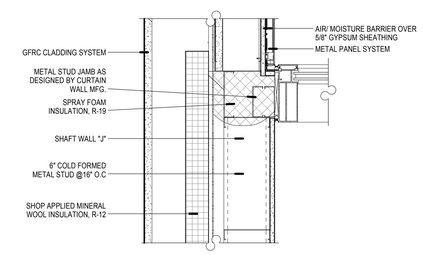
C2 WING WALL PARAPET

SCALE: 1 1/2" = 1'-0"



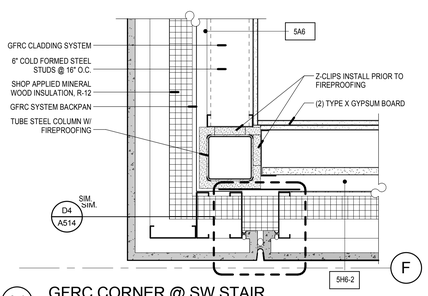
C1 GFRC RETURN @ WING WALL

SCALE: 1 1/2" = 1'-0"



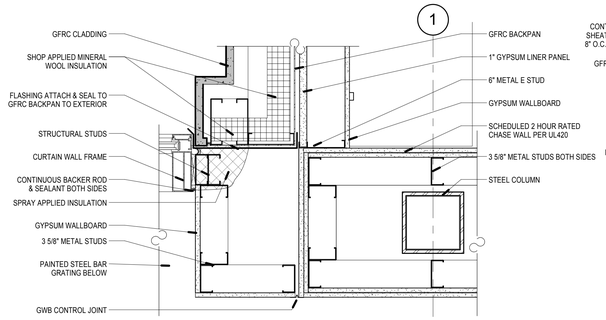
B1 CURTAIN JAMB @ GFRC SW STAIR

SCALE: 1 1/2" = 1'-0"



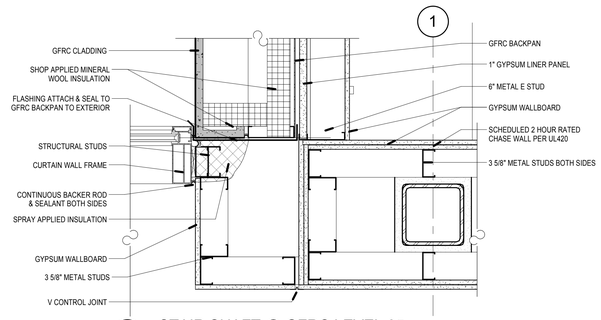
A1 GFRC CORNER @ SW STAIR

SCALE: 1 1/2" = 1'-0"



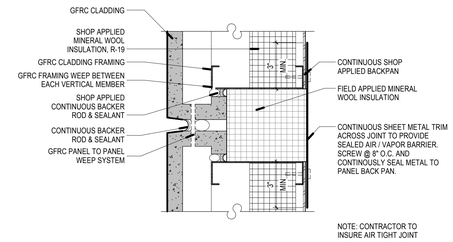
B2 STAIR SHAFT @ GFRC LEVEL 3 & 4

SCALE: 1 1/2" = 1'-0"



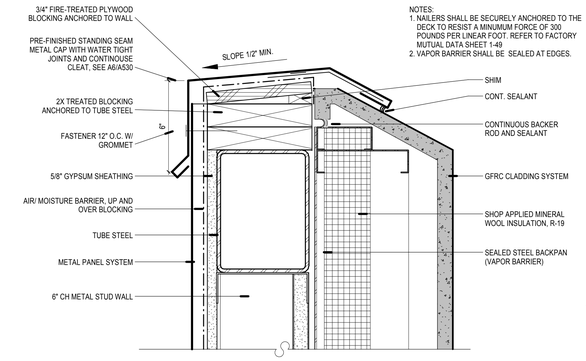
A2 STAIR SHAFT @ GFRC LEVEL 05

SCALE: 1 1/2" = 1'-0"



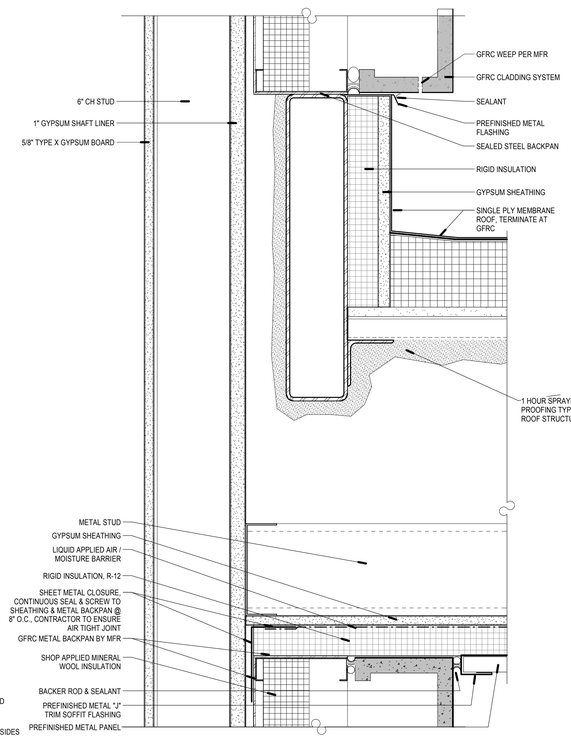
D4 GFRC PANEL JOINT

SCALE: 3" = 1'-0"



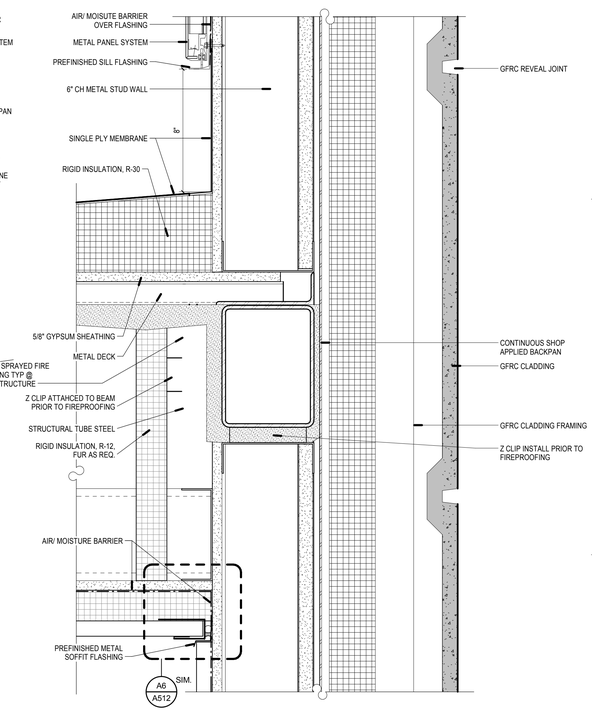
D5 WEST STAIR WALL CAP

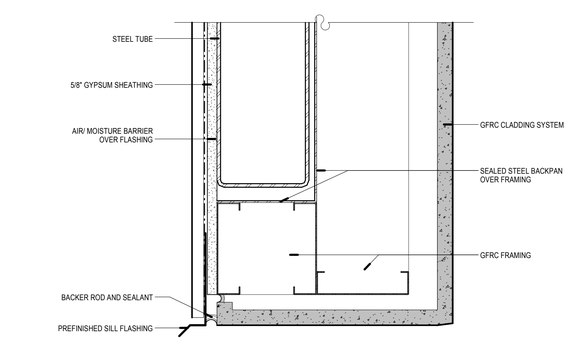
SCALE: 3" = 1'-0"



B4 ROOF @ WEST STAIR

SCALE: 3" = 1'-0"





A5 WEST WING WALL SOFFIT

SCALE: 3" = 1'-0"

12/6/2010 4:14:50 PM

VCBO ARCHITECTURE
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HOLLAND CENTENNIAL COMMONS

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No.	Description	Date

Job # 09625
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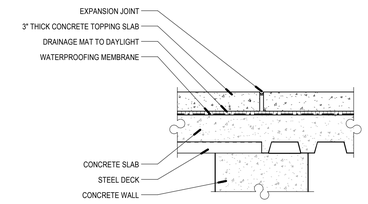
EXTERIOR WALL DETAILS

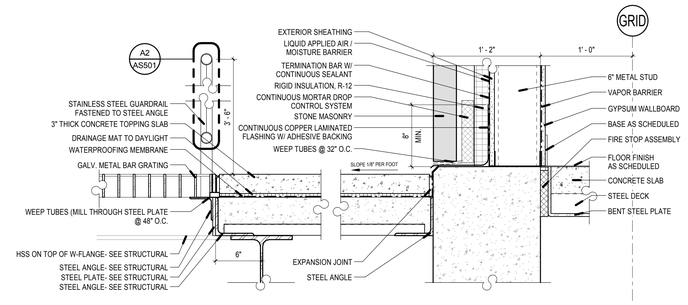
A514

Sheet Number



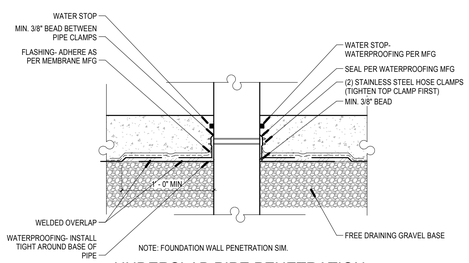
E6 CONCRETE WALK DECK TRANSITION

SCALE: 1 1/2" = 1'-0"



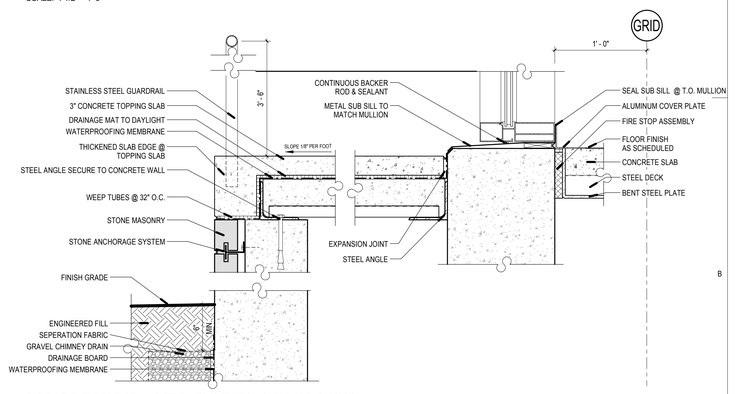
C5 ELEVATED WALKWAY @ MECHANICAL YARD

SCALE: 1 1/2" = 1'-0"



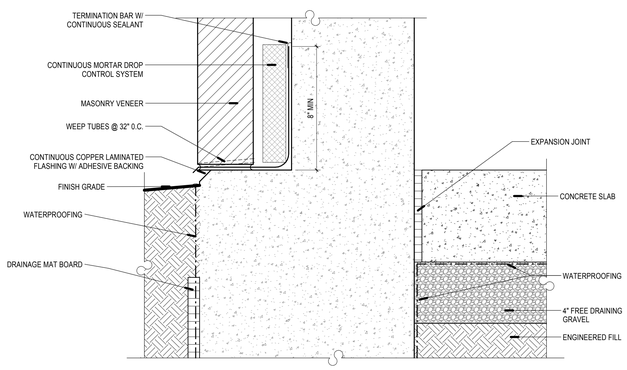
B4 UNDERSLAB PIPE PENETRATION (WHERE NECCESARY)

SCALE: 1 1/2" = 1'-0"



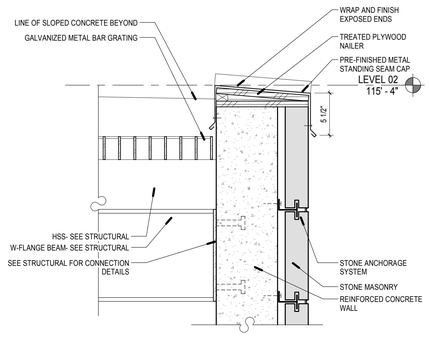
B5 CONCRETE LID OVER TUNNEL ACCESS EW

SCALE: 1 1/2" = 1'-0"



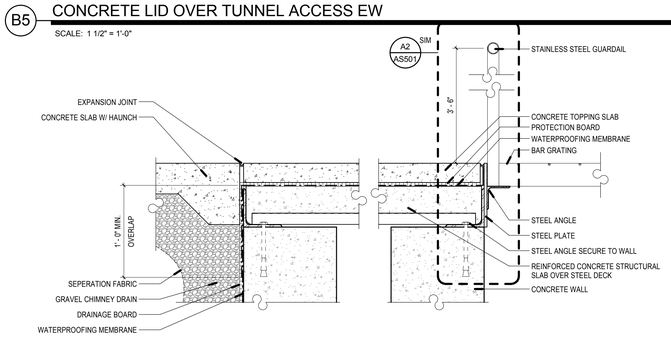
A3 MASONRY VENEER @ LANDSCAPE @ EXTERIOR OF WALL

SCALE: 3" = 1'-0"



A4 STONE MASONRY WALL AT GRATING

SCALE: 1 1/2" = 1'-0"



A5 CONCRETE LID OVER TUNNEL ACCESS NS

SCALE: 1 1/2" = 1'-0"

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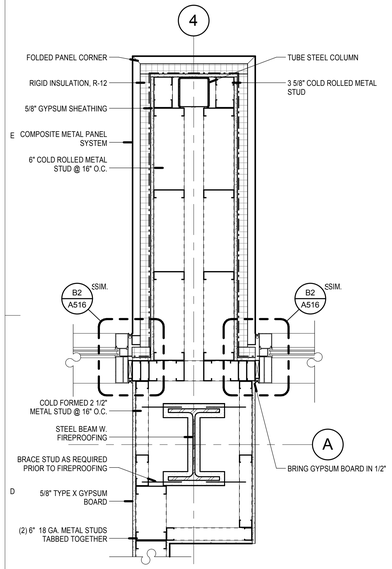
EXTERIOR WALL DETAILS

A515

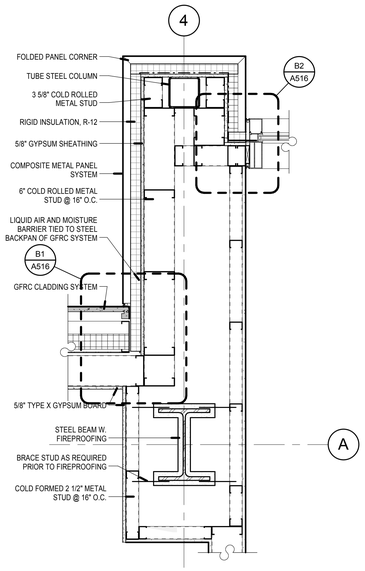
Sheet Number

12/6/2010 4:14:57 PM



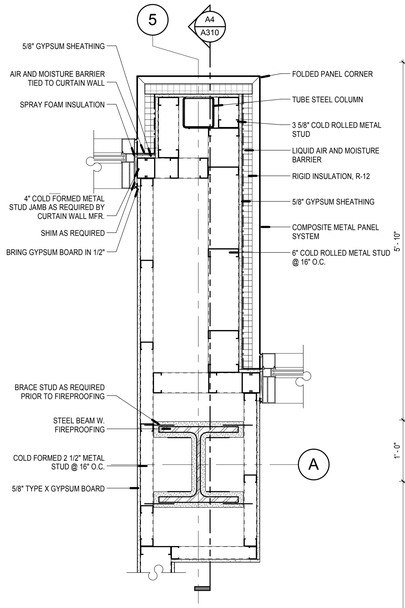
D1 METAL PANEL WRAP @ CURTAIN WALL

SCALE: 1" = 1'-0"



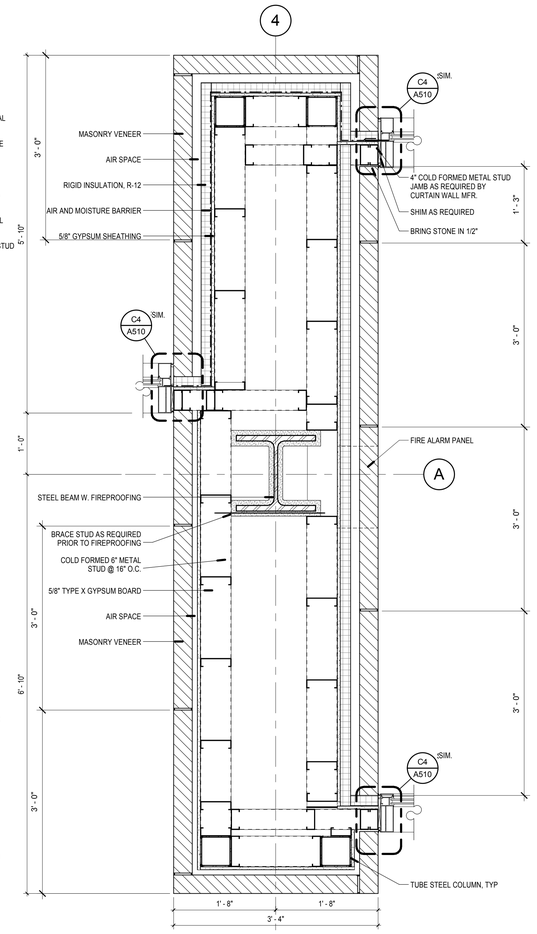
D2 METAL PANEL WRAP @ GFRC

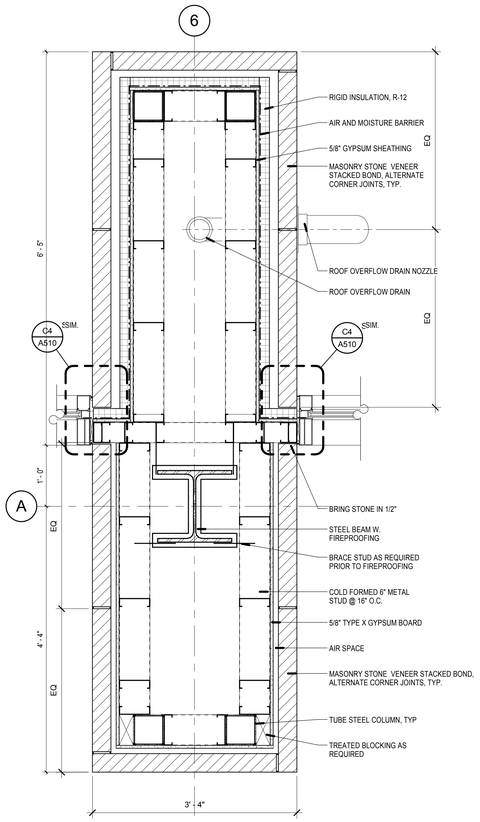
SCALE: 1" = 1'-0"



D3 METAL PANEL WRAP @ OFFSET CURTAINWALL

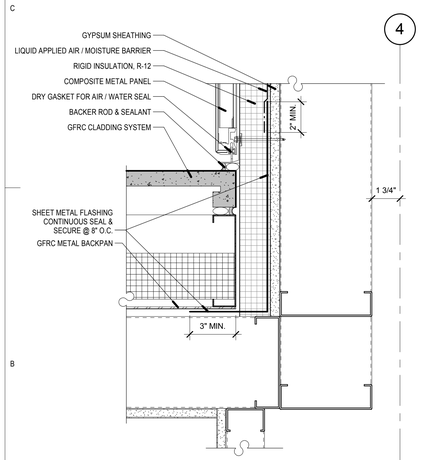
SCALE: 1" = 1'-0"





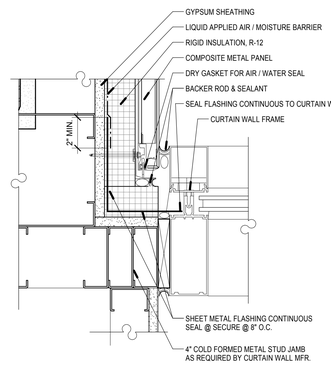
C5 MASONRY WRAP @ A-6

SCALE: 1" = 1'-0"



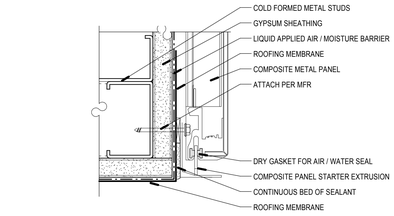
B1 GFRC / COMPOSITE METAL CORNER

SCALE: 3" = 1'-0"



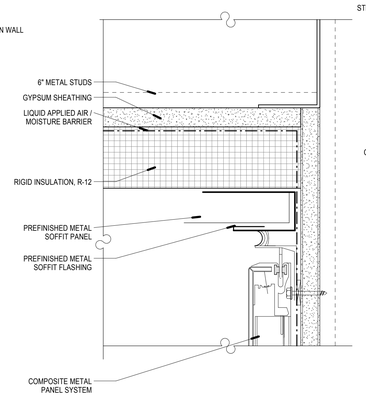
B2 COMPOSITE METAL / CURTAIN WALL

SCALE: 3" = 1'-0"



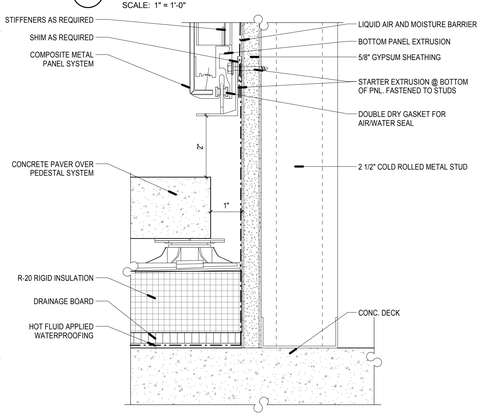
C3 COMPOSITE METAL / ROOF MEMBRANE

SCALE: 6" = 1'-0"



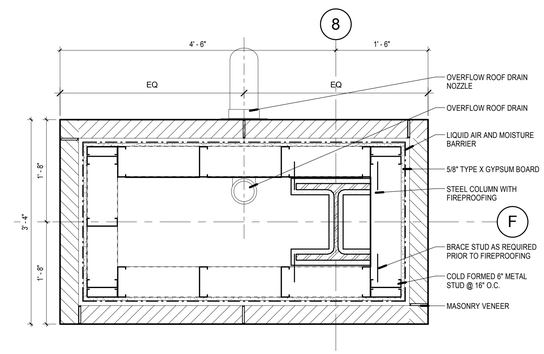
B3 SOFFIT @ COMPOSITE METAL COLUMN

SCALE: 6" = 1'-0"



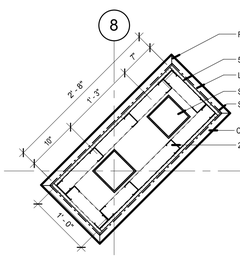
B4 FLASHING @ LEVEL 4 @ GRID H/C

SCALE: 6" = 1'-0"



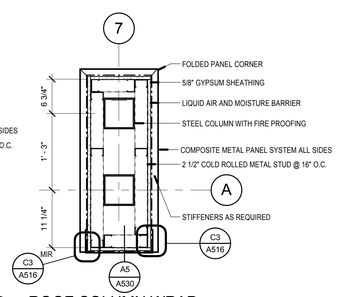
B5 TYPICAL MASONRY COLUMN WRAP

SCALE: 1" = 1'-0"



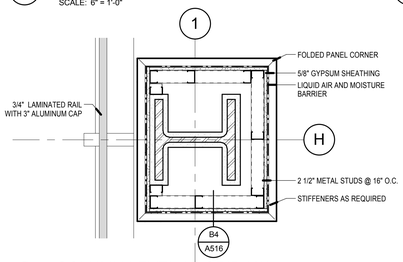
A1 ROOF COLUMN WRAP @ CORNER

SCALE: 1" = 1'-0"



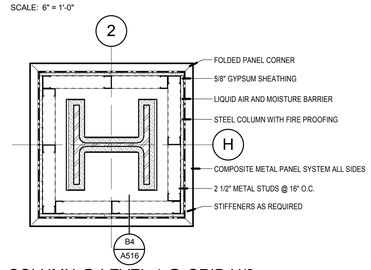
A2 ROOF COLUMN WRAP

SCALE: 1" = 1'-0"



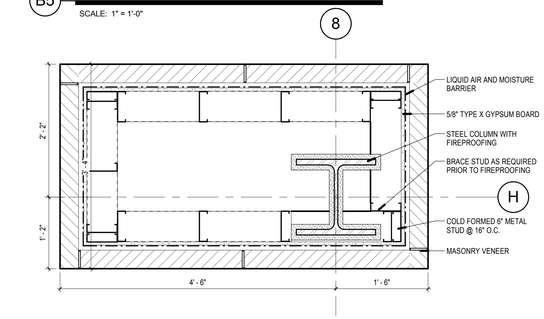
A3 COLUMN LEVEL 04 GRID H/1

SCALE: 1" = 1'-0"



A4 COLUMN @ LEVEL 4 @ GRID H/2

SCALE: 1" = 1'-0"



A5 COLUMN WRAP @ EAST EXTERIOR

SCALE: 1" = 1'-0"

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SASAKI

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DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

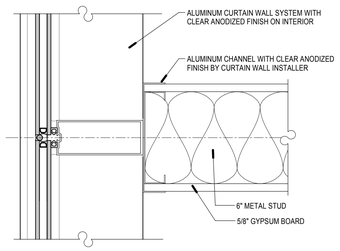
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

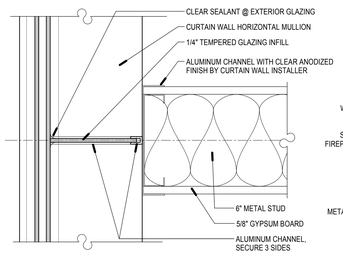
EXTERIOR WALL DETAILS

A516

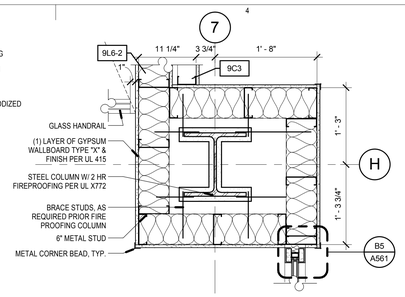
Sheet Number



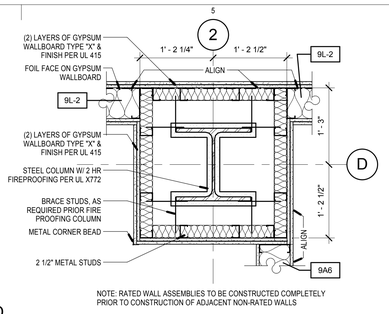
E2 PERPENDICULAR WALL @ CURTAIN MULLION
SCALE: 3" = 1'-0"



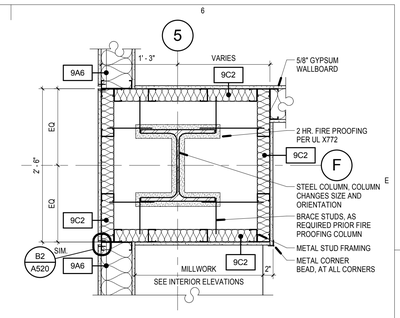
E3 PERPENDICULAR WALL @ CURTAIN WALL
SCALE: 3" = 1'-0"



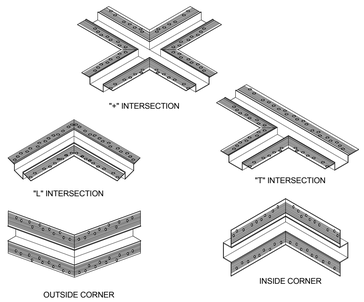
E4 1 HOUR RATED COLUMN @ T.O. GRAND STAIR
SCALE: 1" = 1'-0"



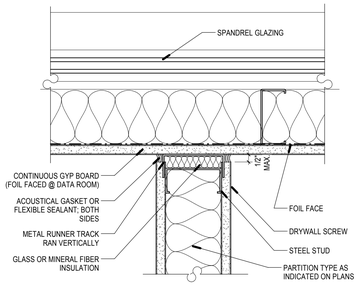
E5 2 HOUR COLUMN @ DATA CENTER
SCALE: 1" = 1'-0"



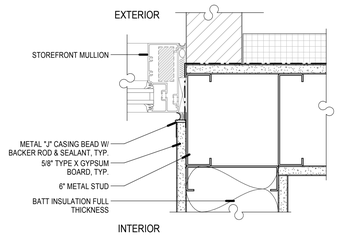
E6 COLUMN WRAP @ LEVEL 2 COLUMN F/5
SCALE: 1" = 1'-0"



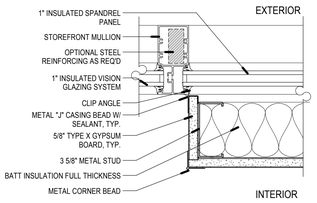
D1 REVEAL END CAP DETAIL
SCALE: 3" = 1'-0"



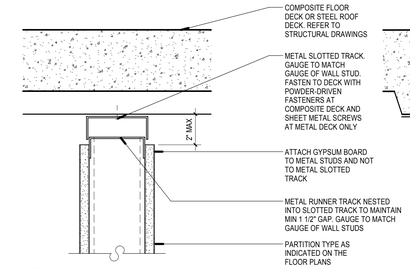
D2 PERPENDICULAR WALL @ SPANDREL
SCALE: 3" = 1'-0"



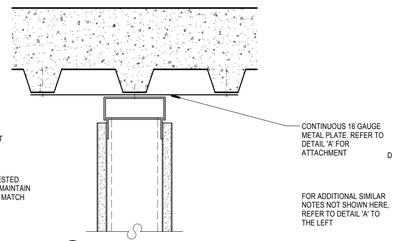
D3 PERPENDICULAR WALL AT STOREFRONT, TYP.
SCALE: 3" = 1'-0"



D4 WALL AT SPANDREL PANEL, TYP.
SCALE: 3" = 1'-0"

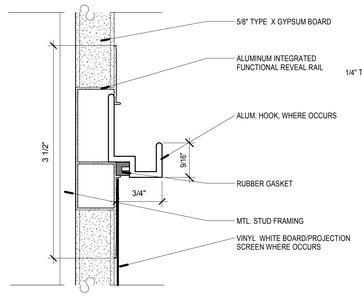


A PERPENDICULAR TO METAL DECK FLUTES

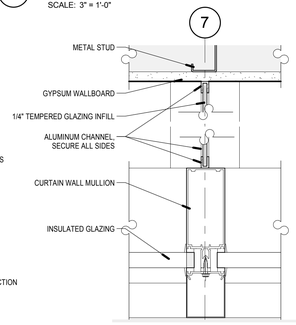


B PARALLEL TO METAL DECK FLUTES

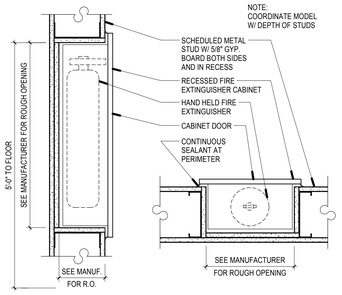
D5 NON-RATED PATITION HEAD CONDITIONS
SCALE: 3" = 1'-0"



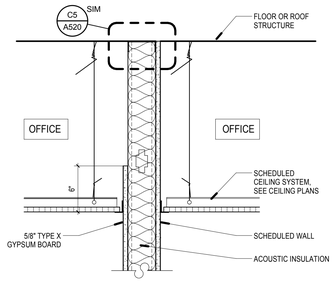
C1 INTEGRATED HOOK REVEAL DETAIL
SCALE: 12" = 1'-0"



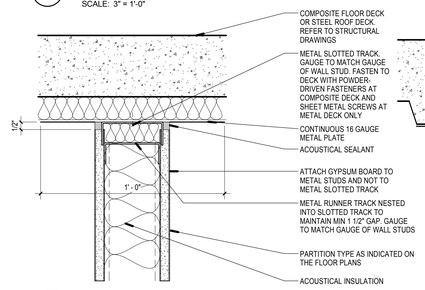
C2 GLASS FIN @ CONFERENCE 357
SCALE: 3" = 1'-0"



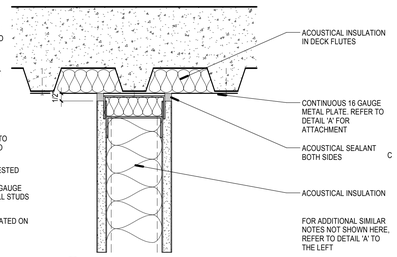
C3 FIRE EXTINGUISHER CABINET
SCALE: 1 1/2" = 1'-0"



C4 TYP. WALL BRACING DETAIL
SCALE: 1 1/2" = 1'-0"

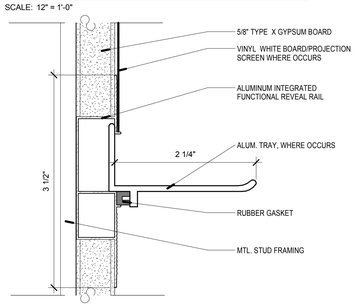


A PERPENDICULAR TO METAL DECK FLUTES

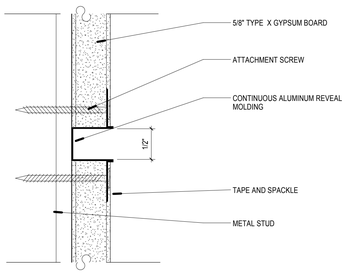


B PARALLEL TO METAL DECK FLUTES

C5 NON-RATED ACOUSTICAL PATITION HEAD CONDITIONS
SCALE: 3" = 1'-0"



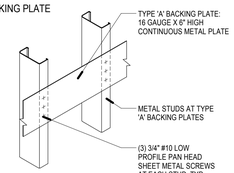
B1 INTEGRATED TRAY REVEAL DETAIL
SCALE: 12" = 1'-0"



B2 GYP. BOARD REVEAL DETAIL
SCALE: 12" = 1'-0"

PROVIDE BACKING PLATES AS INDICATED ON THE DRAWINGS OR WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING SCHEDULE. REFER TO DETAILS ELSEWHERE IN THE SET OF DRAWINGS FOR THE SUPPORT OF WALL MOUNTED ITEMS IN EXCESS OF 200 POUNDS

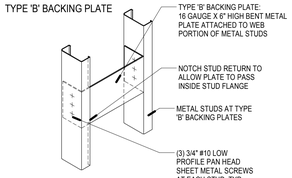
TYPE 'A' BACKING PLATE



TYPE 'A' BACKING PLATES:

- AT DOOR STOPS AND BUMPER RAILS
- AT TOILET ACCESSORIES, MIRRORS, COAT HOOKS, ETC.
- AT ALL UPPER WALL HUNG CABINETS
- AT ALL BASE CABINETS
- AT ALL FULL HEIGHT CABINETS
- AT WALL MOUNTED ADJUSTABLE SHELVING
- AT ALL WALL MOUNTED HANDRAILS

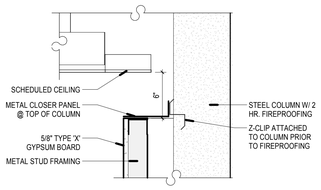
TYPE 'B' BACKING PLATE



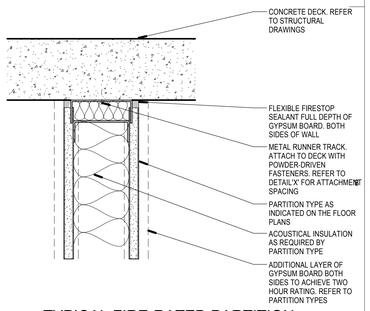
TYPE 'B' BACKING PLATES:

TYPE 'B' BACKING PLATE SHALL SUPPORT THE SAME ITEMS AS TYPE 'A' BACKING PLATE BUT USE WHERE APPEARANCE IS THE MAIN CONCERN SUCH AS LOBBIES AND OTHER HIGH DESIGN AREAS.

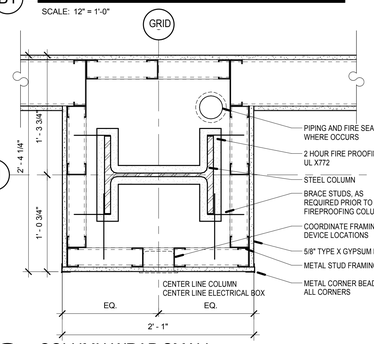
B3 TYPICAL BACKING PLATE SCHEDULE
SCALE: NOT TO SCALE



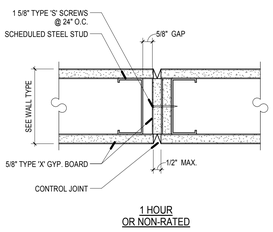
B5 INTERIOR COLUMN @ CEILING
SCALE: 1 1/2" = 1'-0"



B6 TYPICAL FIRE-RATED PARTITION HEAD DETAIL
SCALE: 3" = 1'-0"

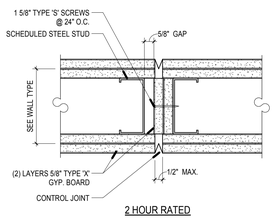


A1 COLUMN WRAP SMALL
SCALE: 1 1/2" = 1'-0"



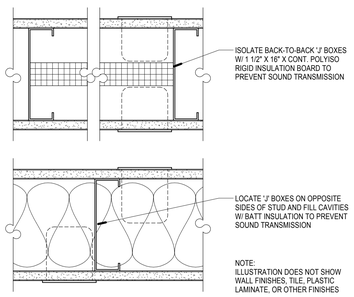
1 HOUR OR NON-RATED

A2 TYPICAL STUD FRAMED CONTROL JOINT
SCALE: 3" = 1'-0"

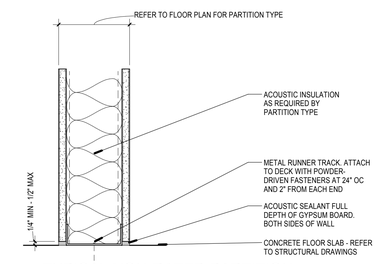


2 HOUR RATED

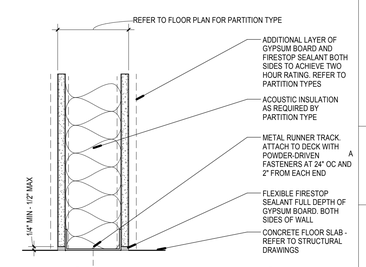
A3 2 HOUR TYPICAL STUD FRAMED CONTROL JOINT
SCALE: 3" = 1'-0"



A4 TYPICAL ELECTRICAL DEVICE DETAIL
SCALE: 3" = 1'-0"



A5 TYPICAL NON-RATED PARTITION BASE DETAIL
SCALE: 3" = 1'-0"



A6 TYPICAL FIRE-RATED PARTITION BASE DETAIL
SCALE: 3" = 1'-0"

12/6/2010 4:15:47 PM

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HOLLAND CENTENNIAL COMMONS

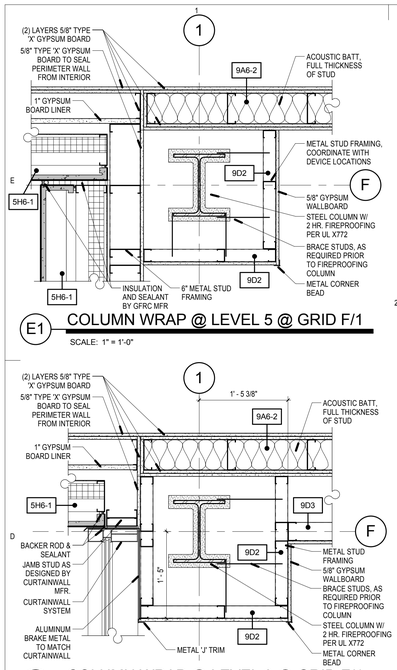
DIXIE STATE COLLEGE OF UTAH
DFCM #0629764O
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

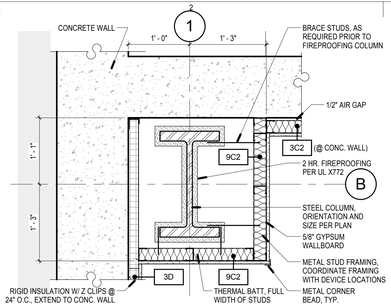
INTERIOR FRAMING DETAILS

A520
Sheet Number



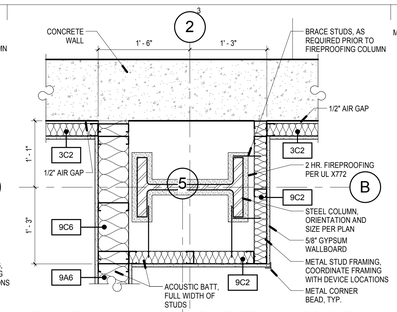
E1 COLUMN WRAP @ LEVEL 5 @ GRID F/1

SCALE: 1" = 1'-0"



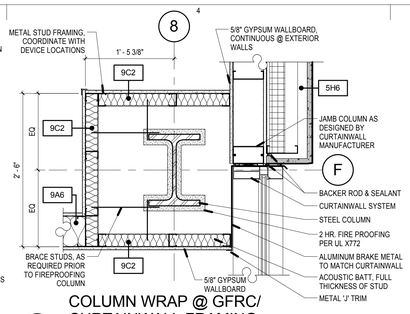
E2 COLUMN WRAP @ LEVEL 1 @ GRID B/1

SCALE: 1" = 1'-0"



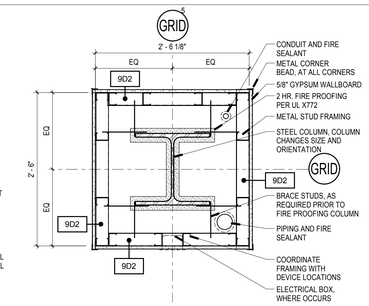
E3 COLUMN WRAP @ LEVEL 1 @ GRID B/2

SCALE: 1" = 1'-0"



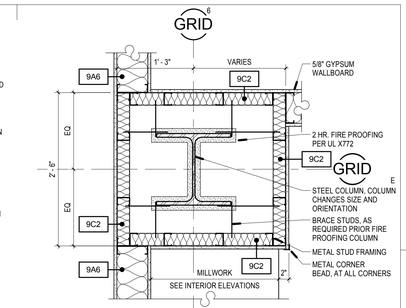
E4 COLUMN WRAP @ GFRC/ CURTAINWALL FRAMING

SCALE: 1" = 1'-0"



E5 TYP. PIPE OR CONDUIT COLUMN WRAP

SCALE: 1" = 1'-0"

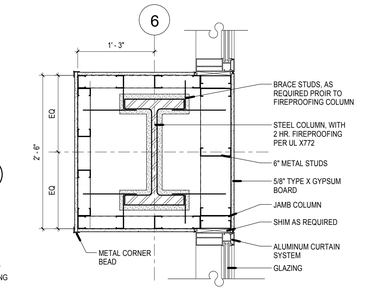


E6 TYPICAL COLUMN WRAP @ MILLWORK

SCALE: 1" = 1'-0"

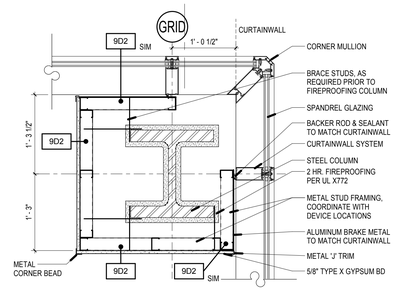
D1 COLUMN WRAP @ LEVEL 3 @ GRID F/1

SCALE: 1" = 1'-0"



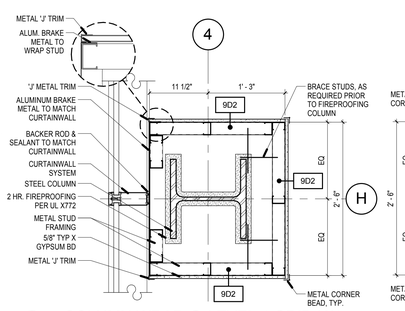
D2 COLUMN WRAP @ CURTAIN WALL

SCALE: 1" = 1'-0"



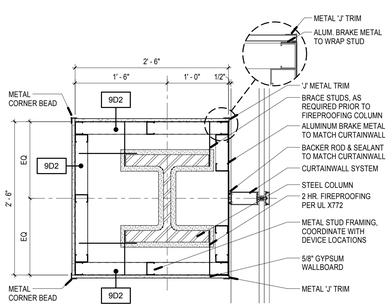
D3 COLUMN WRAP @ CURTAIN WALL CORNER

SCALE: 1" = 1'-0"



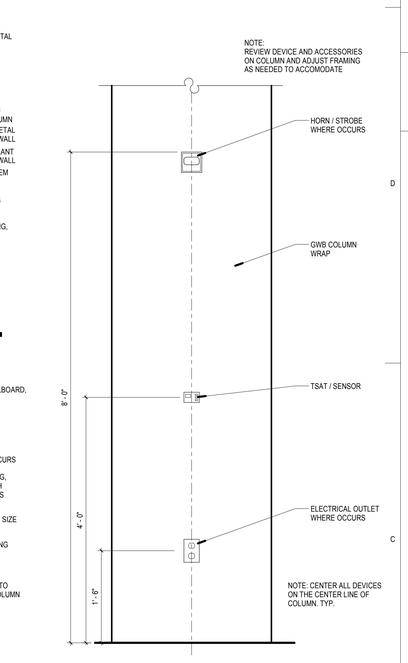
D4 COLUMN WRAP @ LEVEL 4 GRID H/4

SCALE: 1" = 1'-0"



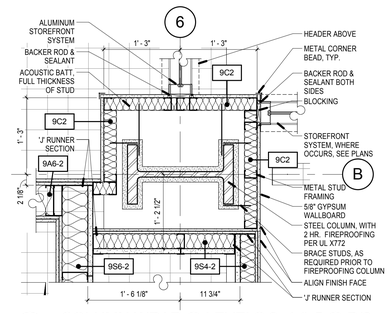
D5 COLUMN WRAP AT CURTAIN WALL

SCALE: 1" = 1'-0"



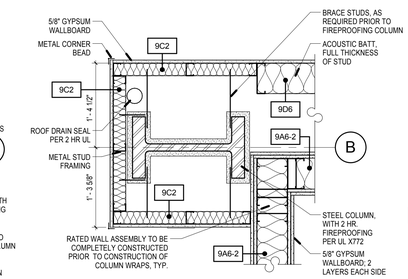
C6 COLUMN WRAP ELEVATION

SCALE: 1" = 1'-0"



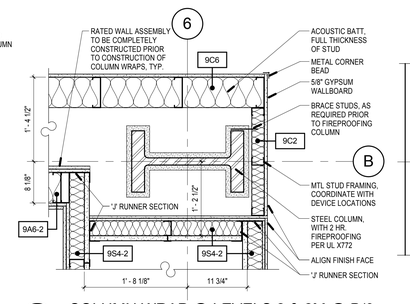
C2 COLUMN WRAP @ LEVELS 3, 4 & 5 @ B/6

SCALE: 1" = 1'-0"



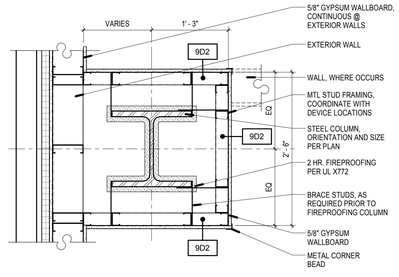
C3 COLUMN WRAP @ LEVEL 2 @ B/5

SCALE: 1" = 1'-0"



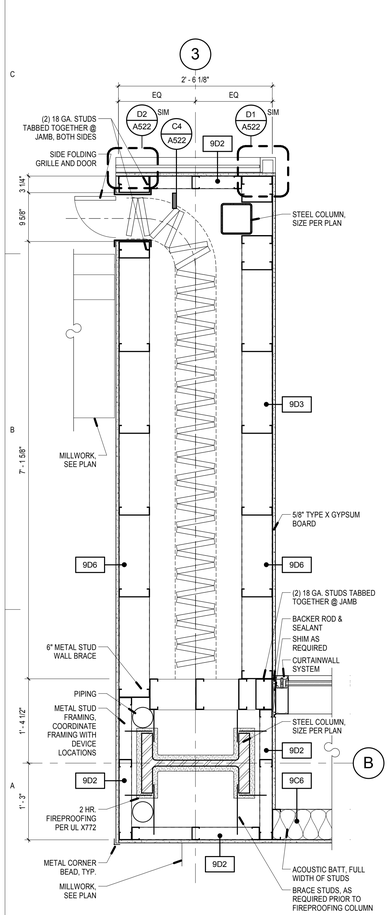
C4 COLUMN WRAP @ LEVELS 2 & 2M @ B/6

SCALE: 1" = 1'-0"



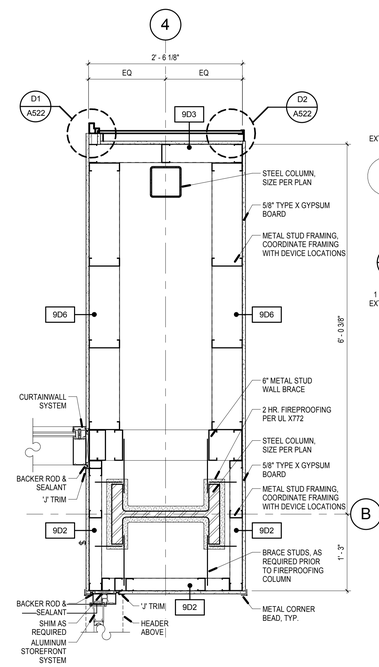
C5 COLUMN WRAP AT EXTERIOR WALL

SCALE: 1" = 1'-0"



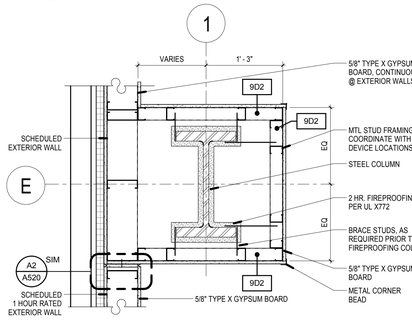
A1 COLUMN WRAP @ LEVEL 02 @ GRID B3

SCALE: 1" = 1'-0"



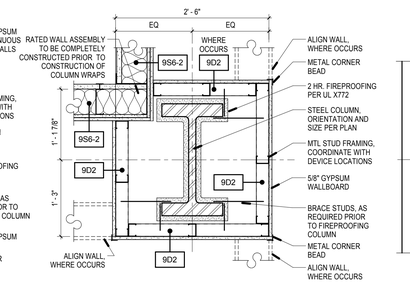
A2 COLUMN WRAP LEVEL 02 GRID B-4

SCALE: 1" = 1'-0"



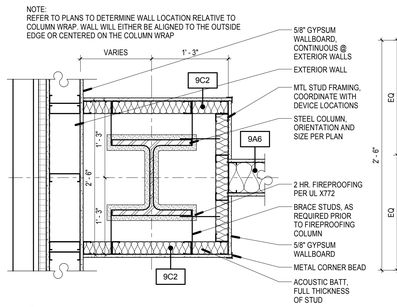
B3 COLUMN WRAP AT COLUMN E1

SCALE: 1" = 1'-0"



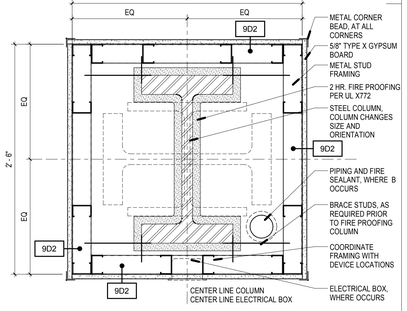
B4 COLUMN WRAP @ RATED WALL

SCALE: 1" = 1'-0"



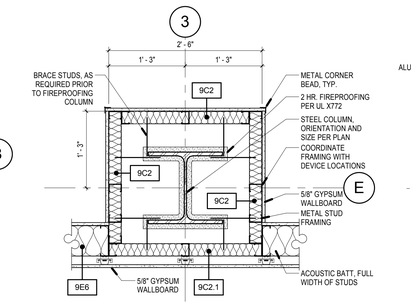
B5 COLUMN WRAP AT EXTERIOR WALL

SCALE: 1" = 1'-0"



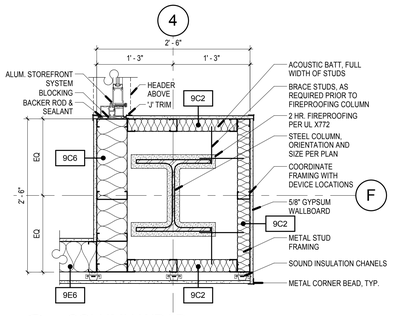
B6 TYPICAL INTERIOR COLUMN WRAP

SCALE: 1 1/2" = 1'-0"



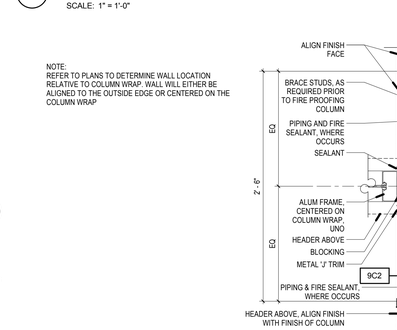
A3 COL. WRAP @ SOUND ISOLATED WALL

SCALE: 1" = 1'-0"



A4 COLUMN WRAP

SCALE: 1" = 1'-0"



A5 TYP. COLUMN WRAP CONDITIONS

SCALE: 1 1/2" = 1'-0"

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VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

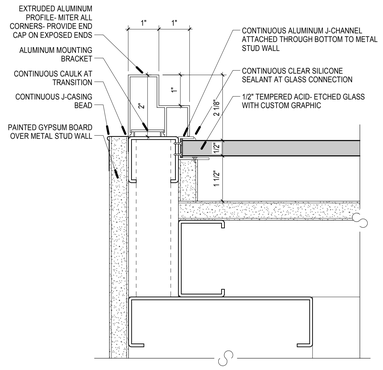
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

COLUMN WRAP DETAILS

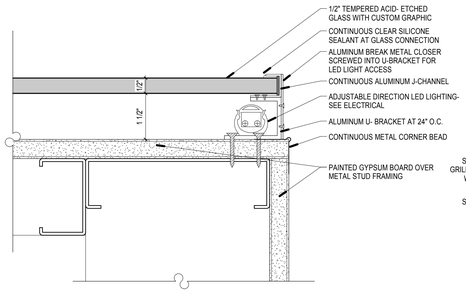
A521

Sheet Number



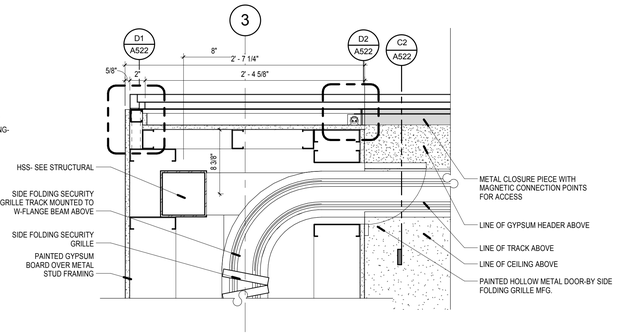
D1 GLASS SIGNAGE JAMB DETAIL-ALUMINUM

SCALE: 6" = 1'-0"



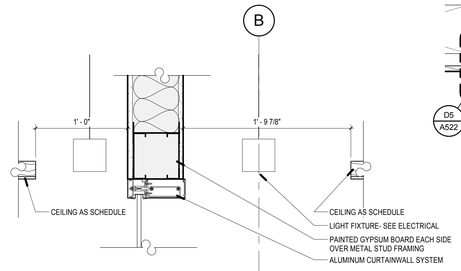
D2 GLASS SIGNAGE JAMB DETAIL-LIGHT

SCALE: 6" = 1'-0"



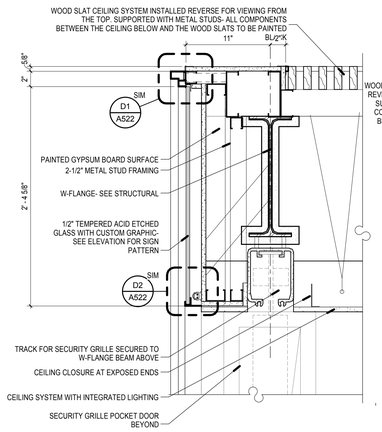
D3 JAMB AT PORTAL ENTRANCE WITH SECURITY GRILLE

SCALE: 1 1/2" = 1'-0"



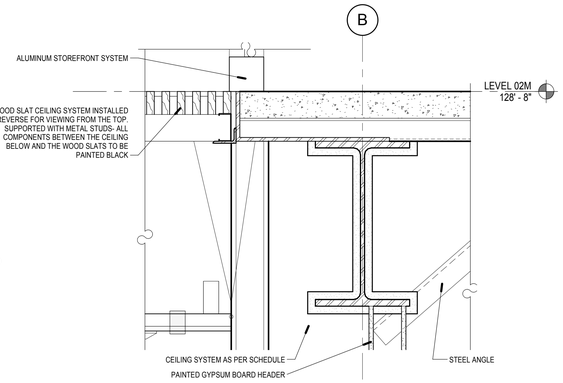
D5 STOREFRONT- CEILING TRANSITION

SCALE: 1 1/2" = 1'-0"



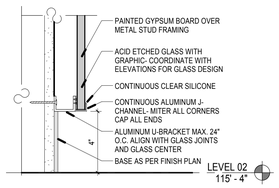
C2 DETAIL AT SECURITY GRILLE

SCALE: 1 1/2" = 1'-0"



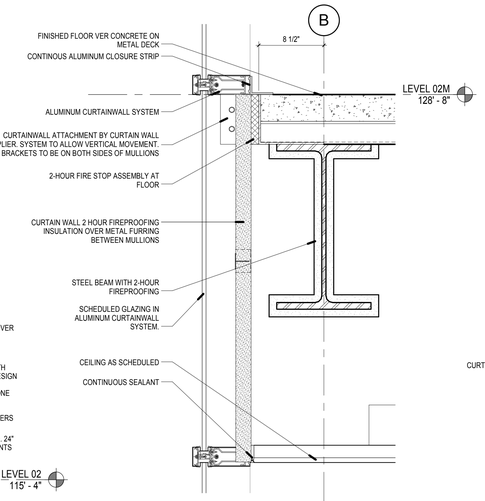
C3 CEILING TRANSITION

SCALE: 1 1/2" = 1'-0"



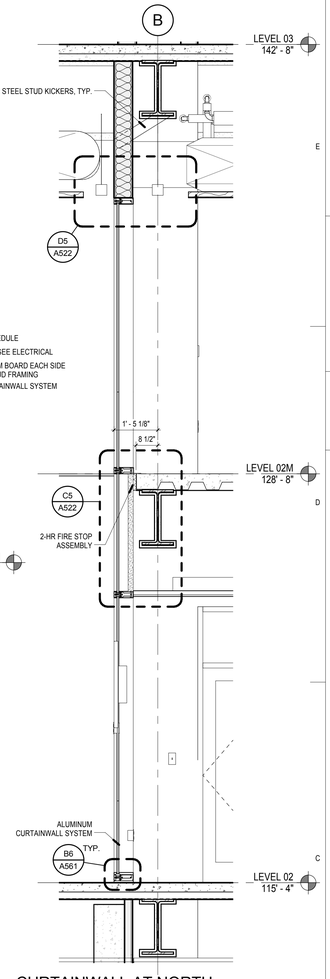
C4 BASE AT PORTAL SIGNAGE

SCALE: 3" = 1'-0"



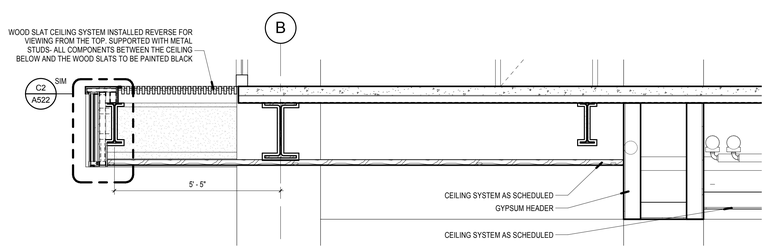
C5 CURTAINWALL AT NORTH ATRIUM SLAB

SCALE: 1 1/2" = 1'-0"



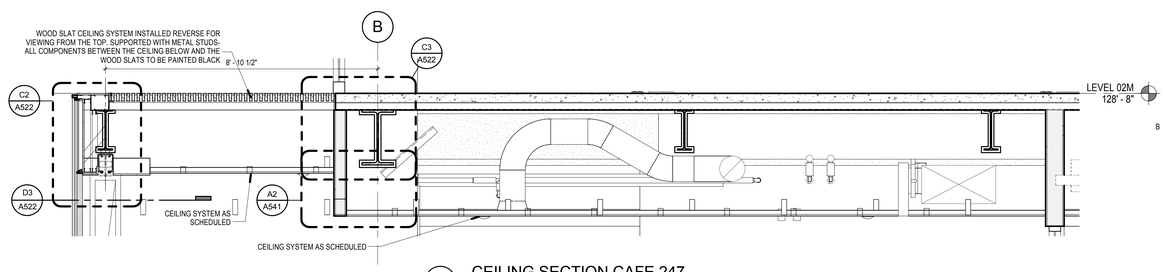
C6 CURTAINWALL AT NORTH ATRIUM

SCALE: 1/2" = 1'-0"



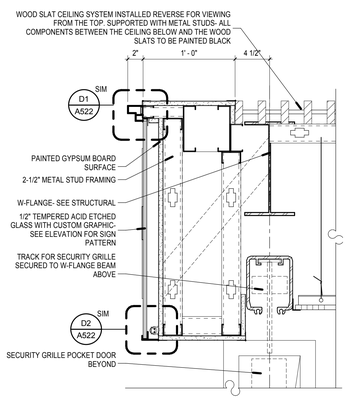
B2 CEILING AT LIBRARY ENTRANCE

SCALE: 1/2" = 1'-0"



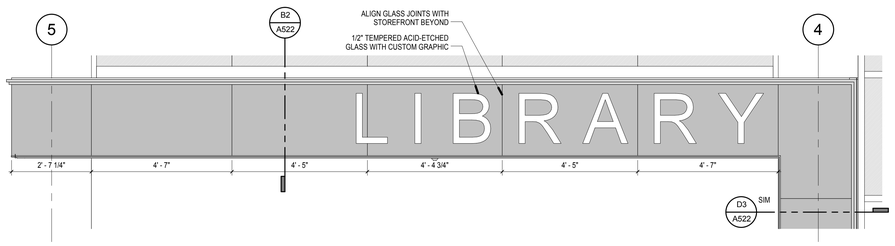
B5 CEILING SECTION CAFE 247

SCALE: 1/2" = 1'-0"



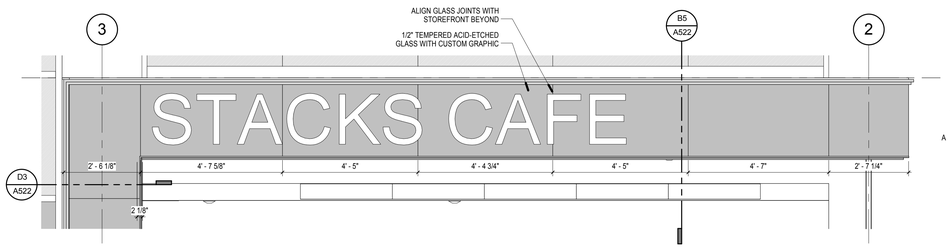
A1 SIGN DETAIL AT CONCESSIONS

SCALE: 1 1/2" = 1'-0"



A2 FRAMING ELEVATION LIBRARY SIGN

SCALE: 1/2" = 1'-0"



A5 FRAMING ELEVATION STACKS CAFE

SCALE: 1/2" = 1'-0"

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VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
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WWW: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

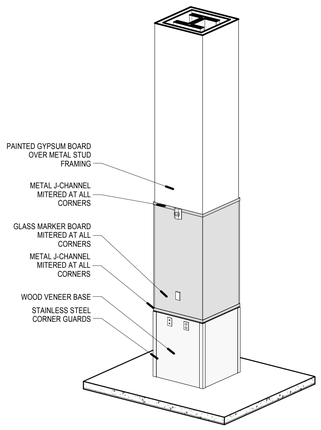
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

INTERIOR DETAILS

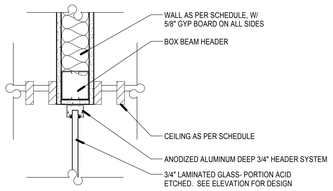
A522

Sheet Number



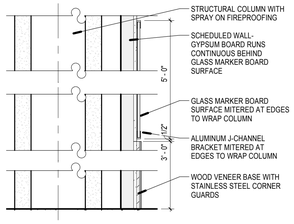
D2 AXON- GLASS MARKER BOARD

SCALE:



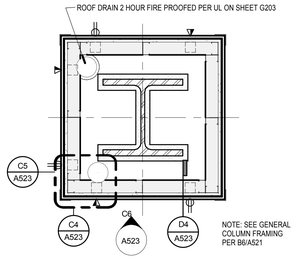
D3 GLASS BOX DETAIL AT CEILING

SCALE: 1 1/2" = 1'-0"



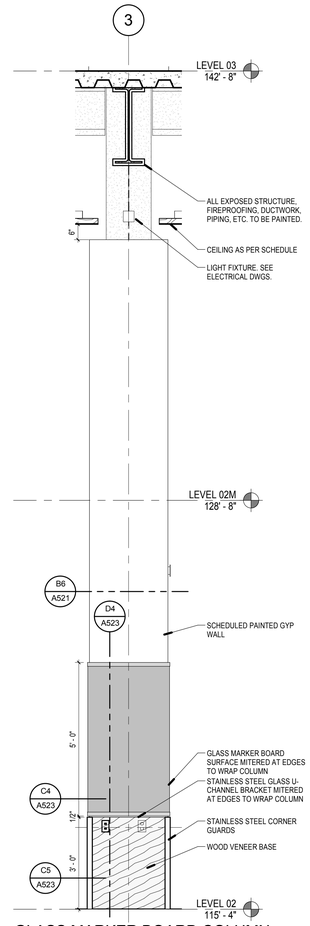
D4 GLASS MARKER BOARD DETAIL

SCALE: 1" = 1'-0"



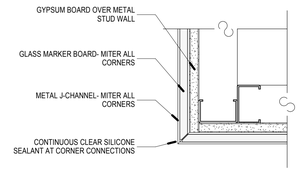
D5 GLASS MARKER BOARD- COLUMN

SCALE: 1" = 1'-0"



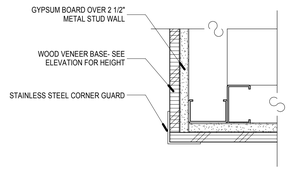
C6 GLASS MARKER BOARD COLUMN ELEVATION

SCALE: 1/2" = 1'-0"



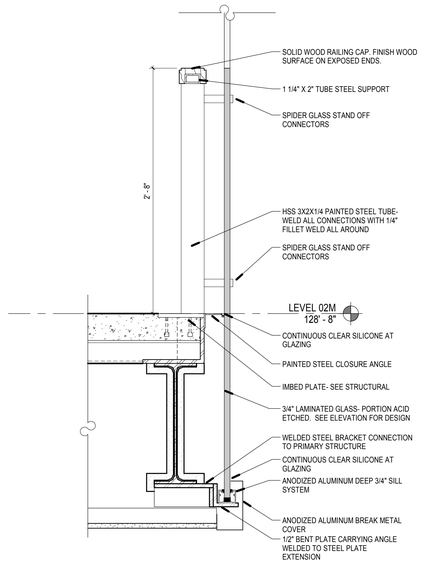
C4 COLUMN- DETAIL AT GLASS MARKER BOARD

SCALE: 3" = 1'-0"



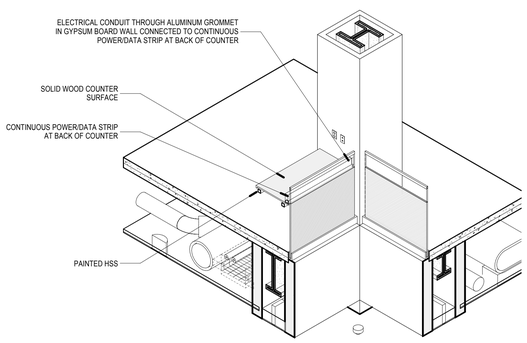
C5 COLUMN- DETAIL AT CORNER GUARD

SCALE: 3" = 1'-0"



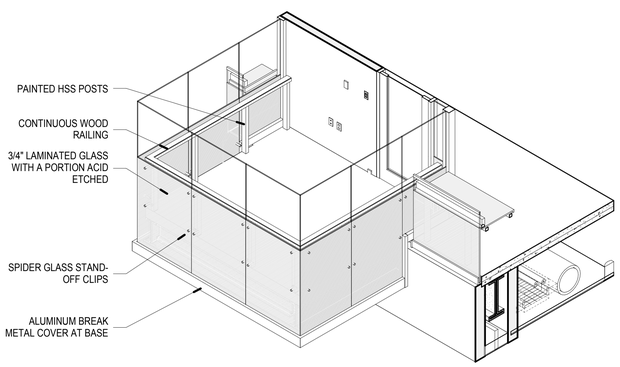
B3 GLASS BOX DETAIL AT BASE

SCALE: 1 1/2" = 1'-0"



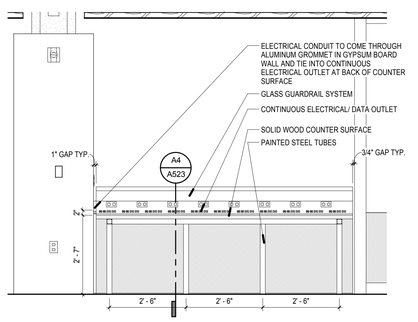
B1 AXON- COUNTER DETAIL 01

SCALE:



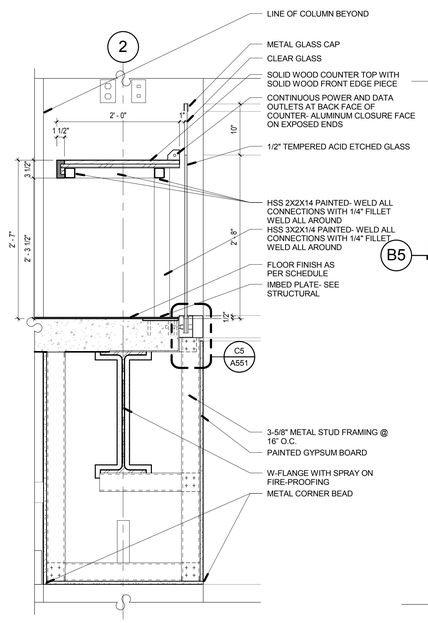
A1 AXON- COUNTER DETAIL 02

SCALE:



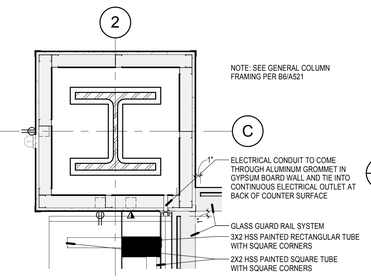
A3 COUNTER AT GLASS GUARDRAIL

SCALE: 1/2" = 1'-0"



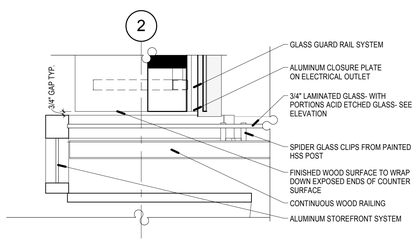
A4 DETAIL- COUNTER AT GLASS GUARDRAIL

SCALE: 1" = 1'-0"



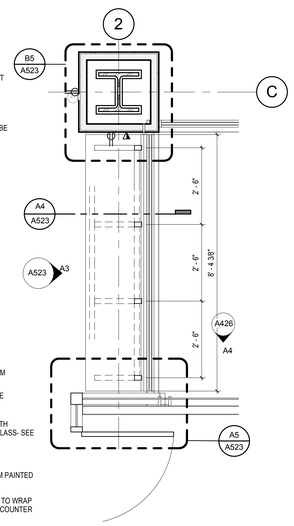
B5 COUNTER TOP AT COLUMN

SCALE: 1" = 1'-0"



A5 COUNTER AT GLASS INTERSECTION

SCALE: 1" = 1'-0"



A6 LEVEL 02M COUNTER

SCALE: 1/2" = 1'-0"

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VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

INTERIOR DETAILS

A523
Sheet Number

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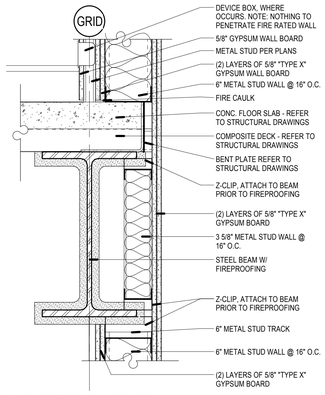
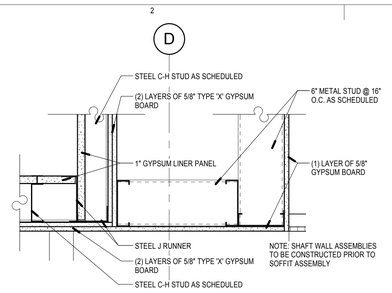


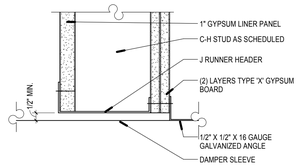
D1 SLAB EDGE @ STAIR

SCALE: 1 1/2" = 1'-0"



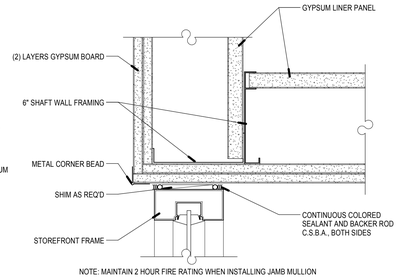
E2 MECHANICAL SHAFT @ CEILING OUTSIDE CORNER

SCALE: 1 1/2" = 1'-0"



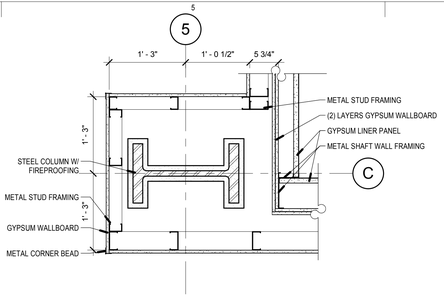
E3 TYPICAL SHAFT WALL AT DAMPER

SCALE: 3" = 1'-0"



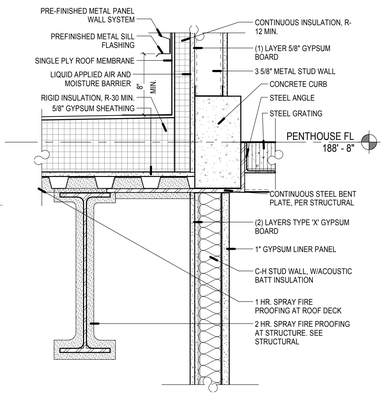
E4 STOREFRONT JAMB @ SHAFT WALL

SCALE: 3" = 1'-0"



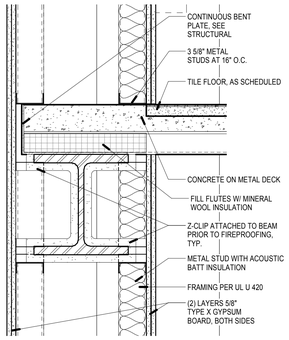
E5 COLUMN GRID C/5

SCALE: 1" = 1'-0"



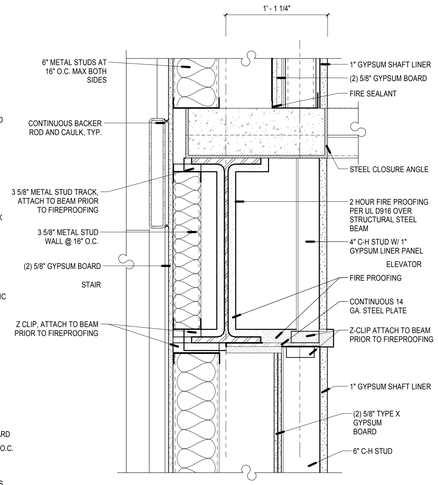
C1 MECHANICAL SHAFT @ PENTHOUSE & ROOF DECK

SCALE: 1 1/2" = 1'-0"



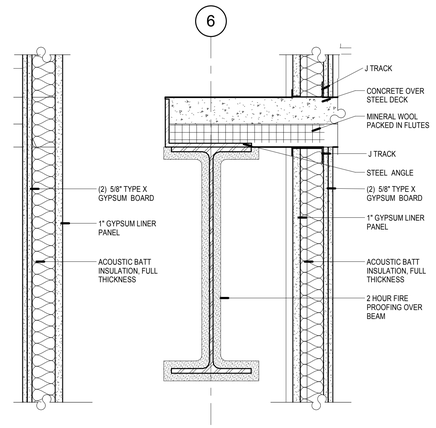
C2 DOUBLE WALL AT SW STAIR

SCALE: 1 1/2" = 1'-0"



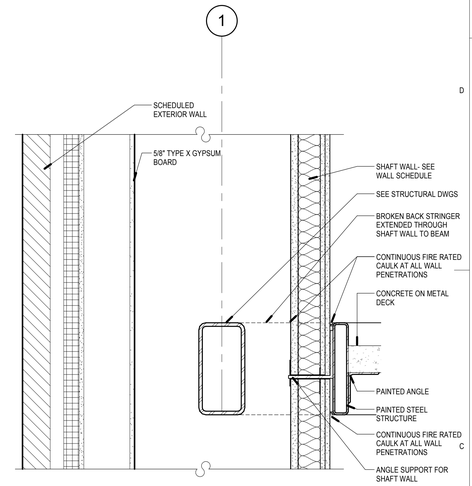
C3 NE STAIR DETAIL 02

SCALE: 1 1/2" = 1'-0"



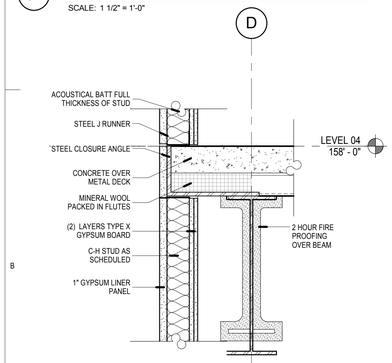
C4 NE STAIR AT GRID 6

SCALE: 1 1/2" = 1'-0"



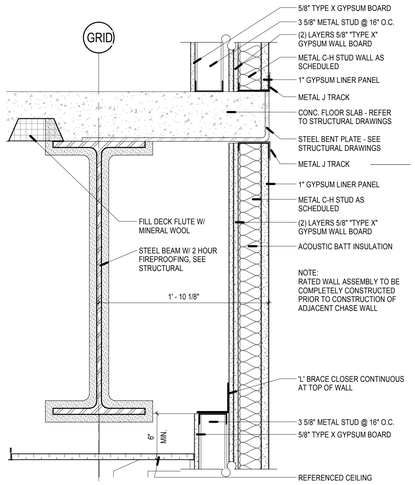
C6 STAIR- NW INTERMEDIATE LANDING

SCALE: 1 1/2" = 1'-0"



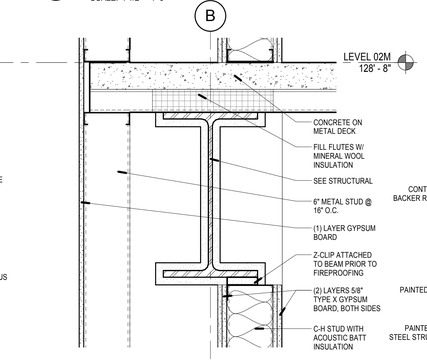
B1 MECHANICAL SHAFT @ FLOOR

SCALE: 1 1/2" = 1'-0"



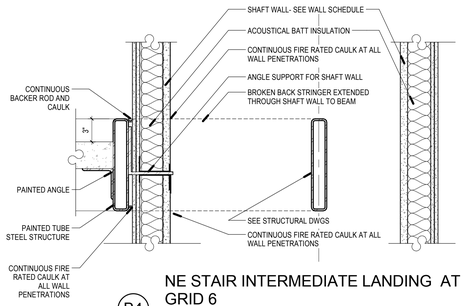
B2 SLAB EDGE @ SHAFT

SCALE: 1 1/2" = 1'-0"



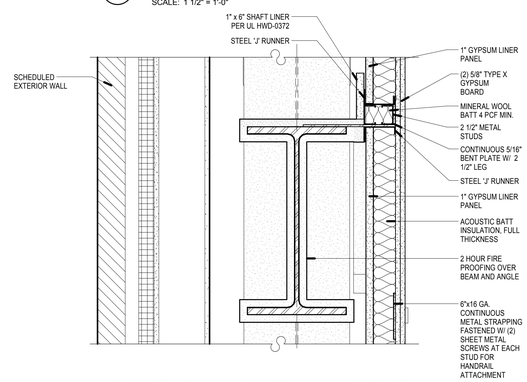
B3 NE STAIR SHAFT WALL GRID B

SCALE: 1 1/2" = 1'-0"



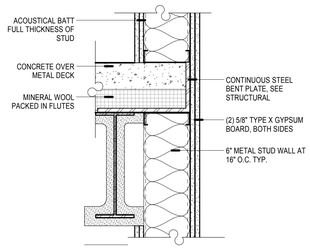
B4 NE STAIR INTERMEDIATE LANDING AT GRID 6

SCALE: 1 1/2" = 1'-0"



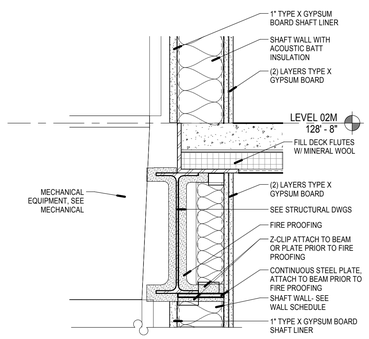
B6 STAIR- NW SHAFTWALL SUPPORT

SCALE: 1 1/2" = 1'-0"



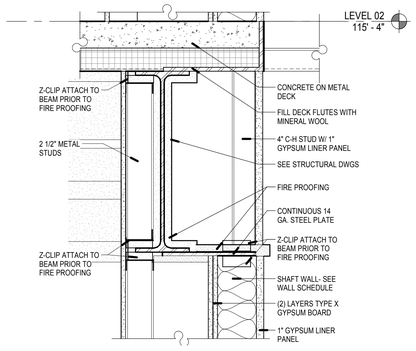
A1 NW MECHANICAL SHAFT @ FLOOR

SCALE: 1 1/2" = 1'-0"



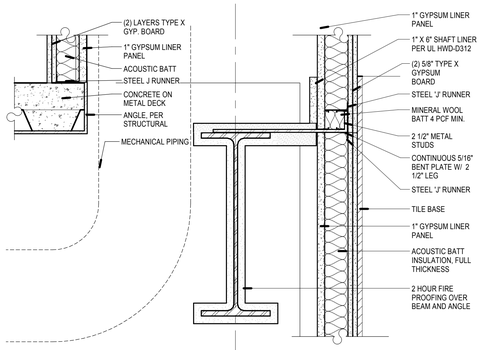
A2 NW MECHANICAL SHAFT @ FLOOR W/BEAM

SCALE: 1 1/2" = 1'-0"



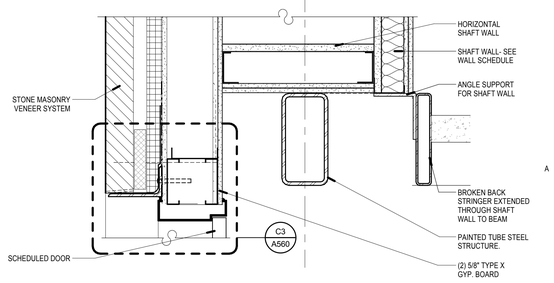
A3 NE STAIR SLAB- ELEVATOR SHAFT WALL DETAIL

SCALE: 1 1/2" = 1'-0"



A4 NE STAIR AT GRID 6- BASE

SCALE: 1 1/2" = 1'-0"



A6 STAIR-NW LANDING AT DOOR

SCALE: 1 1/2" = 1'-0"

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

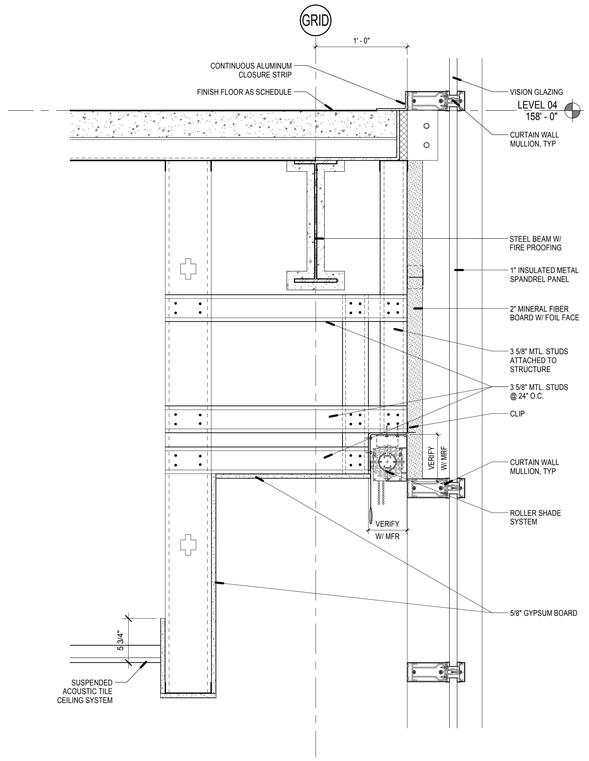
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

SHAFT DETAILS

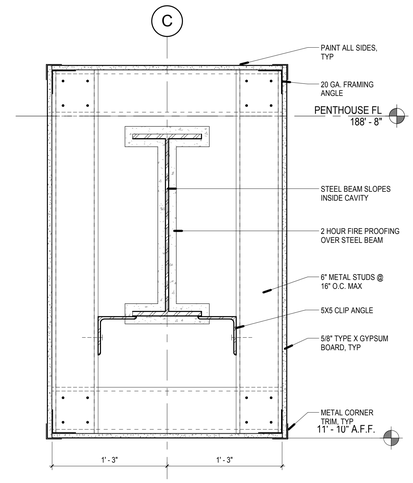
A524

Sheet Number



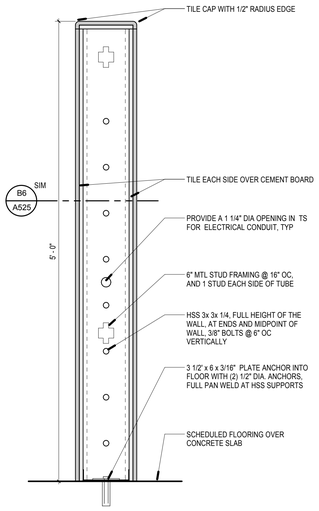
C3 TYP. WINDOW POCKET DETAIL @ CURTAINWALL

SCALE: 1 1/2" = 1'-0"



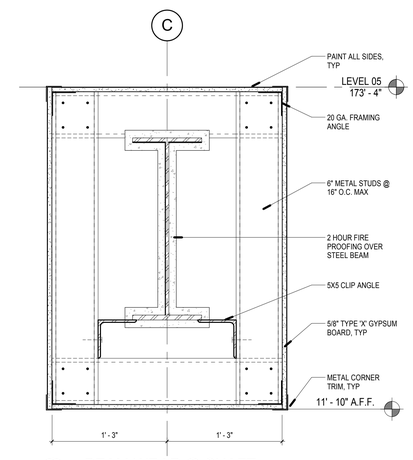
D5 BEAM WRAP @ SKYLIGHT

SCALE: 1 1/2" = 1'-0"



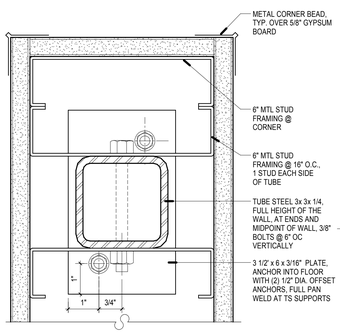
D6 LOW WALL- CONCESSIONS

SCALE: 1 1/2" = 1'-0"



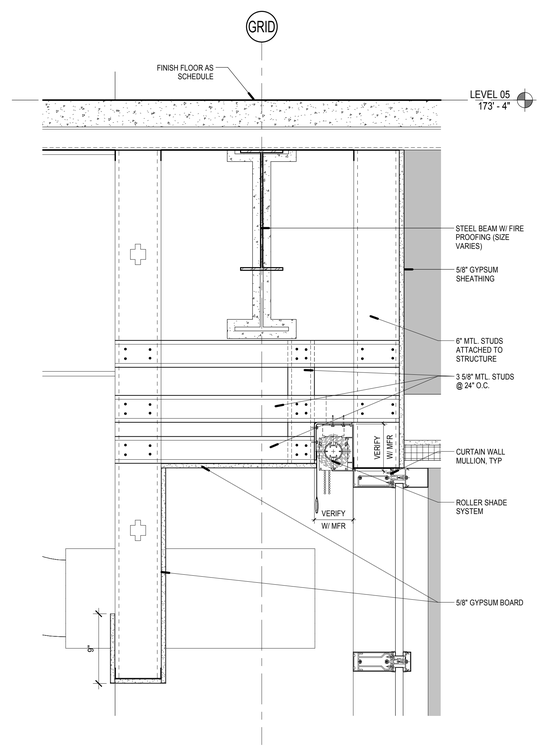
B5 BEAM WRAP @ SHAFT

SCALE: 1 1/2" = 1'-0"



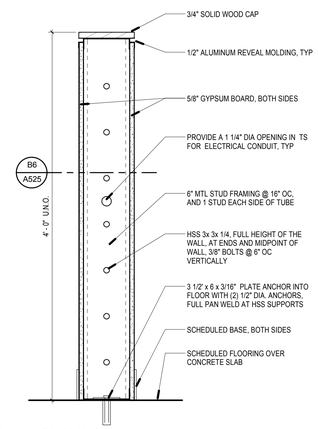
B6 LOW WALL REINFORCEMENT

SCALE: 6" = 1'-0"



A3 WINDOW POCKET @ SOFFIT

SCALE: 1 1/2" = 1'-0"



A6 LOW WALL

SCALE: 1 1/2" = 1'-0"

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #06297640

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

INTERIOR DETAILS

A525

Sheet Number

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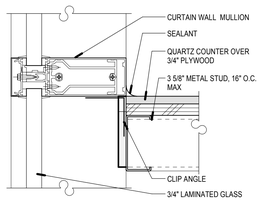
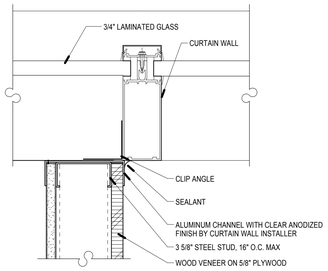


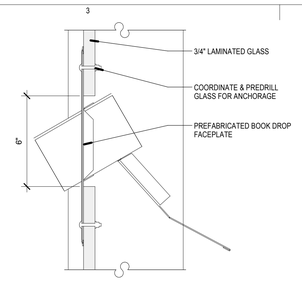
E1 BOOK DROP CLOSET @ CURTAIN WALL @ HORIZ. MULLION

SCALE: 3" = 1'-0"



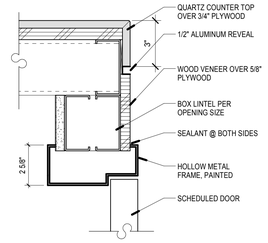
E2 BOOK DROP CLOSET @ CURTAIN WALL @ VERTICAL MULLION

SCALE: 3" = 1'-0"



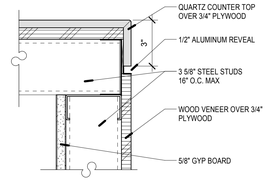
E3 BOOK DROP @ SPANDREL GLAZING PANEL

SCALE: 3" = 1'-0"



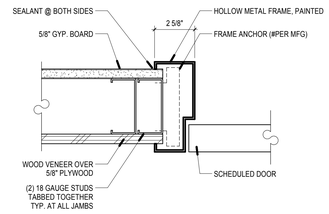
E4 BOOK DROP CLOSET @ DOOR HEADER

SCALE: 3" = 1'-0"



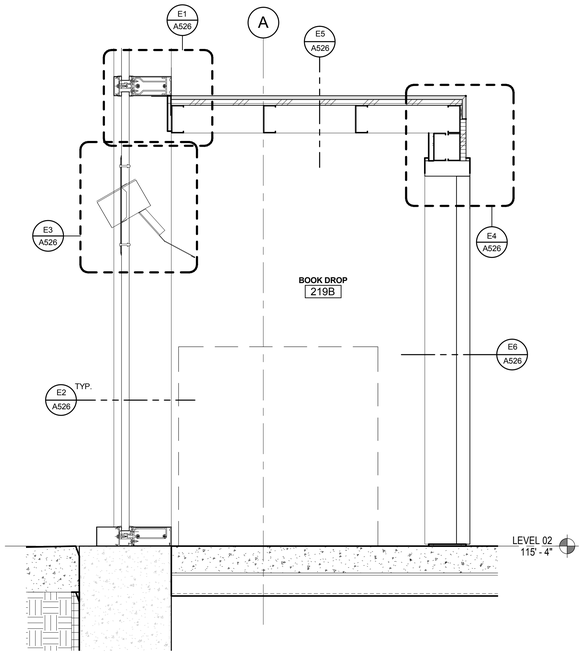
E5 BOOK DROP CLOSET @ SIDE EDGE

SCALE: 3" = 1'-0"



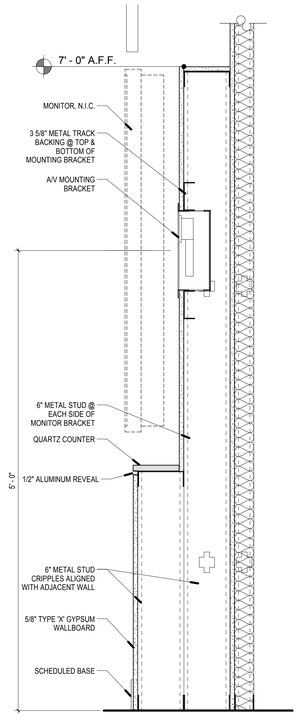
E6 DROP BOX CLOSET DOOR JAMB

SCALE: 3" = 1'-0"



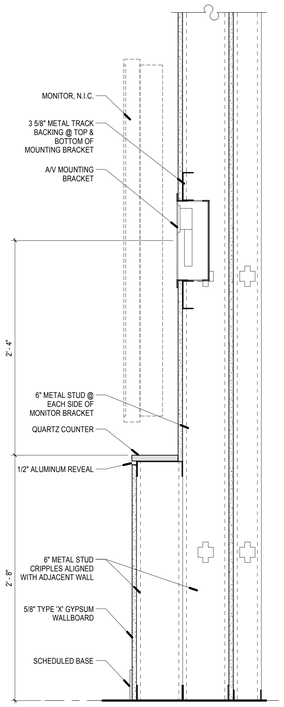
C1 BOOK DROP CLOSET

SCALE: 1 1/2" = 1'-0"



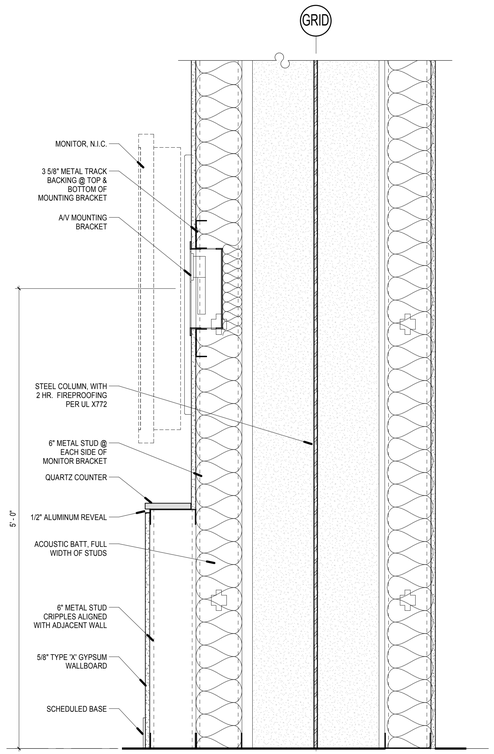
B3 DISPLAY MOUNT FURRED @ WALL & EXPOSED TOP

SCALE: 1 1/2" = 1'-0"



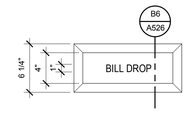
B4 DISPLAY MOUNT FURRED @ WALL

SCALE: 1 1/2" = 1'-0"



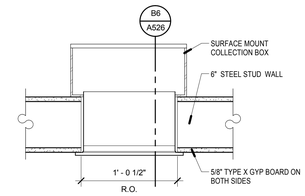
B5 DISPLAY MOUNT FLUSH @ WALL

SCALE: 1 1/2" = 1'-0"



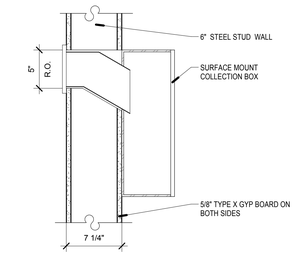
D6 BILL DROP BOX ELEVATION

SCALE: 1 1/2" = 1'-0"



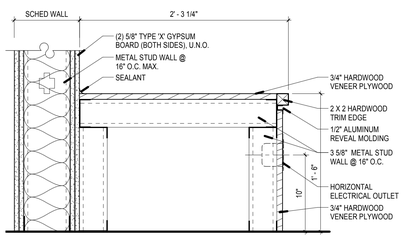
C6 BILL DROP BOX PLAN

SCALE: 1 1/2" = 1'-0"



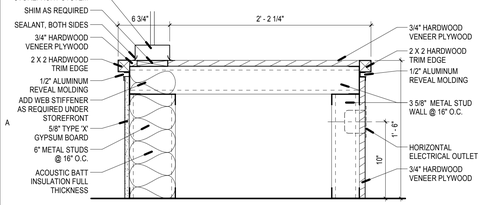
B6 BILL DROP BOX SECTION

SCALE: 1 1/2" = 1'-0"



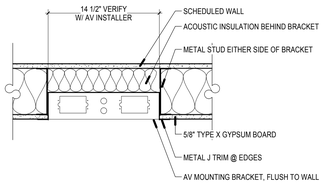
B1 FRAMED BENCH @ WALL

SCALE: 1 1/2" = 1'-0"



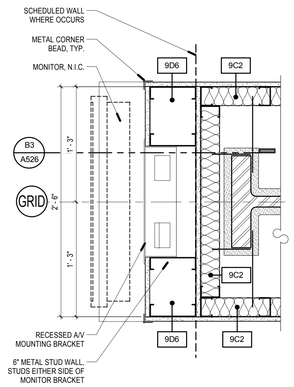
A1 FRAMED BENCH AT ALUMINUM STOREFRONT

SCALE: 1 1/2" = 1'-0"



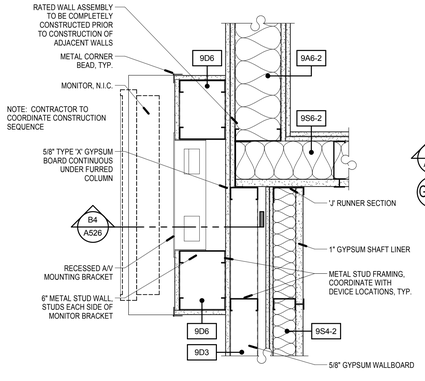
A2 FLUSH DISPLAY MOUNT (PLAN VIEW)

SCALE: 1 1/2" = 1'-0"



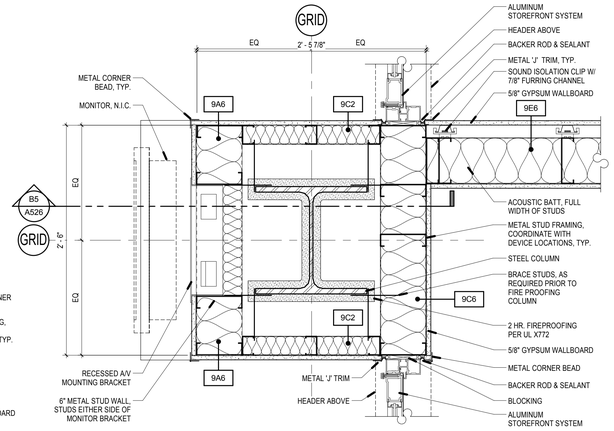
A3 DISPLAY MOUNT FURRED @ WALL & EXPOSED TOP

SCALE: 1 1/2" = 1'-0"



A4 DISPLAY MOUNT @ FURRED WALL

SCALE: 1 1/2" = 1'-0"



A5 DISPLAY MOUNT FLUSH @ WALL

SCALE: 1 1/2" = 1'-0"

12/6/2010 4:18:20 PM

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #062976 40

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

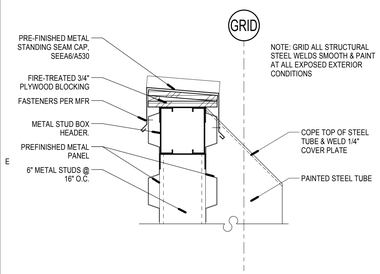
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

INTERIOR DETAILS

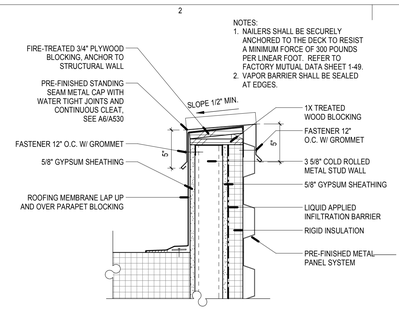
A526

Sheet Number



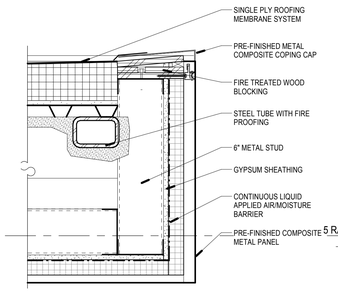
E1 PARAPET CAP @ SCREEN WALL

SCALE: 1 1/2" = 1'-0"



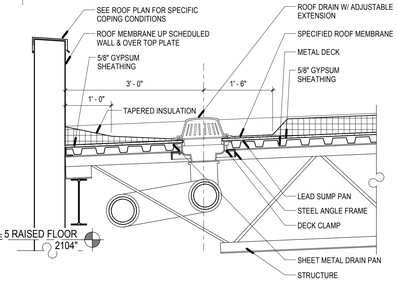
E2 PENTHOUSE PARAPET

SCALE: 1 1/2" = 1'-0"



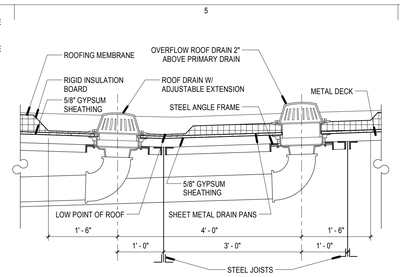
E3 ROOF CAP @ WEST STAIR

SCALE: 1 1/2" = 1'-0"



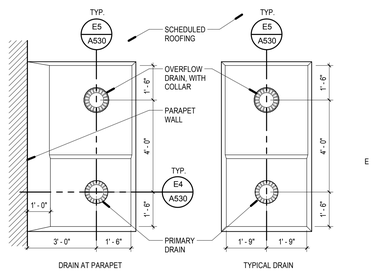
E4 ROOF DRAIN SECTION B-B

SCALE: 3/4" = 1'-0"



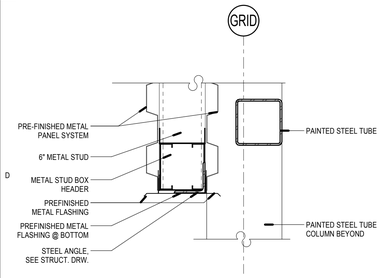
E5 ROOF DRAIN SECTION A-A

SCALE: 3/4" = 1'-0"



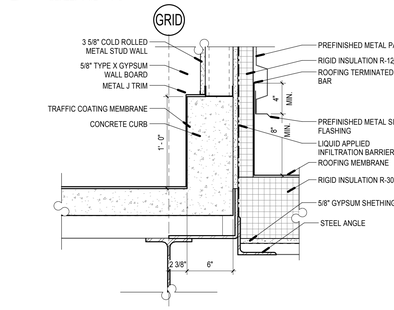
E6 TYPICAL ROOF DRAINS

SCALE: 3/8" = 1'-0"



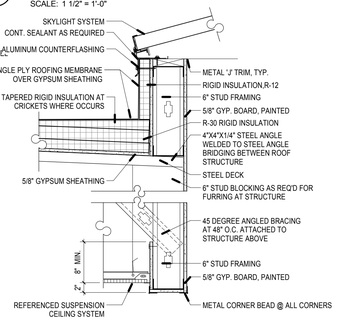
D1 B.O. SCREEN WALL

SCALE: 1 1/2" = 1'-0"



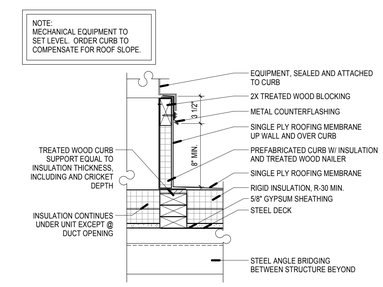
D2 B.O. PENTHOUSE WALL @ ROOF

SCALE: 1 1/2" = 1'-0"



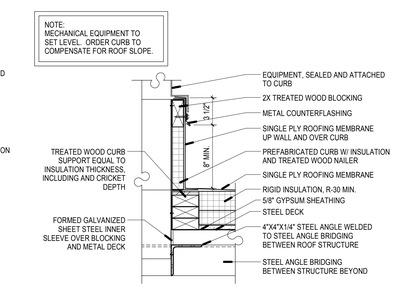
D3 TYPICAL SKYLIGHT DETAIL

SCALE: 1" = 1'-0"



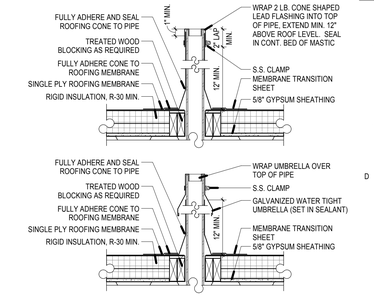
D4 ROOF AIR HANDLER CURB

SCALE: 1 1/2" = 1'-0"



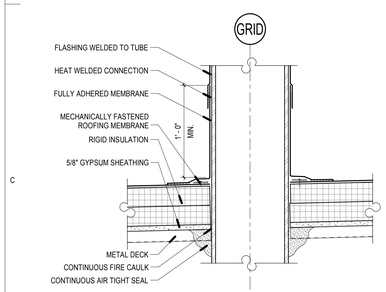
D5 ROOF CURB DETAIL

SCALE: 1 1/2" = 1'-0"



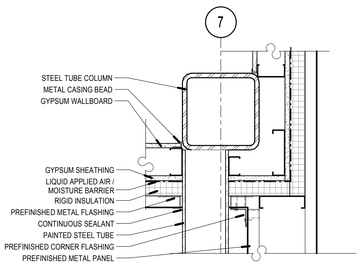
D6 ROOF PENETRATION DETAILS

SCALE: 1" = 1'-0"



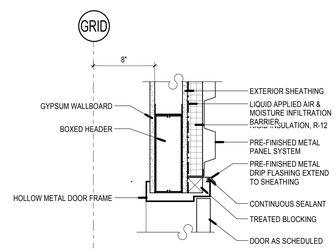
C1 COLUMN FLASHING @ ROOF PENETRATION

SCALE: 1 1/2" = 1'-0"



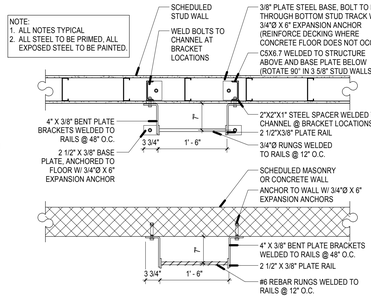
C2 PENTHOUSE / SCREEN WALL INTERSECTION

SCALE: 1 1/2" = 1'-0"



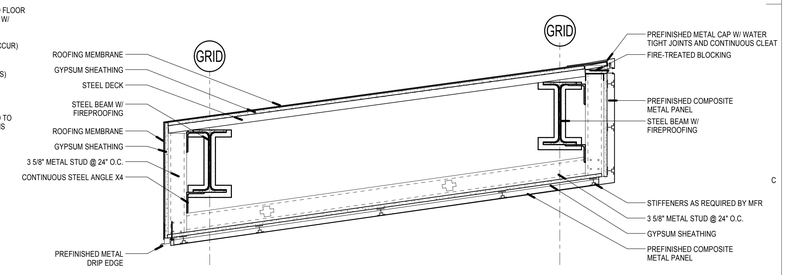
C3 DOOR HEAD @ PENTHOUSE

SCALE: 1 1/2" = 1'-0"



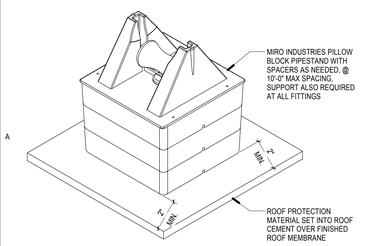
C4 TYPICAL ROOF LADDER DETAILS

SCALE: 3/4" = 1'-0"



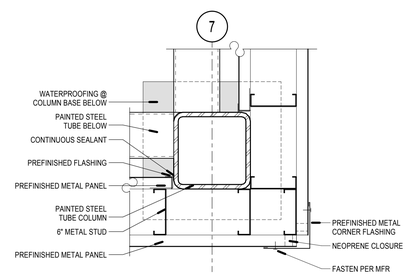
C5 BROW DETAIL

SCALE: 1" = 1'-0"



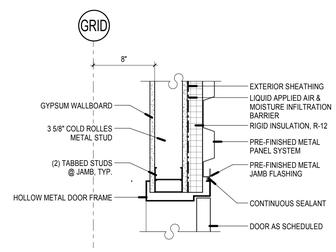
A1 GAS PIPE SUPPORT DETAIL

SCALE: 3" = 1'-0"



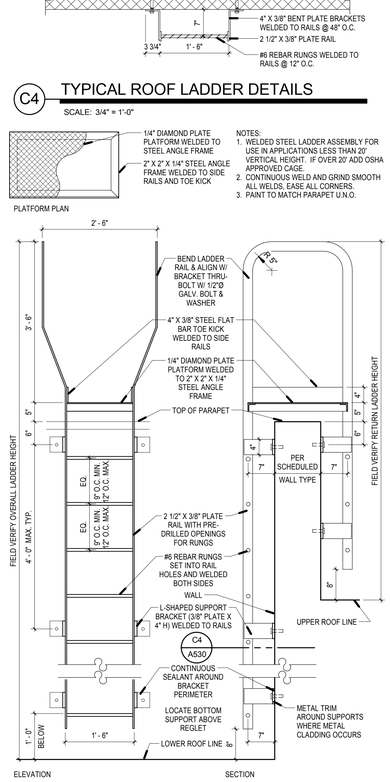
B2 CORNER OF SCREEN WALL

SCALE: 1 1/2" = 1'-0"



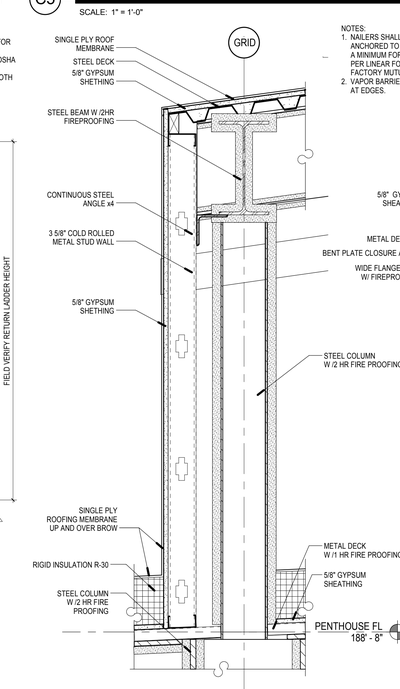
B3 DOOR JAMB @ PENTHOUSE

SCALE: 1 1/2" = 1'-0"



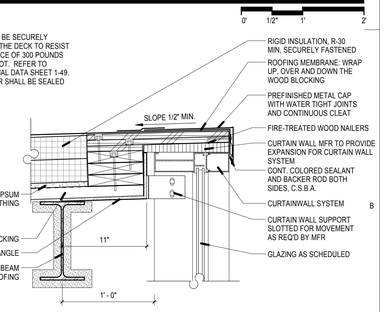
A4 ROOF LADDER

SCALE: 3/4" = 1'-0"



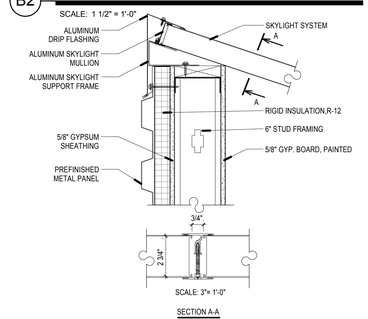
A5 BROW FLASHING

SCALE: 1 1/2" = 1'-0"



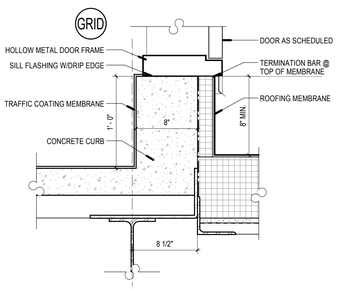
B6 CURTAIN WALL - CAP DETAIL

SCALE: 1 1/2" = 1'-0"



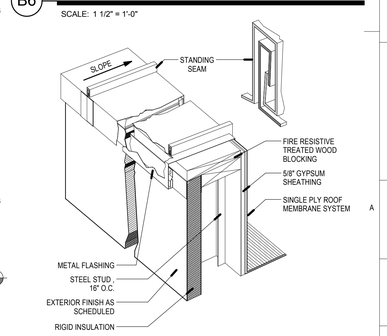
A2 TYPICAL SKYLIGHT RIDGE DETAIL

SCALE: 1 1/2" = 1'-0"



A3 DOOR SILL @ PENTHOUSE

SCALE: 1 1/2" = 1'-0"



A6 STANDING SEAM COPING ISOMETRIC

SCALE: 1 1/2" = 1'-0"

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VCBO ARCHITECTURE
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

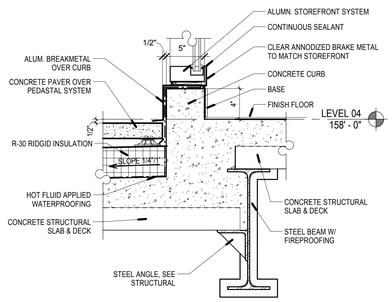
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ROOF DETAILS

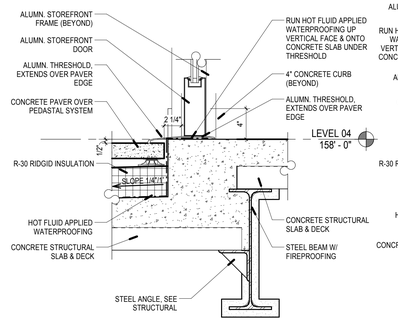
A530

Sheet Number



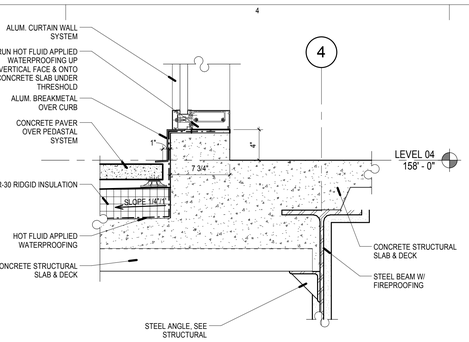
D2 STOREFRONT SILL @ TERRACE

SCALE: 1 1/2" = 1'-0"



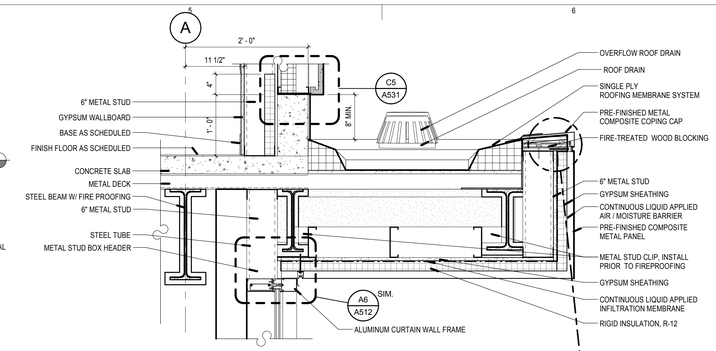
D3 STOREFRONT THRESHOLD @ TERRACE

SCALE: 1 1/2" = 1'-0"



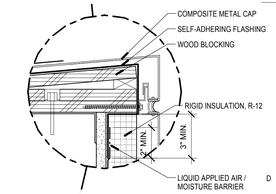
D4 CURTAIN WALL @ TERRACE

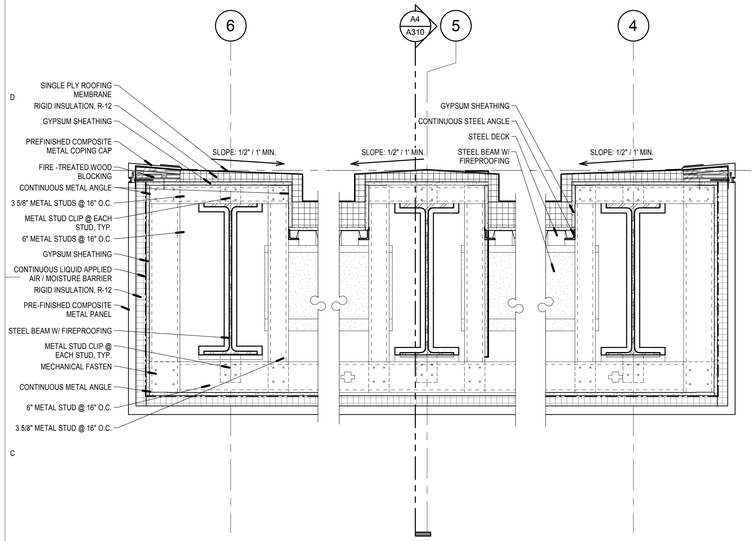
SCALE: 1 1/2" = 1'-0"



D5 LEVEL 04 BROW DETAIL

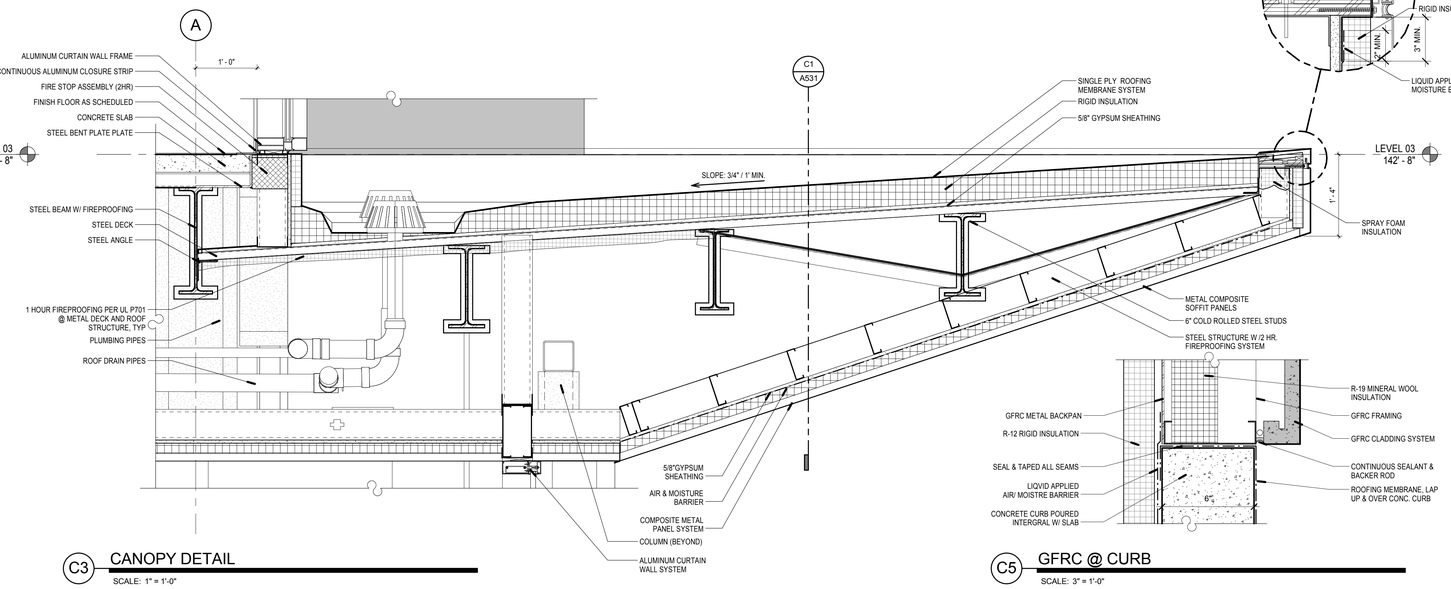
SCALE: 1" = 1'-0"





C1 CANOPY DETAIL 2

SCALE: 1" = 1'-0"

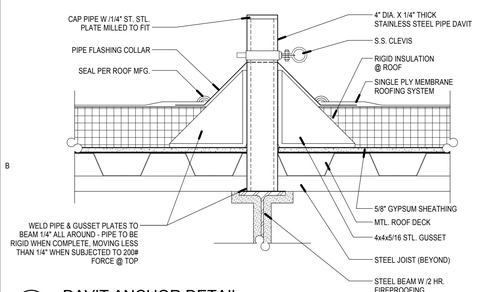


C3 CANOPY DETAIL

SCALE: 1" = 1'-0"

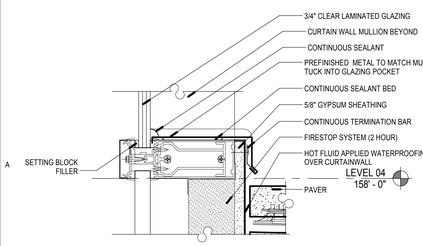
C5 GFRC @ CURB

SCALE: 3" = 1'-0"



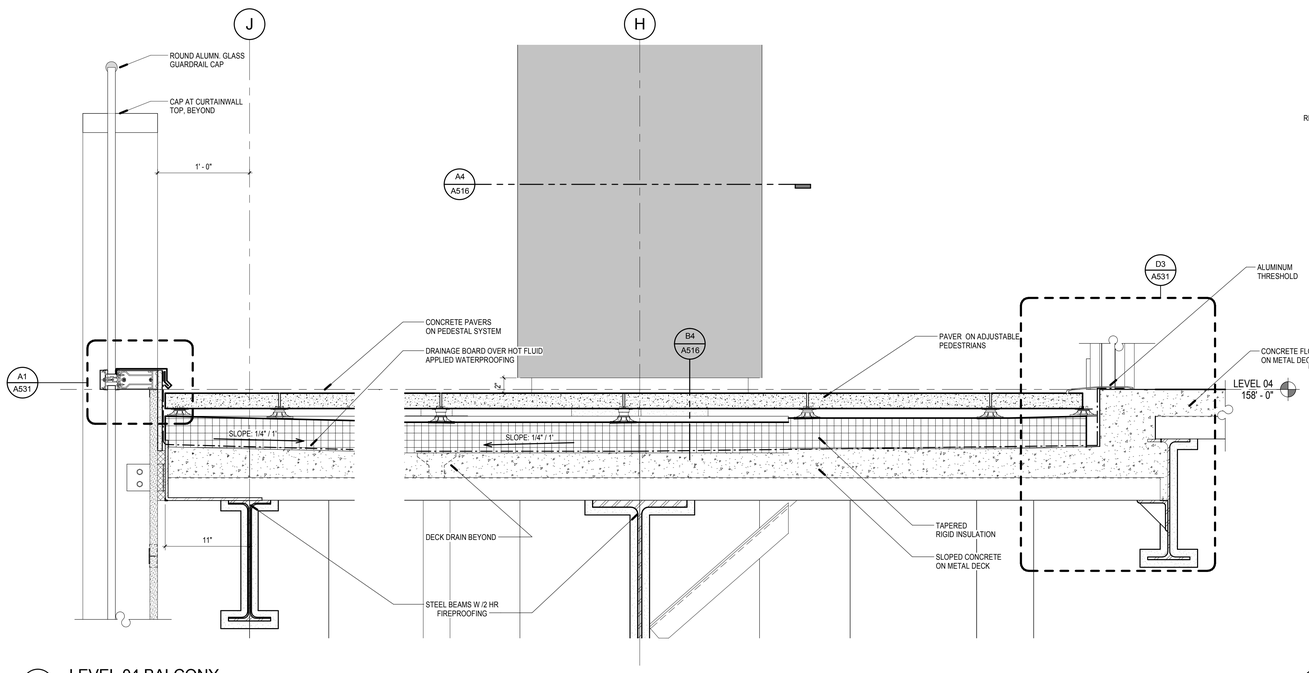
B1 DAVIT ANCHOR DETAIL

SCALE: 1 1/2" = 1'-0"



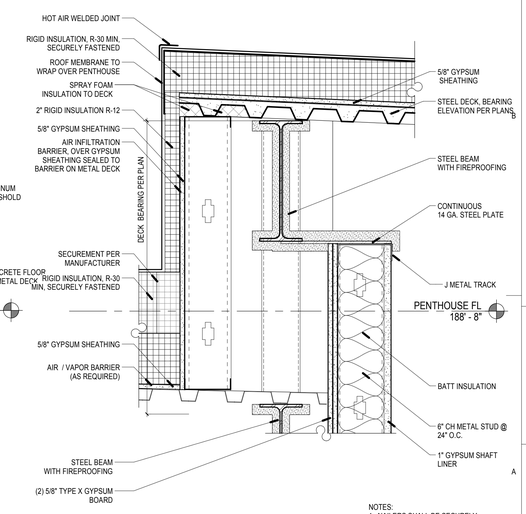
A1 MULLION FLASHING

SCALE: 3" = 1'-0"



A2 LEVEL 04 BALCONY

SCALE: 1 1/2" = 1'-0"



NOTES:
1. NAILERS SHALL BE SECURELY ANCHORED TO THE DECK TO RESIST A MINIMUM FORCE OF 300 POUNDS PER LINEAR FOOT. REFER TO FACTORY MUTUAL DATA SHEET 1-49.
2. VAPOR BARRIER SHALL BE SEALED AT EDGES.

A5 ROOF STEP DETAIL

SCALE: 1 1/2" = 1'-0"

12/6/2010 4:19:02 PM

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #06297640

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

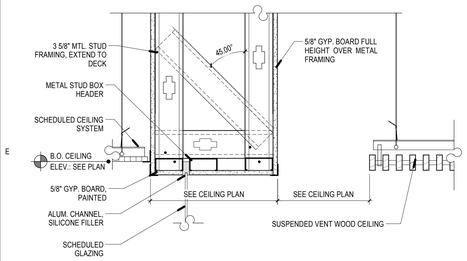
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ROOF DETAILS

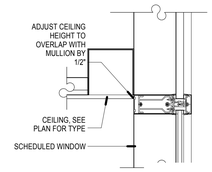
A531

Sheet Number



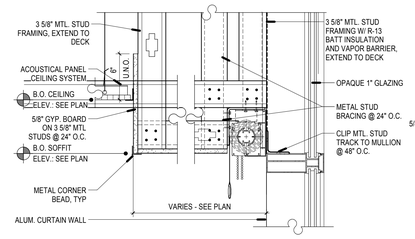
E1 SOFFIT OVER COUNTER DETAIL

SCALE: 1 1/2" = 1'-0"



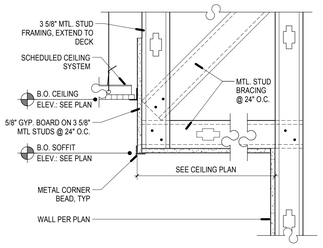
E2 INTERIOR CURTAIN WALL @ CEILING

SCALE: 1 1/2" = 1'-0"



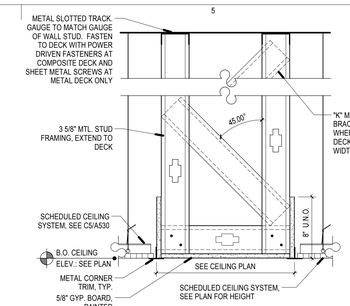
E3 TYPICAL SOFFIT/ CURTAIN WALL DETAIL

SCALE: 1 1/2" = 1'-0"



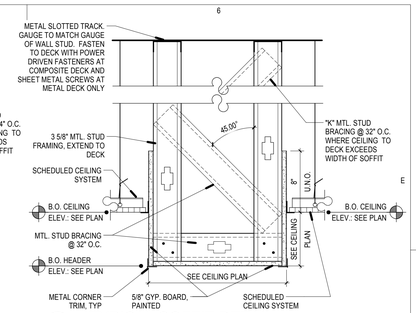
E4 TYPICAL SOFFIT DETAIL AT WALL

SCALE: 1 1/2" = 1'-0"



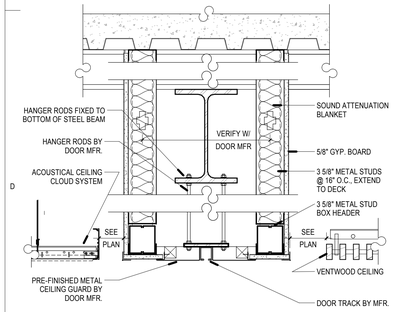
E5 FRAMED FLUSH SOFFIT, TYP.

SCALE: 1 1/2" = 1'-0"



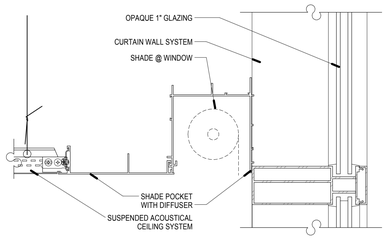
E6 TYPICAL SOFFIT DETAIL

SCALE: 1 1/2" = 1'-0"



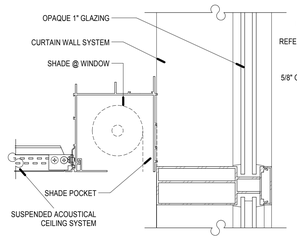
D1 FOLDING PARTITION DOOR HEAD

SCALE: 1 1/2" = 1'-0"



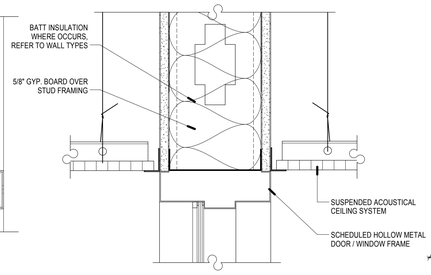
D2 SHADE POCKET AT CEILING

SCALE: 3" = 1'-0"



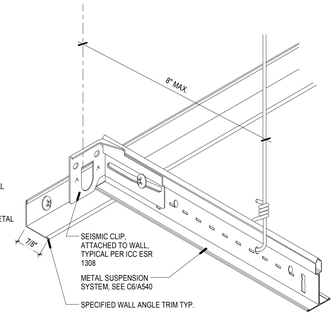
D3 SHADE POCKET AT CEILING 2

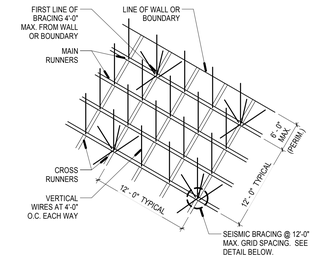
SCALE: 3" = 1'-0"

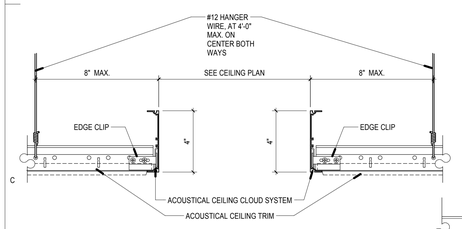


D4 CEILING AT H.M. FRAME

SCALE: 3" = 1'-0"

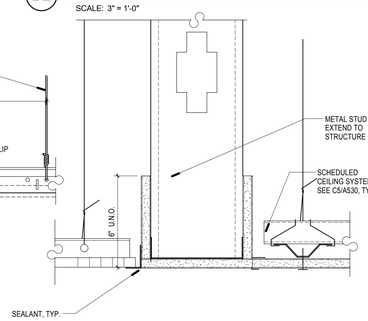






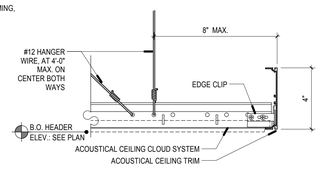
C1 ACOUSTICAL CEILING CLOUD

SCALE: 3" = 1'-0"



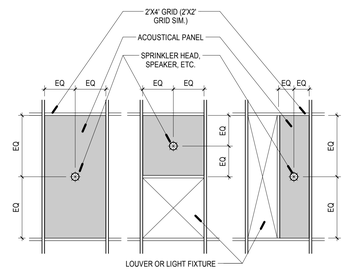
C2 BATHROOM ENTRY DETAIL

SCALE: 3" = 1'-0"



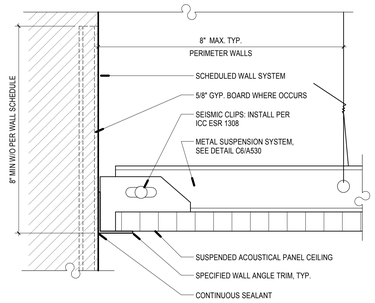
C3 TYPICAL CLOUD DETAIL

SCALE: 3" = 1'-0"



C4 TYP. CEILING TILE PENETRATION

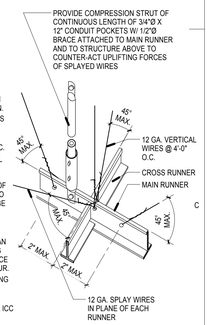
SCALE: 1/2" = 1'-0"



C5 TYP. SUSPENDED CEILING DETAIL

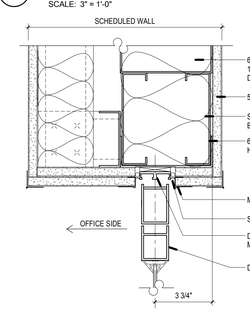
SCALE: 6" = 1'-0"

NOTES:
1. ALL SPLAY WIRES TO BE IN LINE WITH ATTACHED COMPONENT
2. ALL SPLAY WIRES TO BE TAUT AND TIED BOTH ENDS WITH MINIMUM OF 3 TURNS IN 1" OF RUN.
3. AREAS SMALLER THAN 144 SQ. FT. WITH WALLS ON 4 SIDES EXTENDING TO STRUCTURE NEED NOT BE BRACED.
4. COMPRESSIVE STRUTS REQUIRED @ 12'-0" O.C.
5. ALL CEILING MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO THE SUSPENDED CEILING GRID. IN ADDITION 12 GA. HANGER WIRES SHALL BE ATTACHED TO THE GRID WITHIN 3" OF EACH CORNER OF THE LIGHT HOUSING AND TO THE STRUCTURE ABOVE (THESE WIRES MAY BE SLACK.)
6. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT NOR SHALL THEY BE CLOSER THAN 6" FROM ANY UN-BRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZE OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.
7. PROVIDE 7/8" WIDE PERIMETER WALL MOULDING AT ALL WALLS.
8. ALL SUSPENDED CEILING TO MEET THE REQUIREMENTS OF THE IBC SECTION 2506.1 & ICC REPORT ESR-1308



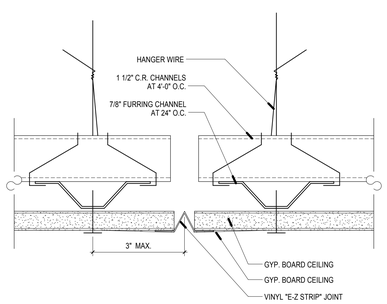
C6 CLG. SUSPENSION & SEISMIC BRACING

SCALE: 6" = 1'-0"



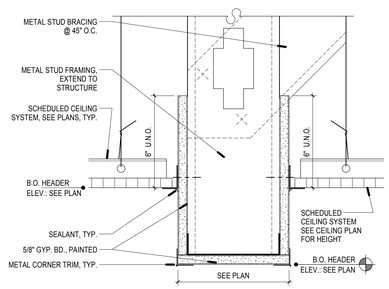
B1 RECESSED HEAD @ ALUM. SLIDING GLASS DOORS

SCALE: 3" = 1'-0"



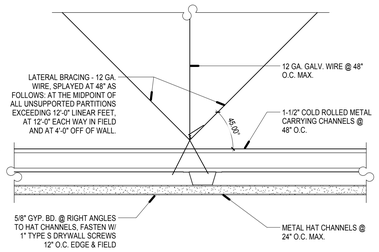
B2 GYP. BOARD EXPANSION DETAIL

SCALE: 6" = 1'-0"



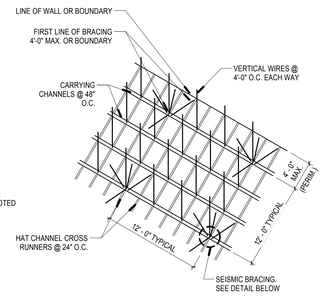
B3 TYP. METAL STUD HEADER

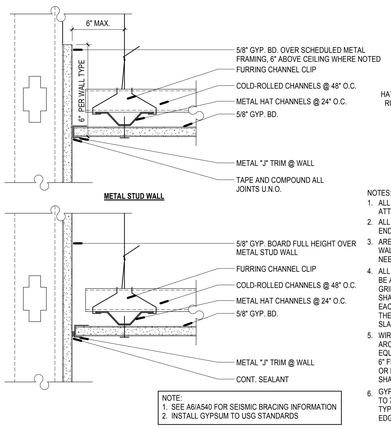
SCALE: 3" = 1'-0"



B4 TYP. SUSPENDED GYP. CEILING DETAIL

SCALE: 3" = 1'-0"



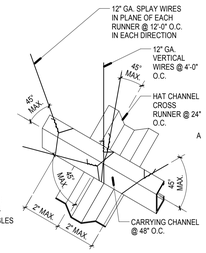


NOTE:
1. SEE A6/A540 FOR SEISMIC BRACING INFORMATION
2. INSTALL GYPSUM TO USG STANDARDS

A5 SLIP JOINT DETAILS

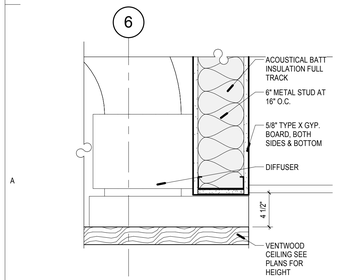
SCALE: 3" = 1'-0"

NOTES:
1. ALL SPLAY WIRES TO BE IN LINE WITH ATTACHED COMPONENT
2. ALL SPLAY WIRES TO BE TAUT AND TIED BOTH ENDS WITH MINIMUM OF 3 TURNS IN 1" OF RUN.
3. AREAS SMALLER THAN 1,000 SQ. FT. WITH WALLS ON 4 SIDES EXTENDING TO STRUCTURE NEED NOT BE BRACED.
4. ALL CEILING MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO THE SUSPENDED CEILING GRID. IN ADDITION 12 GA. HANGER WIRES SHALL BE ATTACHED TO THE GRID WITHIN 3" OF EACH CORNER OF THE LIGHT HOUSING AND TO THE STRUCTURE ABOVE (THESE WIRES MAY BE SLACK.)
5. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT NOR SHALL THEY BE CLOSER THAN 6" FROM ANY UN-BRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZE OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.
6. GYPSUM BOARD TO BE INSTALLED @ RIGHT ANGLES TO 7/8" HAT CHANNEL RUNNERS. FASTEN W/ 1" TYPE 'S' DRYWALL SCREWS @ 12" O.C. TYP. @ EDGES AND IN FIELD AS PER USG STANDARDS.



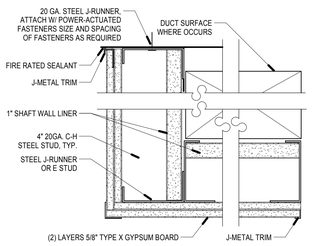
A6 TYP. SUSPENDED GYP. BRACING DET.

SCALE: 6" = 1'-0"



A1 HEADER @ MECHANICAL SLOT EXHAUST

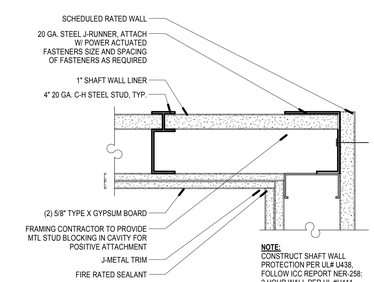
SCALE: 1 1/2" = 1'-0"



NOTE:
CONSTRUCT 2 HOUR SHAFT WALL PROTECTION PER UL# U438, FOLLOW ICC REPORT NER-258

A2 SHAFT WALL SOFFFIT DETAIL

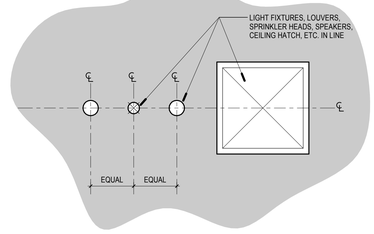
SCALE: 3" = 1'-0"



NOTE:
CONSTRUCT SHAFT WALL PROTECTION PER UL# U438, FOLLOW ICC REPORT NER-258; 2 HOUR WALL PER UL #U411

A3 HORIZONTAL SHAFT WALL DETAIL

SCALE: 3" = 1'-0"



NOTE: ALL FIXTURES TO BE IN LINE AND CENTERED IN FIELD U.N.O.

A4 TYP. FIXTURE IN GYP. BD. CEILING

SCALE: 3/4" = 1'-0"

12/6/2010 4:19:17 PM

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #62297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

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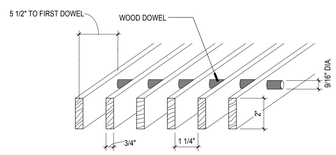
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

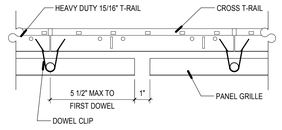
CEILING DETAILS

A540

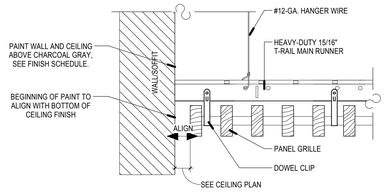
Sheet Number



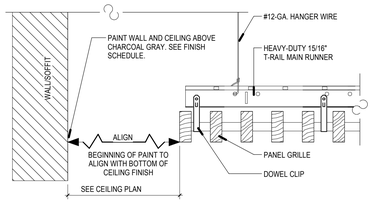
E1 VENTWOOD PROFILE
SCALE: N.T.S.



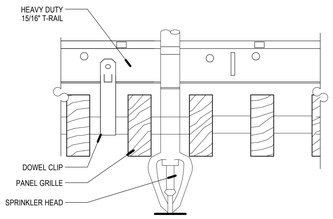
E2 GAP BETWEEN VENTWOOD PANELS
SCALE: 3" = 1'-0"



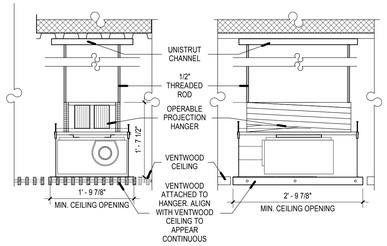
E3 VENTWOOD PANEL TO WALL
SCALE: 3" = 1'-0"



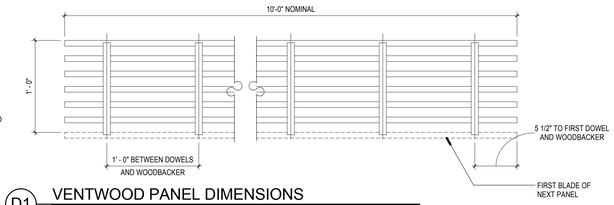
E4 VENTWOOD PANEL GAP FROM WALL
SCALE: 3" = 1'-0"



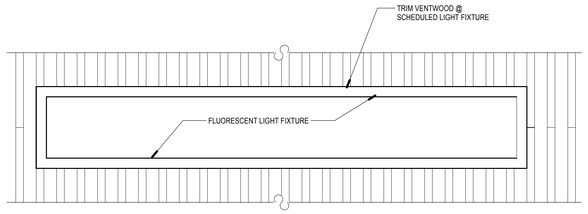
E5 PANEL GRILLE SPRINKLER DETAIL
SCALE: 6" = 1'-0"



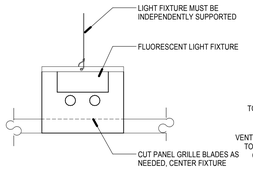
E6 RECESSED PROJECTOR DETAIL
SCALE: 3/4" = 1'-0"



D1 VENTWOOD PANEL DIMENSIONS
SCALE: 1 1/2" = 1'-0"

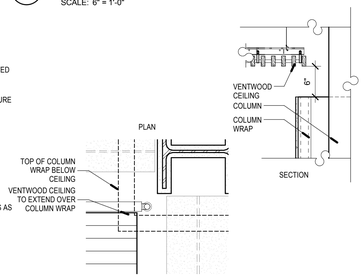


PLAN VIEW

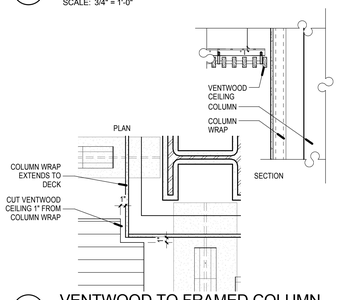


SECTION

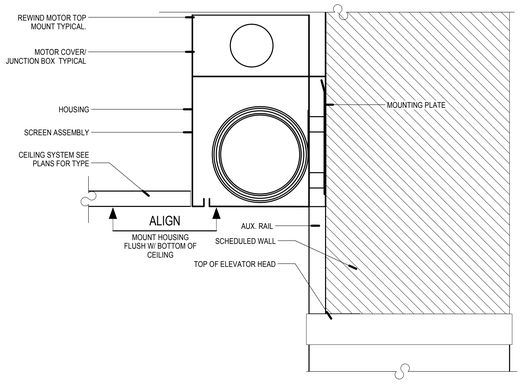
D3 LIGHT FIXTURE VENTWOOD PANEL
SCALE: 2" = 1-0"



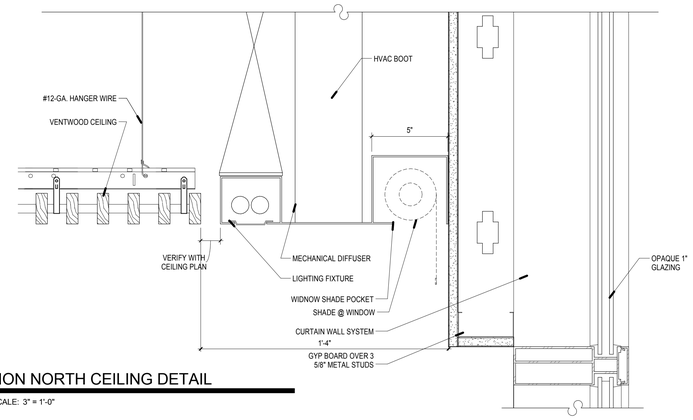
D5 VENTWOOD TO EXPOSED COLUMN
SCALE: 1" = 1'-0"



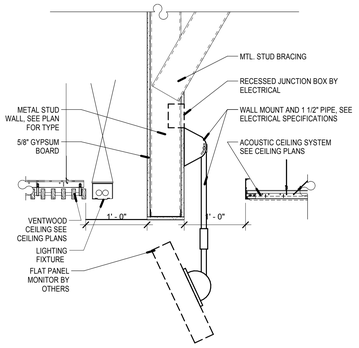
D6 VENTWOOD TO FRAMED COLUMN
SCALE: 1" = 1'-0"



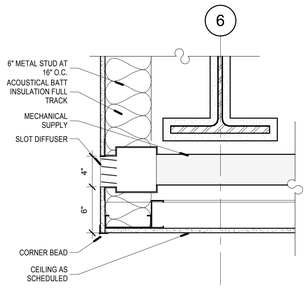
C2 FIRE CURTAIN AT ELEVATOR
SCALE: 3" = 1'-0"



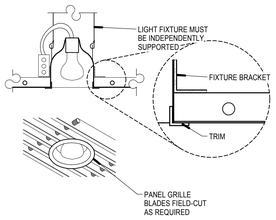
C4 ZION NORTH CEILING DETAIL
SCALE: 3" = 1'-0"



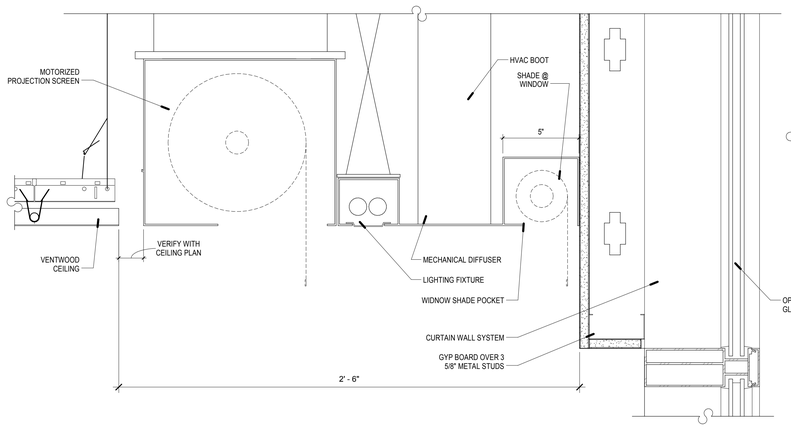
C6 LCD SUPPORT DETAIL
SCALE: 1" = 1'-0"



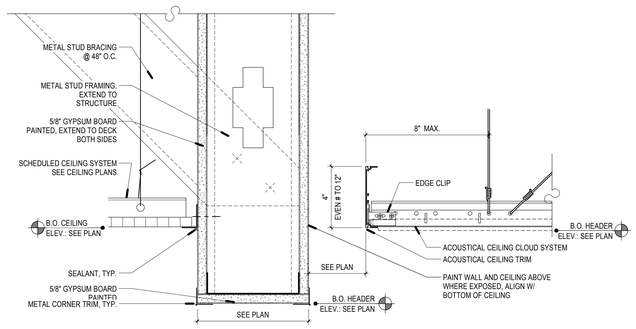
B1 SLOT DIFFUSER
SCALE: 1 1/2" = 1'-0"



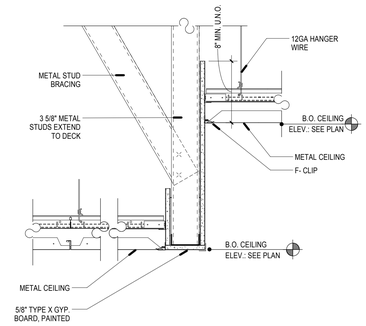
B2 CAN LIGHT IN VENTWOOD
SCALE: 1 1/2" = 1'-0"



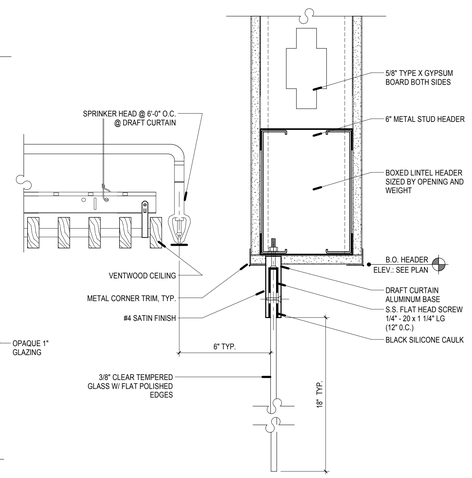
A4 ZION EAST CEILING DETAIL
SCALE: 3" = 1'-0"



A1 ACOUSTICAL CEILING AT HEADER DETAIL
SCALE: 3" = 1'-0"



A2 CHANGE IN METAL CEILING HEIGHT
SCALE: 1 1/2" = 1'-0"



A6 DRAFT CURTAIN DETAIL
SCALE: 3" = 1'-0"

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

VCBO ARCHITECTURE
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www: www.vcbo.com

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

CEILING DETAILS

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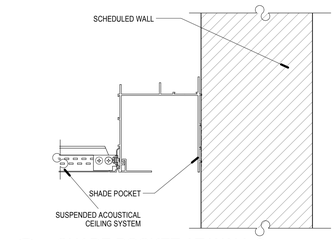
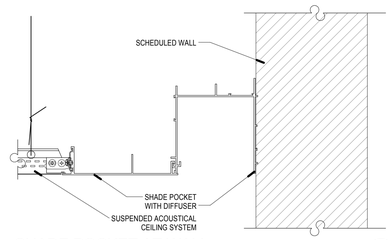


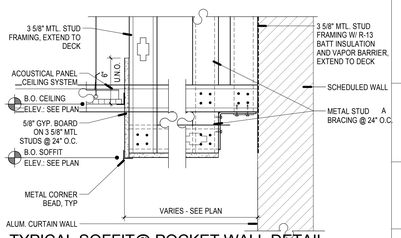
A4 SHADE POCKET AT WALL 2

SCALE: 3" = 1'-0"



A5 SHADE POCKET AT WALL

SCALE: 3" = 1'-0"



A6 TYPICAL SOFFIT@ POCKET WALL DETAIL

SCALE: 1 1/2" = 1'-0"

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #06297640

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

CEILING DETAILS

A542

Sheet Number

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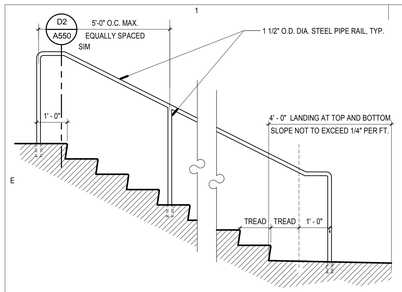
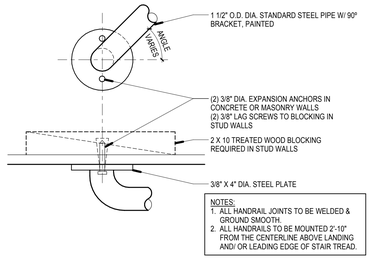


NOTES:
1. FOR USE ON SITE AND IN ELECTRICAL AND MECHANICAL ROOMS
2. ALL PIPE MATERIAL SHALL BE SCHEDULE 40 PIPE
3. GALVANIZED STEEL TO BE USED AT EXTERIOR AND AS NOTED ELSE WHERE
4. GRIND ALL WELDS SMOOTH

E1 TYPICAL STAIR RAIL ELEVATION 2

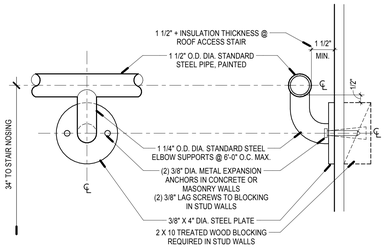
SCALE: 1/2" = 1'-0"



NOTES:
1. ALL HANDRAIL JOINTS TO BE WELDED & GROUND SMOOTH.
2. ALL HANDRAILS TO BE MOUNTED 2'-10" FROM THE CENTERLINE ABOVE LANDING AND/ OR LEADING EDGE OF STAIR TREAD.

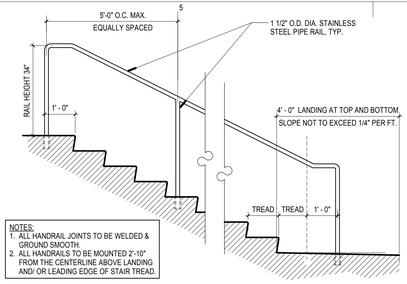
E3 STANDARD HANDRAIL TERMINATION

SCALE: 3" = 1'-0"



E4 STANDARD MID-RAIL DETAIL

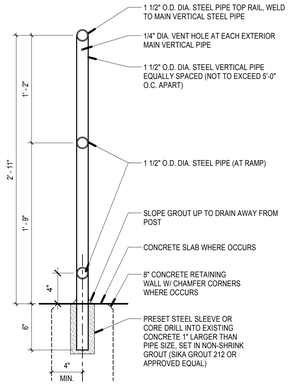
SCALE: 3" = 1'-0"



NOTES:
1. ALL HANDRAIL JOINTS TO BE WELDED & GROUND SMOOTH.
2. ALL HANDRAILS TO BE MOUNTED 2'-10" FROM THE CENTERLINE ABOVE LANDING AND/ OR LEADING EDGE OF STAIR TREAD.

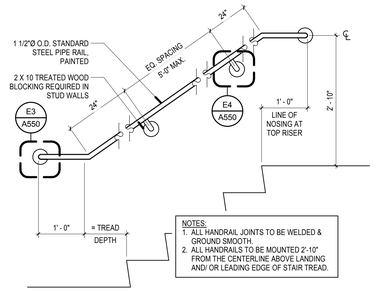
E5 TYPICAL STAINLESS STEEL STAIR RAIL ELEVATION

SCALE: 1/2" = 1'-0"



D2 HANDRAIL SECTION HORIZONTAL

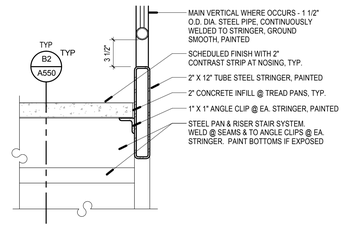
SCALE: 1 1/2" = 1'-0"



NOTES:
1. ALL HANDRAIL JOINTS TO BE WELDED & GROUND SMOOTH.
2. ALL HANDRAILS TO BE MOUNTED 2'-10" FROM THE CENTERLINE ABOVE LANDING AND/ OR LEADING EDGE OF STAIR TREAD.

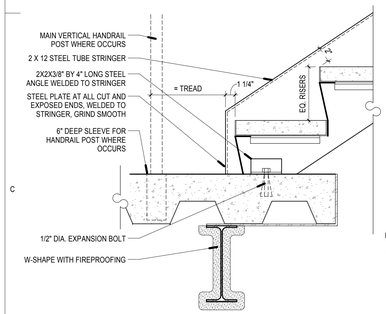
D3 TYPICAL HANDRAIL ELEVATION

SCALE: 3/4" = 1'-0"



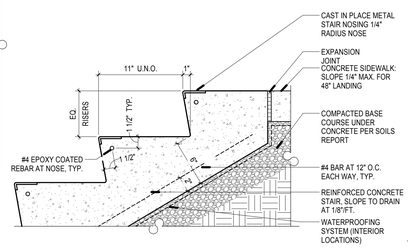
D4 TYPICAL STRINGER DETAIL

SCALE: 1 1/2" = 1'-0"



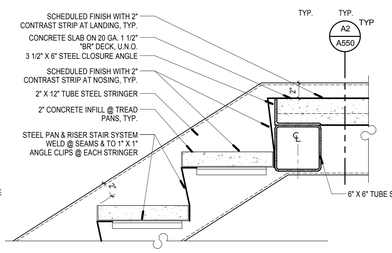
C1 TYPICAL STAIR @ BASE

SCALE: 1 1/2" = 1'-0"



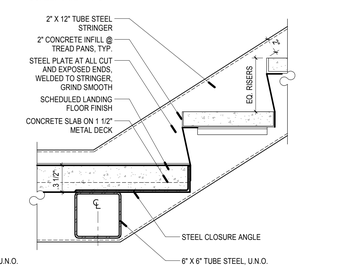
C2 CONCRETE STAIR DETAIL

SCALE: 1 1/2" = 1'-0"



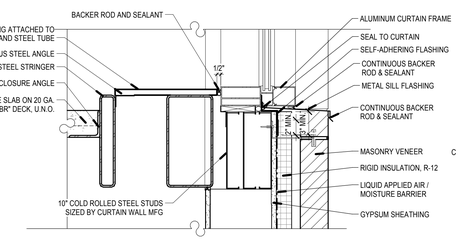
C3 TYPICAL STAIR LANDING

SCALE: 1 1/2" = 1'-0"



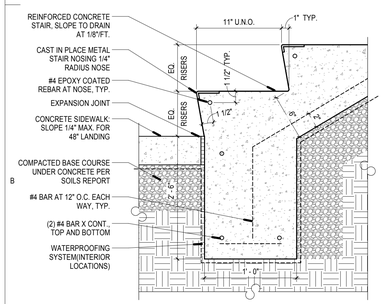
C4 TYPICAL STAIR LANDING

SCALE: 1 1/2" = 1'-0"



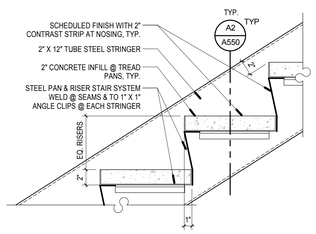
C6 SW STAIR LANDING AT CURTAINWALL BASE

SCALE: 1 1/2" = 1'-0"



B1 CONCRETE STAIR DETAIL @ BASE

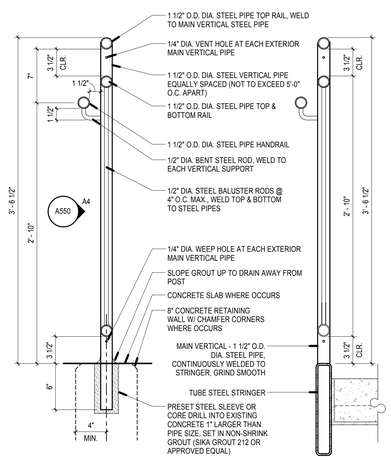
SCALE: 1 1/2" = 1'-0"



B2 TYPICAL STAIR TREAD

SCALE: 1 1/2" = 1'-0"

NOTES:
1. ALL PIPE MATERIAL SHALL BE SCHEDULE 40 PIPE
2. GALVANIZED STEEL TO BE USED AT EXTERIOR AND AS NOTED ELSE WHERE
3. GRIND ALL WELDS SMOOTH

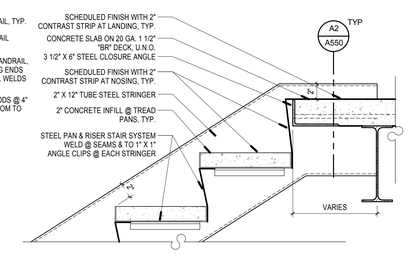


A3 GUARDRAIL SECTION- VERTICAL

SCALE: 1 1/2" = 1'-0"

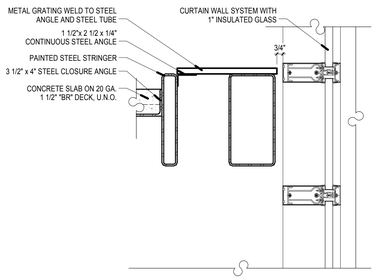
B4 TYPICAL STAIR RAIL ELEVATION

SCALE: 1/2" = 1'-0"



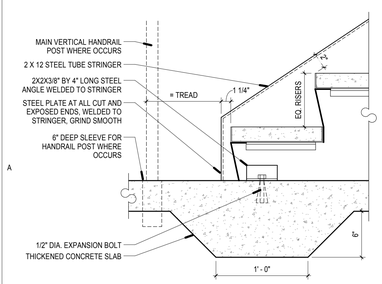
B5 TYPICAL STAIR @ TOP

SCALE: 1 1/2" = 1'-0"



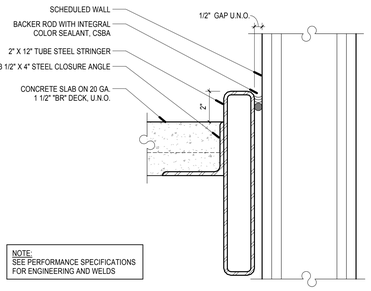
B6 SW STAIR LANDING AT CURTAINWALL

SCALE: 1 1/2" = 1'-0"



A1 TYPICAL STAIR @ BASE

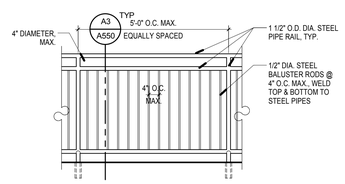
SCALE: 1 1/2" = 1'-0"



NOTE:
SEE PERFORMANCE SPECIFICATIONS FOR ENGINEERING AND WELDS

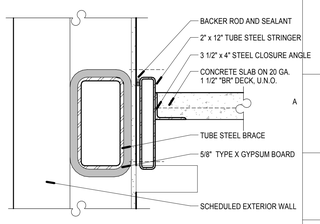
A2 LANDING DETAIL

SCALE: 3" = 1'-0"



A4 TYPICAL GUARDRAIL ELEVATION

SCALE: 1/2" = 1'-0"



A6 SW STAIR AT INTERMEDIATE LANDING

SCALE: 1 1/2" = 1'-0"

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #062976 40
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

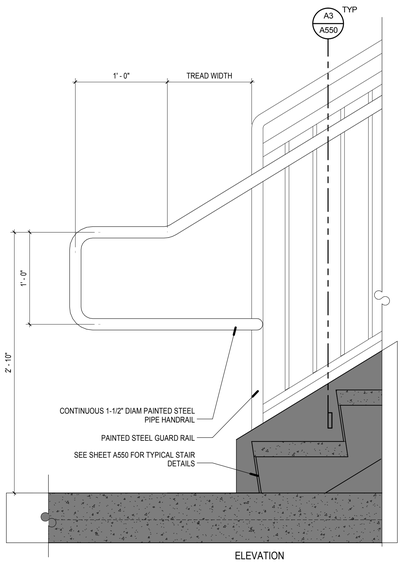
No.	Description	Date

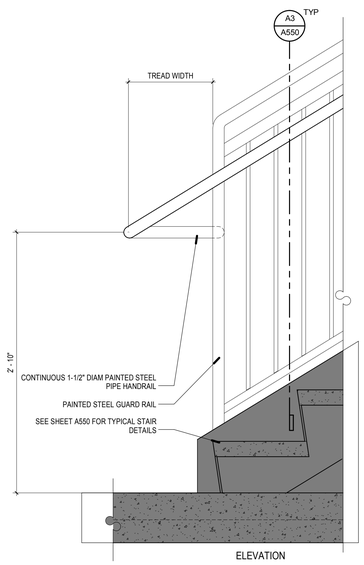
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

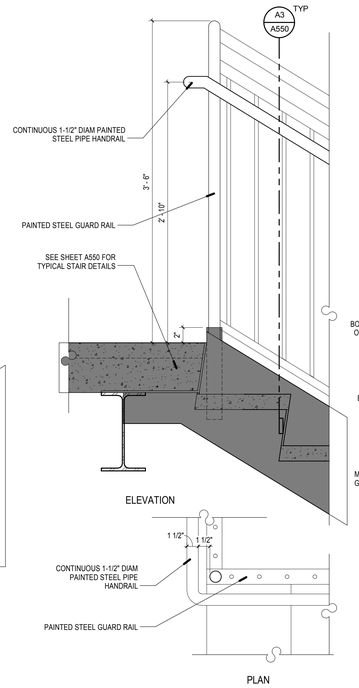
STANDARD VERTICAL CIRCULATION DETAILS

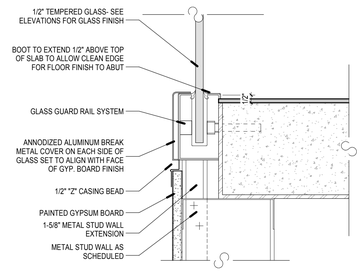
A550

Sheet Number



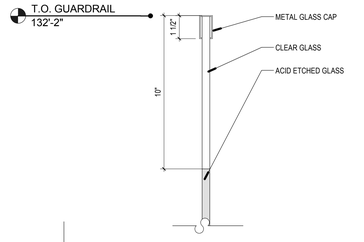






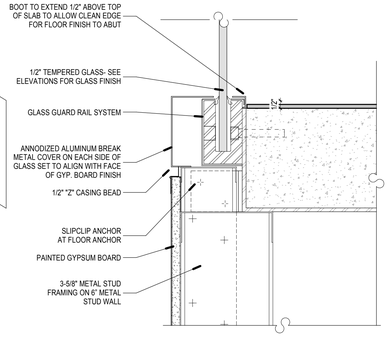
D5 GLASS GUARDRAIL- BASE

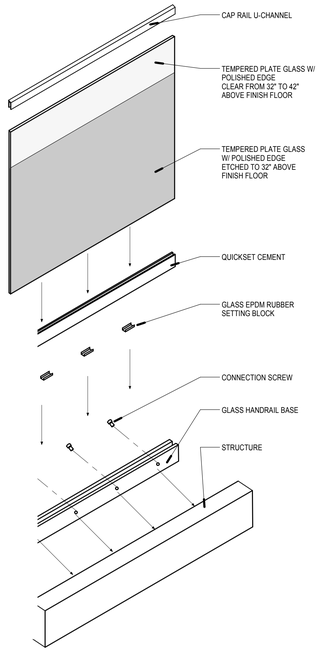
SCALE: 3" = 1'-0"



E6 GLASS GUARDRAIL- CAP

SCALE: 3" = 1'-0"





C2 STAIR RAILING ADAAG EXTENSION

SCALE: 1 1/2" = 1'-0"

C3 STAIR RAILING TURN TERMINATION

SCALE: 1 1/2" = 1'-0"

C4 STAIR RAILING TOP OF STAIR

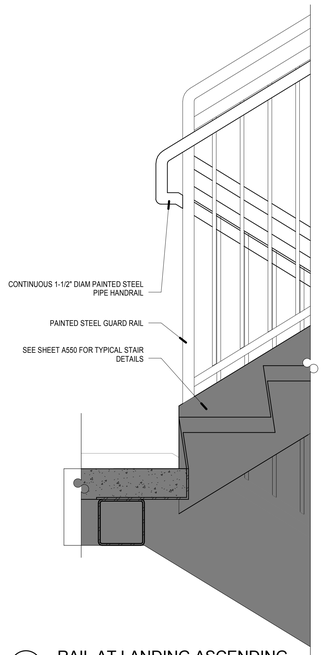
SCALE: 1 1/2" = 1'-0"

C5 GLASS GUARDRAIL- BASE

SCALE: 3" = 1'-0"

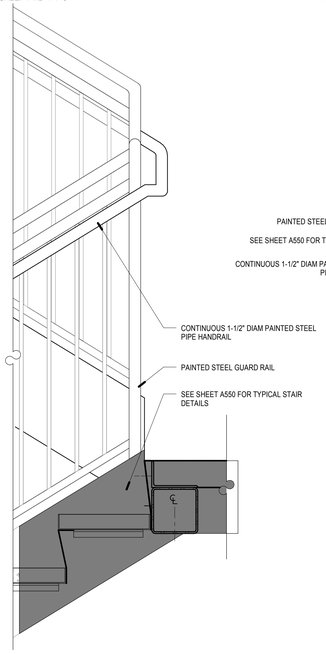
C6 GLASS GUARDRAIL- DIAGRAM

SCALE: 3/4" = 1'-0"



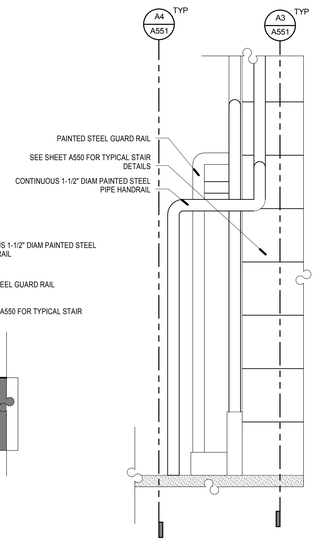
A3 RAIL AT LANDING ASCENDING

SCALE: 1 1/2" = 1'-0"



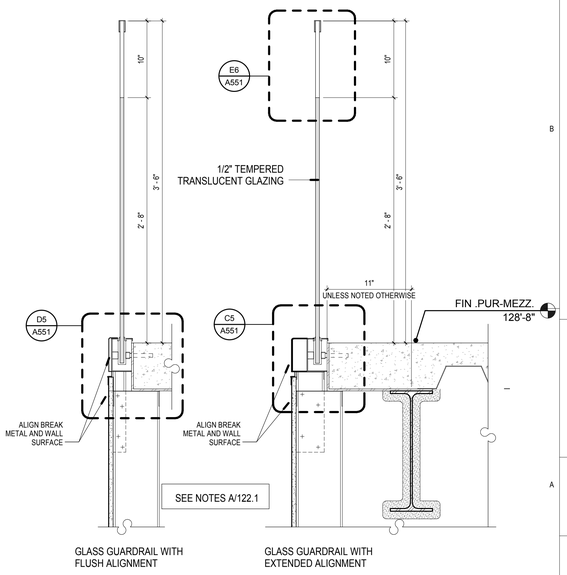
A4 RAIL AT LANDING DESCENDING

SCALE: 1 1/2" = 1'-0"



A5 RAILING AT LANDING

SCALE: 1 1/2" = 1'-0"



A6 GLASS GUARDRAIL- SLAB EDGE

SCALE: 1 1/2" = 1'-0"

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

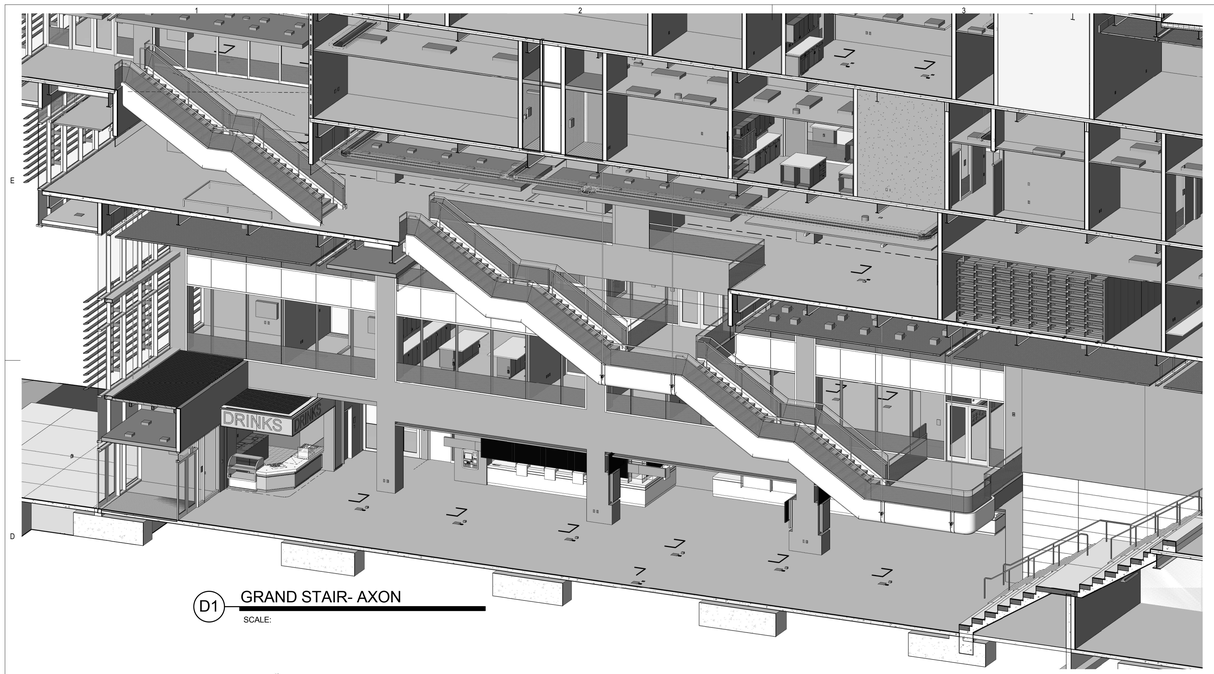
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

STAIR AND RAILING DETAILS

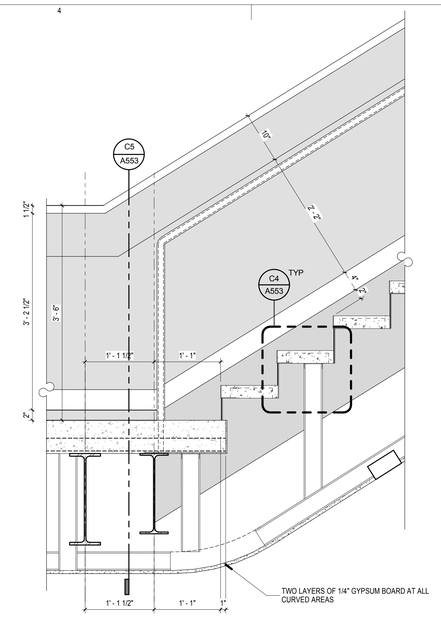
A551

Sheet Number

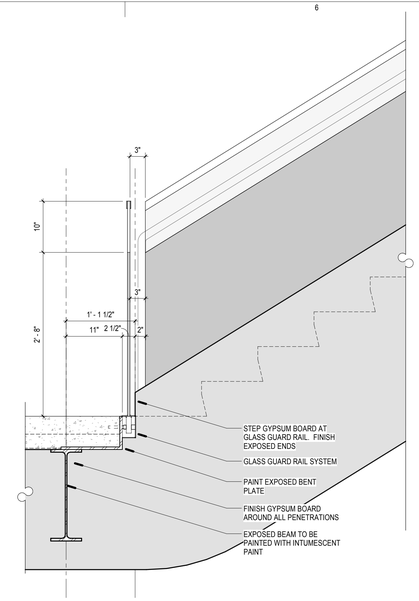
12/6/2010 4:19:59 PM



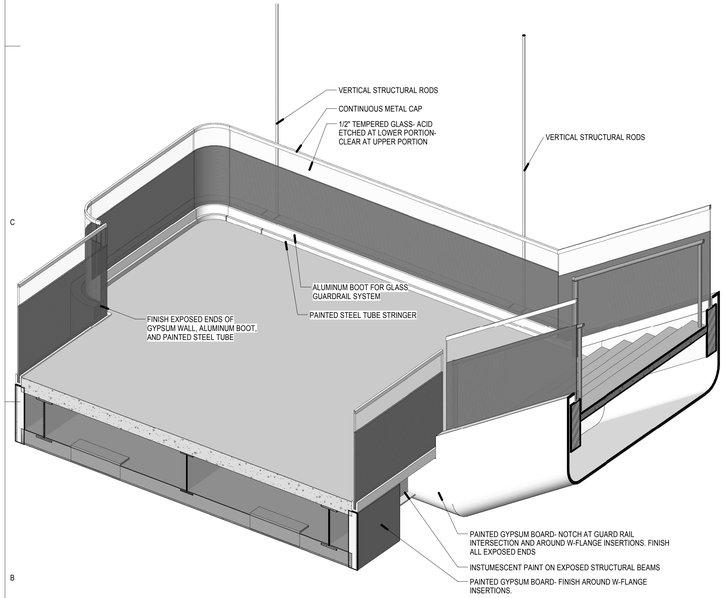
D1 GRAND STAIR- AXON
SCALE:



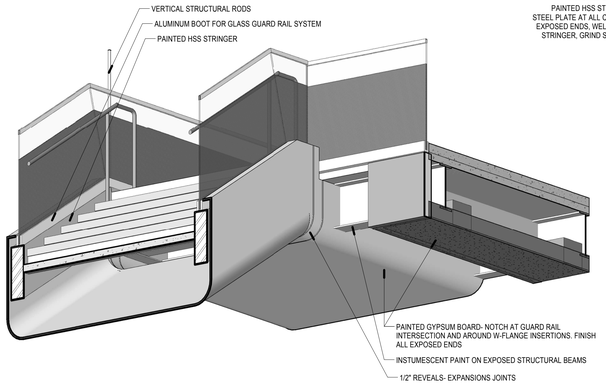
D4 GRAND STAIR-DESCENDING LANDING
SCALE: 1" = 1'-0"



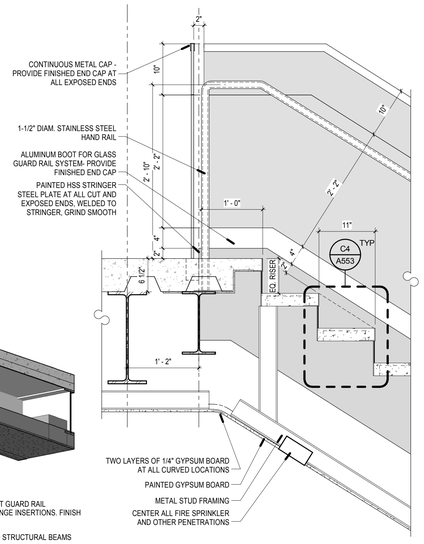
D5 GRAND STAIR-DESCENDING LANDING
SCALE: 1" = 1'-0"



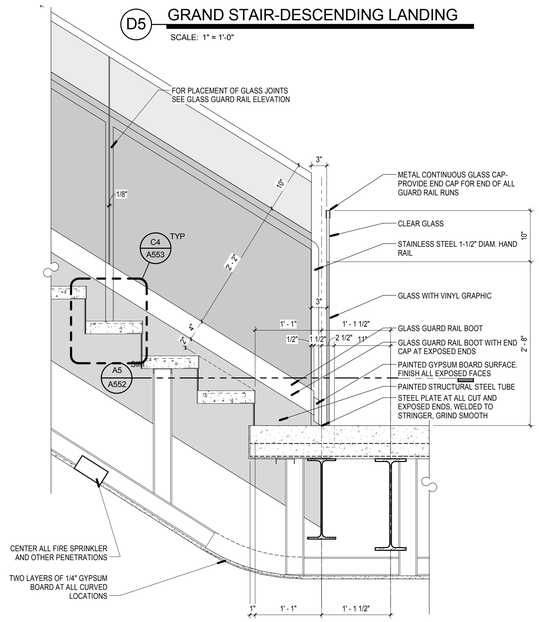
B1 GRAND STAIR AT LEVEL 02 LANDING
SCALE:



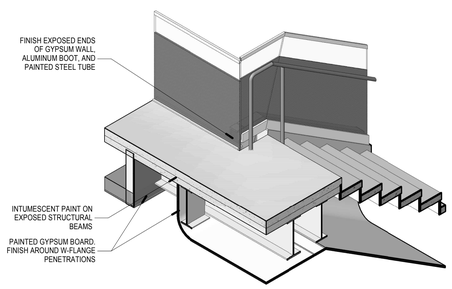
B3 GRAND STAIR AT LEVEL 02M LANDING
SCALE:



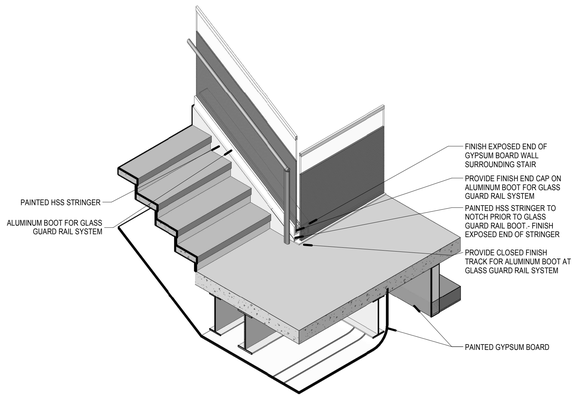
B4 GRAND STAIR- ASCENDING LANDING
SCALE: 1" = 1'-0"



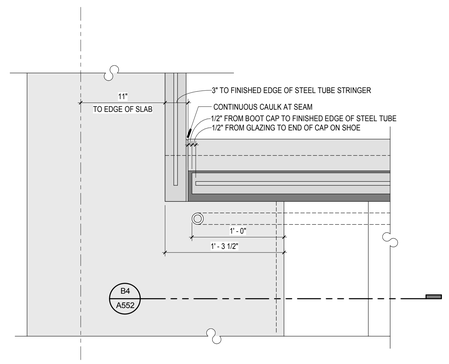
B5 GRAND STAIR-DESCENDING LANDING
SCALE: 1" = 1'-0"



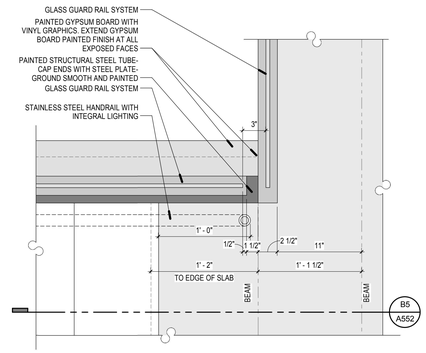
A1 GRAND STAIR ASCENDING LANDING
SCALE:



A3 GRAND STAIR DESCENDING LANDING
SCALE:



A4 GRAND STAIR-ASCENDING PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



A5 STAIR MAIN- DESCENDING PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #062976 40
DIXIE COLLEGE, ST. GEORGE, UT
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No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

GRAND STAIR DETAILS

A552
Sheet Number

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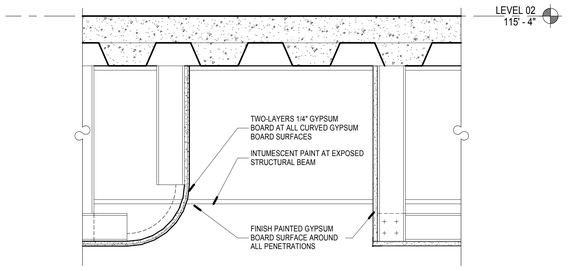
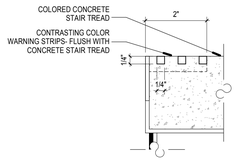


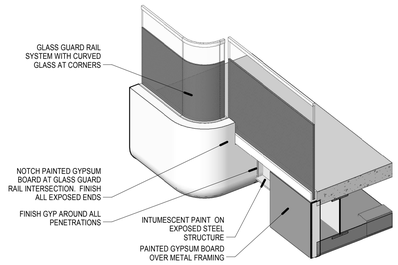
D3 GRAND STAIR- LANDING CONNECTION

SCALE: 1 1/2" = 1'-0"



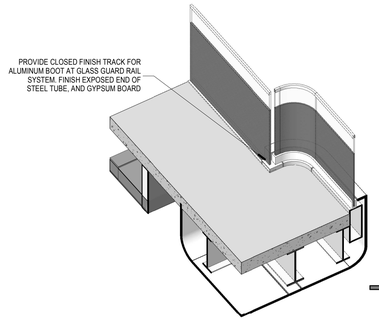
D4 TREAD WARNING STRIP

SCALE: 6" = 1'-0"



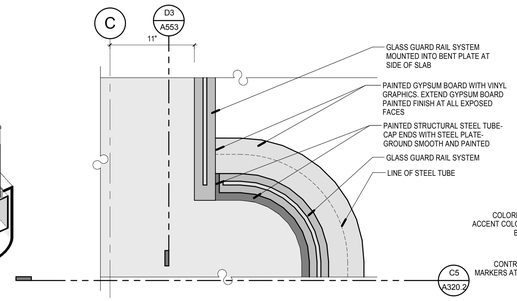
C1 GRAND STAIR-LANDING LEVEL 02

SCALE:



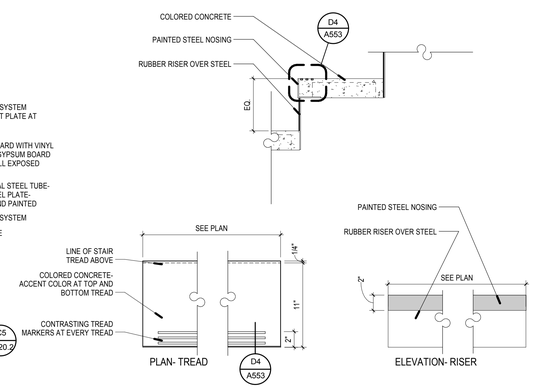
C2 GRAND STAIR-LANDING LEVEL 02

SCALE:



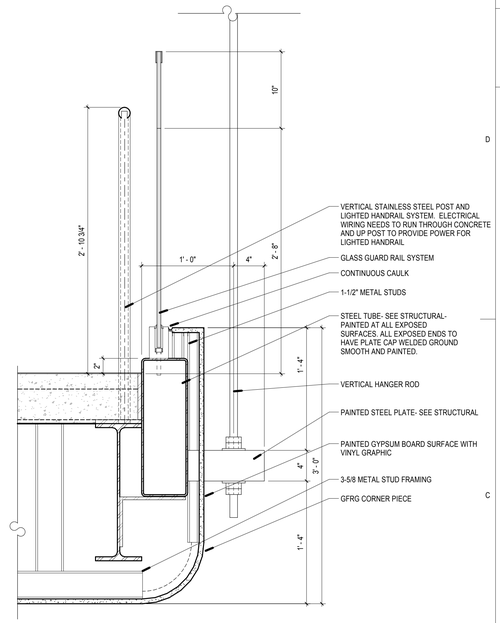
C3 GRAND STAIR LEVEL 02M CURVED GLASS

SCALE: 1 1/2" = 1'-0"



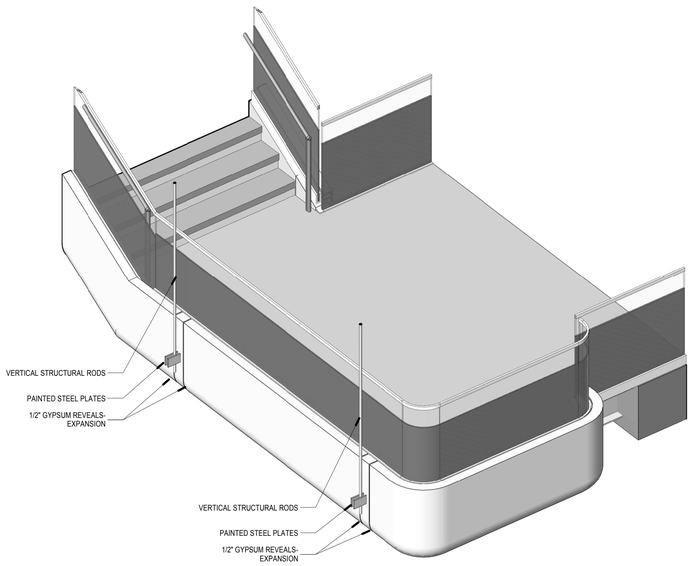
C4 STAIR MAIN- TREAD

SCALE: 1 1/2" = 1'-0"



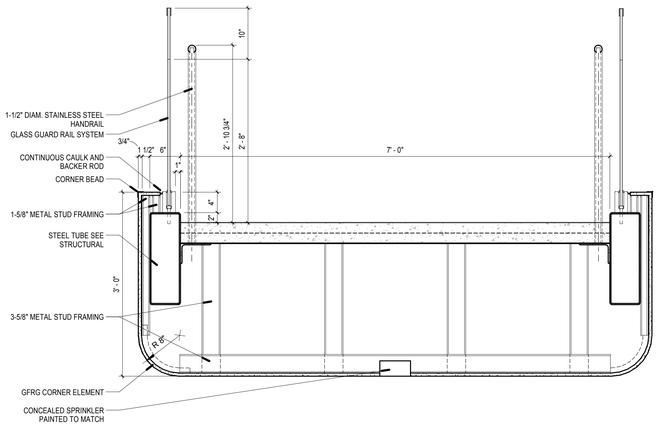
C5 GRAND STAIR- VERTICAL RODS

SCALE: 1 1/2" = 1'-0"



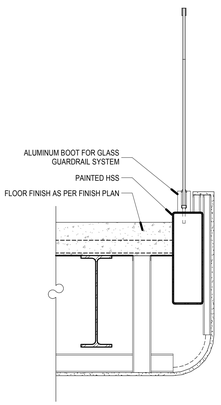
A1 GRAND STAIR AT LEVEL 02 LANDING VERTICAL ROD SUPPORTS

SCALE:



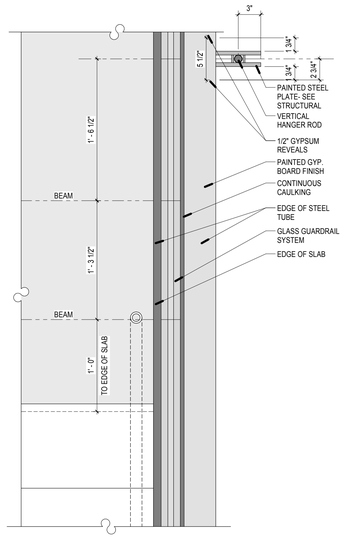
A3 GRAND STAIR- INTERMEDIATE LANDING

SCALE: 1" = 1'-0"



A4 GRAND STAIR- LEVEL 02 LANDING NORTH

SCALE: 1" = 1'-0"



A5 GRAND STAIR- DESCENDING PLAN DETAIL EAST

SCALE: 1 1/2" = 1'-0"

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DIXIE COLLEGE, ST. GEORGE, UT
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No.	Description	Date

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Date 12/03/2010
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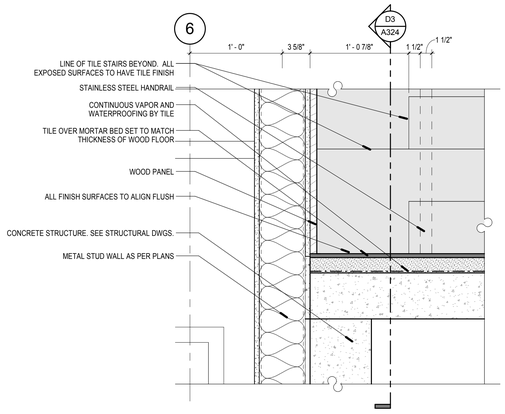
GRAND STAIR DETAILS

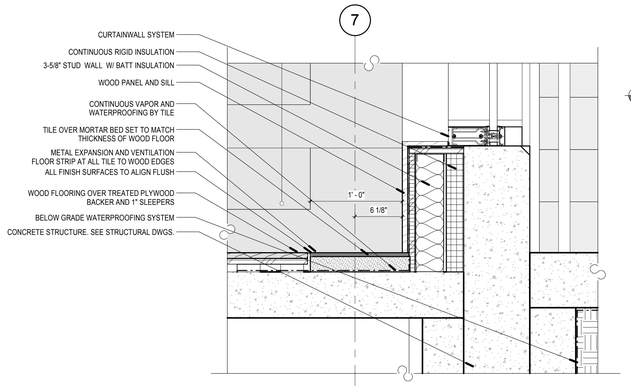
A553

Sheet Number



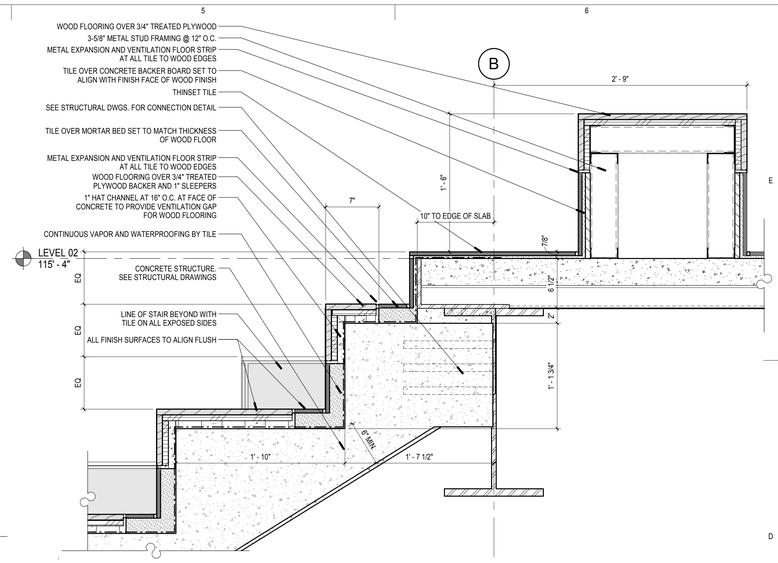
D3 AMPHITHEATER STAIR AT INNER WALL

SCALE: 1 1/2" = 1'-0"



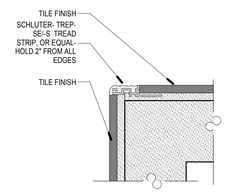
D4 AMPHITHEATER STAIR AT CURTAIN WALL

SCALE: 1 1/2" = 1'-0"



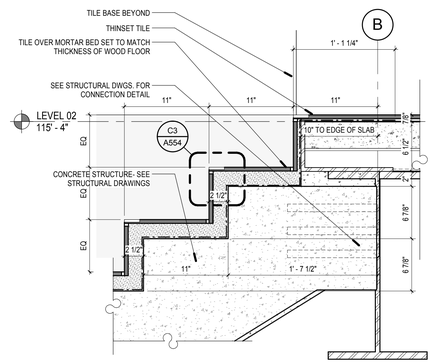
D5 AMPHITHEATER SEATING TOP

SCALE: 1 1/2" = 1'-0"



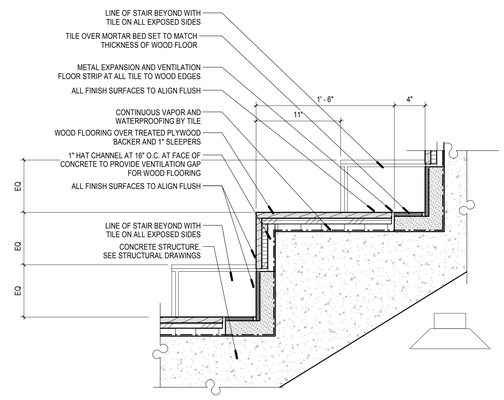
C3 STAIR NOSING- TILE STAIR

SCALE: 6" = 1'-0"



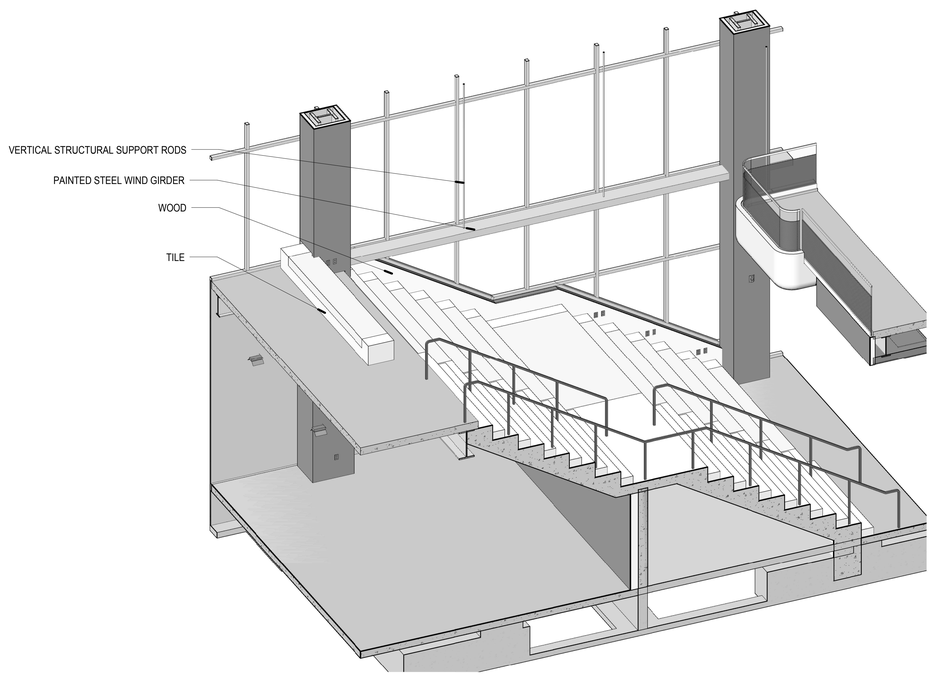
C4 AMPHITHEATER STAIR TOP

SCALE: 1 1/2" = 1'-0"



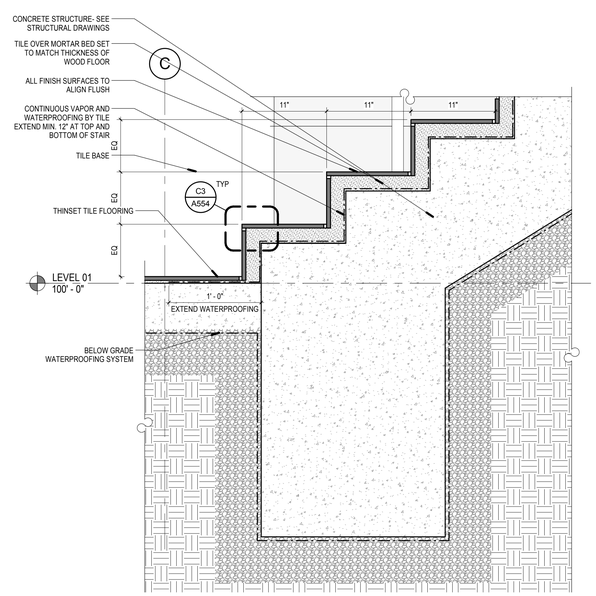
C5 AMPHITHEATER SEATING

SCALE: 1 1/2" = 1'-0"



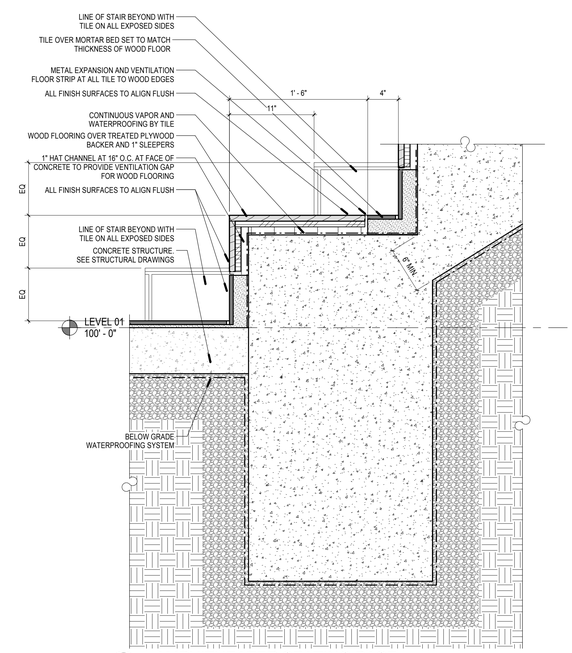
A2 AMPHITHEATER STAIR AXON 2

SCALE:



A4 AMPHITHEATER STAIR BASE

SCALE: 1 1/2" = 1'-0"



A5 AMPHITHEATER SEATING BASE

SCALE: 1 1/2" = 1'-0"

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DIXIE STATE COLLEGE OF UTAH

DFCM #0297640

DIXIE COLLEGE, ST. GEORGE, UT

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AMPHITHEATER STAIR DETAILS

A554

Sheet Number

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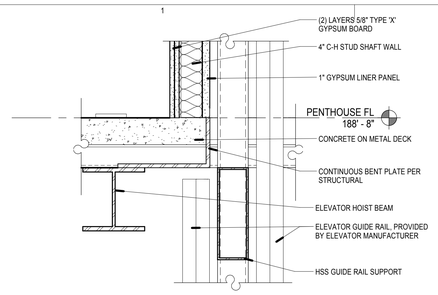
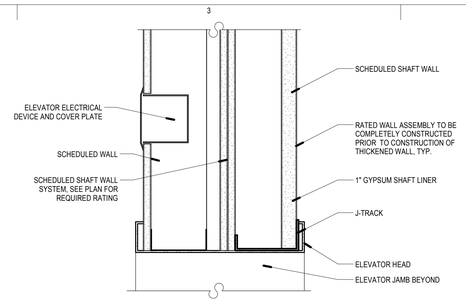


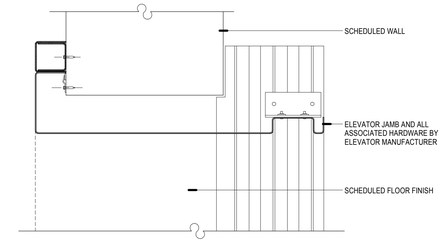
E1 ELEVATOR WALL AT ROOF LEVEL

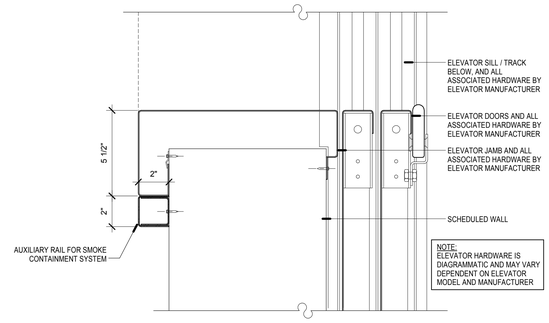
SCALE: 1 1/2" = 1'-0"



E3 ELEVATOR HEAD SHAFT DETAIL

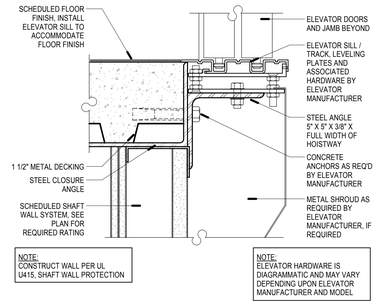
SCALE: 3" = 1'-0"





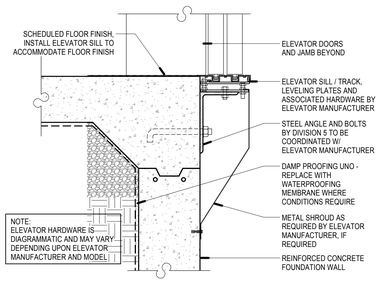
D5 ELEVATOR JAMB

3" = 1'-0"



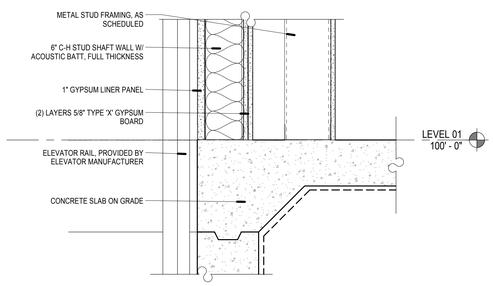
D1 ELEVATOR SILL @ SUSPENDED SLAB

SCALE: 3" = 1'-0"



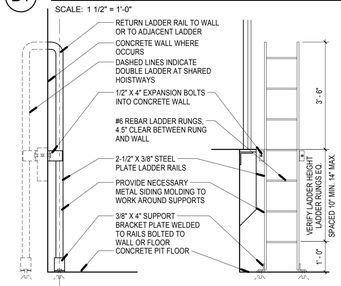
C1 ELEVATOR SILL @ SLAB ON GRADE

1 1/2" = 1'-0"



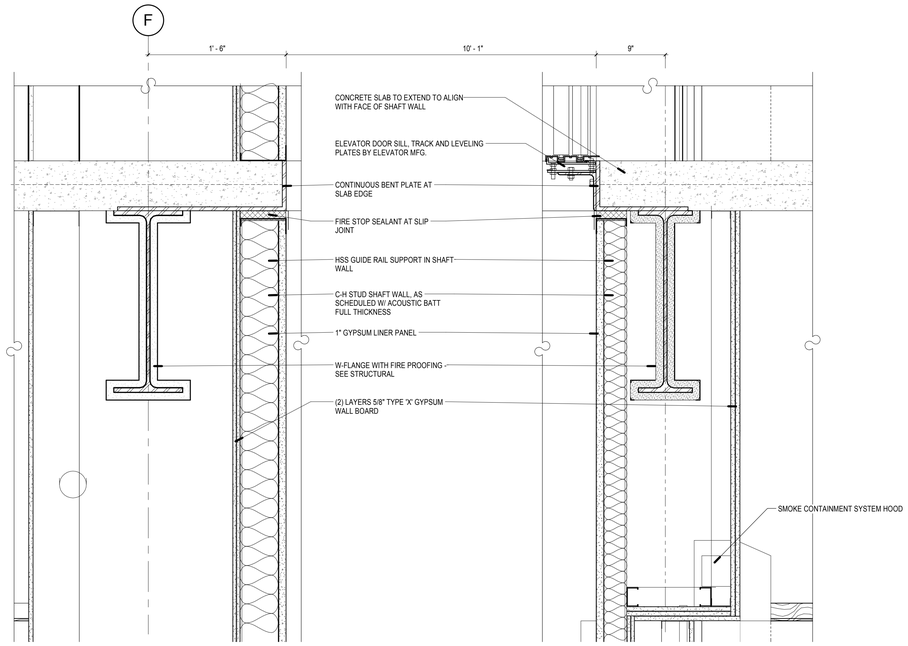
B1 ELEVATOR WALL AT SLAB ON GRADE

SCALE: 1 1/2" = 1'-0"



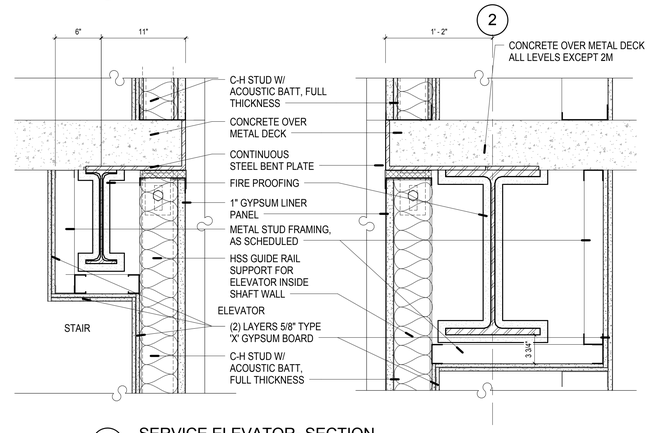
A1 PIT LADDER

1/2" = 1'-0"



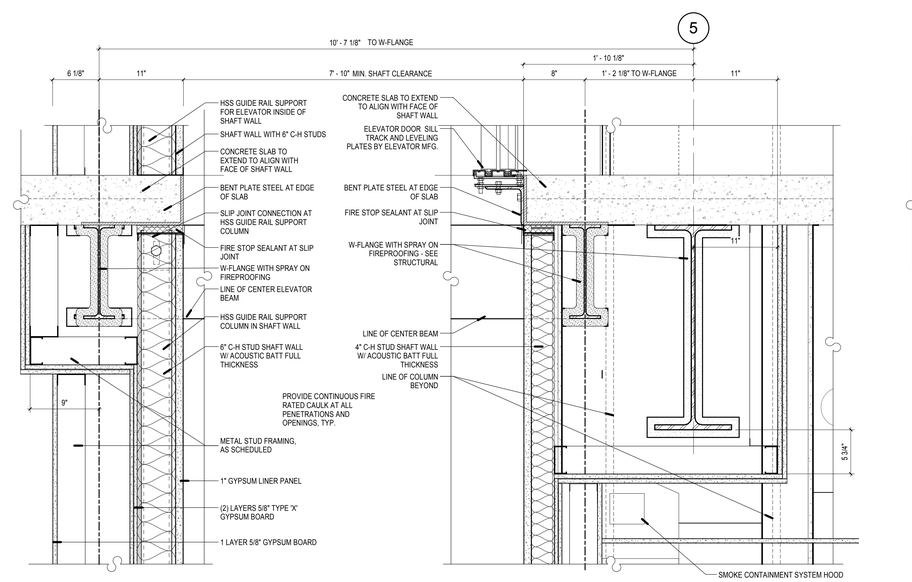
C3 SERVICE ELEVATOR- SECTION 02

SCALE: 1 1/2" = 1'-0"



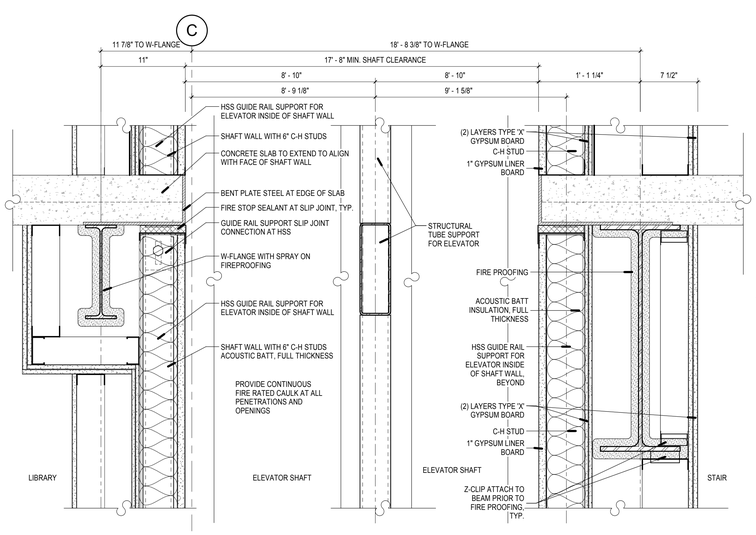
C5 SERVICE ELEVATOR- SECTION

SCALE: 1 1/2" = 1'-0"



A3 DOUBLE ELEVATOR- TRANSVERSE DETAIL

SCALE: 1 1/2" = 1'-0"



A5 DOUBLE ELEVATOR- LONGITUDINAL DETAIL

SCALE: 1 1/2" = 1'-0"

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ELEVATOR DETAILS

A555

Sheet Number

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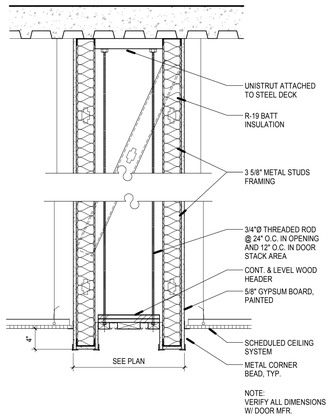
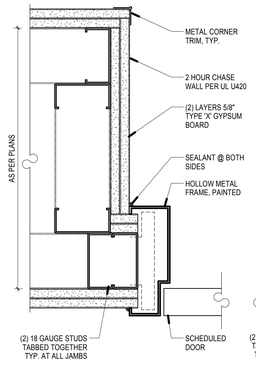
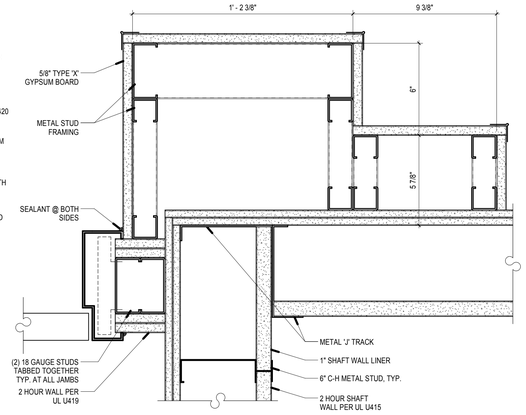


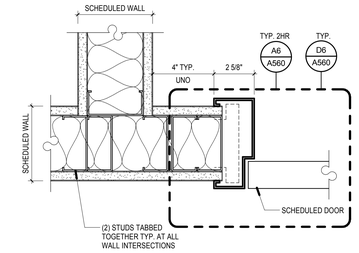
D1 ACCORDIAN DOOR HEAD
SCALE: 1" = 1'-0"



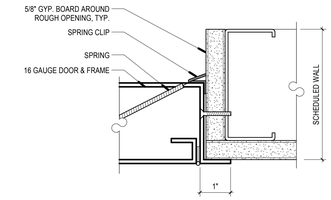
D2 H.M. DOOR JAMB DTL. @ DOOR 108B - LEFT JAMB
SCALE: 3" = 1'-0"



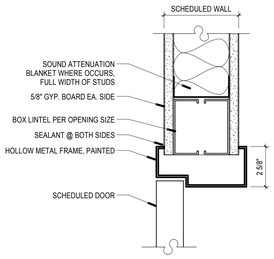
D3 H.M. DOOR JAMB DTL. @ DOOR 108B - RIGHT JAMB
SCALE: 3" = 1'-0"



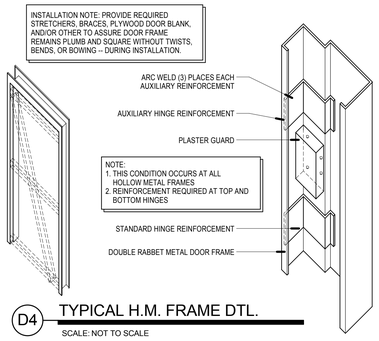
E4 H.M. DOOR CORNER JAMB DTL.
SCALE: 3" = 1'-0"



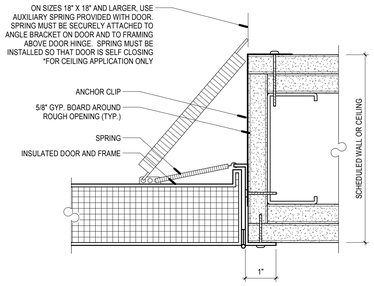
E5 TYPICAL ACCESS DOOR DETAIL
SCALE: 6" = 1'-0"



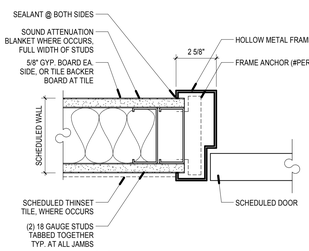
E6 H.M. DOOR HEAD DETAIL - SINGLE RABBET
SCALE: 3" = 1'-0"



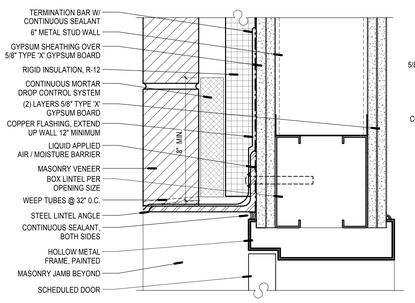
D4 TYPICAL H.M. FRAME DTL.
SCALE: NOT TO SCALE



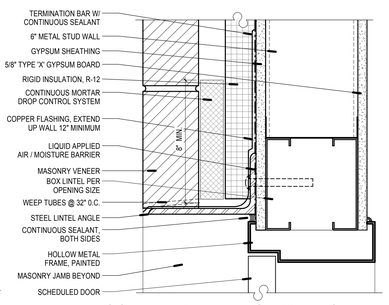
D5 TYPICAL RATED ACCESS DOOR DETAIL
SCALE: 6" = 1'-0"



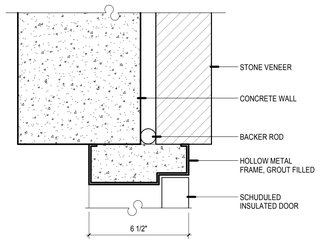
D6 H.M. DOOR JAMB DETAIL - SINGLE RABBET
SCALE: 3" = 1'-0"



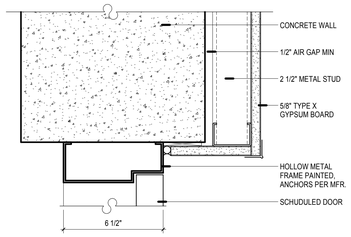
C2 H.M. DOOR HEAD DETAIL @ EXTERIOR MASONRY WALL - 2 HR. RATED
SCALE: 3" = 1'-0"



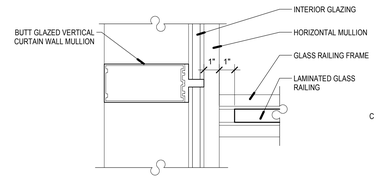
C3 H.M. DOOR HEAD DETAIL @ EXTERIOR MASONRY WALL
SCALE: 3" = 1'-0"



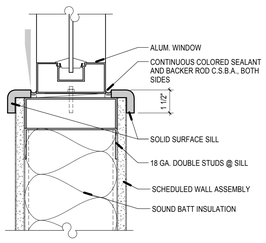
C4 HOLLOW METAL DOOR JAMB @ STONE VENEER
SCALE: 3" = 1'-0"



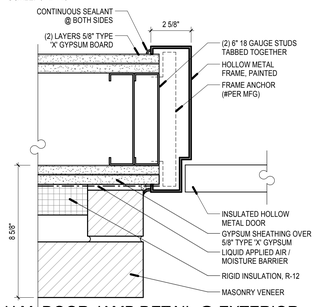
C5 HOLLOW METAL DOOR JAMB AT CONCRETE WALL (HEAD SIM.)
SCALE: 3" = 1'-0"



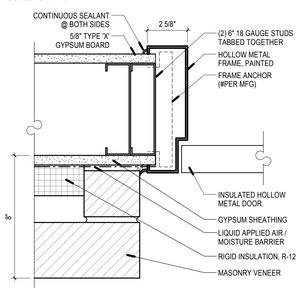
C6 GLASS RAILING @ CURTAIN WALL
SCALE: 3" = 1'-0"



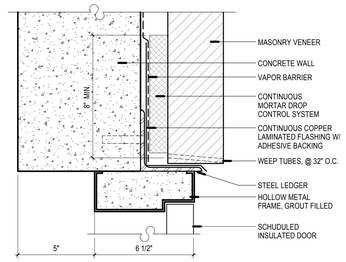
B1 ALUM WINDOW SILL
SCALE: 3" = 1'-0"



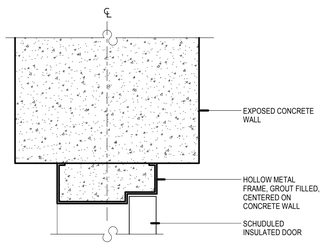
B2 H.M. DOOR JAMB DETAIL @ EXTERIOR MASONRY WALL - 2 HR. RATED
SCALE: 3" = 1'-0"



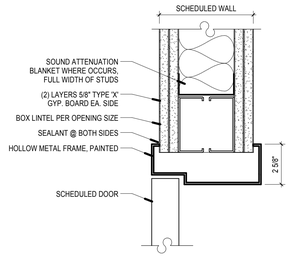
B3 H.M. DOOR JAMB DETAIL @ EXTERIOR MASONRY WALL
SCALE: 3" = 1'-0"



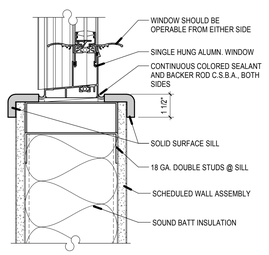
B4 HOLLOW METAL DOOR HEAD @ STONE VENEER
SCALE: 3" = 1'-0"



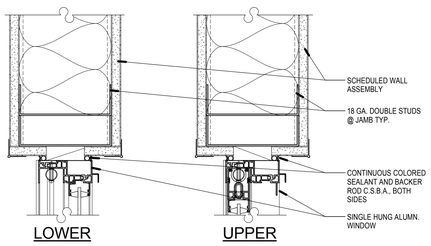
B5 HOLLOW METAL DOOR JAMB @ EXPOSED CONCRETE WALL (HEAD SIM.)
SCALE: 3" = 1'-0"



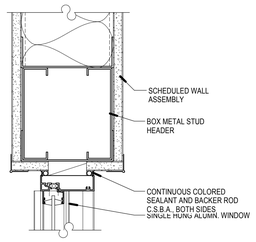
B6 H.M. DOOR HEAD DTL. @ 2 HR WALL (UL#419) - SINGLE RABBET
SCALE: 3" = 1'-0"



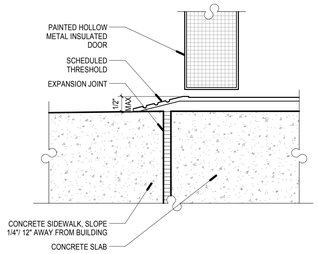
A1 ALUM SINGLE HUNG SILL
SCALE: 3" = 1'-0"



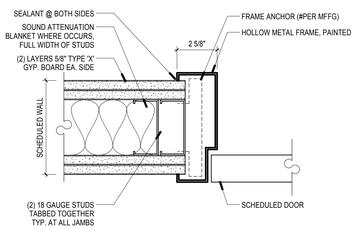
A2 ALUM SINGLE HUNG JAMB
SCALE: 3" = 1'-0"



A3 ALUM SINGLE HUNG HEAD
SCALE: 3" = 1'-0"



A5 EXTERIOR H.M. DOOR THRESHOLD DTL.
SCALE: 6" = 1'-0"



A6 H.M. DOOR JAMB DTL. @ 2 HR WALL (UL#419) - SINGLE RABBET
SCALE: 3" = 1'-0"

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DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

DOOR AND WINDOW DETAILS

A560
Sheet Number

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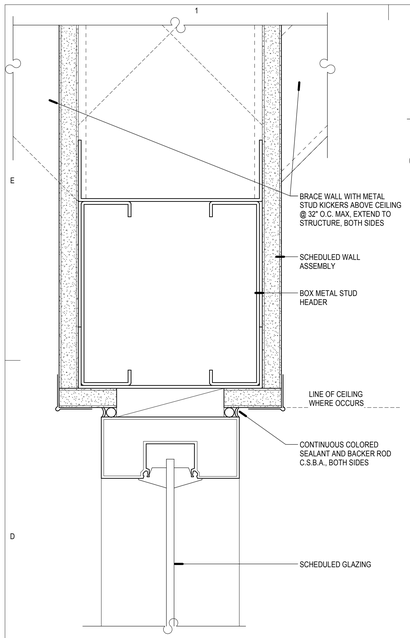
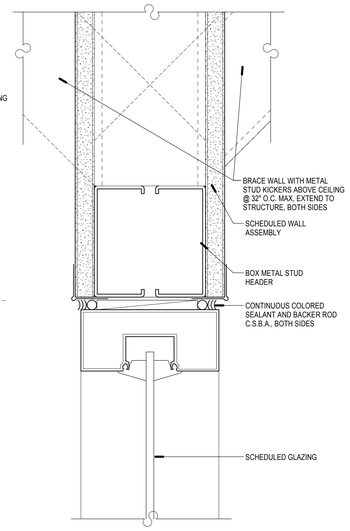


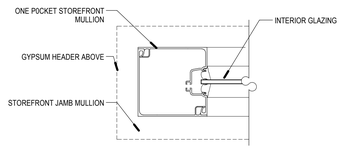
D1 INTERIOR STOREFRONT HEAD DETAIL 6" STUD WALL

SCALE: 6" = 1'-0"



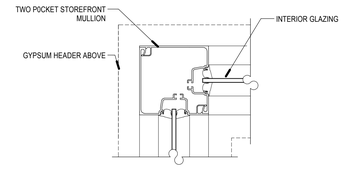
D2 INTERIOR STOREFRONT HEAD DETAIL

SCALE: 6" = 1'-0"



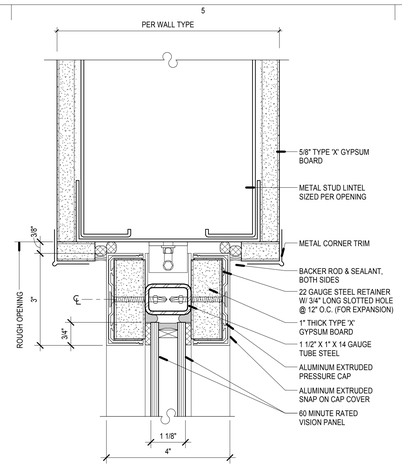
E3 STOREFRONT END

SCALE: 3" = 1'-0"



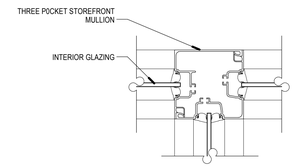
E4 STOREFRONT CORNER

SCALE: 3" = 1'-0"



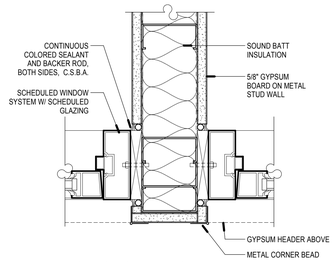
D5 60 MIN. RATED ALUMINUM CLAD FRAME - HEAD

SCALE: 6" = 1'-0"



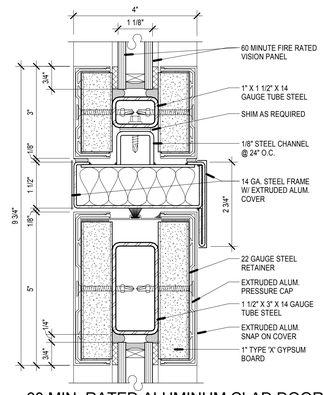
E6 STOREFRONT CORNER - THREE POCKETS

SCALE: 3" = 1'-0"



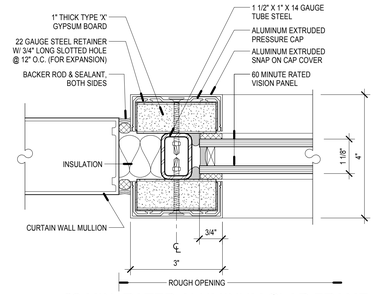
D3 INTERIOR STOREFRONT JAMB DETAIL AT PENETRATING WALL

SCALE: 3" = 1'-0"



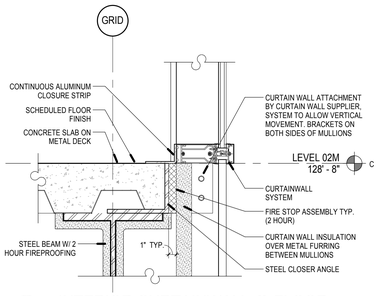
D4 60 MIN. RATED ALUMINUM CLAD DOOR - RAIL AT TRANSOM

SCALE: 6" = 1'-0"



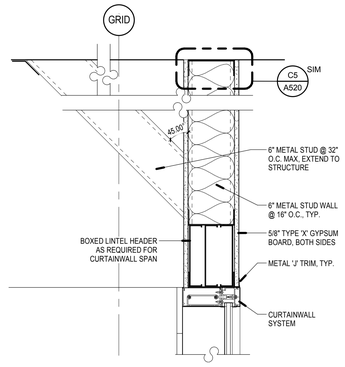
C5 60 MIN. RATED ALUMINUM CLAD FRAME - JAMB AT CURTAINWALL

SCALE: 6" = 1'-0"



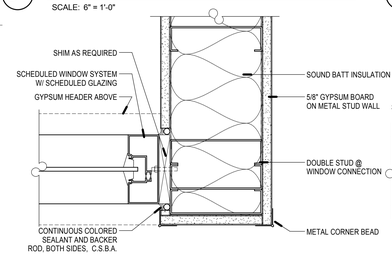
C6 INTERIOR CURTAINWALL @ FLOOR

SCALE: 1 1/2" = 1'-0"



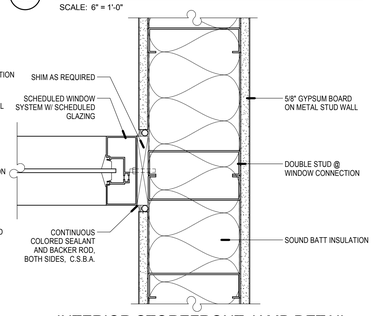
D6 INTERIOR CURTAINWALL HEAD

SCALE: 1 1/2" = 1'-0"



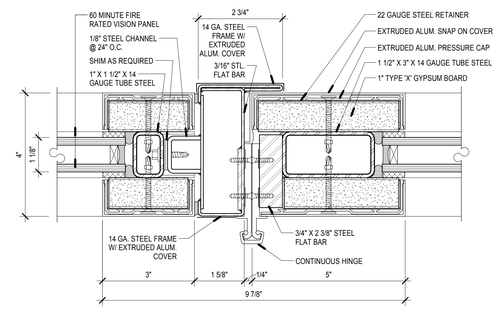
C1 INTERIOR STOREFRONT JAMB DETAIL @ WALL TERMINATION

SCALE: 3" = 1'-0"



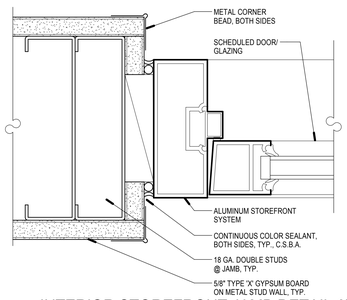
C2 INTERIOR STOREFRONT JAMB DETAIL PERPENDICULAR TO WALL

SCALE: 3" = 1'-0"



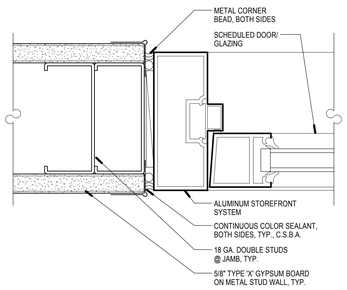
C3 60 MIN. RATED ALUMINUM CLAD DOOR - HINGE

SCALE: 6" = 1'-0"



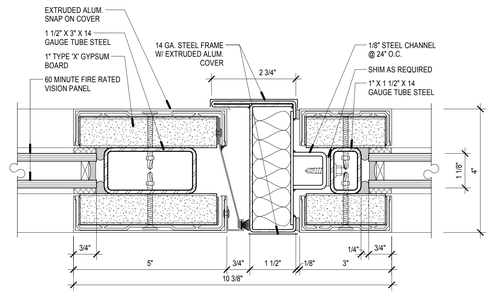
B1 INTERIOR STOREFRONT JAMB DETAIL 6" STUD WALL

SCALE: 6" = 1'-0"



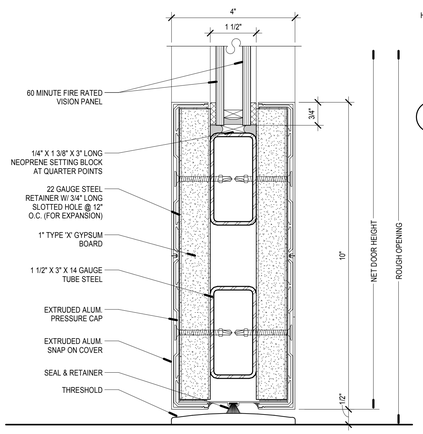
B2 INTERIOR STOREFRONT JAMB DETAIL

SCALE: 6" = 1'-0"



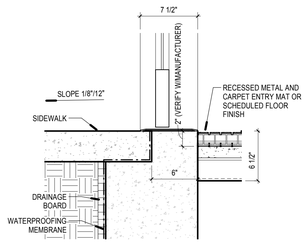
B3 60 MIN. RATED ALUM. CLAD DOOR - LOCK SIDE

SCALE: 6" = 1'-0"



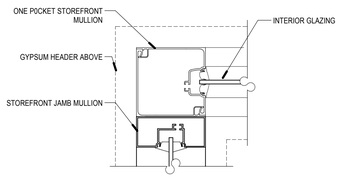
A5 60 MIN. RATED ALUMINUM CLAD DOOR - BOTTOM RAIL

SCALE: 6" = 1'-0"



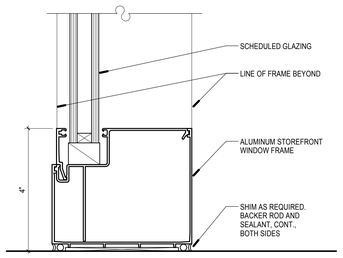
A6 EXTERIOR DOOR THRESHOLD DETAIL

SCALE: 1 1/2" = 1'-0"



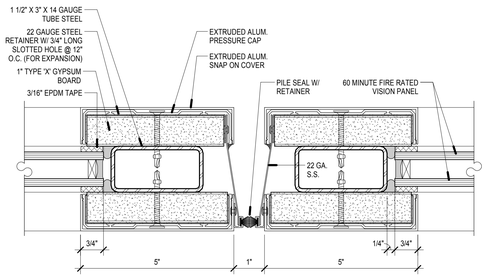
A1 STOREFRONT CORNER - ONE POCKET W/ DOOR JAMB

SCALE: 3" = 1'-0"



A2 ALUMINUM STOREFRONT WINDOW FRAME SILL

SCALE: 6" = 1'-0"



A3 60 MIN. RATED ALUMINUM CLAD DOOR - MEETING STYLES

SCALE: 6" = 1'-0"

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DFCM #02297640

DIXIE COLLEGE, ST. GEORGE, UT

CONFORMED CONSTRUCTION DOCUMENTS BID SET

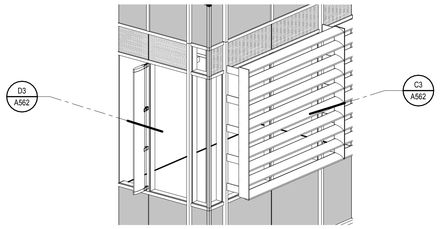
No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ALUMINUM SYSTEM DETAILS

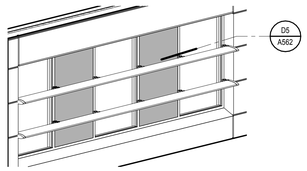
A561

Sheet Number



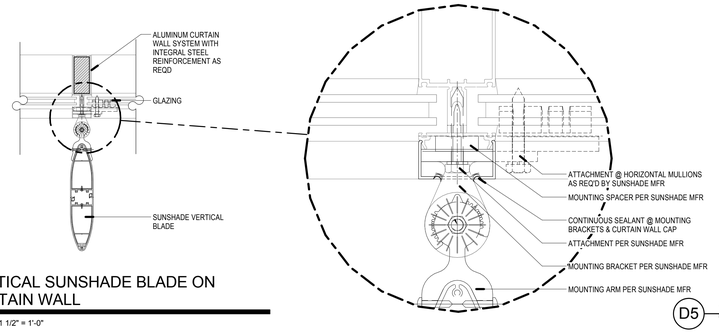
E4 VERTICAL SUNSHADE BLADES & HORIZONTAL LOUVER SYSTEMS

SCALE:



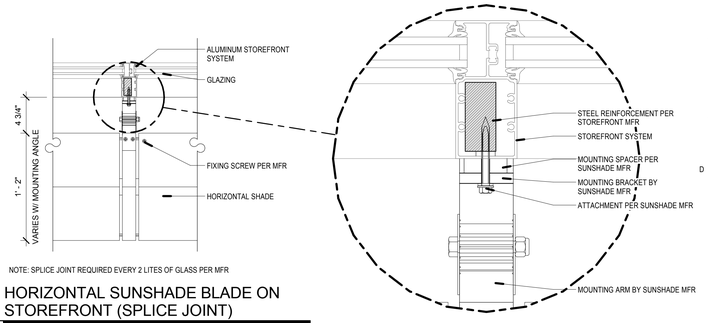
E5 HORIZONTAL SUNSHADE BLADE SYSTEM AXON

SCALE:



D3 VERTICAL SUNSHADE BLADE ON CURTAIN WALL

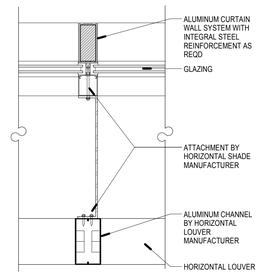
SCALE: 1 1/2" = 1'-0"



NOTE: SPLICE JOINT REQUIRED EVERY 2 LITES OF GLASS PER MFR

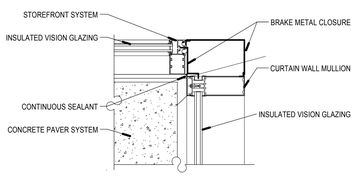
D5 HORIZONTAL SUNSHADE BLADE ON STOREFRONT (SPLICE JOINT)

SCALE: 1 1/2" = 1'-0"



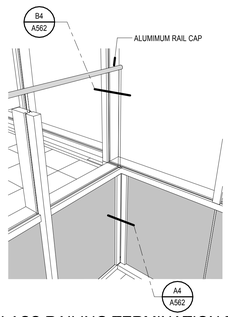
C3 HORIZONTAL LOUVER SYSTEM ON CURTAIN WALL

SCALE: 1 1/2" = 1'-0"



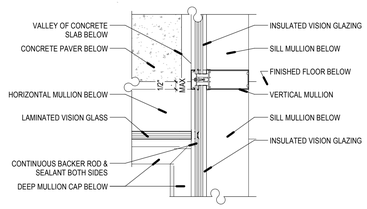
B2 CURTAIN / STOREFRONT TRANSITION

SCALE: 1 1/2" = 1'-0"



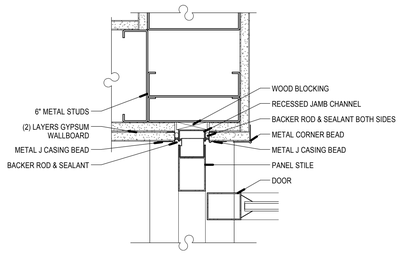
B3 GLASS RAILING TERMINATION EAST

SCALE:



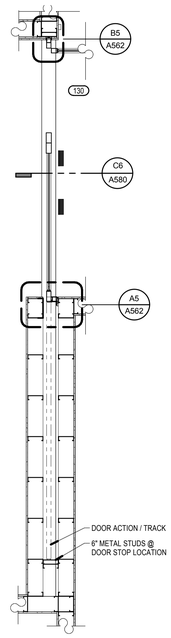
B4 GLASS RAILING TERMINATION - EAST

SCALE: 1 1/2" = 1'-0"



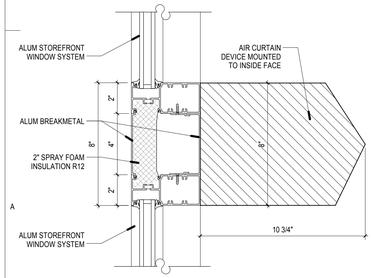
B5 SLIDING STOREFRONT JAMB

SCALE: 3" = 1'-0"



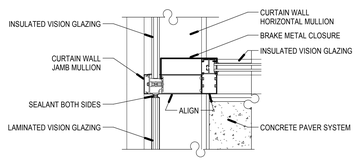
A6 ENLARGED SLIDING DOOR

SCALE: 1/2" = 1'-0"



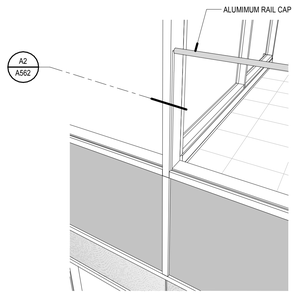
A1 CONCESSIONS WINDOW / AIR CURTAIN

SCALE: 3" = 1'-0"



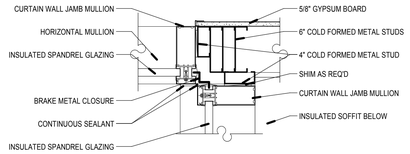
A2 GLASS RAILING TERMINATION WEST

SCALE: 1 1/2" = 1'-0"



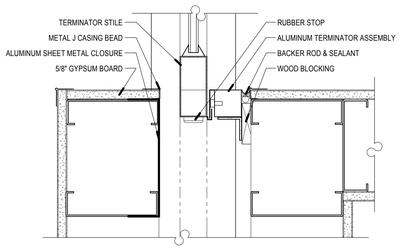
A3 GLASS RAILING TERMINATION WEST

SCALE:



A4 CURTAIN WALL INSIDE CORNER BELOW GLASS RAILING

SCALE: 1 1/2" = 1'-0"



A5 SLIDING STOREFRONT JAMB @ POCKET

SCALE: 3" = 1'-0"

VCBO ARCHITECTURE
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DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
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No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

ALUMINUM SYSTEM DETAILS

A562
Sheet Number

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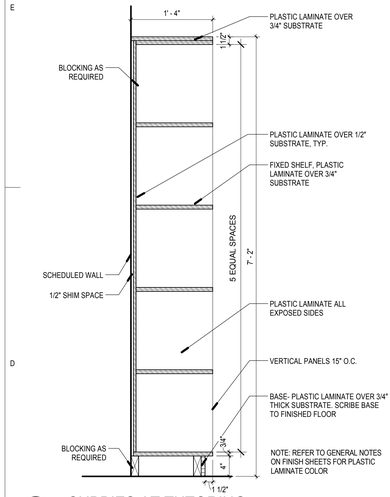
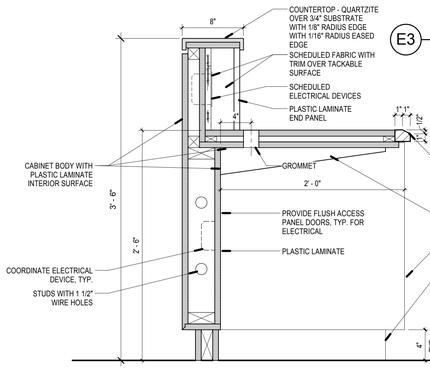
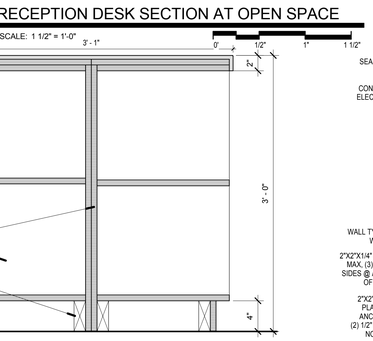


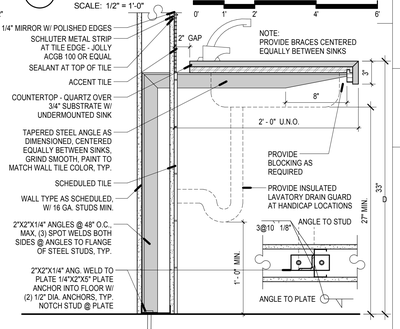
D1 CUBBIES AT TUTORING
SCALE: 1" = 1'-0"



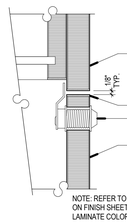
D2 RECEPTION DESK SECTION AT OPEN SPACE 2
SCALE: 1 1/2" = 1'-0"



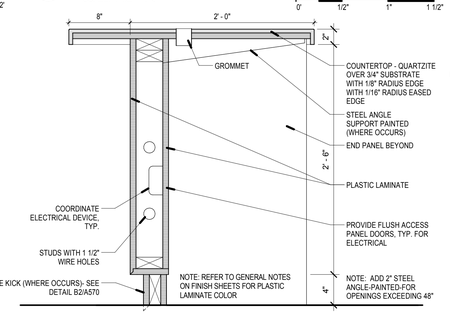
D3 RECEPTION DESK SECTION AT OPEN SPACE
SCALE: 1 1/2" = 1'-0"



D6 WALL MOUNTED COUNTERTOP
SCALE: 1 1/2" = 1'-0"

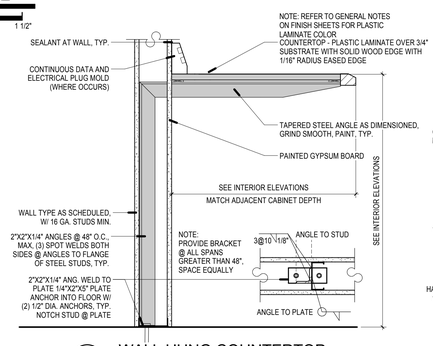


C1 LOCK DETAIL
SCALE: 6" = 1'-0"

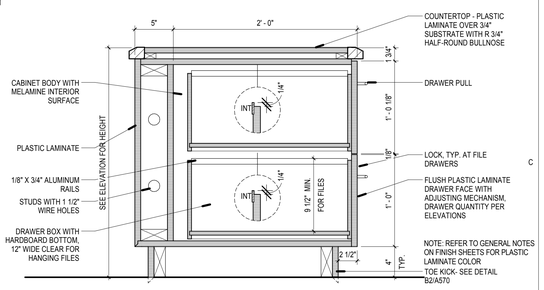


C2 REFERENCE DESK
SCALE: 1 1/2" = 1'-0"

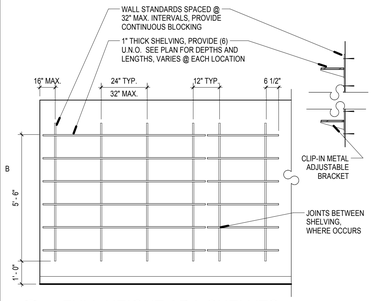
C3 REFERENCE SHELVES- TWO SIDED
SCALE: 1 1/2" = 1'-0"



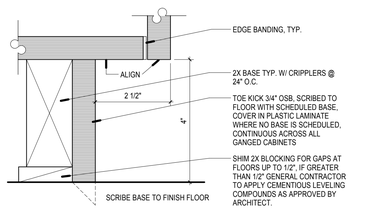
C4 WALL HUNG COUNTERTOP
SCALE: 1 1/2" = 1'-0"



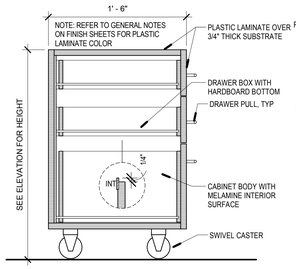
C6 REC DESK SECTION W/ DRAWERS
SCALE: 1 1/2" = 1'-0"



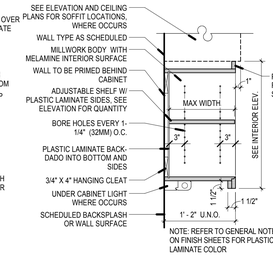
B1 FULL HEIGHT ADJ. SHELVES
SCALE: 3/8" = 1'-0"



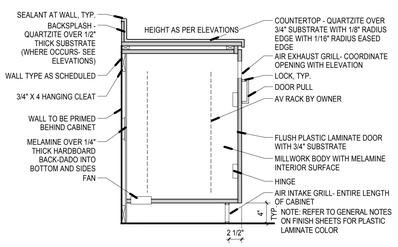
B2 TOE KICK DETAIL
SCALE: 6" = 1'-0"



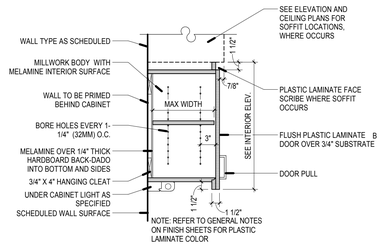
B3 MOBILE FILE
SCALE: 1 1/2" = 1'-0"



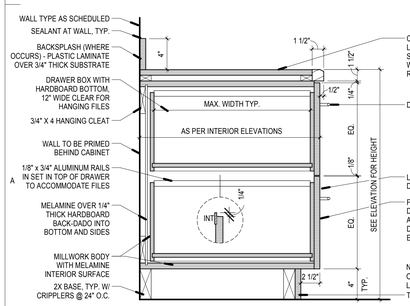
B4 UPPER OPEN CABINET SECTION
SCALE: 1" = 1'-0"



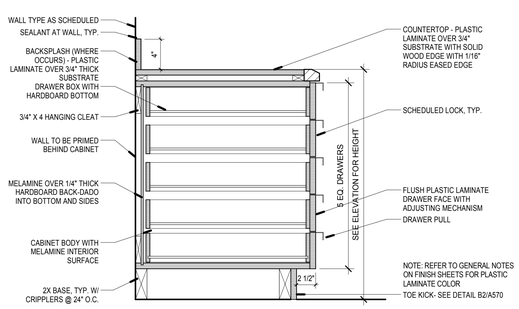
B5 TYPICAL AV CABINET DETAIL
SCALE: 1" = 1'-0"



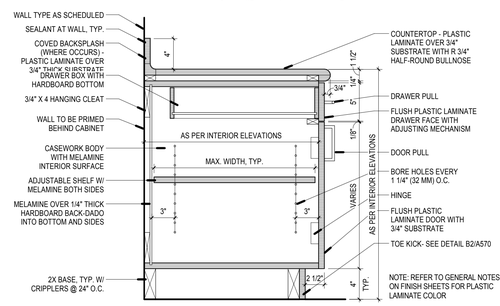
B6 UPPER FULL DOOR SECTION
SCALE: 1" = 1'-0"



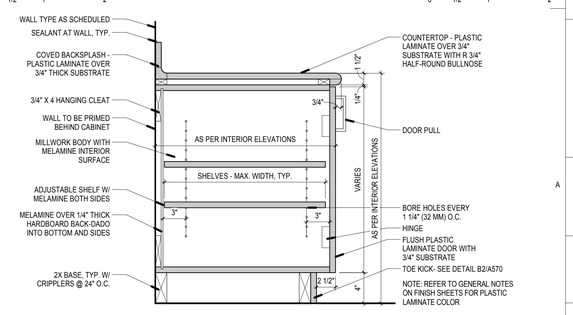
A1 BASE CABINET SECTION AT FILE DRAWER UNIT
SCALE: 1 1/2" = 1'-0"



A2 5 DRAWER CABINET
SCALE: 1 1/2" = 1'-0"



A4 BASE CABINET SECTION AT DRAWER / DOOR
SCALE: 1 1/2" = 1'-0"



A5 BASE CABINET SECTION WITH FULL DOOR
SCALE: 1 1/2" = 1'-0"

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VCBO ARCHITECTURE
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HOLLAND CENTENNIAL COMMONS

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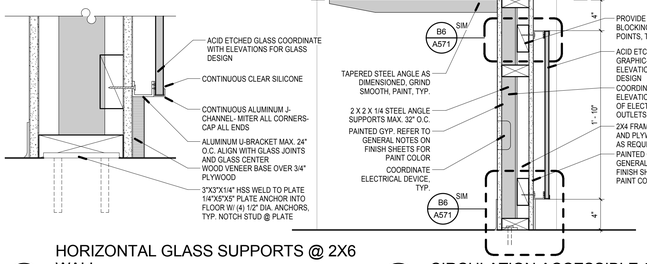
Ins. #

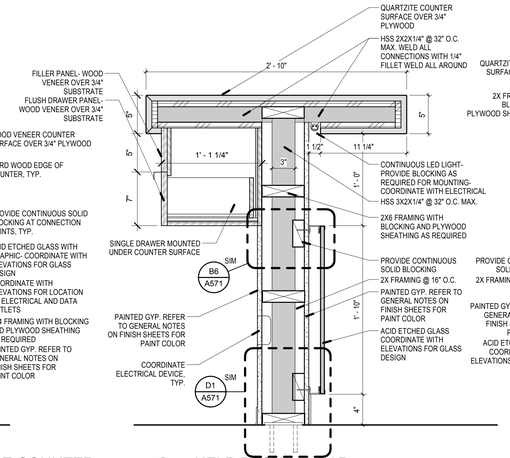
MILLWORK DETAILS

A570
Sheet Number



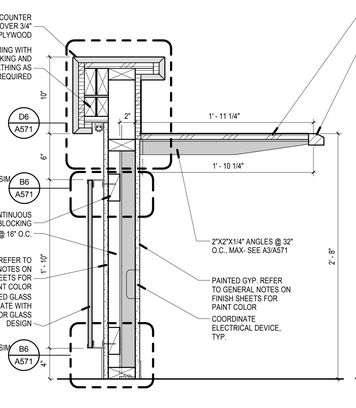
D1 HORIZONTAL GLASS SUPPORTS @ 2X6 WALL

SCALE: 3" = 1'-0"



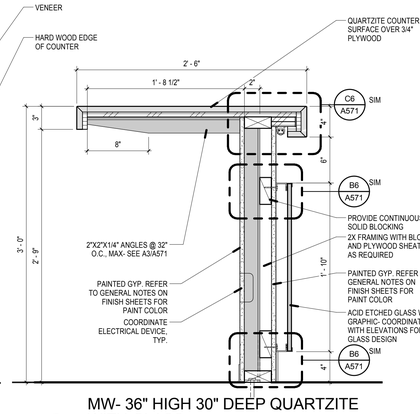
D2 CIRCULATION ACCESSIBLE COUNTER

SCALE: 1 1/2" = 1'-0"



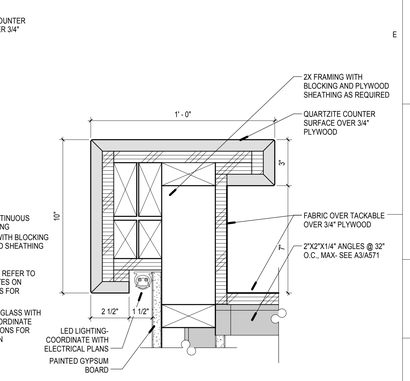
D3 HELP DESK 249 BAR

SCALE: 1 1/2" = 1'-0"



D4 HELP DESK 249-42" TO 32"

SCALE: 1 1/2" = 1'-0"

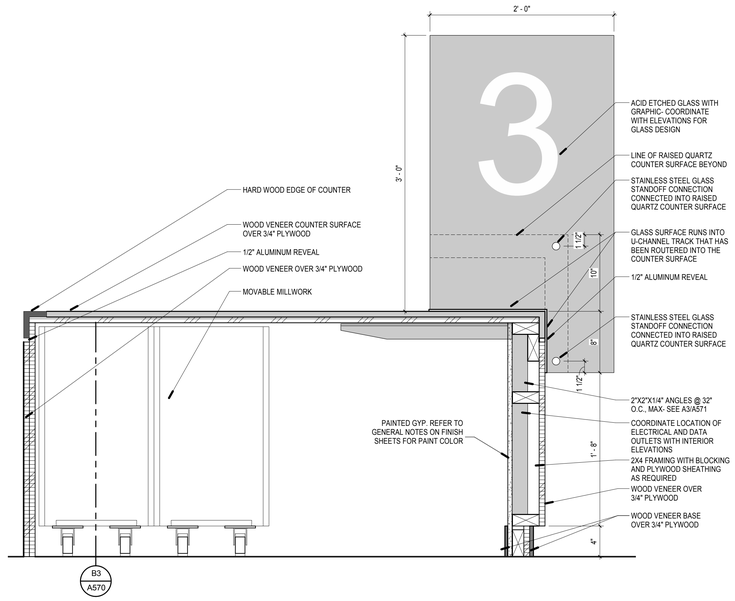


D5 MW- 36" HIGH 30" DEEP QUARTZITE WITH GLASS

SCALE: 1 1/2" = 1'-0"

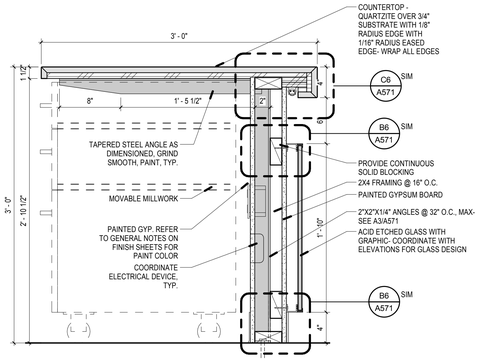
D6 COUNTER LIGHT DETAIL 02

SCALE: 1 1/2" = 1'-0"



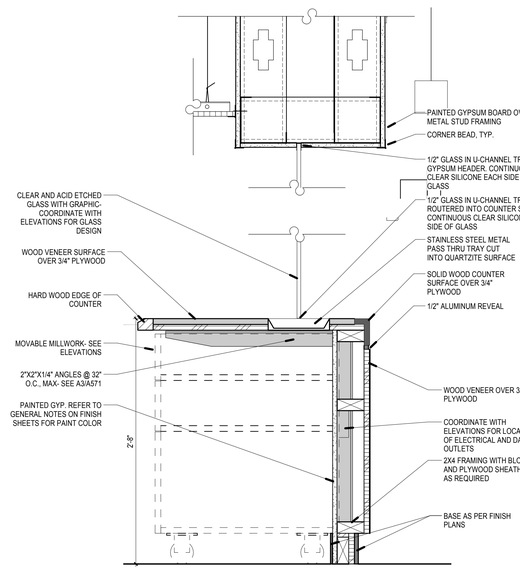
B1 ROOM 160-MILLWORK DETAIL 01

SCALE: 1 1/2" = 1'-0"



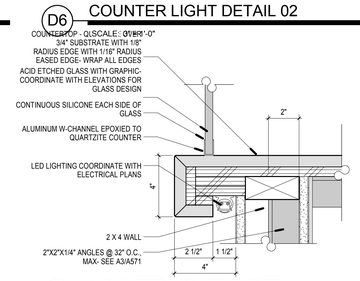
B3 MW- 36" HIGH 36" DEEP QUARTZITE

SCALE: 1 1/2" = 1'-0"



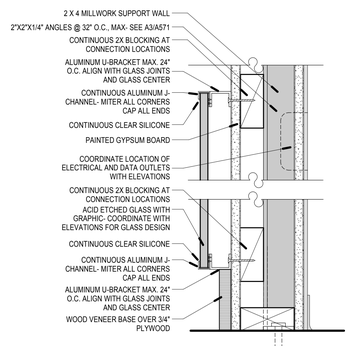
B4 ROOM 151-MILLWORK DETAIL 01

SCALE: 1 1/2" = 1'-0"



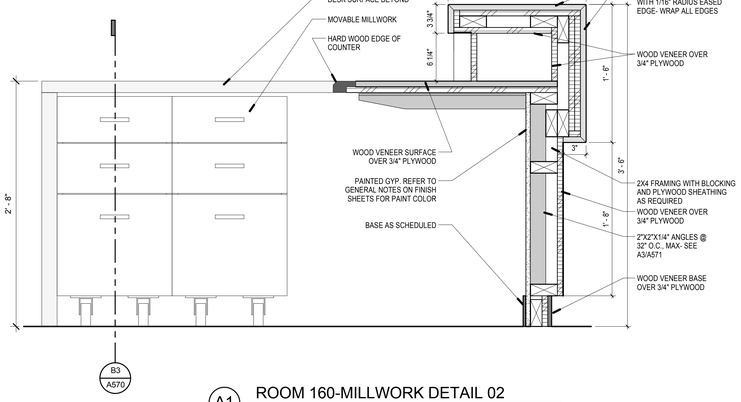
C6 COUNTER LIGHTING DETAIL

SCALE: 3" = 1'-0"



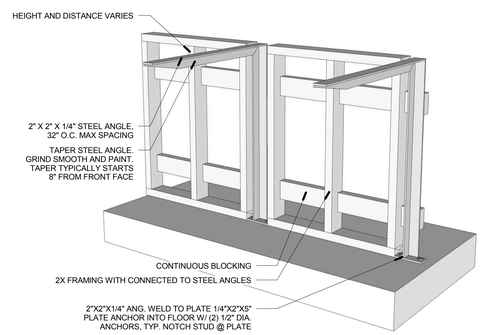
B6 HORIZONTAL GLASS SUPPORTS

SCALE: 3" = 1'-0"



A1 ROOM 160-MILLWORK DETAIL 02

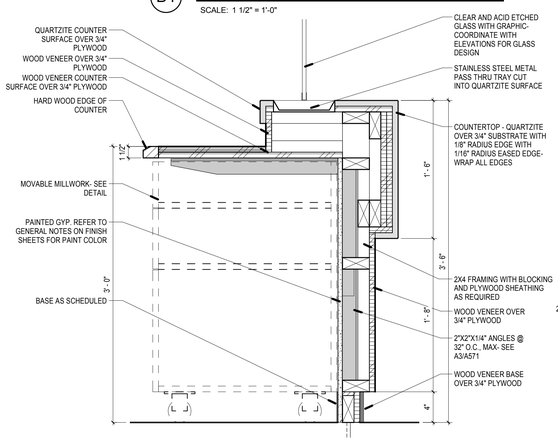
SCALE: 1 1/2" = 1'-0"



NOTE: EXPOSED STEEL IS TO BE GROUND SMOOTH AND PAINTED TO MATCH ADJACENT WALL SURFACE

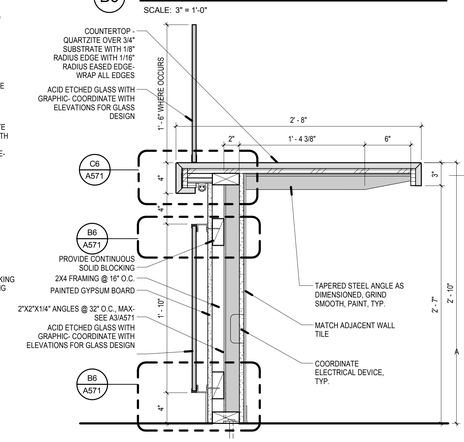
A3 MW COUNTER SUPPORTS

SCALE: 1 1/2" = 1'-0"



A4 ROOM 151-MILLWORK DETAIL 02

SCALE: 1 1/2" = 1'-0"



A6 34" HIGH COUNTER AT FOOD SERVICE

SCALE: 1 1/2" = 1'-0"

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MILLWORK DETAILS

A571

Sheet Number

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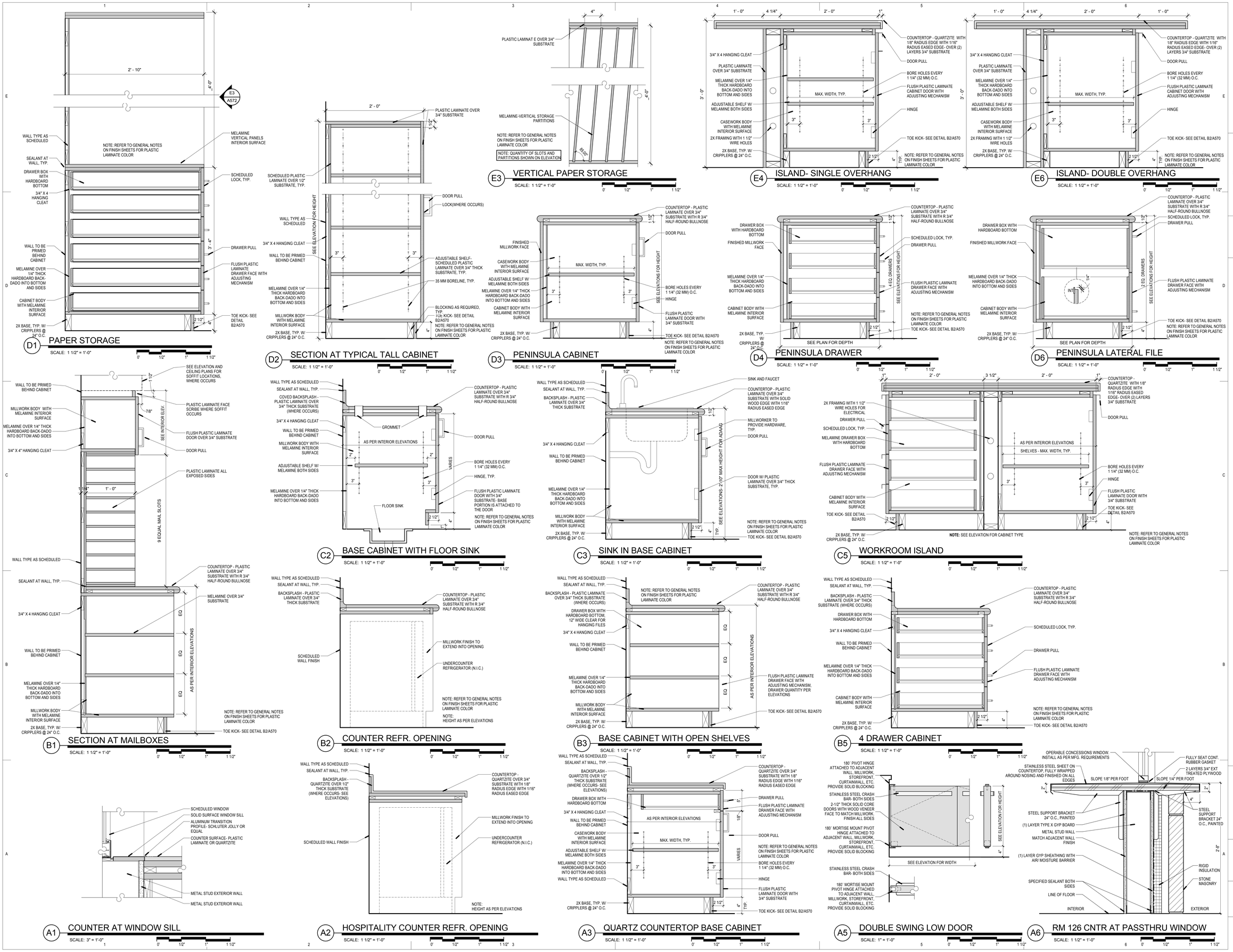

VCBO ARCHITECTURE
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MILLWORK DETAILS

A572
Sheet Number

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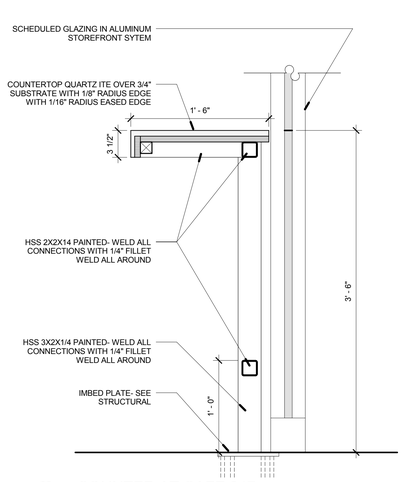
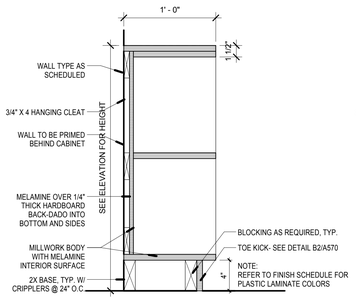


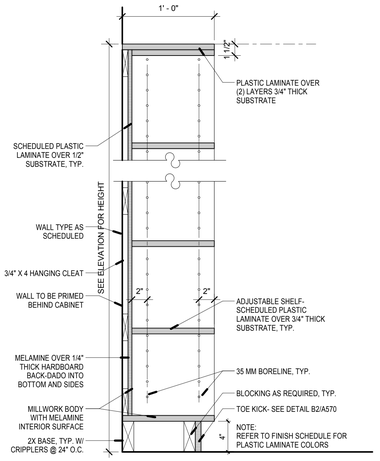
A4 COUNTER AT CAFE 247

SCALE: 1 1/2" = 1'-0"



A5 BOOK SHELF- WALL MOUNTED

SCALE: 1 1/2" = 1'-0"



A6 BOOK SHELF-TALL WALL MOUNTED

SCALE: 1 1/2" = 1'-0"

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A573
Sheet Number

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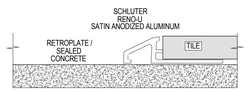
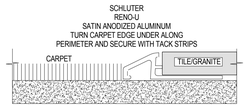
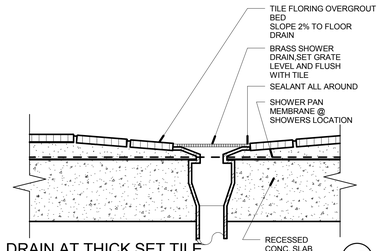


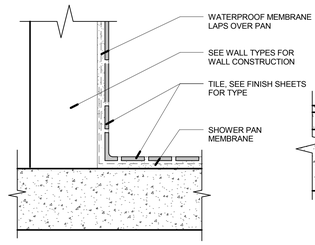
E1 CONCRETE TO TILE
SCALE: 12" = 1'-0"



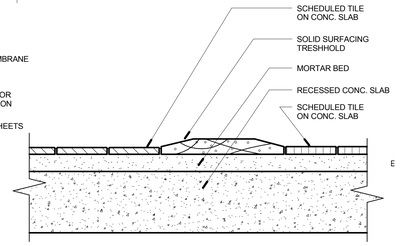
E2 CARPET TO TILE/GRANITE TRANSITION
SCALE: 12" = 1'-0"



E4 DRAIN AT THICK SET TILE
SCALE: 3" = 1'-0"

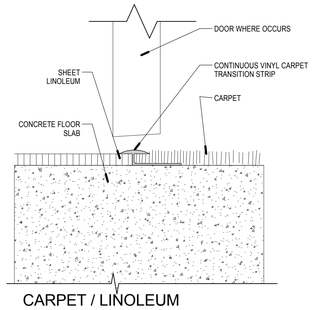


E5 TILE BASE DETAIL
SCALE: 3" = 1'-0"

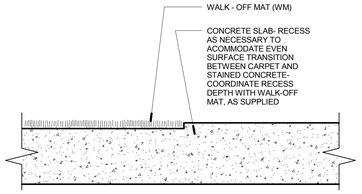


NOTE:
TRESHOLD THICKNESS IS TO MATCH THE THICKNESS OF THE TILE SYSTEM. MORE THAN ONE THICKNES MAY BE REQUIRED. VERIFY THE THICKNESS OF ALL TILE TYPES.

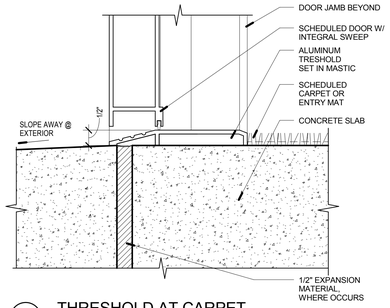
E6 SHOWER THRESHOLD
SCALE: 3" = 1'-0"



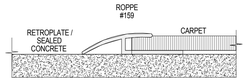
D1 CARPET / LINOLEUM TRANSITION
SCALE: 6" = 1'-0"



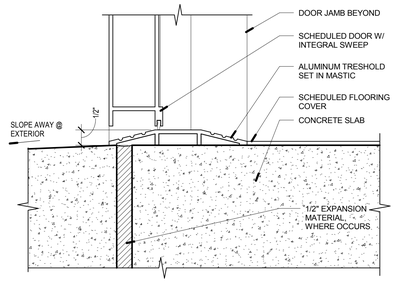
D2 RECESSED WALK-OFF MAT DETAIL
SCALE: 3" = 1'-0"



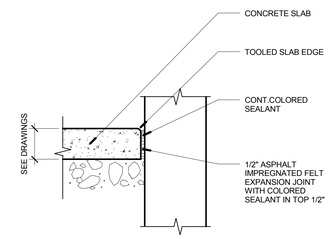
D3 THRESHOLD AT CARPET
SCALE: 6" = 1'-0"



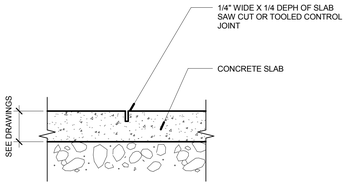
D4 CONCRETE TO CARPET
SCALE: 12" = 1'-0"



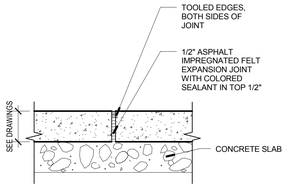
D5 THRESHOLD
SCALE: 6" = 1'-0"



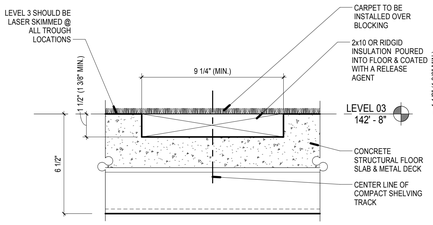
C1 SLAB JOINT AT CMU WALL (NO BASE)
SCALE: 1 1/2" = 1'-0"



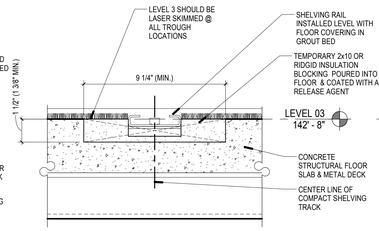
C2 TYPICAL CONTROL JOINT
SCALE: 1 1/2" = 1'-0"



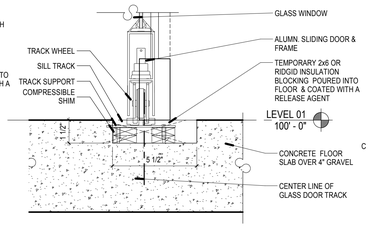
C3 EXPANSION JOINT DETAIL
SCALE: 1 1/2" = 1'-0"



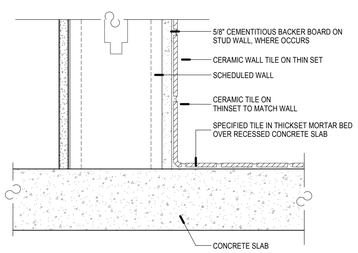
C4 COMPACT SHELVING RAIL TROUGH & BLOCKING
SCALE: 3" = 1'-0"



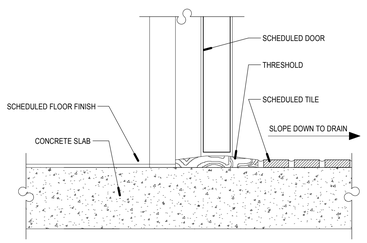
C5 COMPACT SHELVING RAIL
SCALE: 3" = 1'-0"



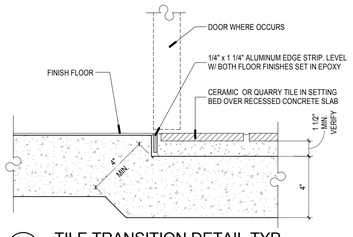
C6 SLIDING DOOR TROUGH & TRACK
SCALE: 3" = 1'-0"



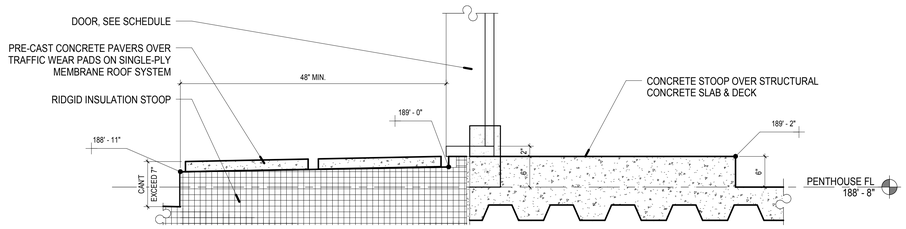
A1 TILE ON CONCRETE DETAIL
SCALE: 3" = 1'-0"



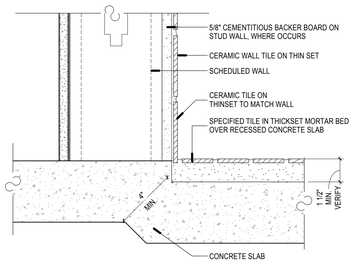
A2 CERAMIC TILE TRANSITION THRESHOLD DETAIL
SCALE: 3" = 1'-0"



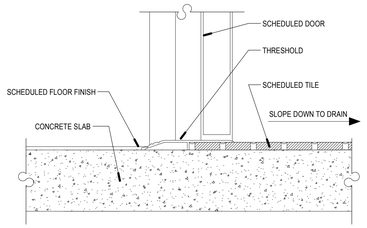
B3 TILE TRANSITION DETAIL TYP.
SCALE: 3" = 1'-0"



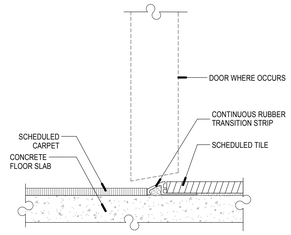
B5 ROOF STOOP
SCALE: 1" = 1'-0"



A1 TILE ON CONCRETE DETAIL
SCALE: 3" = 1'-0"

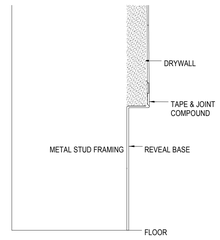


A2 CERAMIC TILE TRANSITION THRESHOLD DETAIL
SCALE: 3" = 1'-0"



A3 TYPICAL CERAMIC TILE TRANSITION DETAIL (THINSET)
SCALE: 6" = 1'-0"

A4 REVEAL BASE PRODUCT DETAIL
SCALE: 6" = 1'-0"



A5 REVEAL BASE INSTALLATION DETAIL
SCALE: 6" = 1'-0"

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SASAKI

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

FLOOR AND THRESHOLD DETAILS

A580
Sheet Number

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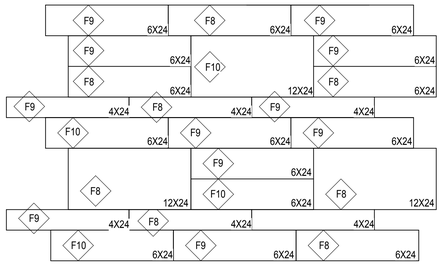
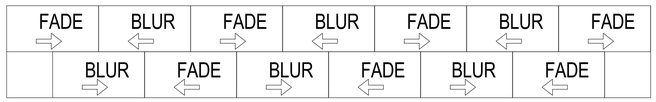


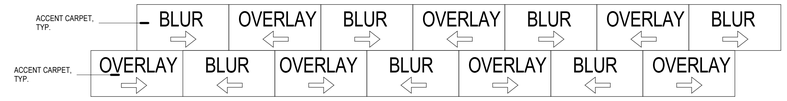
E1 TILE PATTERN

SCALE: 1" = 1'-0"



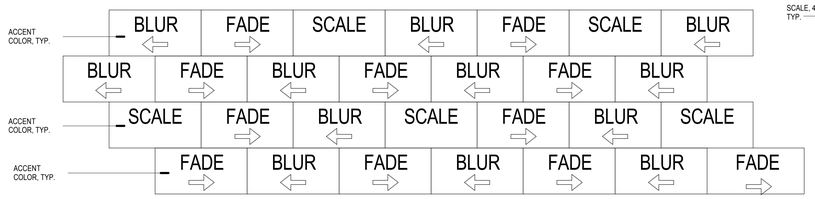
E2 CARPET PATTERN REPEAT - BRICK PATTERN

SCALE: 1/2" = 1'-0"



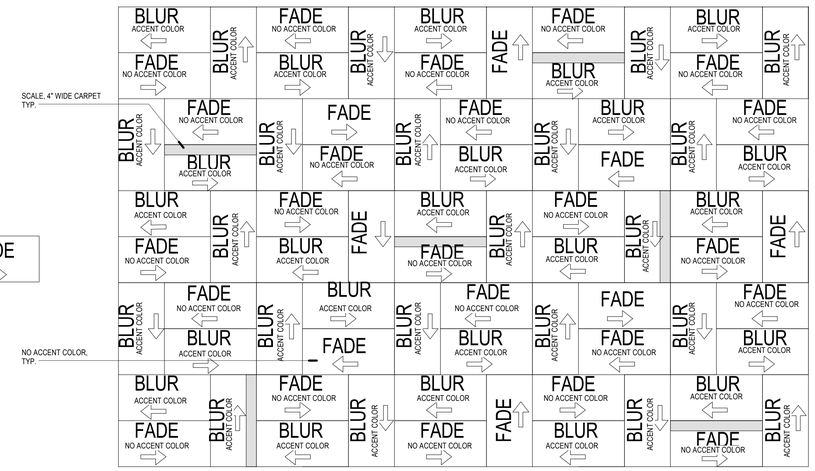
E4 CARPET PATTERN REPEAT- BRICK PATTERN 3

SCALE: 1/2" = 1'-0"



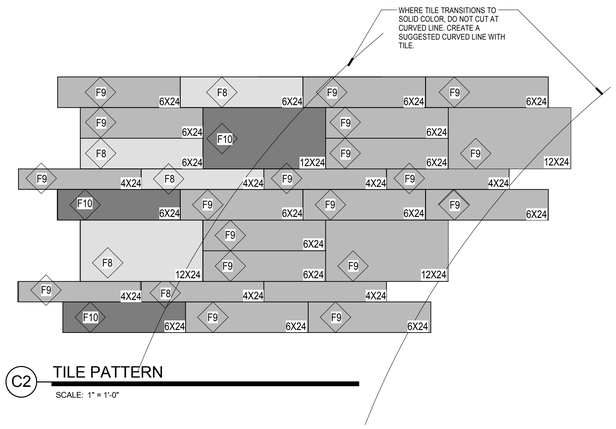
D2 CARPET PATTERN REPEAT - BRICK PATTERN 2

SCALE: 1/2" = 1'-0"



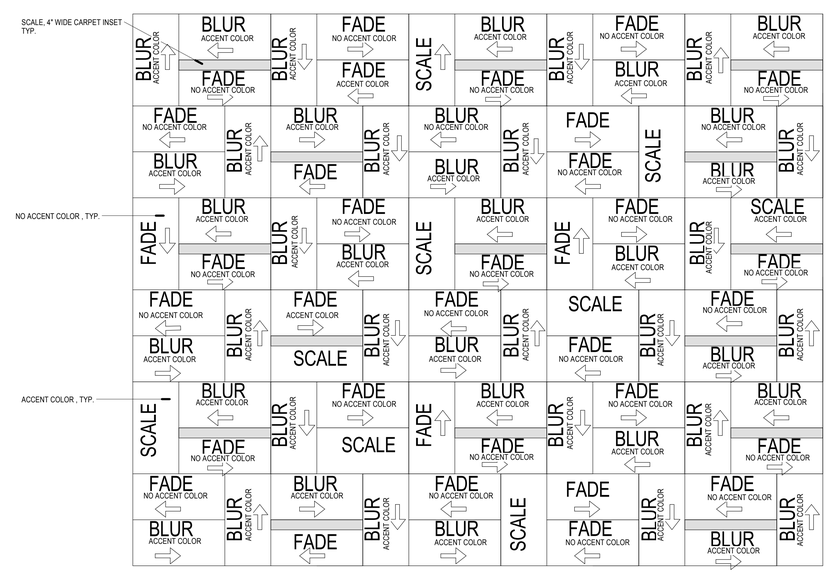
C4 CARPET PATTERN REPEAT - HALF BASKET

SCALE: 1/2" = 1'-0"



C2 TILE PATTERN

SCALE: 1" = 1'-0"



A4 CARPET PATTERN - HALF BASKET - BLUR, FADE & SCALE 2

SCALE: 1/2" = 1'-0"

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner # DFCM #06297640
Ins. #

ENLARGED FLOOR PATTERN DETAILS

A581

12/6/2010 4:38:00 PM

DOOR AND FRAME SCHEDULE

DOOR NUMBER	DOOR						FRAME			HARDWARE GROUP	LABEL (MIN.)	NOTES	DOOR NUMBER
	SIZE: WIDTH	HEIGHT	THICK	ELEV. TYPE	MATERIAL	FINISH/FACING	ELEV. TYPE	MATERIAL	FINISH/FACING				
100A	48"	96"	1 3/4"	J	STL		-	STL		43		GATE W/ CUSTOM HARDWARE	100A
100B	48"	96"	1 3/4"	J	STL		-	STL		43		GATE W/ CUSTOM HARDWARE	100B
100C	48"	84"	1 3/4"	D	MTL		3	HM		30		SEE DETAILS B4 & C4/A560	100C
104	36"	84"	1 3/4"	D	MTL		1	HM		07		ACCESS CONTROL	104
106	36"	84"	1 3/4"	E	SCWD		1	HM		06			106
108A	36"	84"	1 3/4"	D1	MTL		3	HM		23	90 MIN.	EXIT ONLY & CONTACT INDICATOR	108A
108B	36"	84"	1 3/4"	E1	SCWD		1	HM		21	90 MIN.	SEE D2&D3 A560 DELAYED EGRESS	108B
109	36"	84"	1 3/4"	E	SCWD		1	HM		04			109
110	36"	84"	1 3/4"	E	SCWD		1	HM		31		ADA ACTUATOR	110
111	36"	84"	1 3/4"	D	MTL		1	HM		06			111
112	36"	84"	1 3/4"	E	SCWD		1	HM		31		ADA ACTUATOR	112
113	36"	84"	1 3/4"	E	SCWD		1	HM		06			113
114	36"	84"	1 3/4"	D	MTL		1	HM		07		ACCESS CONTROL & ADA ACTUATOR	114
116	72"	84"	1 3/4"	E	SCWD		2	HM		16		SEE DETAIL C5/A560	116
116A	72"	84"	1 3/4"		MTL		5	HM		44		INSULATED DOOR, SEE DETAIL B5/A560 CONTACT INDICATOR	116A
117	48"	84"	1 3/4"	D	MTL		1	HM		08A			117
117A	72"	84"	1 3/4"	D	MTL		4	HM		22		INSULATED DOOR, SEE DETAIL B5/A560 CONTACT INDICATOR	117A
118	36"	76"	1 3/4"	D	MTL		3	HM		15		INSULATED DOOR, SEE DETAIL B5/A560	118
120	72"	84"	1 3/4"	E	SCWD		2	HM		16			120
122	36"	84"	1 3/4"	E	SCWD		1	HM		31		ADA ACTUATOR	122
123	36"	84"	1 3/4"	D	MTL		1	HM		06			123
124	36"	84"	1 3/4"	E	SCWD		1	HM		31		ADA ACTUATOR	124
124A	30"	84"	1 3/4"		SCWD			HM		03			124A
125	72"	96"	1 3/4"	B	AL		103	AL		27		ADA ACTUATOR	125
125A	72"	96"	1 3/4"	B	AL		C102	AL		35		ACCESS CONTROL, CONTACT INDICATOR, & ADA ACTUATOR	125A
125B	72"	96"	1 3/4"	B	AL		C103	AL		20		EXIT ONLY & CONTACT INDICATOR	125B
125C	72"	96"	1 3/4"	B	AL		C103	AL		20		EXIT ONLY & CONTACT INDICATOR	125C
126	36"	84"	1 3/4"	E	SCWD		1	HM		26			126
126B	252"	106"	1"	-	STL		-	STL		18		SIDE FOLDING SECURITY GRILLE	126B
130	33"	83"	1 3/4"	C	AL		14	AL		18		ACCESS CONTROL	130
131	36"	84"	1 3/4"	A	AL		9	AL		01			131
132	36"	84"	1 3/4"	A	AL		9	AL		01			132
133	36"	84"	1 3/4"	A	AL		11	AL		01			133
134	36"	84"	1 3/4"	A	AL		9	AL		01			134
135	36"	84"	1 3/4"	A	AL		11	AL		01			135
136	36"	84"	1 3/4"	A	AL		9	AL		01			136
137	36"	84"	1 3/4"	A	AL		11	AL		01			137
138	36"	84"	1 3/4"	A	AL		9	AL		01			138
139	36"	84"	1 3/4"	A	AL		11	AL		01			139
140	36"	84"	1 3/4"	A	AL		9	AL		01			140
141	36"	84"	1 3/4"	A	AL		11	AL		01			141
142	36"	84"	1 3/4"	E	SCWD		1	HM		04			142
144	36"	84"	1 3/4"	B	AL		104	AL		36		ACCESS CONTROL & CONTACT INDICATOR	144
145A	72"	84"	1 3/4"	D	MTL		4	HM		11		INSULATED DOOR, CONTACT INDICATOR	145A
145C	72"	84"	1 3/4"	E	SCWD		2	HM		16			145C
148	36"	84"	1 3/4"	D	MTL		2	HM		04			148
149	36"	84"	1 3/4"	E	SCWD		1	HM		04			149
149A	36"	84"	1 3/4"	D	MTL		3	HM		24		INSULATED DOOR	149A
149B	36"	84"	1 3/4"	D	MTL		3	HM		24		INSULATED DOOR	149B
151	36"	84"	1 3/4"	E	SCWD		1	HM		04			151
151A	30"	84"	1 3/4"	E	SCWD		1	HM		04			151A
152	36"	84"	1 3/4"	E	SCWD		9	AL		04			152
153	36"	84"	1 3/4"	E	SCWD		13	AL		04			153
153A	36"	84"	1 3/4"	E	SCWD		1	HM		03			153A
154	36"	84"	1 3/4"	A	AL		6	AL		29			154
154A	36"	84"	1 3/4"	E	SCWD		1	HM		03			154A
156	36"	84"	1 3/4"	A	AL		5	AL		04			156
160A	36"	84"	1 3/4"	A	SCWD		510	AL		04			160A
160B	36"	84"	1 3/4"	A	SCWD		510	AL		04			160B
161A	72"	84"	1 3/4"	B	AL		102	AL		28		ACCESS CONTROL	161A
162A	36"	84"	1 3/4"	A	AL		7	AL		06			162A
162B	36"	84"	1 3/4"	A	AL		5	AL		06			162B
163A	36"	84"	1 3/4"	A	AL		9	AL		06			163A
163B	36"	84"	1 3/4"	A	AL		9	AL		06			163B
164	36"	84"	1 3/4"	E	SCWD		1	HM		04			164
165	36"	84"	1 3/4"	A	AL		11	AL		01			165
166	36"	84"	1 3/4"	A	AL		11	AL		01			166
167	36"	84"	1 3/4"	A	AL		9	AL		03			167
168	36"	84"	1 3/4"	A	AL		7	AL		01			168
169	36"	84"	1 3/4"	A	AL		11	AL		01			169
172	36"	84"	1 3/4"	A	AL		11	AL		01			172
174	36"	84"	1 3/4"	A	AL		11	AL		01			174
175	36"	84"	1 3/4"	A	AL		11	AL		01			175
177	36"	84"	1 3/4"	A	AL		11	AL		01			177
181	36"	84"	1 3/4"	A	AL		8	AL		04			181
181B	36"	84"	1 3/4"	A	AL		6	AL		04			181B
182	36"	84"	1 3/4"	A	AL		9	AL		07			182
183	36"	84"	1 3/4"	A	AL		5	AL		01			183
184	36"	84"	1 3/4"	A	AL		11	AL		01			184
185	36"	84"	1 3/4"	A	AL		9	AL		01			185
186	36"	84"	1 3/4"	A	AL		11	AL		01			186
187	36"	84"	1 3/4"	A	AL		9	AL		01			187
188	36"	84"	1 3/4"	A	AL		11	AL		01			188
189	36"	84"	1 3/4"	A	AL		9	AL		01			189
190	36"	84"	1 3/4"	A	AL		101	AL		01			190
191	36"	84"	1 3/4"	A	AL		9	AL		01			191
192	36"	84"	1 3/4"	A	AL		11	AL		01			192
193	36"	84"	1 3/4"	A	AL		9	AL		01			193
194	36"	84"	1 3/4"	A	AL		11	AL		01			194
195	36"	84"	1 3/4"	A	AL		9	AL		01			195
196	36"	84"	1 3/4"	A	AL		9	AL		01			196
198	36"	84"	1 3/4"	A	AL		9	AL		01			198
201B	36"	84"	1 3/4"	D	MTL		3	HM		23		INSULATED DOOR, EXIT ONLY & CONTACT INDICATOR	201B
202	36"	84"	1 3/4"	E1	SCWD		1	HM		08	90 MIN.		202
204	36"	84"	1 3/4"	D	MTL		1	HM		07		ACCESS CONTROL	204
206	36"	84"	1 3/4"	E	SCWD		1	HM		06			206
208	36"	84"	1 3/4"	E1	SCWD		1	HM		21	90 MIN.	DELAYED EGRESS	208
209	36"	84"	1 3/4"	E	SCWD		1	HM		06			209
210	36"	84"	1 3/4"	E	SCWD		1	HM		31		ADA ACTUATOR	210
211	36"	84"	1 3/4"	D	MTL		1	HM		06			211
212	36"	84"	1 3/4"	E	SCWD		1	HM		31		ADA ACTUATOR	212
213	36"	84"	1 3/4"	E	SCWD		1	HM		06			213
214	36"	84"	1 3/4"	D	MTL		1	HM		07		ACCESS CONTROL	214
218A	72"	96"	1 3/4"	B	AL		C204	AL		35		ACCESS CONTROL, CONTACT INDICATOR, & ADA ACTUATOR	218A
218B	72"	96"	1 3/4"	B	AL		C204	AL		38		CONTACT INDICATOR	218B
218C	72"	96"	1 3/4"	B	AL		C205	AL		27		ADA ACTUATOR	218C
218D	72"	96"	1 3/4"	B	AL		C205	AL		34			218D
219A	72"	96"	1 3/4"	B	AL		C206	AL		20		EXIT ONLY & CONTACT INDICATOR	219A
219B	30"	48"	1 3/4"	E	SCWD		1	HM		42			219B
220	72"	96"	1 3/4"	B	AL		C208	AL		32			220
225	36"	84"	1 3/4"	A	AL		205	AL		01			225
226	36"	84"	1 3/4"	A	AL		10	AL		01			226
228	36"	84"	1 3/4"	A	AL		11	AL		03			228
229	36"	84"	1 3/4"	A	AL		5	AL		03			229
230	36"	84"	1 3/4"	A	AL		5	AL		03			230
231	36"	84"	1 3/4"	A	AL		11	AL		03			231
232	36"	84"	1 3/4"	E	SCWD		1	HM		03			232
232A	36"	84"	1 3/4"	A	AL		10	AL		04			232A
234A	36"	84"	1 3/4"	A	AL		C209	AL		04			234A
234B	36"	84"	1 3/4"	A	AL		C209	AL		06			234B
242	36"	84"	1 3/4"	A	AL		11	AL		01			242
243	36"	84"	1 3/4"	A	AL		11	AL		01			243
244	36"	84"	1 3/4"	A	AL		11	AL		01			244
245	36"	84"	1 3/4"	A	AL		7	AL		01		PROTECT 2 HR SHAFT WALL RATING @ JOINT	245
246	36"	84"	1 3/4"	A	AL		11	AL		03			246
247A	36"	84"	1 3/4"	E	SCWD		1	HM		04			247A
247C	378"	126"	1"	-	STL		-	STL		18		SIDE FOLDING SECURITY GRILLE	247C
248A	36"	84"	1 3/4"	E	SCWD		1	HM		04			248A
248B	36"	84"	1 3/4"	A	AL		248	AL		04			248B
251	72"	84"	1 3/4"	D	MTL		4	HM		22		INSULATED DOOR, SEE DETAIL B5/A560 CONTACT INDICATOR	251
251M	36"	84"	1 3/4"	E1	SCWD		1	HM		21	90 MIN.	DELAYED EGRESS	251M
252M	36"	84"	1 3/4"	E1	SCWD		1	HM		08	90 MIN.	DELAYED EGRESS	252M
253	72"	84"	1 3/4"	D	MTL		4	HM		22		INSULATED DOOR, SEE DETAIL B5/A560 CONTACT INDICATOR	253
254M	36"	84"	1 3/4"	D	MTL		1	HM		07		ACCESS CONTROL	254M
256M	36"	84"	1 3/4"	E	SCWD		1	HM		06			256M
258M	36"	84"	1 3/4"	E1	SCWD		1	HM		21	90 MIN.	DELAYED EGRESS	258M
259M	36"	84"	1 3/4"	D	MTL		1	HM		06			259M
260M	36"	84"	1 3/4"	E	SCWD		1	HM		05			260M
261M	36"	84"	1 3/4"	E	SCWD		1	HM		25			261M
263M	36"	84"	1 3/4"	E	SCWD		1	HM		06			263M
264M	36"	84"	1 3/4"	D	MTL		1	HM		07		ACCESS CONTROL	264M
271M	72"	96"	1 3/4"	B	AL		C210	AL		32			271M
273M	36"	84"	1 3/4"	E	SCWD		207	AL		03			273M
277M	36"	84"	1 3/4"	A	AL		206	AL		03			277M
278M	36"	84"	1 3/4"	A	AL		206	AL		03			278M
279M	36"	84"	1 3/4"	A	AL		206	AL		03			279M
280M	36"	84"	1 3/4"	A	AL		206	AL		03			280M

DOOR AND FRAME SCHEDULE

DOOR NUMBER	DOOR						FRAME			HARDWARE GROUP	LABEL (MIN.)	NOTES	DOOR NUMBER
	SIZE: WIDTH	HEIGHT	THICK	ELEV. TYPE	MATERIAL	FINISH/FACING	ELEV. TYPE	MATERIAL	FINISH/FACING				
281M	36"	84"	1 3/4"	A	AL		206	AL		03			281M
282M	36"	84"	1 3/4"	A	AL		204	AL		03			282M
283M	36"	84"	1 3/4"	A	AL		204	AL		03			283M
284M	36"	84"	1 3/4"	A	AL		204	AL		03			284M
285M	36"	84"	1 3/4"	A	AL		204	AL		03			285M
286M	36"	84"	1 3/4"	A	AL		204	AL		03			286M
290M	36"	84"	1 3/4"	A	AL		9	AL		03			290M
291M	36"	84"	1 3/4"	A	AL		9	AL		03			291M
292M	36"	84"	1 3/4"	A	AL		9	AL		03			292M
293M	36"	84"	1 3/4"	A	AL		9	AL		03			293M
294M	36"	84"	1 3/4"	A	AL		9	AL		03			294M
301	36"	84"	1 3/4"	E1	SCWD		1	HM		21	90 MIN.	DELAYED EGRESS	301
302	36"	84"	1 3/4"	E1	SCWD		1	HM		08	90 MIN.		302
304	36"	84"	1 3/4"	D	MTL		1	HM		07		ACCESS CONTROL	304
306	36"	84"	1 3/4"	E	SCWD		1	HM		06			306
308	36"	84"	1 3/4"	E1	SCWD		1	HM		21	90 MIN.	DELAYED EGRESS	308
309	36"	84"	1 3/4"	E	SCWD		1	HM		06			309
310	36"	84"	1 3/4"	E	SCWD		1	HM		05			310
311	36"	84"	1 3/4"	D	MTL		1	HM		06			311
312	36"	84"	1 3/4"	E	SCWD		1	HM		05			312
320	42"	84"	1 3/4"	E	SCWD		301	AL		07		ACCESS CONTROL	320
321	36"	84"	1 3/4"	E	SCWD		11	AL		04			321
322	36"	84"	1 3/4"	E	SCWD		1	HM		02			322
323	36"	84"	1 3/4"	E	SCWD		11	AL		02			323
324	36"	84"	1 3/4"	E	SCWD		11	AL		02			324
325B	36"	84"	1 3/4"	E	SCWD		1	HM		07		ACCESS CONTROL	325B
325C	36"	84"	1 3/4"	E	SCWD		9	AL		04			325C
330A	72"	84"	1 3/4"	E	SCWD		305	AL		28		ACCESS CONTROL	330A
330B	72"	84"	1 3/4"	E	SCWD		305	AL		28		ACCESS CONTROL	330B
331	72"	84"	1 3/4"	E	SCWD		306	AL		28		ACCESS CONTROL	331
332	36"	84"	1 3/4"	E	SCWD		9	AL		01			332
333	36"	84"	1 3/4"	E	SCWD		9	AL		01			333
334	36"	84"	1 3/4"	E	SCWD		307	AL		01			334
340	36"	84"	1 3/4"	E	SCWD		304	AL		06			340
341A	36"	84"	1 3/4"	E	SCWD		5	AL		05			341A
341B	36"	84"	1 3/4"	E	SCWD		1	HM		07			341B
342	36"	84"	1 3/4"	E	SCWD		1	HM		25			342
350	36"	84"	1 3/4"	E	SCWD		10	AL		07		ACCESS CONTROL	350
351	36"	84"	1 3/4"	E	SCWD		11	AL		04			351
352	36"	84"	1 3/4"	E	SCWD		1	HM		07			352
353	36"	84"	1 3/4"	E	SCWD		9	AL		01			353
354	36"	84"	1 3/4"	E	SCWD		11	AL		01			354
356	36"	84"	1 3/4"	E	SCWD		11	AL		01			356
357	36"	84"	1 3/4"	E	SCWD		8	AL		10			357
371	36"	84"	1 3/4"	E	SCWD		1	HM		06			371
372	36"	84"	1 3/4"	D	MTL		1	HM		07		ACCESS CONTROL	372
373A	72"	84"	1 3/4"	E	SCWD		2	HM		28		ACCESS CONTROL	373A
373B	36"	84"	1 3/4"	E	SCWD		1	HM		07			373B
373C	42"	84"	1 3/4"	E	SCWD		1	HM		06			373C
373D	42"	84"	1 3/4"	E	SCWD		1	HM		07		ACCESS CONTROL	373D
374	36"	84"	1 3/4"	E	SCWD		1	HM		06			374
375	36"	84"	1 3/4"	E	SCWD		9	AL		02			375
376A	36"	84"	1 3/4"	E	SCWD		1	HM		04			376A
377	36"	84"	1 3/4"	E	SCWD		1	HM		04			377
401	36"	84"	1 3/4"	E1	SCWD		1	HM		21	90 MIN.	DELAYED EGRESS	401
402	36"	84"	1 3/4"	E1	SCWD		1	HM		08	90 MIN.		402
404	36"	84"	1 3/4"	D	MTL		1	HM		07		ACCESS CONTROL	404
406	36"	84"	1 3/4"	E	SCWD		1	HM		06			406
408	36"	84"	1 3/4"	E1	SCWD		1	HM		21	90 MIN.	DELAYED EGRESS	408
409	36"	84"	1 3/4"	E	SCWD		1	HM		06			409
410	36"	84"	1 3/4"	E	SCWD		1	HM		05			410
411	36"	84"	1 3/4"	D	MTL		1	HM		06			411
412	36"	84"	1 3/4"	E	SCWD		1	HM		05			412
413	36"	84"	1 3/4"	E	SCWD		1	HM		06			413
414	36"	84"	1 3/4"	D	MTL		1	HM		07		ACCESS CONTROL	414
416	36"	84"	1 3/4"	E	SCWD		9	AL		01			416
417	36"	84"	1 3/4"	E	SCWD		9	AL		01			417
418	36"	84"	1 3/4"	E	SCWD		9	AL		01			418
420	36"	84"	1 3/4"	E	SCWD		7	AL		03			420
421A	36"	84"	1 3/4"	E	SCWD		9	AL		07		ACCESS CONTROL	421A
421B	36"	84"	1 3/4"	E	SCWD		9	AL		03			421B
422	36"	84"	1 3/4"	E	SCWD		9	AL		01			422
423	36"	84"	1 3/4"	E	SCWD		6	AL		03			423
424	36"	84"	1 3/4"	E	SCWD		9	AL		01			424
425	36"	84"	1 3/4"	E	SCWD		9	AL		01			425
426	36"	84"	1 3/4"	E	SCWD		7	AL		07		ACCESS CONTROL	426
430A	36"	84"	1 3/4"	E	SCWD		401	AL		04			430A
430B	36"	84"	1 3/4"	E	SCWD		401	AL		04			430B
431	36"	84"	1 3/4"	E	SCWD		6	AL		12		ACCESS CONTROL	431
432	36"	84"	1 3/4"	E	SCWD		9	AL		03			432
433	36"	84"	1 3/4"	E	SCWD		11	AL		03			433
435	36"	84"	1 3/4"	E	SCWD		9	AL		03			435
436	36"	84"	1 3/4"	E	SCWD		9	AL		03			436
437	36"	84"	1 3/4"	E	SCWD		9	AL		03			437
438	36"	84"	1 3/4"	E	SCWD		9	AL		03			438
443	36"	84"	1 3/4"	E	SCWD		1	HM		04			443
444	36"	84"	1 3/4"	E	SCWD		9	AL		01			444
445	36"	84"	1 3/4"	E	SCWD		9	AL		01			445
446	36"	84"	1 3/4"	E	SCWD		8	AL		01			446
447	36"	84"	1 3/4"	E	SCWD		9	AL		01			447
448	36"	84"	1 3/4"	E	SCWD		9	AL		01			448
449	36"	84"	1 3/4"	E	SCWD		9	AL		01			449
450	36"	84"	1 3/4"	E	SCWD		9	AL		01			450
451	36"	84"	1 3/4"	E	SCWD		9	AL		01			451
452	36"	84"	1 3/4"	E	SCWD		9	AL		01			452
453	36"	84"	1 3/4"	E	SCWD		9	AL		01			453
454	36"	84"	1 3/4"	E	SCWD		9	AL		01			454
455	36"	84"	1 3/4"	E	SCWD		9	AL		01			455
456	36"	84"	1 3/4"	E	SCWD		9	AL		01			456
457A	36"	84"	1 3/4"	E	SCWD		5	AL		04			457A
457B	36"	84"	1 3/4"	F	SCWD		406	AL		18	60 MIN.		457B
458	36"	84"	1 3/4"	E	SCWD		1	HM		25			458
459	36"	84"	1 3/4"	E	SCWD		1	HM		25			459
460	36"	84"	1 3/4"	E	SCWD		1	HM		04			460
461	36"	84"	1 3/4"	E	SCWD		403	AL		05			461
462	36"	84"	1 3/4"	E	SCWD		9	AL		01			462
463	36"	84"	1 3/4"	E	SCWD		9	AL		01			463
464A	36"	84"	1 3/4"	E	SCWD		12	AL		17			464A
464B	36"	84"	1 3/4"	E	SCWD		12	AL		17			464B
465	36"	84"	1 3/4"	E	SCWD		6	AL		12		ACCESS CONTROL	465
469A	36"	84"	1 3/4"	E	SCWD		402	AL		04			469A
469B	36"	84"	1 3/4"	E	SCWD		9	AL		04			469B
470A	36"	84"	1 3/4"	E	SCWD		405	AL		04			470A
470B	36"	84"	1 3/4"	E	SCWD		405	AL		04			470B
471A	36"	84"	1 3/4"	E	SCWD		405	AL		04			471A
471B	36"	84"	1 3/4"	E	SCWD		405	AL		04			471B
472	72"	84"	1 3/4"	F	SCWD		404	AL		18	60 MIN.		472
474A	72"	96"	1 3/4"	B	AL		407	AL		37			474A
474B	72"	96"	1 3/4"	B	AL		407	AL		37			474B
475A	36"	84"	1 3/4"	E	SCWD		405	AL		04			475A
475B	36"	84"	1 3/4"	E	SCWD		405	AL		04			475B
476A	36"	84"	1 3/4"	E	SCWD		405	AL		04			476A
476B	36"	84"	1 3/4"	E	SCWD		405	AL		04			476B
477A	36"	84"	1 3/4"	E	SCWD		405	AL		04			477A
477B	36"	84"	1 3/4"	E	SCWD		405	AL		04			477B
478	36"	84"	1 3/4"	E	SCWD		9	AL		03			478
479	36"	84"	1 3/4"	E	SCWD		9	AL		03			479
480	36"	84"	1 3/4"	E	SCWD		11	AL		03			480
481	36"	84"	1 3/4"	E	SCWD		9	AL		03			481
482	36"	84"	1 3/4"	E	SCWD		9	AL		03			482
487	36"	84"	1 3/4"	E	SCWD		11	AL		03			487
488	36"	84"	1 3/4"	E	SCWD		5	AL		03			488
489	36"	84"	1 3/4"	E	SCWD		9	AL		03			489
490	36"	84"	1 3/4"	E	SCWD		5	AL		03			490
491	36"	84"	1 3/4"	E	SCWD		11	AL		03			491
493	36"	84"	1 3/4"	E	SCWD		1	HM		03			493
501	36"	84"	1 3/4"	E1	SCWD		1	HM		21	90 MIN.	DELAYED EGRESS	501
502	36"	84"	1 3/4"	E1	SCWD		1	HM		08	90 MIN.		502
504	36"	84"	1 3/4"	D	MTL		1	HM		07		ACCESS CONTROL	504
506	36"	84"	1 3/4"	E	SCWD		1	HM		06			506
507	36"	84"	1 3/4"	E	SCWD		1	HM		06			507
508	36"	84"	1 3/4"	1	SCWD		1	HM		21	90 MIN.	DELAYED EGRESS	508
510	36"	84"	1 3/4"	E	SCWD		1	HM		05			510
511	36"	84"	1 3/4"	D	MTL		1	HM		06			511
512	36"	84"	1 3/4"	E	SCWD		1	HM		05			512
513	36"	84"	1 3/4"	E	SCWD		1	HM		06			513

DOOR AND FRAME SCHEDULE

DOOR NUMBER	DOOR						FRAME			HARDWARE GROUP	LABEL (MIN.)	NOTES	DOOR NUMBER
	SIZE: WIDTH	HEIGHT	THICK	ELEV. TYPE	MATERIAL	FINISH/FACING	ELEV. TYPE	MATERIAL	FINISH/FACING				
514	36"	84"	1 3/4"	D	MTL		1	HM		07		ACCESS CONTROL	514
516	36"	84"	1 3/4"	E	SCWD		5	AL		01			516
517	36"	84"	1 3/4"	E	SCWD		5	AL		01			517
518	36"	84"	1 3/4"	E	SCWD		5	AL		01			518
519	36"	84"	1 3/4"	E	SCWD		5	AL		01			519
520	36"	84"	1 3/4"	E	SCWD		5	AL		01			520
521	36"	84"	1 3/4"	E	SCWD		5	AL		01			521
523	36"	84"	1 3/4"	E	SCWD		9	AL		07		ACCESS CONTROL	523
523B	36"	84"	1 3/4"	E	SCWD		1	HM		04			523B
524	36"	84"	1 3/4"	E	SCWD		5	AL		03			524
525A	36"	84"	1 3/4"	E	SCWD		5	AL		03			525A
525B	114"	108"	1 3/4"	H	VINYL		-	STL		18			525B
526	36"	84"	1 3/4"	E	SCWD		5	AL		03			526
527A	36"	84"	1 3/4"	E	SCWD		5	AL		03			527A
527B	114"	108"	1 3/4"	H	VINYL		-	STL		18			527B
528	36"	84"	1 3/4"	E	SCWD		1	HM		01			528
529	36"	84"	1 3/4"	E	SCWD		9	AL		01			529
530	36"	84"	1 3/4"	E	SCWD		9	AL		01			530
531	36"	84"	1 3/4"	E	SCWD		6	AL		01			531
535A	36"	84"	1 3/4"	E	SCWD		501	AL		04			535A
535B	36"	84"	1 3/4"	E	SCWD		501	AL		04			535B
536A	200"	144"	3"	G	STL		-	STL		-			536A
536B	36"	84"	1 3/4"	E	SCWD		1	HM		13			536B
537A	42"	84"	1 3/4"	E	SCWD		1	HM		13			537A
537B	72"	84"	1 3/4"	E	SCWD		502	AL		33			537B
538	42"	84"	1 3/4"	E	SCWD		1	HM		06			538
539A	36"	84"	1 3/4"	E	SCWD		1	HM		04			539A
539B	36"	84"	1 3/4"	E	SCWD		1	HM		04			539B
540	36"	84"	1 3/4"	E	SCWD		6	AL		12		ACCESS CONTROL	540
541	36"	84"	1 3/4"	E	SCWD		1	HM		03			541
541A	36"	84"	1 3/4"	E	SCWD		1	HM		03			541A
542A	36"	84"	1 3/4"	E	SCWD		1	HM		03			542A
542B	36"	84"	1 3/4"	E	SCWD		1	HM		03			542B
543	36"	84"	1 3/4"	E	SCWD		6	AL		03			543
544A	36"	84"	1 3/4"	E	SCWD		6	AL		04			544A
544B	36"	84"	1 3/4"	E	SCWD		1	HM		40			544B
545	36"	84"	1 3/4"	E	SCWD		9	AL		01			545
546	36"	84"	1 3/4"	E	SCWD		9	AL		01			546
547	36"	84"	1 3/4"	E	SCWD		9	AL		01			547
550A	36"	84"	1 3/4"	E	SCWD		510	AL		04			550A
550B	36"	84"	1 3/4"	E	SCWD		510	AL		04			550B
551	72"	84"	1 3/4"	E	SCWD		503	AL		39		ACCESS CONTROL	551
552	36"	84"	1 3/4"	E	SCWD		1	HM		06			552
552A	36"	84"	1 3/4"	E	SCWD		1	HM		04			552A
553	42"	84"	1 3/4"	E	SCWD		1	HM		04			553
554	36"	84"	1 3/4"	E	SCWD		11	AL		01			554
555	36"	84"	1 3/4"	E	SCWD		11	AL		01			555
556	36"	84"	1 3/4"	E	SCWD		6	AL		01			556
557	36"	84"	1 3/4"	E	SCWD		6	AL		13			557
557A	36"	84"	1 3/4"	E	SCWD		6	AL		13			557A
558	36"	84"	1 3/4"	E	SCWD		507	AL		10			558
559	36"	84"	1 3/4"	E	SCWD		11	AL		01			559
560	36"	84"	1 3/4"	E	SCWD		11	AL		01			560
561	36"	84"	1 3/4"	E	SCWD		9	AL		01			561
562	36"	84"	1 3/4"	E	SCWD		11	AL		01			562
563	36"	84"	1 3/4"	E	SCWD		11	AL		01			563
564	36"	84"	1 3/4"	E	SCWD		12	AL		01			564
565	36"	84"	1 3/4"	E	SCWD		11	AL		01			565
566	36"	84"	1 3/4"	E	SCWD		11	AL		01			566
567	36"	84"	1 3/4"	E	SCWD		9	AL		01			567
568A	36"	84"	1 3/4"	E	SCWD		506	AL		04			568A
568B	36"	84"	1 3/4"	E	SCWD		511	AL		04			568B
568C	36"	84"	1 3/4"	E	SCWD		1	HM		04			568C
569A	36"	84"	1 3/4"	E	SCWD		1	HM		24			569A
570A	36"	84"	1 3/4"	E	SCWD		1	HM		04			570A
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574	36"	84"	1 3/4"	E	SCWD		11	AL		01			574
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576	36"	84"	1 3/4"	E	SCWD		11	AL		01			576
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585	36"	84"	1 3/4"	E	SCWD		9	AL		01			585
588	36"	84"	1 3/4"	E	SCWD		9	AL		04			588
588A	36"	84"	1 3/4"	E	SCWD		1	HM		25			588A
590	72"	96"	1 3/4"	E	SCWD		2	HM		39		ACCESS CONTROL	590
590A	36"	84"	1 3/4"	E	SCWD		1	HM		07			590A
591	36"	84"	1 3/4"	E	SCWD		7	AL		01			591
592	36"	84"	1 3/4"	E	SCWD		7	AL		01			592
593	36"	84"	1 3/4"	E	SCWD		9	AL		01			593
594	36"	84"	1 3/4"	E	SCWD		9	AL		01			594
595	36"	84"	1 3/4"	E	SCWD		9	AL		01			595
596	36"	84"	1 3/4"	E	SCWD		9	AL		01			596
597A	36"	84"	1 3/4"	E	SCWD		1	HM		13			597A
597C	36"	84"	1 3/4"	E	SCWD		505	AL		39A		ACCESS CONTROL	597C
598	72"	96"	1 3/4"	E	SCWD		2	HM		39	90 MIN.	ACCESS CONTROL	598
598A	36"	84"	1 3/4"	E	SCWD		1	HM		07	90 MIN.	ACCESS CONTROL	598A
598B	72"	96"	1 3/4"	E	SCWD		2	HM		14			598B
599	42"	84"	1 3/4"	E	SCWD		1	HM		06			599
600	36"	84"	1 3/4"	D	MTL		1	HM		09			600
601A	36"	84"	1 3/4"	D	MTL		1	HM		41			601A
601B	72"	84"	1 3/4"	D1	MTL		2	HM		16	90 MIN.		601B
601C	36"	84"	1 3/4"	D	MTL		1	HM		09			601C
601D	36"	84"	1 3/4"	D	MTL		1	HM		09			601D
602	36"	84"	1 3/4"	D1	MTL		1	HM		08	90 MIN.		602

DOOR & FRAME NOTES

1) MATERIAL ABBREVIATIONS:
   - SCWD - SOLID CORE WOOD DOOR
   - AL - ALUMINUM
   - HM - HOLLOW METAL
   - PT - PAINTED
   - ST - STAINED
   - CL - CLEAR ANODIZED
   - F - FABRIC

2) ALL HOLLOW METAL DOOR AND WINDOW FRAMES ARE TO HAVE A SINGLE RABBET PROFILE EXCEPT AT DOOR 116A.

3) SEE SPECIFICATION FOR HARDWARE GROUP DEFINITION

4) ALL HOLLOW METAL FRAMES OPENING TO THE EXTERIOR ARE TO BE 14 GAUGE AND GALVANIZED

5) ALL HOLLOW METAL DOORS OPENING TO THE EXTERIOR ARE TO BE 14 GAUGE, INSULATED AND GALVANIZED

6) OVERALL ALUMINUM FRAME DIMENSIONS ARE GIVEN FOR REFERENCE, REFER TO DETAILS FOR JAMB AND SILL CONDITIONS. OVERALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO FABRICATION.

7) PROVIDE TEMPERED GLAZING AS REQUIRED BY IBC 2009.

8) DOOR THRESHOLDS ARE NOT TO BE INSTALLED UNTIL DOOR HAS BEED CLOSED TO CONSTRUCTION ACCESS.

9) WHERE A DOOR IS SHOWN ON THE FLOORS PLANS BUT IS NOT NUMBERED AND/OR DOES NOT APPEAR IN THE DOOR SCHEDULE, THE FOLLOWING DOOR, FRAME AND HARDWARE ARE TO BE BID FOR THIS OPENING: WD DOOR TYPE E, HM FRAME TYPE 1, HARDWARE TYPE 01.

10) CONTRACTOR TO PROVIDE FLOOR STOPS AT LOCATIONS DOOR WILL SWING INTO A GLASS RAIL OR GLASS IN STOREFRONTS.

11) EXTERIOR STOREFRONT SYSTEM TO HAVE THERMAL SPRAYED INSULATION APPLIED INSIDE THE FRAME PERIMETER.

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DOOR SCHEDULES

A610
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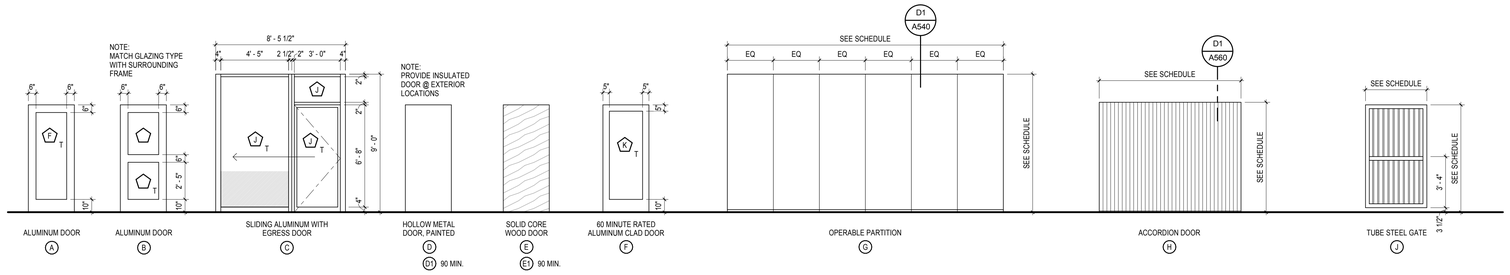
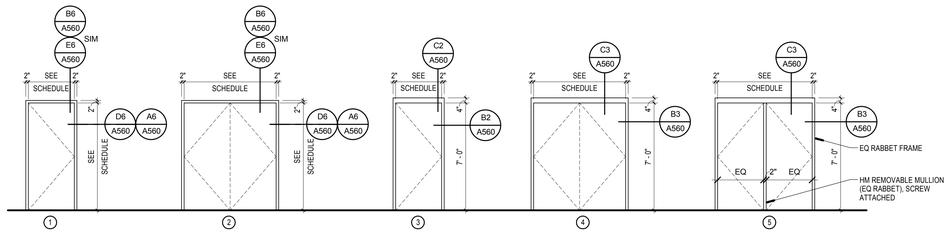


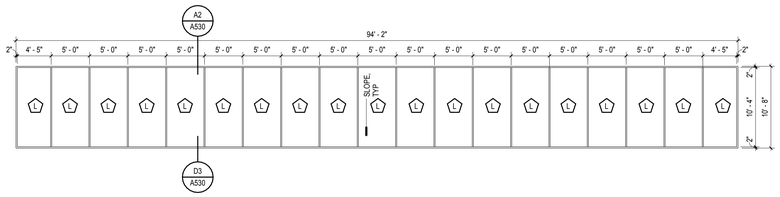
E1 DOOR ELEVATIONS

SCALE: 1/4" = 1'-0"



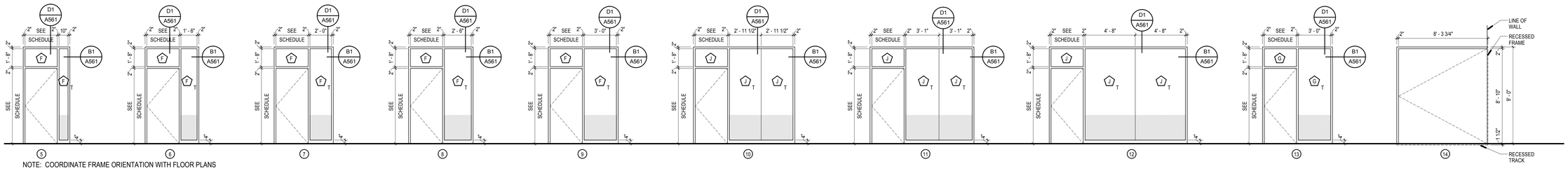
D1 HOLLOW METAL DOOR FRAMES

SCALE: 1/4" = 1'-0"



D3 SKYLIGHT PLAN

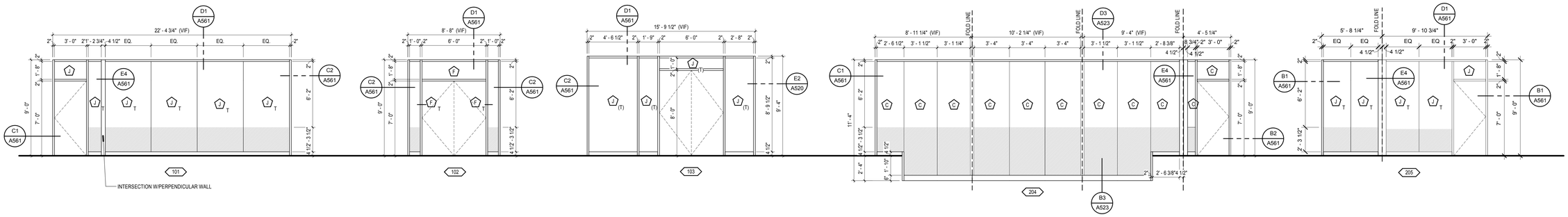
SCALE: 1/8" = 1'-0"

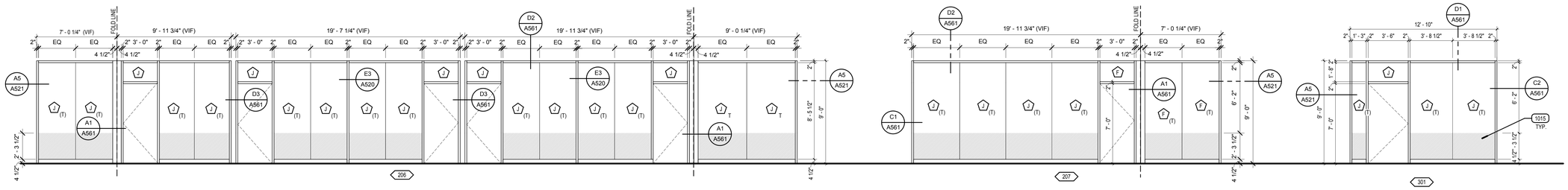


NOTE: COORDINATE FRAME ORIENTATION WITH FLOOR PLANS

B1 ALUMINUM STOREFRONT FRAMES - TYPICAL

SCALE: 1/4" = 1'-0"





A1 ALUMINUM STOREFRONT DOOR FRAMES - INTERIOR

SCALE: 1/4" = 1'-0"

KEYED NOTES

1015 VINYL GRAPHIC SIGNAGE

GLAZING TYPE LEGEND

MARK	DESCRIPTION
A	1" CLEAR INSULATED , LOW-E
B	1" SEMI-OPAQUE INSULATED, LOW-E
C	3/4" CLEAR LAMINATED GLASS
C1	3/4" CLEAR LAMINATED GLASS WITH ACID ETCHED FINISH
D	1" CLEAR INSULATED, (INTERIOR)
D1	1" CLEAR INSULATED, WITH ACID ETCHED FINISH 2ND FACE (INTERIOR)
E	1" INSULATED WHITE SPANDREL
E1	1/4" WHITE SPANDREL
F	1/4" CLEAR FLOAT GLASS
F1	1/4" CLEAR FLOAT GLASS WITH ACID ETCHED FINISH
G	1/4" ONE WAY MIRRORED GLASS
H	3/8" CLEAR GLASS WITH BEVEL EDGE AT EXPOSED SIDES
J	1/2" CLEAR GLASS WITH BEVEL EDGE AT EXPOSED SIDES
J1	1/2" CLEAR GLASS, WITH ACID ETCHED FINISH WITH BEVEL EDGE AT EXPOSED SIDES
K	1 1/8" CLEAR 60 MINUTE FIRE RATED GLASS
L	INSULATED TRANSLUCENT PANEL SYSTEM
T	"T" INDICATES TEMPERED GLASS

GENERAL NOTES:

1. WINDOW TYPE QUANTITIES PROVIDED FOR CONVENIENCE, THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE QUANTITIES OF EACH WINDOW TYPE.
2. CONTRACTOR TO FIELD VERIFY ALL OPENINGS PRIOR TO FABRICATING UNITS.
3. FRAME DIMENSIONS ARE TYPICALLY TO THE ROUGH OPENINGS.
4. ALL EXTERIOR CURTAIN WALL FRAMES TO HAVE DEEP 3" CAP AT THE PERIMETER AND AT VERTICAL LOUVERS. DEEP 3" CAPS ARE ALSO ALTERNATING EVERY OTHER VERTICAL WITH A STANDARD CAP AND BUTT GLAZED JOINT UNLESS NOTED OTHERWISE.
5. PROVIDE DEEP CAPS AROUND DOOR OPENINGS AT ALL EXTERIOR CURTAIN WALLS.

INDICATES APPLIED VINYL GRAPHIC SIGNAGE ON GLASS BY DIVISION 10 ON INTERIOR GLASS

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DOOR FRAME ELEVATIONS

A611

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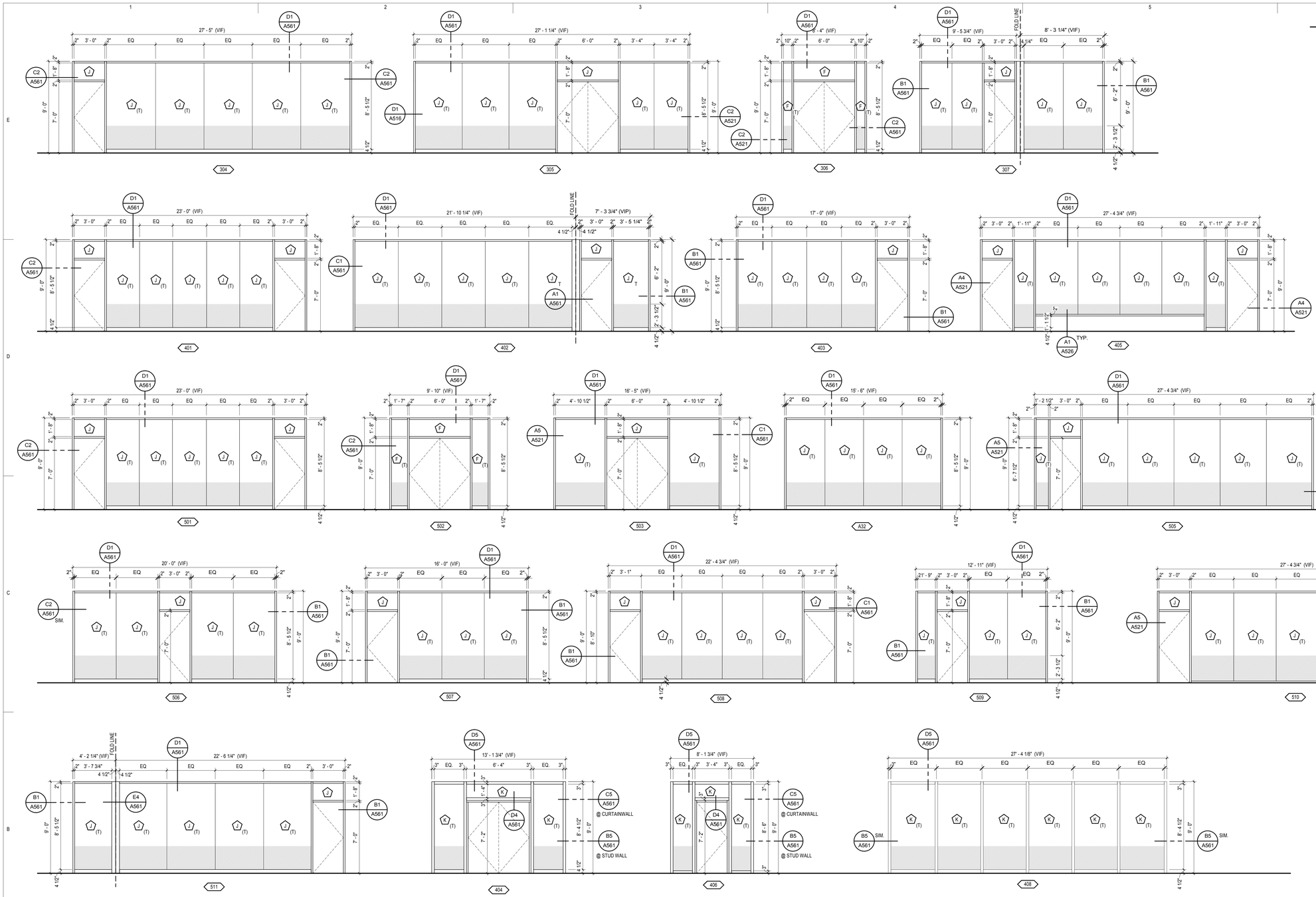

GLAZING TYPE LEGEND

MARK	DESCRIPTION
A	1" CLEAR INSULATED , LOW-E
B	1" SEMI-OPAQUE INSULATED, LOW-E
C	3/4" CLEAR LAMINATED GLASS
C1	3/4" CLEAR LAMINATED GLASS WITH ACID ETCHED FINISH
D	1" CLEAR INSULATED, (INTERIOR)
D1	1" CLEAR INSULATED, WITH ACID ETCHED FINISH 2ND FACE (INTERIOR)
E	1" INSULATED WHITE SPANDREL
E1	1/4" WHITE SPANDREL
F	1/4" CLEAR FLOAT GLASS
F1	1/4" CLEAR FLOAT GLASS WITH ACID ETCHED FINISH
G	1/4" ONE WAY MIRRORED GLASS
H	3/8" CLEAR GLASS WITH BEVEL EDGE AT EXPOSED SIDES
J	1/2" CLEAR GLASS WITH BEVEL EDGE AT EXPOSED SIDES
J1	1/2" CLEAR GLASS, WITH ACID ETCHED FINISH WITH BEVEL EDGE AT EXPOSED SIDES
K	1 1/8" CLEAR 60 MINUTE FIRE RATED GLASS
L	INSULATED TRANSLUCENT PANEL SYSTEM
#T	'T' INDICATES TEMPERED GLASS

GENERAL NOTES:

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2. CONTRACTOR TO FIELD VERIFY ALL OPENINGS PRIOR TO FABRICATING UNITS.
3. FRAME DIMENSIONS ARE TYPICALLY TO THE ROUGH OPENINGS.
4. ALL EXTERIOR CURTAIN WALL FRAMES TO HAVE DEEP 3" CAP AT THE PERIMETER AND AT VERTICAL LOUVERS. DEEP 3" CAPS ARE ALSO ALTERNATING EVERY OTHER VERTICAL WITH A STANDARD CAP AND BUTT GLAZED JOINT UNLESS NOTED OTHERWISE.
5. PROVIDE DEEP CAPS AROUND DOOR OPENINGS AT ALL EXTERIOR CURTAIN WALLS.

INDICATES APPLIED VINYL GRAPHIC SIGNAGE ON GLASS BY DIVISION 10 ON INTERIOR GLASS

B1 ALUM. STOREFRONT DOOR FRAMES - INTERIOR

SCALE: 1/4" = 1'-0"

B2 60 MINUTE RATED ALUMINUM CLAD FRAMES

SCALE: 1/4" = 1'-0"

A1 ALUMINUM STOREFRONT DOOR FRAMES - EXTERIOR

SCALE: 1/4" = 1'-0"

A5 ALUM DOOR FRAME 248

SCALE: 1/4" = 1'-0"

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DOOR FRAME ELEVATIONS

A612

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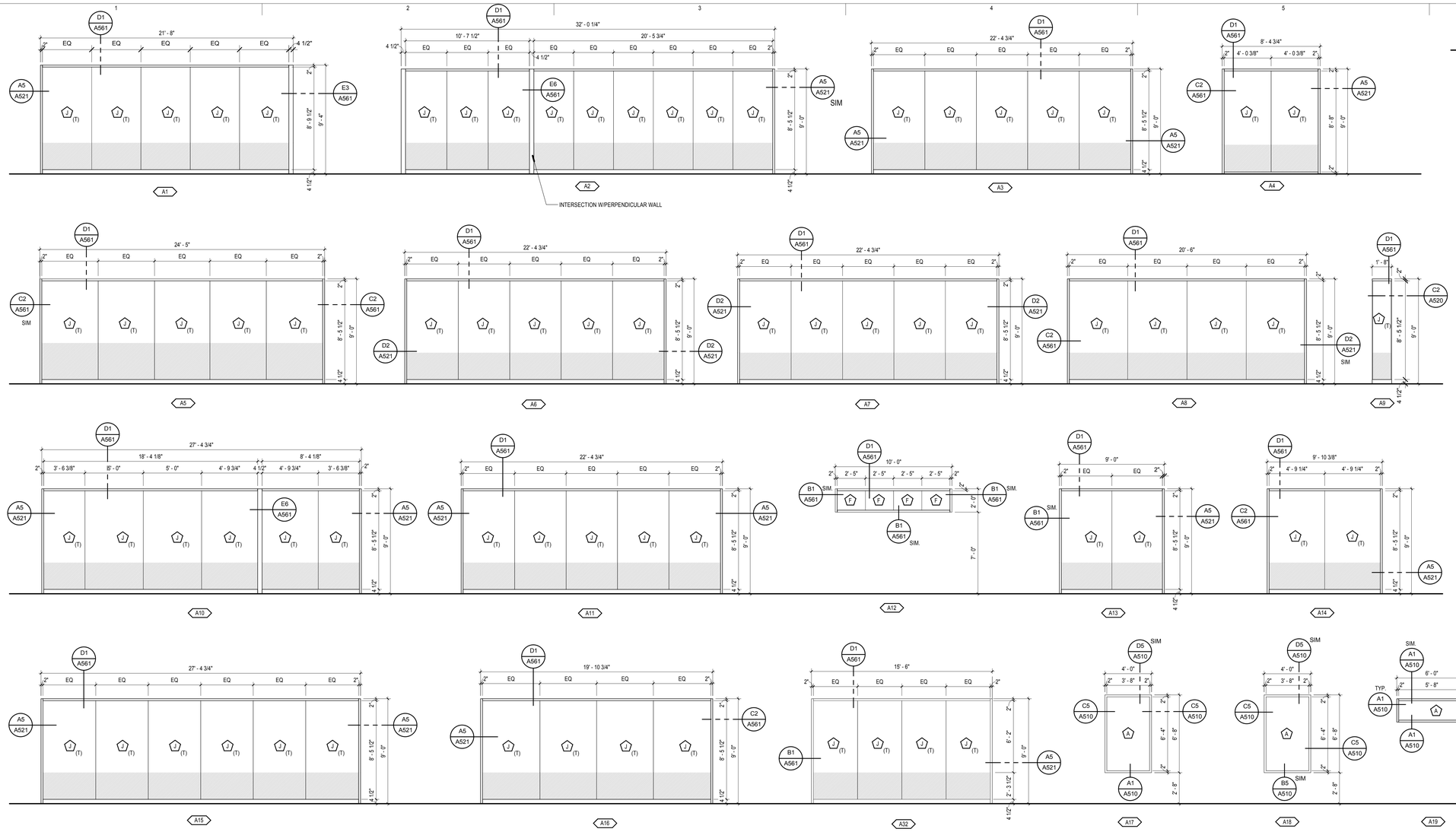
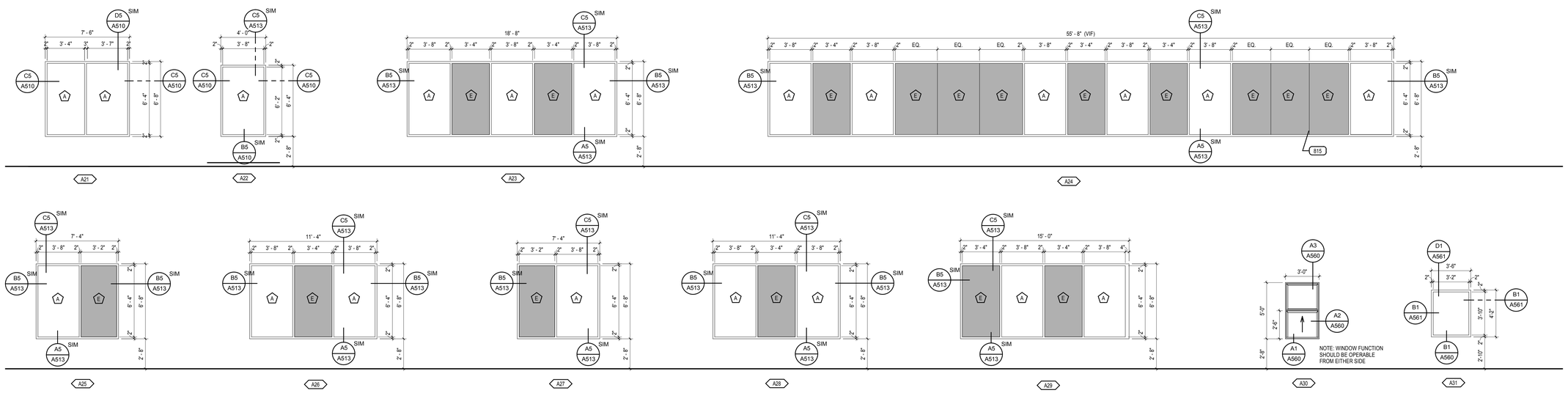


C1 ALUMINUM STOREFRONT WINDOWS - INTERIOR

SCALE: 1/4" = 1'-0"

C4 ALUMINUM STOREFRONTWINDOWS - EXTERIOR

SCALE: 1/4" = 1'-0"



A1 ALUMINUM STOREFRONT WINDOWS - EXTERIOR

SCALE: 1/4" = 1'-0"

A5 ALUMINUM INTERIOR WINDOWS

SCALE: 1/4" = 1'-0"

GLAZING TYPE LEGEND

MARK	DESCRIPTION
A	1" CLEAR INSULATED , LOW-E
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F	1/4" CLEAR FLOAT GLASS
F1	1/4" CLEAR FLOAT GLASS WITH ACID ETCHED FINISH
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L	INSULATED TRANSLUCENT PANEL SYSTEM
# T	'T' INDICATES TEMPERED GLASS

GENERAL NOTES:

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3. FRAME DIMENSIONS ARE TYPICALLY TO THE ROUGH OPENINGS.
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WINDOW ELEVATIONS

A620

Sheet Number

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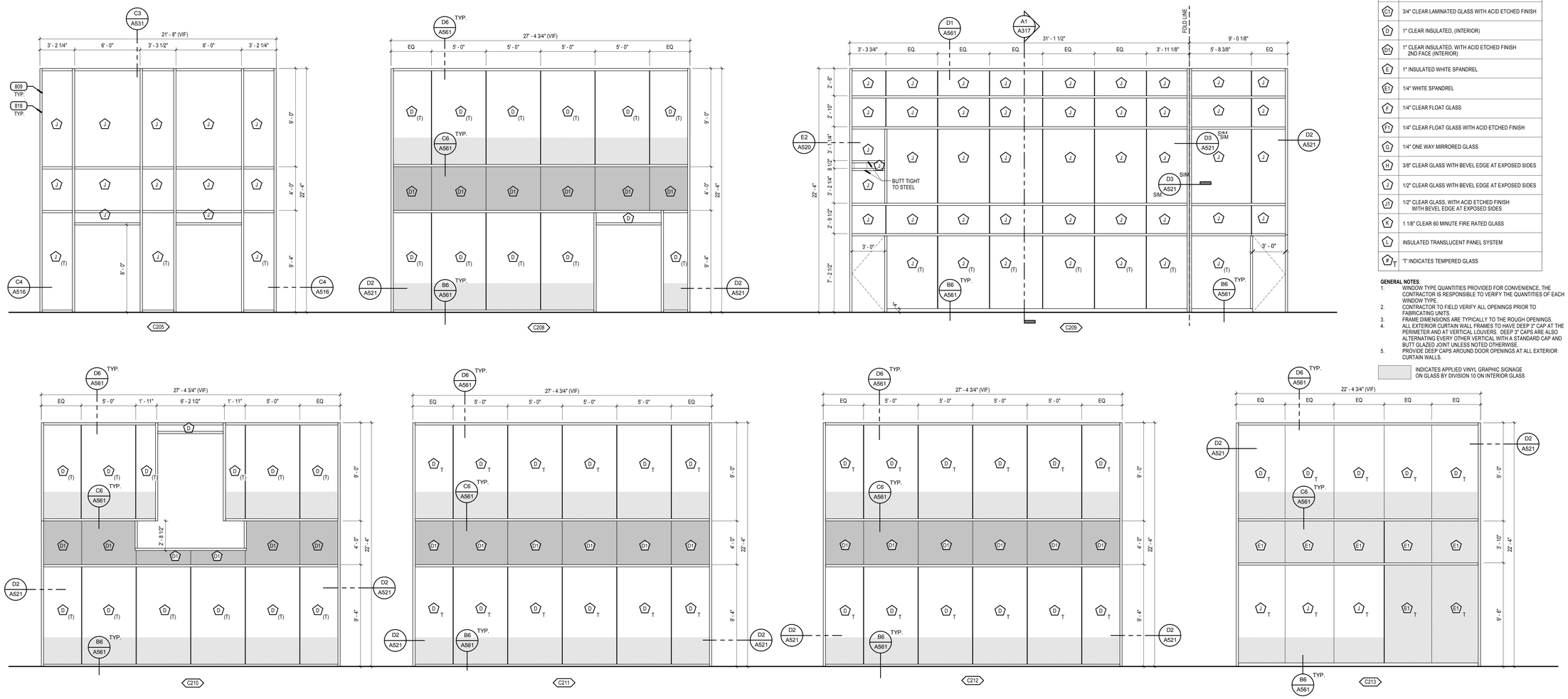
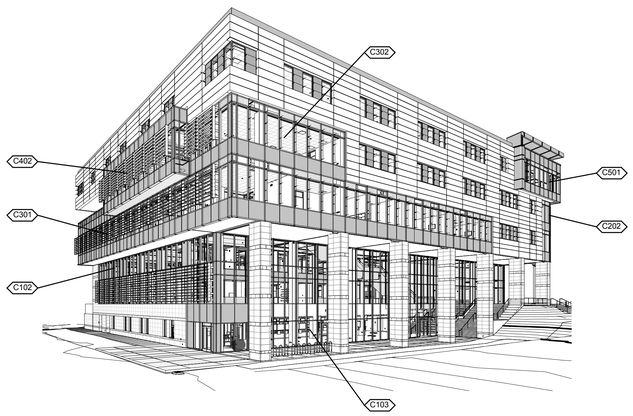


B1 CURTAINWALL ELEVATIONS - INTERIOR

SCALE: 1/4" = 1'-0"



A1 EXTERIOR CURTAINWALL LOCATIONS

SCALE:

GLAZING TYPE LEGEND

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B	1" SEMI-OPAQUE INSULATED, LOW-E
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CURTAINWALL ELEVATIONS

A622

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KEYED NOTES

815 GLASS BUTT JOINT WITH SEALANT
818 STANDARD CURTIAN WALL CAP JOINT
819 DEEP CURTIAN WALL CAP JOINT
1038 BOOK & MEDIA RETURN
2108 WINDOW SPRINKLER HEADS, INSTALL PER ICC ESR-2397

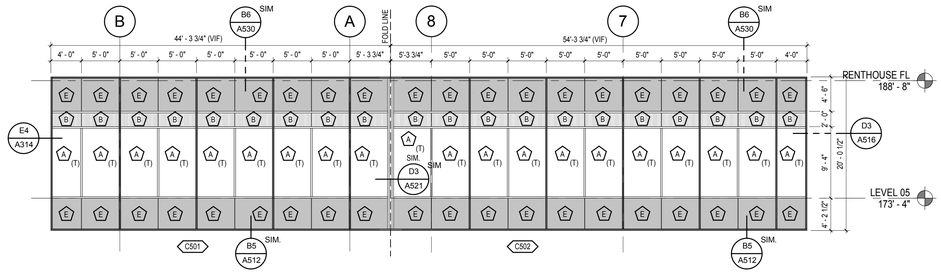
GLAZING TYPE LEGEND

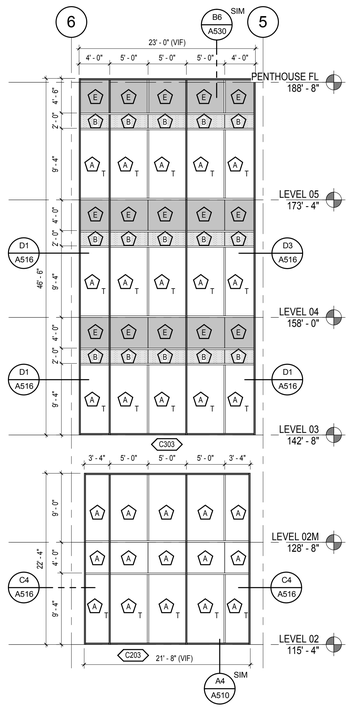
MARK	DESCRIPTION
A	1" CLEAR INSULATED , LOW-E
B	1" SEMI-OPAQUE INSULATED, LOW-E
C	3/4" CLEAR LAMINATED GLASS
C1	3/4" CLEAR LAMINATED GLASS WITH ACID ETCHED FINISH
D	1" CLEAR INSULATED, (INTERIOR)
D1	1" CLEAR INSULATED, WITH ACID ETCHED FINISH 2ND FACE (INTERIOR)
E	1" INSULATED WHITE SPANDREL
E1	1/4" WHITE SPANDREL
F	1/4" CLEAR FLOAT GLASS
F1	1/4" CLEAR FLOAT GLASS WITH ACID ETCHED FINISH
G	1/4" ONE WAY MIRRORED GLASS
H	3/8" CLEAR GLASS WITH BEVEL EDGE AT EXPOSED SIDES
J	1/2" CLEAR GLASS WITH BEVEL EDGE AT EXPOSED SIDES
J1	1/2" CLEAR GLASS, WITH ACID ETCHED FINISH WITH BEVEL EDGE AT EXPOSED SIDES
K	1 1/8" CLEAR 60 MINUTE FIRE RATED GLASS
L	INSULATED TRANSLUCENT PANEL SYSTEM
#T	'T' INDICATES TEMPERED GLASS

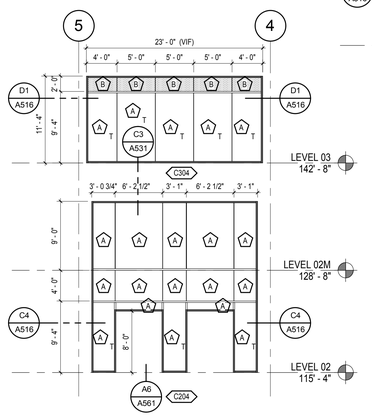
GENERAL NOTES:

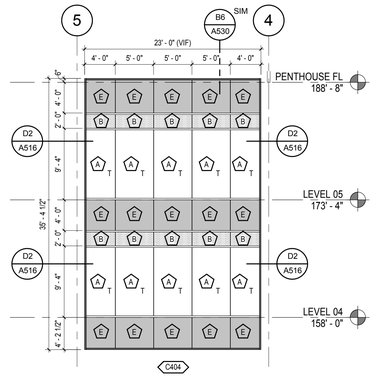
1. WINDOW TYPE QUANTITIES PROVIDED FOR CONVENIENCE, THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE QUANTITIES OF EACH WINDOW TYPE.
2. CONTRACTOR TO FIELD VERIFY ALL OPENINGS PRIOR TO FABRICATING UNITS.
3. FRAME DIMENSIONS ARE TYPICALLY TO THE ROUGH OPENINGS.
4. ALL EXTERIOR CURTAIN WALL FRAMES TO HAVE DEEP 3" CAP AT THE PERIMETER AND AT VERTICAL LOUVERS. DEEP 3" CAPS ARE ALSO ALTERNATING EVERY OTHER VERTICAL WITH A STANDARD CAP AND BUTT GLAZED JOINT UNLESS NOTED OTHERWISE.
5. PROVIDE DEEP CAPS AROUND DOOR OPENINGS AT ALL EXTERIOR CURTAIN WALLS.

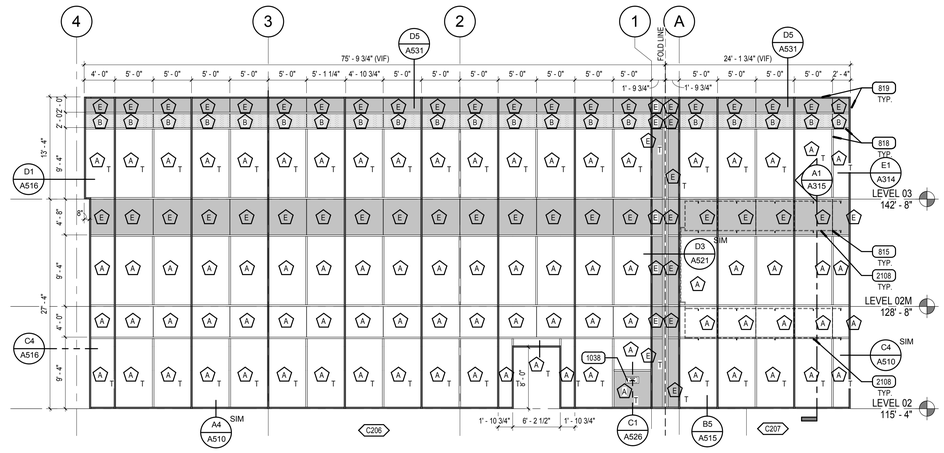
INDICATES APPLIED VINYL GRAPHIC SIGNAGE ON GLASS BY DIVISION 10 ON INTERIOR GLASS

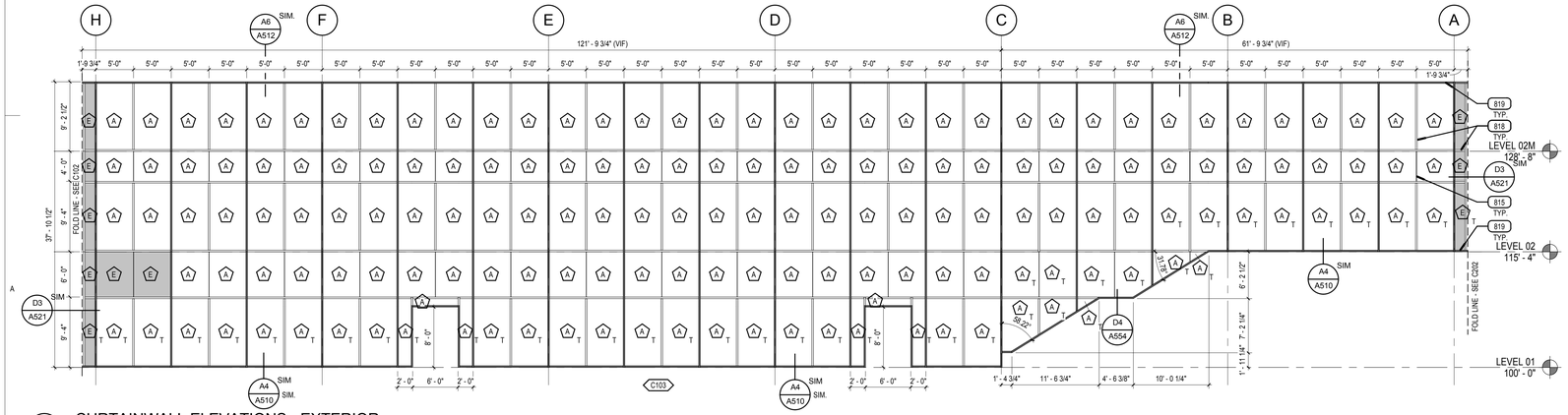


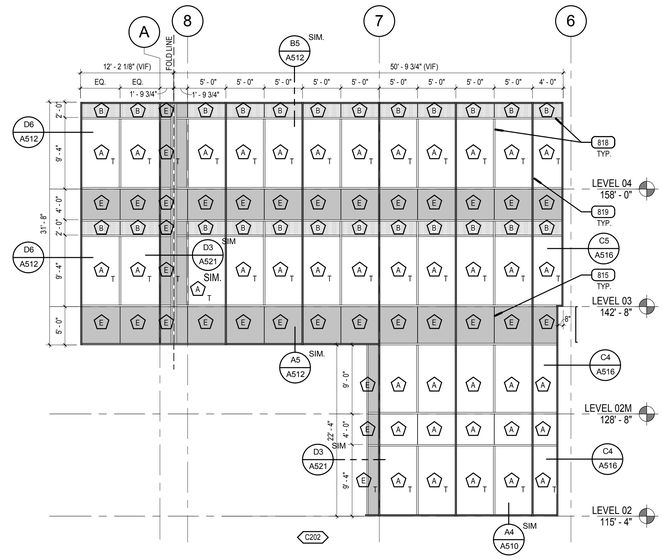












A1 CURTAINWALL ELEVATIONS - EXTERIOR

SCALE: 1/8" = 1'-0"

12/6/2010 4:49:57 PM

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
No. 132584
LICENSED ARCHITECT

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524 SOUTH 600 EAST
SALT LAKE CITY, UTAH 84102
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #062976 40
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

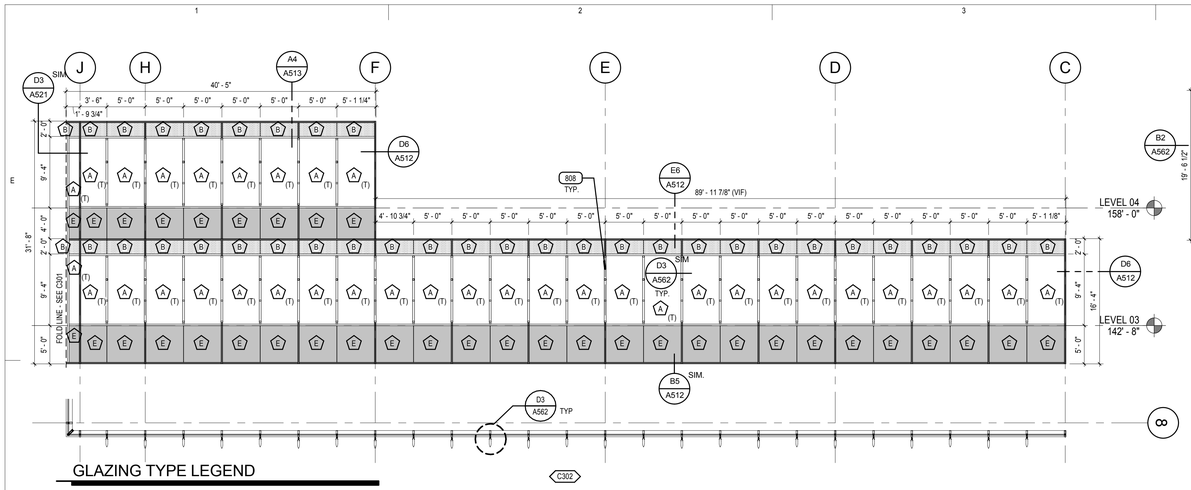
No.	Description	Date

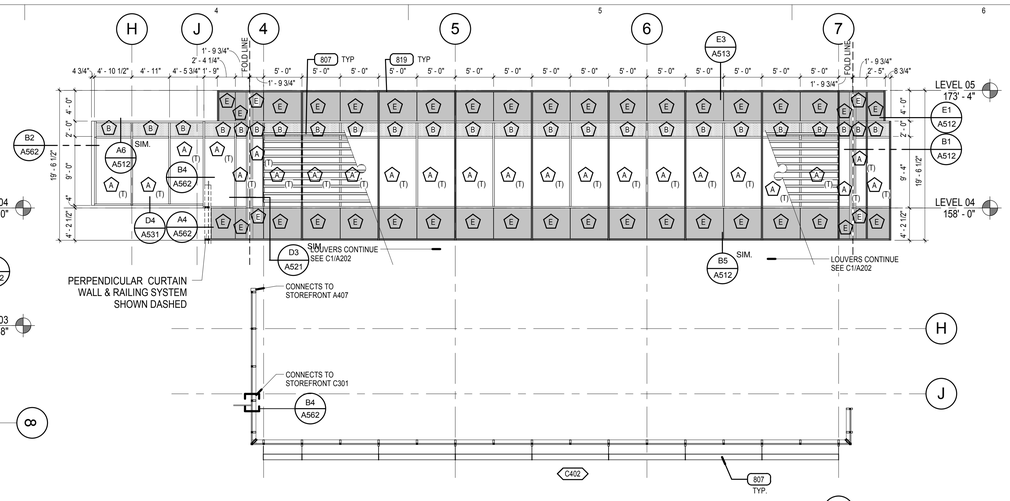
Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

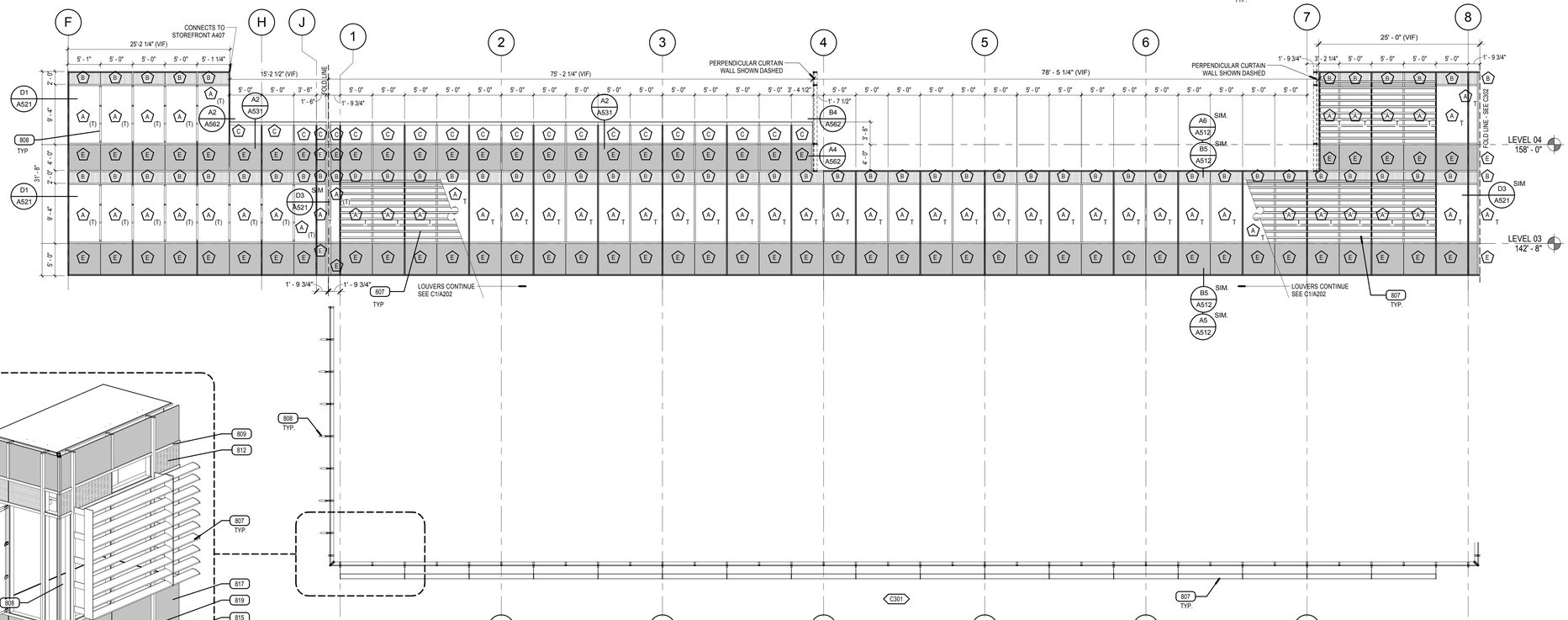
CURTAINWALL ELEVATIONS

A623

Sheet Number







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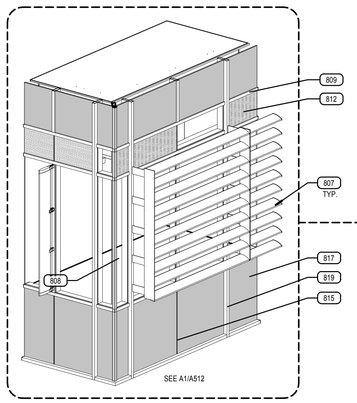
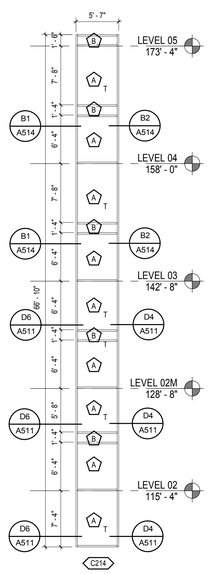
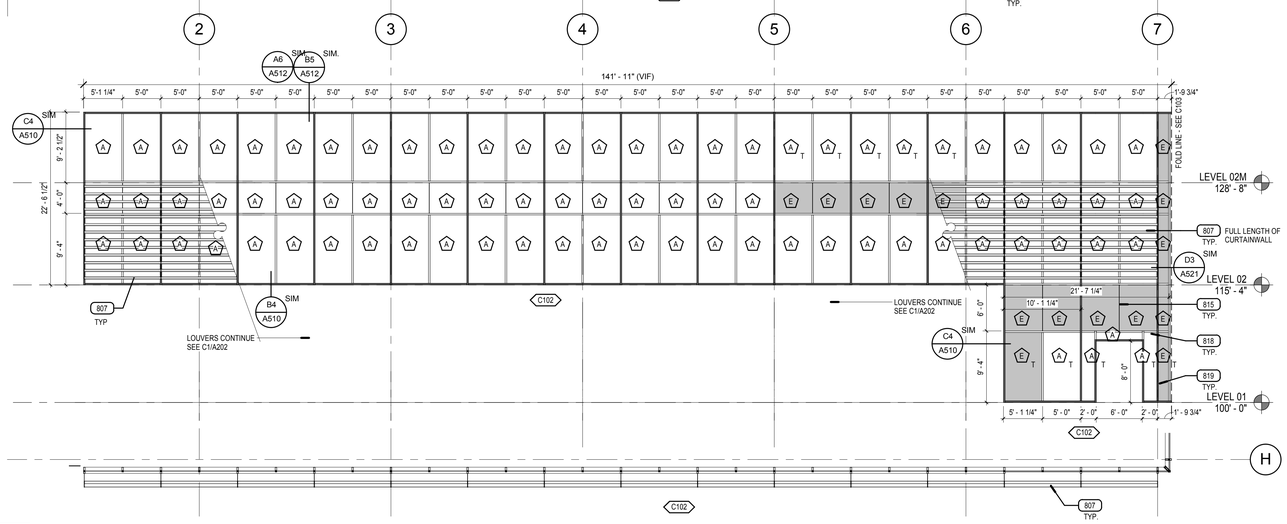




KEYED NOTES

807 HORIZONTAL LOUVER SYSTEM, SEE SHEET A562
808 VERTICAL LOUVER SYSTEM, SEE SHEET A562
809 CURTAIN WALL SYSTEM
812 SEMI-OPAQUE ETCHED GLAZING
815 GLASS BUTT JOINT WITH SEALANT
817 WHITE SPANDREL GLAZING
818 STANDARD CURTIAN WALL CAP JOINT
819 DEEP CURTIAN WALL CAP JOINT



A1 CURTAINWALL ELEVATIONS AND SUN SHADE PLANS - EXTERIOR

SCALE: 1/8" = 1'-0"

12/6/2010 4:50:30 PM

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

CURTAINWALL ELEVATIONS

A624

Sheet Number

SIGNAGE SCHEDULE LEVEL 01

Mark	Arch. Room Number	Sign Type	Blank Back	Sign Room Number	Sign Text	Sign Notes
1.1	125	H	No		MAX OCCUPANCY ###	
1.2	106	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
1.3	103	J	No		ELEVATOR	
1.4		R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
1.5	122	D	No		WOMENS	
1.6	124	E	No		MENS	
1.7	124	E	No		MENS	
1.8	124	S	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
1.9	122	S	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
1.10	122	D	No		WOMENS	
1.11	120	R	No	OWNER PROVIDED	STORAGE	
1.12	116	R	No	OWNER PROVIDED	MECHANICAL ROOM	
1.13	182	R	Yes	OWNER PROVIDED	ADMISSIONS	
1.14	181	R	Yes	OWNER PROVIDED	WELCOME ROOM	
1.15	160	R	Yes	OWNER PROVIDED		
1.16	163	R	Yes	OWNER PROVIDED	WORK ROOM	
1.17	184	B	Yes	OWNER PROVIDED	OFFICE	
1.18	186	B	Yes	OWNER PROVIDED	OFFICE	
1.19	188	B	Yes	OWNER PROVIDED	OFFICE	
1.20	194	B	Yes	OWNER PROVIDED	OFFICE	
1.21	192	B	Yes	OWNER PROVIDED	OFFICE	
1.22	190	R	Yes	OWNER PROVIDED	RECRUITMENT	
1.23	181	R	No	OWNER PROVIDED		
1.24	183	B	Yes	OWNER PROVIDED	OFFICE	
1.25	185	B	Yes	OWNER PROVIDED	OFFICE	
1.26	187	B	Yes	OWNER PROVIDED	OFFICE	
1.27	189	B	Yes	OWNER PROVIDED	OFFICE	
1.28	191	B	Yes	OWNER PROVIDED	OFFICE	
1.29	193	B	Yes	OWNER PROVIDED	OFFICE	
1.30	116	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
1.31	195	R	Yes	OWNER PROVIDED	OPEN OFFICE	
1.32	196	B	Yes	OWNER PROVIDED	OFFICE	
1.33	198	B	Yes	OWNER PROVIDED	OFFICE	
1.34	175	B	Yes	OWNER PROVIDED	OFFICE	
1.35	177	B	Yes	OWNER PROVIDED	OFFICE	
1.36	169	B	Yes	OWNER PROVIDED	OFFICE	
1.37	167	R	Yes	OWNER PROVIDED	OFFICE	
1.38	165	B	Yes	OWNER PROVIDED	OFFICE	
1.40	151	R	No	OWNER PROVIDED	CASHIERS	
1.41	166	B	Yes	OWNER PROVIDED	CASHIERS	
1.42	156	R	No	OWNER PROVIDED	PREP ROOM	
1.43	172	B	Yes	OWNER PROVIDED	OFFICE	
1.44	168	B	Yes	OWNER PROVIDED	OFFICE	
1.45	174	B	Yes	OWNER PROVIDED	OFFICE	
1.46	113	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
1.47	162	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
1.48	162	R	No	OWNER PROVIDED	CONFERENCE ROOM	
1.49	164	R	No	OWNER PROVIDED	STORAGE	
1.50	149	R	No	OWNER PROVIDED	SECURE STORAGE	
1.51	107	J	No		ELEVATOR	
1.52	112	E	No		MENS	
1.53	112	E	No		MENS	
1.54	112	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
1.55	110	D	No		WOMENS	
1.56	110	D	No		WOMENS	
1.57	112	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
1.58	108	K	No		LEVEL 1	
1.59	108	K	No		LEVEL 1	
1.60	112	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT

SIGNAGE SCHEDULE LEVEL 01

Mark	Arch. Room Number	Sign Type	Blank Back	Sign Room Number	Sign Text	Sign Notes
1.61	145	R	No	OWNER PROVIDED	BUILDING LOADING	
1.62	148	R	No	OWNER PROVIDED	CUSTODIAL	
1.63	144	L	No			
1.64	142	R	No	OWNER PROVIDED	STORAGE	
1.65	140	B	Yes	OWNER PROVIDED	OFFICE	
1.66	138	B	Yes	OWNER PROVIDED	OFFICE	
1.67	136	B	Yes	OWNER PROVIDED	OFFICE	
1.68	134	B	Yes	OWNER PROVIDED	OFFICE	
1.69	132	B	Yes	OWNER PROVIDED	OFFICE	
1.70	141	B	Yes	OWNER PROVIDED	OFFICE	
1.71	139	B	Yes	OWNER PROVIDED	OFFICE	
1.72	137	B	Yes	OWNER PROVIDED	OFFICE	
1.73	135	B	Yes	OWNER PROVIDED	OFFICE	
1.74	135	B	Yes	OWNER PROVIDED	OFFICE	
1.75	131	B	Yes	OWNER PROVIDED	OFFICE	
1.76	125	L	Yes		EXIT	
1.77	126	S	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
1.78	126	R	No	OWNER PROVIDED	CONCESSIONS	
1.79	130	R	Yes	OWNER PROVIDED	RECEPTION	
1.80	154	B	Yes	OWNER PROVIDED	OFFICE	
1.81	151	S	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
1.82	154	R	No	OWNER PROVIDED	STORAGE	
1.83	153	B	Yes	OWNER PROVIDED	OFFICE	
1.84	153A	R	No	OWNER PROVIDED	STORAGE	
1.85	152	R	No	OWNER PROVIDED	WORK ROOM	
1.86	152	S	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
1.88	149A	F	No		RESTROOM	
1.89	149B	F	No		RESTROOM	
1.93	116A	R	No	OWNER PROVIDED	TRANSFORMER YARD	
1.94	117A	R	No	OWNER PROVIDED	TRANSFORMER YARD	
1.95	103	M	No			
1.96	144	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
1.97	182	S	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
1.98	130	R	Yes		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
1.99	154	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
1.100	162	H	No		MAX OCCUPANCY ###	
1.101	106	R	No		VENDING	ARCH. TO PROVIDE DIGITAL FILE OF TEXT

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

SASAKI

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH

DFCM #062976 40

DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

SIGNAGE SCHEDULE

A650

Sheet Number

12/6/2010 4:50:36 PM

SIGNAGE SCHEDULE LEVEL 02

Mark	Arch. Room Number	Sign Type	Blank Back	Sign Room Number	Sign Text	Sign Notes
2.1	VESTIBULE	P	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.2	219	L	No		EXIT	
2.3	219	H	No		MAXIMUM OCCUPANCY ###	
2.6	219	S	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.8	249	S	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.9	163	S	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.10	202	G	No		IN CASE OF FIRE	
2.11	202	K	No		LEVEL 2	
2.12	202	K	No		LEVEL 2	
2.13	203	J	No		ELEVATOR	
2.14	203	M	No			
2.15	206	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
2.16	220	S	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.17	222	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.19	222	R	Yes	OWNER PROVIDED	CIRCULATION SERVICES	
2.20	225	B	Yes	OWNER PROVIDED	OFFICE	
2.21	226	B	Yes	OWNER PROVIDED	OFFICE	
2.22	228	R	Yes	OWNER PROVIDED	STUDY ROOM	
2.23	229	R	Yes	OWNER PROVIDED	STUDY ROOM	
2.24	230	R	Yes	OWNER PROVIDED	STUDY ROOM	
2.25	231	R	Yes	OWNER PROVIDED	STUDY ROOM	
2.26	234	C	Yes	OWNER PROVIDED	CLASSROOM	
2.27	234	J	No		ELEVATOR	
2.28	208	K	No		STAIR	
2.29	208	G	No		IN CASE OF FIRE	
2.30	208	K	No		LEVEL 2	
2.31	209	R	No	OWNER PROVIDED	STORAGE	
2.32	210	D	No		WOMENS	
2.33	210	D	No		WOMENS	
2.34	210	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.35	211	R	No	OWNER PROVIDED	CUSTODIAL	
2.36	212	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.37	212	E	No		MENS	
2.38	212	E	No		MENS	
2.39	212	R	No		RESTROOMS	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.40	213	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
2.41	214	R	No	OWNER PROVIDED	DATA ROOM	
2.42	246	R	Yes	OWNER PROVIDED	PROCESSING	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.43	242	R	Yes	OWNER PROVIDED	OFFICE	
2.44	239	R	No		REFERENCE	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.45	243	R	Yes	OWNER PROVIDED	OFFICE	
2.46	244	R	Yes	OWNER PROVIDED	OFFICE	
2.47	245	R	Yes	OWNER PROVIDED	OFFICE	
2.48	201	L	No		EXIT	
2.49	201	K	No		LEVEL 2	
2.50	247A	R	No	OWNER PROVIDED	STORAGE	
2.51	249	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.52	249	S	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.53	248A	R	No	OWNER PROVIDED	STORAGE	
2.54	248	R	Yes	OWNER PROVIDED	COPY CENTER	
2.55	242	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.57	248	S	No		COPY CENTER	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.58	219	S	No		TO BE PROVIDED	BUILDING ADDRESS
2.59	212	H	No		ASSISTED USE RESTROOM LOCATED ON MEZZANINE LEVEL	
2.60	205	R	No		VENDING	
2.61	235	R	No		MEDIA STUDY	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2.62	222	T	No		ASSISTIVE LISTENING DEVICE AVAILABLE HERE	
2.63	235	T	No		ASSISTIVE LISTENING DEVICE AVAILABLE HERE	

SIGNAGE SCHEDULE LEVEL 02 MEZZANINE

Mark	Arch. Room Number	Sign Type	Blank Back	Sign Room Number	Sign Text	Sign Notes
2M.1	272M	R	Yes	OWNER PROVIDED	LIBRARY MEZZANINE	
2M.2	272M	S	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2M.3	272M	R	Yes	OWNER PROVIDED	GRAND STAIR	
2M.4	277M	R	Yes	OWNER PROVIDED	STUDY ROOM	
2M.5	278M	R	Yes	OWNER PROVIDED	STUDY ROOM	
2M.6	279M	R	Yes	OWNER PROVIDED	STUDY ROOM	
2M.7	280M	R	Yes	OWNER PROVIDED	STUDY ROOM	
2M.8	281M	R	Yes	OWNER PROVIDED	STUDY ROOM	
2M.9	284M	R	No	OWNER PROVIDED	STUDY ROOM	
2M.10	283M	R	No	OWNER PROVIDED	STUDY ROOM	
2M.11	282M	R	No	OWNER PROVIDED	STUDY ROOM	
2M.12	256M	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
2M.13	254M	R	No	OWNER PROVIDED	DATA ROOM	
2M.14	253M	M	No			
2M.15	253M	J	No		ELEVATOR	
2M.16	252M	G	No		IN CASE OF FIRE	
2M.17	252M	K	No		LEVEL 2 MEZZANINE	
2M.18	252M	K	No		LEVEL 2 MEZZANINE	
2M.19	251M	G	No		IN CASE OF FIRE	
2M.20	251M	K	No		LEVEL 2 MEZZANINE	
2M.21	251M	K	No		LEVEL 2 MEZZANINE	
2M.22	294M	R	Yes	OWNER PROVIDED	STUDY ROOM	
2M.23	293M	R	Yes	OWNER PROVIDED	STUDY ROOM	
2M.24	292M	R	Yes	OWNER PROVIDED	STUDY ROOM	
2M.25	291M	R	Yes	OWNER PROVIDED	STUDY ROOM	
2M.26	290M	R	Yes	OWNER PROVIDED	STUDY ROOM	
2M.27	263M	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
2M.28	264M	R	No	OWNER PROVIDED	DATA ROOM	
2M.29	259M	R	No	OWNER PROVIDED	CUSTODIAL	
2M.30	261M	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2M.31	261M	F	No		ASSISTED USE UNISEX	
2M.32	260M	D	No		WOMENS	
2M.33	260M	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2M.34	271M	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2M.35	258M	G	No		IN CASE OF FIRE	
2M.36	258M	K	No		LEVEL 2 MEZZANINE	
2M.37	258M	K	No		LEVEL 2 MEZZANINE	
2M.38	258M	J	No		ELEVATOR	
2M.39	285M	R	No	OWNER PROVIDED	STUDY ROOM	
2M.40	286M	R	Yes	OWNER PROVIDED	STUDY ROOM	
2M.41	273M	R	Yes	OWNER PROVIDED	STUDY ROOM	
2M.42	272M	S	Yes		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
2M.43	271M	H	No		MAX OCCUPANCY ###	
2M.44	255M	R	No		VENDING	ARCH. TO PROVIDE DIGITAL FILE OF TEXT

SIGNAGE SCHEDULE LEVEL 03

Mark	Arch. Room Number	Sign Type	Blank Back	Sign Room Number	Sign Text	Sign Notes
3.1	303	J	No		ELEVATOR	
3.2	303	M	No			
3.3	306	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
3.4	304	R	No	OWNER PROVIDED	DATA ROOM	
3.5	340	C	Yes	OWNER PROVIDED		
3.6	341	R	No	OWNER PROVIDED	STAFF LOUNGE	
3.7	342	F	No		RESTROOM	
3.8	341	R	Yes	OWNER PROVIDED	STAFF LOUNGE	
3.9	353	B	Yes	OWNER PROVIDED	OFFICE	
3.10	354	B	Yes	OWNER PROVIDED	OFFICE	
3.11	351	J	Yes		WORK ROOM	
3.12	352	R	No	OWNER PROVIDED	SERVER ROOM	
3.13	356	B	Yes		OFFICE	
3.14	357	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
3.15	350	R	Yes	OWNER PROVIDED	LIBRARY ADMINISTRATION	
3.16	312	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
3.17	307	J	No		ELEVATOR	
3.18	308	K	No		LEVEL 3	
3.19	308	K	No		LEVEL 3	
3.20	308	G	No		LEVEL 3	
3.21	309	R	No		STORAGE	
3.22	310	D	No		WOMENS	
3.23	310	D	No		WOMENS	
3.24	310	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
3.25	311	R	No		CUSTODIAL	
3.26	312	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
3.27	312	E	No		MENS	
3.28	312	E	No		MENS	
3.29	371	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
3.30	372	R	No	OWNER PROVIDED	DATA ROOM	
3.31	373	R	No	OWNER PROVIDED	LIBRARY SERVICES	
3.32	374	R	No	OWNER PROVIDED	BINDERY	
3.33	375	B	Yes	OWNER PROVIDED	OFFICE	
3.34	376	R	No	OWNER PROVIDED	STORAGE	
3.35	373A	R	No	OWNER PROVIDED	WORK ROOM	
3.36	377	R	No	OWNER PROVIDED	STORAGE ROOM	
3.37	373A	R	No	OWNER PROVIDED	WORK ROOM	
3.38	373	R	No	OWNER PROVIDED	LIBRARY SERVICES	
3.39	301	K	No		LEVEL 3	
3.40	301	G	No		IN CASE OF FIRE	
3.41	301	K	No		LEVEL 3	
3.42	320	R	Yes	OWNER PROVIDED	DEVELOPMENT STUDIO	
3.43	321	R	Yes	OWNER PROVIDED	STORAGE ROOM	
3.44	322	R	Yes	OWNER PROVIDED	FACULTY LEARNING LAB	
3.45	323	B	Yes	OWNER PROVIDED	OFFICE	
3.46	324	B	Yes	OWNER PROVIDED	OFFICE	
3.47	325	C	No	OWNER PROVIDED	CLASSROOM	
3.48	325	C	No	OWNER PROVIDED	DEVELOPMENT STUDIO	
3.49	325	C	No	OWNER PROVIDED	CLASSROOM	
3.50	325	R	Yes	OWNER PROVIDED	READING ROOM	
3.51	331	R	Yes	OWNER PROVIDED	SPECIAL COLLECTIONS	
3.52	335	R	Yes	OWNER PROVIDED	COMPACT STORAGE	
3.53	334	R	Yes	OWNER PROVIDED	DIGITIZATION	
3.54	333	B	Yes	OWNER PROVIDED	OFFICE	
3.55	332	B	Yes	OWNER PROVIDED	OFFICE	
3.56	302	G	No		IN CASE OF FIRE	
3.57	302	K	No		LEVEL 3	
3.58	302	K	No		LEVEL 3	
3.59	360	H	No		MAX OCCUPANCY ###	
3.60	312	H	No		ASSISTED USE RESTROOM LOCATED ON MEZZANINE LEVEL	
3.61	305	R	No		VENDING	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
3.62	360	T	No		ASSISTIVE LISTENING DEVICES AVAILABLE AT CIRCULATION DESK	

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

STATE OF UTAH
DENNIS THOMAS PAYNE
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #00297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

No.	Description	Date

Job # 09625
CAD File
Drawn Author Checked Checker
Date 12/03/2010
Owner #
Ins. #

SIGNAGE SCHEDULE

A651
Sheet Number

12/6/2010 4:50:44 PM

SIGNAGE SCHEDULE LEVEL 04

Mark	Arch. Room Number	Sign Type	Blank Back	Sign Room Number	Sign Text	Sign Notes
4.1	403	J	No		ELEVATOR	
4.2	403	M	No			
4.3	469	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
4.4	406	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
4.5	404	R	No	OWNER PROVIDED	DATA ROOM	
4.6	465	R	Yes	OWNER PROVIDED	FACULTY SUITE	
4.7	469	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
4.8	443	R	No	OWNER PROVIDED	STORAGE ROOM	
4.9	444	B	Yes	OWNER PROVIDED	OFFICE	
4.10	462	B	Yes	OWNER PROVIDED	OFFICE	
4.11	445	B	Yes	OWNER PROVIDED	OFFICE	
4.12	447	B	Yes	OWNER PROVIDED	OFFICE	
4.13	446	B	Yes	OWNER PROVIDED	OFFICE	
4.14	443	B	Yes	OWNER PROVIDED	OFFICE	
4.15	448	B	Yes	OWNER PROVIDED	OFFICE	
4.16	449	B	Yes	OWNER PROVIDED	OFFICE	
4.17	464	R	Yes	OWNER PROVIDED	WORK ROOM	
4.18	450	B	Yes	OWNER PROVIDED	OFFICE	
4.19	451	B	Yes	OWNER PROVIDED	OFFICE	
4.20	461	R	Yes	OWNER PROVIDED	FACULTY LOUNGE	
4.21	452	B	Yes	OWNER PROVIDED	OFFICE	
4.22	453	B	Yes	OWNER PROVIDED	OFFICE	
4.23	454	B	Yes	OWNER PROVIDED	OFFICE	
4.24	455	B	Yes	OWNER PROVIDED	OFFICE	
4.25	456	B	Yes	OWNER PROVIDED	OFFICE	
4.26	457	R	Yes	OWNER PROVIDED	COLLABORATIVE LOUNGE	
4.27	459	F	No		REST ROOM	
4.28	458	F	No		REST ROOM	
4.29	457	R	No	OWNER PROVIDED	COLLABORATIVE LOUNGE	
4.30	472	R	No	OWNER PROVIDED	LEVEL 4	
4.31	472	R	No	OWNER PROVIDED	STAIR	
4.32	471	C	Yes	OWNER PROVIDED	CLASSROOM	
4.33	471	C	Yes	OWNER PROVIDED	CLASSROOM	
4.34	475	C	Yes	OWNER PROVIDED	CLASSROOM	
4.35	475	C	Yes	OWNER PROVIDED	CLASSROOM	
4.36	476	C	Yes	OWNER PROVIDED	CLASSROOM	
4.37	470	C	Yes	OWNER PROVIDED	CLASSROOM	
4.38	470	C	Yes	OWNER PROVIDED	CLASSROOM	
4.39	476	C	Yes	OWNER PROVIDED	CLASSROOM	
4.40	477	C	Yes	OWNER PROVIDED	CLASSROOM	
4.41	477	C	Yes	OWNER PROVIDED	CLASSROOM	
4.42	478	R	Yes	OWNER PROVIDED	STUDY ROOM	
4.43	479	R	Yes	OWNER PROVIDED	STUDY ROOM	
4.44	402	K	No		LEVEL 4	
4.45	402	G	No		IN CASE OF FIRE	
4.46	402	K	No		LEVEL 4	
4.47	431	R	Yes	OWNER PROVIDED	TUTORING	
4.48	432	B	Yes	OWNER PROVIDED	OFFICE	
4.49	433	B	Yes	OWNER PROVIDED	OFFICE	
4.50	438	R	Yes	OWNER PROVIDED	TUTORING ROOM	
4.51	437	R	Yes	OWNER PROVIDED	TUTORING ROOM	
4.52	436	R	Yes	OWNER PROVIDED	TUTORING ROOM	
4.53	435	R	Yes	OWNER PROVIDED	TUTORING ROOM	
4.54	430	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
4.55	421	R	Yes	OWNER PROVIDED	WRITING CENTER	
4.56	480	R	Yes	OWNER PROVIDED	STUDY ROOM	
4.57	422	B	Yes	OWNER PROVIDED	OFFICE	
4.58	420	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
4.59	426	R	Yes	OWNER PROVIDED		
4.60	420	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
4.61	418	B	Yes	OWNER PROVIDED	OFFICE	
4.62	417	B	Yes	OWNER PROVIDED	OFFICE	
4.63	416	B	Yes	OWNER PROVIDED	OFFICE	
4.64	425	B	Yes	OWNER PROVIDED	OFFICE	

SIGNAGE SCHEDULE LEVEL 04

Mark	Arch. Room Number	Sign Type	Blank Back	Sign Room Number	Sign Text	Sign Notes
4.65	424	B	Yes	OWNER PROVIDED	OFFICE	
4.66	423	R	Yes	OWNER PROVIDED	STUDY ROOM	
4.67	401	G	Yes		IN CASE OF FIRE	
4.68	401	K	Yes		LEVEL 4	
4.69	401	K	Yes		LEVEL 4	
4.70	493	R	Yes	OWNER PROVIDED	STUDY ROOM	
4.71	491	R	Yes	OWNER PROVIDED	STUDY ROOM	
4.72	490	R	Yes	OWNER PROVIDED	STUDY ROOM	
4.73	489	R	Yes	OWNER PROVIDED	STUDY ROOM	
4.74	488	R	Yes	OWNER PROVIDED	STUDY ROOM	
4.75	487	R	Yes	OWNER PROVIDED	STUDY ROOM	
4.76	413	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
4.77	414	R	No	OWNER PROVIDED	DATA ROOM	
4.78	412	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
4.79	277M	E	No		MENS	
4.80	277M	E	No		MENS	
4.81	412	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
4.82	411	R	No	OWNER PROVIDED	CUSTODIAL	
4.83	410	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
4.84	410	D	No		WOMENS	
4.85	410	D	No		WOMENS	
4.86	409	R	No	OWNER PROVIDED	STORAGE ROOM	
4.87	408	G	Yes		IN CASE OF FIRE	
4.88	408	K	Yes		LEVEL 4	
4.89	408	K	Yes		LEVEL 4	
4.90	407	J	Yes		ELEVATOR	
4.91	460	R	No	OWNER PROVIDED	CHILDRENS LITERATURE LIBRARY	
4.92	482	R	Yes	OWNER PROVIDED	STUDY ROOM	
4.93	481	R	Yes	OWNER PROVIDED	STUDY ROOM	
4.94	486	H	Yes		MAX OCCUPANCY ###	
4.95	430	R	Yes		MAX OCCUPANCY ###	
4.96	405	R	No		VENDING	ARCH. TO PROVIDE DIGITAL FILE OF TEXT

VCBO ARCHITECTURE
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DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

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Drawn Author Checked Checker
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SIGNAGE SCHEDULE

A652
Sheet Number

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SIGNAGE SCHEDULE LEVEL 05

Mark	Arch. Room Number	Sign Type	Blank Back	Sign Room Number	Sign Text	Sign Notes
5.1	503	J	No		ELEVATOR	
5.2	503	M	No		ELEVATOR	
5.3	506	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
5.4	537	R	No	OWNER PROVIDED	ZION ROOM SUPPORT	
5.5	539	R	No	OWNER PROVIDED	STORAGE ROOM	
5.6	539	R	No	OWNER PROVIDED	CATERING	
5.7	539	R	No	OWNER PROVIDED	CATERING	
5.8	5.8	R	Yes	OWNER PROVIDED	I.T. DEPARTMENT	
5.9	541	R	No	OWNER PROVIDED	TRAINING LAB	
5.10	541A	R	No	OWNER PROVIDED	CONTROL ROOM	
5.11	541A	R	No	OWNER PROVIDED	CONTROL ROOM	
5.12	542	R	No	OWNER PROVIDED	DEVELOPMENT/RECORDING LAB	
5.13	543	R	No	OWNER PROVIDED	CONFERENCE ROOM	
5.14	544	R	Yes	OWNER PROVIDED	I.T. SUITE	
5.15	504	R	No	OWNER PROVIDED	DATA ROOM	
5.16	545	B	Yes	OWNER PROVIDED	OFFICE	
5.17	546	B	Yes	OWNER PROVIDED	OFFICE	
5.18	547	B	Yes	OWNER PROVIDED	OFFICE	
5.19	544	R	No	OWNER PROVIDED	I.T. SUITE	
5.20	544	R	No	OWNER PROVIDED	I.T. SUITE	
5.21	556	B	Yes	OWNER PROVIDED	OFFICE	
5.22	555	B	Yes	OWNER PROVIDED	OFFICE	
5.23	554	B	Yes	OWNER PROVIDED	OFFICE	
5.25	557	R	Yes	OWNER PROVIDED	OFFICE SUITE	
5.26	567	B	Yes	OWNER PROVIDED	OFFICE	
5.27	566	B	Yes	OWNER PROVIDED	OFFICE	
5.28	565	B	Yes	OWNER PROVIDED	OFFICE	
5.29	558	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
5.30	559	B	Yes	OWNER PROVIDED	OFFICE	
5.31	564	B	Yes	OWNER PROVIDED	OFFICE	
5.32	560	B	Yes	OWNER PROVIDED	OFFICE	
5.33	561	B	Yes	OWNER PROVIDED	OFFICE	
5.35	557A	R	Yes	OWNER PROVIDED	OFFICE SUITE	
5.36	563	B	Yes	OWNER PROVIDED	OFFICE	
5.37	562	B	Yes	OWNER PROVIDED	OFFICE	
5.38	568	R	Yes	OWNER PROVIDED	OPEN OFFICE	
5.39	569	R	No	OWNER PROVIDED	MOTHERS ROOM	
5.40	568	R	Yes	OWNER PROVIDED	OPEN OFFICE	
5.41	553	R	No	OWNER PROVIDED	SECURE STORAGE	
5.42	552	R	No	OWNER PROVIDED	WORK ROOM	
5.43	552A	R	No	OWNER PROVIDED	CHECKS	
5.44	551	R	Yes	OWNER PROVIDED	BUSINESS SERVICES	
5.45	550	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
5.46	550	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
5.47	570	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
5.48	571	R	Yes	OWNER PROVIDED	LEADERS RECEPTION	
5.49	586	R	No	OWNER PROVIDED	OFFICE SUITE	
5.50	572	B	Yes	OWNER PROVIDED	OFFICE	
5.51	573	B	Yes	OWNER PROVIDED	OFFICE	
5.52	570	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
5.53	574	B	Yes	OWNER PROVIDED	OFFICE	
5.54	575	B	Yes	OWNER PROVIDED	OFFICE	
5.55	576	B	Yes	OWNER PROVIDED	OFFICE	
5.56	577	B	Yes	OWNER PROVIDED	OFFICE	
5.57	578	B	Yes	OWNER PROVIDED	OFFICE	
5.58	579	B	Yes	OWNER PROVIDED	OFFICE	
5.59	580	B	Yes	OWNER PROVIDED	OFFICE	
5.60	581	B	Yes	OWNER PROVIDED	OFFICE	
5.61	581	B	Yes	OWNER PROVIDED	OFFICE	
5.62	583	B	Yes	OWNER PROVIDED	OFFICE	
5.63	584	R	Yes	OWNER PROVIDED	OFFICE	
5.64	585	B	Yes	OWNER PROVIDED	OFFICE	
5.65	588A	F	No		ASSISTED USE RESTROOM	

SIGNAGE SCHEDULE LEVEL 05

Mark	Arch. Room Number	Sign Type	Blank Back	Sign Room Number	Sign Text	Sign Notes
5.66	588	R	Yes	OWNER PROVIDED	BREAK ROOM	
5.67	508	J	No		ELEVATOR	
5.68	508	K	No		LEVEL 5	
5.69	508	K	No		LEVEL 5	
5.70	508	G	No		IN CASE OF FIRE	
5.71	507A	R	No	OWNER PROVIDED	CUSTODIAL	
5.72	510	D	No		WOMENS	
5.73	510	D	No		WOMENS	
5.74	510	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
5.75	511	R	No	OWNER PROVIDED	CUSTODIAL	
5.76	512	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
5.77	512	E	No		MENS	
5.78	512	E	No		MENS	
5.79	512	R	No		TO BE PROVIDED	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
5.80	590	R	No	OWNER PROVIDED	DATA	
5.81	513	R	No	OWNER PROVIDED	ELECTRICAL ROOM	
5.82	583	R	No	OWNER PROVIDED	ELEVATOR SUPPORT	
5.83	514	R	No	OWNER PROVIDED	DATA ROOM	
5.84	590	R	No	OWNER PROVIDED	I.T. OFFICE SUITE	
5.85	598	R	No	OWNER PROVIDED	DATA CENTER	
5.86	590	R	No	OWNER PROVIDED	DATE CENTER PREP.	
5.87	591	B	Yes	OWNER PROVIDED	OFFICE	
5.88	592	B	Yes	OWNER PROVIDED	OFFICE	
5.89	593	B	Yes	OWNER PROVIDED	OFFICE	
5.90	594	B	Yes	OWNER PROVIDED	OFFICE	
5.91	595	B	Yes	OWNER PROVIDED	OFFICE	
5.92	596	B	Yes	OWNER PROVIDED	OFFICE	
5.93	597	R	Yes	OWNER PROVIDED	I.T. DEPARTMENT	
5.94	598A	R	No	OWNER PROVIDED	DATA CENTER	
5.95	598A	R	No	OWNER PROVIDED	DATA CENTER	
5.96	597	R	No	OWNER PROVIDED	I.T. DEPARTMENT	
5.97	501	G	No		IN CASE OF FIRE	
5.98	501	K	No		IN CASE OF FIRE	
5.99	501	K	No		IN CASE OF FIRE	
5.100	529	R	No	OWNER PROVIDED	CAREER CENTER LAB	
5.101	530	B	No	OWNER PROVIDED	OFFICE	
5.102	529	B	Yes	OWNER PROVIDED	OFFICE	
5.103	531	B	Yes	OWNER PROVIDED	OFFICE	
5.104	516	B	Yes	OWNER PROVIDED	OFFICE	
5.105	517	B	Yes	OWNER PROVIDED	OFFICE	
5.106	524	R	Yes	OWNER PROVIDED	INTERVIEW ROOM	
5.107	524	R	Yes	OWNER PROVIDED	INTERVIEW ROOM	
5.108	519	B	Yes	OWNER PROVIDED	OFFICE	
5.109	520	B	Yes	OWNER PROVIDED	OFFICE	
5.110	526	B	Yes	OWNER PROVIDED	INTERVIEW ROOM	
5.111	526	B	Yes	OWNER PROVIDED	INTERVIEW ROOM	
5.112	528	R	No	OWNER PROVIDED	STORAGE	
5.113	521	B	Yes	OWNER PROVIDED	OFFICE	
5.114	518	B	Yes	OWNER PROVIDED	OFFICE	
5.115	523	R	Yes	OWNER PROVIDED	CAREER CENTER	
5.116	535	R	Yes	OWNER PROVIDED	CONFERENCE ROOM	
5.117	536	R	No	OWNER PROVIDED	CONFERENCE ROOM	
5.118		R	No	OWNER PROVIDED	ELEVATOR	
5.119	502	G	No		IN CASE OF FIRE	
5.120	502	K	No		LEVEL 5	
5.121	502	K	No		LEVEL 5	
5.122	550	H	No		MAX OCCUPANCY ###	
5.123	535	H	No		MAX OCCUPANCY ###	
5.124	536	H	No		MAX OCCUPANCY ###	
5.125	537	H	No		MAX OCCUPANCY ###	
5.126	505	R	No		VENDING	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
5.127	512	H	No		ASSISTED USE RESTROOM LOCATED IN BREAKROOM ###	
5.128	571	S	No		BUSINESS SERVICES	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
5.129	537	T	No		ASSISTIVE LISTENING DEVICES ABAILABLE AT CIRCULATION DESK	ARCH. TO PROVIDE DIGITAL FILE OF TEXT
5.130	550	T	No		ASSISTIVE LISTENING DEVICES ABAILABLE AT CIRCULATION DESK	ARCH. TO PROVIDE DIGITAL FILE OF TEXT

VCBO ARCHITECTURE
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SIGNAGE SCHEDULE

A653
Sheet Number

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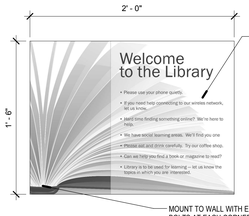
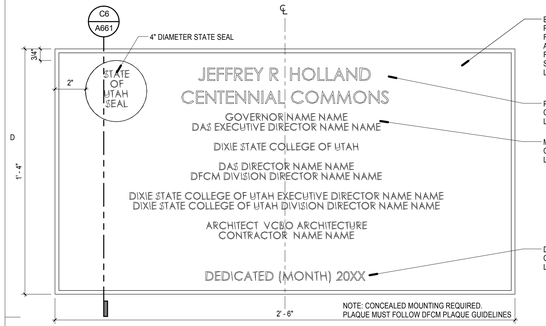


(25) 18"x24" ACRYLIC SIGN WITH SCREEN PRINTED TEXT AND ARTWORK (GRAPHICS TO BE DIGITALLY PROVIDED BY ARCHITECT). LAMINATED BETWEEN TWO PANELS AND WALL MOUNTED. EACH SIGN TO BE A DIFFERENT GRAPHIC. LOCATIONS TO BE DETERMINED AND FIELD VERIFIED.

MOUNT TO WALL WITH EXPANSION BOLTS AT EACH CORNER. CORNERS TO HAVE A 1/2" RADIUS.

E1 SIGN TYPE N

SCALE: 1" = 1'-0"



BRONZE DEDICATORY PLAQUE. COORDINATE FINAL TEXT PER ARCHITECT PRIOR TO FABRICATION. REFER TO SIGNAGE PLANS FOR LOCATION.

PROJECT TITLE- 7/8" CENTURY GOTHIC STYLE LETTERING

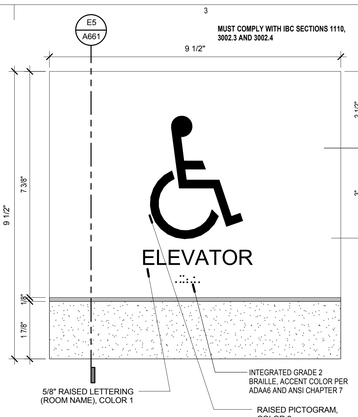
MAIN TEXT BODY- 1/2" CENTURY GOTHIC STYLE LETTERING

DEDICATION DATE- 5/8" CENTURY GOTHIC STYLE LETTERING

NOTE: CONCEALED MOUNTING REQUIRED. PLAQUE MUST FOLLOW DFCM PLAQUE GUIDELINES

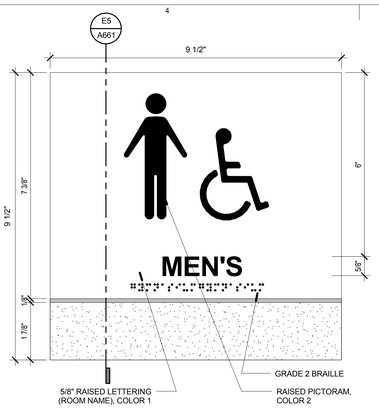
D1 BUILDING PLAQUE

SCALE: 3" = 1'-0"



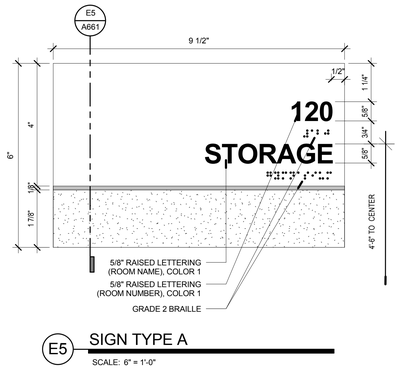
E3 SIGN TYPE J

SCALE: 6" = 1'-0"



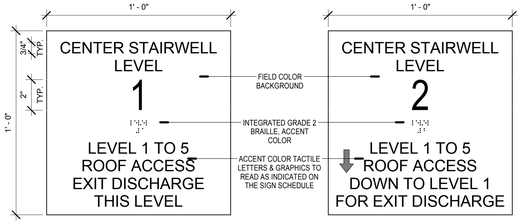
E4 SIGN TYPE E

SCALE: 6" = 1'-0"



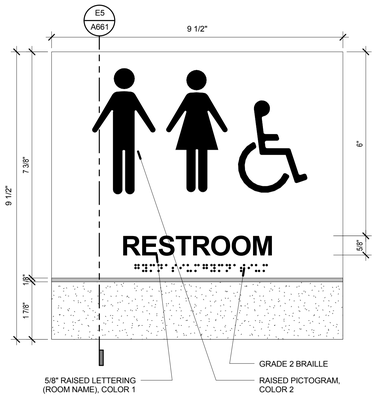
E5 SIGN TYPE A

SCALE: 6" = 1'-0"



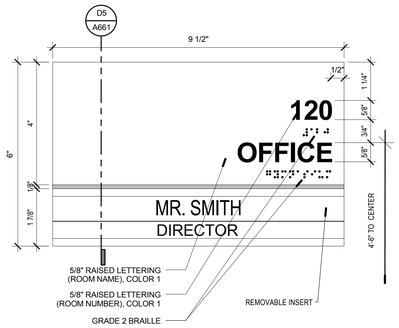
D3 SIGN TYPE K

SCALE: 3" = 1'-0"



D4 SIGN TYPE F

SCALE: 6" = 1'-0"

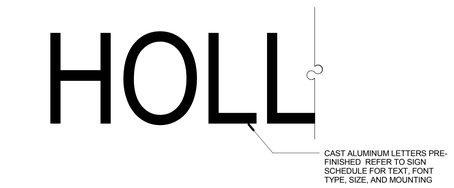


D5 SIGN TYPE B

SCALE: 6" = 1'-0"

C3 SIGN TYPE L

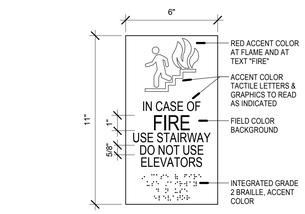
SCALE: 6" = 1'-0"



CAST ALUMINUM LETTERS PRE-FINISHED. REFER TO SIGN SCHEDULE FOR TEXT, FONT TYPE, SIZE, AND MOUNTING

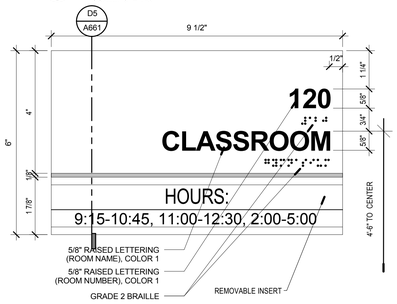
C1 SIGN TYPE Q

SCALE: 1" = 1'-0"



C4 SIGN TYPE G

SCALE: 3" = 1'-0"

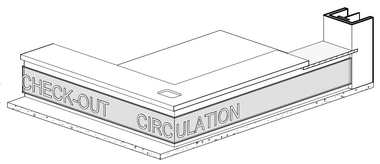


C5 SIGN TYPE C

SCALE: 6" = 1'-0"

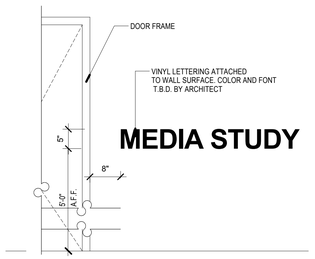
A1 SIGN TYPE T

SCALE: 6" = 1'-0"



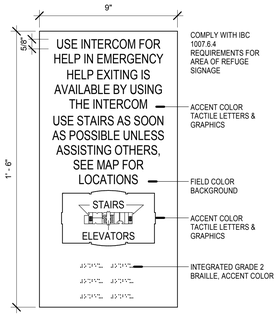
A2 SIGN TYPE S

SCALE:



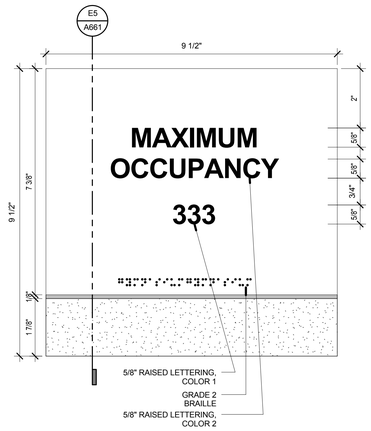
A3 SIGN TYPE R

SCALE: 3/4" = 1'-0"



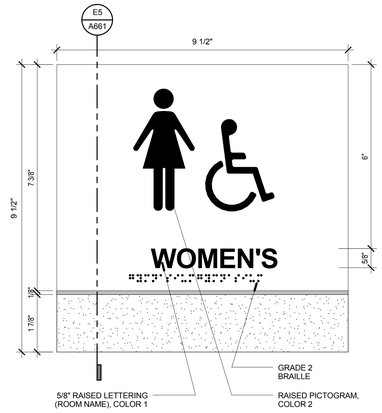
A4 SIGN TYPE M

SCALE: 3" = 1'-0"



A5 SIGN TYPE H

SCALE: 6" = 1'-0"



A6 SIGN TYPE D

SCALE: 6" = 1'-0"

SIGN NOTES

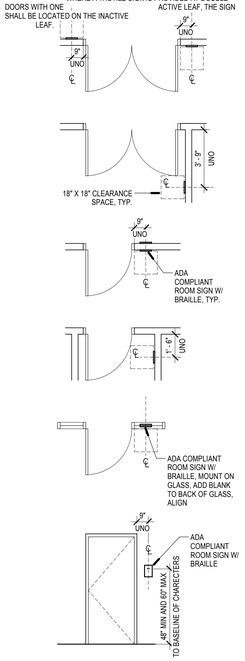
- ALL SIGNS TO MEET CHAPTER 7 OF ANSI 117.1, 2003 AND INCLUDE GRADE 2 BRAILLE. FINISH AND CONTRAST. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARECTERS ON A LIGHT BACKGROUND.
- ALL SANITARY FACILITIES MUST BE IDENTIFIED, INCLUDE INTERNATIONAL SYMBOL OF ACCESSIBILITY, PICTOGRAMS AND BRAILLE.
- ALL ASSEMBLY OCCUPANCIES TO HAVE OCCUPANT LOAD POSTED NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY.
- PROVIDE CODE REQUIRED SIGNAGE AT STAIRS: TACTILE SIGN WITH "EXIT" OUTSIDE STAIR DOORS ON UPPER FLOORS. INSIDE STAIR SIGN TO INDICATE STAIR NUMBER, EXIT LEVEL AND LEVEL ON.
- PROVIDE CODE REQUIRED SIGNAGE AT ALL ELEVATOR DOORS.

TYPICAL SIGNAGE LOCATIONS

NOTE:

- TYPICAL SIGN HEIGHT. ARCHITECT TO FIELD VERIFY SIGN LOCATIONS WHEN CONFLICTS WITH DEVICES ARISE.
- SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN
- DEVICES.

WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF.



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DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

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SIGNAGE TYPES AND DETAILS

A660
Sheet Number

12/6/2010 4:51:19 PM

SIGN NOTES

- ALL SIGNS TO MEET CHAPTER 7 OF ANSI 117.1, 2003 AND INCLUDE GRADE 2 BRAILLE. FINISH AND CONTRAST. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARECTERS ON A LIGHT BACKGROUND.
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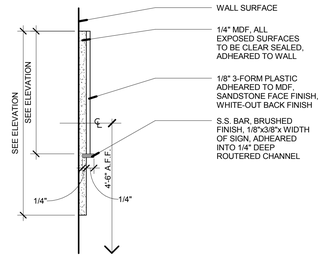
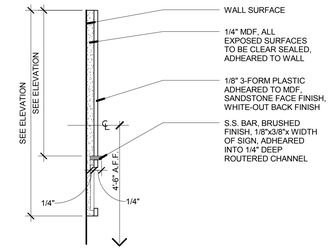
- PROVIDE CODE REQUIRED SIGNAGE AT ALL ELEVATOR DOORS.



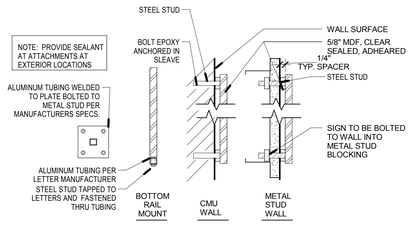
E5 INTERIOR DOOR SIGN SECTION1

SCALE: 6" = 1'-0"



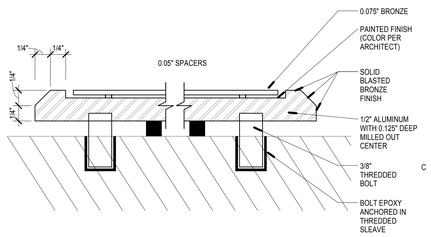
D5 INTERIOR DOOR SIGN SECTION 2

SCALE: 6" = 1'-0"



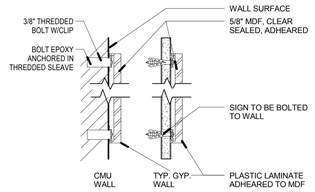
D6 CAST LETTER MOUNT DETAIL

SCALE: 3" = 1'-0"



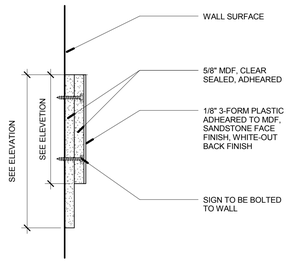
C6 INTERIOR SIGN SECTION

SCALE: 12" = 1'-0"



B6 PLASTIC LAMINATE SIGN SECTION

SCALE: 3" = 1'-0"



A6 WALL SIGN SECTION

SCALE: 3" = 1'-0"

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SIGNAGE TYPES AND DETAILS

A661

Sheet Number

12/6/2010 4:51:27 PM

C1 SW PERSPECTIVE

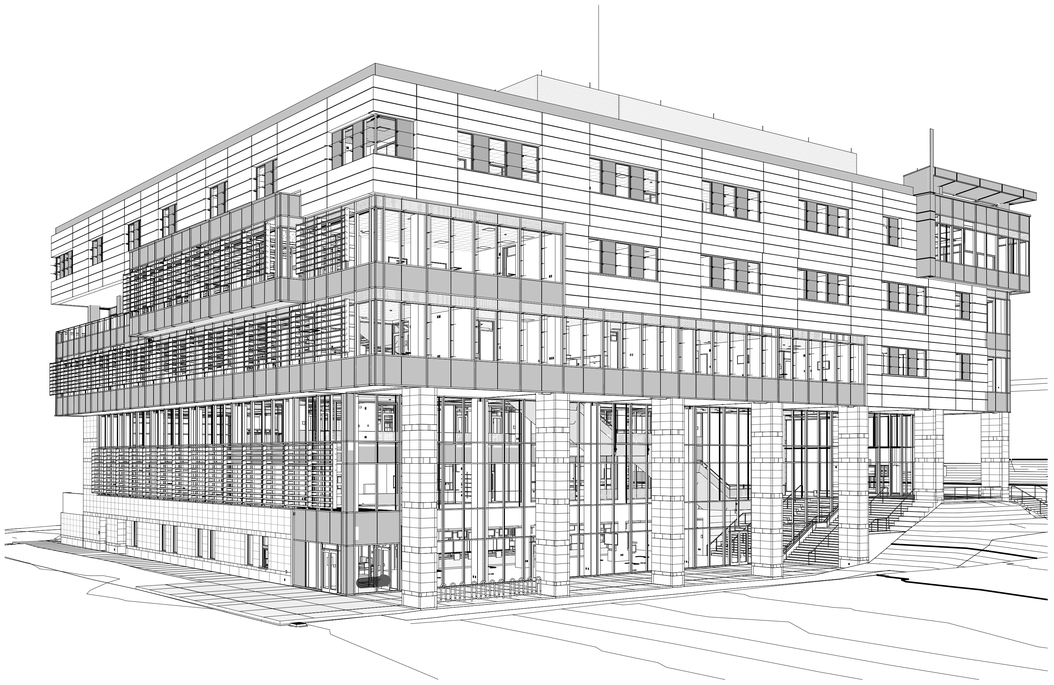
SCALE:

C4 NE PERSPECTIVE

SCALE:

A1 NW PERSPECTIVE

SCALE:



A4 SE PERSPECTIVE

SCALE:

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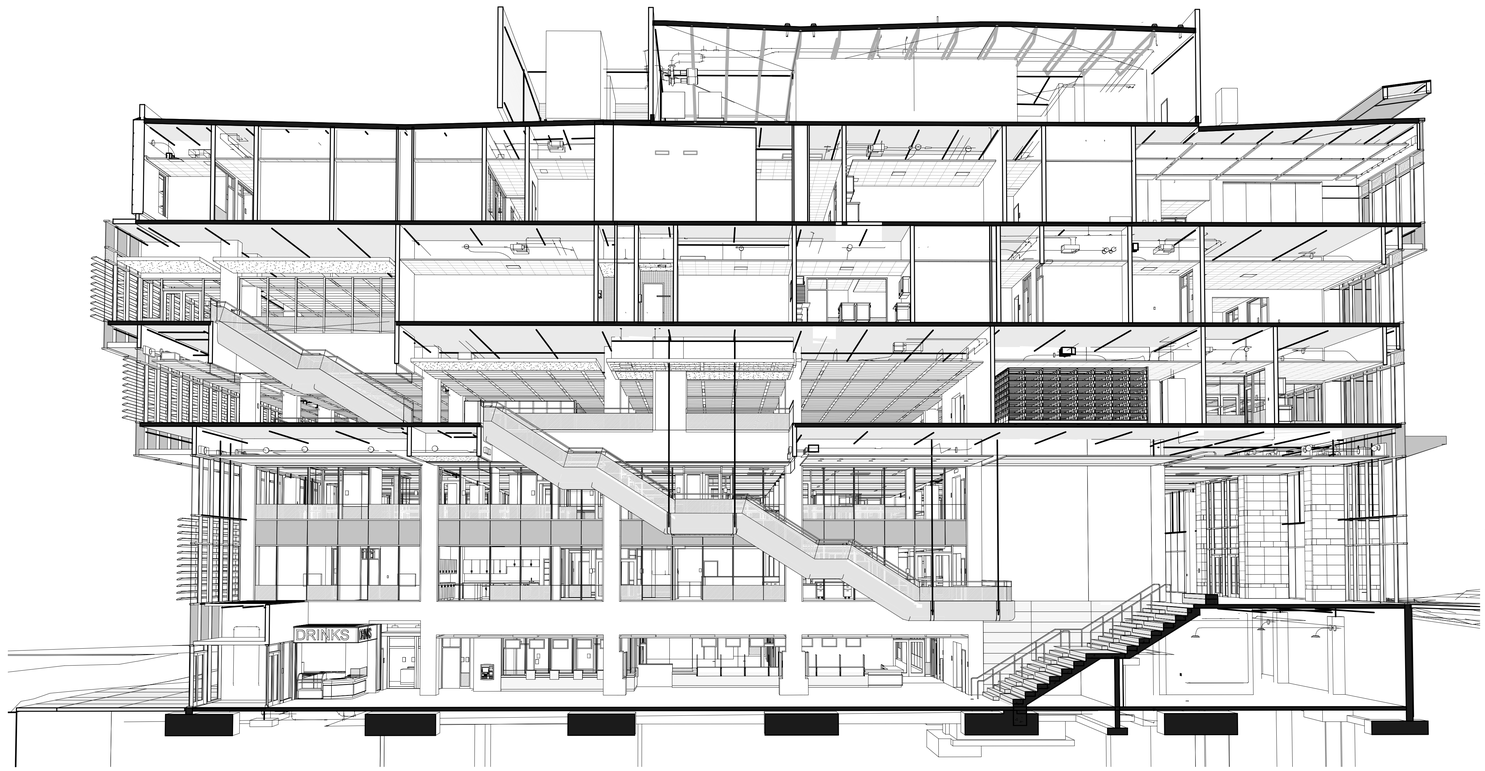
3D EXTERIOR VIEWS

A901

Sheet Number

12/6/2010 4:58:53 PM



A6 SECTION PERSPECTIVE

SCALE:

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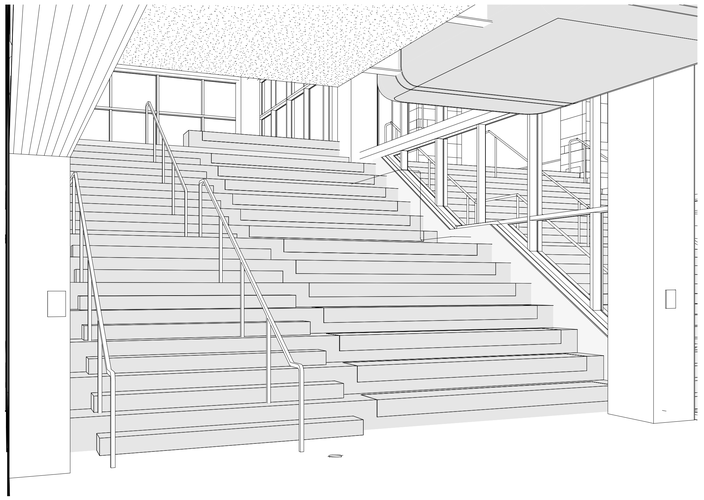
BUILDING SECTIONS

A905

Sheet Number

12/6/2010 5:46:59 PM

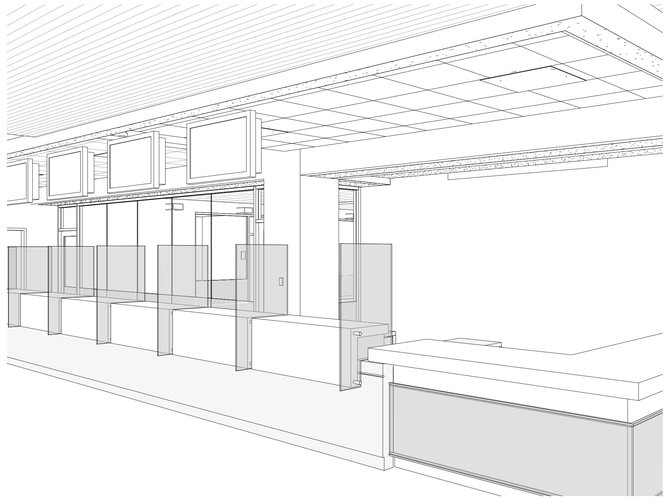


C1 AMPHITHEATER STAIR VIEW

SCALE:

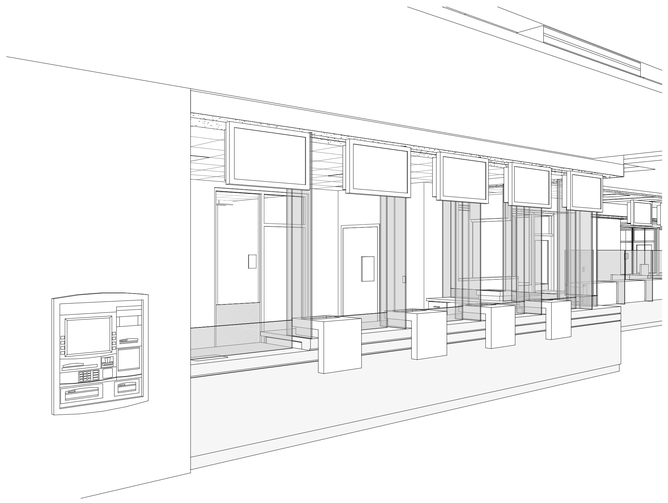
C3 LOBBY LEVEL 1 LOOKING SOUTH

SCALE:



C5 REGISTRATION

SCALE:



A1 CASHIER COUNTER

SCALE:

A3 LOBBY LEVEL 1 LOOKING NORTH

SCALE:

A5 CONCESSIONS

SCALE:

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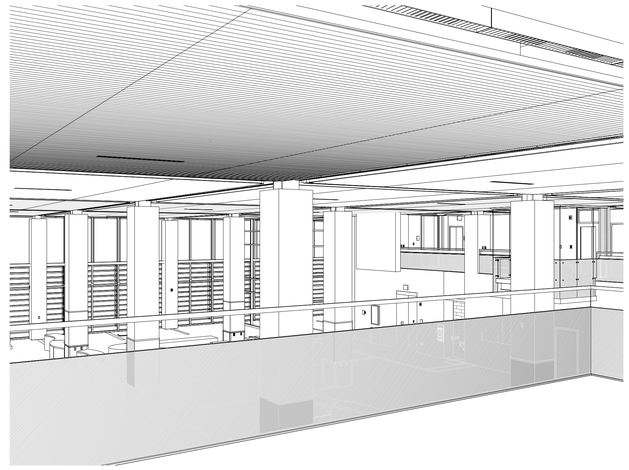
3D VIEWS LEVEL 01

A910

Sheet Number

12/6/2010 5:01:26 PM



D3 LEVEL 2M LIBRARY LOOKING SW

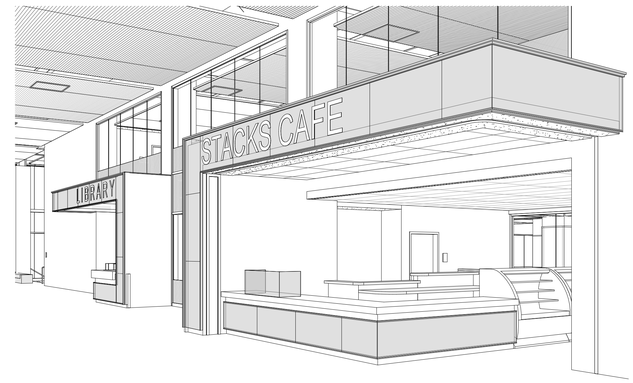
SCALE:

D5 LEVEL 2M LIBRARY LOOKING S

SCALE:

B2 INFO. COMMONS 218 PERSPECTIVE

SCALE:

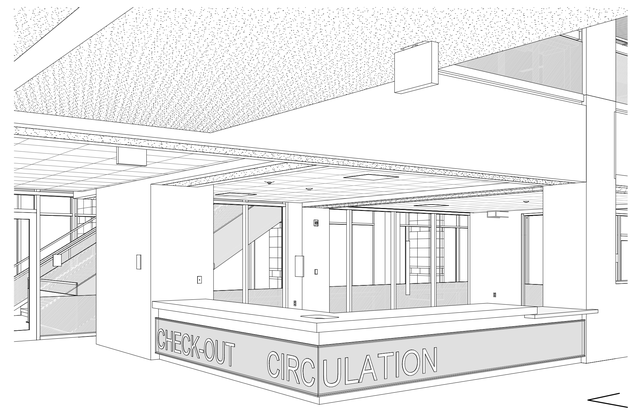


B5 INFO COMMONS 218 PERSPECTIVE 2

SCALE:

A2 LIBRARY LOOKING S

SCALE:



A5 CIRCULATION DESK-PERSPECTIVE

SCALE:

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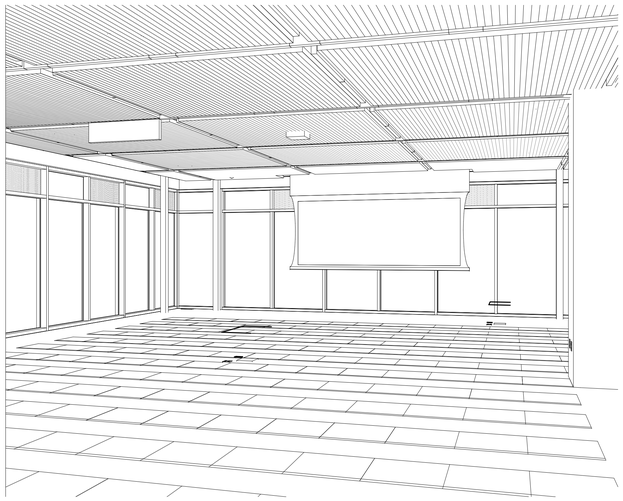
3D VIEWS LEVEL 02

A920

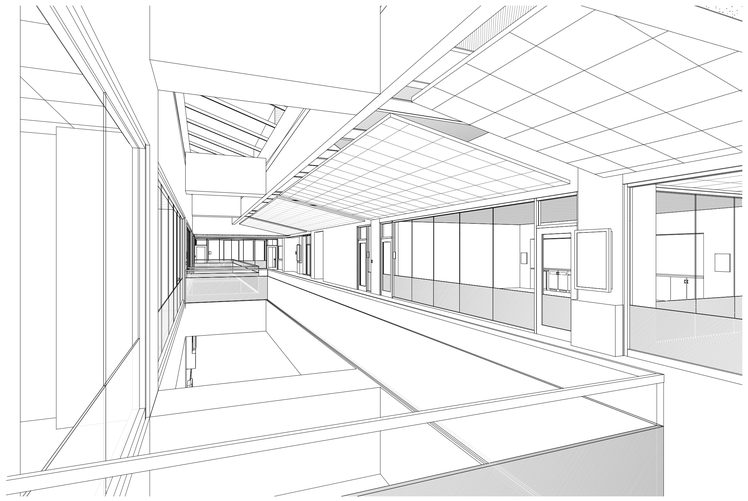
Sheet Number

12/6/2010 5:03:03 PM



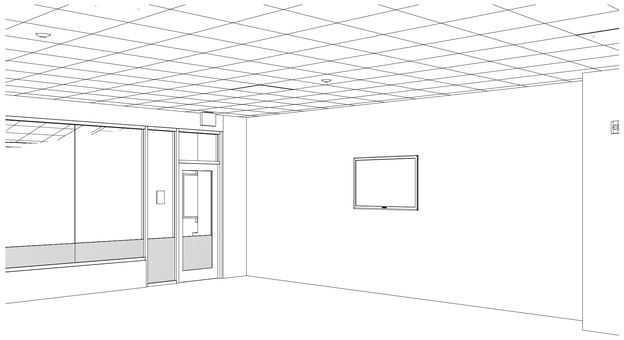
D3 LEVEL 5 ZION ROOM LOOKING NE

SCALE:



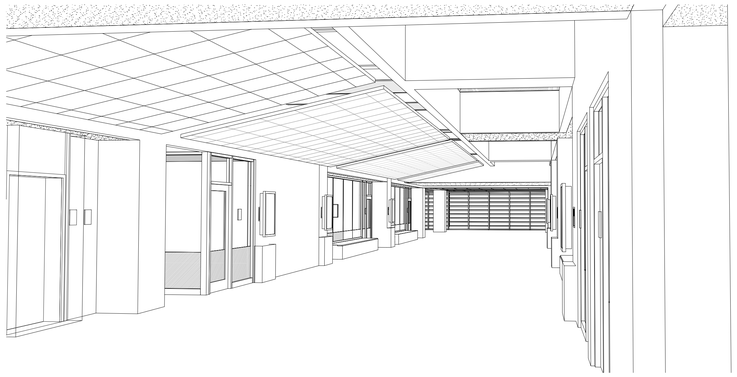
D5 LEVEL 5 SKYLIGHT LOOKING S

SCALE:



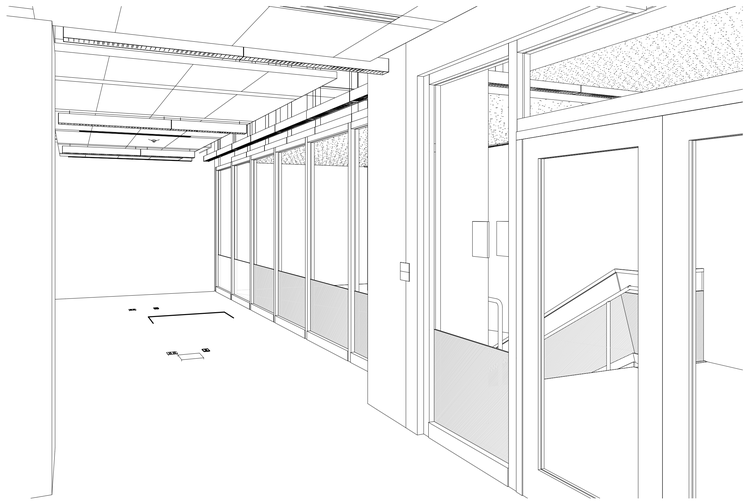
B3 LEVEL 4 TYPICAL CLASSROOM

SCALE:



B5 LEVEL 4 CLASS CORRIDOR LOOKING S

SCALE:



A5 LEVEL 4 STAIRS LOOKING N

SCALE:

12/6/2010 5:03:46 PM

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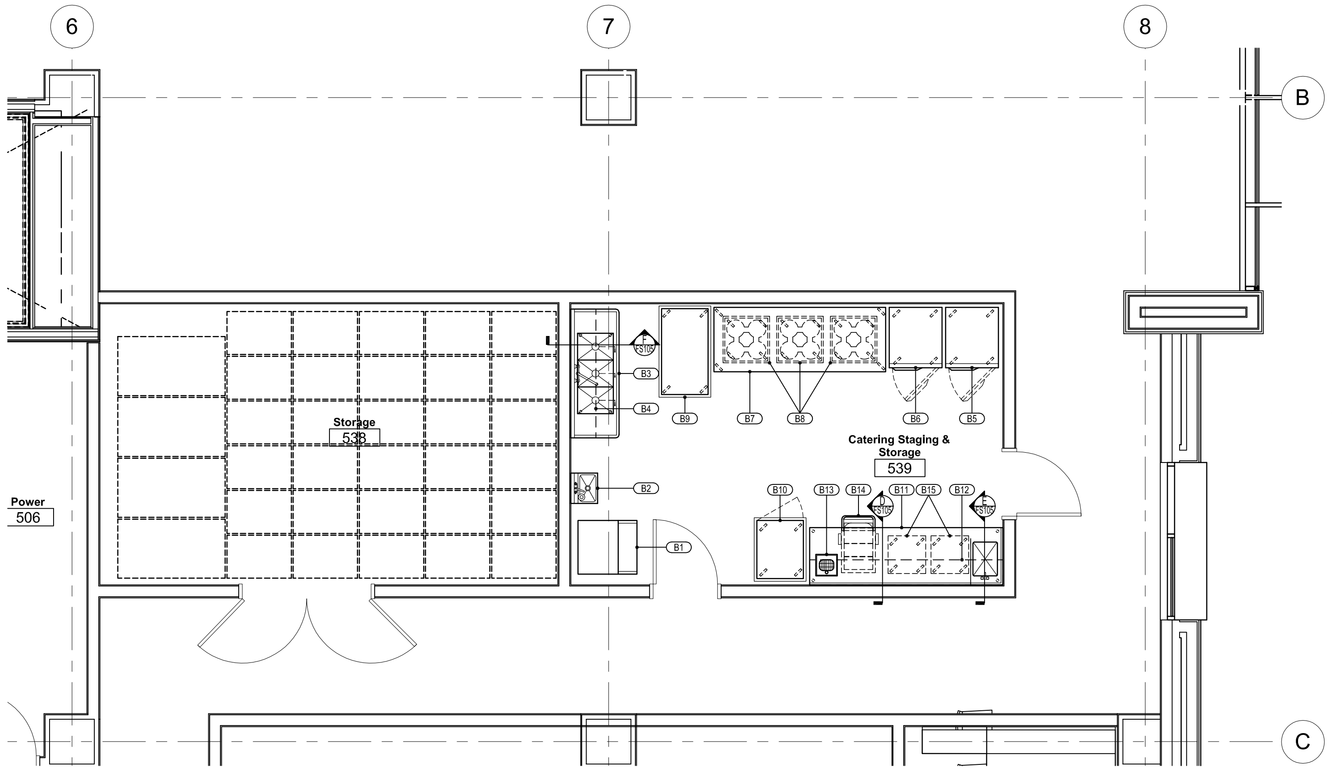
3D VIEWS LEVEL 04-05

A940

Sheet Number

BANQUET SERVING AREA
SCHEDULE: FOOD SERVICE EQUIPMENT

ITEM	QTY	DESCRIPTION
#B-1	1	ICE MAKER AND BIN
#B-2	1	WALL MOUNT HAND SINK
#B-3	1	STAINLESS STEEL THREE COMPARTMENT SINK
#B-4	1	STAINLESS STEEL WALL SHELF
#B-5	1	REACH-IN FREEZER: SINGLE SECTION
#B-6	1	REACH-IN REFRIGERATOR: SINGLE SECTION
#B -7	1	STAINLESS STEEL PLATE UP TABLE
#B-8	3	DISH DOLLY CART
#B-9	1	QUEEN MARY TRANSPORT CART
#B-10	1	HOT FOOD WARMING TRANSPORT CABINET
#B-11	1	STAINLESS STEEL SERVICE COUNTER: WITH DUMP SINK
#B-12	1	STAINLESS STEEL WALL SHELF
#B-13	1	WATER FILLER
#B-14	1	ICE TOTE
#B-15	2	GLASS AND CUP RACK DOLLY



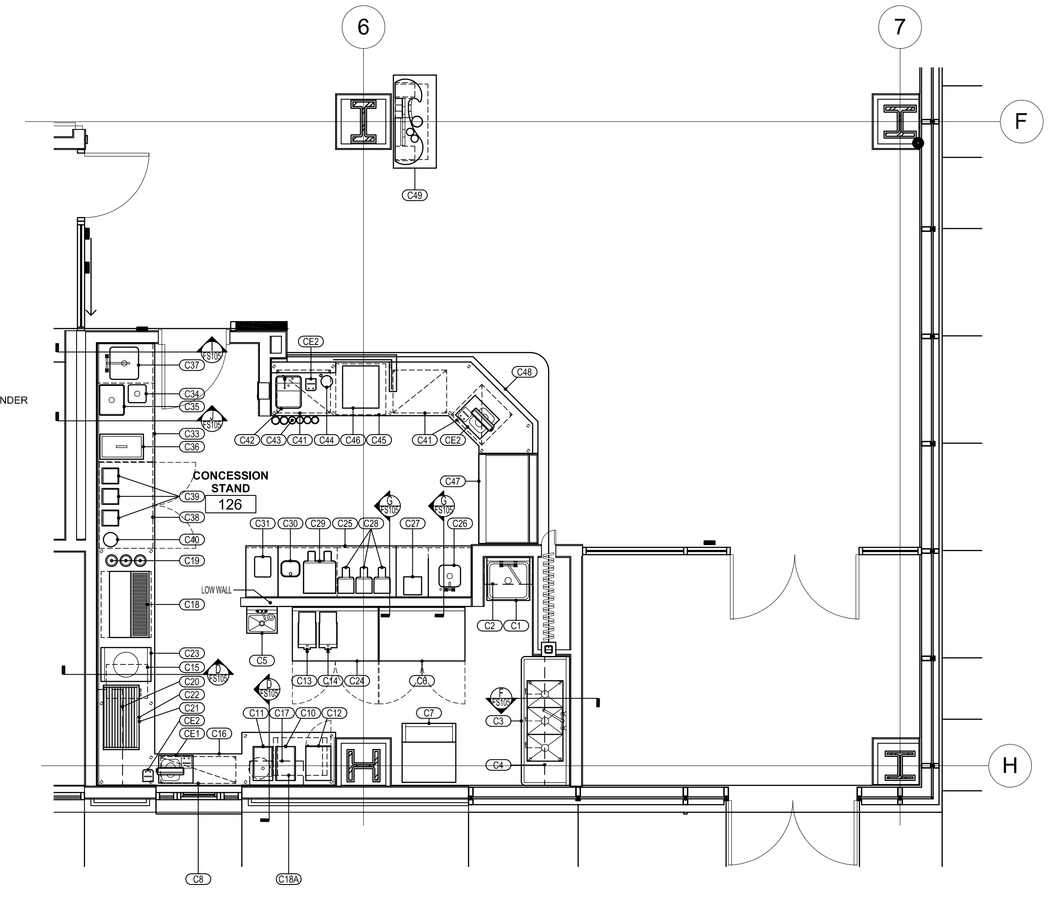
FS3 LEVEL 05 BANQUET FOOD SERVICE EQUIPMENT PLAN
1/4" = 1'-0"

CONCESSIONS & COFFEE OUTLET
SCHEDULE: FOOD SERVICE EQUIPMENT

ITEM #	QTY	DESCRIPTION
#C-1	1	MOP SINK
#C-2	1	STAINLESS STEEL WALL CABINET
#C-3	1	STAINLESS STEEL THREE COMPARTMENT SINK
#C-4	1	STAINLESS STEEL WALL SHELF
#C-5	1	WALL MOUNT HAND SINK
#C-6	1	COUNTER FREEZER: TWO DOOR, 48"W
#C-7	1	CRUSHED ICE MAKER AND BIN
#C-8	LOT	UNDERCOUNTER SHELVING
#C-9	-	SPARE NUMBER
#C-10	1	NACHO MERCHANDISING WARMER: PROVIDED BY VENDER
#C-11	1	NACHO CHEESE DISPENSER: PROVIDED BY VENDER
#C-12	1	PRETZEL MERCHANDISING WARMER: PROVIDED BY VENDER
#C-13	1	HOT CHOCOLATE DISPENSER: PROVIDED BY VENDER
#C-14	1	ICE TEA DISPENSER: PROVIDED BY VENDER
#C-15	1	UNDERCOUNTER ICE MAKER
#C-16	1	STAINLESS STEEL SERVICE COUNTER
#C-17	1	STAINLESS STEEL WALL SHELF
#C-18	1	SODA DISPENSER WITH ICE RESEVOIR
#C-18A	1	UNDERCOUNTER SODA SYRUP RACK AND CO2 TANK: PROVIDED BY VENDER
#C-19	3	CUP DISPENSERS
#C-20	1	STAINLESS STEEL WALL SHELF
#C-21	1	HOT DOG ROLLER GRILL
#C-22	1	HOT DOG BUN WARMER
#C-23	1	POPCORN MACHINE
#C-24	1	COUNTER REFRIGERATOR: TWO DOOR, 48"W
#C-25	1	COFFEE BACK SERVICE COUNTER
#C-26	1	DROP-IN STAINLESS STEEL SINK HAND SINK
#C-27	1	COFFEE GRINDER
#C-28	3	COFFEE WARMERS
#C-29	1	COFFEE BREWER
#C-30	1	WATER FILLER
#C-31	1	TRASH CHUTE
#C-32	-	SPARE NUMBER
#C-33	1	STAINLESS STEEL COLD BEVERAGE STATION
#C-34	1	BEVERAGE GLASS RINSE SINK
#C-35	1	DROP-IN STAINLESS STEEL RINSE SINK
#C-36	1	DROP-IN ICE BIN
#C-37	1	DROP-IN STAINLESS STEEL WORK SINK
#C-38	1	UNDERCOUNTER REFRIGERATOR: TWO DOOR, 48"W
#C-39	3	BLENDER
#C-40	1	JUICER
#C-41	LOT	BARRISTA UNDERCOUNTER SHELVING
#C-42	1	DROP-IN WATER STATION WITH WATER HEATER
#C-43	6	CUP HOLDERS
#C-44	1	DROP-IN DIPPER WELL
#C-45	1	UNDERCOUNTER REFRIGERATOR: ONE DOOR 27"W
#C-46	1	ESPRESSO MACHINE
#C-47	1	FOOD AND BEVERAGE REFRIGERATED AND DRY DISPLAY CASE
#C-48	1	ORDER BARISTA COUNTER: PROVIDED BY MILLWORK SECTION
#C-49	1	CONDIMENT COUNTER: MOBILE, PROVIDED BY MILLWORK SECTION

SCHEDULE: ELECTRONIC EQUIPMENT

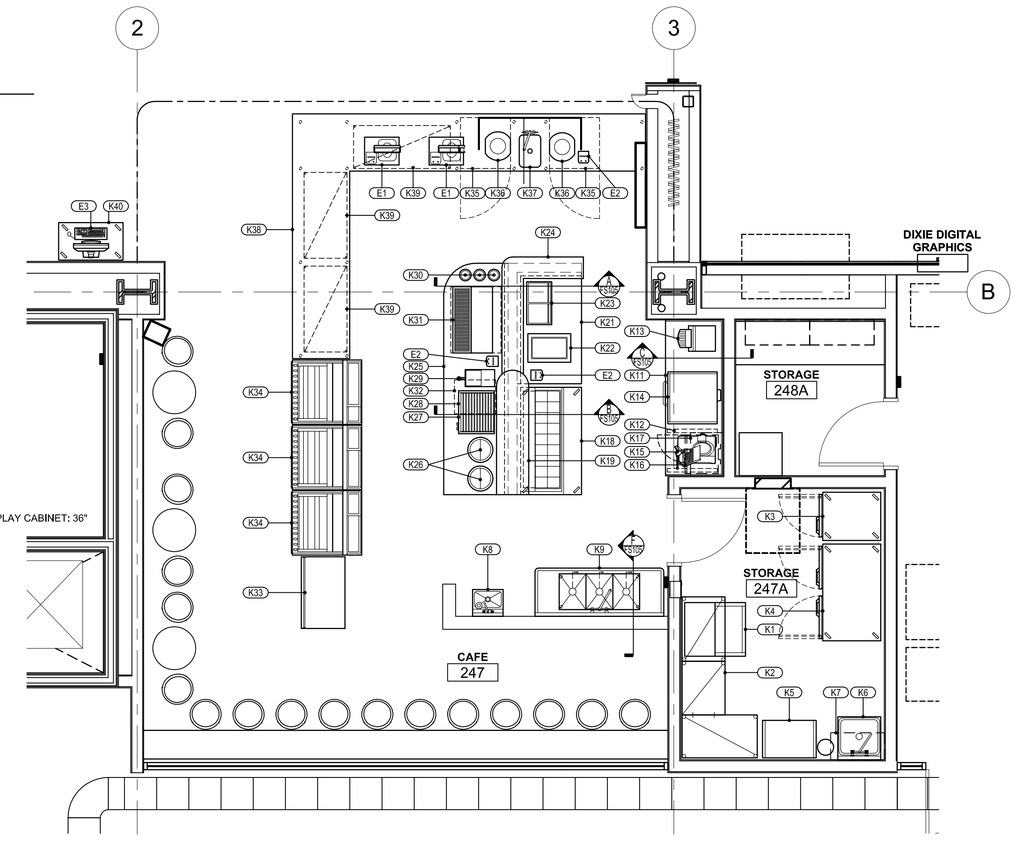
ITEM #	QTY	DESCRIPTION
#CE-1	2	COMPTER CASH REGISTER: PROVIDED BY OWNER
#CE-2	2	COMPTER PRINTER: PROVIDED BY OWNER



FS1 LEVEL 01 CONCESSION & COFFEE FOOD SERVICE EQUIPMENT PLAN
1/4" = 1'-0"

CAFE OUTLET
SCHEDULE: FOOD SERVICE EQUIPMENT

ITEM	QTY	DESCRIPTION
#K-1	1	CRUSHED ICE MAKER AND BIN
#K-2	LOT	STORAGE SHELVING
#K-3	1	REACH-IN FREEZER: SINGLE SECTION
#K-4	1	REACH-IN REFRIGERATOR: DOUBLE SECTION
#K-5	1	SODA/SYRUP RACK AND CO2 TANK: PROVIDED BY VENDER
#K-6	1	MOP SINK
#K-7	1	JANITOR WALL CABINET
#K-8	1	WALL MOUNT HAND SINK
#K-9	1	STAINLESS STEEL THREE COMPARTMENT SINK
#K-10	-	SPARE NUMBER
#K-11	1	STAINLESS STEEL WORK COUNTER
#K-12	1	BREAD RACK GUIDES IN COUNTER BASE
#K-13	1	ROTARY TOASTER
#K-14	2	COUNTER TOP TURBO OVEN
#K-15	1	SLICER
#K-16	1	MICROWAVE OVEN
#K-17	1	STAINLESS STEEL MICROWAVE SHELF
#K-18	1	REFRIGERATED PREP TABLE
#K-19	1	STAINLESS STEEL OVER SHELF
#K-20	-	SPARE NUMBER
#K-21	1	STAINLESS STEEL SERVICE COUNTER
#K-22	1	DROP-IN HOT FOOD WARMER: ONE PAN
#K-23	1	DOUBLE PANINI GRILL
#K-24	1	STAINLESS STEEL OVER SHELF
#K-25	1	STAINLESS STEEL SERVICE COUNTER
#K-26	2	DROP-IN SOUP WARMER
#K-27	1	HOT DOG ROLLER
#K-28	1	BUN WARMING DRAWER
#K-29	1	COFFEE BREWER: PROVIDED BY VENDER
#K-30	3	DROP-IN CUP DISPENSERS
#K-31	1	SODA DISPENSER WITH ICE RESEVOIR
#K-32	1	UNDERCOUNTER ICE MAKER
#K-33	1	MERCHANDISING REFRIGERATOR
#K-34	3	REFRIGERATED and NON-REFRIGERATED MERCHANDISING DISPLAY CABINET: 36"
#K-35	1	UNDERCOUNTER REFRIGERATOR
#K-36	2	SMOOTHIE MACHINES: PROVIDED BY VENDER
#K-37	1	DROP-IN STAINLESS STEEL DUMP SINK
#K-38	1	SERVICE COUNTER: PROVIDED BY OTHER SECTION
#K-39	LOT	UNDERCOUNTER SHELVING
#K-40	1	MOBILE REMOTE ORDER CART: PROVIDED BY OTHER SECTION
#KE-1	2	POS REGISTER COMPUTER: PROVIDED BY OWNER
#KE-2	3	POS PRINTER: PROVIDED BY OWNER
#KE-3	1	REMOTE ORDER COMPUTER: PROVIDED BY OWNER



FS2 LEVEL 02 CAFE FOOD SERVICE EQUIPMENT PLAN
1/4" = 1'-0"

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
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HOLLAND CENTENNIAL COMMONS
DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Job # 09625
CAD File
Drawn RCJ Checked JH
Date 12/03/2010
Owner # DFCM #06297640
Ins. #

FOOD SERVICE
EQUIPMENT PLANS

FS101

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BUILDING REQUIREMENTS
GENERAL NOTES:

A. See Plumbing Rough-In Plan for requirements for drains, water, gas and refrigeration lines.

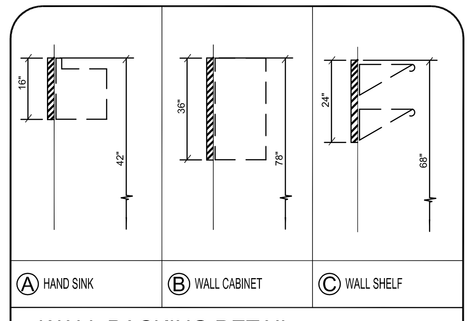
B. See Electrical Rough-In Plan for requirements for outlets, junction boxes, loads, voltages, and phases.

C. See Mechanical and Electrical Plans for requirements of ventilation systems.

D. Verify blocking requirements with suppliers for those items not provided by Kitchen Equipment Contractor.

E. All dimensions are to be field verified for compliance prior to fabrication/installation. All Dimensions shown are critical and are from finished wall.

F. See Plumbing, Electrical and Mechanical Plans for further information and requirements.

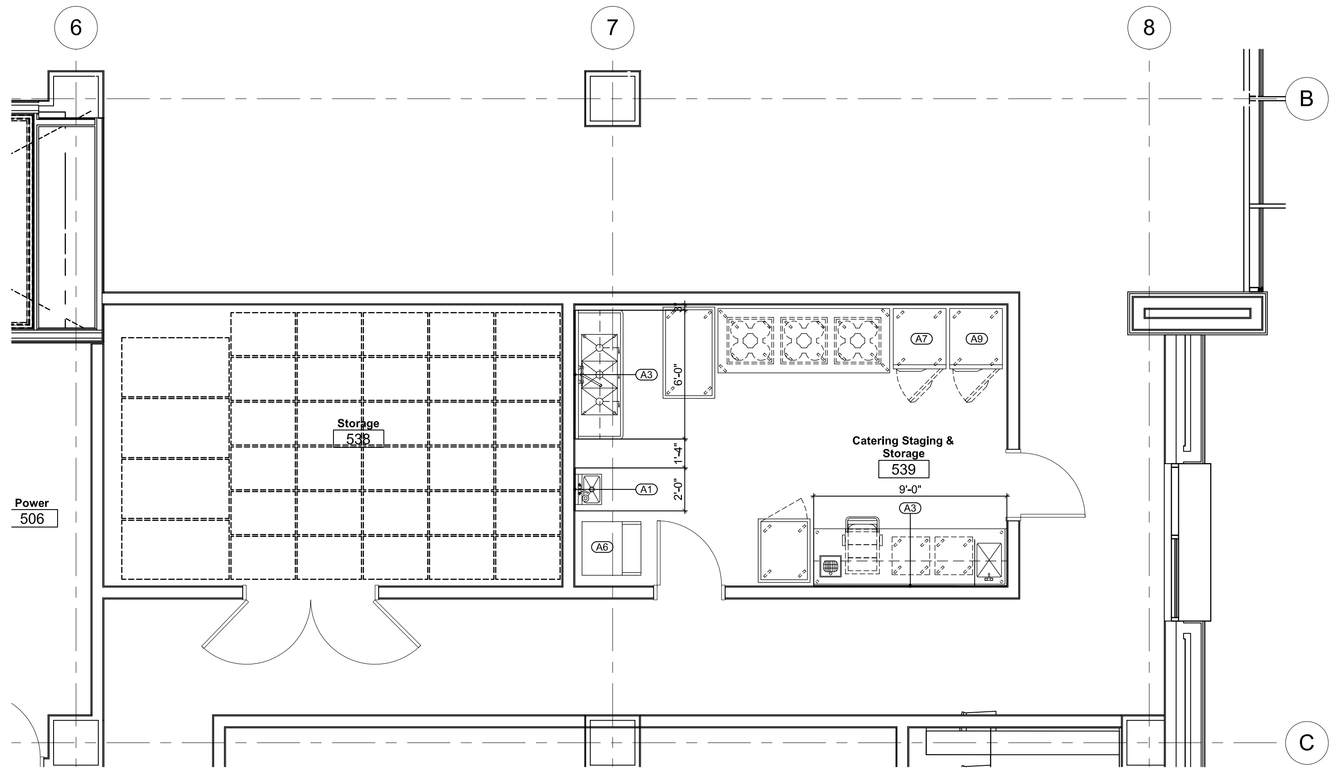


WALL BACKING DETAIL

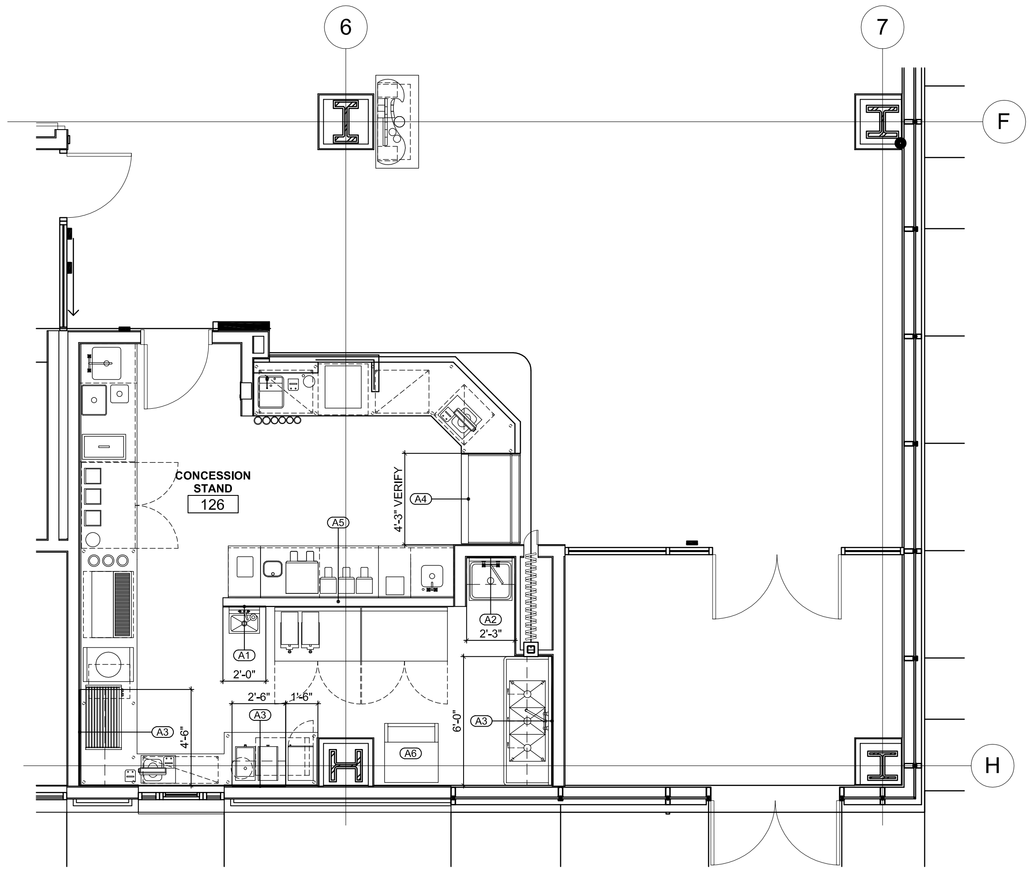
NOTES: 1. ALL DIMENSIONS ARE TO FINISHED FLOOR.
2. ALL WALLBACKING TO BE 14GA STEEL PLATE SECURELY ATTACHED TO STUDS.

BUILDING REQUIREMENT NOTE SCHEDULE

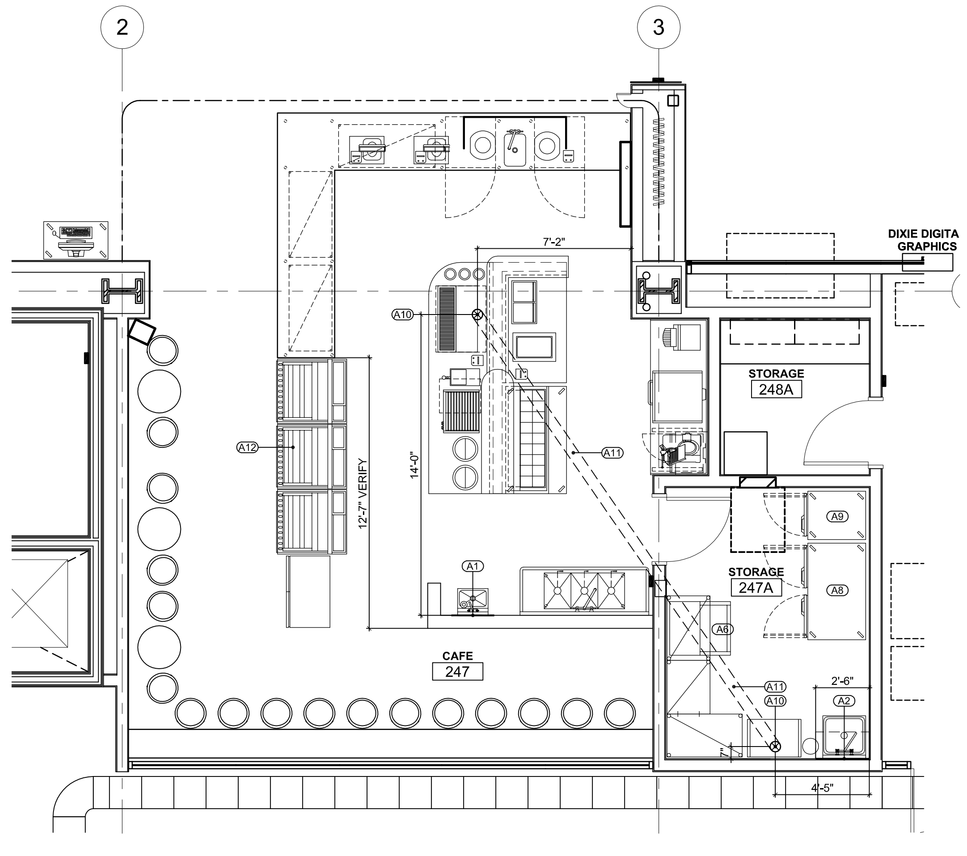
- A1 BLOCKING IN WALL FOR HAND SINK. SEE DETAIL 'A'.
- A2 BLOCKING IN WALL FOR WALL CABINET SEE DETAIL 'B'.
- A3 BLOCKING IN WALL FOR WALL SHELF SEE DETAIL 'C'.
- A4 PROVIDE OPENING FROM WALL TO START OF COUNTER TOP TO FIT MERCHANDISING CASE.
- A5 LOW WALL BETWEEN CONCESSIONS AND COFFEE SHOP AS PER ARCHITECTS DETAILS.
- A6 VENTILATION AT ICE MAKER TO EXHAUST 13.9 MBTU'S PER HOUR, PROVIDED BY MECHANICAL DIVISION.
- A7 VENTILATION AT SINGLE REFRIGERATOR TO EXHAUST 3.3 MBTU'S PER HOUR, PROVIDED BY MECHANICAL DIVISION.
- A8 VENTILATION AT DOUBLE REFRIGERATOR TO EXHAUST 5.0 MBTU'S PER HOUR, PROVIDED BY MECHANICAL DIVISION.
- A9 VENTILATION AT FREEZER TO EXHAUST 7.5 MBTU'S PER HOUR, PROVIDED BY MECHANICAL DIVISION.
- A10 6" DIAMETER PVC CHASE THROUGH FLOOR FOR SODA/SYRUP LINES FROM CHASE BELOW WITH 4" EXTENSION ABOVE FINISHED FLOOR. PROVIDE WITH SMOOTH SWEEPS NO LESS THAN 12" RADIUS. VERIFY WITH VENDER
- A11 6" DIAMETER PVC CHASE RUN BELOW FLOOR FOR SODA/SYRUP LINES FROM CHASES THROUGH FLOOR. PROVIDE WITH SMOOTH SWEEPS NO LESS THAN 12" RADIUS. VERIFY WITH VENDER.
- A12 PROVIDE COUNTER LENGTH THAT ALIGNS THE SIDE PANEL OF THE MERCHANDISING REFRIGERATOR WITH THE OUTSIDE EDGE OF THE ADJACENT LOW WALL AND ACCOMODATES THE WIDTH OF THE MERCHANDISING REFRIGERATOR, ITEM #K-33, AND THE TWO MERCHANDISING DISPLAY CASES, ITEM #K-34.



FS3 LEVEL 05 BANQUET FOOD SERVICE EQUIPMENT BUILDING REQUIREMENT PLAN
1/4" = 1'-0"



FS1 LEVEL 01 CONCESSION & COFFEE FOOD SERVICE EQUIPMENT BUILDING REQUIREMENT PLAN
1/4" = 1'-0"



FS2 LEVEL 02 CAFE FOOD SERVICE EQUIPMENT BUILDING REQUIREMENT PLAN
1/4" = 1'-0"

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
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Job # 09625
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Owner # DFCM #06297640
Ins. #

FOOD SERVICE EQUIPMENT BUILDING REQUIREMENT PLANS

FS102

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PLUMBING NOTES

1. PLUMBING PLANS SHOW ROUGH-IN POINTS AND SCHEDULED CONNECTIONS. KITCHEN EQUIPMENT CONTRACTOR WILL PROVIDE DIMENSIONED ROUGH-IN DRAWING FOR CONSTRUCTION.
2. WATER PRESSURE IN FOOD AND BEVERAGE AREAS SHOULD BE 50 PSIG (345 KPa) MAXIMUM. WATER PRESSURE AT DISHMACHINES, BOOSTER HEATERS, GLASS AND UTENSIL WASHERS TO BE 25 PSIG (172 KPa).
3. PLUMBING DIVISION SHALL FURNISH AND INSTALL ALL NECESSARY VALVES, TRAPS, TAIL PIECES, LINE STRAINERS, WATER PRESSURE REDUCING VALVES AND VACUUM BREAKERS AND CONNECT ALL WATER, FUEL GAS, STEAM AND WASTE LINES TO FOOD SERVICE AND BEVERAGE EQUIPMENT.
4. PLUMBING DIVISION SHALL INSTALL AND CONNECT ALL FAUCETS FURNISHED BY KEC.
5. PLUMBING DIVISION SHALL FURNISH AND INSTALL ALL INDIRECT SINK WASTE LINES TO FLOOR SINKS.
6. PLUMBING DIVISION TO PROVIDE DEQUATE CLEAN-OUT FOR DRAIN LINES.
7. FLOOR SINKS SHALL BE INSTALLED FLUSH WITH FINISH FLOOR OR PER LOCAL CODE WITH GRATE COVER AS INDICATED.
8. FLOOR DRAINS INDICATED ARE FOR FOOD AND BEVERAGE AREAS ONLY. ADDITIONAL GENERAL PURPOSE AREA DRAINS SHALL BE LOCATED BY THE PLUMBING ENGINEER/ ARCHITECT.

PLUMBING LEGEND

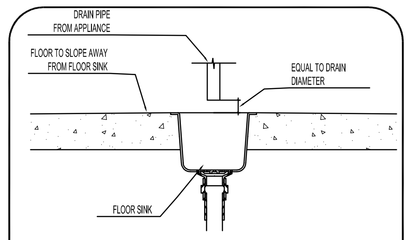
- HOT WATER
- COLD WATER
- GAS
- DIRECT WASTE DRAIN
- INDIRECT WASTE DRAIN
- FLOOR SINK WITH NO GRATE COVER
- FLOOR SINK WITH 1/2 GRATE COVER
- FLOOR SINK WITH 3/4 GRATE COVER
- STUB UP FROM FLOOR
- MOUNT AT FLOOR
- DROP FROM ABOVE
- FLOOR DRAIN

NOTE: PLUMBING MOUNTING

ALL WALL MOUNT PLUMBING UTILITIES ARE TO BE FLUSH MOUNTED IN WALLS WITH NO EXPOSED PIPING SHOWING ON SURFACE OF WALLS. ARCHITECT TO PROVIDE MINIMUM WALL FURING IF REQUIRED.

NOTE: PLUMBING COORDINATION

KITCHEN EQUIPMENT CONTRACTOR TO VERIFY AND COORDINATE PROPER LOCATION AND SIZE OF GENERAL CONTRACTOR FURNISHED STRUCTURAL PENETRATIONS AND PLUMBING DIVISION FURNISHED SLEEVES THRU FLOOR.



FLOOR SINK SECTION DETAIL

PLUMBING ROUGH-IN/FINAL CONNECTION SCHEDULE
CONCESSIONS

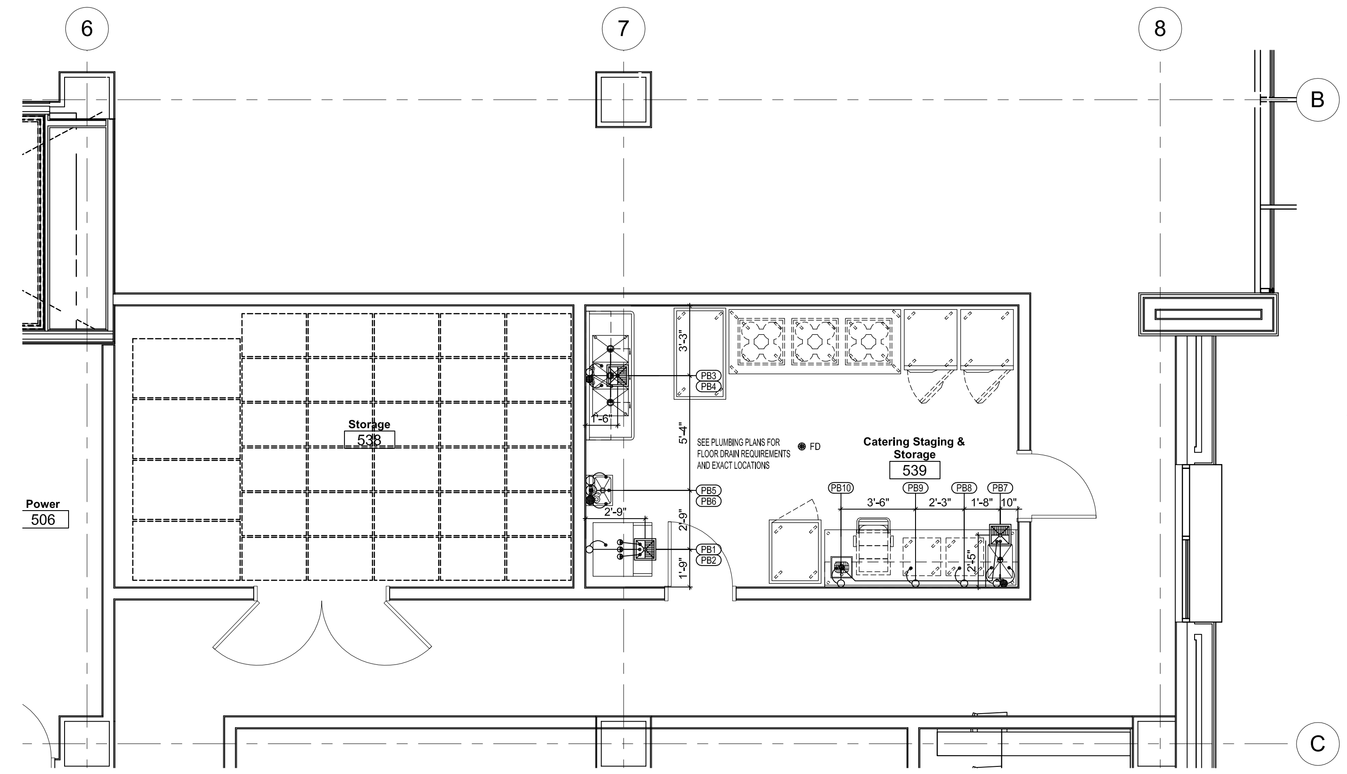
ROUGH-IN REQUIREMENTS				CONNECTION REQUIREMENTS				REMARKS
R#	ROUGH-IN TYPE	SIZE	HGT	#	ITEM #:EQUIPMENT DESCRIPTION	SIZE	HGT	REMARK
PC-01	DIRECT DRAIN	1-1/2"	+16"	–	#C1 :MOP SINK	1-1/2"	+28"	–
PC-02	HOT & COLD WATER	1/2"	+16"	–	#C1 :MOP SINK	1/2"	+36"	–
PC-03	FLOOR SINK	2"	+0"	A	#C7 :ICE MAKER	1"	+54"	NOTE #1. HALF GRATE TOP.
				B	#C7 :ICE MAKER	1"	+54"	NOTE #1.
				C	#C7 :ICE BIN	1"	+4"	NOTE #1.
PC-04	COLD WATER	1/2"	+72"	–	#C7 :ICE MAKER	1/2"	+66"	INSTALL IN LINE FILTER SYSTEM
PC-05	FLOOR SINK	2"	+0"	–	#C3 :THREE COMPARTMENT SINK	1"	+12"	NOTE #1. THREE EACH CONNECTIONS HALF GRATE TOP.
PC-06	HOT & COLD WATER	1/2"	+18"	–	#C3 :THREE COMPARTMENT SINK	1/2"	+36"	–
PC-07	COLD WATER	1/2"	+12"	A	#C13 :DRINK DISPENSER	1/2"	+36"	VERIFY WITH VENDER.
				B	#C14 :DRINK DISPENSER	1/2"	+36"	VERIFY WITH VENDER.
PC-08	DIRECT DRAIN	1-1/2"	+18"	–	#C5 :HAND SINK	1-1/2"	+28"	–
PC-09	HOT & COLD WATER	1/2"	+18"	–	#C5 :HAND SINK	1/2"	+36"	–
PC-10	FLOOR SINK	2"	+0"	A	#C15 :ICE MAKER	1"	+12"	NOTE #1. HALF GRATE TOP
				B	#C15 :ICE MAKER	1"	+12"	NOTE #1.
				C	#C18 :ICE BIN	1"	+4"	NOTE #1.
				E	#C18 :SODA DISPENSER	1"	+34"	NOTE #1. VERIFY WITH VENDER
PC11A	COLD WATER	1/2"	+12"	–	#C15 :ICE MAKER	1/2"	+18"	INSTALL IN LINE FILTER SYSTEM
PC11B	COLD WATER	1/2"	12"	–	#C18 :SODA/ICE DISPENSER	1/2"	+36"	INSTALL FILTER. VERIFY WITH VENDER
PC-12	FLOOR SINK	2"	+0"	A	#C35 :WATER STATION RINSE SINK	3/4"	+30"	NOTE #1. HALF GRATE TOP.
				B	#C34 :BEVERAGE RINSE SINK	2"	+24"	NOTE #1.
				C	#C36 :ICE BIN	1"	+30"	NOTE #1.
				D	#C37 :WORK SINK	2"	+24"	NOTE #1.
PC-13	HOT & COLD WATER	1/2"	+18"	A	#C35 :WATER STATION RINSE SINK	1/2"	+36"	–
				B	#C34 :BEVERAGE RINSE SINK	1/2"	+36"	–
PC-14	HOT & COLD WATER	1/2"	+18"	–	#C37 :WORK SINK; FAUCET	1/2"	+36"	–
PC-15	NOT USED							
PC-16	FLOOR SINK	2"	+0"	A	#C26 :DROP-IN HAND SINK	1-1/2"	+24"	HALF GRATE TOP. NOTE #1.
				B	#C30 :WATER FILLER	1/2"	+24"	NOTE #1.
PC-17	COLD WATER	1/2"	+12"	–	#C30 :WATER FILLER	1/4"	+30"	–
PC-18	HOT & COLD WATER	1/2"	+18"	–	#C26 :DROP-IN HAND SINK; FAUCET	1/2"	+36"	–
PC-19	FLOOR SINK	2"	+0"	A	#C44 :DIPPER WELL	1/2"	+24"	HALF GRATE TOP. NOTE #1.
				B	#C42 :WATER STATION	1"	+28"	NOTE #1.
				C	#C46 :ESPRESSO MACHINE	1"	+36"	NOTE #1.
PC-20	FILTERED COLD WATER	1/2"	STUB	A	#C46 :ESPRESSO MACHINE	3/8"	+54"	–
				B	#C42 :WATER STATION; INSTA HOT WATER TAP	3/8"	+36"	–
				C	#C42 :WATER STATION; WATER TOWER	3/8"	+36"	–
PC-21	COLD WATER	1/2"	STUB	–	#C44 :DIPPER WELL	1/4"	+30"	–

NOTE #1: PROVIDE INDIRECT AIR GAP DRAIN TO FLOOR SINK.

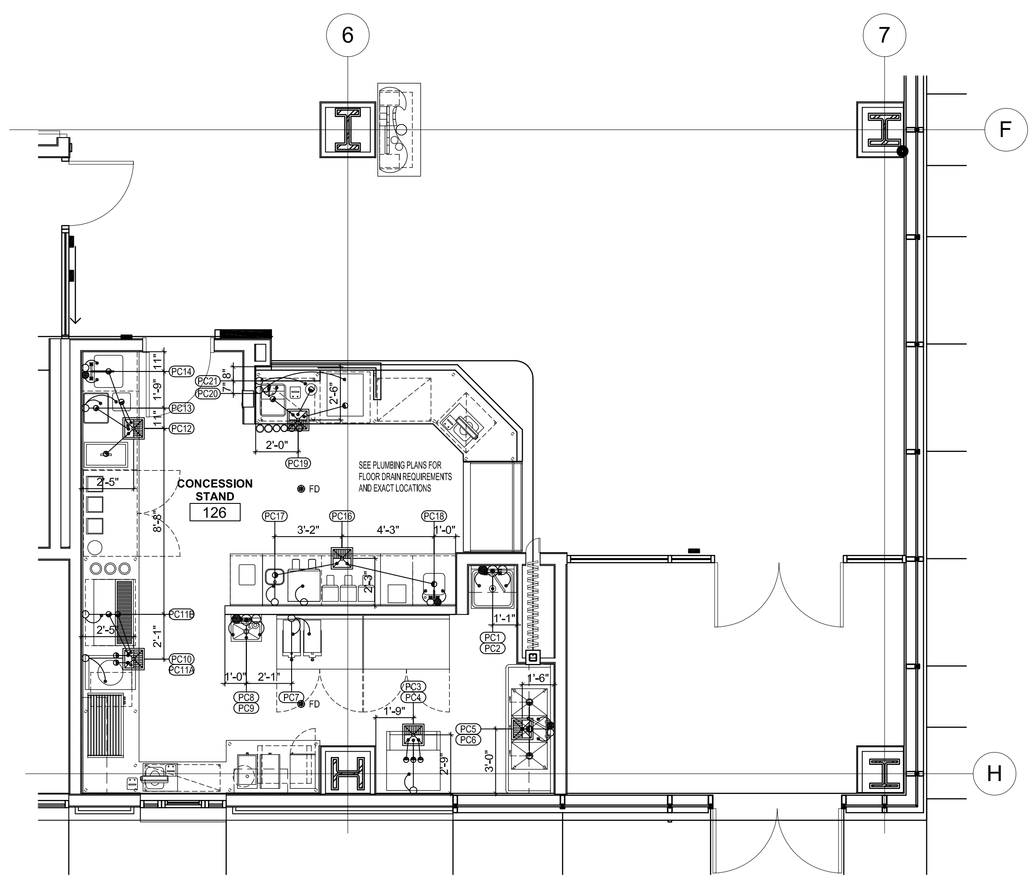
PLUMBING ROUGH-IN/FINAL CONNECTION SCHEDULE
BANQUET SERVICE

ROUGH-IN REQUIREMENTS				CONNECTION REQUIREMENTS				REMARKS
R#	ROUGH-IN TYPE	SIZE	HGT	#	ITEM #:EQUIPMENT DESCRIPTION	SIZE	HGT	REMARK
P-03	FLOOR SINK	2"	+0"	A	#B1 :ICE MAKER	1"	+54"	NOTE #1. HALF GRATE TOP.
				B	#B1 :ICE MAKER	1"	+54"	NOTE #1.
				C	#B1 :ICE BIN	1"	+4"	NOTE #1.
P-04	COLD WATER	1/2"	+72"	–	#B1 :ICE MAKER	1/2"	+66"	INSTALL IN LINE FILTER SYSTEM
P-05	FLOOR SINK	2"	+0"	–	#B3 :THREE COMPARTMENT SINK	1"	+12"	NOTE #1. THREE EACH CONNECTIONS
P-06	HOT & COLD WATER	1/2"	+18"	–	#B3 :THREE COMPARTMENT SINK	1/2"	+36"	–
P-07	DIRECT DRAIN	1-1/2"	+18"	–	#B2 :HAND SINK	1-1/2"	+28"	–
P-08	HOT & COLD WATER	1/2"	+18"	–	#B2 :HAND SINK	1/2"	+36"	–
P-14	FLOOR SINK	2"	+0"	A	#B11 :UTILITY SINK	1/2"	+30"	HALF GRATE TOP. NOTE #1.
				B	#B13 :WATER DISPENSER	1/2"	+36"	NOTE #1.
P-15	HOT & COLD WATER	1/2"	+18"	–	#B11 :UTILITY SINK; FAUCET	1/2"	+36"	–
P-16	COLD WATER	1/2"	+18"	–	– :FUTURE USE			
P-17	COLD WATER	1/2"	+18"	–	– :FUTURE USE			
P-18	COLD WATER	1/2"	+18"	–	#B13 :WATER DISPENSER	1/4"	+36"	–

NOTE #1: PROVIDE INDIRECT AIR GAP DRAIN TO FLOOR SINK.



FS3 LEVEL 05 BANQUET FOOD SERVICE EQUIPMENT PLUMBING REQUIREMENT PLAN
1/4" = 1'-0"

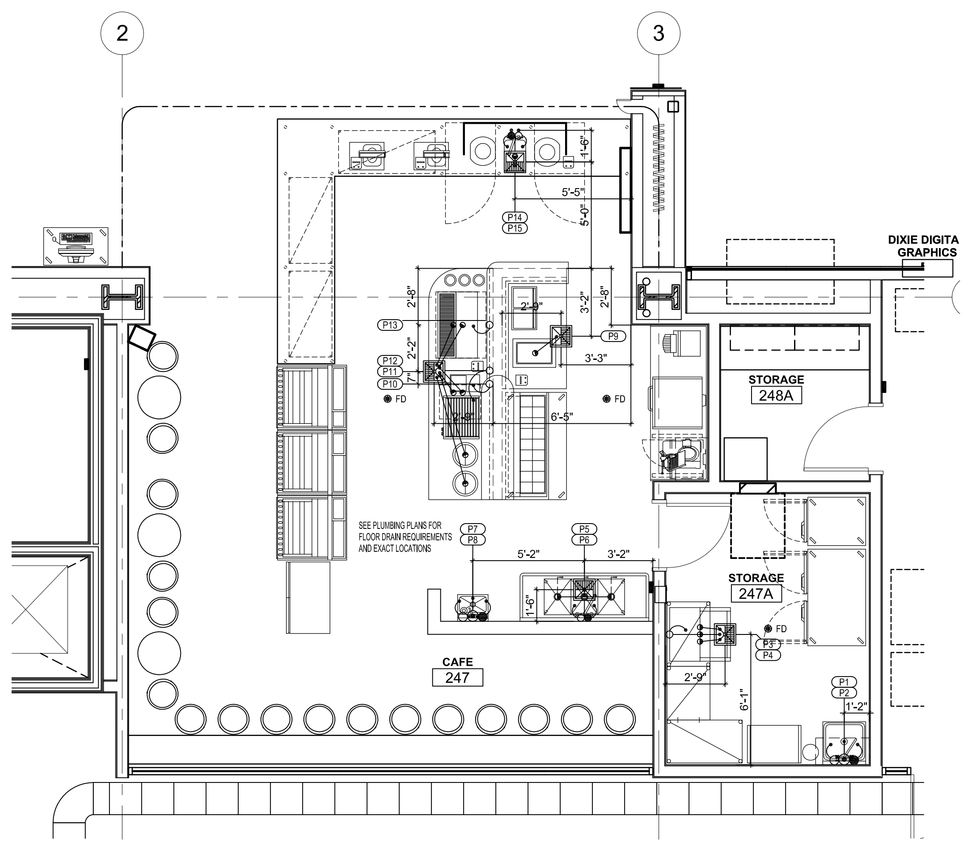


FS1 LEVEL 01 CONCESSION & COFFEE FOOD SERVICE EQUIPMENT PLUMBING REQUIREMENT PLAN
1/4" = 1'-0"

PLUMBING ROUGH-IN/FINAL CONNECTION SCHEDULE
CAFE

ROUGH-IN REQUIREMENTS				CONNECTION REQUIREMENTS				REMARKS
R#	ROUGH-IN TYPE	SIZE	HGT	#	ITEM #:EQUIPMENT DESCRIPTION	SIZE	HGT	REMARK
P-01	DIRECT DRAIN	1-1/2"	+16"	–	#K6 :MOP SINK	1-1/2"	+28"	–
P-02	HOT & COLD WATER	1/2"	+16"	–	#K6 :MOP SINK	1/2"	+36"	–
P-03	FLOOR SINK	2"	+0"	A	#K1 :ICE MAKER	1"	+54"	NOTE #1. HALF GRATE TOP.
				B	#K1 :ICE MAKER	1"	+54"	NOTE #1.
				C	#K1 :ICE BIN	1"	+4"	NOTE #1.
P-04	COLD WATER	1/2"	+72"	–	#K1 :ICE MAKER	1/2"	+66"	INSTALL IN LINE FILTER SYSTEM
P-05	FLOOR SINK	2"	+0"	–	#K9 :THREE COMPARTMENT SINK	1"	+12"	NOTE #1. THREE EACH CONNECTIONS HALF GRATE TOP.
P-06	HOT & COLD WATER	1/2"	+18"	–	#K9 :THREE COMPARTMENT SINK	1/2"	+36"	–
P-07	DIRECT DRAIN	1-1/2"	+18"	–	#K8 :HAND SINK	1-1/2"	+28"	–
P-08	HOT & COLD WATER	1/2"	+18"	–	#K8 :HAND SINK	1/2"	+36"	–
P-09	FLOOR SINK	2"	+0"	–	#K22 :HOT FOOD WARMER	1"	+20"	NOTE #1. HALF GRATE TOP.
P-10	COLD WATER	1/2"	+12"	–	#K29 :COFFEE MAKER	1/2"	+36"	INSTALL FILTER. VERIFY WITH VENDER.
P-11	FLOOR SINK	2"	+0"	A	#K32 :ICE MAKER	1"	+12"	NOTE #1. HALF GRATE TOP
				B	#K32 :ICE MAKER	1"	+12"	NOTE #1.
				C	#K31 :ICE BIN	1"	+4"	NOTE #1.
				E	#K31 :SODA DISPENSER	1"	+34"	NOTE #1. VERIFY WITH VENDER
				F	#K26 :SOUP WARMER	1"	+24"	NOTE #1.
				G	#K26 :SOUP WARMER	1"	+24"	NOTE #1.
P-12	COLD WATER	1/2"	+12"	–	#K32 :ICE MAKER	1/2"	+18"	INSTALL IN LINE FILTER SYSTEM
P-13	COLD WATER	1/2"	12"	–	#K31 :SODA/ICE DISPENSER	1/2"	+36"	INSTALL FILTER. VERIFY WITH VENDER
P-14	HOT & COLD WATER	1/2"	STUB	–	#K37 :UTILITY SINK	1/2"	+30"	–
P-15	FLOOR SINK	2"	+0"	–	#K37 :UTILITY SINK	1"	+12"	NOTE #1. HALF GRATE TOP.

NOTE #1: PROVIDE INDIRECT AIR GAP DRAIN TO FLOOR SINK.



FS2 LEVEL 02 CAFE FOOD SERVICE EQUIPMENT PLUMBING REQUIREMENT PLAN
1/4" = 1'-0"

VCBO ARCHITECTURE
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HOLLAND CENTENNIAL COMMONS
DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Job # 09625
CAD File
Drawn RCJ Checked JH
Date 12/03/2010
Owner # DFCM #06297640
Ins. #

FOOD SERVICE EQUIPMENT PLUMBING REQUIREMENT PLANS

FS103

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ELECTRICAL LEGEND

- ELECTRICAL OUTLET
- JUNCTION BOX
- CONVENIENCE DUPLEX RECEPTACLE
- FLEX CONNECTION (CONTINUOUS WIRE FROM ROUGH-IN TO JUNCTION/OUTLET LOCATION)
- DATA CONDUIT
- SWITCH
- CONTROLS
- STUB FROM FLOOR
- DROP FROM ABOVE
- DROP CORD FROM CEILING TO +72" A.F.F.
- FLOOR MOUNTED
- PHONE

ELECTRICAL NOTES

1. ELECTRICAL PLAN SHOWS ROUGH-IN POINTS AND SCHEDULED CONNECTIONS. KITCHEN EQUIPMENT CONTRACTOR WILL PROVIDE DIMENSIONED ROUGH-IN DRAWINGS FOR CONSTRUCTION.
2. ELECTRICAL SYSTEM IS DESIGNED FOR 120/208 VOLTS, 1&3 PHASE, 60 HERTZ, 4 WIRE SYSTEM.
3. ELECTRICAL DIVISION SHALL FURNISH AND INSTALL ALL JUNCTION BOXES, RECEPTACLES, COVER PLATES, PULL BOXES, CONDUIT AND WIRING EXCEPT WHERE NOTED. RECEPTACLES AND COVER PLATES SHALL BE BRUSHED STAINLESS STEEL FURNISHED BY ELECTRICAL DIVISION.
4. ALL CONDUIT RUNS INDICATED FOR REFRIGERATION, DRINK AND LIQUOR SYSTEM LINES SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL DIVISION. CONDUIT SHALL HAVE 24" (600MM) MINIMUM RADIUS BENDS.
5. KITCHEN EQUIPMENT CONTRACTOR SHALL FURNISH AND INSTALL VAPOR PROOF VENTILATOR LIGHTS COMPLETE WITH LAMPS. INTERCONNECTING CONDUIT, WIRING WITH WALL SWITCH FURNISHED AND INSTALLED BY THE ELECTRICAL DIVISION.
6. ADDITIONAL CONVENIENCE RECEPTACLES, TELEPHONE AND INTERCOM JACKS AND TEMPERATURE MONITORING SYSTEM ETC.. SHALL BE LOCATED BY THE ELECTRICAL ENGINEER/ ARCHITECT AND AS REQUIRED BY CODE.
7. KITCHEN EQUIPMENT CONTRACTOR SHALL FURNISH DISPOSER CONTROLS. ELECTRICAL DIVISION SHALL FURNISH AND INSTALL INTER-CONNECTING CONDUIT AND WIRE BETWEEN SWITCH, DISPOSER AND COMPONENTS.
8. ELECTRICAL DIVISION SHALL FURNISH AND INSTALL ALL INTERCONNECTING CONDUIT AND WIRING BETWEEN MICRO-SWITCH AND SOLENOID FUEL SHUT OFF VALVE FURNISHED WITH FIRE SUPPRESSION SYSTEM SUPPLIED BY THE KITCHEN EQUIPMENT CONTRACTOR.
9. PRE-FABRICATED COLD STORAGE ROOMS ARE FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR COMPLETE WITH SPLICE BOXES, LIGHT FIXTURES, LAMPS, LIGHT SWITCHES AND DOOR HEATERS. ELECTRICAL DIVISION TO INSTALL SAME AND SHALL FURNISH AND INSTALL INTERCONNECTING CONDUIT, WIRING SEALOFFS, SEALANT AND MAKE FINAL CONNECTIONS.
10. ELECTRICAL DIVISION SHALL FURNISH AND INSTALL ALL INTERCONNECTING CONDUIT AND WIRING BETWEEN KITCHEN EQUIPMENT CONTRACTOR FURNISHED LOW TEMP COLD STORAGE ROOM EVAPORATOR TERMINAL BLOCK, SWITCH, FAN DOOR SWITCH AND COMPRESSOR CONTROL PANEL.
11. ELECTRICAL DIVISION SHALL FURNISH AND INSTALL EMPTY CONDUIT WITH JUNCTION BOXES FOR INSTALLATION OF OWNER SUPPLIED I.T. EQUIPMENT INCLUDING POS/ ELECTRONIC CASH CONTROL SYSTEM. ELECTRICAL DIVISION TO VERIFY INSTALLATION IN ACCORDANCE WITH OWNER'S REQUIREMENTS AND MANUFACTURER'S INSTRUCTIONS.
12. ELECTRICAL DIVISION SHALL FURNISH AND INSTALL DISCONNECTS FOR ALL ELECTRICAL EQUIPMENT UNDER HOOD ACTIVATED BY FIRE SUPPRESSION SYSTEM.

NOTE: ELECTRICAL MOUNTING

ALL WALL MOUNT ELECTRICAL RECEPTACLE AND J-BOXES ARE TO BE FLUSH MOUNTED IN WALLS WITH NO EXPOSED CONDUIT SHOWING ON SURFACE OF WALLS. ARCHITECT TO PROVIDE MINIMUM WALL FURRING IF REQUIRED.

NOTE: POS ELECTRICAL

120V, 1 PHASE, SERVICE, 10.0 AMPS, STUB AS NOTED, FOR POS/PRE-CHECK SYSTEM STATIONS. (DEDICATED CIRCUIT, ISOLATED GROUND, PROVIDE (ADD PHONE LINE) EMPTY J-BOX WITH CONDUIT FOR INTERCONNECTING POS SYSTEM, PRE-CHECK AND PRINTERS) (VERIFY ALL REQUIREMENTS WITH POS SYSTEM SUPPLIER.)

NOTE: WALK-IN ELECTRICAL

ALL CONDUIT SHALL BE RUN ON THE EXTERIOR CEILING OF ALL COLD STORAGE ROOMS AND SHALL PENETRATE THE CEILING AT A POINT WHERE THE CONDUIT CAN DROP DIRECTLY TO THE POINT OF CONNECTION. UNDER NO CIRCUMSTANCES, WILL ELECTRICAL CONDUIT BE PERMITTED ON THE INTERIOR.

ELECTRICAL ROUGH-IN/FINAL CONNECTION SCHEDULE

CONCESSIONS

ROUGH-IN REQUIREMENTS			CONNECTION REQUIREMENTS				REMARKS
RI#	ROUGH-IN TYPE	HGT.	ITEM # : EQUIPMENT DESCRIPTION	VLT/CYC/PH	LOAD	CONN	REMARK
EC-01	JUNCTION BOX	+60"	#C7 : ICE MAKER	208/60/1	19 AMP	J-BOX	–
EC-02	OUTLET	+18"	#C6 : FREEZER TABLE	120/60/1	8 AMP	C&P	–
EC-03	OUTLET	+18"	#C24 : REFRIGERATED TABLE	120/60/1	7 AMP	C&P	–
EC-04	CONVENIENCE OUTLET	+48	– : WORK COUNTER	120/60/1	10 AMP	C&P	–
EC-05	CONVENIENCE OUTLET	+48	: WORK COUNTER	120/60/1	10 AMP	C&P	–
EC-06	OUTLET	+48"	#C14 : BEVERAGE DISPENSER	120/60/1	14 AMP	C&P	VERIFY WITH VENDER
EC-07	OUTLET	+48"	#C13 : BEVERAGE DISPENSER	120/60/1	14 AMP	C&P	VERIFY WITH VENDER
EC-08	OUTLET	+48"	#C10 : NACHO CHEESE DISPENSER	120/60/1	3.5 AMP	C&P	VERIFY WITH VENDER
EC-09	NOT USED						
EC-10	OUTLET	+48"	#C12 : PRETZEL WARMER	120/60/1	2 AMP	C&P	–
EC-11	OUTLET	+18"	#E1 : POS REGISTER	120/60/1	VERIFY	C&P	NOTE #1.
EC-12	DATA OUTLET	STUB	#E1 : POS REGISTER	–	–	–	NOTE #2.
EC-13	OUTLET	STUB	#E2 : POS PRINTER	120/60/1	VERIFY	C&P	NOTE #1.
EC-14	DATA OUTLET	STUB	#E2 : POS PRINTER	–	–	–	NOTE #2.
EC-15	NOT USED						
EC-16	OUTLET	+18"	#C18A : SODA SYSTEM RACK	120/60/1	10 AMP	C&P	VERIFY WITH VENDER
EC-17	OUTLET	+48	#C21 : HOT DOG GRILL	120/60/1	12.8 AMP	C&P	–
EC-18	OUTLET	+48"	#C22 : BUN WARMER	120/60/1	5 AMP	C&P	–
EC-19	OUTLET	+48"	#C23 : POPCORN POPPER	230/60/1	9.4 AMP	C&P	–
EC-20	JUNCTION BOX	+18"	#C15 : ICE MAKER	115/60/1	11 AMP	J-BOX	–
EC-21	OUTLET	+12"	#C18 : SODA AND ICE DISPENSER	120/60/1	7 AMP	C&P	–
EC-22	OUTLET	+18"	#C38 : REFRIGERATED TABLE	120/60/1	7 AMP	C&P	–
EC-23	OUTLET	+48	#C44 : JUICER	120/60/1	1/4 HP	C&P	–
EC-24	OUTLET	+48"	#C39 : BLENDER	115/60/1	1500 WATT	C&P	–
EC-25	OUTLET	+48"	#C39 : BLENDER	115/60/1	1500 WATT	C&P	–
EC-26	OUTLET	+48"	#C39 : BLENDER	115/60/1	1500 WATT	C&P	–
EC-27	NOT USED						
EC-28	OUTLET	+48"	#C29 : COFFEE BREWER	120-208/60/1	36 AMP	C&P	–
EC-29	OUTLET	+48"	#C28 : COFFEE WARMER	120/60/1	1 AMP	C&P	–
EC-30	OUTLET	+48"	#C28 : COFFEE WARMER	120/60/1	1 AMP	C&P	–
EC-31	OUTLET	+48"	#C28 : COFFEE WARMER	120/60/1	1 AMP	C&P	–
EC-32	OUTLET	+48"	#C28 : COFFEE GRINDER	110/60/1	6 AMP	C&P	–
EC-33	OUTLET	+18"	#C45 : REFRIGERATED BASE	115/60/1	7 AMP	C&P	–
EC-34	OUTLET	+24"	#C29 : ESPRESSO MACHINE	208/60/1	31.7 AMP	C&P	–
EC-35	OUTLET	+18"	#C42 : HOT WATER DISPENSER	120/60/1	12 AMP	C&P	–
EC-36	OUTLET	+18"	#E2 : POS PRINTER	120/60/1	VERIFY	C&P	NOTE #1.
EC-37	DATA OUTLET	+18"	#E2 : POS PRINTER	–	–	–	NOTE #2
EC-38	JUNCTION BOX	+12"	#C47 : REFRIGERATED DISPLAY CABINET	220/60/1	17 AMP	J-BOX	–
EC-39	OUTLET	+12"	#C47 : REFRIGERATED DISPLAY CABINET	115/60/1	2.5 AMP	C&P	–
EC-40	OUTLET	STUB	#E2 : POS PRINTER	120/60/1	VERIFY	C&P	NOTE #1 & #3.
EC-41	DATA OUTLET	STUB	#E2 : POS PRINTER	–	–	–	NOTE #2 & #3.

NOTE #1: VERIFY THE REQUIREMENTS OF THE POS SYTEM WITH THE SUPPLIER INCLUDING ELECTRICAL REQUIREMENTS AND THE INTERCONNECTION REQUIREMENTS.
NOTE #2: PROVIDE DATA CONDUIT AS REQUIRED BY POS SUPPLIER. VERIFY INTERCONNECTION REQUIREMENTS BETWEEN COMPONENTS OF SYSTEM. INTERCONNECTION REQUIREMENTS.
NOTE #3: RUN FROM ROUGH-IN AND MOUNT TO OUTLET/JUNCTION BOX MOUNTED IN CABINET BASE.

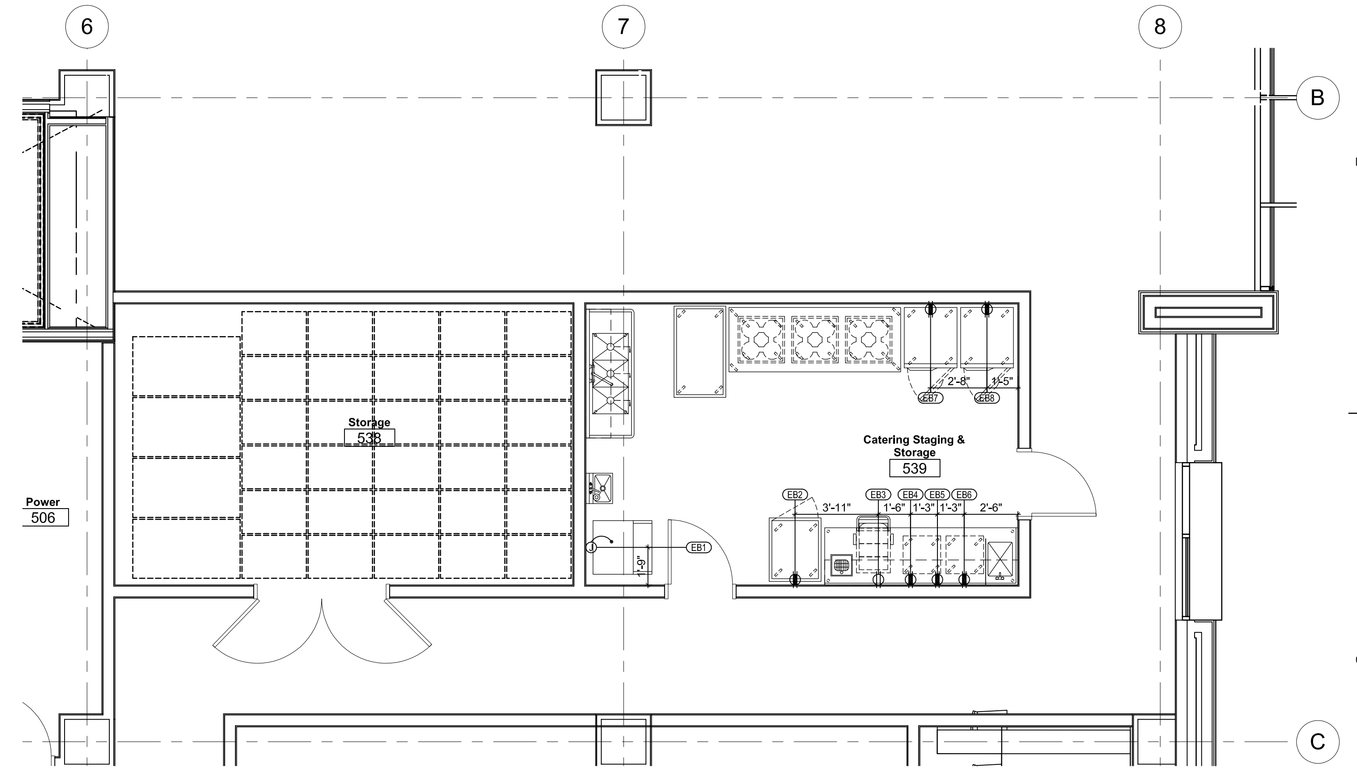
DFA: DROP FROM ABOVE
J-BOX: JUNCTION BOX CONNECTION
C&P: CORD AND PLUG CONNECTION
AMP: AMPERES
HP: HORSE POWER

ELECTRICAL ROUGH-IN/FINAL CONNECTION SCHEDULE

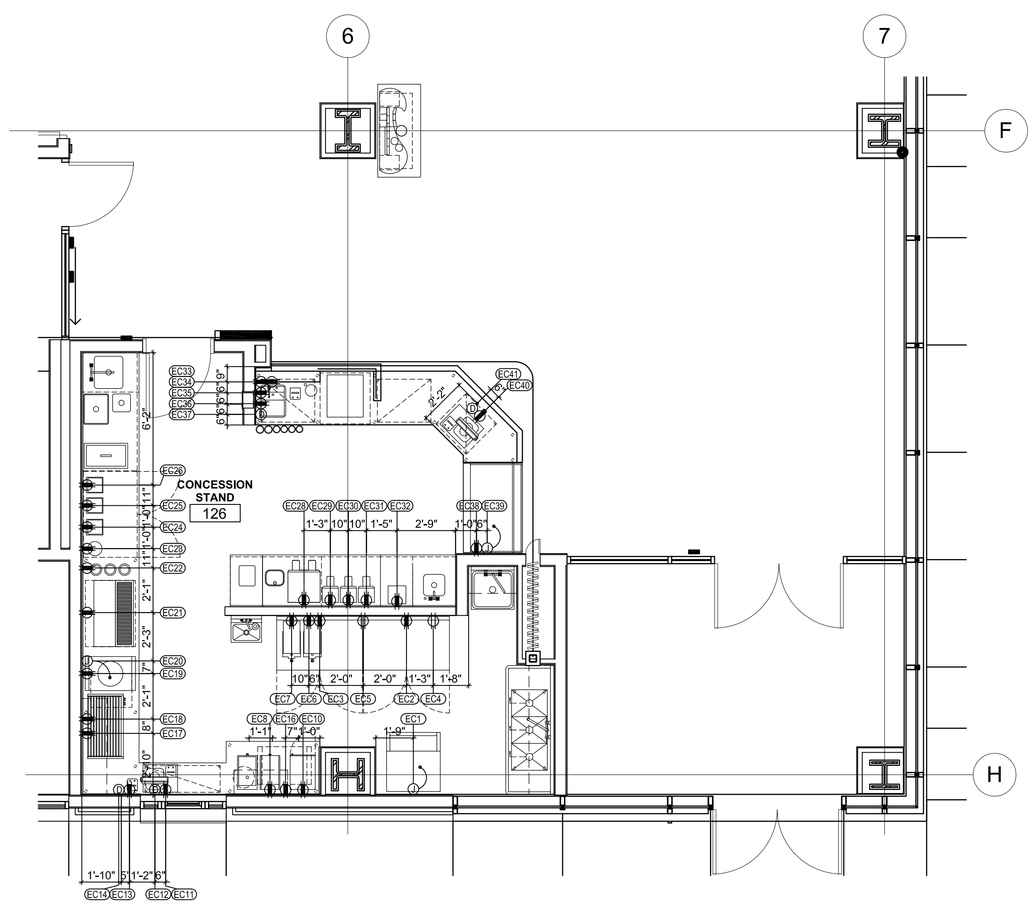
CONCESSIONS

ROUGH-IN REQUIREMENTS			CONNECTION REQUIREMENTS				REMARKS
RI#	ROUGH-IN TYPE	HGT.	ITEM # : EQUIPMENT DESCRIPTION	VLT/CYC/PH	LOAD	CONN	REMARK
EB-01	JUNCTION BOX	+60"	#B17 : ICE MAKER	208/60/1	19 AMP	J-BOX	–
EB-02	OUTLET	+18"	#B10 : HOT FOOD WARMING CABINET	120/60/1	13.3 AMP	C&P	–
EB-02	CONVENIENCE OUTLET	+48"	#B11 : SERVICE COUNTER	120/60/1	10 AMP	C&P	–
EB-04	OUTLET	+48"	– : BEVERAGE DISPENSER	120/60/1	14 AMP	C&P	FUTURE ITEM
EB-05	OUTLET	+48"	– : BEVERAGE DISPENSER	120/60/1	14 AMP	C&P	FUTURE ITEM
EB-06	OUTLET	+48"	– : COFFEE BREWING SYSTEM	208/60/1	20 AMP	C&P	FUTURE ITEM
EB-07	OUTLET	+18"	#B6 : REACH-IN REFRIGERATOR	120/60/1	8.5 AMP	C&P	–
EB-08	OUTLET	+18"	#B5 : REACH-IN FREEZER	120/60/1	10.8 AMP	C&P	–

DFA: DROP FROM ABOVE
J-BOX: JUNCTION BOX CONNECTION
C&P: CORD AND PLUG CONNECTION
AMP: AMPERES
HP: HORSE POWER



FS3 LEVEL 05 BANQUET FOOD SERVICE EQUIPMENT ELECTRICAL REQUIREMENT PLAN
1/4" = 1'-0"



FS1 LEVEL 01 CONCESSION & COFFEE FOOD SERVICE EQUIPMENT ELECTRICAL REQUIREMENT PLAN
1/4" = 1'-0"

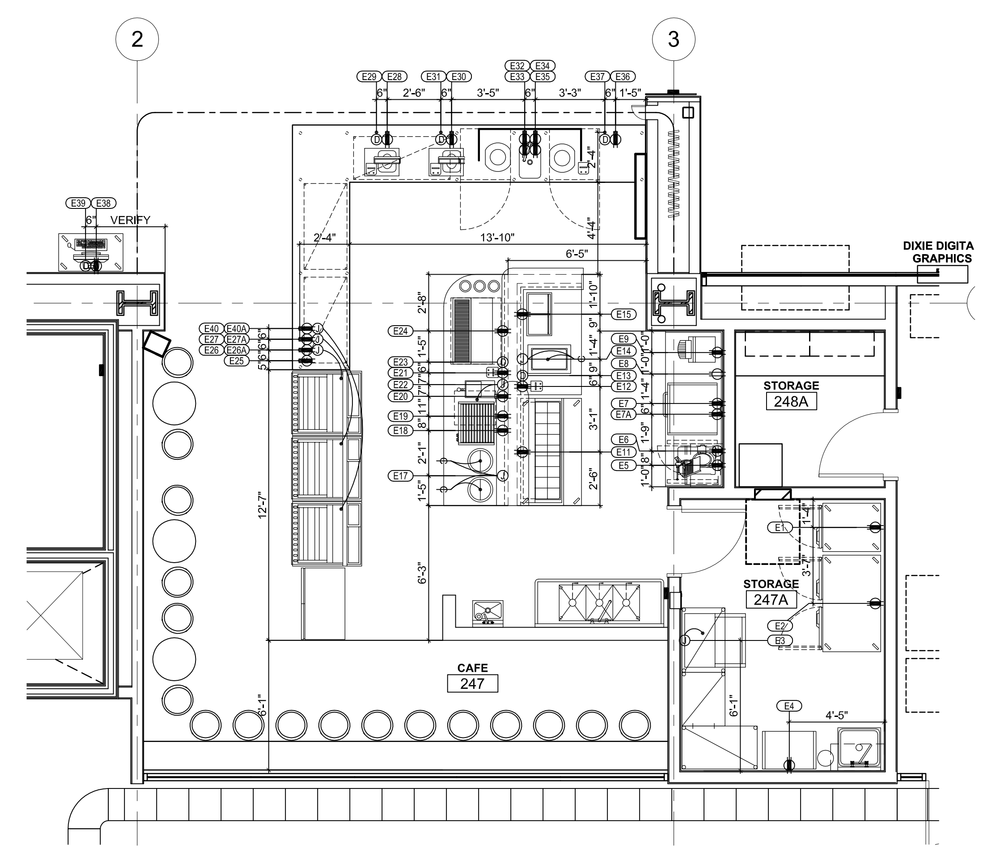
ELECTRICAL ROUGH-IN/FINAL CONNECTION SCHEDULE

CAFE

ROUGH-IN REQUIREMENTS			CONNECTION REQUIREMENTS				REMARKS
RI#	ROUGH-IN TYPE	HGT.	ITEM # : EQUIPMENT DESCRIPTION	VLT/CYC/PH	LOAD	CONN	REMARK
E-01	OUTLET	+18"	#K3 : REACH-IN FREEZER	120/60/1	10.8 AMP	C&P	–
E-02	OUTLET	+18"	#K4 : REACH-IN REFRIGERATOR	120/60/1	11.4 AMP	C&P	–
E-03	JUNCTION BOX	+60"	#K1 : ICE MAKER	208/60/1	19 AMP	J-BOX	–
E-04	OUTLET	+18"	#K5 : SODA SYSTEM RACK	120/60/1	10 AMP	C&P	VERIFY WITH VENDER
E-05	OUTLET	+48"	#K15 : SLICER	115/60/1	1/2 HP	C&P	–
E-06	OUTLET	+78"	#K16 : MICROWAVE OVEN	120/60/1	1200 WATT	C&P	
E-07	OUTLET	+48"	#K14 : TURBO CHEF OVEN	208/60/1	35 AMP	C&P	–
E-07A	OUTLET	+48"	#K14 : TURBO CHEF OVEN	208/60/1	35 AMP	C&P	–
E-08	CONVENIENCE OUTLET	+48	#K11 : WORK COUNTER	120/60/1	10 AMP	C&P	–
E-09	OUTLET	+48"	#K13 : TOASTER	120/60/1	12.2 AMP	C&P	–
E-10	NOT USED						
E-11	OUTLET	+18"	#K18 : REFRIGERATED COUNTER	120/60/1	9 AMP	C&P	–
E-12	OUTLET	+45"*	#E2 : POS PRINTER	120/60/1	VERIFY	C&P	NOTE #1.
E-13	DATA OUTLET	+45"*	#E2 : POS PRINTER	–	–	–	NOTE #2
E-14	JUNCTION BOX	+18"	#K22 : HOT FOOD WARMER	208/60/1	10 AMP	J-BOX	INTERCONNECT CONTROLS.
E-15	OUTLET	+45"*	#K23 : PANINI GRILL	208/60/1	13 AMP	C&P	–
E-16	NOT USED						
E-17	JUNCTION BOX	+18"	#K26 SOUP WARMER	208/60/1	13.4 AMP	J-BOX	INTERCONNECT CONTROLS. (2) EACH CONNECTIONS.
E-18	OUTLET	+45"*	#K27 : HOT DOG GRILL	120/60/1	9.5 AMP	C&P	–
E-19	OUTLET	+45"*	#K28 : BUN WARMER	120/60/1	3.75 AMP	C&P	–
E-20	OUTLET	+45"*	#K29 : COFFEE BREWING SYSTEM	208/60/1	20 AMP	C&P	VERIFY WITH VENDER
E-21	JUNCTION BOX	+18"	#K32 : ICE MAKER	115/60/1	11 AMP	J-BOX	–
E-22	OUTLET	+45"*	#E2 : POS PRINTER	120/60/1	VERIFY	C&P	NOTE #1.
E-23	DATA OUTLET	+45"*	#E2 : POS PRINTER	–	–	–	NOTE #2
E-24	OUTLET	+12"	#K31 : SODA AND ICE DISPENSER	120/60/1	7 AMP	C&P	–
E-25	OUTLET	STUB	#K33 : MERCHANDISING REFRIGERATOR	120/60/1	8.5 AMP	C&P	PROVIDE CORD TO REACH OUTLET THROUGH DISPLAY CASE BASE. NOTE #3.
E-26	OUTLET	STUB	#K34 : REFRIGERATED MERCHANDISING CASE	120/60/1	14.8 AMP	C&P	NOTE #3.
E-26A	OUTLET	STUB	#K34 : REFRIGERATED MERCHANDISING CASE	120/60/1	1.5 AMP	C&P	NOTE #3.
E-27	OUTLET	STUB	#K34 : REFRIGERATED MERCHANDISING CASE	120/60/1	14.8 AMP	C&P	NOTE #3.
E-27A	OUTLET	STUB	#K34 : REFRIGERATED MERCHANDISING CASE	120/60/1	1.5 AMP	C&P	NOTE #3.
E-28	OUTLET	STUB	#E1 : POS REGISTER	120/60/1	VERIFY	C&P	NOTE #1 & #3.
E-29	DATA OUTLET	STUB	#E1 : POS REGISTER	–	–	–	NOTE #2 & #3.
E-30	OUTLET	STUB	#E1 : POS REGISTER	120/60/1	VERIFY	C&P	NOTE #1 & #3.
E-31	DATA OUTLET	STUB	#E1 : POS REGISTER	–	–	–	NOTE #2 & #3.
E-32	OUTLET	STUB	#K35 : REFRIGERATED BASE	120/60/1	4 AMP	C&P	NOTE #3.
E-33	OUTLET	STUB	#K36 : ISLAND OASIS MACHINE	120/60/1	15 AMP	C&P	NOTE #3. VERIFY WITH VENDER
E-34	OUTLET	STUB	#K35 : REFRIGERATED BASE	120/60/1	4 AMP	C&P	NOTE #3.
E-35	OUTLET	STUB	#K36 : ISLAND OASIS MACHINE	120/60/1	15 AMP	C&P	NOTE #3. VERIFY WITH VENDER
E-36	OUTLET	STUB	#E2 : POS PRINTER	120/60/1	VERIFY	C&P	NOTE #1 & #3.
E-37	DATA OUTLET (FLEX)	STUB	#E2 : POS PRINTER	–	–	–	NOTE #2 & #3.
E-38	OUTLET	+12"	#E3 : REMOTE ORDER COMPUTER	120/60/1	VERIFY	C&P	NOTE #1.
E-39	DATA OUTLET	+12"	#E3 : REMOTE ORDER COMPUTER	–	–	–	NOTE #2.
E-40	OUTLET	STUB	#K34 : REFRIGERATED MERCHANDISING CASE	120/60/1	14.8 AMP	C&P	NOTE #3.
E-40A	OUTLET	STUB	#K34 : REFRIGERATED MERCHANDISING CASE	120/60/1	1.5 AMP	C&P	NOTE #3.

NOTE #1: VERIFY THE REQUIREMENTS OF THE POS SYTEM WITH THE SUPPLIER INCLUDING ELECTRICAL REQUIREMENTS AND THE INTERCONNECTION REQUIREMENTS.
NOTE #2: PROVIDE DATA CONDUIT AS REQUIRED BY POS SUPPLIER. VERIFY INTERCONNECTION REQUIREMENTS BETWEEN COMPONENTS OF SYSTEM. INTERCONNECTION REQUIREMENTS.
NOTE #3: RUN FROM ROUGH-IN AND MOUNT TO OUTLET/JUNCTION BOX MOUNTED IN CABINET BASE.
* TURN BOX HORIZONTALLY TO FIT BETWEEN BACK SPLASH and PASS SHELF

DFA: DROP FROM ABOVE
J-BOX: JUNCTION BOX CONNECTION
C&P: CORD AND PLUG CONNECTION
AMP: AMPERES
HP: HORSE POWER



FS2 LEVEL 02 CAFE FOOD SERVICE EQUIPMENT ELECTRICAL REQUIREMENT PLAN
1/4" = 1'-0"

VCBO ARCHITECTURE
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Job # 09625
CAD File
Drawn RCJ Checked JH
Date 12/03/2010
Owner # DFCM #06297640
Ins. #

FOOD SERVICE EQUIPMENT ELECTRICAL REQUIREMENT PLANS

FS104

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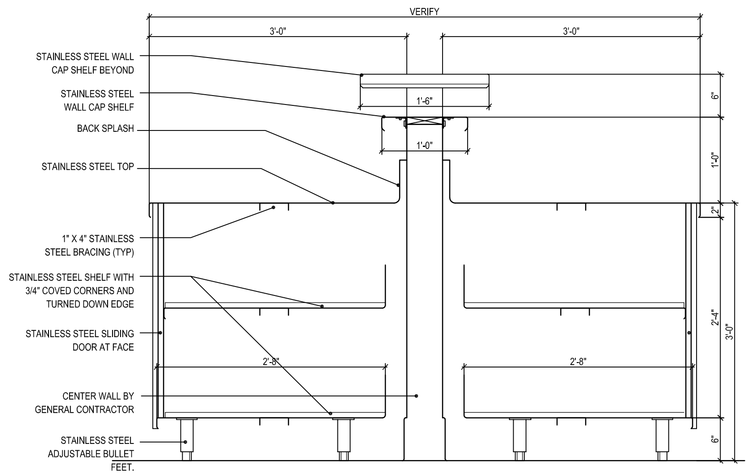
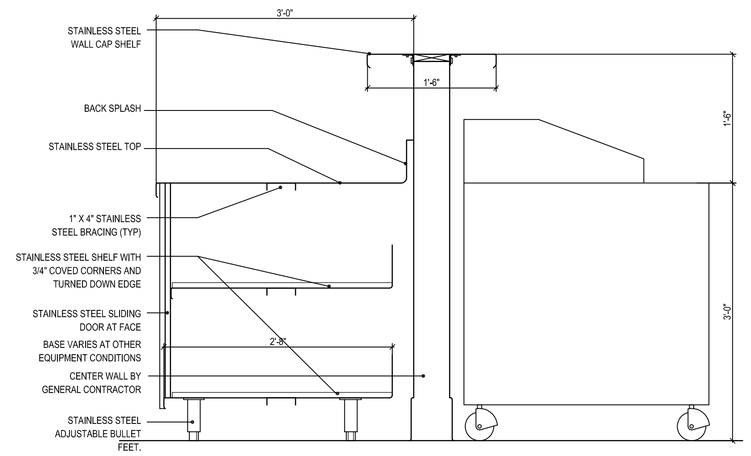


ISLAND WORK COUNTER SECTION DETAIL (A / FS105)
SCALE: 1" = 1'-0"



ISLAND WORK COUNTER SECTION DETAIL (B / FS105)
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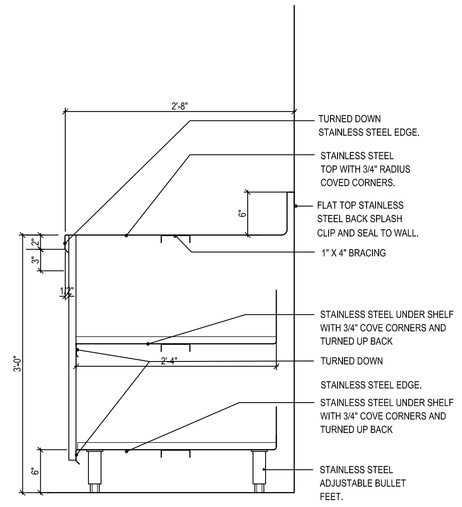
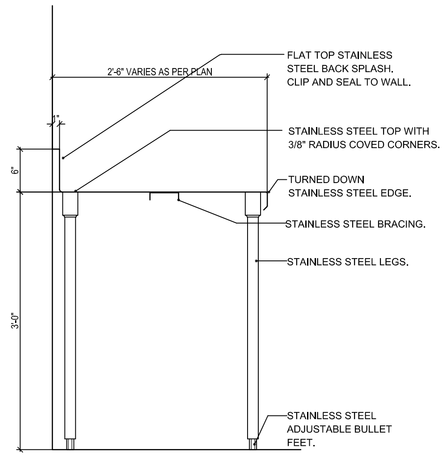
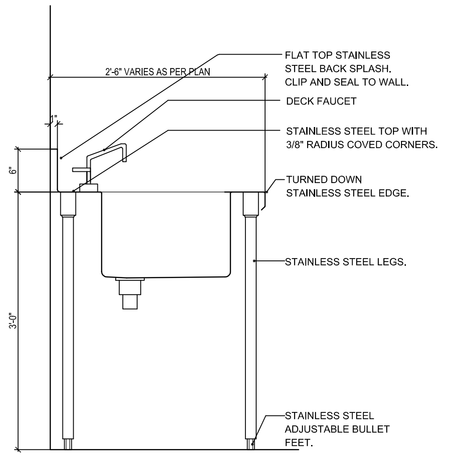


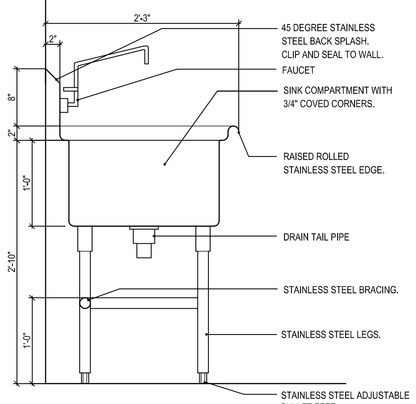
UTILITY SERVICE COUNTER SECTION DETAIL (C / FS105)
SCALE: 1" = 1'-0"



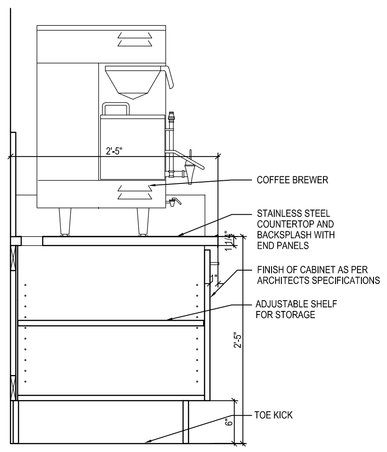
OPEN BASE SERVICE COUNTER SECTION DETAIL (D / FS105)
SCALE: 1" = 1'-0"



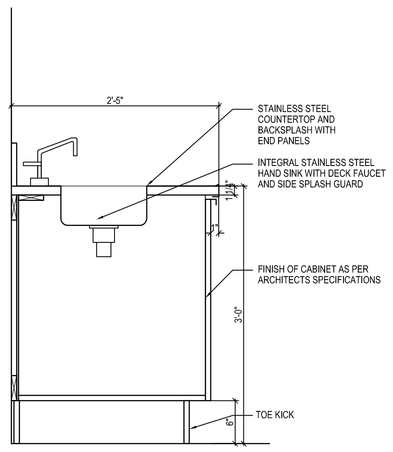
OPEN BASE SINK SERVICE COUNTER SECTION DETAIL (E / FS105)
SCALE: 1" = 1'-0"



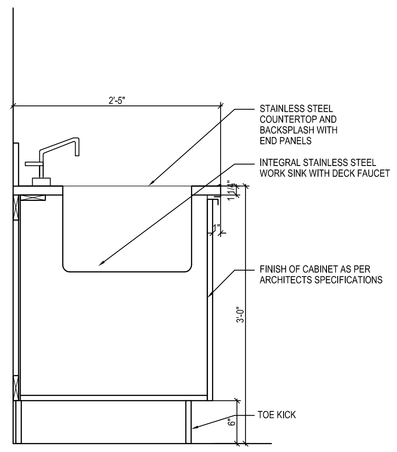
THREE COMPARTMENT SINK SECTION DETAIL (F / FS105)
SCALE: 1" = 1'-0"



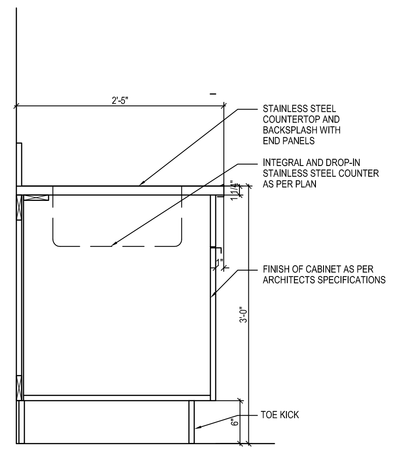
COFFEE BACK SERVICE COUNTER-LOW SECTION DETAIL (G / FS105)
SCALE: 1" = 1'-0"



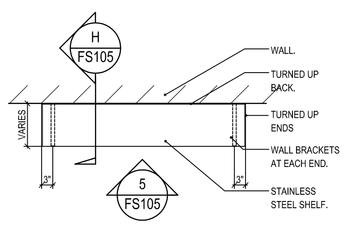
COFFEE BACK SERVIE COUNTER-HIGH SECTION DETAIL (H / FS105)
SCALE: 1" = 1'-0"



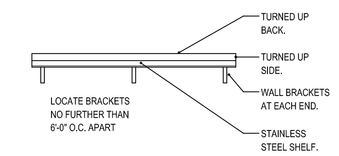
COFFEE BACK SERVICE COUNTER-WORK SINK SECTION DETAIL (I / FS105)
SCALE: 1" = 1'-0"



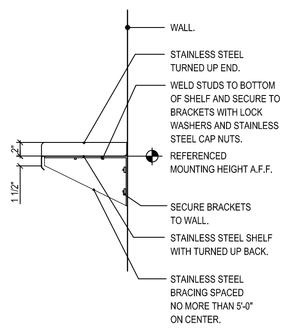
COFFEE BACK SERVICE COUNTER-BEVERAGE SECTION DETAIL (J / FS105)
SCALE: 1" = 1'-0"



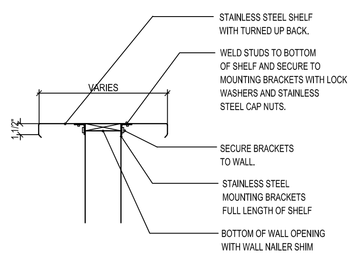
TYP DOUBLE WALL SHELF PLAN DETAIL (4 / FS105)
SCALE: 1/2" = 1'-0"



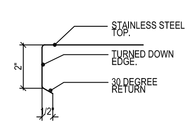
TYP DOUBLE WALL SHELF ELEVATION DETAIL (5 / FS105)
SCALE: 1/2" = 1'-0"



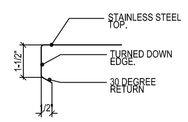
TYPICAL DOUBLE WALL SHELF SECTION DETAIL (H / FS105)
SCALE: 1" = 1'-0"



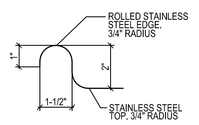
TYPICAL WALL CAP SHELF SECTION DETAIL (I / FS105)
SCALE: 1" = 1'-0"



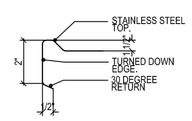
2" TURNED DOWN EDGE



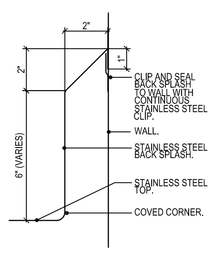
1-1/2" TURNED DOWN EDGE



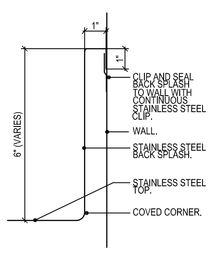
RAISED ROLLED EDGE



MARINE EDGE



45 DEGREE BACK SPLASH



FLAT BACK SPLASH

TYPICAL EDGE DETAILS SECTION DETAIL (J / FS105)
SCALE: NTS

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON
SASAKI

MILLER & JEDRZIEWSKI ASC.
1537 EAST YALE AVENUE
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Job # 09625
CAD File
Drawn RCJ Checked JH
Date 12/03/2010
Owner # DFCM #06297640
Ins. #

FOOD SERVICE
EQUIPMENT CUSTOM
EQUIPMENT DETAILS

FS105

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Compressive Strength in 28 days = 7,500 psi

GENERAL STRUCTURAL NOTES

GENERAL

1. The structural notes are intended to complement the project specifications. Specific notes and details in the drawings shall govern over the structural notes and typical details.
2. Typical details and sections shall apply where specific details are not shown.
3. The contractor shall verify all site conditions and dimensions. If actual conditions differ from those shown in the contract drawings, the contractor shall immediately notify the architect/engineer before proceeding with the fabrication or construction of any affected elements.
4. Changes to these contract drawings may be made only by an authorized representative of Dunn Associates, Inc. Dunn Associates, Inc. shall not be held responsible or liable for any claims arising directly or indirectly from changes made without written authorization by an authorized representative of Dunn Associates, Inc.
5. Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the architect/engineer at no additional cost to the owner.
6. The contractor shall submit a written request to the architect/engineer before proceeding with any changes, substitutions, or modifications. Any work done by the contractor before receiving written approval will be at the contractor's risk.
7. The contractor shall coordinate with all trades any items that are to be integrated into the structural system such as openings, penetrations, mechanical and electrical equipment, etc. Sizes and locations of mechanical and other equipment that differs from those shown on the contract drawings shall be reported to the architect/engineer.
8. The contractor shall be responsible for means, methods, techniques, sequences, and procedures in order to comply with the contract drawings and specifications. The contractor shall provide adequate shoring and bracing as required for the chosen method of erection. Shoring and bracing shall remain in place until final connections for the permanent members are completed. The building shall not be considered stable until all connections are completed. Walls shall not be considered self-supporting and shall be braced until the floor/roof system is completed.
9. Site observations by a field representative of Dunn Associates, Inc. shall not be construed as approval of construction, the procedures, nor special inspection.
10. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings. The structural drawings shall be used in conjunction with the architectural and other consultant's drawings. Most dimensions and most non-structural elements such as elevations, depressions, slopes, mechanical housekeeping pads, etc. are not shown in the structural drawings. See the Architectural Drawings for dimensions, doors, windows, non-bearing interior and exterior walls, elevations, slopes, stairs, curbs, drains, recesses, depressions, railings, waterproofing, finishes, chamfers, kerfs, etc.
11. Review of shop drawing submittals by Dunn Associates, Inc. is for general compliance only and is not intended for approval. The shop drawing review shall not relieve the contractor from the responsibility of completing the project according to the contract documents.
12. Shop drawings made from reproductions of the structural drawings will be rejected unless the contractor signs a release agreement prior to the shop drawings being reviewed. The contractor may also obtain electronic files of the plan sheets after signing a release agreement. Electronic files of the detail sheets and schedule sheets will not be made available.
13. All work shall be done in accordance with OSHA requirements. Potential conflicts between these documents and OSHA requirements shall be brought to the attention of the structural engineer before proceeding with the work.

BASIS OF DESIGN

1. Governing Building Code — International Building Code 2006
2. Occupancy Category — III
3. Floor Live Loads (Building)
   - 3.1. Uniformly Distributed Loads
     - 3.1.1. Typical Areas — 150 psf
     - 3.1.2. Dense Stack Rooms — 300 psf
     - 3.1.3. Data Center — 350 psf
     - 3.1.4. Mezzanine — 100 psf
   - 3.2. Concentrated Loads, all areas — 2000 lbs
4. Live Loads (Tunnel)
   - 4.1. Uniformly Distributed Loads — 250 psf
   - 4.2. Concentrated Loads — 8000 lbs
5. Roof Live Load (Not concurrent with Roof Snow Load) — 20 psf
6. Roof Snow Load
   - 6.1. Ground Snow Load — Pg = 29 psf
   - 6.2. Flat Roof Snow Load — Pf = 22 psf
   - 6.3. Snow Exposure Factor — Ce = 1.0
   - 6.4. Thermal Factor — Ct = 1.0
   - 6.5. Snow Load Importance Factor — Is = 1.1
7. Wind Load
   - 7.1. Basic Wind Speed (3 Second Gust) — 90 mph
   - 7.2. Wind Importance Factor — 1.15
   - 7.3. Wind Exposure — C
   - 7.4. Internal Pressure Coefficient — ± 0.18
8. Seismic Design Criteria
   - 8.1. Mapped Spectral Response Accelerations
     - 8.1.1. Short Period Acceleration — SS = 0.51
     - 8.1.2. 1-Second Acceleration — S1 = 0.163
   - 8.2. Spectral Response Coefficients
     - 8.2.1. Short Period Acceleration — SDS = 0.473
     - 8.2.2. 1-Second Acceleration — SD1 = 0.234
   - 8.2. Site Class (Soil Profile) — D
   - 8.3. Seismic Importance Factor — 1.25
   - 8.4. Seismic Design Category — D
   - 8.5. Effective Structural Seismic Weight — W
   - 8.6. Basic Seismic Force Resisting System — Special Steel Moment Frames
     - 8.6.1. Response Modification Coefficient — R = 8
     - 8.6.2. System Overstrength Factor — Ωo = 3
     - 8.6.3. Deflection Amplification Factor — CD = 5.5
   - 8.7. Analysis Procedure — Equivalent Lateral Force
9. Serviceability Criteria
   - 9.1. Interstory Seismic/Wind Drift — Δa < 0.02h ('h' is story height)
   - 9.2. Deflection Limits

	Total	Live/Snow
Floor	L/240	L/360
Roof	L/240	L/360
Perimeter	----	L/600(3/8" max)

FOUNDATION

1. Soils Report by: — Landmark Testing & Engineering
2. Report Number & Date: — 09280, October 20, 2009
3. Soil Bearing Pressure on Compacted Fill: — 3,000 psf (lightly loaded footings)
4. Soil Bearing Pressure on rammed aggregate piers: — 7,500 psf
5. Frost Protection: — 30 inches minimum
6. Lateral Soil Pressure Fluid Equivalent Density: (Add 20 pcf to active and at rest for seismic effects)
   - 6.1. Active — 35 pcf (retaining walls)
   - 6.2. At Rest — 55 pcf (rigid foundation walls)
   - 6.3. Passive — 360 pcf
7. Coefficient of Friction — 0.36
8. The soils engineer shall review all excavations and fill placement prior to placing concrete.

EARTHWORK

1. Clearing: The entire building area shall be scraped to remove the top 4" of soil including all vegetation and debris.
2. Proof rolling: The natural undisturbed soil below all footings shall be proof rolled prior to placing concrete. Remove all soft spots and replace with compacted structural fill.
3. Compacted structural fill: All fill material shall be a well-graded granular material with a maximum size less than 4" and with not more than 10% passing a #200 sieve. It shall be compacted to 95% of the maximum laboratory density as determined by ASTM D 1557. All fill shall be tested. Compacted structural fill shall be placed in lifts not exceeding 8" in uncompacted thickness.
4. Consult the project specifications and soils report for further earthwork requirements. The soils engineer shall review all excavations and fill placement prior to placing concrete.

CONCRETE

1. Concrete shall be supplied in accordance with the following requirements:

Concrete Use	Comp. Strength f 'c (psi)	Exposure Classes	Cement Type [a]	Max. W/CM Ratio	Max. Flyash	Air Content [b]	Aggregate Size, Max.	Slump Limit [c]
Exterior & Frame Footings	4500	F1, S2, P0, C0	V	0.45	25%	5%	1 1/2"	4"
Interior Footings (U.N.O.)	3000	F0, S2, P0, C0	V	0.50	25%	1.5%	1 1/2"	5"
Foundation Walls	4500	F1, S2, P0, C1	V	0.45	25%	5%	3/4"	4"
Other Walls	4000	F0, S2, P0, C0	V	0.45	25%	1.5%	3/4"	4"
Columns / Piers	4500	F0, S2, P0, C0	V	0.45	25%	1.5%	3/4"	4"
Interior Slabs on Grade	3500	F0, S2, P0, C0	V	0.45	25%	1.5%	3/4"	5"
Suspended Slab (Tunnel)	4500	F1, S2, P0, C0	V	0.45	25%	5%	1 1/2"	4"
Light Weight Concrete on Steel Deck	3000	F0, S0, P0, C0	V	0.45	25%	1.5%	3/4"	4"
All Site Concrete (curb, gutter and sidewalk)	5000	F3, S2, P0, C2	V	0.40	25%	6%	3/4"	4"
Site Retaining Walls								

Table Footnotes:
a. Cement to comply with ASTM C150. Use Type V cement where required by soils report.
b. Air content ± 1.5%, measured at point of final placement. Air-entraining admixtures shall comply with ASTM C260 (when used). Calcium chloride shall not be added to the concrete mix. Unreinforced concrete slabs on grade may have calcium chloride not exceeding one percent. Air entrainment shall be adjusted for the use of admixtures and fly ash
c. Slump limit ± 1" applies to non-plasticized concrete. Test shall be conducted prior to adding plasticizer if used.

2. Materials unless noted otherwise:
   - 2.1. Normal Weight aggregates — ASTM C33
   - 2.2. Light Weight aggregates — ASTM C330
   - 2.3. Light Weight concrete shall not exceed 110 pcf (± 3 pcf)
   - 2.4. Fly Ash, Class F Pozzolan — ASTM C618
   - 2.5. Reinforcing Steel
     - 2.5.1. General — ASTM 615 Grade 60-60ksi
     - 2.5.2. Frame Members, Shearwall Boundaries — ASTM A706-60ksi. ASTM A615 is permitted if mill certifications are submitted showing that actual yield strength does not exceed the specified strength by more than 18000 psi and the ratio of tensile to yield strength is greater than 1.25.
   - 2.6. Deformed Bar Anchors (DBA) — ASTM A496
   - 2.7. Headed Stud Anchors (HSA) — ASTM A108
   - 2.8. Anchor Bolts: See steel section of general notes.
   - 2.9. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.
3. Reinforce composite slabs over metal deck with 6" x 6" - W2.1/W2.1 welded wire reinforcement minimum, unless noted otherwise. Welded wire reinforcement shall be placed 1" to 1 1/2" below the top of the slab. Welded wire reinforcement may be substituted with "Fibermesh Fibers" manufactured by Propex Concrete Systems Corporation, as approved by ICC ER-4811. The rate of fiber application shall be based on ICC ER-4811. Other substitutions may be permitted if an ICC Evaluation report is submitted to and approved by the Structural Engineer.
4. The contractor shall be responsible for the design, detailing, care, placement and removal of all formwork and shores.
   - 4.1. Supporting forms and shoring shall not be removed until structural members have acquired sufficient strength to safely support their own weight and any construction load to which they may be subjected. In no case, however, shall forms and shoring be removed in less than 24 hours after concrete placement.
   - 4.2. Suspended slabs shall be re-supported after form removal until concrete reaches its 28-day specified compressive strength.
5. Reinforcement shall have the following concrete cover: — Clear Cover
   - 5.1. Cast-in-place Concrete
     - 5.1.1. Cast against and permanently exposed to earth — 3"
     - 5.1.2. Formed concrete exposed to earth or weather:
       - #6 thru #18 bars — 2"
       - #5 and smaller bars — 1 1/2"
     - 5.1.3. Concrete not exposed to weather or in contact with ground:
       - Slabs, Walls, Joists; #11 bars and smaller — 3/4"
       - Beams, Columns: Primary Reinforcement, Ties, Stirrups, Spirals — 1 1/2"
6. Construction Joints and Control Joints:
   - 6.1. Provide a beveled 2" x 4" x intermediate keyway that shall be installed in all horizontal and vertical construction joints including between top of footing and foundation walls. In addition, all joints shall be intentionally roughened to a full amplitude of approximately 1/4".
   - 6.2. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. Control joints shall be completed within 12 hours of concrete placement. Control joints may be installed by either:
     - 6.2.1. Saw cut with depth of 1/4 the thickness of the slab
     - 6.2.2. Tooled joints with depth of 1/4 the thickness of the slab
   - 6.3. Install construction or control joints in slabs on grade at a spacing not to exceed 30 times the slab thickness in any direction, unless noted otherwise. Construction joints shall not exceed a distance of 125'-0" on center in any direction.
7. Construction
   - 7.1. Use chairs or other support devices recommended by the CRSI to support bar and tie reinforcement bars and WWF prior to placing concrete. WWF shall be continuously supported at 36" on center maximum. Reinforcing steel for slabs on grade shall be adequately supported on precast concrete units. Lifting the reinforcing off the grade during placement of concrete is not permitted.
   - 7.2. Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, inserts and other embedded items prior to concrete placement.
   - 7.3. All embeds and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
   - 7.4. No pipes, ducts, sleeves, etc. shall be placed in structural concrete unless specifically detailed or approved by the structural engineer. Penetrations through walls when approved shall be built into the wall prior to concrete placement. Penetrations will not be allowed in footings or grade beams unless detailed. Piping shall be routed around these elements and footings stepped to avoid piping.
   - 7.5. Reinforcing bars shall not be welded unless specifically shown on drawings. In such cases, use only AWS standards. Do not substitute reinforcing bars for DBAs or HSAs.
   - 7.6. Top of concrete columns shall be flush (±1/4") with bottom of supported cast-in-place members.
8. Detailing:
   - 8.1. Lap splice lengths shall be detailed to comply with the "Reinforcing Bar Lap Splice Schedule" contained within the contract drawings.
     - 8.1.1. Do not splice stirrups and ties. Do not splice vertical bars in retaining walls unless specifically shown.
     - 8.1.2. At shearwall boundary elements and at moment frame beams to columns, lap lengths shall be increased by 25%.
     - 8.1.3. Splices may be made with mechanical splices capable of 125% tension capacity of the bar being spliced. Mechanical splices shall be the positive connecting type coupler and shall meet all ACI requirements. Use "Cadweld", "Lenton" Standard Couplers, "Bar-Lock" or equal with internal protector. If mechanical splices are used, splices or couplers on adjacent bars shall be staggered a minimum of 24" apart along the longitudinal axis of the reinforcing bars.
   - 8.2. At joints provide reinforcing dowels to match the member reinforcing, unless noted otherwise.
   - 8.3. At all discontinuous control or construction slab on grade joints, provide (2) #4 x 48".
   - 8.4. Provide corner bars at intersecting wall corners using the same bar size and spacing as the horizontal wall reinforcing.
   - 8.5. All vertical reinforcing shall be doweled to footings, or to the structure below with the same size and spacing as the vertical reinforcing for the element above. Dowels extending into footings shall terminate with a 90° standard hook and shall extend to within 4" of the bottom of the footing. Footing dowels (#8 bars and smaller) with hooks need not extend more than 20" into footings.
   - 8.6. In concrete shearwalls, the horizontal wall reinforcing shall terminate at ends of walls and openings into the far end of the jamb column with a 90° standard hook plus a 6 bar diameter extension. Horizontal wall reinforcing shall be continuous through construction and control joints.
   - 8.7. See details for reinforcing around miscellaneous openings (8" to 36" wide). For openings wider than 36", contact the engineer. All recesses that interrupt reinforcing shall be reinforced the same as an opening.
9. Contractor required to submit concrete mix design for review by the engineer prior to any placement of concrete.

POST-INSTALLED ANCHORS

1. Follow all ICC Evaluation Report and manufacturers' requirements and recommendations for post-installed anchor installation. Where conflicts may exist, the most stringent requirement applies.
2. All holes in hollow, brick, or stone masonry shall be performed in the "rotary-only" mode with the hammer function off.
3. Follow manufacturer and ICC evaluation report requirements for installation temperature of adhesive anchors. Adhesive anchors shall not be installed or cured outside of approved temperature ranges.
   - 3.1. Adhesive anchors in concrete shall be
     - 3.1.1. HIT RE-500 SD by Hilti (ESR-2322) - normal weight concrete only
     - 3.1.2. HIT-HY 150 MAX SD (ERS-3013)
     - 3.1.3. SET-XP by Simpson (ESR-2508)
     - 3.1.4. PE1000+ by Powers Fasteners (ESR-2583) - 1/2" to 7/8" diameter only
   - 3.2. Adhesive anchors in grouted masonry shall be
     - 3.2.1. HIT HY-150 MAX by Hilti (ESR-1967)
     - 3.2.2. SET by Simpson (ESR-1772)
   - 3.3. Adhesive anchors in brick or stone masonry shall be
     - 3.3.1. HIT HY-20 by Hilti (ESR-4815)
     - 3.3.2. SET by Simpson (ESR-1772)
4. Mechanical (Expansion) anchors
   - 4.1. Mechanical anchors in concrete shall be
     - 4.1.1. Kwik Bolt TZ by Hilti (ESR-1917)
     - 4.1.2. Strong-Bolt by Simpson (ESR-1771)
     - 4.1.3. Titen HD by Simpson (ESR-2713)
     - 4.1.4. Trubolt+ by ITW Redhead (ESR-2427)
   - 4.2. Mechanical anchors in grouted masonry shall be
     - 4.2.1. Kwik Bolt 3 by Hilti (ESR-1385)
     - 4.2.2. Titen HD by Simpson (ESR-1056)
     - 4.2.3. Wedge-All by Simpson (ESR-1396)
5. The Contractor may submit, for review and approval, the manufacturer's ICC evaluation report of alternate anchor systems. The alternate method shall provide minimum capacities equal to or greater than those in the above noted anchors. The alternate method shall be approved by the engineer of record prior to the substitution.
6. Special Inspection and Testing
   - 6.1. Special inspection shall be performed according to the requirements of the ICC evaluation report, per section 1704.13 of the IBC. Periodic inspection is allowed for mechanical anchors per section 6.6 of ICC-ES AC193.

MASONRY

1. Materials, unless noted otherwise:
   - 1.1. Concrete Masonry Units (CMU): Lightweight Grade N, Type 1 (ASTM C90) f'm = 1500 psi
   - 1.2. Mortar: Type "S" (1800 psi minimum compressive strength)
   - 1.3. Grout shall attain a 28-day minimum compressive strength of 2000 psi or f'm, whichever is greater.
   - 1.4. Reinforcing Steel — ASTM 615 Grade 60 (Fy = 60 ksi)
   - 1.5. Anchor Bolts: See steel section of general notes.
   - 1.6. Heavy hex nuts and hardened washers — ASTM A563
2. Reinforcement shall have the following cover:
   - 2.1. Joint reinforcement shall have not less than 5/8" mortar coverage from the exposed face.
   - 2.2. Other reinforcement shall have a minimum coverage of one bar diameter over all the bars, but not less than 3/4". When masonry is exposed to soil, minimum coverage shall be 1 1/2".
3. Construction Requirements
   - 3.1. All units shall be laid with full mortar beds on the face shells. All head joints shall be filled solidly with mortar for a distance in from the face of the units not less than the thickness of the longitudinal face shells. Cells which are to be grouted shall have full head joints.
   - 3.2. Masonry walls, beams and columns shall be constructed with running bond unless noted otherwise.
   - 3.3. Solid grouting of walls is unacceptable except where specifically noted.
   - 3.4. All cells containing reinforcement, embeds, anchor bolts, etc. shall be filled solid with grout. Grout shall be placed by mechanical vibration during placing and revibrated after excess moisture has been absorbed but before workability is lost. Puddling or rodding of grout is not allowed.
   - 3.5. Where walls are not grouted solid, each grout pour shall terminate flush with the top of the uppermost unit except at cells with vertical reinforcing where the grout shall be 1 1/2" below top of unit to provide construction key.
   - 3.6. Grout pours shall be limited to 4'-0" unless high lift grouting procedures are followed.
   - 3.7. All masonry below grade shall be solid grouted.
   - 3.8. Vertical cells to be filled with grout shall have vertical alignment sufficient to maintain a clear, unobstructed, vertical cell measuring not less than 2" by 3". All steel reinforcement shall be secured against displacement prior to grouting by wire positioners or other suitable devices at intervals not exceeding 200 bar diameters or 10'-0" maximum, or at bar splice locations. Vertical reinforcing shall be located at the center of the wall unless noted otherwise.
   - 3.9. Reinforcing bars shall not be welded. Do not substitute reinforcing bars for DBAs or HSAs.
   - 3.10. Control Joints: Spacing shall not exceed 26'-0". See architectural drawings for locations.
   - 3.11. Grout all beam and joist pockets solid after installation of beams and joists.
   - 3.12. Embed channels and plates shall be placed so as to create a flush surface with the face of the wall.
   - 3.13. Anchor bolts and headed stud anchors shall be set in a grouted cell. Anchor bolts and headed stud anchors shall have 1/2" grout surrounding the shank at its penetration. Grout shall be flush with the face or top of the masonry.
4. Detailing Requirements
   - 4.1. Lap all masonry reinforcing per bar size as follows:

Required lap lengths for single bars centered in each cell:

#3 = 16"	#6 = 43"	#9 = 82"
#4 = 22"	#7 = 60"	
#5 = 26"	#8 = 72"	

Required lap lengths for flush wall pilaster/column, 2 bars per cell:

#3 = 16"	#6 = 54"	#9 = 82"
#4 = 22"	#7 = 63"	
#5 = 32"	#8 = 72"	

   - 4.1. Lap all masonry reinforcing per the "Masonry Reinforcing Bar Lap Splice Schedule" contained within the contract drawings.
   - 4.2. All vertical reinforcing shall be doweled to the foundation wall, footing (structure below) and to the structure below with the same size dowel, spacing (and in the same core) as the vertical wall reinforcing above.
   - 4.3. Corner Bars: Horizontal reinforcement shall be continuous at all corners and at intersecting walls. Provide corner bars with the required lap splice length.
   - 4.4. Wall Openings 24" wide and wider: For unscheduled openings, provide reinforcing on all sides per details. Also, for all openings, provide horizontal bar at bottom of opening per details. Vertical bars shall extend from floor level below to the floor, or roof level above. Horizontal bars for all openings shall extend a minimum of 48 bar diameters beyond the corners of the opening. Where a 48 bar diameter extension is not possible, extend bars as far beyond the opening as possible and terminate the bar(s) with a 90° standard ACI hook.
   - 4.5. Horizontal wall reinforcing shall be continuous through joining concrete walls, masonry walls, columns, and pilasters. Provide a key between the wall and the column or pilaster. Horizontal wall reinforcing shall be placed inside the column vertical reinforcing.
   - 4.6. Horizontal reinforcing shall terminate with a standard hook at edge of openings and ends of walls without corner bars as shown in details.
   - 4.7. All masonry column ties shall terminate with 135° hooks plus a 6 bar diameter extension (4" minimum).

MASONRY AND STONE VENEER

1. Veneer shall be attached to steel stud and wood stud walls with "Dur-O-Wal DA 213S seismic veneer anchors" by Dur-O-Wal or Hohmann & Barnard "DW-10" or "DW-10HS seismic veneer anchors" (or equal) spaced at 16" on center. Veneer anchors shall be attached to studs with (2) #10 corrosion resistant self-drilling screws and neoprene washers. Attach the veneer to the anchors with "Dur-O-Wal 213S Seismic Steel Pintles" or Hohmann & Barnard 3/16" diameter "Byna-Tie with Seismiclips" (or equal) spaced at a maximum of 16" on center in both directions. Anchor ties shall engage to a galvanized #9 gauge horizontal joint reinforcement wire in the veneer, which shall be continuous and shall be placed at 16" on center maximum at the center of the veneer.
2. Veneer shall be attached to concrete walls with 22 gauge "Dur-O-Wal DA100" galvanized dovetail slots installed vertically in concrete at 16" on center. Attach the veneer to dovetail slots with 16 gauge "Dur-O-Wal DA 131 seismic dovetail anchor ties" or Hohmann & Barnard 3/16" diameter "Byna-Tie with Seismiclips" (or equal) spaced at a maximum of 16" on center in both vertical and horizontal directions. Anchor ties shall engage to a galvanized #9 gauge horizontal joint reinforcement wire in the veneer, which shall be continuous and shall be placed at 16" on center maximum at the center of the veneer. Dovetail slots and anchor ties shall be galvanized.
3. Veneer shall be attached to reinforced masonry walls with "tri-rod ladur type reinforcement" spaced at a maximum of 16" on center vertically consisting of (3) #9 gauge, galvanized, corrugated, wires. Veneer may also be attached with "Dur-O-Wal DA 3600S Heavy Duty Seismic Ladur-Eye" with DA 213S seismic steel pintles spaced at 16" on center maximum in both vertical and horizontal directions. Anchor ties shall engage to a galvanized #9 gauge horizontal joint reinforcement wire in the veneer, which shall be continuous and shall be placed at 16" on center maximum at the center of the veneer. Anchors shall extend to the galvanized "ladur type" ((2) #9 wires) joint reinforcing in the masonry wall spaced at 16" on center maximum.
4. Other methods of attachment may be used after written acceptance by the architect and structural engineer.
5. Steel Lintels: Provide steel angle lintels at all openings through the masonry veneer. Provide 1" of bearing for each foot of width of opening, with a minimum bearing of 6". See the Steel Angle Lintel Schedule for size.

STRUCTURAL STEEL

1. Codes and Standards: Fabrication and installation shall comply with the latest edition of the following:
   - 1.1. American Institute of Steel Construction (AISC), "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings," with "Commentary".
   - 1.2. AISC "Code of Standard Practice" excluding sections 3.4, 4.4 and 4.4.1.
   - 1.3. AISC "Specification for Structural Joints Using ASTM A325 or A490 Bolts"
   - 1.4. AISC "Seismic Provisions for Structural Steel Buildings."
   - 1.5. American Welding Society (AWS), Structural Welding Codes D1.1, D1.3, D1.4, and D1.8, except as modified by the "Steel Construction Manual".
2. Material:
   - 2.1. Wide Flange Sections — ASTM A992 (50 ksi)
   - 2.2. Plate
     - 2.2.1. Typical — ASTM A36
     - 2.2.2. Braced/Moment Frames — ASTM A572 Grade 50
   - 2.3. Notch-toughness requirements apply for Group 3, 4, and 5 shapes with flange thickness greater than 1 1/2" and plate 2" and thicker which are a part of the Seismic Load Resisting System (SLRS). Minimum Charpy V-Notch requirements are 20 ft-lbs at 70°F.
   - 2.4. Notch-toughness requirements apply for demand critical welds. Minimum Charpy V-Notch requirements are 20 ft-lbs at -20°F and 40 ft-lbs at 70°F
   - 2.5. Pipe — ASTM A53 Grade B Type E/S
   - 2.6. Hollow Structural Shapes
     - 2.6.1. Rectangular — ASTM A500 Grade B (46 ksi)
     - 2.6.2. Round — ASTM A500 Grade B (42 ksi)
   - 2.7. Other Structural Shapes (M, C, etc) — ASTM A36
   - 2.8. Bolted Connections — ASTM A325
   - 2.9. Anchor Bolts
     - 2.9.1. All Columns unless noted otherwise: ASTM F1554 Grade 36 with ASTM A563 heavy hex nuts with Grade A hardened washers.
     - 2.9.2. Braced Frame/Moment Frame Columns unless noted otherwise: ASTM F1554 Grade 105 (equiv to A193 Grade B7) with ASTM A563 heavy hex nuts with ASTM F436 minimum 5/16" thick washers.
   - 2.10. Weld Filler Metal
     - 2.10.1. Shielded Metal Arc Welding — AWS A5.1, low-hydrogen only. Low-hydrogen restrictions do not apply when welding sheet steels in accordance with AWS D1.3, including attaching these steels to structural members.
     - 2.10.2. Gas-Metal & Metal-Cored Arc Welding — AWS A5.18
     - 2.10.3. Flux-Cored Arc Welding — AWS A5.20. E7XT-4 or E7XT-11 electrodes are not permitted.
     - 2.10.4. Intermixing of welds made from self-shielded welding electrodes with gas-shielded electrodes is not allowed in seismic critical welds, unless tested in accordance with AWS D1.8, annex B. The Field Erection Contractor is responsible for verifying intermixing of self-shielded and gas-shielded welding will not occur, or alternatively, the welding procedure is qualified by testing.
   - 2.11. Deformed Bar Anchors (DBA) — ASTM A496
   - 2.12. Headed Stud Anchors (HSA) — ASTM A108
   - 2.13. Non-Shrink Grout — ASTM C1107 Grade B. Non-shrink grout shall be prepackaged, non-metallic and non-gaseous. Furnish certified independent test data to Structural Engineer. Fluid Consistency (flow cone) = 20 to 30 seconds. Compressive Strength in 28 days = 7,500 psi
3. Structural Detailing
   - 3.1. Provide full depth web stiffener plates at each side of all beams at all bearing points. Stiffener plates shall be the thickness called out below unless noted otherwise. Stiffeners shall be welded on both sides of the plate-to-flange and plate-to-web interfaces. Do not weld into the web-to-flange fillet region of the member.

FLANGE WIDTH	STIFFENER THICKNESS & WELD SIZE
Less than 8 1/4"	1/4" & 3/16"
8 1/4" to 12 1/4"	3/8" & 1/4"
12 1/4" to 16 1/2"	1/2" & 5/16"
16 1/2" to 20 3/4"	5/8" & 3/8"

   - 3.2. Bolting and Fasteners
     - 3.2.1. Ordinary steel-to-steel connections, simple span framing, and beam/girder-to-bearing plates are the standard connection used throughout the design drawings, unless noted otherwise:
       - 3.2.1.1. Use A325N bolts or tension-controlled bolts.
       - 3.2.1.2. Tighten these fasteners to a "snug tight" condition.
       - 3.2.1.3. Where a steel-to-steel connection is not shown, provide a framed connection per AISC for one half the total uniform load capacity of the beam for the span and steel specified.
     - 3.2.2. Pretensioned connections are shown on the structural design drawings. They join steel-to-steel connections, unless noted otherwise:
       - 3.2.2.1. Use A325N or A325X bolts or tension-controlled bolts.
       - 3.2.2.2. Pretension these fasteners as required by AISC "Specification for Structural Joints Using ASTM A325 or a A490 bolts."
     - 3.2.3. Slip Critical connections (SC) are shown on the structural design drawings. They join steel-to-steel connections in Seismic Load-Resisting Systems (SLRS).
     - 3.2.4. Fasteners and washers shall not be reused. Scrap dirty, rusted, or water-contaminated bolt assemblies.
   - 3.3. Reduced Beam Sections
     - 3.3.1. Fabrication of the reduced flange sections of beams used in SLRS is restricted to mechanically guided thermal cutting processes. Freehand cutting is not permitted.
     - 3.3.2. Flange cuts shall meet the requirements of AISC 358.
     - 3.3.3. Repair of gouges, notches, mill imperfections, shall conform to the requirements of the AISC and AWS provisions.
   - 3.4. Weld Access Holes and Temporary Attachments
     - 3.4.1. Fabricate beam copes and weld access holes using the geometry described in AISC 360 Section J1.6.
     - 3.4.2. Runoff tabs are to be removed unless noted otherwise.
   - 3.5. Backup Bars: Remove backup bars from all beam bottom flange connections in demand critical welds, unless noted otherwise. Backgouge the root and weld to sound metal. Reweld the gouged area and add a 5/16" reinforcing fillet weld.
   - 3.6. Protected Zones: No connections, other than those on the design drawings, shall be made within the protected zone of the SLRS as identified in AISC 341.
     - 3.6.1. Locate headed studs, welds, miscellaneous metal, etc outside of the protected zone.
     - 3.6.2. Paint the protected zones with bright paint before and after fire coating operations to identify them.
   - 3.7. Field weld symbols indicate welds that may be performed in the field. The general contractor shall coordinate shop and field welds between the fabricator and erector.
   - 3.8. All structural steel members shall be considered as an unrestrained fire-resistance-rated assembly.
4. Welding of Reinforcing Steel or Bolts
   - 4.1. Reinforcing Bars: Do not weld rebar except as specifically detailed in the drawings. In such cases, use only AWS standards. Do not substitute reinforcing bars for deformed bar anchors, structural bolts, or headed stud anchors.
   - 4.2. Do not weld anchor bolts, including "tack" welds.
   - 4.3. Headed Stud Anchor welding and Deformed Bar Anchor welding shall conform to the manufacturer's specifications.

COMPOSITE STEEL BEAMS

1. Composite beams are indicated on the framing plans with a suffix (nn). The number inside parentheses indicates the number of studs for this beam or section of beam. Beams or sections of beams shall have the studs spaced uniformly over the beam or section.
2. All headed stud anchors shall conform to ASTM A-108. Dimensions shall comply with AISC. Use 3/4" diameter studs. Headed studs shall extend 1 1/2" minimum (2" maximum) above the top of the steel deck after welding. Headed studs shall be applied through the metal deck to the top flange of the steel section or welded directly to the steel section.
3. The minimum on center spacing of stud connectors shall be 6 diameters along the longitudinal axis of the supporting composite beam and 4 diameters transverse to the longitudinal axis of the supporting composite beam. The maximum spacing shall not exceed 36" on center.
4. Composite beams shall be precambered as shown on plans. On the plans, c=0.00" denotes precamber dimension (upward) in inches.
5. Camber tolerance shall be +1/4", -0".
6. Slab shall be screeded to a constant thickness as indicated.

OPEN WEB STEEL JOISTS AND GIRDERS

1. All open web steel joist and girders shall be fabricated and erected in accordance with the latest edition of Steel Joist Institute (SJI), "Standard Specifications and Code of Standard Practice."
2. Joists or girders with slopes greater than 1/2" per foot shall be designed to meet or exceed the load capacities, listed in the SJI load tables, of the joist or girder sizes indicated on the framing plan, as if the joists or girders were installed level.
3. Provide special bearing ends to accommodate slopes from sloped joists, sloped girders or sloped bearing conditions.
4. Modifications to any joist or girder, including holes through the top and bottom chords, without the written consent and direction from the manufacturer is not allowed.
5. Design loads, unless noted otherwise:
   - 5.1. Wind loads (W) shown are calculated using ASCE 7.
   - 5.2. Seismic loads (E and Em) shown are calculated using ASCE 7.
   - 5.3. Gravity loads (D, L, S, etc.) shown are Allowable Stress (Working Stress) levels.
   - 5.4. All loads shown are at the levels to be directly used by all of the Load Combinations shown in the IBC 2009 Section 1605, Equations 16-1 through 16-21, WITHOUT further adjustment.
   - 5.5. Allowable stress increases are permitted as allowed by the referenced standard being used for design.
6. The deflection of all open web joists and girders shall be limited to L/240 for total load and L/360 for live load, unless noted otherwise.
7. A certificate of compliance must be submitted to the building official upon completion of fabrication per IBC 2206.5.

METAL DECKING

1. Steel deck shall comply with the latest requirements of the Steel Deck Institute.
2. Steel deck material shall comply with the manufacturer's ICC Report and have a minimum yield strength of 33ksi.
3. All deck shall be 3-span continuous minimum. In areas where 3-span conditions are not possible, the contractor shall provide heavier gauge deck as required to provide the equivalent loading of the specified deck under a 3-span condition.
4. Steel roof deck shall not be used to support loads from plumbing, HVAC ducts, light fixtures, architectural elements, or equipment of any kind, unless specifically noted.
5. All members supporting deck shall be dry before welding.
6. Crimp seams before button punching or welding interlocking seams.
7. Where deck is to receive sprayed-on fire proofing, painted deck shall be coated with special paint that will allow the sprayed-on fire proofing to adhere to the painted deck.
8. All welds performed on the steel deck are to be painted.
9. Steel floor deck shall be galvanized (G60) when used above or below mechanical equipment rooms and in tunnel.
10. Steel floor deck shall be phosphatized/painted, composite, with interlocking side seams with the following minimum properties at the building:

Type/Ga	S(in3/ft)	I (in4/ft)	Concrete (Total)	Allowable shear value
W3/20	0.534	0.896	3 1/2"(6 1/2") LW	1655 plf for 10'-0" span

   - 10.1. Weld deck to supporting framing members with 3/4" diameter puddle welds at the following spacing (Closer spacings may be used to develop minimum shear requirements):
     - 10.1.1. 12" on center to supports perpendicular to deck corrugations (4 welds per 36" wide sheet).
     - 10.1.2. 12" on center to all supports parallel to deck corrugations.
   - 10.2. Attach interlocking seams with 3/16" diameter button punch at 18" on center or 1 1/2" top seam weld at 36" on center between adjacent pieces of deck. Closer spacings may be used to develop minimum shear requirements.
   - 10.3. Provide a 2" minimum bearing at all supports.
   - 10.4. Butt all end splices.
11. Steel floor deck shall have the following minimum properties at the tunnel:

Type/Ga	S(in3/ft)	I(in4/ft)	Concrete (Total)
W2/20	0.370	0.423	10" (12") NW

   - 11.1. Attach interlocking seams with 3/16" diameter button punch at 18" on center or 1 1/2" top seam weld at 36" on center between adjacent pieces of deck.
   - 11.2. Provide a 4" minimum bearing at the concrete wall.
12. Steel roof deck shall be painted with interlocking side seams with the following minimum properties:

Type/Ga	S(in3/ft)	I (in4/ft)	Allowable shear value	Notes
1 1/2" B/20	0.235	0.216	1023 plf for 6'-0" span	Typ. Roof

   - 12.1. Weld steel roof deck to supporting framing members with 3/4" diameter puddle welds at the following spacings (Closer spacings may be used to develop minimum shear requirements):
     - 12.1.1. 6" on center to all supports perpendicular to deck corrugations (7 welds per 36" sheet).
     - 12.1.2. 6" on center to all supports parallel to deck corrugations.
     - 12.1.3. Interlocking side seams between adjacent pieces of decking may be attached with one of the following:
       - 12.1.1.1. "Verco Sidelap Connections" by Verco Manufacturing (VSC) at 12" on center minimum using the "Verco Punchlok System."
       - 12.1.1.2. "ASC DeltaGrip side seam connection" by ASC Steel Deck at 12" on center minimum.
       - 12.1.1.3. 1 1/2" long top seam welds 12" on center minimum. Closer spacing may be used to develop minimum shear requirements.
   - 12.2. At the Contractor's option, Hilti X-EDN19/X-EDNK 22 powder-actuated fasteners may be used in lieu of puddle welds. Follow fastener manufacturer's recommendations for installation. Fasteners shall be installed at the following spacings (Closer spacings may be used to develop minimum shear requirements):
     - 12.2.1. 6" on center to all supports perpendicular to deck corrugations (7 fasteners per 36" sheet).
     - 12.2.2. 6" on center to all supports parallel to deck corrugations.
     - 12.2.3. Interlocking side seams between adjacent pieces of decking may be attached with "Verco Sidelap Connections" by Verco Manufacturing (VSC) at 4" on center Closer spacing may be used to develop minimum shear requirements.
   - 12.3. The Contractor may submit, for review and approval, the manufacturer's ICC report of an alternate method of deck attachment. The alternate method shall provide minimum deck diaphragm shear values equal to or greater than those noted above. The alternate method shall be approved by the engineer of record prior to the substitution.
   - 12.4. Provide a 2" minimum bearing and an 8" lap at the splice points, centering the splice over the support.

COLD FORMED STEEL

1. Wall System Performance Requirements
   - 1.1. All systems intended for use to enclose the building shall comply with the following criteria for interstory drift as required by ASCE 7-05 as interpreted or defined herein and as modified or supplemented herein. Systems shall be detailed to accommodate vertical building movement (live load deflection) in conjunction with interstory drift.
     - 1.1.1. All components and systems shall be designed and detailed for elastic (probable) interstory drift (lateral displacement of one floor relative to adjacent floors as indicated in the General Structural Notes. For this given magnitude of movement, all systems and/or elements and/or components shall remain intact, undamaged and all sealant joints integral to or placed between systems shall remain intact, uncompromised, without failures or breaches. Joints, jointing and/or jointery shall be designed such that sealant materials flex, compress and/or shear within limits recommended by the sealant manufacturers so as to remain an effective barrier for water and air infiltration.
     - 1.1.2. In addition, all systems, elements and components shall be designed and detailed for amplified interstory (credible) as indicated in the General Structural Notes such that no failure or distress occurs to systems, and/or components, and/or elements and/or connections except joint sealant is allowed to fail. Under no circumstances shall elements and/or components come in contract with adjacent systems, elements and/or components.
     - 1.1.3. Systems with glazing are intended to keep all members and glazing intact and connected to the building. Glazing shall not break or become dislodged from its restraints. Gaskets may fail and may dislodge but shall not let glass escape its restraint.
     - 1.1.4. Allowance shall be made for sealant to occupy some finite space when compressed beyond its working limit (suggest ±15% of its static joint width).
   - 1.2. All system connections shall comply with requirements of ASCE 7-05, Chapter 13.
   - 1.3. All systems shall be coordinated with all associated adjoining and interface in systems such that consistency is maintained throughout the exterior closure regarding the mode (sliding or racking) in which the system performs to meet interstory drift and other design criteria.
   - 1.4. Systems and details shall be consistent with the architectural intent for joint sizes and system details to the largest extent possible, or where required, modified only after prior approval.
2. Cold Formed Steel Framing
   - 2.1. The design of cold formed steel and low alloy steel structural members shall be in accordance with AISI-NASPEC, North American Specification for the Design of Cold-Formed Steel Structural Members.
   - 2.2. The design, installation and construction of cold formed steel for structural and non-structural framing shall be in accordance with AISI-CFSD, Standard for Cold-Formed Steel Framing - General Provisions.
   - 2.3. All steel framing members shall comply with ASTM C995.
   - 2.4. Follow all manufacturers' guidelines and recommendations for all products.
   - 2.5. Unless noted otherwise, all welded connections shall be done according to AWS standards.
   - 2.6. All interior non-bearing steel stud walls that extend above the ceiling but do not attach to the structure above shall be braced with diagonal metal-stud braces (45°). The kl/r ratio of the brace shall not exceed 200 and shall not be spaced further apart than 10'-0" on center. Connect diagonal braces to the top of the steel stud walls and to the top flange of the steel beams with (2) #10 tek screws minimum. Where a concrete deck occurs above, use two powder-driven fasteners per diagonal brace. Other approved methods may be used.
   - 2.7. Anchor bolts: See steel section of general notes.
3. Connection Hardware
   - 3.1. Exterior framing shall be attached to primary structure to provide vertical and lateral drift as indicated in these drawings. The "DriftTrack DTSL" by the Steel Network or equivalent is suitable to meet this requirement. Inside and outside corner joints shall be detailed to accommodate the lateral drift indicated. See architectural drawings for joint location and details.
   - 3.2. All connection hardware (examples: "StiffClip", "VertiClip", "DriftClip", "BridgeClip", etc) shown shall be supplied by:
     The Steel Network, Inc.
     3221 Wellington Court
     Raleigh, NC 27615
     Phone: (888) 474-4876
     www.steelnetwork.com
   - 3.3. Install all hardware per the manufacturer's guidelines and recommendations.
   - 3.4. The contractor may submit an alternate connection method for approval by Dunn Associates, Inc. and the Architect.

DEC. 03, 2010
CONFORMED CONSTRUCTION
DOCUMENTS BID SET

NOTE:
THESE STRUCTURAL DRAWINGS ARE BASED ON ARCHITECTURAL DRAWINGS DATED 11.29.2010

DIMENSIONS AND ELEVATIONS, AS THEY RELATE TO THE BUILDING IN GENERAL, i.e. GRID TO GRID DIMENSIONS OR DECK BEARING ELEVATIONS, ARE SUPPLIED BY THE ARCHITECT. THEY ARE PROVIDED ON THE STRUCTURAL PLANS AND DETAILS FOR THE CONVENIENCE OF THE CONTRACTOR. VERIFY DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.

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PROFESSIONAL STRUCTURAL ENGINEER
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12/02/2010
STATE OF UTAH

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HOLLAND CENTENNIAL COMMONS
DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Dunn Job #: 10004
Design By: Dunn Associates
Reviewed By: Chris Olson
Drawn By: Clayton Coster
Owner #: DFCM #06297640
Date: DEC. 03, 2010

GENERAL STRUCTURAL NOTES

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3.2.1.2. Tighten these fasteners to a "snug tight" condition.

GENERAL STRUCTURAL NOTES

QUALITY ASSURANCE PLAN/SPECIAL INSPECTION REQUIREMENTS

1. Seismic/Wind-force-resisting systems:
   - 1.1. Masonry shear walls
   - 1.2. Steel braced frames
   - 1.3. Steel moment frames
   - 1.4. Concrete diaphragms

   See specific discipline drawings for additional designated seismic systems requiring special inspection which are not contained in the structural drawings.
2. Special inspection and testing as required by the IBC shall be provided by an independent agency employed by the owner unless waived by the building official. The contractor shall coordinate and cooperate with the required inspections/tests as indicated below, referring to the IBC section indicated as appropriate.
3. Special inspection reports from the inspector shall be sent to the architect/engineer and building official.
   - 3.1. Bring any discrepancies to the contractor's immediate attention.
   - 3.2. Notify the engineer of any non-passing work that the contractor cannot readily correct.
   - 3.3. Any uncorrected discrepancies shall be brought to the attention of the architect/engineer and building official prior to completion of that phase of the work.
   - 3.4. A final report documenting required special inspections and corrections of any discrepancies shall be provided.
4. Quality Control Submittals for Structural Steel
   - 4.1. Furnish Level III nondestructive testing (NDT) personnel certifications.
   - 4.2. Furnish welder qualification records to verify project welders are tested and qualified in accordance with AWS D1.1 before welding structural or miscellaneous steels, D1.3 before welding sheet steels (10 ga and thinner), and D1.4 before welding reinforcing steel. Submit documentation to the approved inspection agency for review before welding.
     - 4.2.1. Special, restricted welder qualification testing is required for welders joining the bottom-flange through the weld access hole connection in demand critical welds. Qualify welders for the minimum groove angle and maximum deposition rate used in production. Follow the instructions for supplemental qualification testing in AWS D1.8, Section 5.1. Qualification testing must take place within two years from the start of this project.
   - 4.3. Furnish welding procedures that comply with AWS D1.1, D1.3, D1.4, D1.8, as required by the project. Welding procedures shall be made available to welders and inspectors.
     - 4.3.1. Furnish weld filler metal product data sheets identifying optimum welding parameters and storage conditions with each welding procedure submittal.
     - 4.3.2. Identify the maximum welding heat input per inch of weld (KJ/in) permitted by the welding procedures.
     - 4.3.3. Identify the maximum deposition rate that will be used while welding on any demand critical weld.
     - 4.3.4. Furnish typical welding filler metal Certificates of Conformance that identify the WPS Heat Input Envelope.
   - 4.4. Furnish a preliminary welding repair procedure to follow should welding repairs be required within the Seismic Protected Zone.
   - 4.5. Provide bolt storage and installation procedures to the approved inspection agency for review.
   - 4.6. Provide mill/material test reports (MTR) or certificates of conformance (CofC) that verify compliance of furnished materials to the requirements of the approved contract documents. MTRs or CofCs are required for structural shapes, plate, metal deck, fasteners, headed studs, DBAs, weld filler metal, and bolt assemblies used as primary, load-bearing members. Maintain the heat number traceability of structural shapes and plate used as primary, load bearing members.
5. Special Inspectors
   - 5.1. Special inspectors shall be qualified persons who shall demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection.
   - 5.2. Structural Steel Non-Destructive Testing (NDT)
     - 5.2.1. NDT personnel will:
       - 5.2.1.1. Qualify in accordance with the recommended practices of the American Society of Nondestructive Testing, SNT-TC-1A, latest edition.
       - 5.2.1.2. Pass eye examinations meeting: (1) ASTM requirements at least once a year, and (2) AWS D1.1 every three years.
       - 5.2.1.3. Be certified in accordance with the AWS QC-1, latest edition.
       - 5.2.1.4. Level III must be qualified by ASNT testing in the applicable method under review.
     - 5.2.2. Only Level II and Level III technicians, qualified by testing in the applicable method, are permitted to interpret nondestructive testing results.
     - 5.2.3. Only Senior Certified or Certified Welding Inspectors (SCWI, CWI) are permitted to evaluate welds. Certified Associate Welding Inspectors may evaluate welds when under the direct supervision of a SCWI and/or CWI.
   - 5.3. Approved Inspection Agency will certify the following:
     - 5.3.1. Level III inspector has reviewed the NDT procedures
     - 5.3.2. Project ultrasonic testing technicians, testing demand critical welds, are trained and qualified in accordance with AWS D1.8, Annex E
     - 5.3.3. That the Inspection Agencies' ultrasonic testing procedures are qualified by weld mockups similar to AWS D1.1, Annex S
6. Section 1704: Special Inspections
   - 6.1. Fabricators (1704.2): All offsite fabrication of structural members shall be special inspected as required by the IBC, except work performed by fabricators registered and approved to perform work without special inspection. Approved fabricators shall submit a certificate of compliance to building official at the completion of fabrication.
   - 6.2. Steel (1704.3): Special inspection is required during the fabrication of any load-bearing members and assemblies, unless the fabricator and/or erector demonstrate prior approval by the jurisdiction where fabricated steel will be installed.
     - 6.2.1. Perform all welding and welding special inspection activities in accordance with AWS D1.1, D1.3, D1.4, and D1.8 as appropriate for the material form and welding methods employed. Approved methods and acceptance criteria are established in these codes.
     - 6.2.2. Perform all bolting and bolting inspection in accordance with AISC Specification for Structural Joints Using A325 and A490 Bolts.
     - 6.2.3. Continuous Special Inspection of welding is required for:
       - 6.2.3.1. Complete and partial penetration welds, except flare-bevel groove welds
       - 6.2.3.2. Multi-pass fillet welds
       - 6.2.3.3. Single-pass fillet welds larger than 5/16"
     - 6.2.4. Continuous Special Inspection of pretensioned and slip-critical bolts is required as follows:
       - 6.2.4.1. Verify surface condition of all faying surfaces attached with pretensioned fasteners is in accordance with AISC Specification for Structural Joints Using A325 and A490 Bolts.
       - 6.2.4.2. Witness pretensioned and slip-critical fastener installations to verify the methods are controlled in accordance with the AISC Specification for Structural Joints Using A325 and A490 Bolts.
     - 6.2.5. Periodic Special Inspection of welding is required for (Inspect 25% of welds while welding operations are taking place):
       - 6.2.5.1. Single-pass fillet welds equal to or smaller than 5/16"
       - 6.2.5.2. Floor and roof deck arc spot, puddle welds
       - 6.2.5.3. Welding of stairs and railing systems, cold formed steel studs/joists.
     - 6.2.6. Periodic Special Inspection of all bolts is required as follows:
       - 6.2.6.1. Verify the proper grade of fasteners are installed where indicated in the approved construction drawings.
       - 6.2.6.2. Verify the storage and cleanliness of high strength fasteners meets AISC requirements.
       - 6.2.6.3. Store fasteners in protected storage until released for use. Temperature control is not required. Do not use fastener components showing rust, dirt, or grit. Cleaning or modifying fastener components from the as-delivered condition is not permitted.
       - 6.2.6.4. Verify the faying surfaces have been brought into firm contact, the bolts are in a snug tight condition, and that washers have been used as required.
     - 6.2.7. Periodic Special Inspection of pretensioned and slip-critical bolts is required as follows:
       - 6.2.7.1. Confirm complete fastener assemblies and the wrench systems used are suitable for pretensioned and slip-critical installations.
       - 6.2.7.2. Test fastener combinations and calibrate wrench systems using calibrated tension calibrators, Skidmore-Wilhelm, or equal, in accordance with the AISC Specification for Structural Joints Using A325 or A490 Bolts.
       - 6.2.7.3. Verify high strength fasteners are installed to a snug tight condition either before pretensioning or as a final condition where no other bolting requirements are imposed. Do not intermingle lots verified for pretensioned or slip-critical installations.
       - 6.2.7.4. Witness bolting operations while the contractor performs pretensioning using match-marked, turn-of-the-nut method, or when using DTIs, or twist-off bolts.
     - 6.2.8. Non-Destructive Testing (NDT) of Welds is required as follows:
       - 6.2.8.1. Fabricators will visually inspect all welds for conformance to the approved construction drawings before releasing items for installation.
       - 6.2.8.2. Test all complete joint penetration welds joining primary structural members 5/16" or thicker, by radiographic or ultrasonic testing. Test in accordance with AWS D1.1, Section 6.
       - 6.2.8.3. Ultrasonically test base metal thicker than 1 1/2" for material discontinuities when that material is subjected to through-thickness weld shrinkage strains. (e.g. column flange of the beam-to-column, or column to base plate, complete joint penetration welds)
       - 6.2.8.4. Magnetic Particle Test is required for the following items:
         - 6.2.8.4.1. All temporary attachment or unauthorized weld sites or repairs inside the Protected Zones after finishing and grinding operations
         - 6.2.8.4.2. Any welds made in the k-zone
         - 6.2.8.4.3. 25% of all beam-to-column complete joint penetration welds
         - 6.2.8.4.4. Beam copes and weld access holes made in rolled shapes with flange thickness greater than 1 1/2" or in built-up shapes with webs thicker than 1 1/2"
         - 6.2.8.4.5. Weld tab removal sites.
       - 6.2.8.5. Amount of NDT is permitted to be reduced according to AISC 341, Appendix Q5.2(g) and (h) if appropriate criteria are met and if approved by the building official and engineer of record.
   - 6.3. Concrete (1704.4): Concrete construction shall be special inspected according to Table 1704.4. In the absence of sufficient data or documentation showing conformance to quality standards for materials, testing shall be required to determine material properties under the direction of the building official according to Chapter 3 of ACI 318.
   - 6.4. Masonry (1704.5): Masonry foundation walls constructed in accordance with Tables 1807.1.6.3(1-4) and masonry fireplaces, heaters and chimneys are not required to be special inspected. Engineered masonry in Occupancy Category I, II or III shall be special inspected according to Table 1704.5.1, excluding empirically designed masonry, glass unit masonry or masonry veneer. Engineered masonry in Occupancy Category IV shall be special inspected according to Table 1704.5.3.
   - 6.5. Soils (1704.7): Existing site soil conditions, fill placement and procedure and load-bearing requirements shall be special inspected to verify compliance with the approved soils report and Table 1704.7. Where total depth of controlled fill is 12" or less, the special inspector shall verify that the in-place dry density of the compacted fill is not less than the 90% of the maximum dry density at optimum moisture content according to ASTM D 1557.
   - 6.6. Rammed Aggregate pier type foundations (1704.10): Special inspections shall be performed continuously during installation to verify compliance with the approved soils report. Recorded information shall include installation equipment used, pile dimensions, tip elevations, final depth, final installation torque and other perfinent data as required.
   - 6.7. Sprayed fire-resistant materials (1704.12): Special inspections for sprayed fire-resistant materials applied to structural elements and decks shall be in accordance with Sections 1704.12.1 through 1704.12.6 and based on the fire-resistance design as designated in the architectural drawings.
   - 6.8. Mastic and intumescent fire-resistant coatings (1704.13): Special inspections for mastic and intumescent fire-resistant coatings applied to structural elements and decks shall be in accordance with AWCI 12-B and based on the fire-resistance design as designated in the architectural drawings.
   - 6.9. See architectural drawings for additional inspections pertaining to EIFS (1704.14) or smoke control systems (1704.16).
   - 6.10. Special Cases (1704.15): Special inspect all post-installed anchors per ICC report.
7. Section 1707: Special Inspections for Seismic Resistance
   - 7.1. Structural steel (1707.2): See special inspections for steel above.
   - 7.2. See specific discipline drawings for anchorage of storage racks (1707.5), architectural components (1707.6), mechanical/electrical components (1707.7) and designated seismic system verification (1707.8).
8. Section 1708: Structural Testing for Seismic Resistance
   - 8.1. Structural steel (1708.3): See special inspections for steel above.
   - 8.2. See manufacturer's seismic certification of compliance for non-structural components.
9. Structural Observations for Seismic Resistance: Contractor shall notify the engineer at least 2 days prior to the following stages of construction so the engineer may have the opportunity to review the work. Observation reports shall be sent to architect, contractor and building official.
   - 9.1. Initial placing of any concrete, including but not limited to: footings, slabs on grade or concrete over steel deck
   - 9.2. Initial grout pours for masonry walls
   - 9.3. Initial erection of structural steel
   - 9.4. Completion of structural roof deck
   - 9.5. Initial finish work

BUILDING MAXIMUM STORY DRIFTS

FLOOR	FLOOR TO FLOOR HEIGHT (feet)	ELASTIC STORY DRIFT		INELASTIC STORY DRIFT	
		STORY DRIFT (inch)	DRIFT RATIO	STORY DRIFT (inch)	DRIFT RATIO
ROOF	15'-4"	0.14"	0.0007	0.62"	0.0031
05	15'-4"	0.33"	0.0018	1.45"	0.0079
04	15'-4"	0.39"	0.0021	1.72"	0.0092
03	14'-0"	0.57"	0.0017	2.51"	0.0075
02M	13'-4"	0.23"	0.0014	1.01"	0.0062
02	15'-4"	0.15"	0.0008	0.66"	0.0035

NOTE: DRIFTS SHOWN ARE FROM FLOOR TO FLOOR DRIFT

LEGEND OF MARKS AND ABBREVIATIONS

AB	Anchor Bolt	JST	Joist
ABV	Above		
ALT	Alternate	K	Kip(S) = 1000 Pounds
ARCH	Architect	KLF	Kips Per Lineal Foot
		KSF	Kips Per Square Foot
BLDG	Building		
BLK	Blocking	LB	Pounds (#)
BLW	Below	LOC	Location
BM	Beam		
BOTT	Bottom	MAX	Maximum
BRB	Buckling Restrained Brace	MECH	Mechanical
BRDG	Bridging	MEZZ	Mezzanine
BRG	Bearing	MFR	Manufacturer
BTW	Between	MIN	Minimum
		MISC	Miscellaneous
CGS	Center of Gravity of Strand	MTL	Metal
CJ	Control Joint		
CJP	Complete Joint Penetration	NTS	Not To Scale
CL	Center Line		
COL	Column	oc	On Center
CONC	Concrete	OPNG	Opening
CONN	Connection	OPP	Opposite
CONT	Continuous		
COORD	Coordinate	PCF	Pounds per Cubic Foot
CTR	Center	PEN	Penetrate or Penetration
		PERP	Perpendicular
DB	Deck Bearing	PL	Plate
DBA	Deformed Bar Anchor	PLF	Pounds per Lineal Foot
DBL	Double	PREFAB	Prefabricated
DCW	Demand Critical Weld	PSF	Pounds per Square Foot
DET	Detail	PSI	Pounds per Square Inch
DIA	Diameter		
DIM	Dimension	REINF	Reinforce
DWG	Drawing	REQD	Required
		RTU	Roof Top Unit
(E)	Existing		
EA	Each	SCHED	Schedule
EF	Each Face	SIM	Similar
EL	Elevation	SOG	Slab on Grade
ELEC	Electrical	STD	Standard
ENGR	Engineer	STIFF	Stiffener
EQ	Equal	STL	Steel
EQUIP	Equipment	STRUCT	Structural
EQ SP	Equally Spaced	SW	Shear Wall
EW	Each Way		
EJ	Expansion Joint	T&B	Top and Bottom
EXT	Exterior	TEMP	Temperature
		THRU	Through
FLR	Floor	T/	Top of
FND	Foundation	TYP	Typical
FTG	Footing		
		UNO	Unless Noted Otherwise
ga	Gage		
GALV	Galvanized	VERT	Vertical
GSN	General Structural Notes		
		W/	With
HORIZ	Horizontal	WWR	Welded Wire Reinforcement
HSA	Headed Stud Anchor	WP	Working Point
HSS	Hollow Structural Section		
ICBO	International Conference of Building Officials		
IBC	International Building Code		
ICC	International Code Council		
INT	Interior		

DEFERRED SUBMITTALS

1. Items requiring deferred submittals that are listed below are to be designed and fabricated by the manufacturer according to specifications given in the construction documents.
   - 1.1. Open Web Steel Roof Joists (by steel joist manufacturer)
   - 1.2. Steel Stairs (by steel stair manufacturer)
   - 1.3. Precast Concrete Elements including GFRC Panels (by supplier)
   - 1.4. Rammed Aggregate Pier Reinforcing
   - 1.5. Cold Formed Metal Framing
2. These deferred submittals shall first be submitted to the project architect and/or engineer for review and coordination. Upon completion of the architect/engineer review, the architect/engineer will submit the deferred submittals to the Building Official for review and approval. The submittal to the Building Official shall include a letter stating that the architect/engineer review has been performed and that the plans and calculations for the deferred submittal items are found to be in general conformance with the design drawings with no exceptions.
3. The final submittal shall be signed and sealed by a Professional Engineer licensed in the state in which construction will occur and shall be available at the jobsite throughout construction.
4. Construction related to deferred submittals shall not commence until the Building Official has approved the submittal.

CENTRAL PLANT

SHEET LIST	
SHEET NUMBER	SHEET NAME
SP110	OVERALL FOOTING AND FOUNDATION PLAN AT CHILLER
SP111	FOOTING AND FOUNDATION PLAN AND ROOF FRAMING PLAN AT CHILLER
SP301	CHILLER SCHEDULES
SP501	FOOTING AND FOUNDATION DETAILS AT CHILLER
SP701	ROOF FRAMING DETAILS AT CHILLER

BUILDING AND TUNNEL

Sheet List	
Sheet Number	Sheet Name
Project Info	ID
S001	GENERAL STRUCTURAL NOTES
S002	GENERAL STRUCTURAL NOTES
S110	BUILDING LOADS AT FOUNDATION LEVEL FOR PIER LAYOUT
S111	LEVEL 01 - FOOTING AND FOUNDATION PLAN
S121	LEVEL 02 - FLOOR FRAMING PLAN
S122	LEVEL 02M - FLOOR FRAMING PLAN
S131	LEVEL 03 - FLOOR FRAMING PLAN
S141	LEVEL 04 - FLOOR FRAMING PLAN
S151	LEVEL 05 - FLOOR FRAMING PLAN
S161	PENTHOUSE ROOF LEVEL AND CANOPY - FRAMING PLAN
S162	ROOF LEVEL - FRAMING PLAN
S171	INTERMEDIATE STAIR LANDING FRAMING PLANS
S172	GRAND STAIR PLANS AND SECTION
S173	AMPHITHEATER PLANS AND SECTIONS
S401	MOMENT FRAME ELEVATIONS
S402	MOMENT FRAME ELEVATIONS
S403	MOMENT FRAME DETAILS
S404	MOMENT FRAME DETAILS
S405	BRACED FRAME SCHEDULES AND DETAILS
S501	FOOTING AND FOUNDATION DETAILS
S502	FOOTING AND FOUNDATION DETAILS
S503	FOOTING AND FOUNDATION DETAILS
S510	FLOOR FRAMING DETAILS
S511	FLOOR FRAMING DETAILS
S512	FLOOR FRAMING DETAILS
S513	FLOOR FRAMING DETAILS
S514	FLOOR FRAMING DETAILS
S520	STAIR FRAMING DETAILS
S530	GFRC PANEL SUPPORT DETAILS
S540	ROOF FRAMING DETIALS
S541	ROOF FRAMING DETAILS
S542	ROOF FRAMING DETAILS
S601	SCHEDULES
S602	SCHEDULES
S603	SCHEDULES
S604	FLOOR LOADS DIAGRAM SCHEDULE
SS501	TUNNEL PLAN AND DETAILS

NOTE:
1. THIS SHEET CONTAINS A LIST OF DRAWINGS WHICH ARE PART OF A FULL SET OF DRAWINGS FOR THIS PROJECT. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE RESPONSIBLE FOR THE INFORMATION CONTAINED IN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS. IF ANY PERSON, PARTY OR ENTITY ELECTS TO SUBMIT BIDS FOR ANY PORTION, OR ALL, OF THIS PROJECT, THAT PERSON, PARTY OR ENTITY SHALL BRESPONSIBLE FOR ANY AND ALL INFORMATION CONTAINED IN THE FULL SET OF DRAWINGS ANISPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDUMS OR CLARIFICATIONS THAT MAY BE ISSUED.
2. THESE DOCUMENTS SHOW THE DESIGN INTENT. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE EVERYTHING SHOWN ON THE DRAWINGS OR SPECIFIED REGARDLESS OF WHERE IT IS SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS. FOR EXAMPLE, SOME MILLWORK DETAILS HAVE STEEL FRAMES WHICH MAYBE PROVIDED BY DIVISION 05 OR WITH THE MILLWORK AT THE CONTRACTOR'S DISCRETION, BUT IT SHALL BE PROVIDED AS PART OF THE CONTRACT.
3. EVERYTHING CALLED FOR IN THESE DOCUMENTS SHALL BE "NEW" AND PROVIDED BY THE CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT UNLESS NOTED OTHERWISE AS EXISTING (EXIST), NOT IN CONTRACT (NIC) OR FOR REFERENCE ONLY. FURNISHINGS SHOWN DASHED SHALL BE FOR REFERENCE ONLY.

DEC. 03, 2010
CONFORMED CONSTRUCTION
DOCUMENTS BID SET

NOTE:
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DIMENSIONS AND ELEVATIONS, AS THEY RELATE TO THE BUILDING IN GENERAL, i.e. GRID TO GRID DIMENSIONS OR DECK BEARING ELEVATIONS, ARE SUPPLIED BY THE ARCHITECT. THEY ARE PROVIDED ON THE STRUCTURAL PLANS AND DETAILS FOR THE CONVENIENCE OF THE CONTRACTOR. VERIFY DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Dunn Job #:	10004
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

GENERAL STRUCTURAL NOTES

S002

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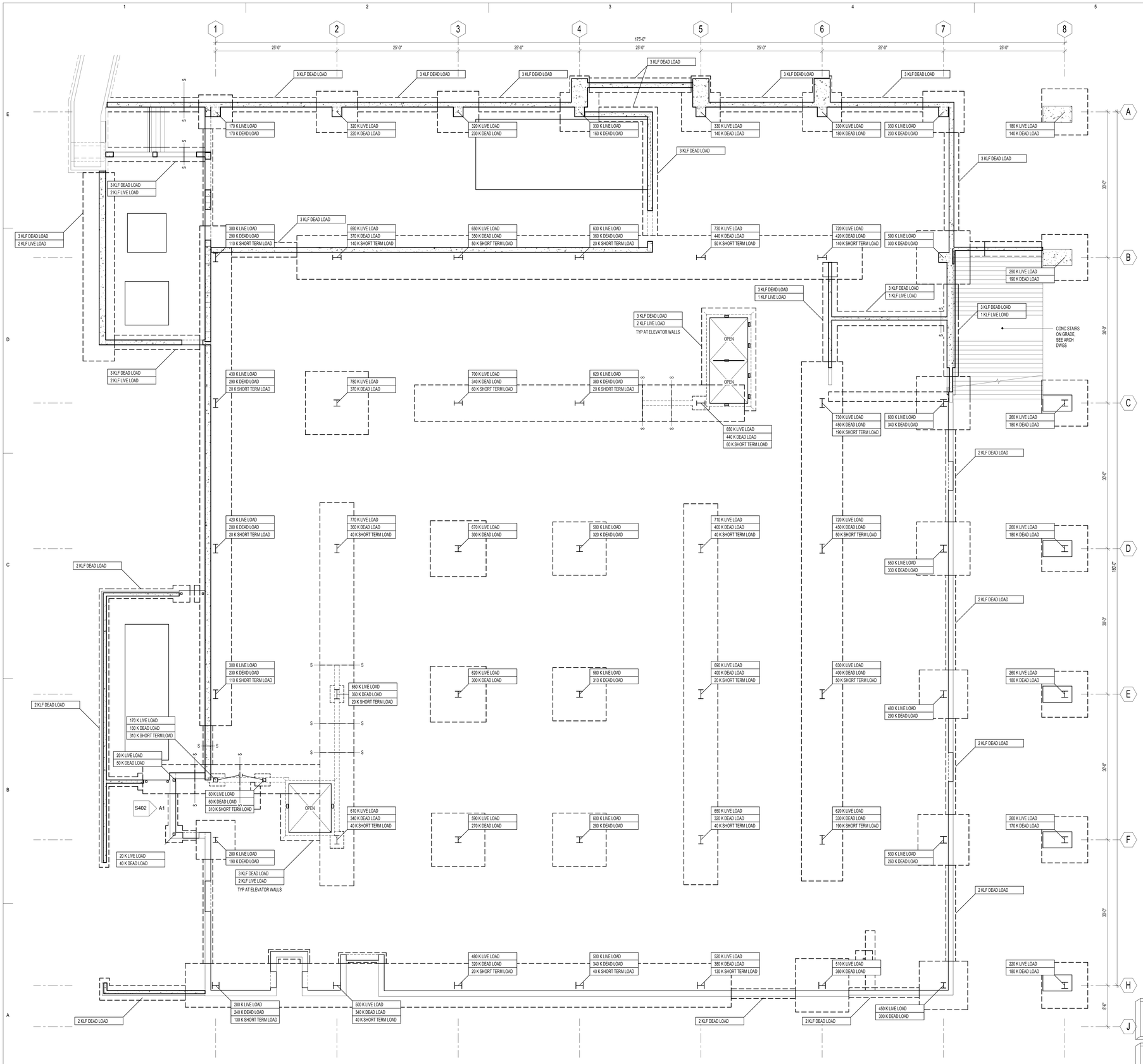

A2 / S110 BUILDING LOADS AT FOUNDATION LEVEL FOR PIER LAYOUT

NO SCALE

NOTES

1. DEAD AND LIVE LOADS SHOWN ARE AT SERVICE LEVEL.
2. SHORT TERM LOADS ARE WIND LOADS FROM ASCE 7 LOAD CASES.
3. RAMMED AGGREGATE PIERS MUST ACHIEVE A MINIMUM OF 7500 psf BEARING PRESSURE.

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BUILDING LOADS AT FOUNDATION LEVEL FOR PIER LAYOUT

S110

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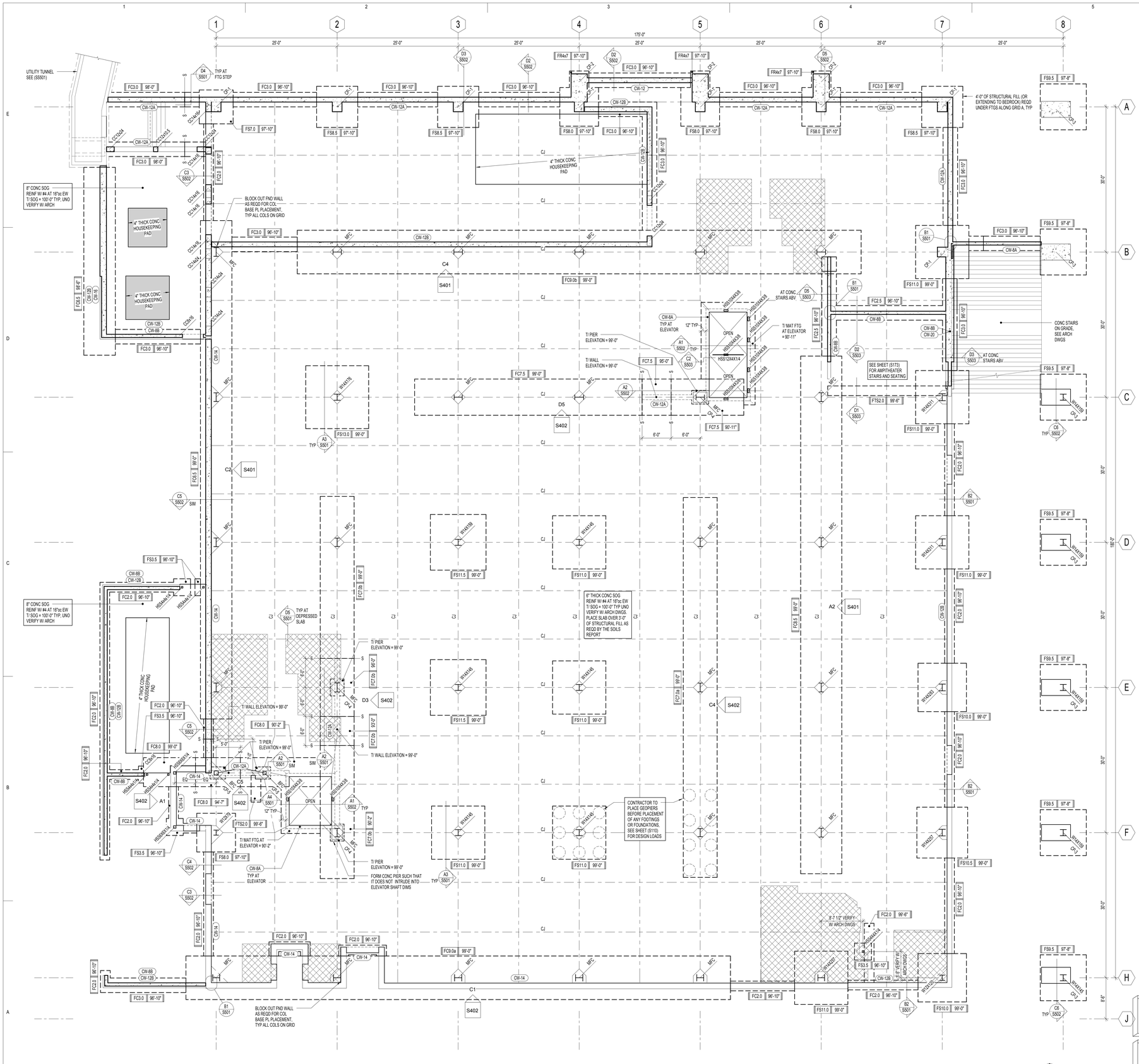

A2 S111 LEVEL 01 - FOOTING AND FOUNDATION PLAN
1/8" = 1'-0"

FOOTING AND FOUNDATION PLAN NOTES:

1. COORDINATE LOCATION OF DEPRESSED SLABS, SLOPED SLABS, AND FLOOR DRAINS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. SEE ARCHITECTURAL DRAWINGS AND CIVIL DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
3. CENTER ALL SPOT FOOTINGS UNDER COLUMNS AS SHOWN ON PLAN, TYPICAL UNO.
4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
5. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (S501) FOR BURIED PIPES RUNNING PARALLEL AND PERPENDICULAR TO FOOTINGS.
6. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (S501) FOR TYPICAL CONSTRUCTION AND CONTROL JOINTS IN FLOOR SLABS.
7. FOR LOCATIONS WHERE CONTROL JOINTS ARE DISCONTINUOUS, SEE FOOTING AND FOUNDATION DETAILS ON SHEET (S501).
8. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (S501) FOR REINFORCING AROUND MISCELLANEOUS OPENINGS IN CONCRETE WALLS.
9. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (S501) FOR FILL BENEATH FOOTINGS.
10. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (S501) FOR REINFORCING DOWELS AT INTERSECTING CONCRETE WALLS
10. SEE SHEETS (S401) THRU (S405) FOR FRAME ELEVATIONS, DETAILS AND SCHEDULES.

MARKS AND SYMBOL LEGEND

	SECTION MARK / SHEET NUMBER
	FRAME EL MARK / SHEET NUMBER
FTG EL	FTG DESIGNATION / TOF EL
	DEPRESSED FND WALL, POUR SLAB OVER, SEE FTG AND FND DETS ON (S501)
S S	FTG STEP, SEE FTG AND FND DETS ON (S501)
	RECESSED SLAB, SEE ARCH PLANS FOR EXACT LOCATION AND RECESS DEPTH
	CONC WALL, SEE SCHED ON (S601)
□ or I	STL COL, SEE SCHED ON (S602)
CW-X	CONC WALL, SEE SCHED ON (S601)
W_x_ or HSS_x_x_	STL COL, SEE SCHED ON (S602)
CP-x	CONC PIER, SEE SCHED ON (S601)
CC-x	CONC COL, SEE SCHED ON (S601)
FC-x	CONT FTG, SEE SCHED ON (S601)
FS-x	SPOT FTG, SEE SCHED ON (S601)
FTS-x	THICKENED SLAB FTG, SEE SCHED ON (S601)
CJ	CONTROL JOINT, SEE FTG AND FND DETS ON (S501)

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LEVEL 01 - FOOTING AND FOUNDATION PLAN

S111

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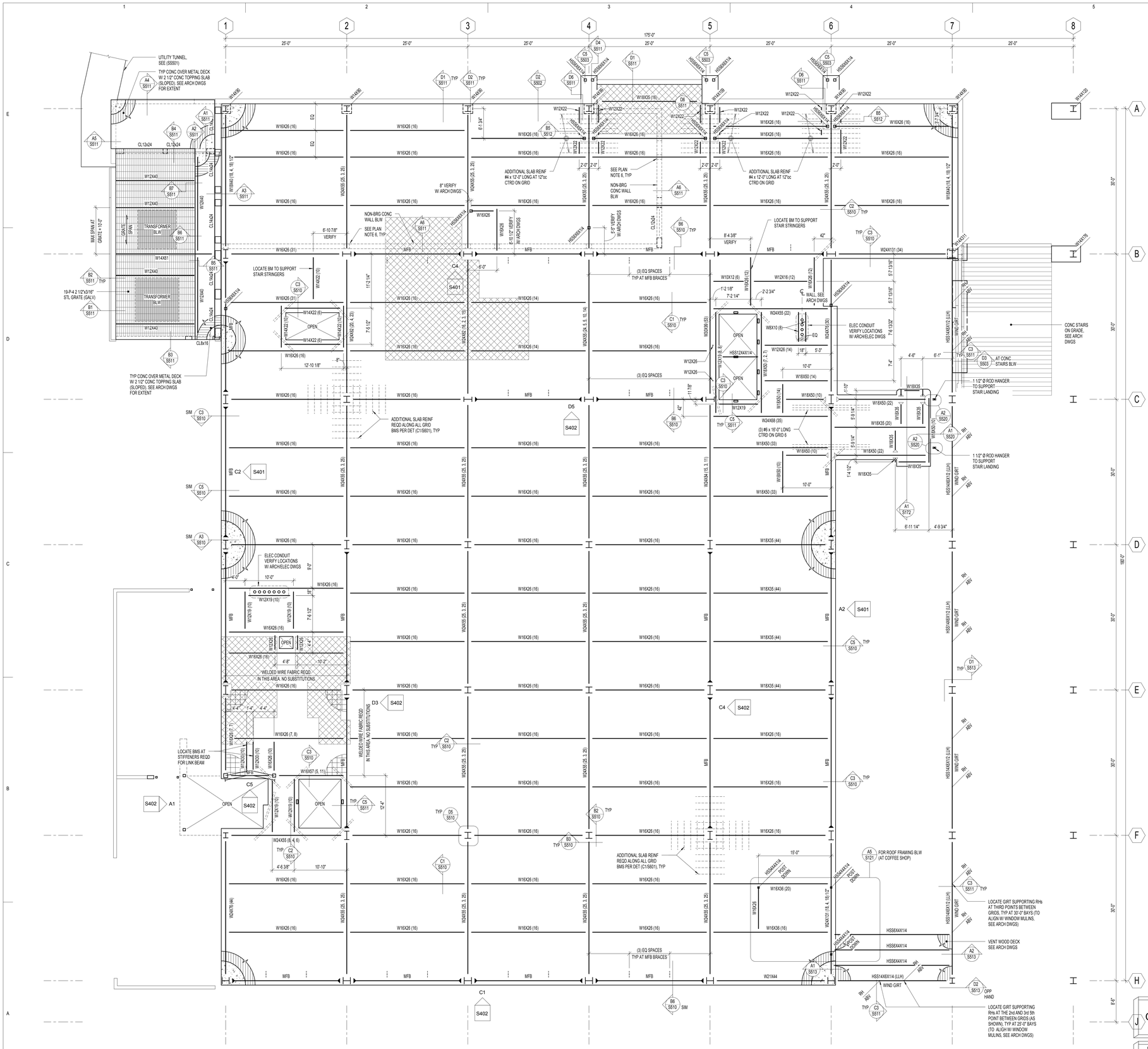


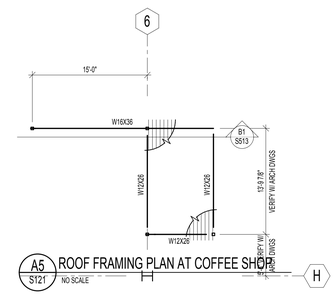
A2 S121 LEVEL 02 - FLOOR FRAMING PLAN
1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:

1. VERIFY ALL FLOOR OPENINGS FOR MECHANICAL SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL DRAWINGS.
2. SEE FLOOR FRAMING DETAILS ON SHEET (S510) FOR FRAMING AROUND MISCELLANEOUS OPENINGS.
3. SEE SHEETS (S401) THRU (S405) FOR FRAME ELEVATIONS, DETAILS AND SCHEDULES.
4. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS TO STEEL COLUMNS AND SLAB EDGES.
5. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (S501) FOR REINFORCING AROUND MISCELLANEOUS OPENINGS IN CONCRETE WALLS.
6. BLOCK OUT CONCRETE WALL BELOW TO ALLOW A 2" CLEARANCE BETWEEN CONCRETE AND STEEL BEAMS AND ITS FIRE PROOFING, TYP

MARKS & SYMBOLS LEGEND

- SECTION MARK / SHEET NUMBER
- FRAME EL MARK / SHEET NUMBER
- CONC OVER MTL DECK, SEE GSN ON (S001)
- MTL ROOF DECK, UNO, SEE GSN ON (S001)
- ADDITIONAL CONC REINF OF (2) #6 BARS x 12'-0", CTR ON CORNERS, NO SPLICES
- RECESSED SLAB, SEE ARCH PLANS FOR EXACT LOCATION AND RECESS DEPTH. REDUCE THE LENGTH OF THE HEADED STUDS IN THIS AREA BY THE RECESS DEPTH
- CONC WALL, SEE SCHED ON (S601)
- STL COL, SEE SCHED ON (S602)
- MOMENT CONNECTION FOR LATERAL FRAMES, SEE DETS ON (S404)
- MOMENT CONNECTION FOR GRAVITY
- MOMENT FRAME BEAM BRACES
- W_x_ or HSS_x_x_ — STL COL, SEE SCHED ON (S602)
- CL-x — CONC LINTEL, SEE SCHED ON (S601)
- W_x_ — COMPOSITE STL BMS, SEE GSN ON (S001)
- (x) — NUMBER OF HSA FOR SECTION OF COMPOSITE STL BM, SEE GSN ON (S001)
- (c=_") — REQD PRE-CAMBER AT MID-SPAN OF BMS, CAMBER TOLERANCE SHALL BE +1/4", -0"
- RH — 1"Ø ROD HANGER, HUNG FROM FLR FRAMING DOWN TO WIND GIRTS. LOCATE AT THIRD POINTS BTWN GRIDS ALONG GIRT



A5 S121 ROOF FRAMING PLAN AT COFFEE SHOP
NO SCALE

DEC. 03, 2010
CONFORMED CONSTRUCTION DOCUMENTS BID SET

NOTE:
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12/02/2010

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

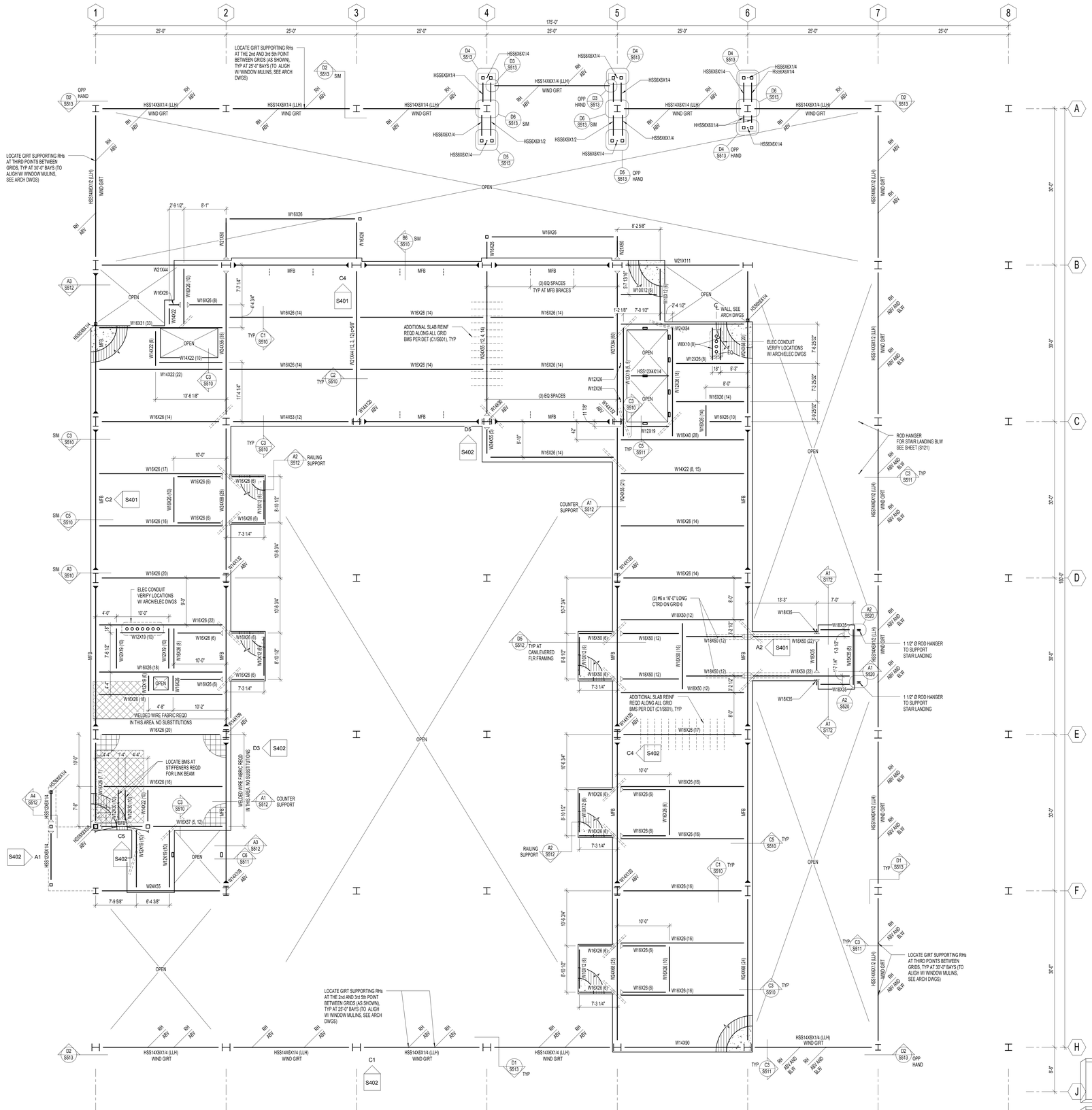
Rev #	Date	Description

Dunn Job #:	10004
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

LEVEL 02 - FLOOR FRAMING PLAN

S121

12/2/2010 8:58:01 AM



A2 / S122 LEVEL 02M - FLOOR FRAMING PLAN
1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:

1. VERIFY WALL FLOOR OPENINGS FOR MECHANICAL SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL DRAWINGS.
2. SEE FLOOR FRAMING DETAILS ON SHEET (S510) FOR FRAMING AROUND MISCELLANEOUS OPENINGS.
3. SEE SHEETS (S401) THRU (S405) FOR FRAME ELEVATIONS, DETAILS AND SCHEDULES.
4. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS TO STEEL COLUMNS AND SLAB EDGES.
5. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (S501) FOR REINFORCING AROUND MISCELLANEOUS OPENINGS IN CONCRETE WALLS.

MARKS & SYMBOLS LEGEND

- SECTION MARK / SHEET NUMBER
- FRAME EL MARK / SHEET NUMBER
- CONC OVER MTL DECK, SEE GSN ON (S001)
- ADDITIONAL CONC REINF OF (2) #6 BARS x 12'-0", CTR ON CORNERS, NO SPLICES
- RECESSED SLAB, SEE ARCH PLANS FOR EXACT LOCATION AND RECESS DEPTH. REDUCE THE LENGTH OF THE HEADED STUDS IN THIS AREA BY THE RECESS DEPTH
- CONC WALL, SEE SCHED ON (S601)
- STL COL, SEE SCHED ON (S602)
- MOMENT CONNECTION FOR LATERAL FRAMES, SEE DETS ON (S404)
- MOMENT CONNECTION FOR GRAVITY
- W_x_ or HSS_x_x_ — STL COL, SEE SCHED ON (S602)
- W_x_ — COMPOSITE STL BMS, SEE GSN ON (S001)
- (x) — NUMBER OF HSA FOR SECTION OF COMPOSITE STL BM. SEE GSN ON (S001)
- (c=_") — REQD PRE-CAMBER AT MID-SPAN OF BMS; CAMBER TOLERANCE SHALL BE +1/4", -0"
- RH — 1"Ø ROD HANGER, HUNG FROM FLR FRAMING DOWN TO WIND GIRTS. LOCATE AT THIRD POINTS BTWN GRIDS ALONG GIRT

DEC. 03, 2010
CONFORMED CONSTRUCTION DOCUMENTS BID SET

NOTE:
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HOLLAND CENTENNIAL COMMONS

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DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

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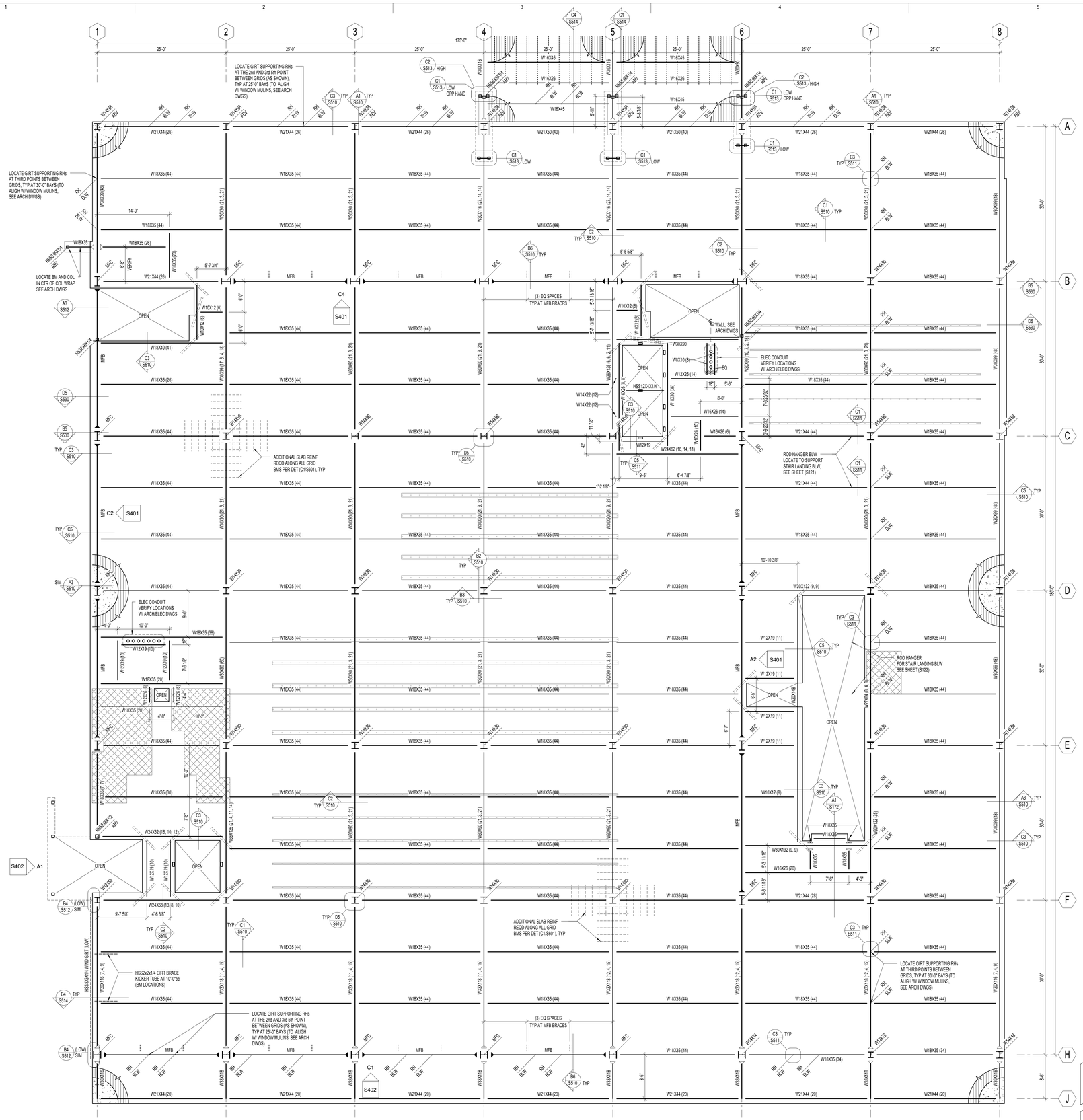
Dunn Job #:	10004
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

LEVEL 02M - FLOOR FRAMING PLAN

S122

12/2/2010 8:58:03 AM



A2 S131 LEVEL 03 - FLOOR FRAMING PLAN
1/8" = 1'-0"

NORTH

FLOOR FRAMING PLAN NOTES:

1. VERIFY WALL FLOOR OPENINGS FOR MECHANICAL SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL DRAWINGS.
2. SEE FLOOR FRAMING DETAILS ON SHEET (S510) FOR FRAMING AROUND MISCELLANEOUS OPENINGS.
3. SEE SHEETS (S401) THRU (S405) FOR FRAME ELEVATIONS DETAILS AND SCHEDULES.
4. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS TO STEEL COLUMNS AND SLAB EDGES.
5. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (S501) FOR REINFORCING AROUND MISCELLANEOUS OPENINGS IN CONCRETE WALLS.

MARKS & SYMBOLS LEGEND

- SECTION MARK / SHEET NUMBER
- FRAME EL MARK / SHEET NUMBER
- CONC OVER MTL DECK, SEE GSN ON (S001)
- ADDITIONAL CONC REINF OF (2) #6 BARS x 12'-0", CTR ON CORNERS, NO SPLICES
- RECESSED SLAB, SEE ARCH PLANS FOR EXACT LOCATION AND RECESS DEPTH. REDUCE THE LENGTH OF THE HEADED STUDS IN THIS AREA BY THE RECESS DEPTH
- CONC WALL, SEE SCHED ON (S601)
- STL COL, SEE SCHED ON (S602)
- MOMENT CONNECTION FOR LATERAL FRAMES, SEE DETS ON (S404)
- MOMENT CONNECTION FOR GRAVITY
- W_x_ or HSS_x_x_ — STL COL, SEE SCHED ON (S602)
- W_x_ — COMPOSITE STL BMS, SEE GSN ON (S001)
- (x) — NUMBER OF HSA FOR SECTION OF COMPOSITE STL BM, SEE GSN ON (S001)
- (c=_") — REQD PRE-CAMBER AT MID-SPAN OF BMS, CAMBER TOLERANCE SHALL BE +1/4", -0"
- RH — 1"Ø ROD HANGER, HUNG FROM FLR FRAMING DOWN TO WIND GIRTS. LOCATE AT THIRD POINTS BTWN GRIDS ALONG GIRT
- QR — RECESSES FOR COMPACT SHELVING SYSTEM, SEE ARCH DWGS

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STRUCTURAL — CHRISTOPHER D. OLSON — 295738 — STATE OF UTAH — 12/02/2010

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

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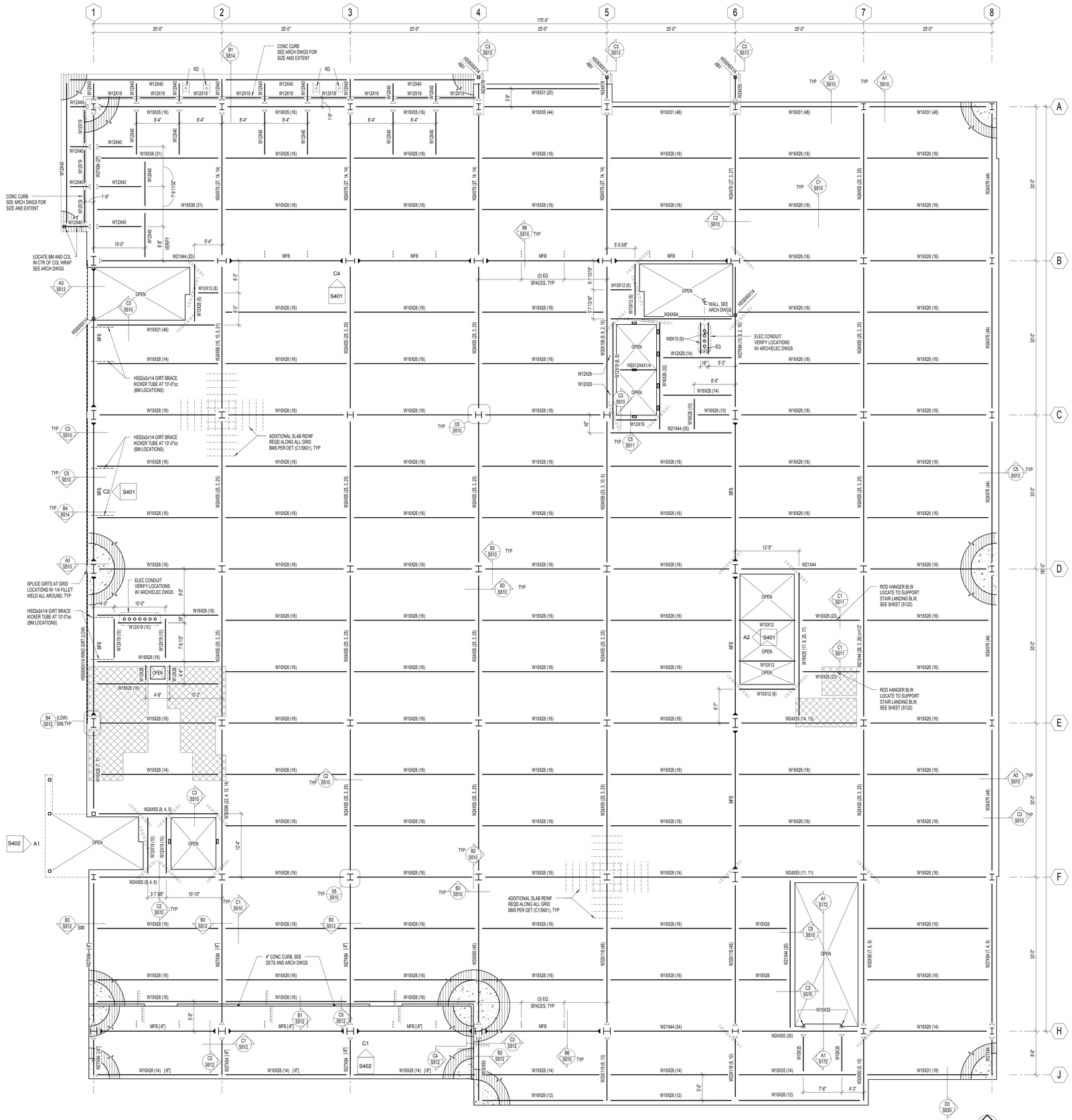
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

LEVEL 03 - FLOOR FRAMING PLAN

S131

12/2/2010 8:58:04 AM



A2 / S141 LEVEL 04 - FLOOR FRAMING PLAN
1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:

1. VERIFY WALL FLOOR OPENINGS FOR MECHANICAL SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL DRAWINGS.
2. SEE FLOOR FRAMING DETALS ON SHEET (S510) FOR FRAMING AROUND MISCELLANEOUS OPENINGS.
3. SEE SHEETS (S401) THRU (S405) FOR FRAME, ELEVATIONS DETAILS AND SCHEDULES.
4. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS TO STEEL COLUMNS AND SLAB EDGES.
5. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (S501) FOR REINFORCING AROUND MISCELLANEOUS OPENINGS IN CONCRETE WALLS.

MARKS & SYMBOLS LEGEND

- SECTION MARK / SHEET NUMBER
- FRAME EL MARK / SHEET NUMBER
- CONC OVER MTL DECK, SEE GSN ON (S001)
- MTL ROOF DECK, SEE GSN ON (S001)
- ADDITIONAL CONC REINF OF (2) #6 BARS x 12'-0", CTR ON CORNERS, NO SPLICES
- RECESSED SLAB, SEE ARCH PLANS FOR EXACT LOCATION AND RECESS DEPTH. REDUCE THE LENGTH OF THE HEADED STUDS IN THIS AREA BY THE RECESS DEPTH
- CONC WALL, SEE SCHED ON (S601)
- STL COL, SEE SCHED ON (S602)
- MOMENT CONNECTION FOR LATERAL FRAMES, SEE DETS ON (S404)
- MOMENT CONNECTION FOR GRAVITY
- W_x_ or HSS_x_x_ — STL COL, SEE SCHED ON (S602)
- W_x_ — COMPOSITE STL BMS, SEE GSN ON (S001)
- (x) — NUMBER OF HSA FOR SECTION OF COMPOSITE STL BM, SEE GSN ON (S001)
- (cx_") — REQD PRE-CAMBER AT MID-SPAN OF BMS, CAMBER TOLERANCE SHALL BE +1/4", -0"
- RH — 1"Ø ROD HANGER, HUNG FROM FLR FRAMING DOWN TO WIND GIRTS. LOCATE AT THIRD POINTS BTWN GRIDS ALONG GIRT

DEC. 03, 2010
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STRUCTURAL — CHRISTOPHER D. OLSON — 295738 — STATE OF UTAH — SIGNED 12/02/2010

HOLLAND CENTENNIAL COMMONS

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DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

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Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

LEVEL 04 - FLOOR FRAMING PLAN

S141

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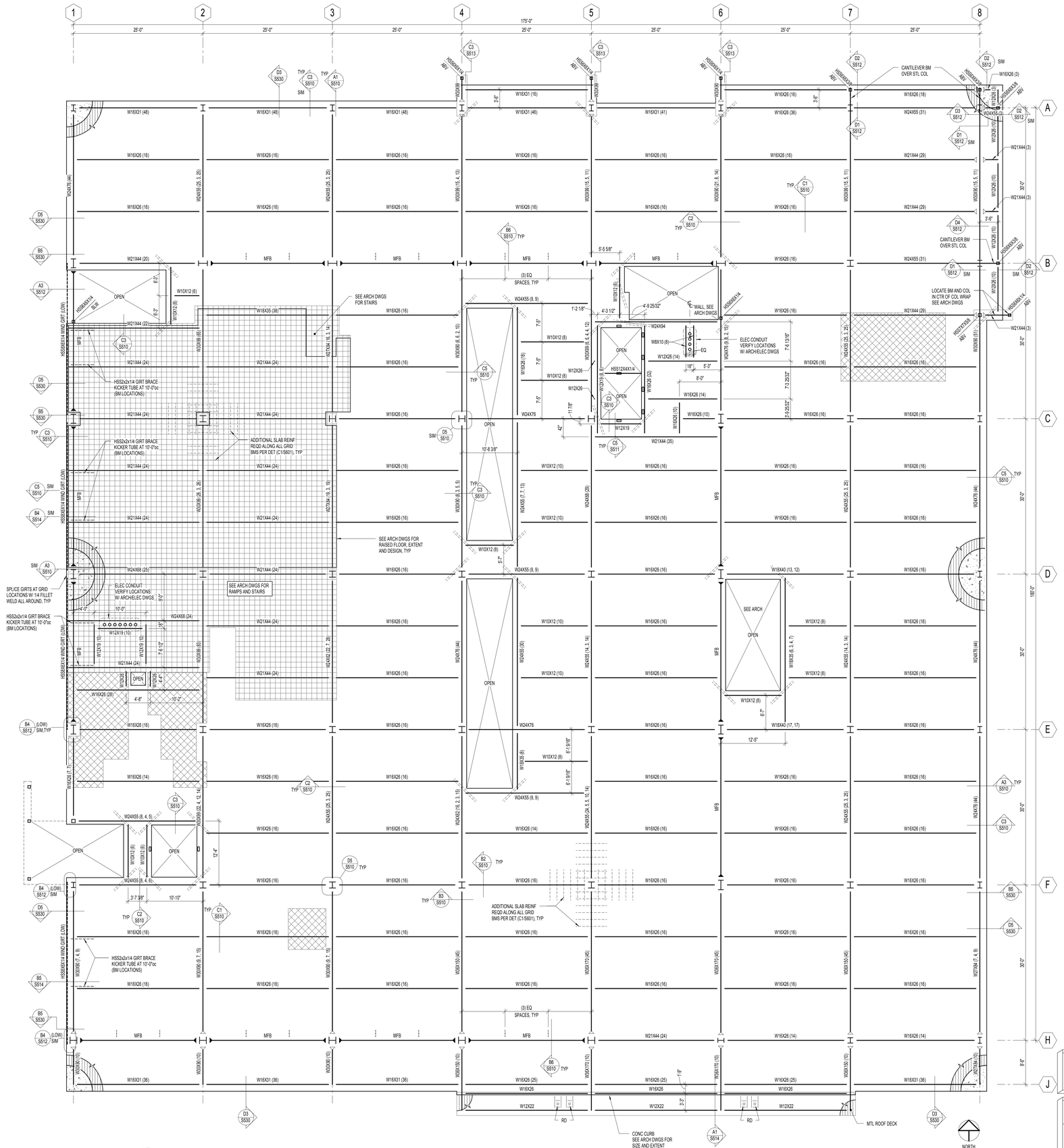

A2 S151 LEVEL 05 - FLOOR FRAMING PLAN
1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:

1. VERIFY WALL FLOOR OPENINGS FOR MECHANICAL SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL DRAWINGS.
2. SEE FLOOR FRAMING DETAILS ON SHEET (S510) FOR FRAMING AROUND MISCELLANEOUS OPENINGS.
3. SEE SHEETS (S401) THRU (S405) FOR FRAME ELEVATIONS, DETAILS AND SCHEDULES.
4. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS TO STEEL COLUMNS AND SLAB EDGES.
5. SEE FOOTING AND FOUNDATION DETAILS ON SHEET (S501) FOR REINFORCING AROUND MISCELLANEOUS OPENINGS IN CONCRETE WALLS.

MARKS & SYMBOLS LEGEND

- SECTION MARK / SHEET NUMBER
- FRAME EL MARK / SHEET NUMBER
- CONC OVER MTL DECK, SEE GSN ON (S001)
- ADDITIONAL CONC REINF OF (2) #6 BARS x 12'-0", CTR ON CORNERS, NO SPLICES
- RECESSED SLAB, SEE ARCH PLANS FOR EXACT LOCATION AND RECESS DEPTH. REDUCE THE LENGTH OF THE HEADED STUDS IN THIS AREA BY THE RECESS DEPTH
- RAISED FLOOR AT DATA CENTER
- CONC WALL, SEE SCHED ON (S601)
- STL COL, SEE SCHED ON (S802)
- MOMENT CONNECTION FOR LATERAL FRAMES, SEE DETS ON (S404)
- MOMENT CONNECTION FOR GRAVITY
- W_x_ or HSS_x_x_ — STL COL, SEE SCHED ON (S602)
- W_x_ — COMPOSITE STL BMS, SEE GSN ON (S001)
- (x) — NUMBER OF HSA FOR SECTION OF COMPOSITE STL BM, SEE GSN ON (S001)
- (c=_") — REQD PRE-CAMBER AT MID-SPAN OF BMS, CAMBER TOLERANCE SHALL BE +1/4", -0"
- RD — ROOF DRAIN, SEE ARCH AND MECH FOR EXACT LOCATION

DEC. 03, 2010
CONFORMED CONSTRUCTION DOCUMENTS BID SET

NOTE:
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Drawn By:	Clayton Coster
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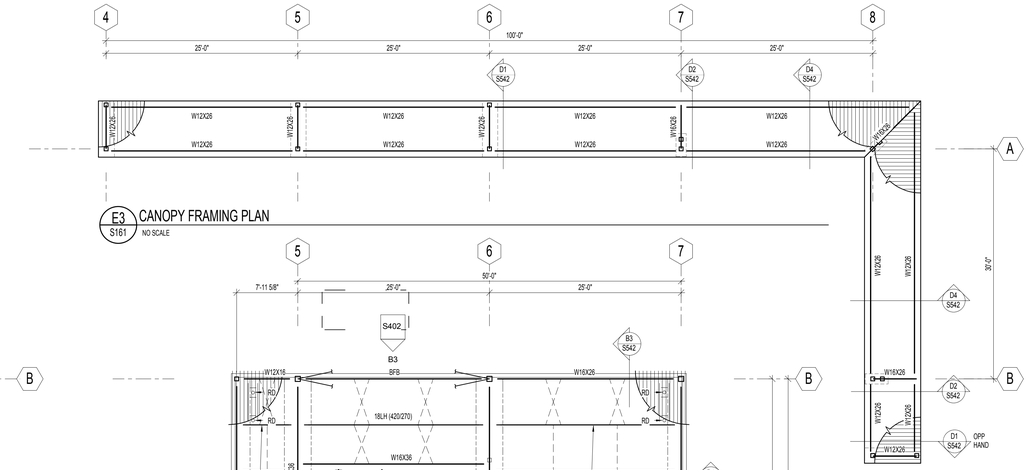
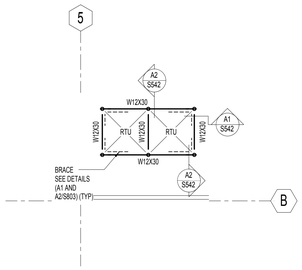
LEVEL 05 - FLOOR FRAMING PLAN

S151

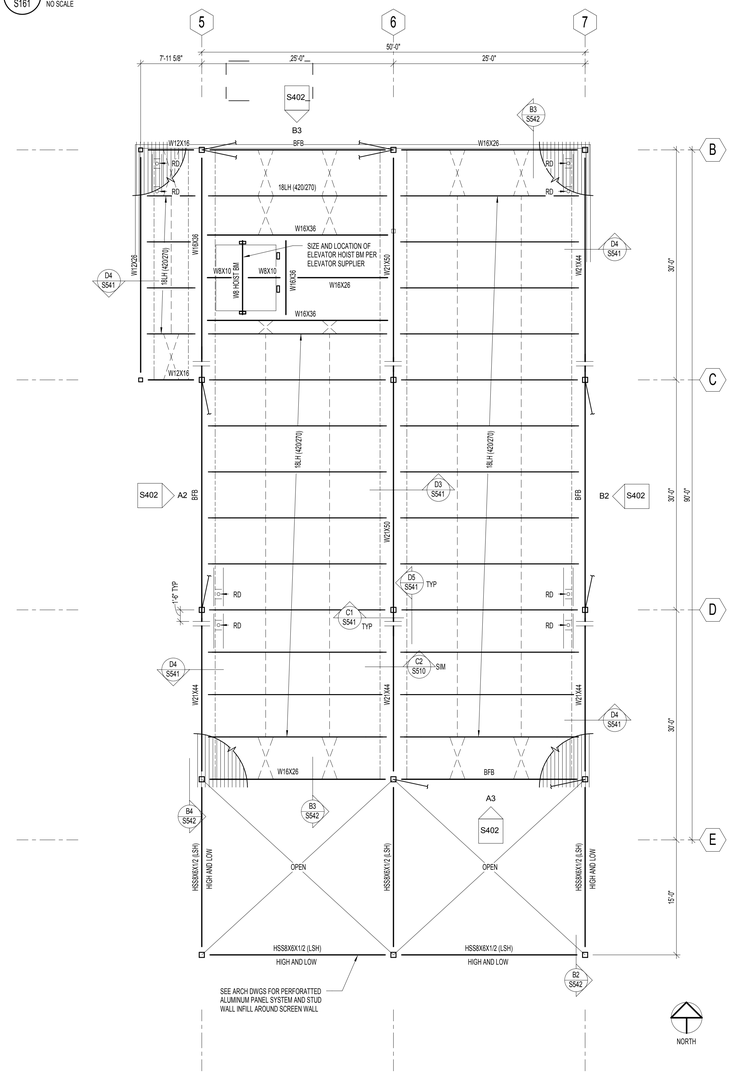
12/2/2010 8:58:07 AM



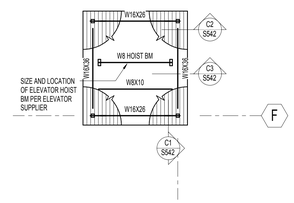
E3 S161 CANOPY FRAMING PLAN
NO SCALE



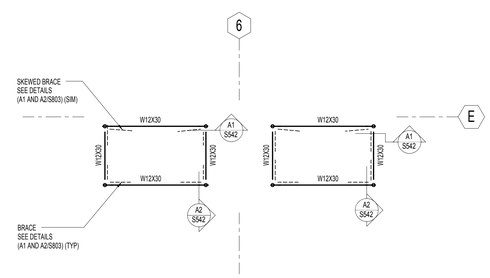
D2 S161 CHILLER SUPPORT FRAMING PLAN
NO SCALE



A3 S161 PENTHOUSE ROOF LEVEL - FRAMING PLAN
1/8" = 1'-0"



C5 S161 ELEVATOR POP-UP ROOF FRAMING PLAN
NO SCALE



A5 S161 COOLING TOWER FRAMING PLAN
NO SCALE

PENTHOUSE ROOF FRAMING PLAN NOTES:

1. VERIFY ROOF SLOPES, DRAINS, AND DECK BEARING ELEVATIONS WITH ARCHITECTURAL DRAWINGS. SEE ROOF FRAMING DETAILS.
2. ALL JOISTS SHALL BE FLUSH FRAMED TO GIRDER BEAMS, UNO.
3. ALL ROOF OPENINGS SHALL BE FRAMED AS INDICATED IN ROOF FRAMING DETAILS ON SHEET (S540).
4. SEE ROOF FRAMING DETAILS ON SHEET (S541) FOR CONCENTRATED LOADS LOCATED FURTHER THAN 6' FROM JOIST/GIRDER PANEL JOINT.
5. SEE ROOF FRAMING DETAILS ON SHEET (S540) FOR MECHANICAL UNITS HUNG BELOW JOISTS.
6. VERIFY SIZE, WEIGHT, AND LOCATION OF ALL ROOF TOP MECHANICAL UNITS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. SEE ROOF FRAMING DETAILS ON SHEET (S540) FOR STEEL FRAMES AT ALL ROOF TOP EQUIPMENT. COORDINATE OPENINGS WITH MECHANICAL, ELECTRICAL, AND GENERAL CONTRACTORS.
7. OPEN WEB STEEL JOISTS SHALL BE DESIGNATED BY THE MANUFACTURER TO SUPPORT THE MECHANICAL AND LATERAL LOADS SHOWN ON THE ROOF FRAMING PLANS IN ADDITION TO THE UNIFORM AND POINT LOADS SHOWN.
8. WHERE SKYLIGHTS OR MECHANICAL UNITS INTERRUPT HORIZONTAL BRIDGING, PROVIDE CROSS BRIDGING AT JOIST SPACES ON EACH SIDE, TYPICAL.
9. WHERE DIAGONAL BRIDGING CONFLICTS WITH MECHANICAL DUCTS, REMOVE DIAGONAL BRIDGING AND REPLACE WITH HORIZONTAL BRIDGING (AFTER ROOF DECK IS IN PLACE).
10. * - INDICATES THAT THESE JOISTS SHALL BE DESIGNED FOR AN ADLOAD OF 200#/# AT ANY TOP CHORD PANEL POINT.
11. JOIST DESIGNER SHALL DESIGN JOISTS AND SUPPLY ADDITIONAL BRIDGING AS REQUIRED FOR 8 PSF NET UPLIFT DUE TO WIND.
12. SEE SHEETS (S401) THRU (S405) FOR MOMENT FRAME ELEVATIONS, DETAILS AND SCHEDULES.
13. SEE ARCHITECTURAL PLANS FOR ALL STEEL COLUMN LOCATIONS (DIMENSIONS).
14. SPRINKLER DESIGNER SHALL COORDINATE THE SPRINKLER DESIGN WITH THE JOIST/GIRDER SHOP DRAWINGS.

MARKS AND SYMBOLS LEGEND

- SECTION MARK / SHEET NUMBER
- FRAME EL MARK / SHEET NUMBER
- MTL ROOF DECK, SEE GSN ON (S001)
- STL COL, SEE SCHED ON (S602)
- HORIZ BRIDG
- X-BRIDG
- HORIZ BRDG REQD FOR UPLIFT. SEE STL JST SUPPLIER FOR REQUIREMENTS
- RD — ROOF DRAIN, SEE ARCH AND MECH FOR EXACT LOCATION

DEC. 03, 2010
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
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Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
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PENTHOUSE ROOF LEVEL AND CANOPY - FRAMING PLAN

S161

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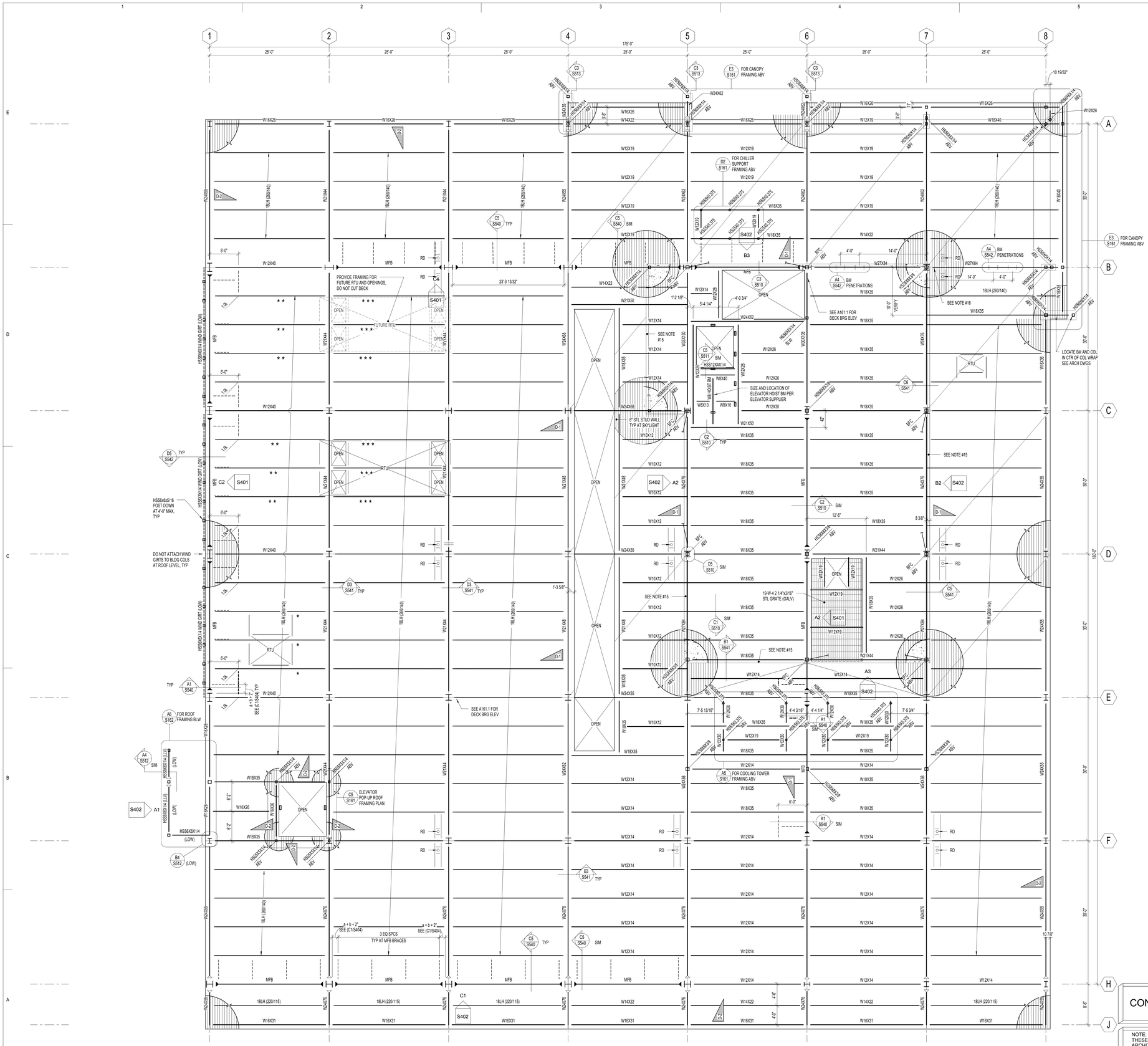


A1 / S162 ROOF LEVEL - FRAMING PLAN
1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

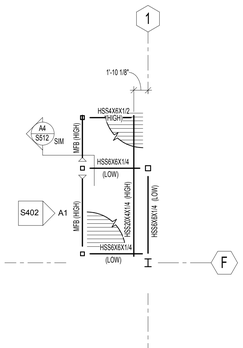
1. VERIFY ROOF SLOPES, DRAINS, AND DECK BEARING ELEVATIONS WITH ARCHITECTURAL DRAWINGS. SEE ROOF FRAMING DETAILS.
2. ALL JOISTS SHALL BE FLUSH FRAMED TO GIRDER BEAMS, UNO.
3. ALL ROOF OPENINGS SHALL BE FRAMED AS INDICATED IN ROOF FRAMING DETAILS ON SHEET (S540).
4. SEE ROOF FRAMING DETAILS ON SHEET (S541) FOR CONCENTRATED LOADS LOCATED FURTHER THAN 6" FROM JOIST/GIRDER PANEL JOINT.
5. SEE ROOF FRAMING DETAILS ON SHEET (S540) FOR MECHANICAL UNITS HUNG BELOW JOISTS.
6. VERIFY SIZE, WEIGHT, AND LOCATION OF ALL ROOF TOP MECHANICAL UNITS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. SEE ROOF FRAMING DETAILS ON SHEET (S540) FOR STEEL FRAMES AT ALL ROOF TOP EQUIPMENT. COORDINATE OPENINGS WITH MECHANICAL, ELECTRICAL, AND GENERAL CONTRACTORS.
7. OPEN WEB STEEL JOISTS SHALL BE DESIGNATED BY THE MANUFACTURER TO SUPPORT THE MECHANICAL AND LATERAL LOADS SHOWN ON THE ROOF FRAMING PLANS IN ADDITION TO THE UNIFORM AND POINT LOADS SHOWN.
8. WHERE SKYLIGHTS OR MECHANICAL UNITS INTERRUPT HORIZONTAL BRIDGING, PROVIDE CROSS BRIDGING AT JOIST SPACES ON EACH SIDE. TYPICAL.
9. WHERE DIAGONAL BRIDGING CONFLICTS WITH MECHANICAL DUCTS, REMOVE DIAGONAL BRIDGING AND REPLACE WITH HORIZONTAL BRIDGING (AFTER ROOF DECK IS IN PLACE).
10. * - INDICATES THAT THESE JOISTS SHALL BE DESIGNED FOR AN ADLOAD OF 200# AT ANY TOP CHORD PANEL POINT.
11. JOIST DESIGNER SHALL DESIGN JOISTS AND SUPPLY ADDITIONAL BRIDGING AS REQUIRED FOR 8 PSF NET UPLIFT DUE TO WIND.
12. SEE SHEETS (S401) THRU (S405) FOR MOMENT FRAME ELEVATIONS, DETAILS AND SCHEDULES.
13. SEE ARCHITECTURAL PLANS FOR ALL STEEL COLUMN LOCATIONS (DIMENSIONS).
14. SPRINKLER DESIGNER SHALL COORDINATE THE SPRINKLER DESIGN WITH THE JOIST/GIRDER SHOP DRAWINGS.
15. PROVIDE A 6" WIDE x 12" TALL CONCRETE CURB WALL. INTEGRATE WITH SLAB. POUR AROUND PENTHOUSE PERIMETER. REINFORCE WITH 1/2"Ø DBA AT 12"oc VERT AND #4 HORIZ T&B. SEE ARCH DWGS.
16. COPE BOTTOM FLANGE OF W27x84 SO THAT IT DOES NOT PENETRATE CEILING. WELD BOTTOM FLANGE OR PL OF EQUAL SIZE AND THICKNESS TO WEB WITH A 5/16" FILLET WELD EACH SIDE.

MARKS AND SYMBOLS LEGEND

- SECTION MARK / SHEET NUMBER
- FRAME EL MARK / SHEET NUMBER
- MTL ROOF DECK, SEE GSN ON (S001)
- CONC OVER MTL ROOF DECK, SEE GSN ON (S001)
- STL COL, SEE SCHED ON (S602)
- MOMENT CONNECTION FOR LATERAL FRAMES, SEE DETS ON (S404)
- MOMENT CONNECTION FOR GRAVITY
- HORIZ BRIDG
- X-BRIDG
- HORIZ BRDG REQD FOR UPLIFT. SEE STL JST SUPPLIER FOR REQUIREMENTS
- RD — ROOF DRAIN, SEE ARCH AND MECH FOR EXACT LOCATION

SNOW DRIFT LOADING DIAGRAM

D-1 MAX = 8.0 PSF, L = 14'-0"
D-2 MAX = 13.0 PSF, L = 6'-0"



A6 / S162 ROOF FRAMING PLAN ABOVE SOUTH WEST STAIR CASE
NO SCALE

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ROOF LEVEL - FRAMING PLAN

S162

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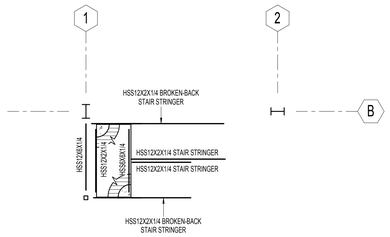
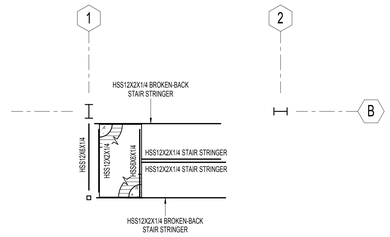


D1 S171 INTERMEDIATE STAIR LANDING PLAN AT NORTH WEST STAIR CASE - BETWEEN LEVEL 02 AND 02M
NO SCALE



D2 S171 INTERMEDIATE STAIR LANDING PLAN AT NORTH WEST STAIR CASE - BETWEEN LEVEL 02M AND 03
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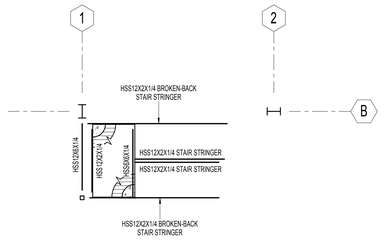
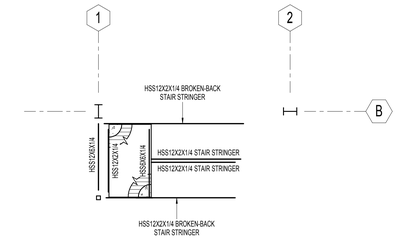


D3 S171 INTERMEDIATE STAIR LANDING PLAN AT NORTH WEST STAIR CASE - BETWEEN LEVEL 03 AND 04
NO SCALE



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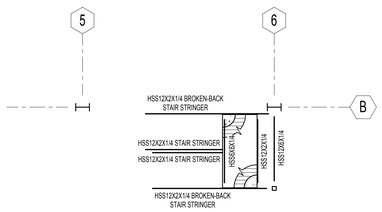
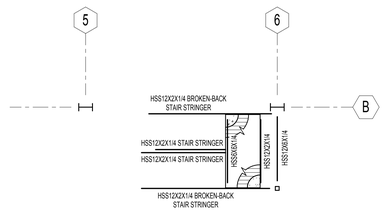
NO SCALE



B1 S171 INTERMEDIATE STAIR LANDING PLAN AT NORTH EAST STAIR CASE - BETWEEN LEVEL 02 AND 02M
NO SCALE



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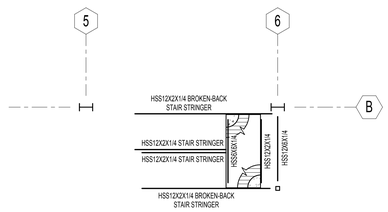

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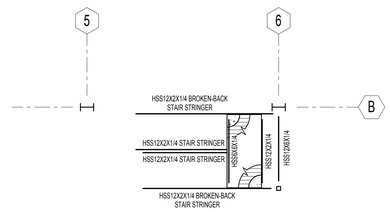

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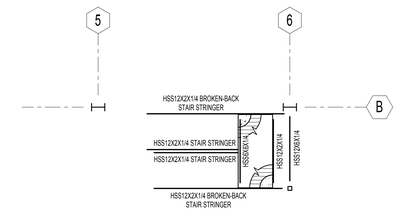
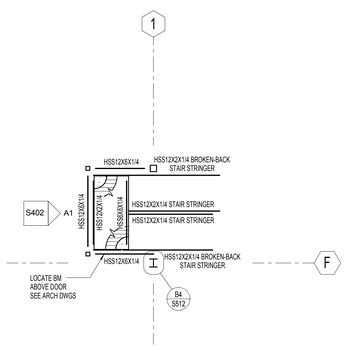
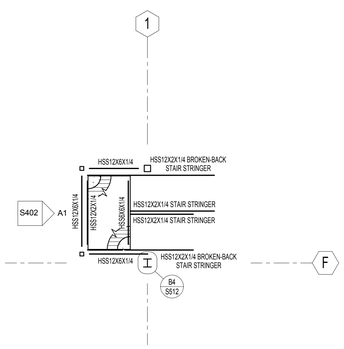
NO SCALE



B5 S171 INTERMEDIATE STAIR LANDING PLAN AT NORTH EAST STAIR CASE - BETWEEN LEVEL 05 AND ROOF
NO SCALE



A1 S171 INTERMEDIATE STAIR LANDING PLAN AT SOUTH WEST STAIR CASE - BETWEEN LEVEL 01 AND 02
NO SCALE



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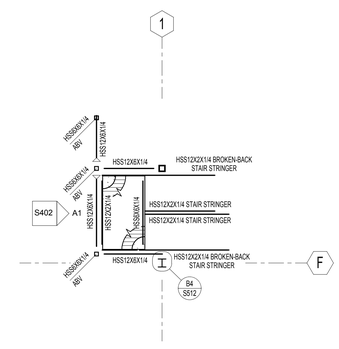

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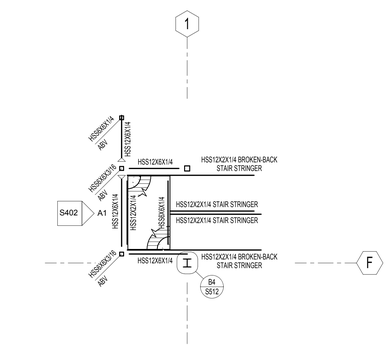

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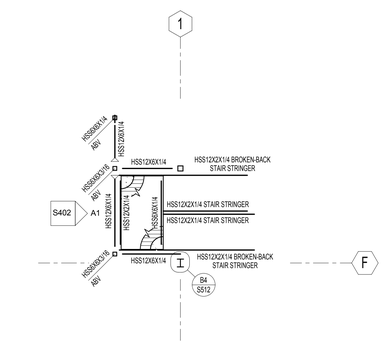

A5 S171 INTERMEDIATE STAIR LANDING PLAN AT SOUTH WEST STAIR CASE - BETWEEN LEVEL 04 AND 05
NO SCALE

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INTERMEDIATE STAIR LANDING FRAMING PLANS

S171

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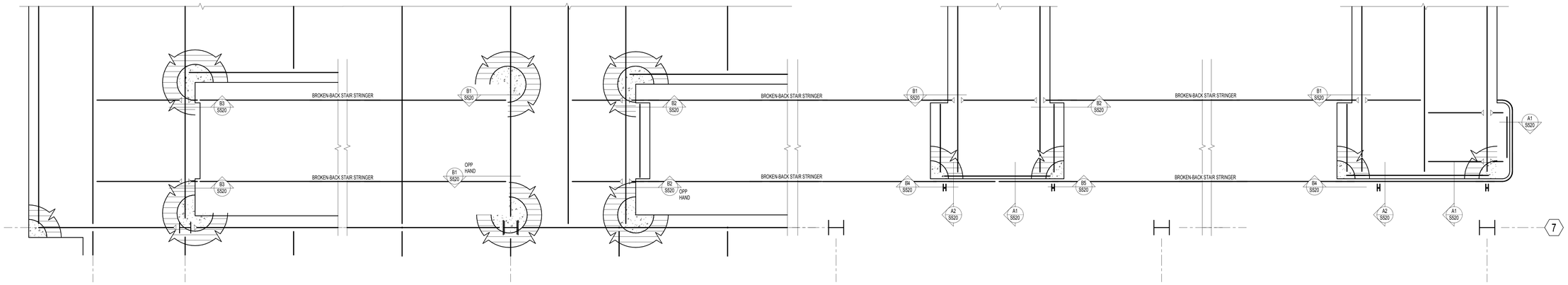
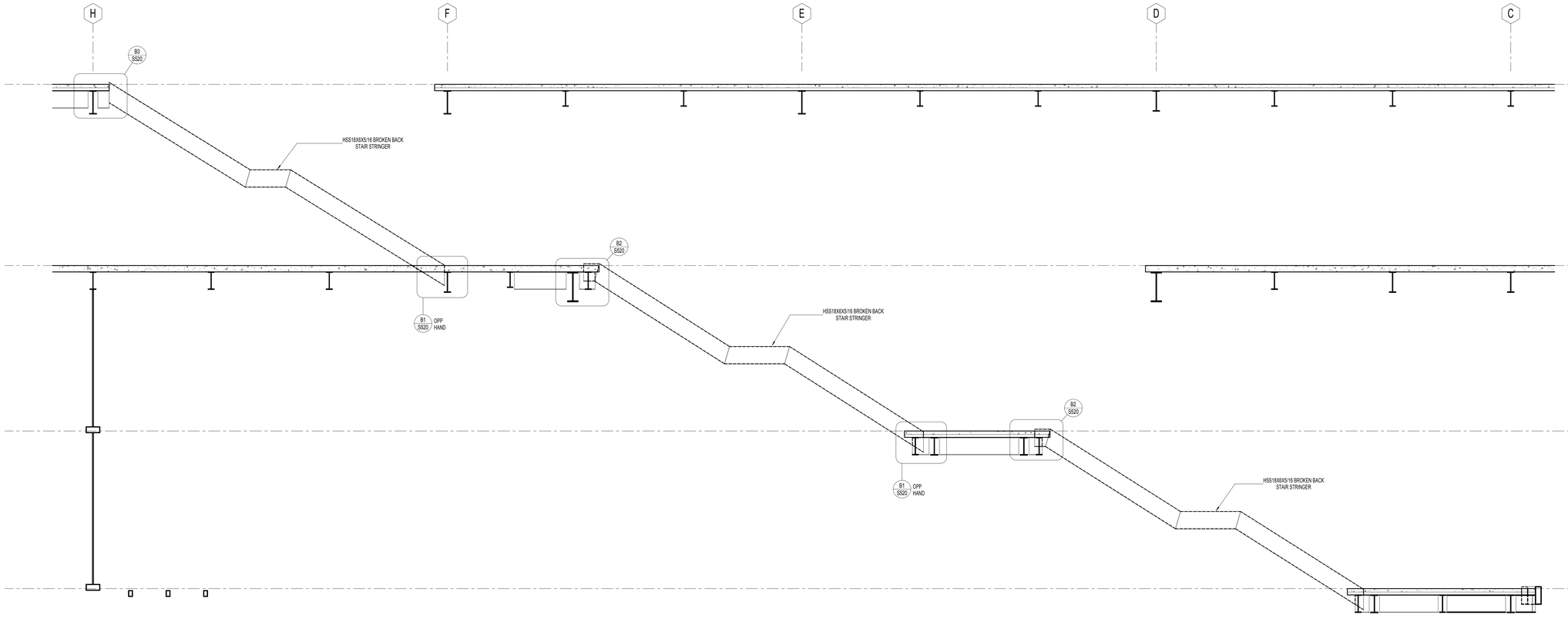


D1 S172 PLAN VIEW OF GRAND STAIR CASE
NO SCALE



A1 S172 SECTION AT GRAND STAIR CASE
NO SCALE

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GRAND STAIR PLANS AND SECTION

S172

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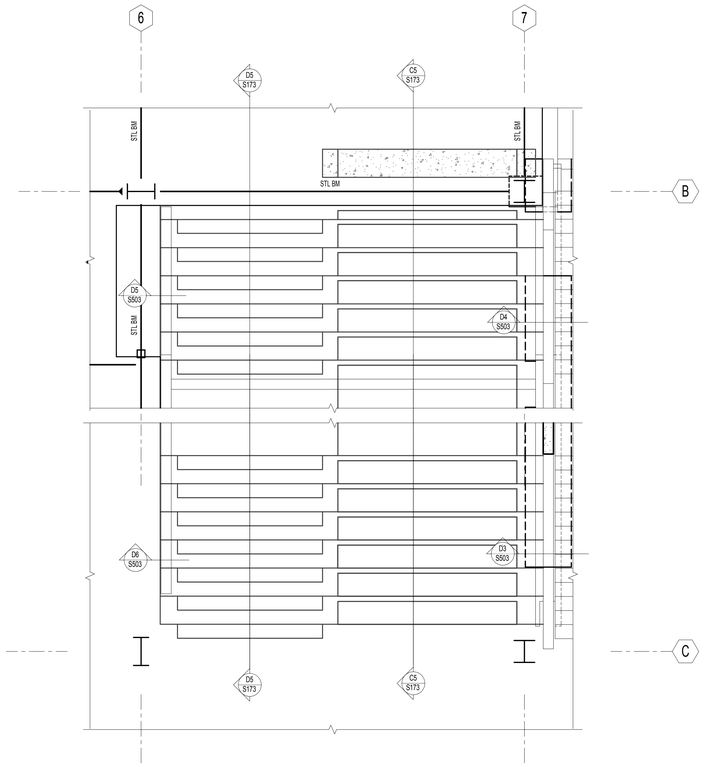

C3 S173 01 SUSPENDED CONC STAIRS-1
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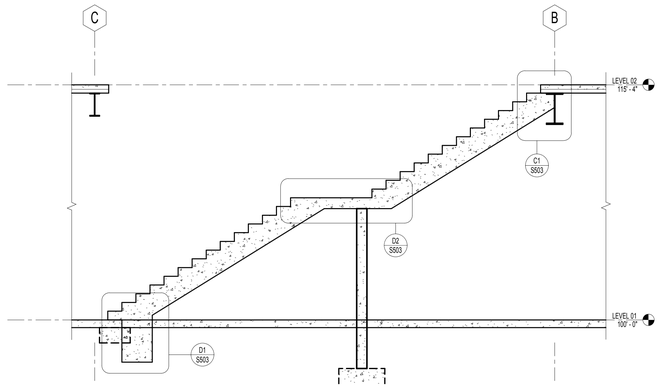

D5 S173 S173-D5
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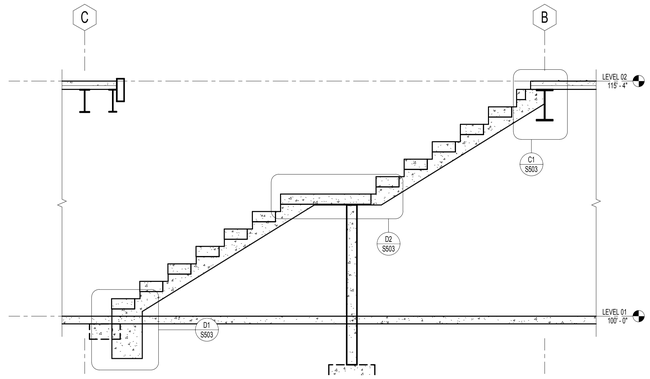

C5 S173 S173-C5
NO SCALE

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AMPHITHEATER PLANS
AND SECTIONS

S173

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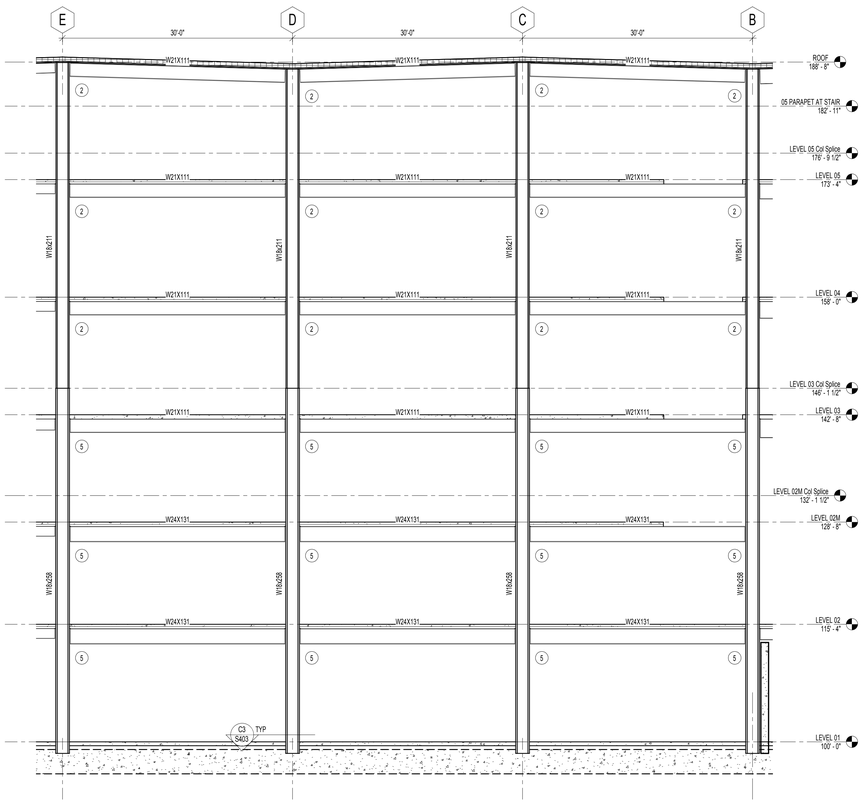
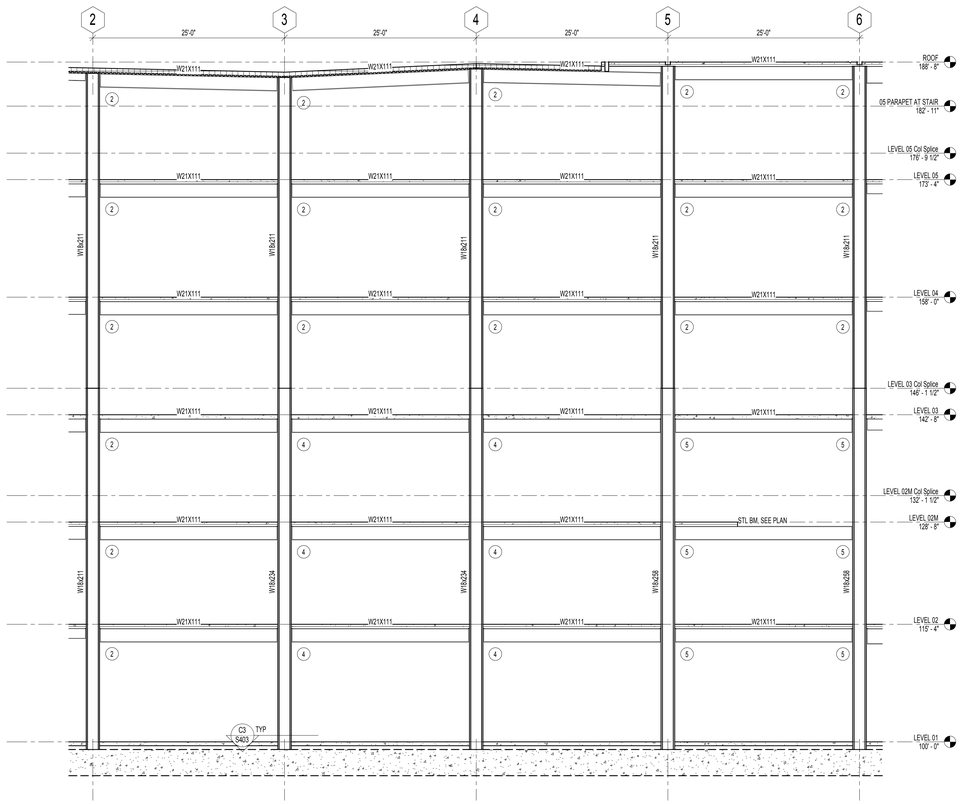


C2 S401 MOMENT FRAME ELEVATION ALONG GRID 1 - (FRAME #1)
1/8" = 1'-0"



C4 S401 MOMENT FRAME ELEVATION ALONG GRID B - (FRAME #2)
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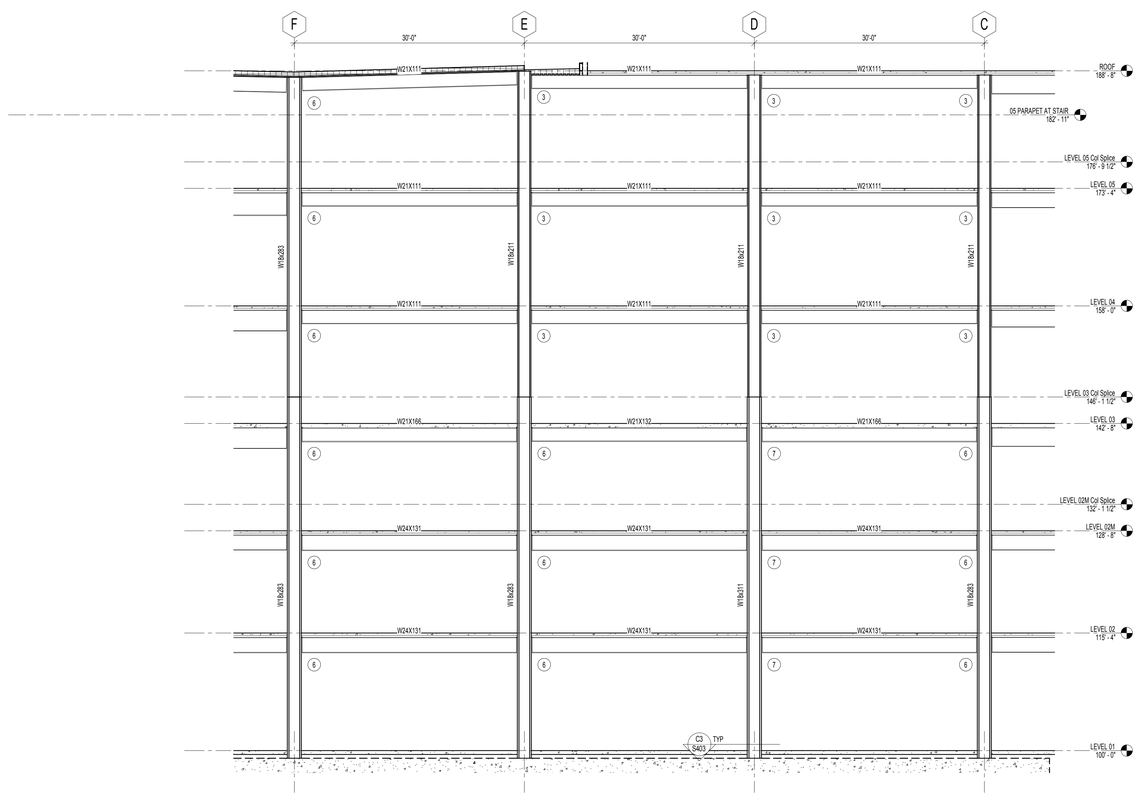

A2 S401 MOMENT FRAME ELEVATION ALONG GRID 6 - (FRAME #3)
1/8" = 1'-0"

MOMENT AND BRACED FRAME ELEVATION NOTES:

1. ALL FRAME BEAMS AT CONCRETE FLOORS TO HAVE 3/4"Ø x 5" HSA AT 12"oc ADDED TO TOP FLANGE BETWEEN PROTECTED ZONES.
2. DO NOT WELD DECK TO BEAM OR ATTACH WLD STUDS TO BEAM FOR PORTION OF BEAM DEFINED AS LINK BEAM SEGMENT. PLACE HEADED STUD ANCHORS AT 12"oc FOR REMAINDER OF BEAM ON BOTH SIDES OF LINK BEAM SEGMENT.

MARKS AND SYMBOL LEGEND

SECTION MARK
SHEET NUMBER

INDICARTES COLUMN JOINT REINFORCING, SEE COLUMN JOINT REINFORCING SCHEDULE ON SHEET (S404)

COMPOSITE STEEL BEAMS, SEE GSN ON SHEET (S001)

LINK BM SEGMENT SEE NOTE 1

GRID GRID

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CONFORMED CONSTRUCTION DOCUMENTS BID SET

NOTE:
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12/02/2010
STATE OF UTAH
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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

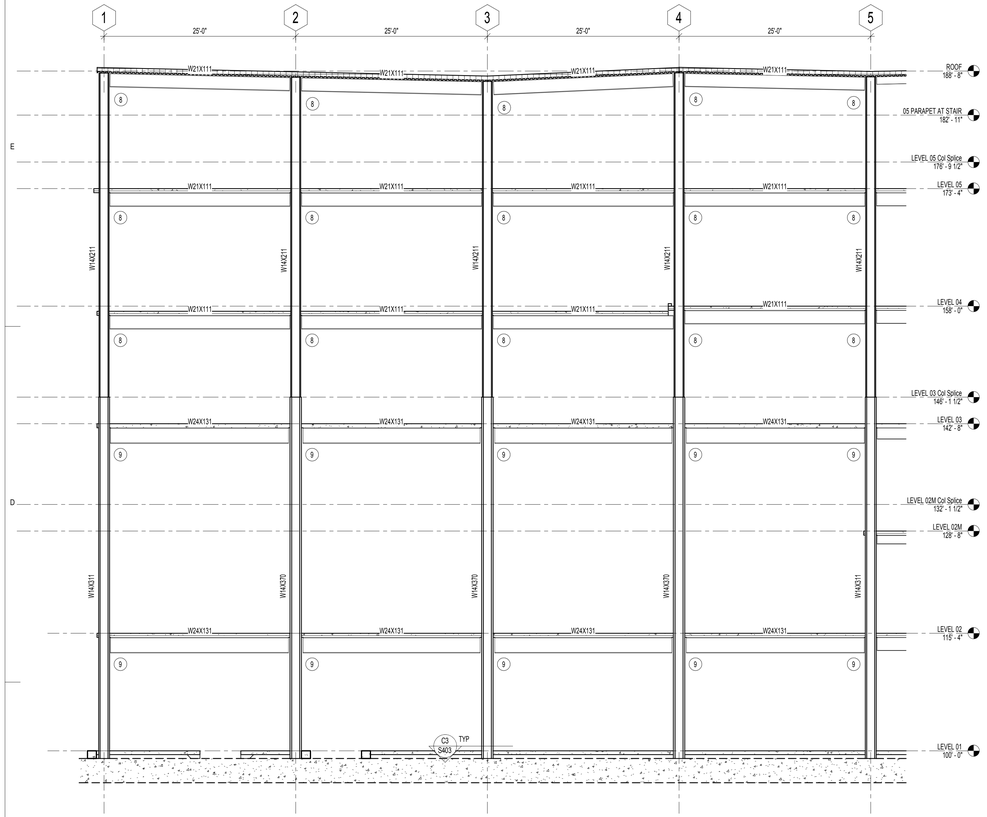
Rev #	Date	Description

Dunn Job #:	10004
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

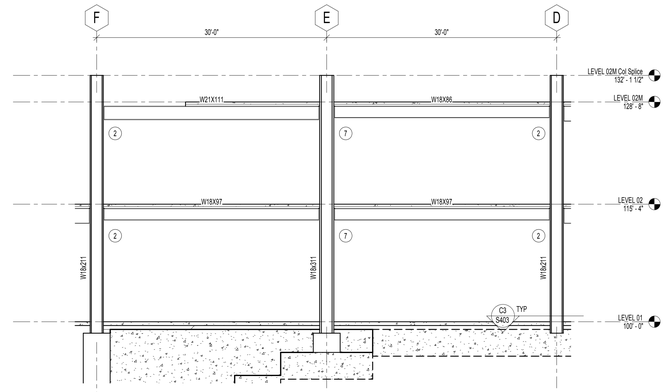
MOMENT FRAME ELEVATIONS

S401

12/2/2010 8:58:17 AM



C1 S402 MOMENT FRAME ELEVATION ALONG GRID H - (FRAME #4)
1/8" = 1'-0"



D3 S402 MOMENT FRAME ELEVATIONS ALONG GRID 2 - (FRAME #5)
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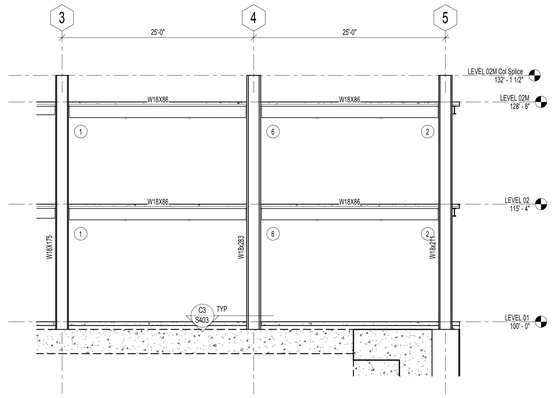

D5 S402 MOMENT FRAME ELEVATION ALONG GRID C - (FRAME #6)
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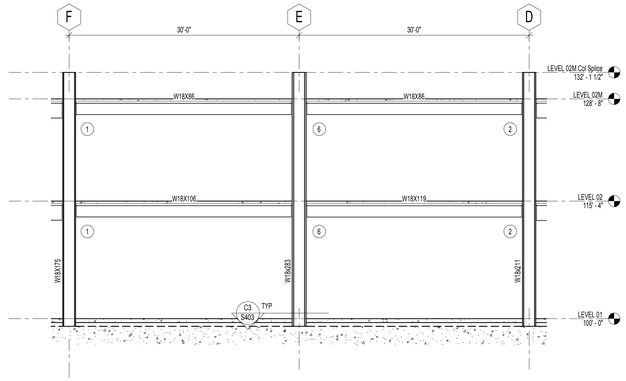
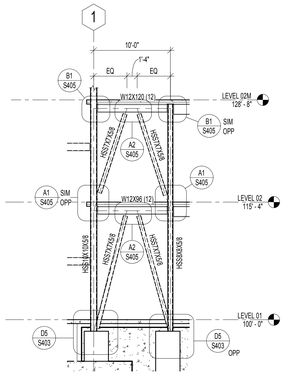
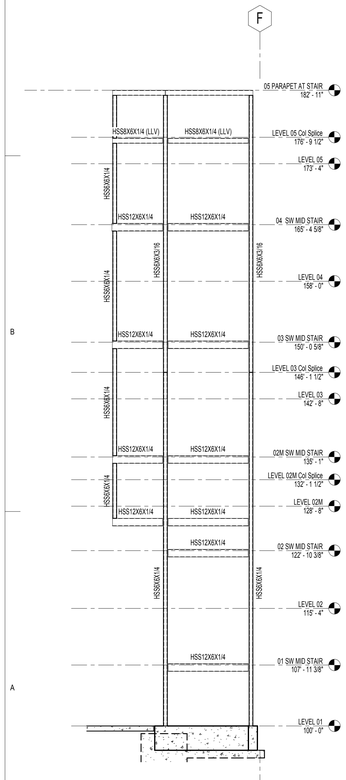


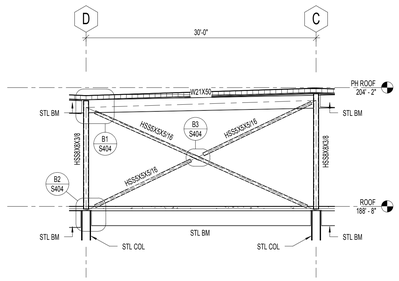
C4 S402 MOMENT FRAME ELEVATIONS ALONG GRID 5 - (FRAME #7)
1/8" = 1'-0"



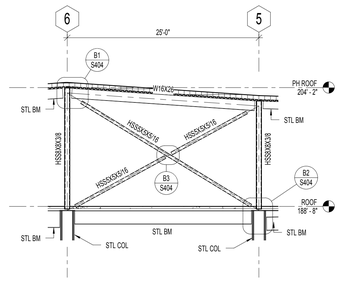
C5 S402 BRACED FRAME ELEVATION ALONG GRID E.6 - (FRAME #8)
1/8" = 1'-0"



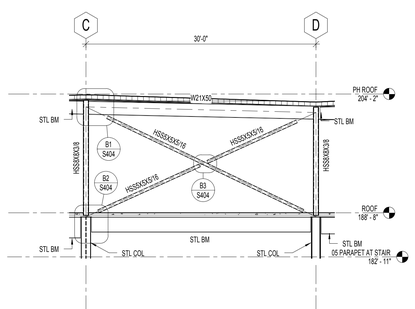
A1 S402 MOMENT FRAME ELEVATION WEST OF GRID A - (FRAME #9)
1/8" = 1'-0"



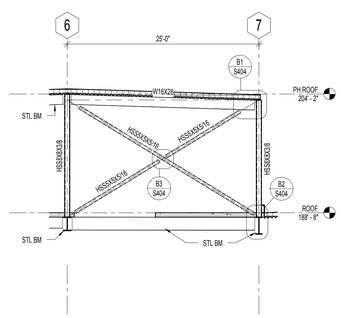
B2 S402 PENTHOUSE BRACED FRAME ELEVATION ON GRID 7 - (FRAME #10)
1/8" = 1'-0"



B3 S402 PENTHOUSE BRACED FRAME ELEVATION ON GRID B - (FRAME #12)
1/8" = 1'-0"



A2 S402 PENTHOUSE BRACED FRAME ELEVATION ON GRID 5 - (FRAME #11)
1/8" = 1'-0"



A3 S402 PENTHOUSE BRACED FRAME ELEVATION ON GRID D.7 - (FRAME #13)
NO SCALE

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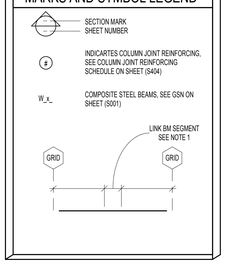
MARKS AND SYMBOL LEGEND



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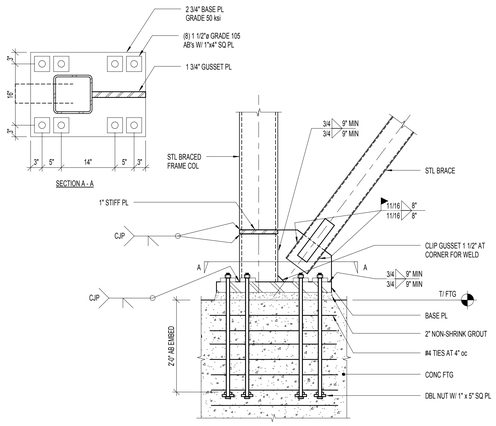
MOMENT FRAME ELEVATIONS

S402

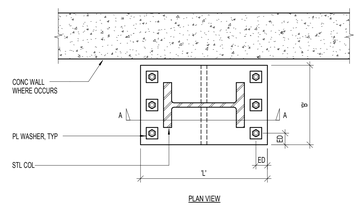
12/2/2010 8:58:20 AM



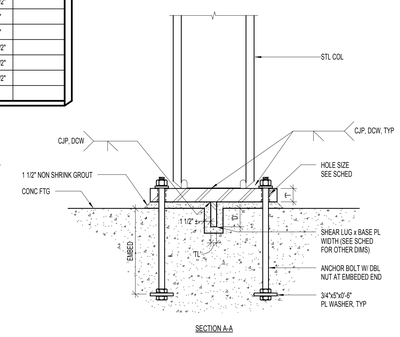
D5 S403 BRACE FRAME BASE PLATE DETAIL
NO SCALE

MOMENT FRAME BASE PLATE SCHEDULE

FRAME ID	BASE PLATE				ANCHOR BOLTS				SHEAR LUG		COMMENTS
	'L' (in)	'B' (in)	'T' (in)	'ED' (in)	AB	EMBED (in)	HOLE (Ø)	PL WASHER	'TL' (in)	'D' (in)	
C2/S401	34"	20"	3"	3"	1 1/2"Ø	16"	2 5/16"	1/2"x3 1/2" SQ	1 1/4"	4"	
C4/S401	38"	20"	4"	3"	1 1/2"Ø	16"	2 5/16"	1/2"x3 1/2" SQ	1 1/2"	4 1/2"	
A2/S401	41"	20"	4 1/2"	4"	2"Ø	22"	3 1/4"	3/4"x5" SQ	1 3/4"	5"	
C1/S402	35"	20"	4"	3"	1 1/2"Ø	16"	2 5/16"	1/2"x3 1/2" SQ	1 1/4"	4"	
D3/S402	34"	26"	3"	3"	1 1/2"Ø	16"	2 5/16"	1/2"x3 1/2" SQ	1"	3 1/2"	
D5/S402	34"	26"	3"	3"	1 1/2"Ø	16"	2 5/16"	1/2"x3 1/2" SQ	1"	3 1/2"	
C4/S402	34"	26"	3"	3"	1 1/2"Ø	16"	2 5/16"	1/2"x3 1/2" SQ	1"	3 1/2"	

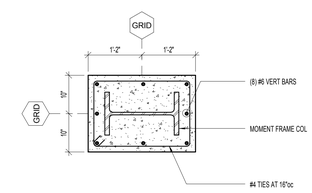


PLAN VIEW



SECTION A-A

C3 S403 TYPICAL MOMENT FRAME BASE PLATE SCHEDULE AND DETAIL
NO SCALE



C5 S403 CONCRETE WRAP AT MOMENT FRAME COLUMN
NO SCALE

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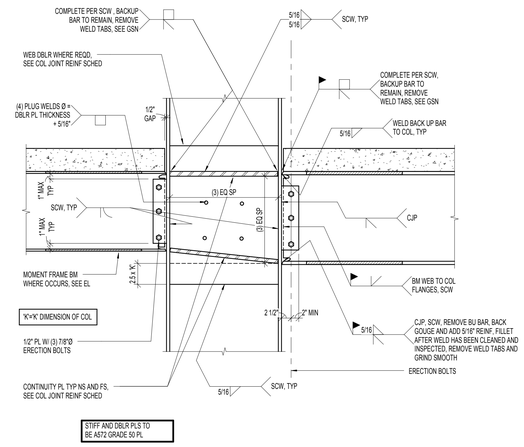
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

MOMENT FRAME DETAILS

S403

12/2/2010 8:58:21 AM

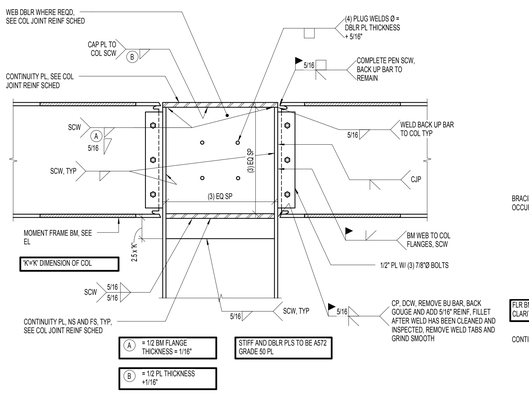


MOMENT CONNECTION WHERE COLUMN CONTINUES UP

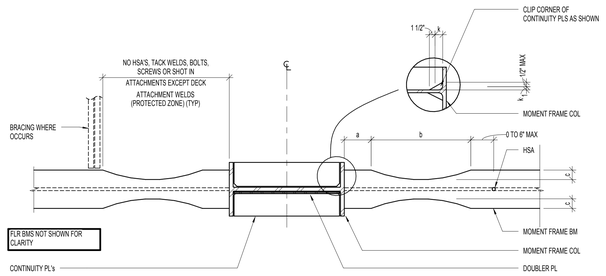
COLUMN JOINT REINFORCING SCHEDULE			
JOINT#	COLUMN	WEB DOUBLER THICKNESS	CONTINUITY PLATE THICKNESS
1	W18X175	1/2"	1"
2	W18x211	1"	1"
3	W18x211	1 1/8"	1"
4	W18x234	1"	1"
5	W18X258	3/4"	1"
6	W18X283	1 1/4"	1"
7	W18x311	1/2"	1"
8	W14x211	1 3/4"	1"
9	W14x311	NONE	1"
10	W14X370	3/4"	1"

REDUCED BEAM SECTION PROPERTIES				
BEAM SIZE	a (IN)	b (IN)	c (IN)	RADIUS (IN)
W18X86	5.55"	12"	1.5"	12.75"
W18x97	5.55"	12.1"	1.5"	12.95"
W18x106	5.6"	12.2"	1.5"	13.15"
W18x119	5.65"	12.35"	1.5"	13.46"
W21x111	6.15"	14"	1.85"	14.17"
W21x132	6.25"	14.15"	1.75"	15.18"
W21x166	6.2"	14.7"	1.75"	16.31"
W24x131	6.5"	16"	1.85"	18.22"

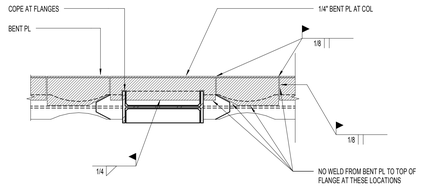
NOTES:
1. COPE TOP AND BOTT BM FLANGES IN CIRCULAR ARC AS SHOWN. CUT EDGE TO BE GROUND SMOOTH W/ GRINDING PARALLEL TO FLANGE. SEE GSN, ALL SHOP DRAWINGS TO CLEARLY NOTE FINISH REQUIREMENTS.
2. CONSTRUCTION SEQUENCE:
   A. SNUG TIGHTEN ERECTION BOLTS.
   B. WELD TOP AND BOTTOM BEAM FLANGES.
   C. WELD BEAM WEB.
3. CUT TOLERANCES ARE AS FOLLOWS:
   A. ± 1/4"



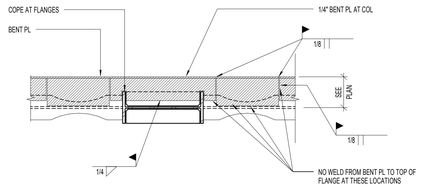
MOMENT CONNECTION AT TOP OF COLUMN



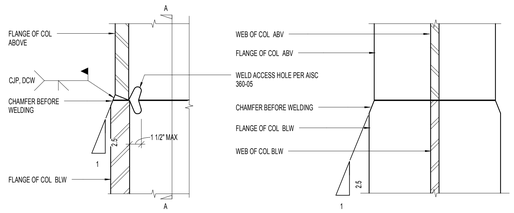
MOMENT CONNECTION SECTIONS



BENT PLATE AT FLOOR

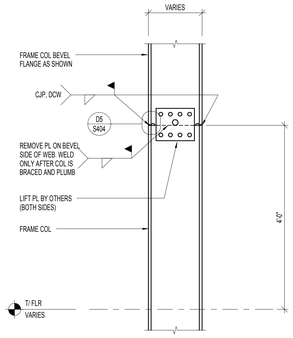


BENT PLATE AT ROOF



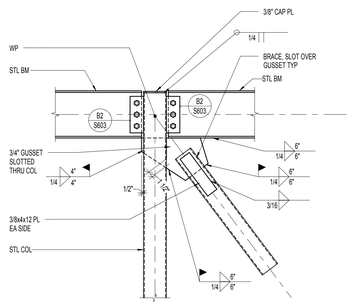
SECTION A-A

D5 S404 TRANSITION DETAIL
NO SCALE

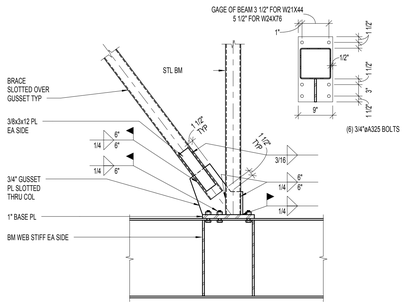


C1 S404 RADIUS CUT REDUCED BEAM SECTION MOMENT CONNECTIONS
NO SCALE

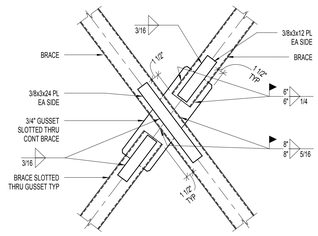
C5 S404 TYPICAL COL SPLICE OF "W" COLS AT MOMENT FRAMES
NO SCALE



B1 S404 BRACED FRAME CONNECTION
NO SCALE



B2 S404 BRACE FRAME CONNECTION
NO SCALE



B3 S404 BRACE FRAME CONNECTION
NO SCALE

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REGISTERED STRUCTURAL ENGINEER CHRISTOPHER D. OLSON 295738 STATE OF UTAH
12/02/2010

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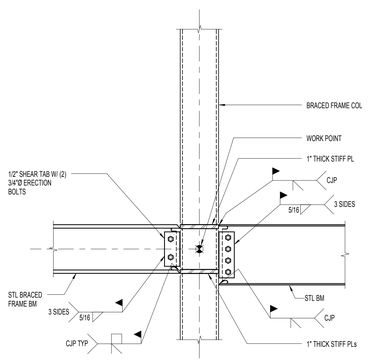
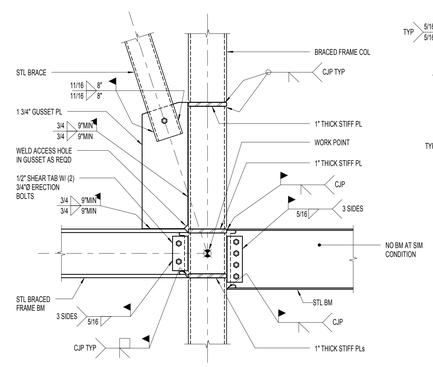
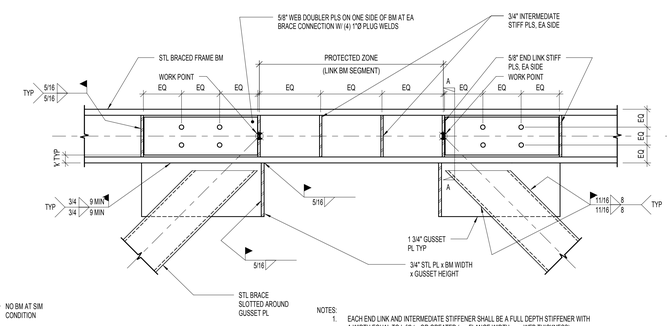


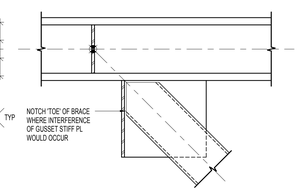
B1 S405 BRACED FRAME DETAIL
NO SCALE



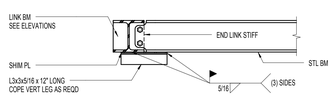
A1 S405 BRACED FRAME DETAIL
NO SCALE



NOTES:
1. EACH END LINK AND INTERMEDIATE STIFFENER SHALL BE A FULL DEPTH STIFFENER WITH A WIDTH EQUAL TO ½ FLANGE OR GREATER (= FLANGE WIDTH. = WEB THICKNESS).
2. SEE DETAILS (1/S404) AND (2/S404) FOR BEAM MOMENT CONNECTION TO COLUMN.
3. WELD LENGTHS INDICATED ARE MINIMUM LENGTHS. WELD FULL LENGTH OF PLATE.
4. DO NOT WELD RETURNS AT BRACE CONNECTIONS.
5. AT BRACE CONNECTION, SLOT LENGTH SHALL NOT EXCEED 3" BEYOND GUSSET PLATE. IF EXCEEDED, WELD A 4" x BRACE THICKNESS PLATE OVER THE SLOT, WITH 1" GAP TO REMAIN

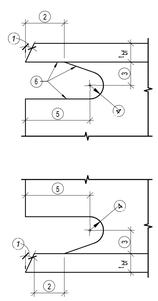


CONTRACTOR'S OPTION



SECTION A - A

A2 S405 LINK BEAM DETAIL
NO SCALE



1. BEVEL AS REQD BY AWS D1.1 FOR SELECTED GROOVE WELD PRODEDURE.
2. LARGER OF 8"OR 1/2 INCH.
3. 3/4 ff TO ff
4. 3/8" MIN RADIUS.
5. 3 ff
6. SEE GSN FOR CUT AND FINISH REQUIREMENTS

A4 S405 WELD ACCESS HOLE DETAIL
NO SCALE

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

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Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

BRACED FRAME SCHEDULES AND DETAILS

S405

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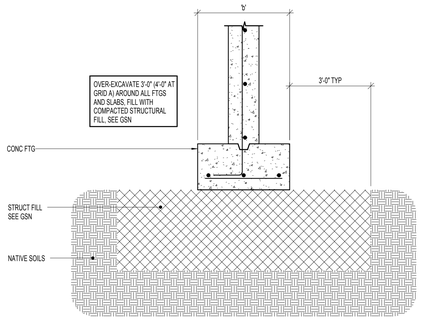
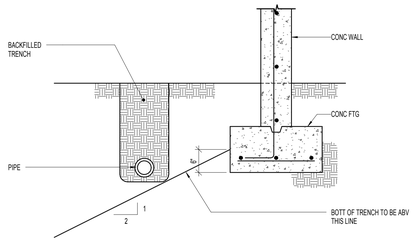
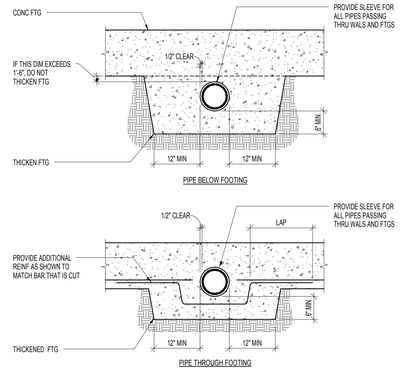


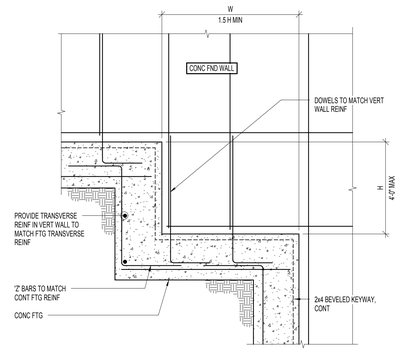
D1 SS01 TYPICAL COMPACTED STRUCTURAL FILL AT FOOTINGS
NO SCALE



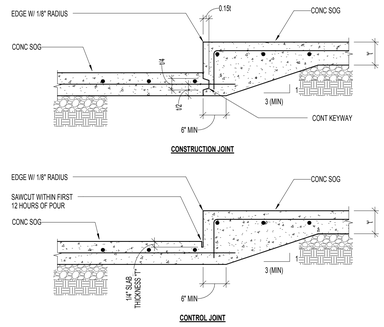
D2 SS01 TYPICAL PIPE PARALLEL TO FOOTING
NO SCALE



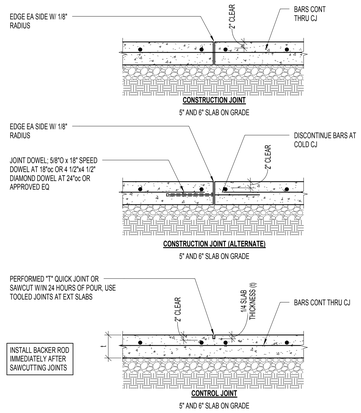
D3 SS01 TYPICAL PIPE PERPENDICULAR TO FOOTING
NO SCALE



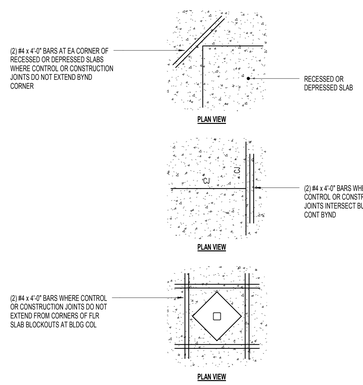
D4 SS01 TYPICAL FOOTING STEP AT CONCRETE FOUNDATION WALL
NO SCALE



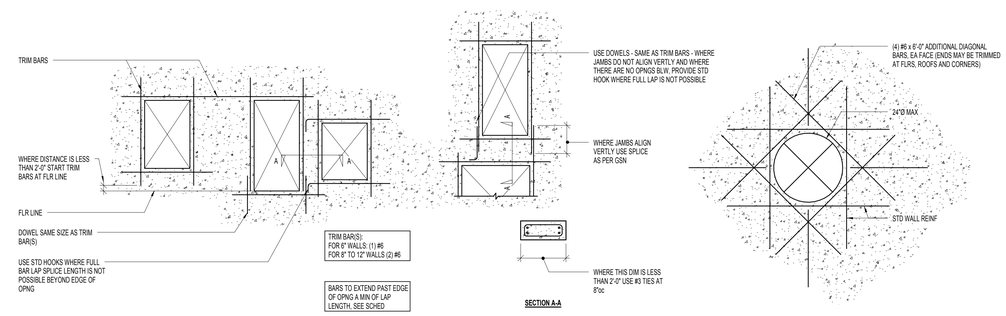
D5 SS01 TYPICAL SLAB DEPRESSION
NO SCALE



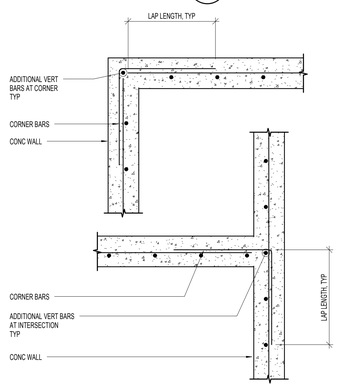
C2 SS01 TYPICAL SLAB ON GRADE JOINT
NO SCALE



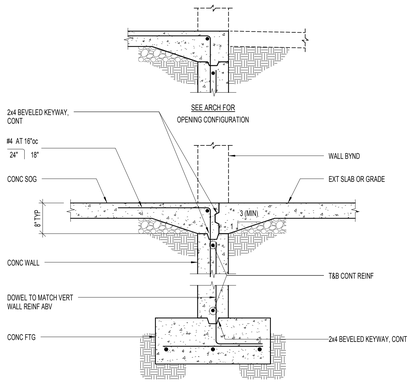
C3 SS01 TYPICAL LOCATIONS REQUIRING ADDITIONAL SLAB REINFORCING STEEL
NO SCALE



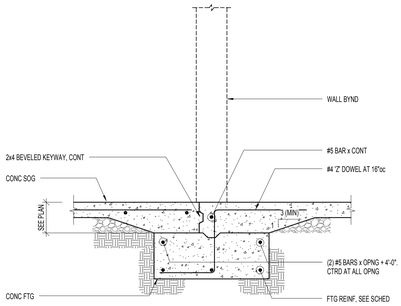
C4 SS01 TYPICAL TRIM BARS AROUND MISCELLANEOUS CONCRETE WALL OPENINGS UNLESS NOTED OTHERWISE
NO SCALE



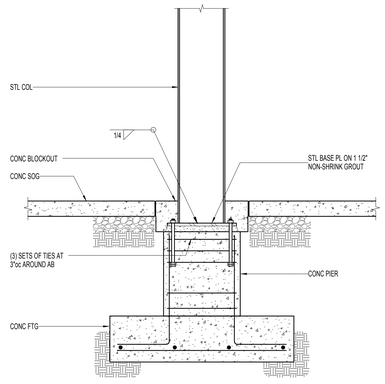
B1 SS01 TYPICAL CORNER WALL REINFORCING FOR SINGLE REINFORCED CONCRETE WALLS (PLAN VIEW)
NO SCALE



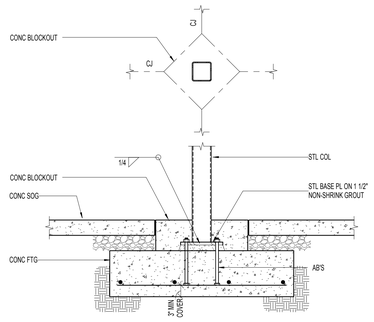
B2 SS01 TYPICAL FOUNDATION WALL AT OPENING DETAIL
NO SCALE



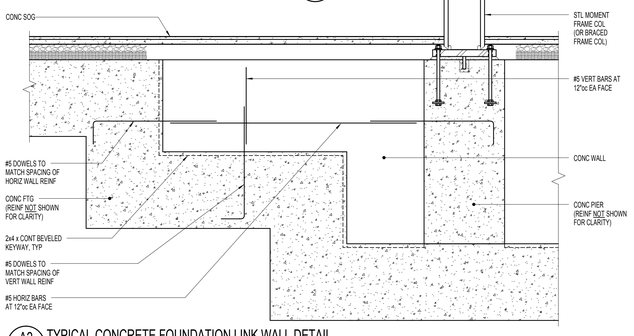
B3 SS01 WALL OPENING DETAIL
NO SCALE



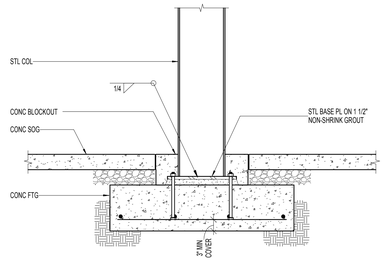
B4 SS01 TYPICAL STEEL COLUMN TO CONCRETE PIER
NO SCALE



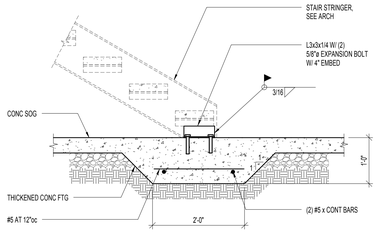
B5 SS01 TYPICAL STEEL COLUMN TO CONCRETE FOOTING
NO SCALE



A2 SS01 TYPICAL CONCRETE FOUNDATION LINK WALL DETAIL
NO SCALE



A3 SS01 TYPICAL STEEL COLUMN TO CONCRETE FOOTING
NO SCALE



A4 SS01 TYPICAL THICKENED SLAB AT BASE OF STAIRS
NO SCALE

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STRUCTURAL CHRISTOPHER D. OLSON 295738 12/02/2010 STATE OF UTAH ENGINEER

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Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
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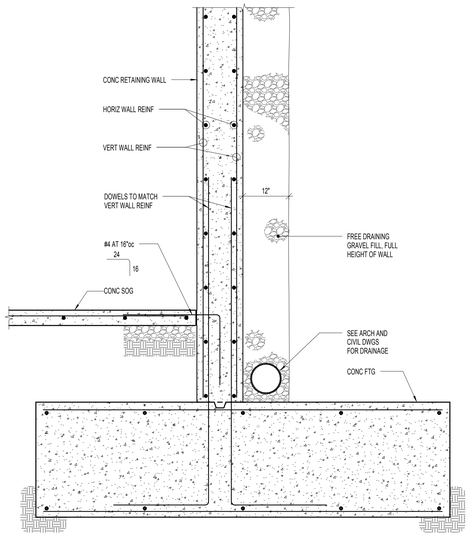
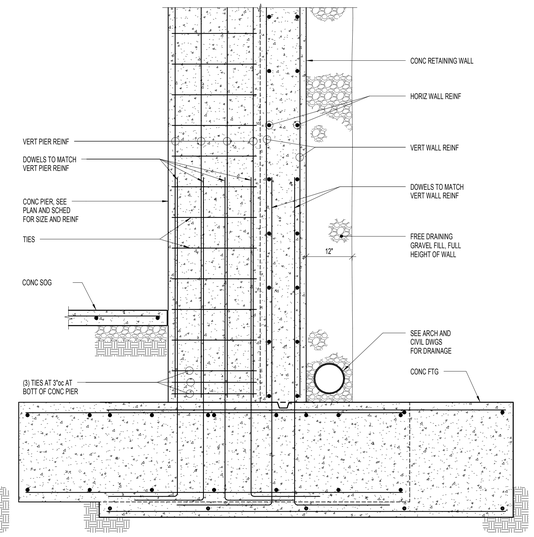
FOOTING AND FOUNDATION DETAILS

S501

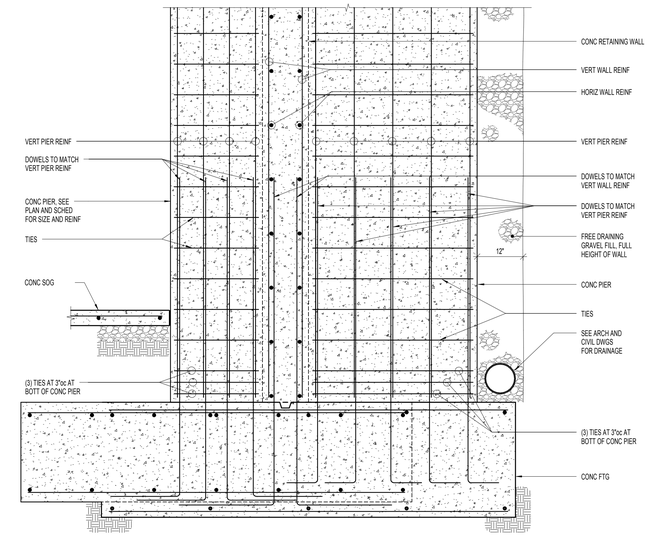
12/2/2010 8:58:25 AM



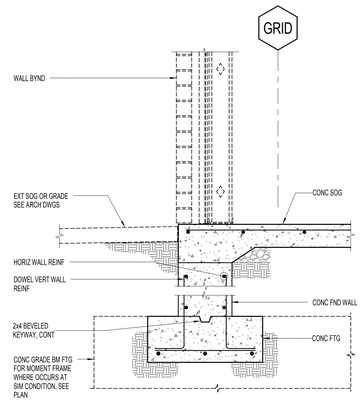
D2 / S502 TYPICAL RETAINING WALL DETAIL
NO SCALE



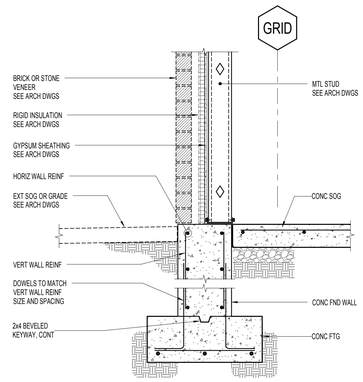
D3 / S502 RETAINING WALL DETAIL AT COLUMN
NO SCALE



D5 / S502 RETAINING WALLS AT NORTH ENTRY COLUMNS
NO SCALE



C3 / S502 FOUNDATION DETAIL AT BUILDING PERIMETER
NO SCALE



C4 / S502 FOUNDATION DETAIL AT BUILDING PERIMETER
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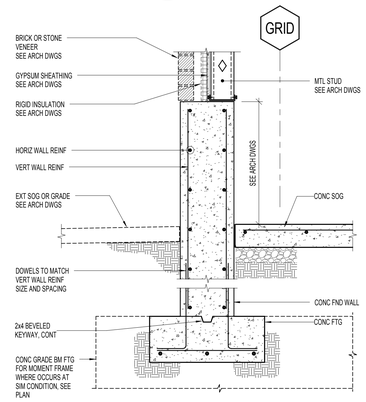

C5 / S502 FOUNDATION DETAIL AT BUILDING PERIMETER
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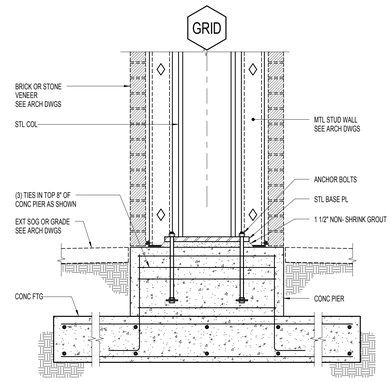
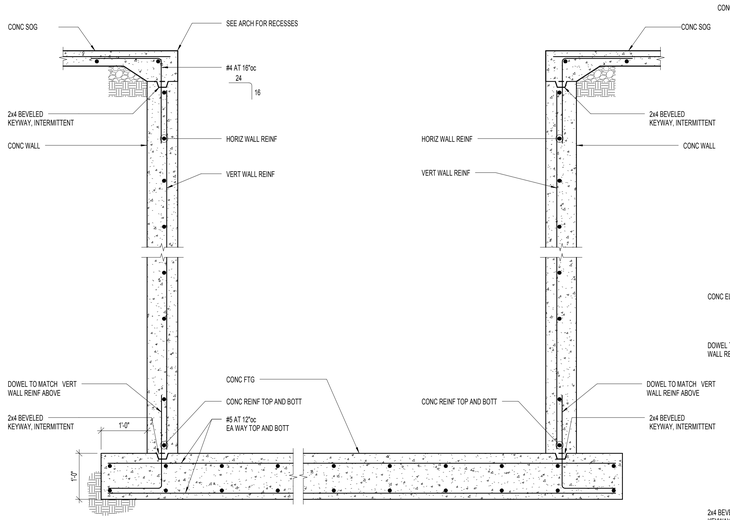
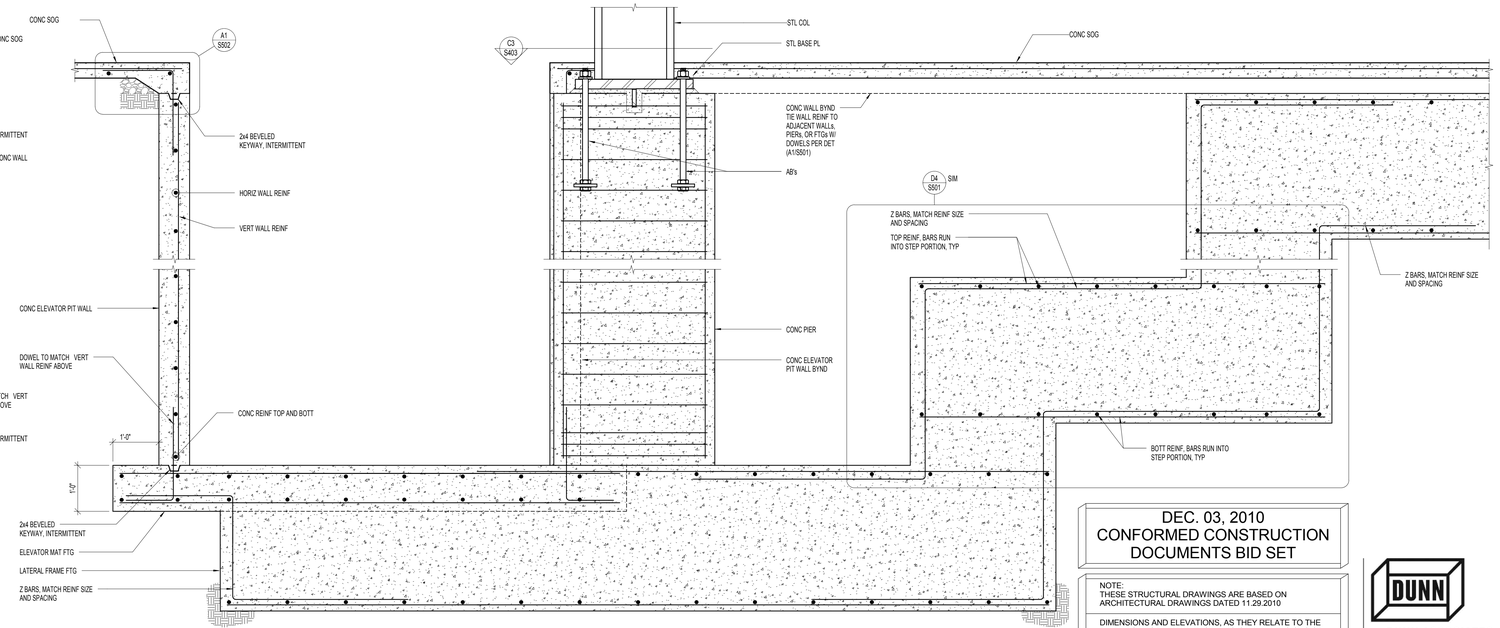


C6 / S502 CONCRETE PIER DETAIL
NO SCALE



A1 / S502 TYPICAL ELEVATOR PIT DETAIL
NO SCALE



A2 / S502 FOOTING STEP AT ELEVATOR PIT
NO SCALE

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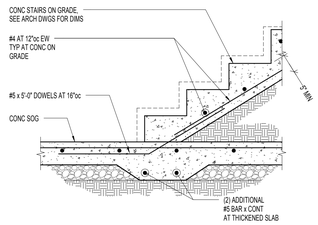
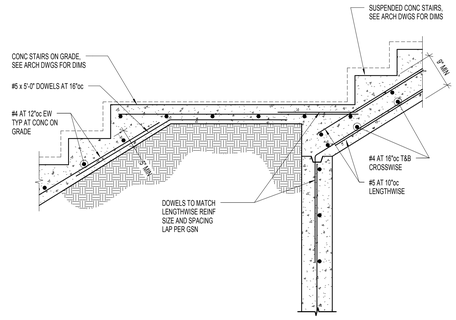
FOOTING AND FOUNDATION DETAILS

S502

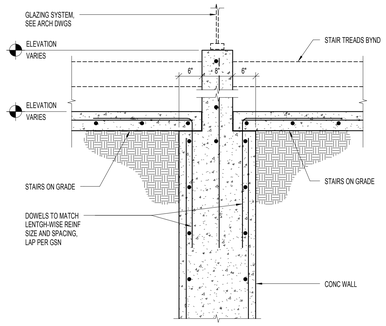
12/2/2010 8:58:26 AM



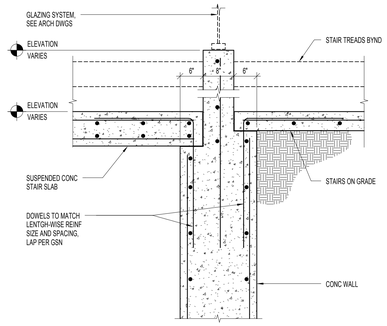
D1 S503 FOOTING AT CONCRETE STAIRS
NO SCALE



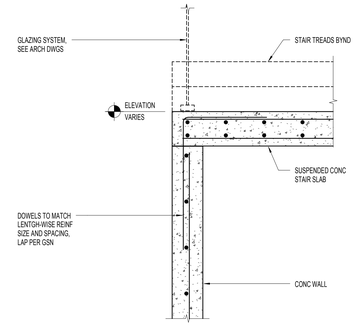
D2 S503 CONCRETE STAIR TO CONRETE WALL DETAIL
NO SCALE



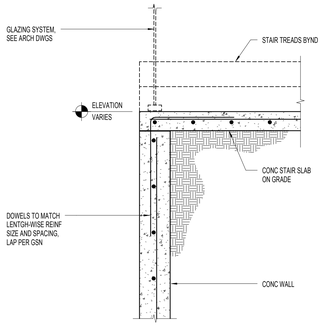
D3 S503 CONCRETE STAIRS ON GRADE TO CONCRETE WALL
NO SCALE



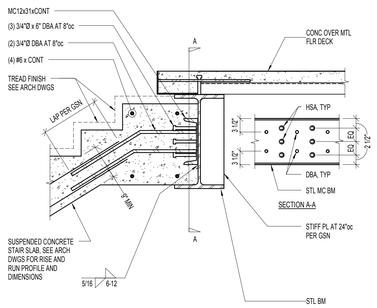
D4 S503 SUSPENDED CONCRETE STAIRS TO CONCRETE WALL
NO SCALE



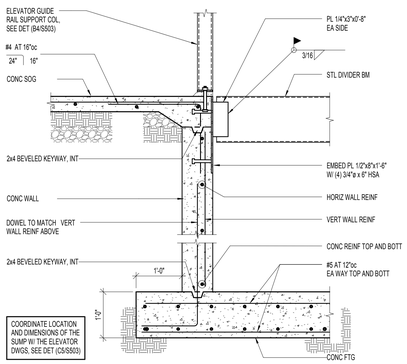
D5 S503 SUSPENDED CONCRETE STAIRS TO CONCRETE WALL
NO SCALE



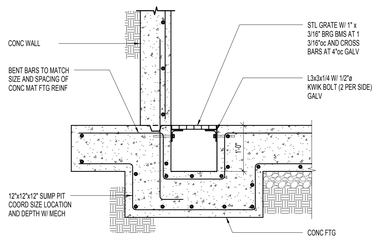
D6 S503 CONCRETE STAIRS ON GRADE TO CONCRETE WALL
NO SCALE



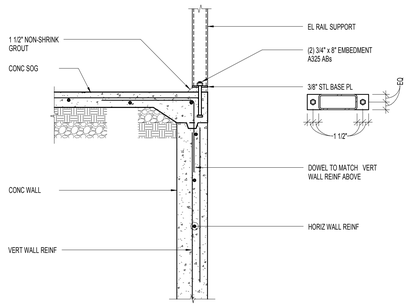
C1 S503 SUSPENDED CONCRETE STAIRS TO STEEL BEAM CONNECTION
NO SCALE



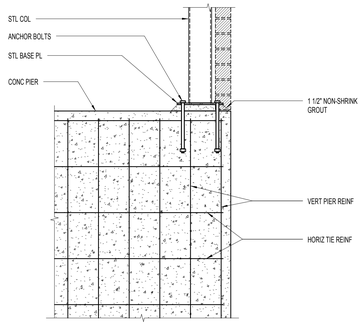
C2 S503 TYPICAL ELEVATOR PIT DETAIL
NO SCALE



C3 S503 SUMP IN ELEVATOR PIT
NO SCALE



C4 S503 TYPICAL ELEVATOR PIT DETAIL
NO SCALE



C5 S503 STEEL COLUMN AT CONCRETE PIER DETAIL
NO SCALE

DEC. 03, 2010
CONFORMED CONSTRUCTION DOCUMENTS BID SET

NOTE:
THESE STRUCTURAL DRAWINGS ARE BASED ON ARCHITECTURAL DRAWINGS DATED 11.29.2010

DIMENSIONS AND ELEVATIONS, AS THEY RELATE TO THE BUILDING IN GENERAL, i.e. GRID TO GRID DIMENSIONS OR DECK BEARING ELEVATIONS, ARE SUPPLIED BY THE ARCHITECT. THEY ARE PROVIDED ON THE STRUCTURAL PLANS AND DETAILS FOR THE CONVENIENCE OF THE CONTRACTOR. VERIFY DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.

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12/02/2010

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

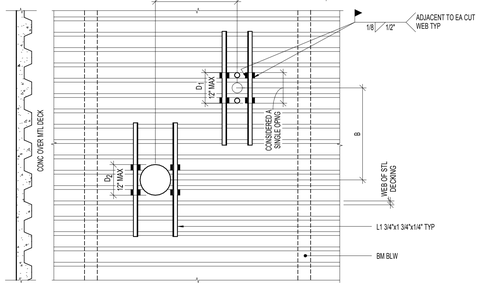
Rev #	Date	Description

Dunn Job #:	10004
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

FOOTING AND FOUNDATION DETAILS

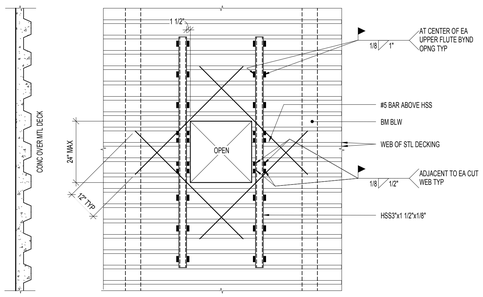
S503

12/2/2010 8:58:28 AM



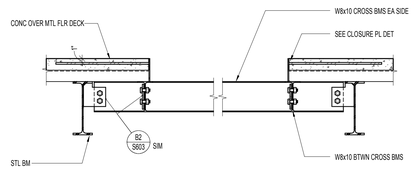
NOTES:
1. THIS DETAIL APPLIES TO HOLES CUTTING NO MORE THAN (2) ADJACENT WEBS FOR 12" MODULE DECK.
2. OPENINGS SHALL BE BLOCKED OUT AND THE DECK LEFT INTACT. AFTER THE CONCRETE HAS CURED, THE DECK IN THE AREA OF THE OPENING CAN BE REMOVED.
3. ANGLES SHALL BE PLACED ON TOP OF THE DECK, ANGLES SHAL EXTEND 3 WEBS PAST THE DECK OPENING (TYP)
   IF DIMENSION A IS >4D 1, 4D 2, OR 32" WHICHEVER IS LARGER, THERE IS NO RESTRICTION ON DIMENSION B
   IF DIMENSION B IS >4D 1, 4D 2, OR 32" WHICHEVER IS LARGER, THERE IS NO RESTRICTION ON DIMENSION A
4. IF DIMENSIONS A AND B ARE <4D 1, 4D 2, OR 32" WHICHEVER IS LARGER, THE OPENING GROUP SHALL BE CONSIDERED AS A SINGLE HOLE, AND SHALL BE REINFORCED AS REQUIRED FOR LARGER OPENING , SEE FOLLOWING DETAIL.
5. INDIVIDUAL HOLES LESS THAN 6" IN DIAMETER AND CUTTING NO MORE THAN ONE WEB DO NOT REQUIRE REINFORCING.

D2 / S510 TYPICAL 12" OR LESS OPENING IN FLOOR SLAB
NO SCALE



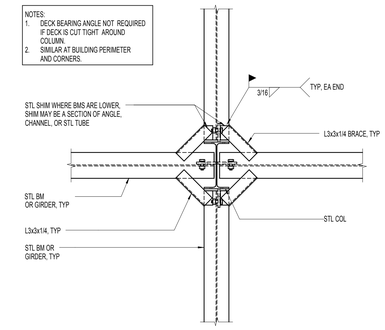
NOTES:
1. THIS DETAIL APPLIES TO OPENING UP TO 24".
2. TUBES SHALL BE PLACED ON TOP OF DECK.
3. THE DECK SHALL NOT BE CUT UNTIL CONCRETE HAS BEEN PLACED AND CURED. AT THE TIME OF POURING, SUITABLE SLEEVES OR BULKHEADS SHALL BE PLACED AROUND THE OPENING.
4. SEE FOLLOWING DETAIL IF OPENING IS GREATER THAN 24".

D3 / S510 TYPICAL 24" OR LESS OPENING IN FLOOR SLAB
NO SCALE

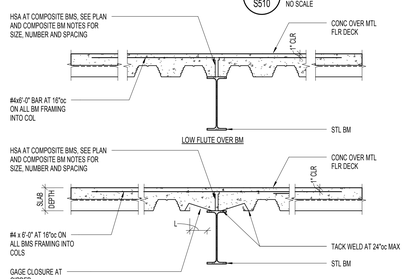


D4 / S510 TYPICAL GREATER THAN 24" FLOOR OPENING DETAIL
NO SCALE

NOTES:
1. DECK BEARING ANGLE NOT REQUIRED IF DECK IS CUT TIGHT AROUND COLUMN.
2. SIMILAR AT BUILDING PERIMETER AND CORNERS.



D5 / S510 TYPICAL DECK BEARING ANGLES AT COLUMNS (WHERE REQUIRED)
NO SCALE



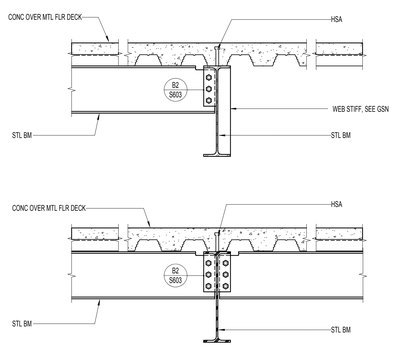
GAGE CLOSURE AT GIRDER

RECOMMENDED GIRDER FILLER THICKNESS

L	METAL GAGE (TYPE)
0" TO 5"	20
5"+ TO 7 1/2"	16
7 1/2"+ TO 9"	14

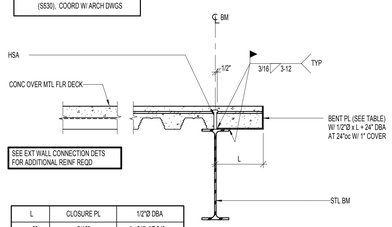
* NOT TO EXCEED 12". ABOVE GAGES ARE BASED ON FLAT MATERIAL WITH NO STRENGTH INCREASE DUE TO ITS SHAPE.

C1 / S510 TYPICAL COMPOSITE BEAM DETAILS
NO SCALE



C2 / S510 TYPICAL STEEL BEAM TO STEEL BEAM CONNECTION DETAILS
NO SCALE

NOTE: FOR GFRC PANEL SUPPORT SEE APPLICABLE DETAIL ON SHEET (S530), COORD W/ ARCH DWGS

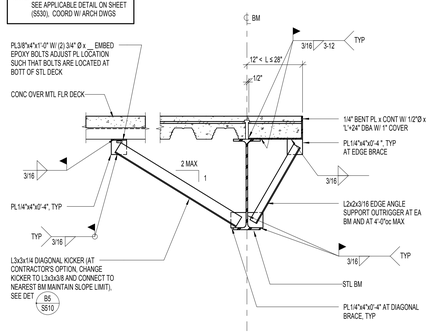


SEE EXT WALL CONNECTION DETS FOR ADDITIONAL REINF REQD

L	CLOSURE PL	1/2"Ø DBA
< 6"	3/16"	(L+24") AT 24"oc
6" ≤ 10"	1/4"	(L+24") AT 18"oc
10" ≤ 12"	5/16"	(L+36") AT 12"oc
> 12"	SEE FOLLOWING DET	

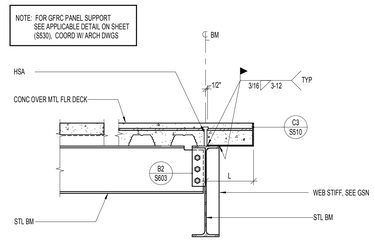
C3 / S510 TYPICAL CLOSURE PLATE (OVERHANG L ≤ 12")
NO SCALE

NOTE: FOR GFRC PANEL SUPPORT SEE APPLICABLE DETAIL ON SHEET (S530), COORD W/ ARCH DWGS



C4 / S510 TYPICAL CLOSER PLATE (OVERHANG 12" < L ≤ 28")
NO SCALE

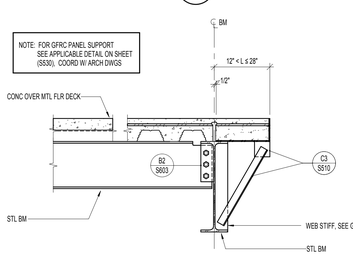
NOTE: FOR GFRC PANEL SUPPORT SEE APPLICABLE DETAIL ON SHEET (S530), COORD W/ ARCH DWGS



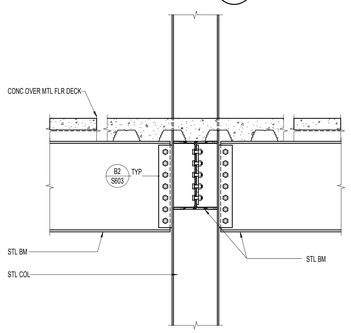
NOTE: FOR SLAB EDGE OVERHANG GREATER THAN 12", SEE DET (B1/S601)

C5 / S510 TYPICAL SLAB EDGE CONDITION AT BEAM (OVERHANG L ≤ 12")
NO SCALE

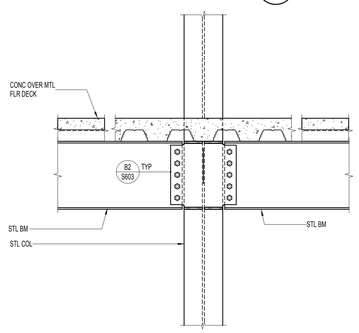
NOTE: FOR GFRC PANEL SUPPORT SEE APPLICABLE DETAIL ON SHEET (S530), COORD W/ ARCH DWGS



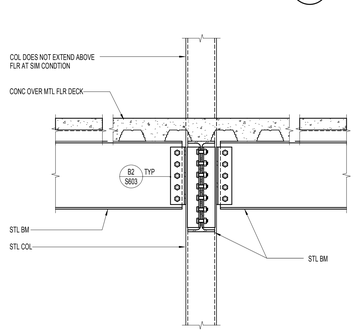
B1 / S510 TYPICAL SLAB EDGE CONDITION AT BEAM (OVERHANG 12" < L ≤ 28"
NO SCALE



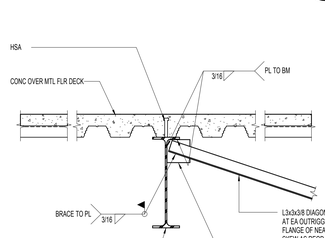
B2 / S510 TYPICAL BOLTED CONNECTION TO STEEL COLUMN FLANGE
NO SCALE



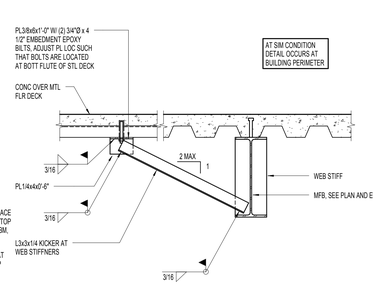
B3 / S510 TYPICAL BOLTED CONNECTION TO STEEL COLUMN WEB
NO SCALE



B4 / S510 TYPICAL BOLTED CONNECTION TO TUBE COLUMN
NO SCALE

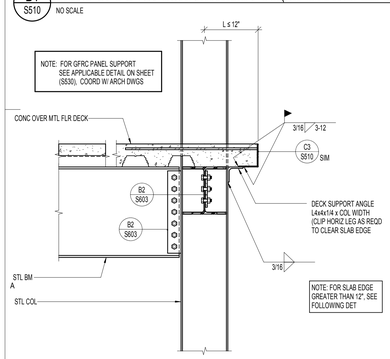


B5 / S510 TYPICAL KICKER CONNECTION DETAIL AT STEEL BEAM
NO SCALE



B6 / S510 BRACE AT MOMENT FRAME FLOOR BEAM
NO SCALE

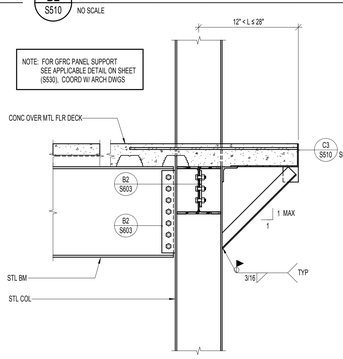
NOTE: FOR GFRC PANEL SUPPORT SEE APPLICABLE DETAIL ON SHEET (S530), COORD W/ ARCH DWGS



NOTE: FOR SLAB EDGE GREATER THAN 12", SEE FOLLOWING DET

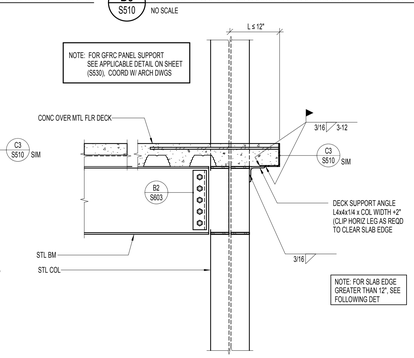
A1 / S510 TYPICAL SLAB EDGE AT STEEL COLUMN FLANGE (OVERHANG L ≤ 12")
NO SCALE

NOTE: FOR GFRC PANEL SUPPORT SEE APPLICABLE DETAIL ON SHEET (S530), COORD W/ ARCH DWGS



A2 / S510 TYPICAL SLAB EDGE AT STEEL COLUMN FLANGE (OVERHANG 12" < L ≤ 28")
NO SCALE

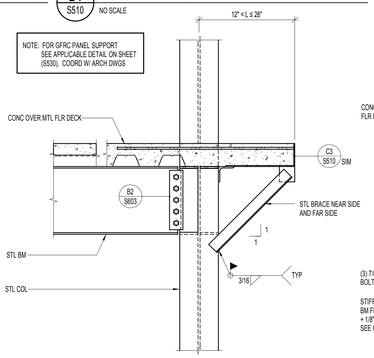
NOTE: FOR GFRC PANEL SUPPORT SEE APPLICABLE DETAIL ON SHEET (S530), COORD W/ ARCH DWGS



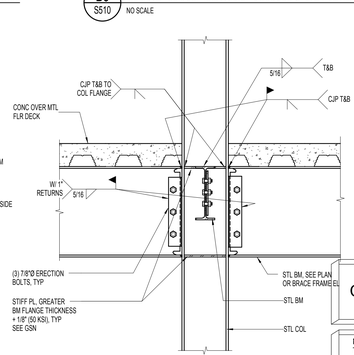
NOTE: FOR SLAB EDGE GREATER THAN 12", SEE FOLLOWING DET

A3 / S510 TYPICAL SLAB EDGE AT STEEL COLUMN WEB (OVERHANG L ≤ 12")
NO SCALE

NOTE: FOR GFRC PANEL SUPPORT SEE APPLICABLE DETAIL ON SHEET (S530), COORD W/ ARCH DWGS



A4 / S510 TYPICAL SLAB EDGE AT STEEL COLUMN WEB (OVERHANG 12" < L ≤ 28")
NO SCALE



A5 / S510 CANTILEVERED BEAM CONNECTION AT COLUMN
NO SCALE

DEC. 03, 2010
CONFORMED CONSTRUCTION DOCUMENTS BID SET

NOTE:
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STRUCTURAL CHRISTOPHER R. OLSON 295738 12/02/2010 STATE OF UTAH REGISTERED PROFESSIONAL ENGINEER

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Dunn Job #: 10004
Design By: Dunn Associates
Reviewed By: Chris Olson
Drawn By: Clayton Coster
Owner #: DFCM #06297640
Date: DEC. 03, 2010

FLOOR FRAMING DETAILS

S510

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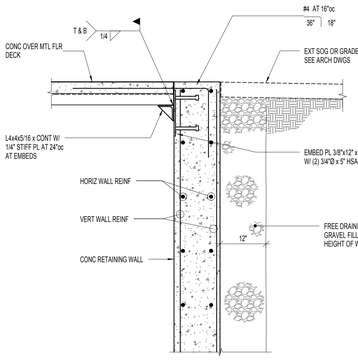
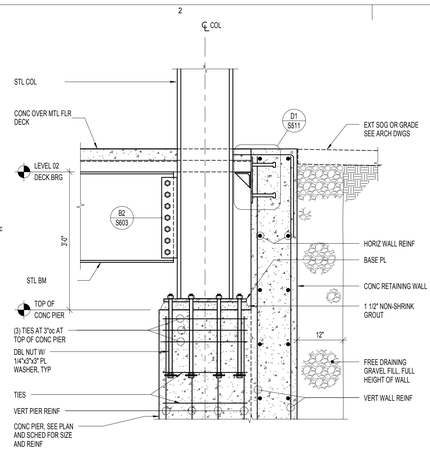
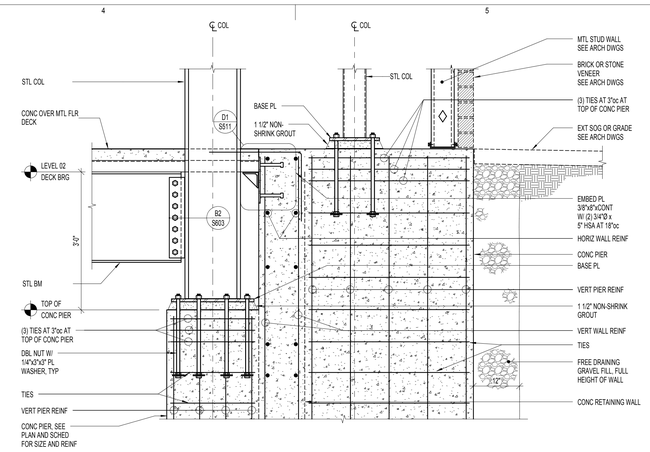


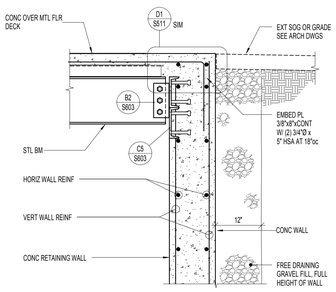
D1 S511 TYPICAL DECK TO RETAINING WALL DETAIL
NO SCALE



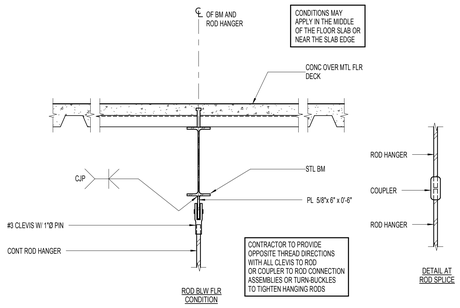
D2 S511 DECK TO RETAINING WALL DETAIL AT COLUMN
NO SCALE



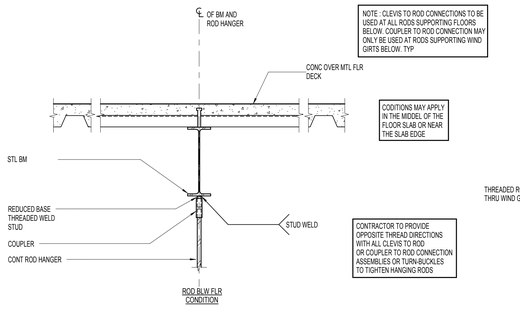
D4 S511 RETAINING WALLS AT NORTH ENTRY COLUMNS
NO SCALE



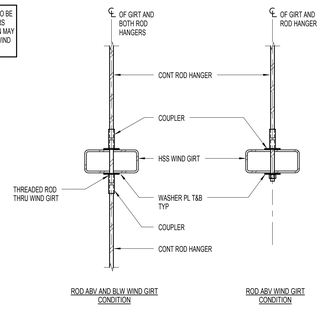
D6 S511 STEEL BEAM CONNECTION TO CONC WALL
NO SCALE

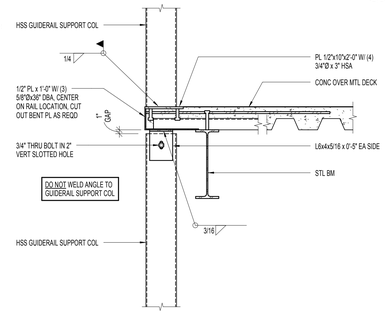


C1 S511 TYPICAL CONNECTION DETAIL OF HANGING ROD TO STEEL FLOOR BEAM AT STAIR LANDING SUPPORTS
NO SCALE

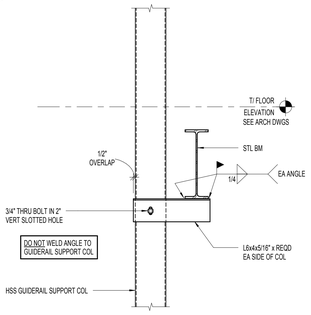


C3 S511 TYPICAL CONNECTION DETAIL OF HANGING ROD TO STEEL FLOOR BEAM AT WIND GIRT SUPPORTS
NO SCALE

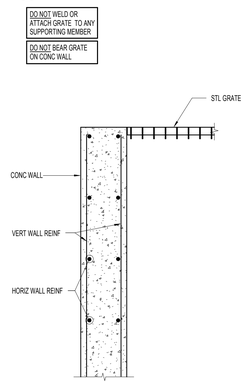




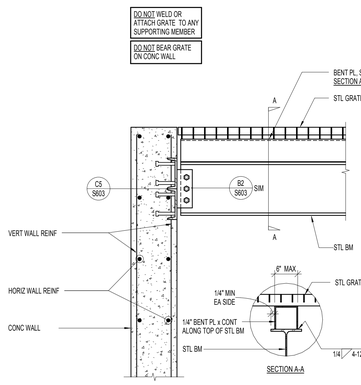
C5 S511 ELEVATOR GUIDE RAIL SUPPORT AT SLAB EDGE
NO SCALE



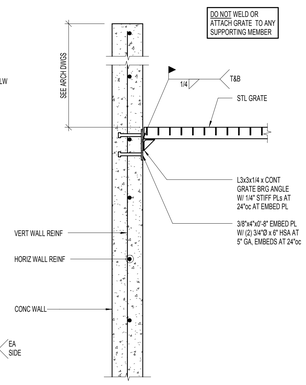
C6 S511 ELEVATOR GUIDE RAIL SUPPORT AT EDGE BEAM
NO SCALE



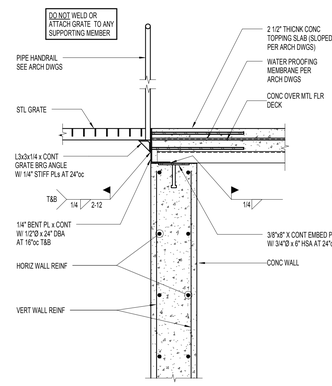
B1 S511 STEEL GRATE AT CONCRETE WALL
NO SCALE



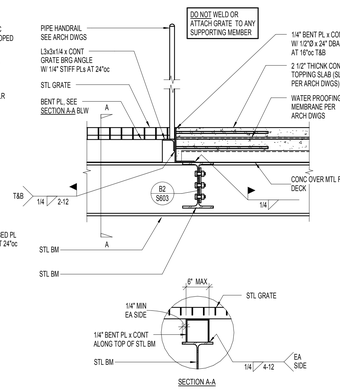
B2 S511 STEEL BEAM TO CONCRETE WALL AT STEEL GRATE
NO SCALE



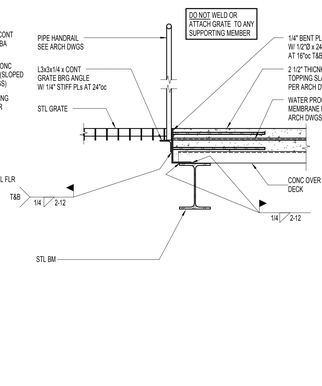
B3 S511 STEEL GRATE BEARING ON CONCRETE WALL
NO SCALE



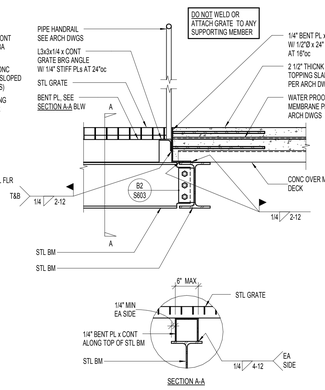
B4 S511 CONCRETE DECK TO STEEL GRATE TRANSITION
NO SCALE



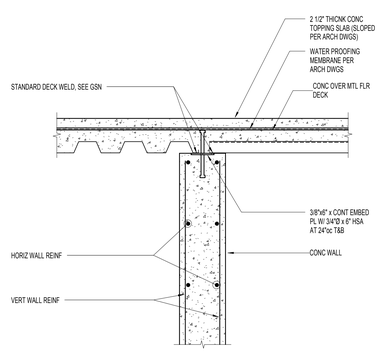
B5 S511 CONCRETE DECK TO STEEL GRATE TRANSITION
NO SCALE



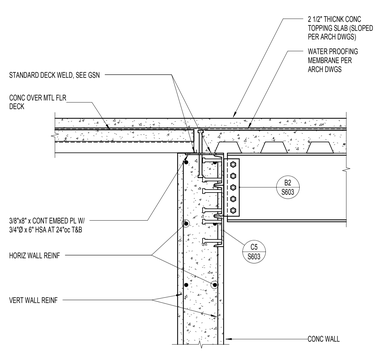
B6 S511 CONCRETE DECK TO STEEL GRATE TRANSITION
NO SCALE



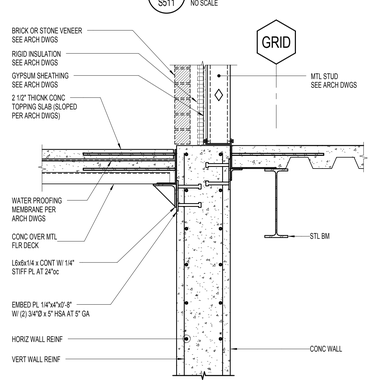
B7 S511 CONCRETE DECK TO STEEL GRATE TRANSITION
NO SCALE



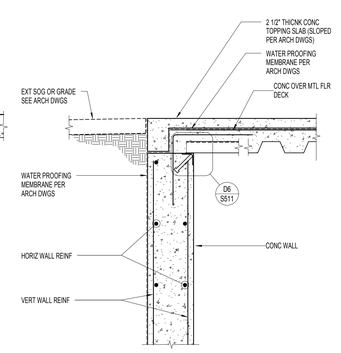
A1 S511 CONCRETE OVER METAL DECK TRANSITION AT CONC WALL
NO SCALE



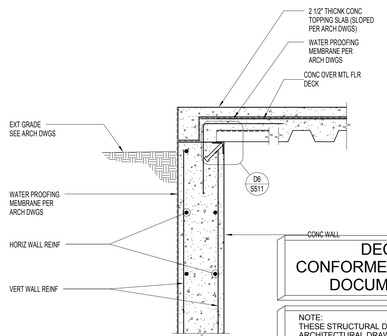
A2 S511 DECK TRANSITION AND STEEL BEAM AT CONCRETE WALL
NO SCALE



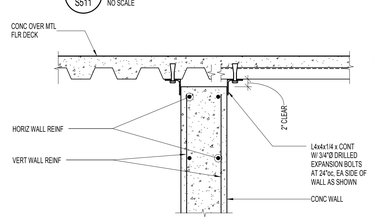
A3 S511 DECK TO CONCRETE WALL CONNECTION
NO SCALE



A4 S511 DECK TO CONCRETE WALL CONNECTION
NO SCALE



A5 S511 DECK TO CONCRETE WALL CONNECTION
NO SCALE



A6 S511 NON-BEARING CONCRETE WALL AT METAL DECK
NO SCALE

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12/02/2010

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
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Rev #	Date	Description

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Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

FLOOR FRAMING DETAILS

S511

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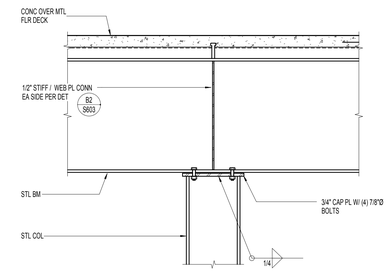
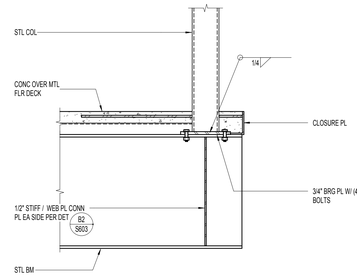
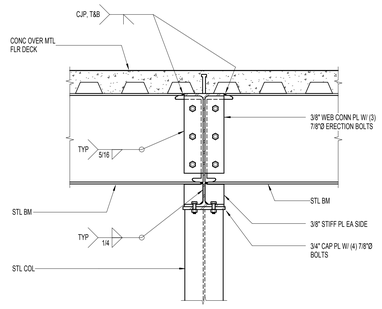


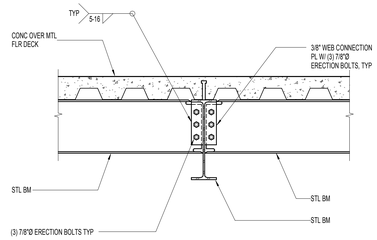
D1 S512 CANTILEVER BEAM OVER STEEL COLUMN
NO SCALE



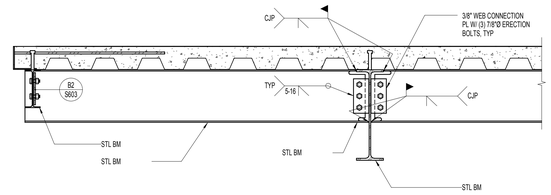
D2 S512 TUBE COLUMN ON STEEL BEAM
NO SCALE



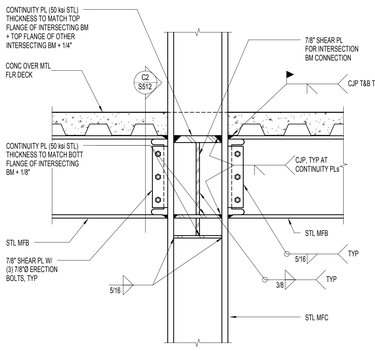
D3 S512 MOMENT CONNECTION AT CANTILEVER BEAM
NO SCALE



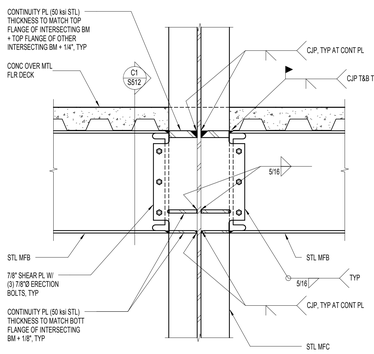
D4 S512 CANTILEVERED STEEL BEAM TO STEEL BEAM
NO SCALE



D5 S512 DETAIL AT CANTILEVERED FLOOR FRAMING
NO SCALE



C1 S512 MOMENT CONNECTION DETAIL
NO SCALE



C2 S512 MOMENT CONNECTION DETAIL
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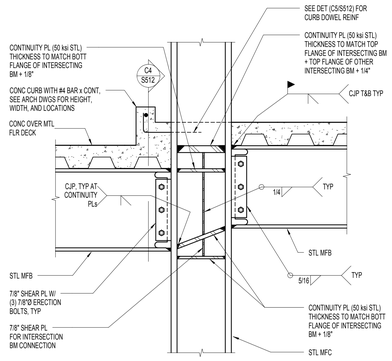

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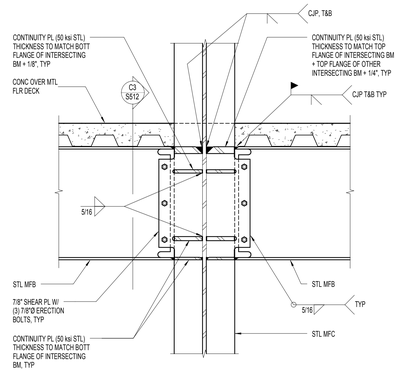

C4 S512 MOMENT CONNECTION DETAIL
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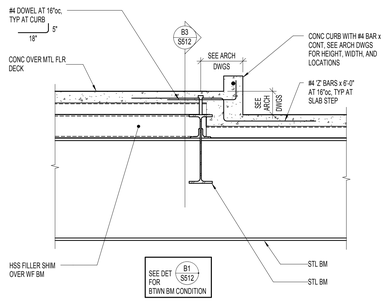
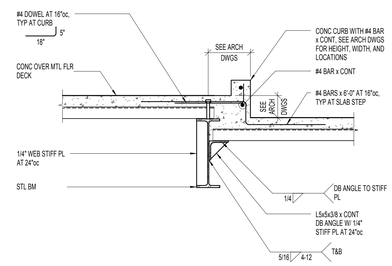
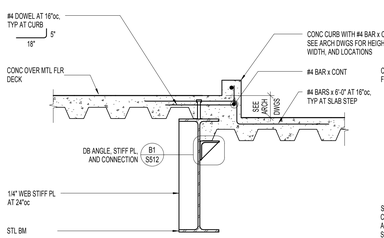


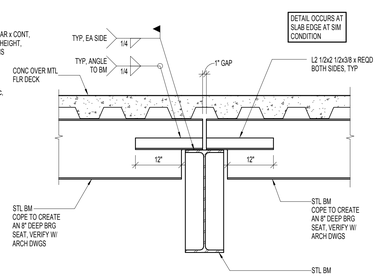
C5 S512 SLAB STEP DETAIL AT PATIO
NO SCALE



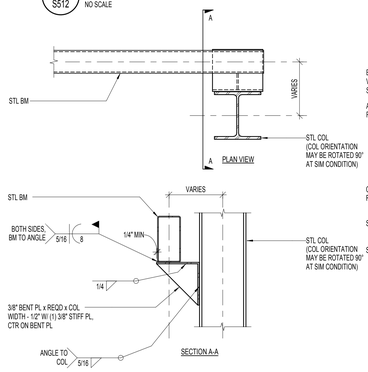
B1 S512 SLAB STEP DETAIL AT PATIO/STL DECK PERPENDICULAR TO BEAM
NO SCALE



B2 S512 SLAB STEP DETAIL AT PATIO/STL DECK PARALLEL TO BEAM
NO SCALE

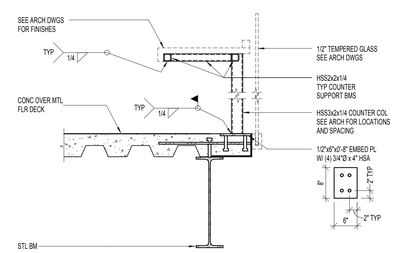


B3 S512 SLAB STEP DETAIL AT PATIO
NO SCALE

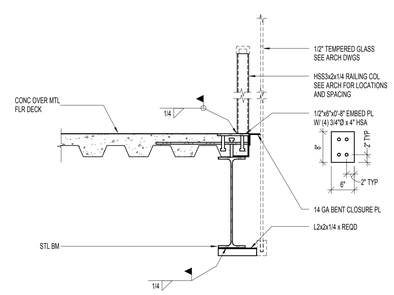


B4 S512 BRACE AT MOMENT FRAME FLOOR BEAM
NO SCALE

B5 S512 STRUCTURAL SUPPORT DETAIL AT BRICK VENEER COLUMNS AT LEVEL 02
NO SCALE



A1 S512 COUNTER SUPPORT EMBED DETAIL AT LEVEL 02M
NO SCALE



A2 S512 RAILING SUPPORT EMBED DETAIL AT LEVEL 02M
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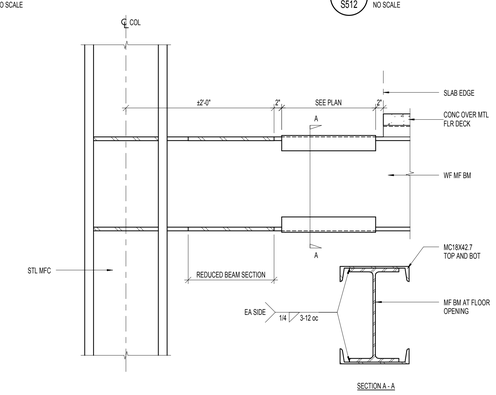
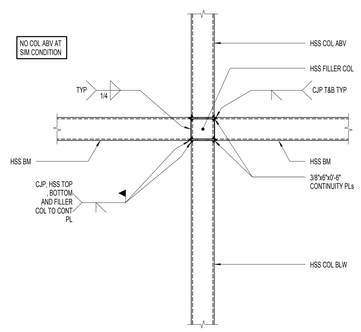
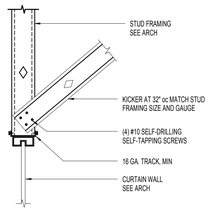


A3 S512 MOMENT FRAME BEAM DETAIL AT FLOOR OPENING
NO SCALE



A4 S512 CANTILEVERED STEEL TUBE BEAM AT STEEL TUBE COLUMN
NO SCALE



A5 S512 TYPICAL CURTAIN WALL TO STUD FRAMING CONNECTION
NO SCALE

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STRUCTURAL CHRISTOPHER R. DUNN OLSON 295738 STATE OF UTAH
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HOLLAND CENTENNIAL COMMONS

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FLOOR FRAMING DETAILS

S512

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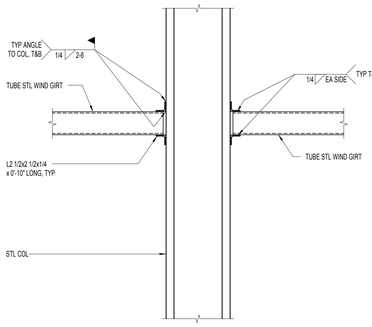
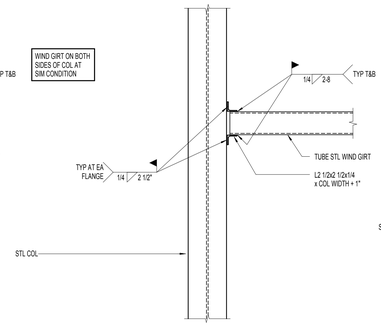
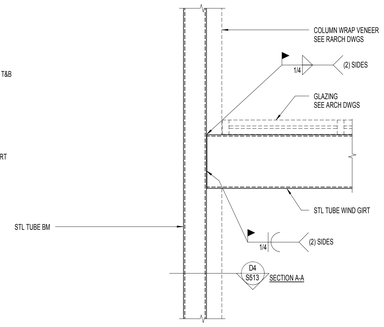


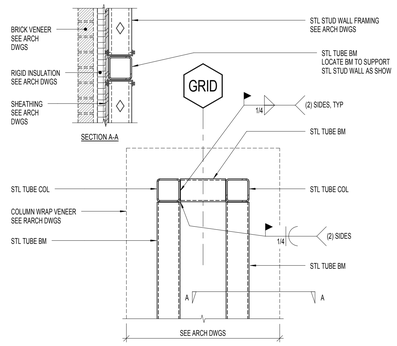
D1 S513 STEEL TUBE WIND GIRT AT STEEL COLUMN FLANGE
NO SCALE



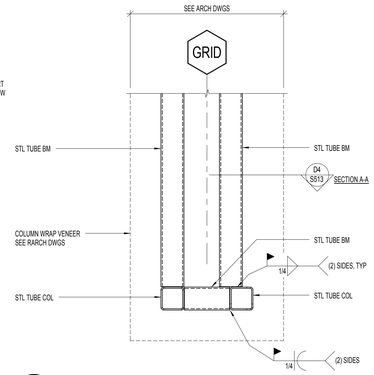
D2 S513 STEEL TUBE WIND GIRT AT STEEL COLUMN WEB
NO SCALE



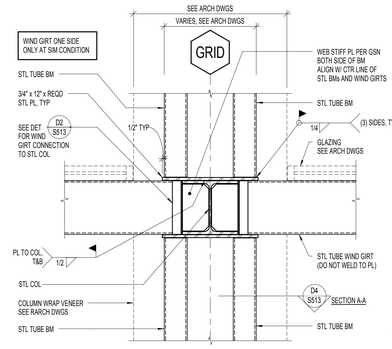
D3 S513 STEEL TUBE WIND GIRT AT STEEL TUBE BEAM (PLAN VIEW)
NO SCALE



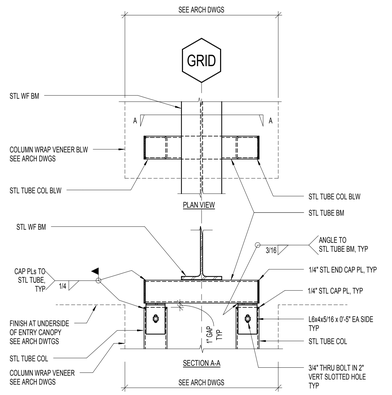
D4 S513 STEEL TUBE BEAMS TO STEEL TUBE COLUMNS (PLAN VIEW)
NO SCALE



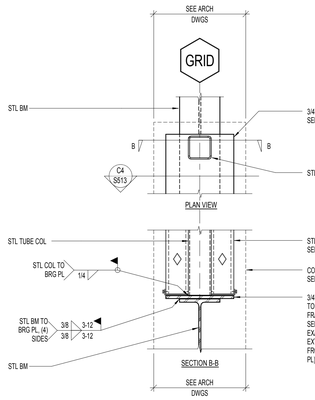
D5 S513 STEEL TUBE BEAMS TO STEEL TUBE COLUMNS (PLAN VIEW)
NO SCALE



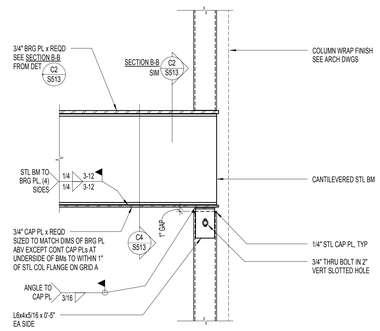
D6 S513 STEEL TUBE BEAMS TO STEEL TUBE WIND GIRTS AT STEEL COLUMN (PLAN VIEW)
NO SCALE



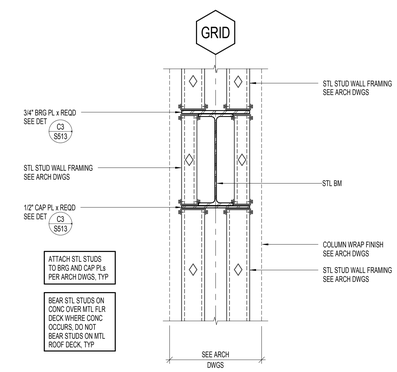
C1 S513 COLUMN ATTACHMENT DETAIL TO UNDERSIDE OF STEEL BEAM
NO SCALE



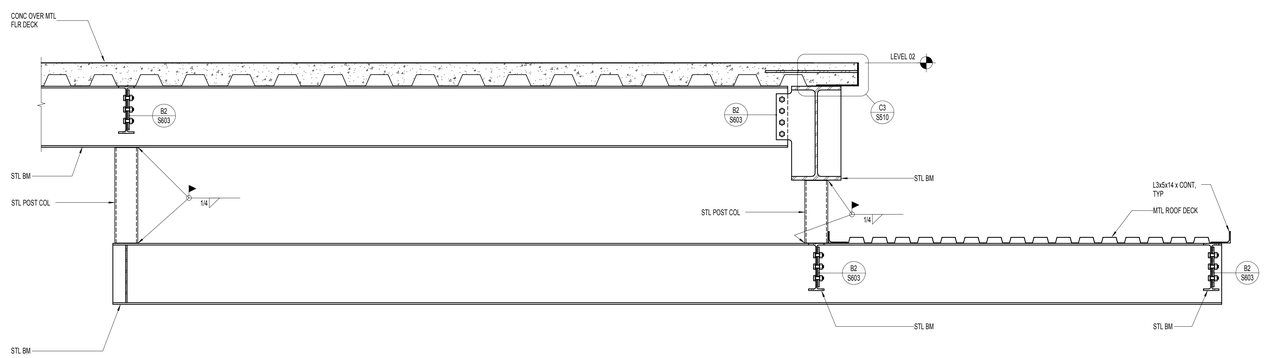
C2 S513 COLUMN ATTACHMENT DETAIL TO TOPSIDE OF STEEL BEAM
NO SCALE



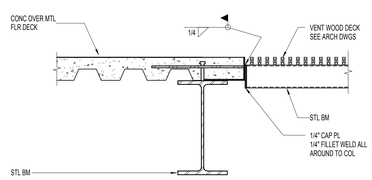
C3 S513 COLUMN ATTACHMENT DETAIL TO TOPSIDE OF STEEL BEAM
NO SCALE



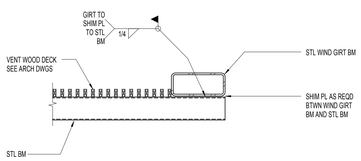
C4 S513 SECTION THROUGH STEEL BEAM AT COLUMN WRAP
NO SCALE



B1 S513 SECTION AT COFFEE SHOP ROOF
NO SCALE



A1 S513 VENT WOOD DECK SUPPORT BM TO SLAB EDGE
NO SCALE



A2 S513 VENT WOOD DECK SUPPORT BM TO WIND GIRT BEAM
NO SCALE

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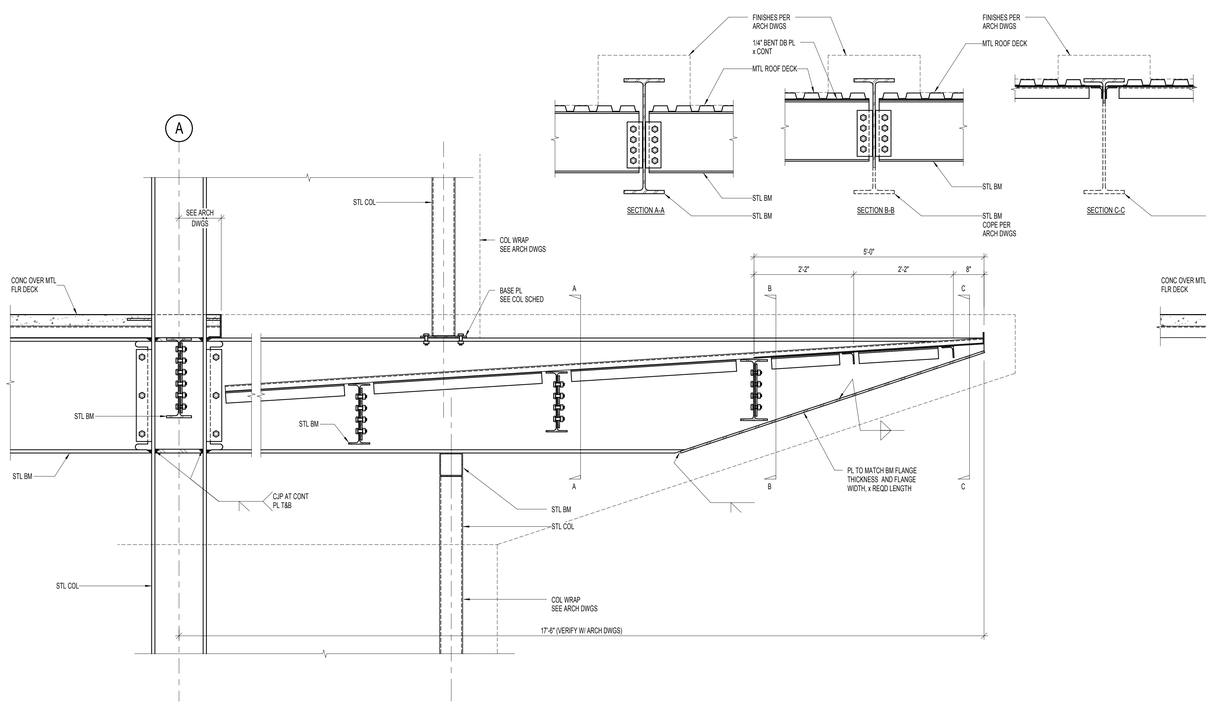
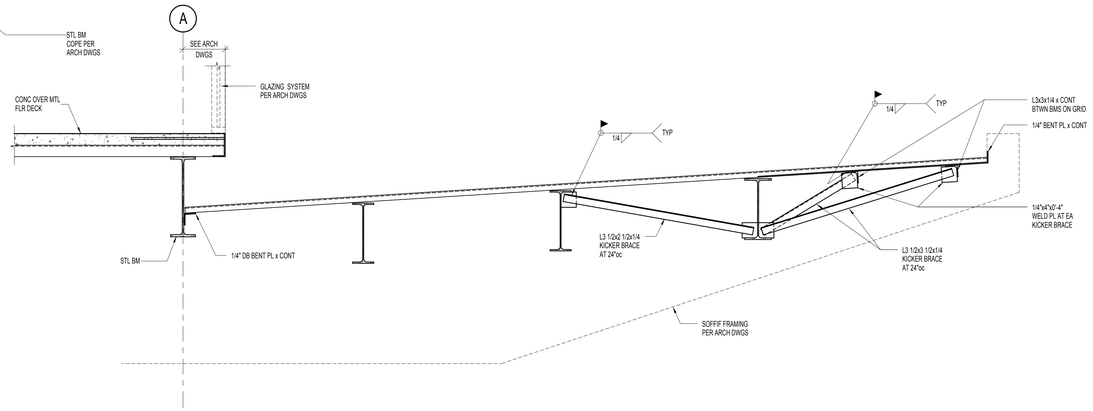
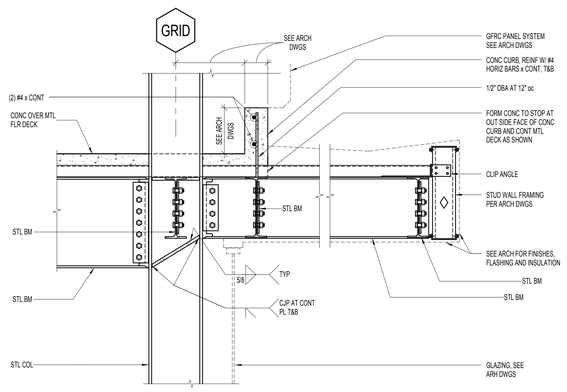


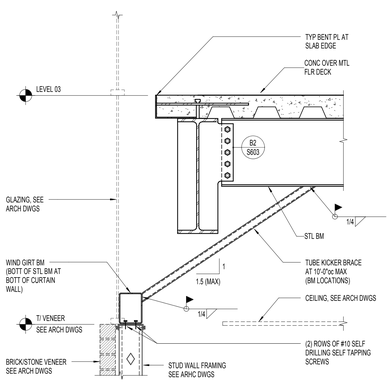
C1 S514 STEEL TUBE COLUMN CONNECTIONS TO CANTILEVERED CANOPY BEAM
NO SCALE



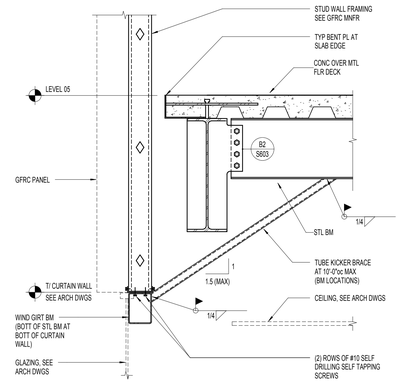
C4 S514 STEEL TUBE COLUMN CONNECTIONS TO CANTILEVERED CANOPY BEAM
NO SCALE



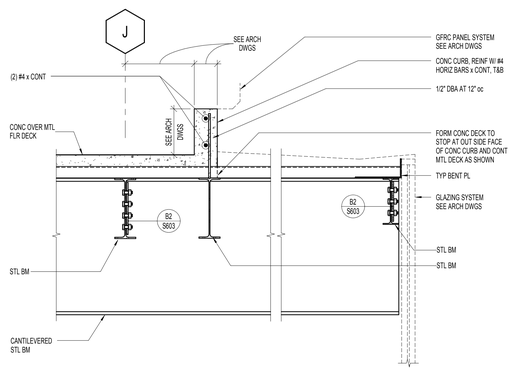
B1 S514 "BROW" DETAIL AT LEVEL 04
NO SCALE



B4 S514 WIND GIRT KICKER BRACE DETAIL AT LEVEL 03
NO SCALE



B5 S514 WIND GIRT KICKER BRACE DETAIL AT LEVEL 05
NO SCALE



A1 S514 POP-OUT ROOF DETAIL AT LEVEL 05
NO SCALE

DEC. 03, 2010
CONFORMED CONSTRUCTION DOCUMENTS BID SET

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

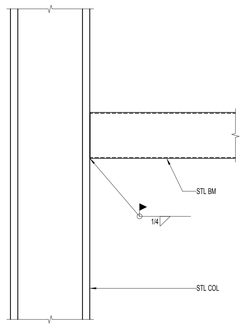
Rev #	Date	Description

Dunn Job #:	10004
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

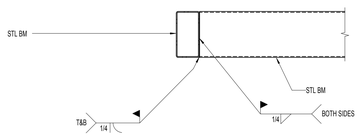
FLOOR FRAMING DETAILS

S514

12/2/2010 8:58:37 AM



D1 S520 STAIR FRAMING DETAIL
NO SCALE



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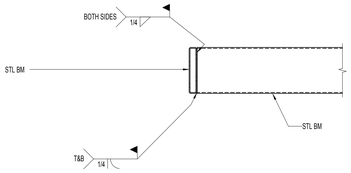

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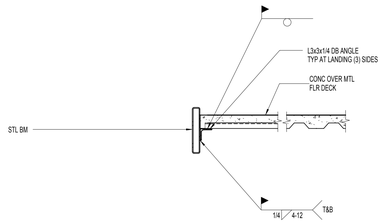
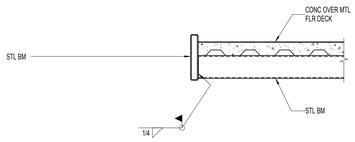


D4 S520 STAIR FRAMING DETAIL
NO SCALE



D5 S520 STAIR FRAMING DETAIL
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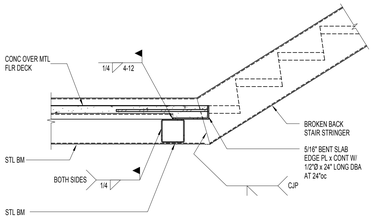

C2 S520 STAIR FRAMING DETAIL
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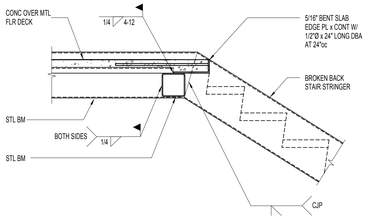

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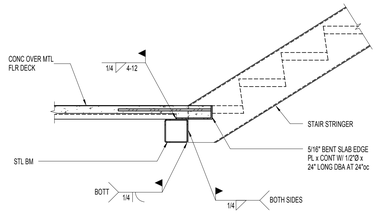
NO SCALE



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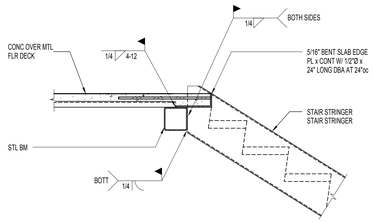

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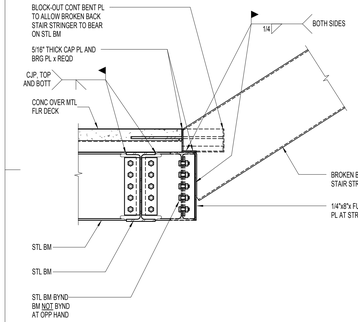
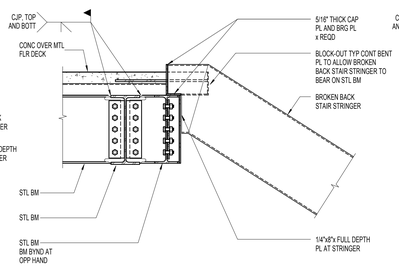
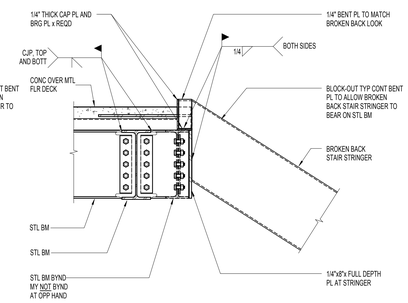


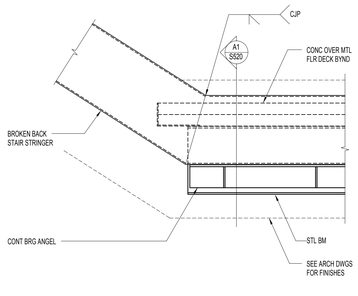
B1 S520 STAIR STRINGER BEAM BEARING DETAIL
NO SCALE



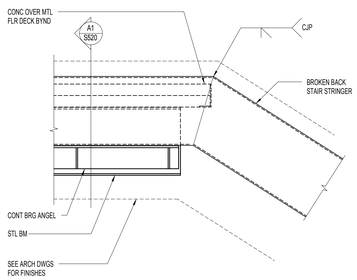
B2 S520 STAIR STRINGER BEAM BEARING DETAIL
NO SCALE



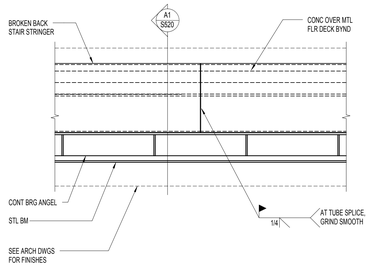
B3 S520 STAIR STRINGER BEAM CONNECTION DETAIL AT LEVEL 04
NO SCALE



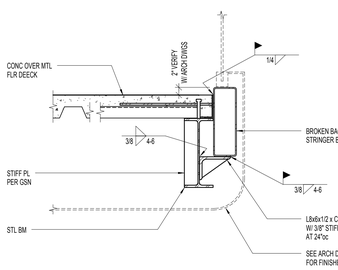
B4 S520 STAIR STRINGER BEAM BEARING DETAIL
NO SCALE



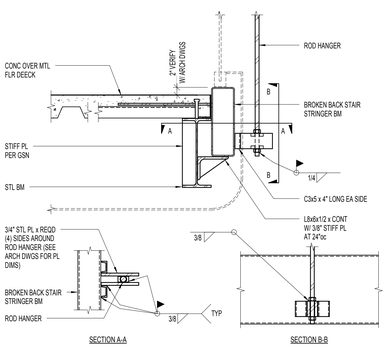
B5 S520 STAIR STRINGER BEAM BEARING DETAIL
NO SCALE



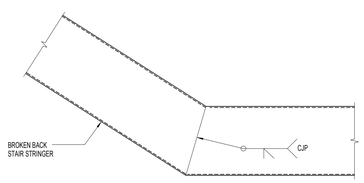
B6 S520 STAIR STRINGER SPLICE DETAIL
NO SCALE



A1 S520 STAIR STRINGER BEAM CONNECTION DETAIL
NO SCALE



A2 S520 STAIR STRINGER BEAM CONNECTION DETAIL
NO SCALE



A3 S520 TYPICAL BROKEN BACK STAIR STRINGER DETAIL
NO SCALE

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HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

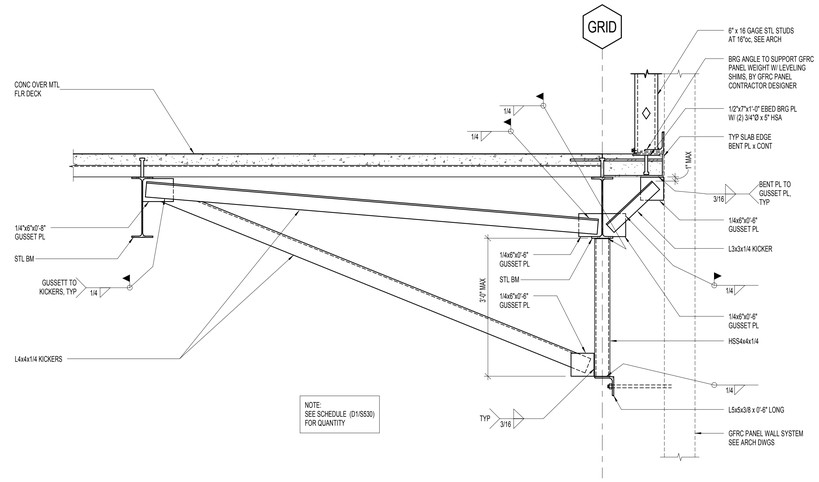
Dunn Job #:	10004
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

STAIR FRAMING DETAILS

S520

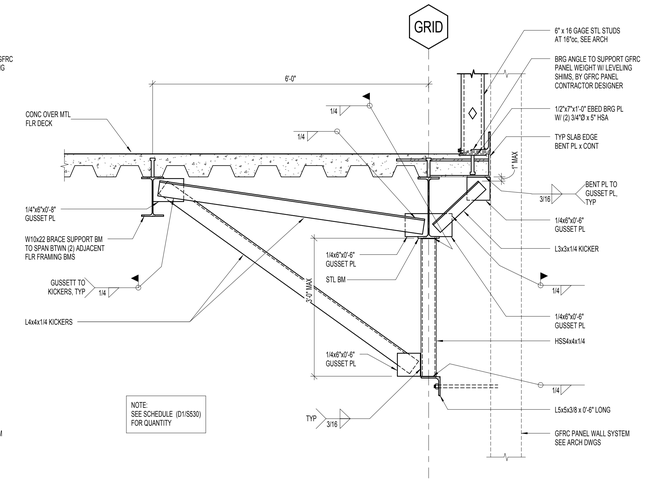
12/2/2010 8:58:39 AM

GFRC CONNECTION QUANTITY SCHEDULE	
Details on this sheet illustrates typical GFRC panel connection point. Use the table below to assist with bidding and cost estimating. The quantity of connection points shown in the table is based on the assumption that there is on average 2 connection points every 15'-0". Past experience has shown that this is a conservative number. As such, the owner is to receive a credit for every connection point not used in the final design.	
A1/S530	55
A3/S530	41
B5/S530	60
D3/S530	29
D5/S530	122

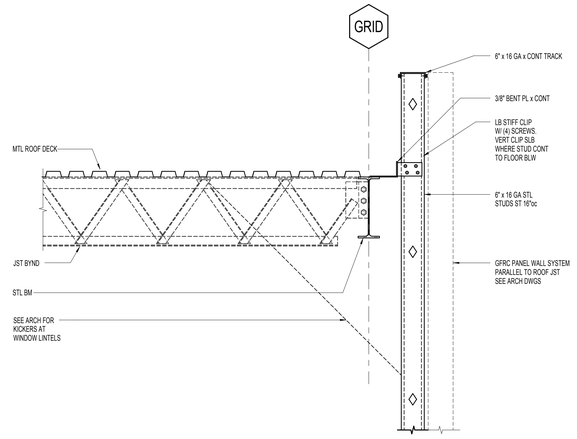


D1 S530 GFRC PANEL CONNECTION POINT DETAIL QUANITY SCHEDULE
NO SCALE

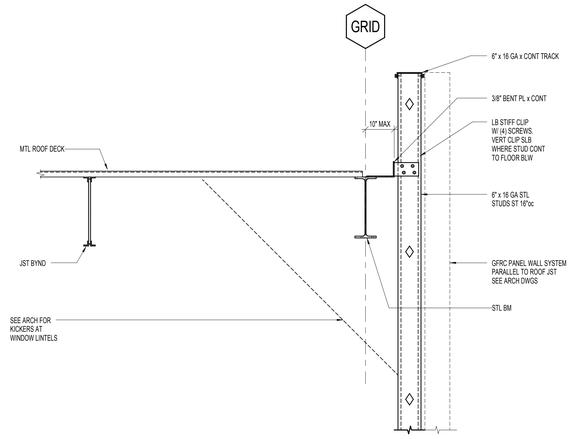
D3 S530 TYPICAL GFRC PANEL CONNECTION AT EXTERIOR FLOOR BEAM (PARALLEL TO INTERIOR BEAMS)
NO SCALE



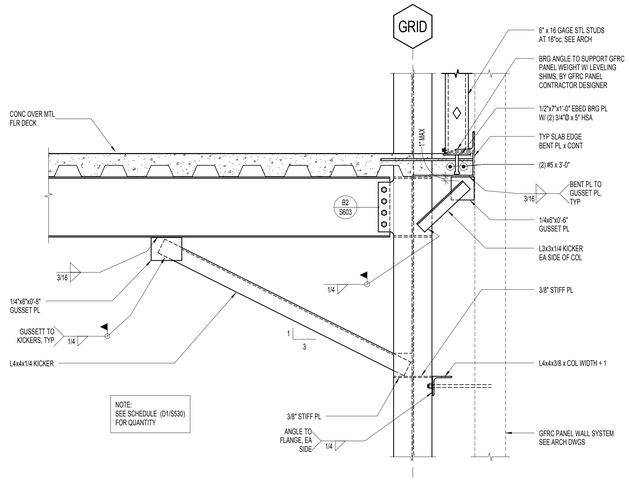
D5 S530 TYPICAL GFRC PANEL CONNECTION AT EXTERIOR FLOOR BEAM (PERPENDICULAR TO INTERIOR BEAMS)
NO SCALE



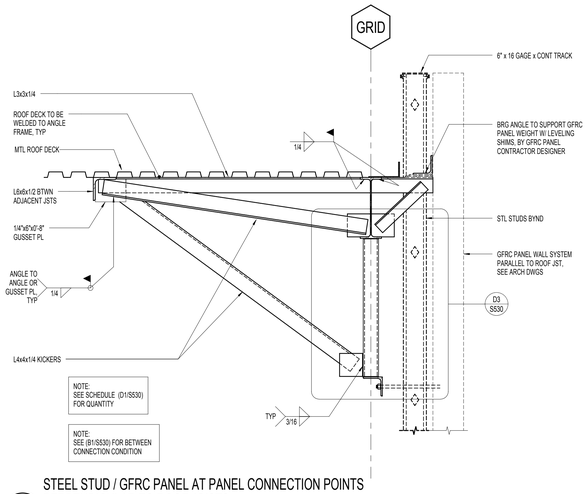
B1 S530 STEEL STUD / GFRC PANEL BETWEEN PANEL CONNECTION POINTS PERPENDICULAR TO ROOF JOISTS
NO SCALE



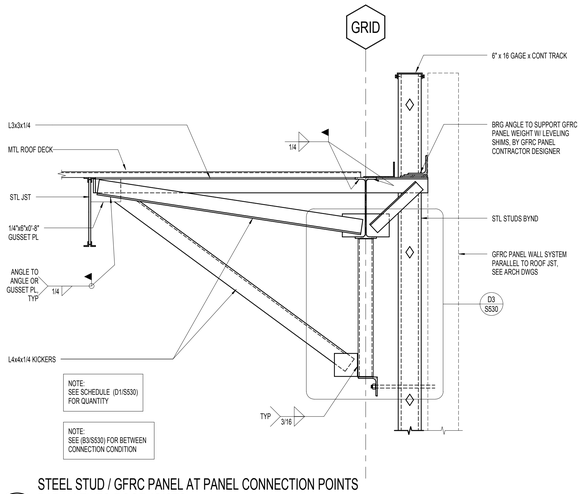
B3 S530 STEEL STUD / GFRC PANEL BETWEEN PANEL CONNECTION POINTS PARALLEL TO ROOF JOISTS
NO SCALE



B5 S530 TYPICAL GFRC PANEL CONNECTION AT STEEL COLUMN AT FLOOR FRAMING
NO SCALE



A1 S530 STEEL STUD / GFRC PANEL AT PANEL CONNECTION POINTS PERPENDICULAR TO ROOF JOISTS
NO SCALE



A3 S530 STEEL STUD / GFRC PANEL AT PANEL CONNECTION POINTS PARALLEL TO ROOF JOISTS
NO SCALE

DEC. 03, 2010
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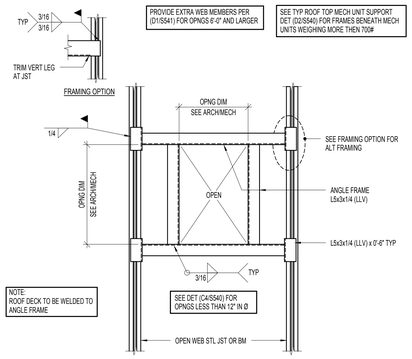
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

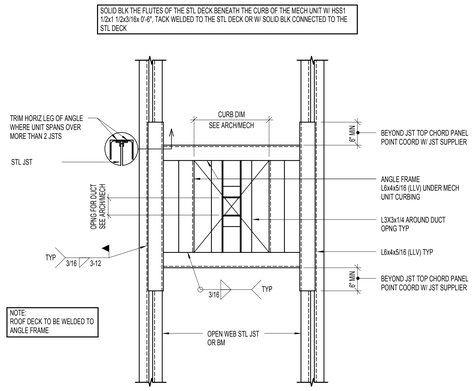
GFRC PANEL SUPPORT DETAILS

S530

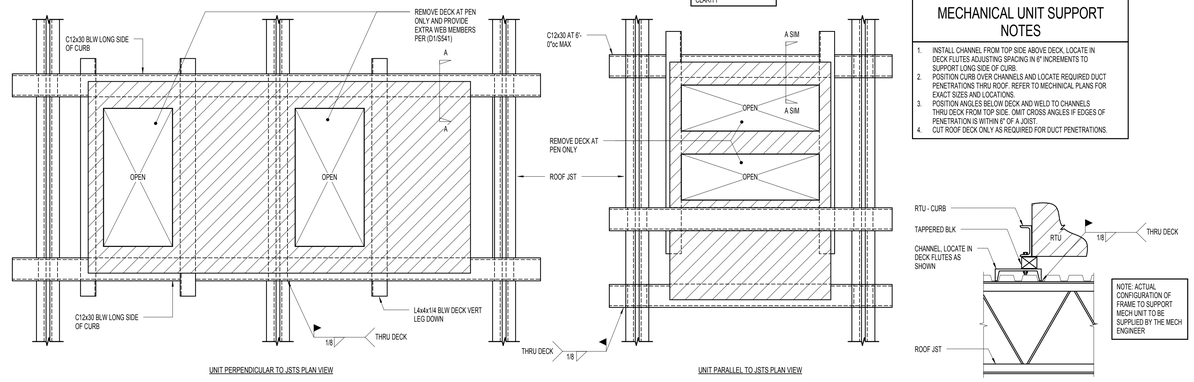
12/2/2010 8:58:40 AM



D1 S540 TYPICAL ROOF OPENING OR MECHANICAL UNIT WEIGHING LESS THAN 700#
NO SCALE



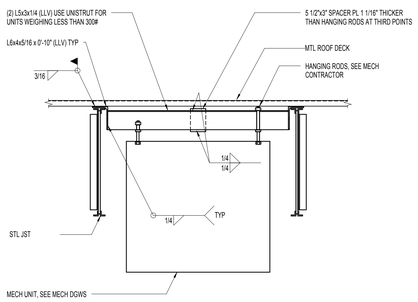
D2 S540 TYPICAL ROOF TOP MECHANICAL UNIT WEIGHING MORE THAN 700#
NO SCALE



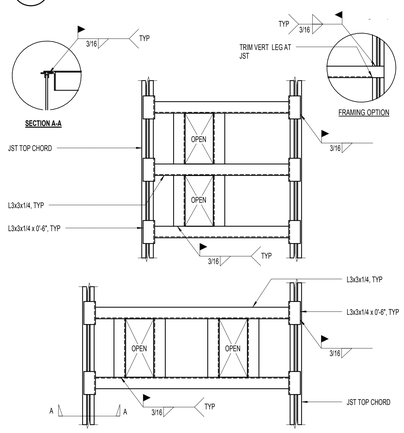
MECHANICAL UNIT SUPPORT NOTES

1. INSTALL CHANNEL FROM TOP SIDE ABOVE DECK, LOCATE IN DECK FLUTES ADJUSTING SPACING IN 6" INCREMENTS TO SUPPORT LONG SIDE OF CURB.
2. POSITION CURB OVER CHANNELS AND LOCATE REQUIRED DUCT PENETRATIONS THRU ROOF. REFER TO MECHINICAL PLANS FOR EXACT SIZES AND LOCATIONS.
3. POSITION ANGLES BELOW DECK AND WELD TO CHANNELS THRU DECK FROM TOP SIDE. OMIT CROSS ANGLES IF EDGES OF PENETRATION IS WITHIN 6" OF A JOIST.
4. CUT ROOF DECK ONLY AS REQUIRED FOR DUCT PENETRATIONS.

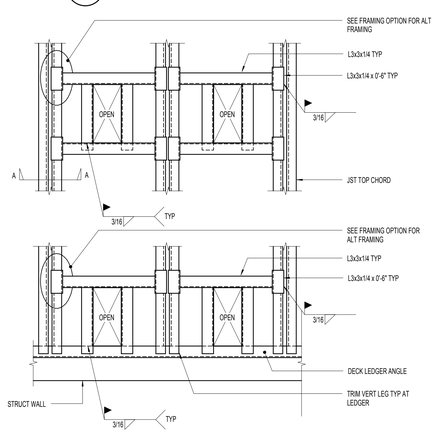
D3 S540 TYPICAL ROOF OPENING OR MECHANICAL UNITS (PLAN VIEW)
NO SCALE



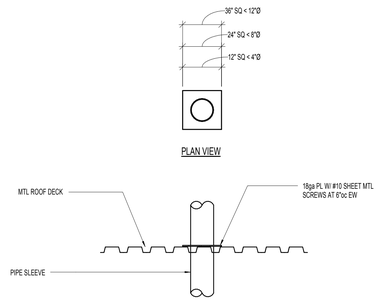
C1 S540 HANGING MECHANICAL UNIT
NO SCALE



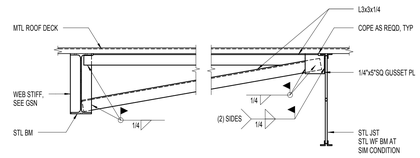
C2 S540 TYPICAL ROOF DRAIN SUPPORT (PLAN VIEW)
NO SCALE



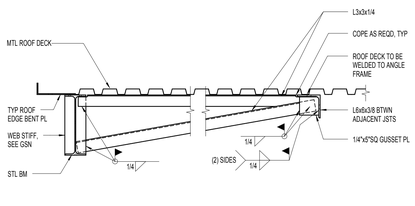
C3 S540 TYPICAL PIPE SLEEVE HOLE DETAIL (12"Ø OR LESS) THRU ROOF DECK
NO SCALE



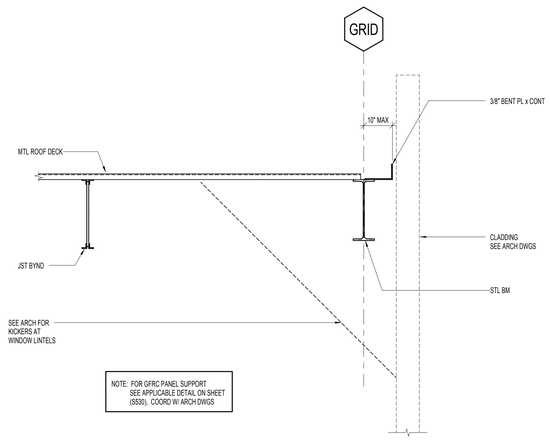
C4 S540 TYPICAL PIPE SLEEVE HOLE DETAIL (12"Ø OR LESS) THRU ROOF DECK
NO SCALE



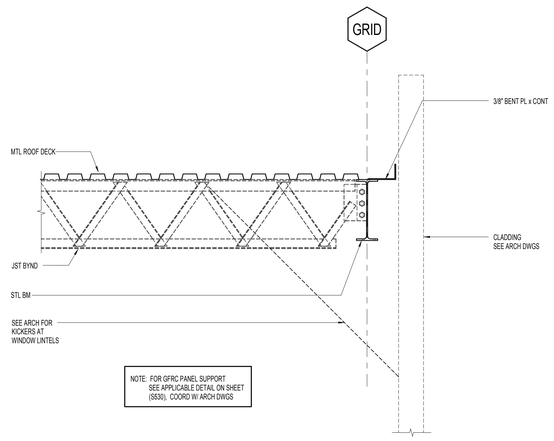
C5 S540 BRACE OF BOTTOM BEAM FLANGE (BEAMS PARRALLEL TO JOIST)
NO SCALE



A1 S540 BRACE AT BOTTOM BEAM FLANGE (BEAM PERPENDICULAR TO JOISTS)
NO SCALE



A2 S540 ROOF EDGE DETAIL PARALLEL TO ROOF JOISTS
NO SCALE



A3 S540 ROOF EDGE DETAIL PERPENDICULAR TO ROOF JOISTS
NO SCALE

DEC. 03, 2010
CONFORMED CONSTRUCTION DOCUMENTS BID SET

NOTE:
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STATE OF UTAH CHRISTOPHER D. OLSON 295738 STRUCTURAL ENGINEER 12/02/2010

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Dunn Job #:	10004
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

ROOF FRAMING DETIALS

S540

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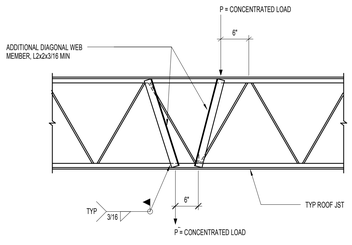
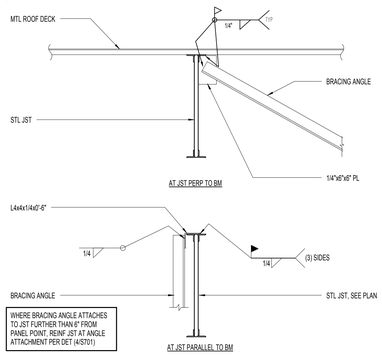
12/2/2010 8:58:41 AM

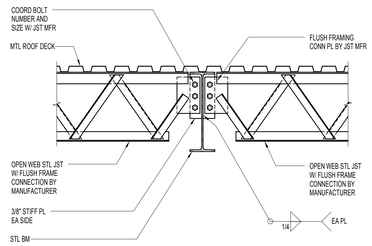
NOTE:
WHERE CONCENTRATED LOADS ON OPEN WEB JSTS ARE LOCATED MORE THAN 6" FROM THE PANEL POINTS AT EITHER THE TOP OR BOTT CHORD, ADDITIONAL DIAGONAL WEB MEMBERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AT THE LOCATION OF THE CONCENTRATED LOAD



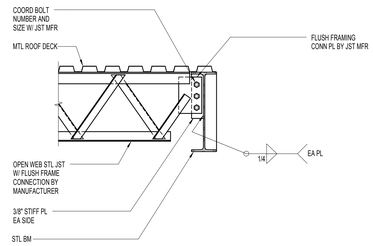
D1 S541 TYPICAL JOIST REINFORCING
NO SCALE



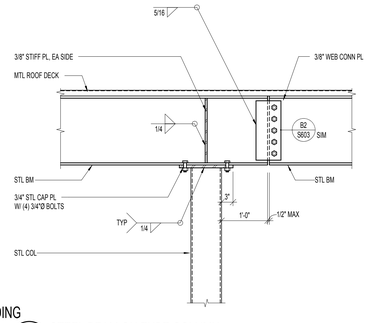
D2 S541 TYPICAL BRACING TO JOIST DETAIL
NO SCALE



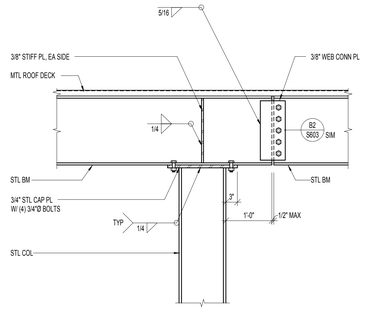
D3 S541 TYPICAL STEEL JOIST CONNECTION AT STEEL BEAM - FLUSH FRAMED
NO SCALE



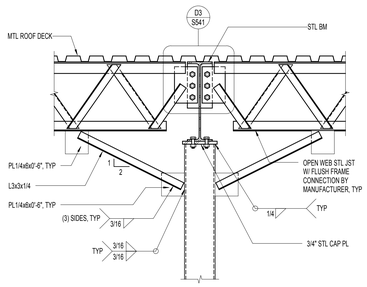
D4 S541 TYPICAL STEEL JOIST CONNECTION AT STEEL BEAM AT BUILDING PERIMETER - FLUSH FRAMED
NO SCALE



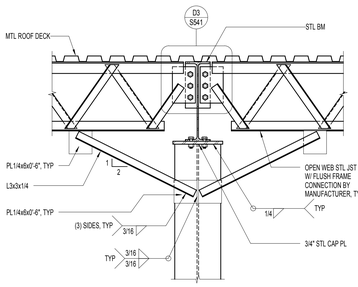
D5 S541 STEEL BEAM ON TUBE COLUMN
NO SCALE



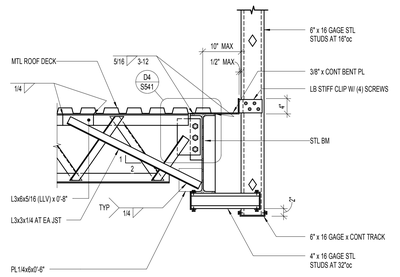
D6 S541 STEEL BEAM ON WF COLUMN
NO SCALE



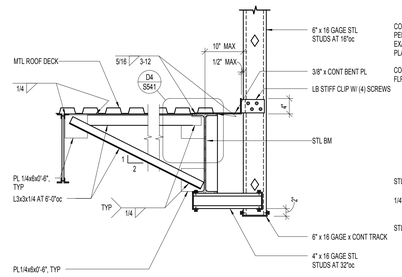
C1 S541 STEEL JOIST CONNECTION AT STEEL BEAM AT TUBE COLUMN
NO SCALE



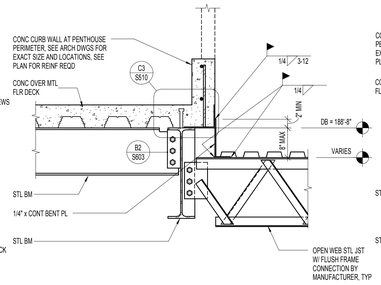
C2 S541 STEEL JOIST CONNECTION AT STEEL BEAM AT WF COLUMN
NO SCALE



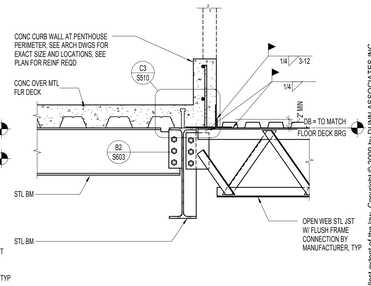
C3 S541 FRAMING AT SKYLIGHT PERPENDICULAR TO JOISTS
NO SCALE



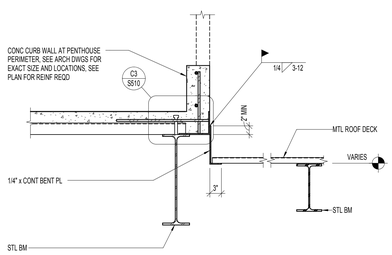
C4 S541 FRAMING AT SKYLIGHT PARALLEL TO JOISTS
NO SCALE



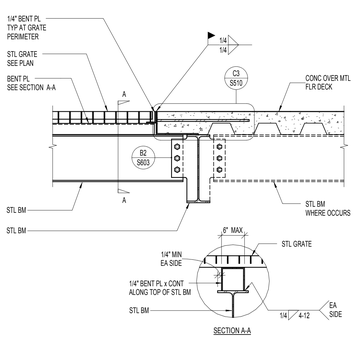
C5 S541 DETAIL
NO SCALE



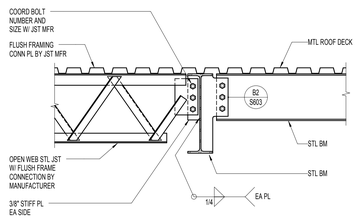
C6 S541 DETAIL
NO SCALE



B1 S541 DETAIL
NO SCALE



B2 S541 GRATE BEARING DETAIL AT ROOF
NO SCALE



B3 S541 TYPICAL STEEL JOIST AND STEEL BEAM CONNECTION AT STEEL BEAM
NO SCALE

DEC. 03, 2010
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STRUCTURAL CHRISTOPHER D. OLSON 395738 12/02/2010 STATE OF UTAH

HOLLAND CENTENNIAL COMMONS

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ROOF FRAMING DETAILS

S541

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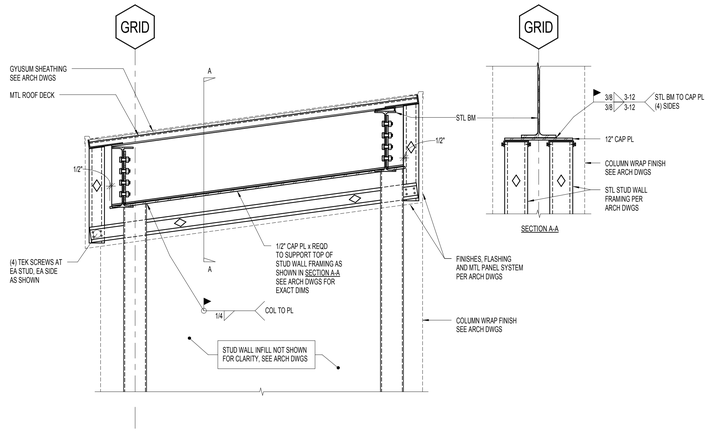
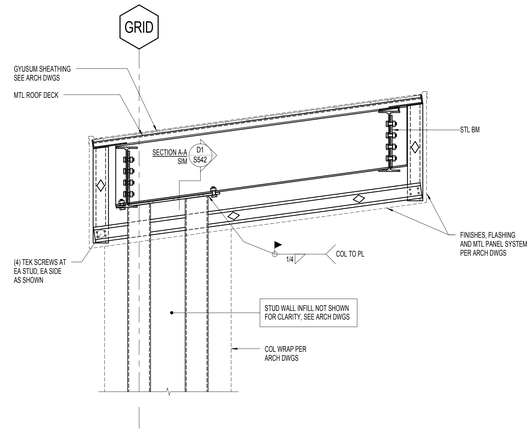
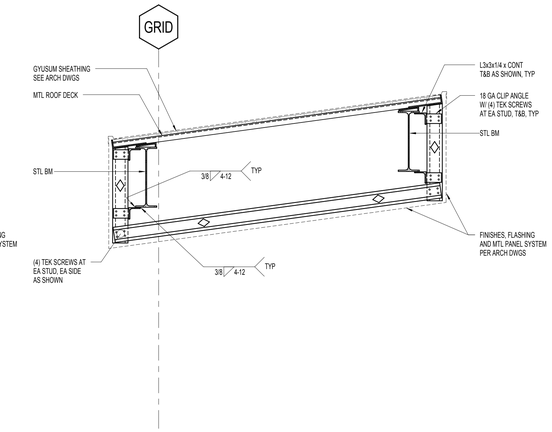


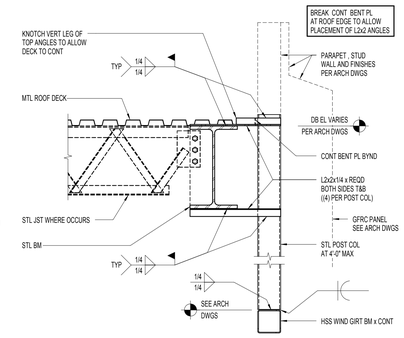
D1 S542 BROW DETAIL
NO SCALE



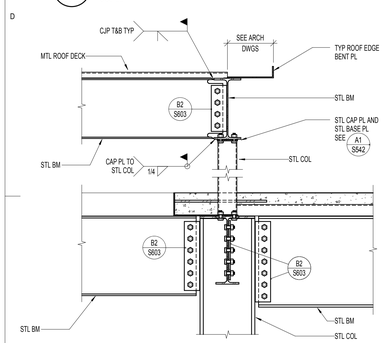
D2 S542 BROW DETAIL
NO SCALE



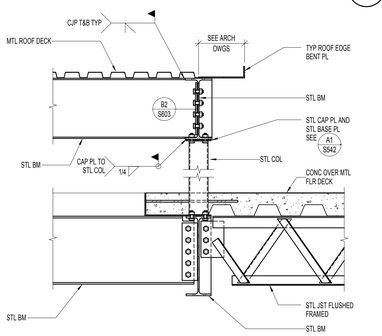
D4 S542 BROW DETAIL
NO SCALE



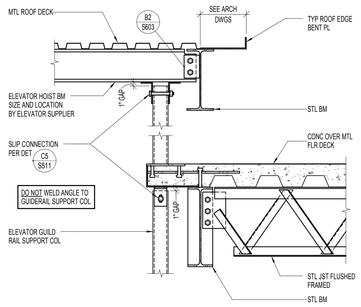
D5 S542 CURTAIN WALL WIND GIRT SUPPORT DETAIL
NO SCALE



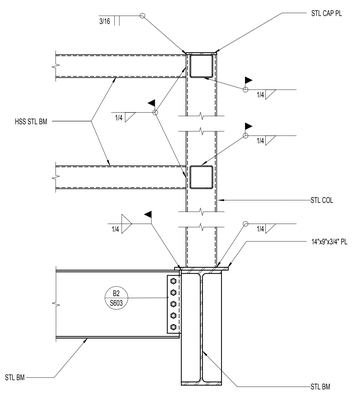
C1 S542 ELEVATOR POP-UP ROOF DETAIL
NO SCALE



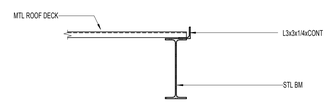
C2 S542 ELEVATOR POP-UP ROOF DETAIL
NO SCALE



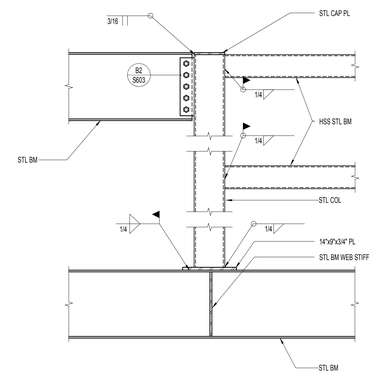
C3 S542 ELEVATOR POP-UP ROOF DETAIL AT GUIDE RAIL SUPPORT COLUMN
NO SCALE



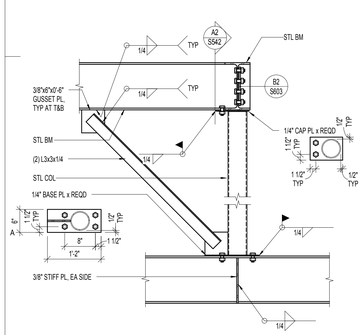
B2 S542 PENTHOUSE ROOF CONNCECTION DETAIL
NO SCALE



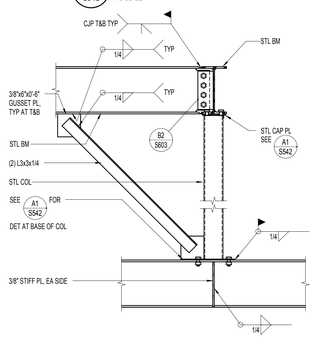
B3 S542 PENTHOUSE ROOF EDGE DETAIL
NO SCALE



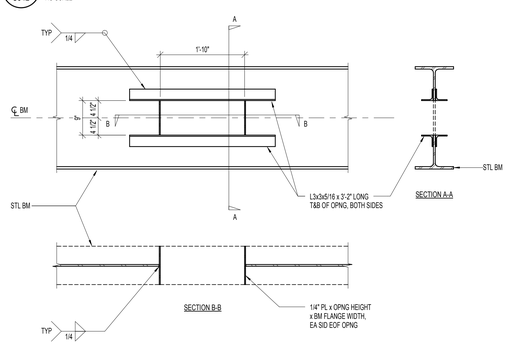
B4 S542 PENTHOUSE ROOF CONNCECTION DETAIL
NO SCALE



A1 S542 COLLING TOWER SUPPORT FRAMING DETAIL
NO SCALE



A2 S542 COLLING TOWER SUPPORT FRAMING DETAIL
NO SCALE



A4 S542 BEAM PENETRATION DETAIL
NO SCALE

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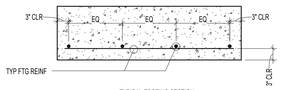
ROOF FRAMING DETAILS

S542

12/2/2010 8:58:44 AM

CONCRETE FOOTING SCHEDULE

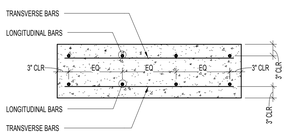
MARK	WIDTH	LENGTH	DEPTH	REINFORCING CROSSWISE				REINFORCING LENGTHWISE				COMMENTS
				NO	SIZE	LENGTH	SPACING	NO	SIZE	LENGTH	SPACING	
FC2.0	2'-0"	CONT	12"	—	—	—	—	3	#5	CONT	EQ	
FC2.5	2'-6"	CONT	12"	—	#5	2'-0"	14"	3	#5	CONT	EQ	
FC3.0	3'-0"	CONT	12"	—	#5	2'-6"	14"	3	#5	CONT	EQ	
FC6.5	6'-6"	CONT	18"	—	#6-	6'-0"	14"	9	#6	CONT	EQ	
FS3.5	3'-6"	3'-6"	12"	5	#5	3'-0"	EQ	5	#5	3'-0"	EQ	
FS7.0	7'-0"	7'-0"	24"	12	#5	6'-6"	EQ	12	#5	6'-6"	EQ	
FS8.0	8'-0"	8'-0"	24"	12	#6	7'-6"	EQ	12	#6	7'-6"	EQ	
FS8.5	8'-6"	8'-6"	24"	10	#7	8'-0"	EQ	10	#7	8'-0"	EQ	
FS9.5	9'-6"	9'-6"	22"	11	#7	9'-0"	EQ	11	#7	9'-0"	EQ	
FS10.0	10'-0"	10'-0"	38"	14	#7	9'-6"	EQ	14	#7	9'-6"	EQ	
FS10.5	10'-6"	10'-6"	38"	11	#8	10'-0"	EQ	11	#8	10'-0"	EQ	
FS11.0	11'-0"	11'-0"	38"	12	#8	10'-6"	EQ	12	#8	10'-6"	EQ	
FS11.5	11'-6"	11'-6"	38"	16	#7	11'-0"	EQ	16	#7	11'-0"	EQ	
FS13.0	13'-0"	13'-0"	39"	-	#-	12'-6"	EQ	-	#-	12'-6"	EQ	
FRAx7	4'-0"	7'-0"	24"	6	#6	3'-6"	EQ	11	#6	6'-6"	EQ	



TYPICAL FOOTING SECTION

FRAME CONCRETE FOOTING SCHEDULE

MARK	WIDTH	LENGTH	DEPTH	LOCATION (TOP OR BOTTOM)	REINFORCING CROSSWISE (TRANSVERSE)			REINFORCING LENGTHWISE (LONGITUDINAL)			COMMENTS
					SIZE	LENGTH	SPACING	SIZE	LENGTH	SPACING	
FC6.5	6'-6"	103'-0"	48"	TOP				#9	102'-6"	11"	FRAME 1
				BOTTOM	#9	6'-0"	11"	#9	102'-6"	5"	
FC9.0b	9'-0"	116'-6"	48"	TOP				#9	116'-0"	13"	FRAME 2
				BOTTOM	#9	8'-6"	10"	#9	116'-0"	6"	
FC8.5	8'-6"	107'-0"	60"	TOP				#9	106'-6"	11"	FRAME 3
				BOTTOM	#9	8'-0"	8"	#9	106'-6"	5"	
FC9.0a	9'-0"	112'-6"	45"	TOP				#9	112'-0"	12"	FRAME 4
				BOTTOM	#9	8'-6"	12"	#9	112'-0"	8"	
FC7.0b	7'-0"	79'-0"	48"	TOP				#9	78'-6"	8"	FRAME 5
				BOTTOM	#9	6'-6"	11"	#9	78'-6"	4"	
FC7.5	7'-6"	68'-0"	60"	TOP				#9	67'-6"	10"	FRAME 6
				BOTTOM	#9	7'-0"	9"	#9	67'-6"	4 1/2"	
FC7.0a	7'-0"	78'-6"	41"	TOP				#9	78'-0"	8 1/2"	FRAME 7
				BOTTOM	#9	6'-6"	12"	#9	78'-0"	4"	
FC8.0	8'-0"	40'-0"	48"	TOP	#8	7'-6"	18"	#6	39'-6"	12"	FRAME 8
				BOTTOM	#9	7'-6"	12"	#9	39'-6"	5"	



TYPICAL FRAME FOOTING SECTION

CONCRETE FOOTING NOTES:

1. PLACE ALL FOOTING REINFORCING IN BOTTOM OF FOOTING WITH 3" CLEAR CONCRETE COVER, UNLESS NOTED OTHERWISE.
2. TOP REINFORCING, WHERE SPECIFIED, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" MINIMUM CONCRETE COVER.
3. IF FOOTINGS ARE EARTH FORMED, FOOTING WIDTH AND LENGTH SHALL BE 6" WIDER AND LONGER THAN SCHEDULED.
4. SEE GENERAL STRUCTURAL NOTES FOR ALL OTHER REQUIREMENTS.
5. NOT ALL FOOTINGS ARE USED. SEE FOUNDATION PLAN FOR FOOTING MARKS.
6. RUN CONTINUOUS BARS IN 'FC' FOOTING THROUGH INTERSECTED 'FS' FOOTINGS.

B1 / S601 CONCRETE FOOTING SCHEDULE
NO SCALE

CONCRETE WALL SCHEDULE

MARK	THICKNESS	REINFORCING			WALL TYPE	COMMENTS
		VERTICAL	HORIZONTAL	TOP AND BOTTOM		
CW-8A	8"	(1) #7 AT12"oc	(1) #7 AT12"oc	(1) #7	C	—
CW-8B	8"	(1) #5 AT12"oc	(1) #5 AT12"oc	(1) #5	A	—
CW-12A	12"	(1) #7 AT12"oc	(1) #7 AT12"oc	(1) #7	C	—
CW-12B	12"	(1) #5 AT12"oc	(1) #5 AT12"oc	(1) #5	C	—
CW-14	14"	(1) #7 AT12"oc	(1) #7 AT12"oc	(1) #7	C	—
CW-16	16"	(1) #7 AT12"oc	(1) #7 AT12"oc	(1) #7	C	—
CW-20	20"	(1) #7 AT6"oc	(1) #7 AT6"oc	(1) #7	C	—

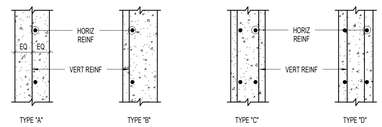
CONCRETE WALL NOTES:

1. SEE GENERAL STRUCTURAL NOTES FOR COVER AND OTHER REQUIREMENTS NOT NOTED IN SCHEDULE.
2. CONCRETE WALLS NOT DESIGNATED ON THE PLANS SHALL BE REINFORCED AS FOLLOWS:

THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
6"	#4 BARS AT 18"oc	#4 BARS AT 16"oc
8"	#4 BARS AT 18"oc	#4 BARS AT 12"oc
10"	#4 BARS AT 16"oc	#5 BARS AT 15"oc
12"	#4 BARS AT 18"oc EA FACE	#4 BARS AT 16"oc EA FACE

3. PLACE STEEL IN THE CENTER OF THE WALL (EXCEPT TYPE 'B' AND RETAINNING WALLS). WALLS THICKER THAN 10" SHALL HAVE TWO CURTAINS OF REINFORCEMENT (PLACED NEAR EACH FACE OF THE WALL), UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.

WALL REINFORCEMENT PLACEMENT TYPES:



TYPE "A" TYPE "B" TYPE "C" TYPE "D"

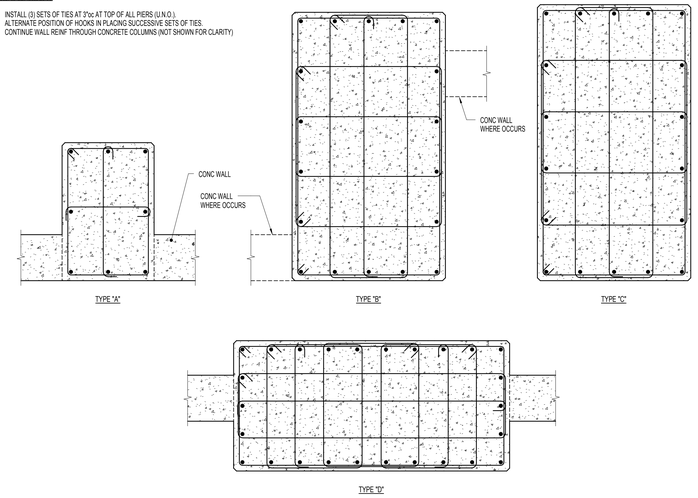
D2 / S601 CONCRETE WALL SCHEDULE
NO SCALE

CONCRETE PIER SCHEDULE

MARK	PIER SIZE	REINFORCING		TIES	COMMENTS
		VERTICAL	TIES		
CP -1	24" x36"	(8) #8	#3 AT16"oc	A	
CP -2	40" x70"	(30) #8	#3 AT16"oc	B	
CP -3	40" x72"	(30) #9	#3 AT18"oc	C	
CP -4	34" x72"	(26) #9	#3 AT16"oc	D	
CP -5	30" x38"	(12) #9	#3 AT14"oc	D	

CONCRETE PIER NOTES:

1. INSTALL (3) SETS OF TIES AT 3"oc AT TOP OF ALL PIERS (U.N.O.).
2. ALTERNATE POSITION OF HOOKS IN PLACING SUCCESSIVE SETS OF TIES.
3. CONTINUE WALL REINF THROUGH CONCRETE COLUMNS (NOT SHOWN FOR CLARITY)



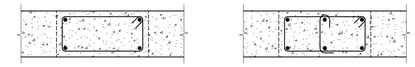
TYPE "A" TYPE "B" TYPE "C"

TYPE "D"

D3 / S601 CONCRETE PIER SCHEDULE
NO SCALE

CONCRETE COLUMN SCHEDULE

MARK	COLUMN SIZE	REINFORCING		TYPE	f'c
		VERTICAL	TIES		
CC-8x16	8" x 16"	(4) #6	#3 AT 3"oc	A	4000
CC-12x10.5	12" x 10.5"	(4) #6	#3 AT 4.5"oc	A	4000
CC-12x24	12" x 24"	(6) #7	#3 AT 5"oc	B	4000
CC-14x16	14" x 16"	(4) #6	#3 AT 6"oc	A	4000
CC-14x24	14" x 24"	(6) #7	#3 AT 6"oc	B	4000



TYPE (A)
(4) BARS

TYPE (B)
(6) BARS

D5 / S601 CONCRETE COLUMN SCHEDULE
NO SCALE

CONCRETE REINFORCING BAR LAP SPLICE SCHEDULE

BAR SIZE	f'c = 3000 PSI				f'c = 4000 PSI				f'c = 5000 PSI				f'c = 6000 PSI			
	REGULAR		TOP		REGULAR		TOP		REGULAR		TOP		REGULAR		TOP	
	CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
#3	17"	22"	22"	28"	15"	19"	19"	24"	13"	17"	17"	22"	12"	16"	16"	20"
#4	22"	29"	29"	38"	19"	25"	25"	33"	17"	22"	22"	29"	16"	21"	21"	27"
#5	28"	36"	36"	47"	24"	31"	31"	41"	22"	28"	28"	36"	20"	26"	26"	33"
#6	33"	43"	43"	56"	29"	37"	37"	49"	26"	34"	34"	43"	24"	31"	31"	40"
#7	49"	63"	63"	81"	42"	54"	54"	70"	37"	48"	48"	63"	35"	45"	45"	58"
#8	55"	72"	72"	93"	47"	62"	62"	80"	42"	55"	71"	71"	39"	51"	51"	66"
#9	62"	81"	81"	105"	53"	69"	69"	90"	48"	62"	62"	81"	44"	58"	58"	75"
#10	70"	91"	91"	118"	60"	78"	78"	101"	54"	70"	70"	91"	50"	65"	65"	84"
#11	78"	101"	101"	131"	67"	87"	87"	112"	60"	77"	77"	100"	55"	72"	72"	93"

CONCRETE REINFORCING BAR LAP SPLICE NOTES:

1. THIS SCHEDULE SHALL BE USED FOR ALL SPLICES, UNLESS NOTED OTHERWISE.
2. HORIZONTAL BARS ARE CLASSIFIED AS TOP BARS WHERE 12", OR MORE, OF FRESH CONCRETE IS CAST BELOW THE REINFORCING BARS.
3. CLASS 'B' SPLICES SHALL BE USED FOR ALL SPLICES UNLESS NOTED OTHERWISE.
4. TIES AND STIRRUPS SHALL NOT BE SPLICED.
5. FOR ALL LIGHTWEIGHT CONCRETE, LAP LENGTHS SHALL BE MULTIPLIED BY 1.3.
6. FOR ALL EPOXY COATED BARS, LAP LENGTHS SHALL BE MULTIPLIED BY 1.3 FOR TOP BARS AND 1.5 FOR REGULAR BARS.
7. LAP LENGTHS SHALL BE MULTIPLIED BY 1.25 AT SHEARWALL BOUNDARY ELEMENTS AT FOOTINGS AND AT MOMENT FRAME BEAMS TO COLUMNS.

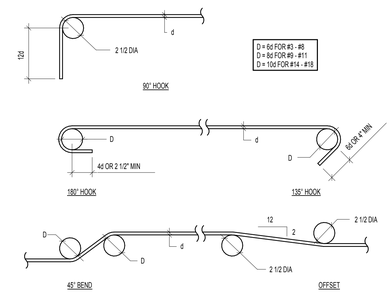
CONCRETE LINTEL SCHEDULE

MARK	THICKNESS	DEPTH	REINFORCING		REMARKS
			TOP AND BOTTOM	TIES	
CL-8x16	8"	1'- 4"	(3) #4	#3 AT 4"oc	
CL-12x24	12"	2'- 0"	(4) #7	#3 AT 7"oc	
CL-14x24	14"	2'- 0"	(4) #5	#3 AT 12"oc	

CONCRETE LINTEL NOTES:

1. LINTEL WIDTH AND MATERIAL TYPE SHALL BE THE SAME AS THE WALL IN WHICH THE LINTEL IS CONSTRUCTED.
2. TOP BARS MAY BE SPLICED AT THE MID-SPAN OF LINTELS ONLY.
3. BOTTOM BARS MAY BE SPLICED OVER SUPPORTS OF LINTELS ONLY.
4. TIES AND STIRRUPS MAY NOT BE SPLICED.

B4 / S601 CONCRETE LINTEL SCHEDULE
NO SCALE



B5 / S601 CONCRETE REINFORCING BAR LAP SPLICE SCHEDULE / BAR BENDING DIAGRAMS
NO SCALE

DEC. 03, 2010
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NOTE:
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DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Dunn Job #: 10004
Design By: Dunn Associates
Reviewed By: Chris Olson
Drawn By: Clayton Coster
Owner #: DFCM #06297640
Date: DEC. 03, 2010

SCHEDULES

S601

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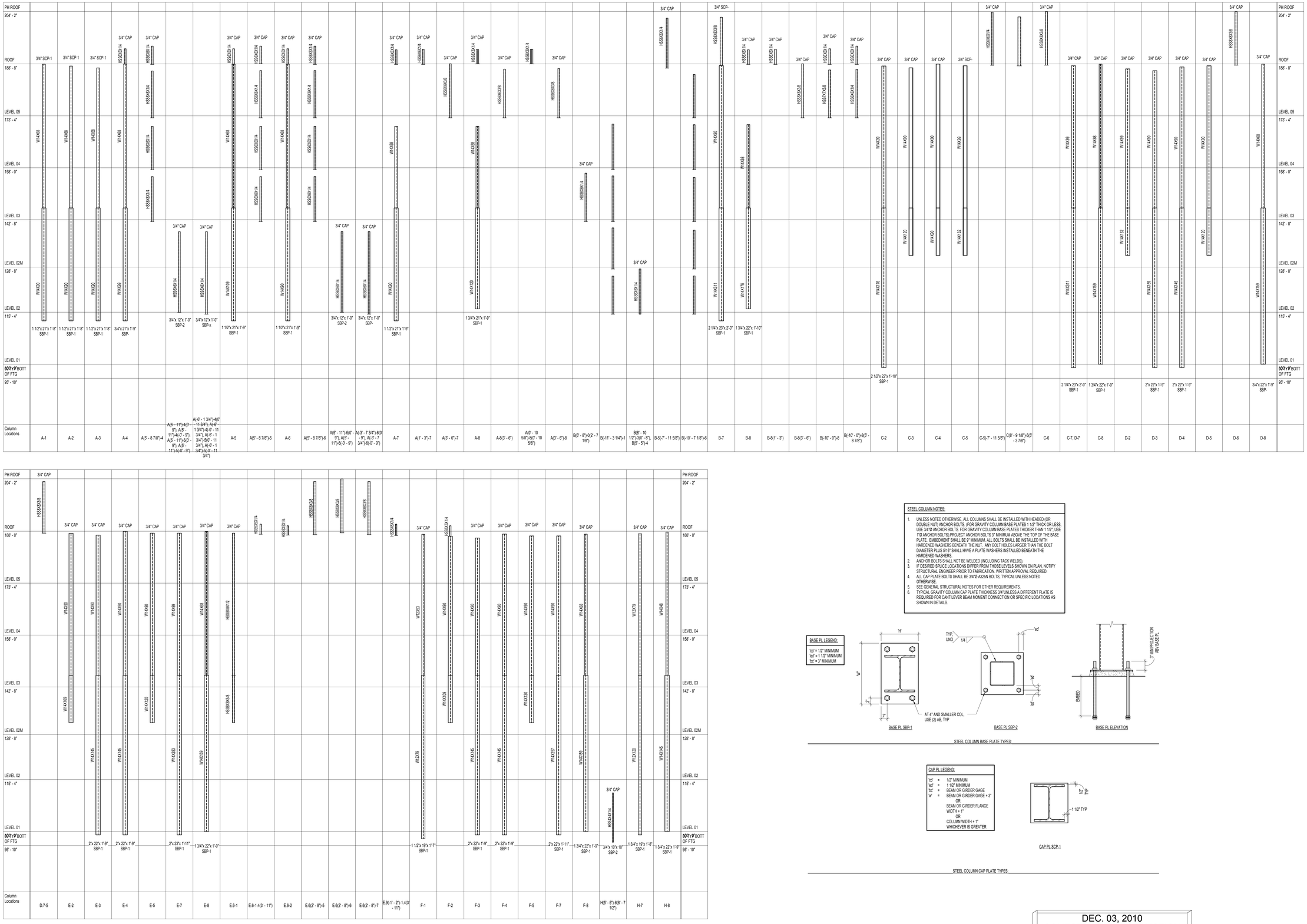

STEEL COLUMN NOTES:

1. UNLESS NOTED OTHERWISE, ALL COLUMNS SHALL BE INSTALLED WITH HEADED (OR DOUBLE NUT) ANCHOR BOLTS. (FOR GRAVITY COLUMN BASE PLATES 1 1/2" THICK OR LESS, USE 3/4"Ø ANCHOR BOLTS. FOR GRAVITY COLUMN BASE PLATES THICKER THAN 1 1/2", USE 1"Ø ANCHOR BOLTS) PROJECT ANCHOR BOLTS 3" MINIMUM ABOVE THE TOP OF THE BASE PLATE. EMBEDMENT SHALL BE 9" MINIMUM. ALL BOLTS SHALL BE INSTALLED WITH HARDENED WASHERS BENEATH THE NUT. ANY BOLT HOLES LARGER THAN THE BOLT DIAMETER PLUS 5/16" SHALL HAVE A PLATE WASHERS INSTALLED BENEATH THE HARDENED WASHERS.
2. ANCHOR BOLTS SHALL NOT BE WELDED (INCLUDING TACK WELDS)
3. IF DESIRED SPLICE LOCATIONS DIFFER FROM THOSE LEVELS SHOWN ON PLAN, NOTIFY STRUCTURAL ENGINEER PRIOR TO FABRICATION. WRITTEN APPROVAL REQUIRED.
4. ALL CAP PLATE BOLTS SHALL BE 3/4"Ø A325N BOLTS, TYPICAL UNLESS NOTED OTHERWISE.
5. SEE GENERAL STRUCTURAL NOTES FOR OTHER REQUIREMENTS.
6. TYPICAL GRAVITY COLUMN CAP PLATE THICKNESS 3/4"UNLESS A DIFFERENT PLATE IS REQUIRED FOR CANTILEVER BEAM MOMENT CONNECTION OR SPECIFIC LOCATIONS AS SHOWN IN DETAILS.

BASE PL LEGEND:

'co' = 1 1/2" MINIMUM
'ed' = 1 1/2" MINIMUM
'bc' = 3" MINIMUM

BASE PL SBP-1 | BASE PL SBP-2 | BASE PL ELEVATION

STEEL COLUMN BASE PLATE TYPES:

CAP PL LEGEND:

'co' = 1/2" MINIMUM
'ed' = 1 1/2" MINIMUM
'bc' = BEAM OR GIRDER GAGE
'w' = BEAM OR GIRDER GAGE + 3" OR BEAM OR GIRDER FLANGE WIDTH + 1" OR COLUMN WIDTH + 1" WHICHEVER IS GREATER

CAP PL SCP-1

STEEL COLUMN CAP PLATE TYPES:

A1 S602 STEEL COLUMN SCHEDULE
NO SCALE

DEC. 03, 2010
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STRUCTURAL ENGINEER CHRISTOPHER D. OLSON 295738 STATE OF UTAH
12/02/2010

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Dunn Job #:	10004
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

SCHEDULES

S602

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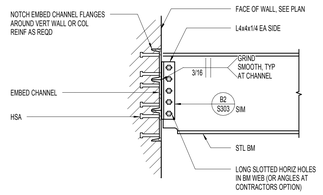
EMBED CHANNEL CONNECTION SCHEDULE

BEAM DEPTH	EMBED CHANNEL	ANCHORS
TO 10"	(1) C8x18.5 x 12"	(4) 3 /4"Ø x 6" HSA
TO 16"	(2) C8x18.5 x 12"	(8) 3 /4"Ø x 6" HSA
TO 24"	(3) C8x18.5 x 12"	(12) 3 /4"Ø x 6" HSA
TO 30"	(4) C8x18.5 x 12"	(16) 3 /4"Ø x 6" HSA

(1) FILLET WELDS SHALL BE ANGLE THICKNESS MINUS 1/16" (1/4" MIN)

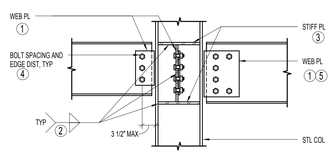


C5 S603 EMBED CHANNEL CONNECTION SCHEDULE
NO SCALE

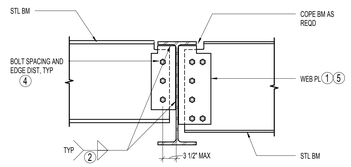
A-325 BOLT SCHEDULE

MAXIUMU BEAM SIZE IN EACH BEAM DEPTH GROUP	A-325N BOLTS	
	No. PER BEAM	SIZE
W8	2	7/8"Ø
W10	2	7/8"Ø
W12	3	7/8"Ø
W14	3	7/8"Ø
W16	4	7/8"Ø
W18	5	7/8"Ø
W21	6	7/8"Ø
W24	7	7/8"Ø
W27	7	7/8"Ø
W30	8	7/8"Ø
W33	9	7/8"Ø
W36	10	7/8"Ø
W40	11	7/8"Ø
W44	12	7/8"Ø

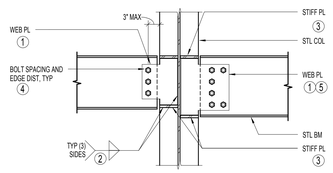
1. BEAM WEB CONNECTION PLATES. THICKNESS EQUALS THE BEAM WEB THICKNESS PLUS 1/8" (1/2" MIN).
2. FILLET WELDS SHALL BE AS FOLLOWS:
   ONE SIDE: PLATE THICKNESS MINUS 1/16" (1/4" MINIMUM)
   TWO SIDES: 1/2" PLATE THICKNESS PLUS 1/16" (1/4" MINIMUM) EACH SIDE.
3. THICKNESS EQUALS BEAM FLANGE THICKNESS OF BEAM FRAMING INTO COLUMN WEB (3/8" MINIMUM).
4. BOLT EDGE DISTANCE SHALL BE 1 3/4" MINIMUM AT ALL EDGES, BOLT SPACING SHALL BE 3" MINIMUM, UNLESS NOTED OTHERWISE.
5. WHEN MORE THAN ONE COLUMN OF BOLTS IS NEEDED, THE FIRST COLUMN SHALL BE COMPLETE WITH THE REMAINDER OF THE BOLTS PLACED IN THE SECOND COLUMN.
6. CLIP ANGLES: L5x3 1/2. THICKNESS SHALL BE EQUAL TO ONE HALF THE BEAM WEB THICKNESS PLUS 1/16" (1/4" MIN). FOR TWO ROWS OF BOLTS OR SKEWED CONNECTIONS, USE BENT PLATES. WHERE COLUMN WIDTH IS SMALLER THAN THE CONNECTING CLIP ANGLES, ANGLE LEGS MAY BE REDUCED TO MATCH WIDTH OF COLUMN.



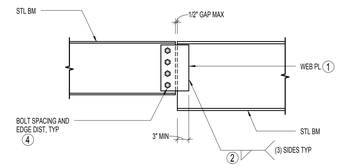
BEAM TO WIDE FLANGE COLUMN WEB PLATE CONNECTION



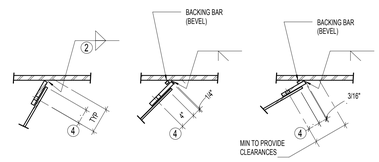
BEAM TO BEAM WEB PLATE CONNECTION



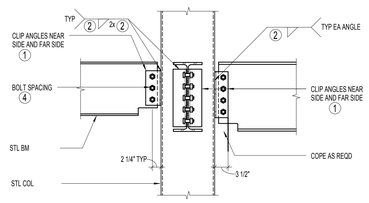
BEAM TO WIDE FLANGE COLUMN WEB PLATE CONNECTION



BEAM TO PARALLEL BEAM WEB PLATE CONNECTION

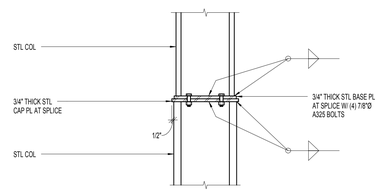


SHEAR CONNECTOR PLATES AT SKEWED MEMBERS

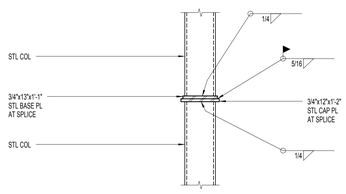


BEAM TO HSS CLIP ANGLE CONNECTION

B2 S603 TYPICAL BOLTED WEB PLATE CONNECTIONS WITH BOLT SCHEDULE (SINGLE SHEAR)
NO SCALE



A3 S603 TYPICAL BOLTED COLUMN SPLICE
NO SCALE



A4 S603 TYPICAL TUBE STEEL COLUMN SPLICE
NO SCALE

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12/02/2010
STATE OF UTAH

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SCHEDULES

S603

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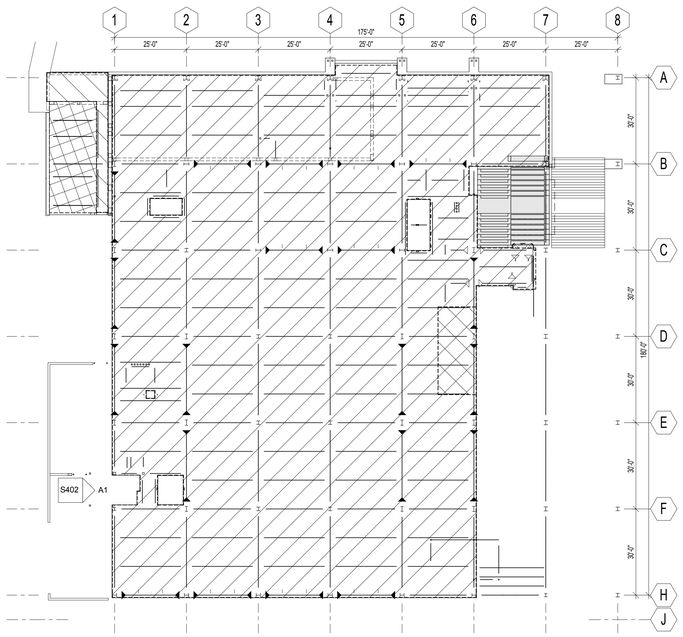
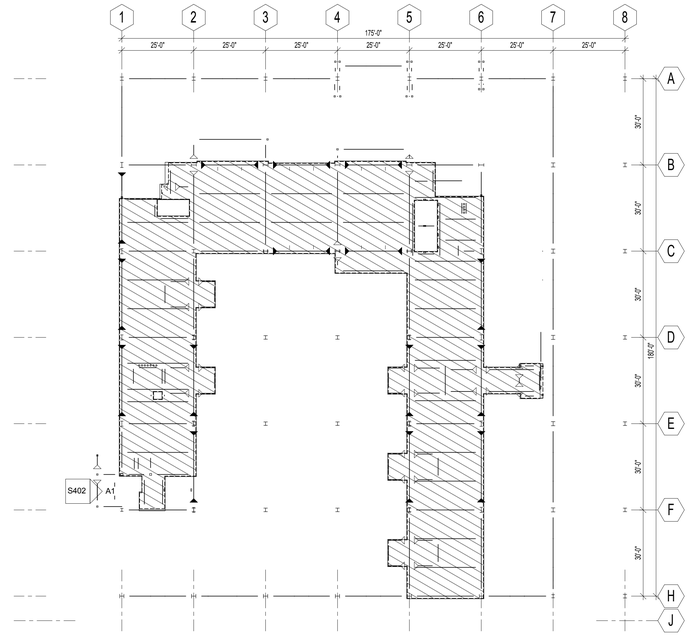
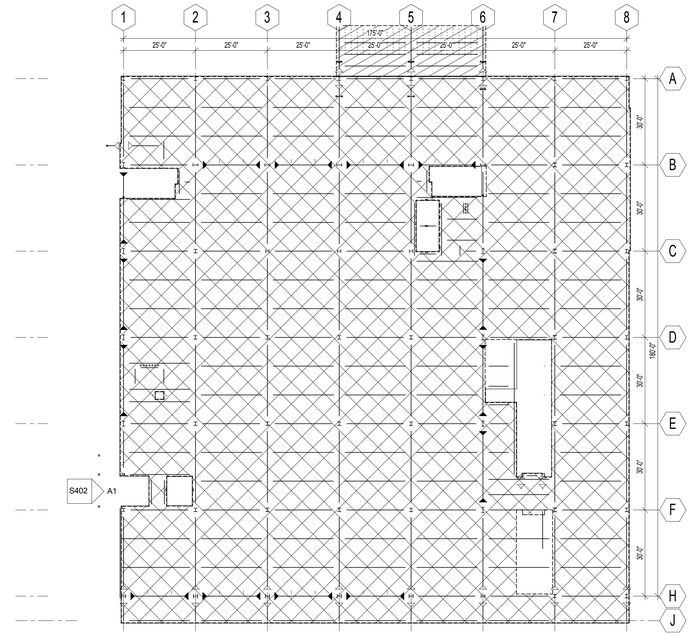


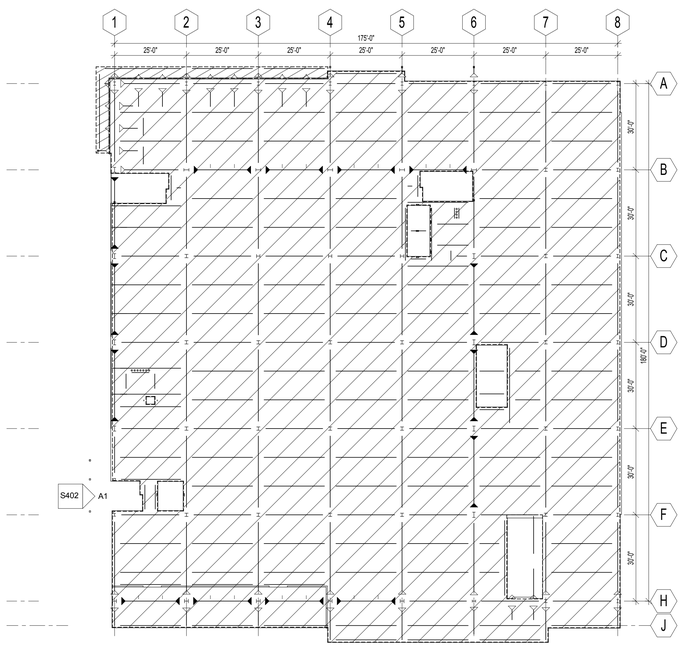
C1 / S604 LEVEL 02 - FLOOR FRAMING PLAN
3/64" = 1'-0"



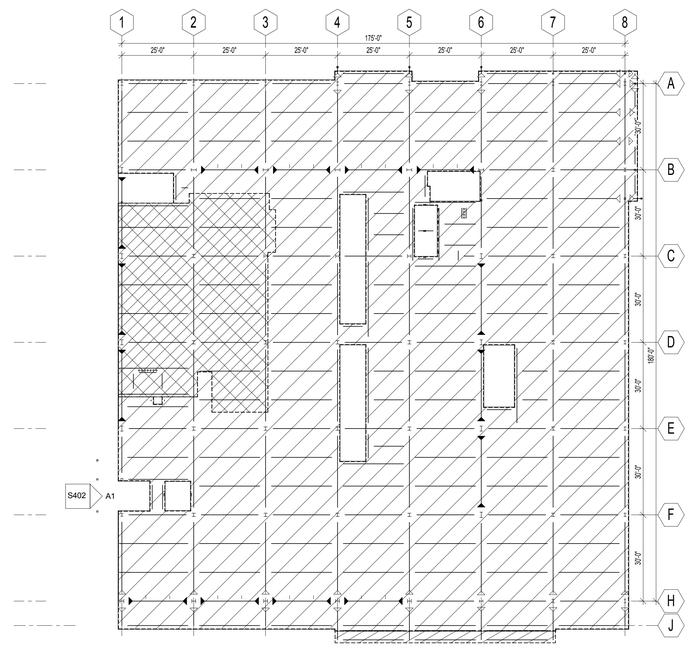
C3 / S604 LEVEL 02M - FLOOR FRAMING PLAN
NO SCALE



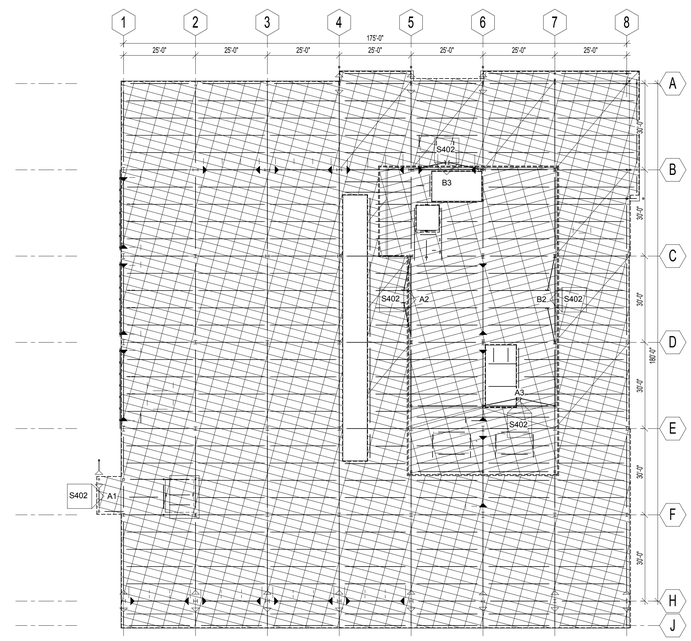
C5 / S604 LEVEL 03 - FLOOR FRAMING PLAN
NO SCALE



A1 / S604 LEVEL 04 - FLOOR FRAMING PLAN
NO SCALE



A3 / S604 LEVEL 05 - FLOOR FRAMING PLAN
NO SCALE



A5 / S604 ROOF LEVEL - FRAMING PLAN
NO SCALE

FLOOR LOADS DIAGRAM SCHEDULE

	DEAD LOAD	LIVE LOAD
TYPICAL FLOOR	85 psf	150 psf
HIGH DENSITY STORAGE	85 psf	300 psf
TUNNEL LID	115 psf	100 psf
TUNNEL GRATING	15 psf	100 psf
MEZZANINE	85 psf	100 psf
CANOPIES	25 psf	30 psf
DATA CENTER	85 psf	350 psf
TYPICAL ROOF	20 psf	22 psf
PENTHOUSE	100 psf	150 psf
PENTHOUSE ROOF	25 psf	45 psf

DEC. 03, 2010
CONFORMED CONSTRUCTION
DOCUMENTS BID SET

NOTE:
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12/02/2010

HOLLAND CENTENNIAL COMMONS

DIXIE STATE COLLEGE OF UTAH
DFCM #06297640
DIXIE COLLEGE, ST. GEORGE, UT
CONFORMED CONSTRUCTION DOCUMENTS BID SET

Rev #	Date	Description

Dunn Job #:	10004
Design By:	Dunn Associates
Reviewed By:	Chris Olson
Drawn By:	Clayton Coster
Owner #:	DFCM #06297640
Date:	DEC. 03, 2010

FLOOR LOADS DIAGRAM SCHEDULE

S604

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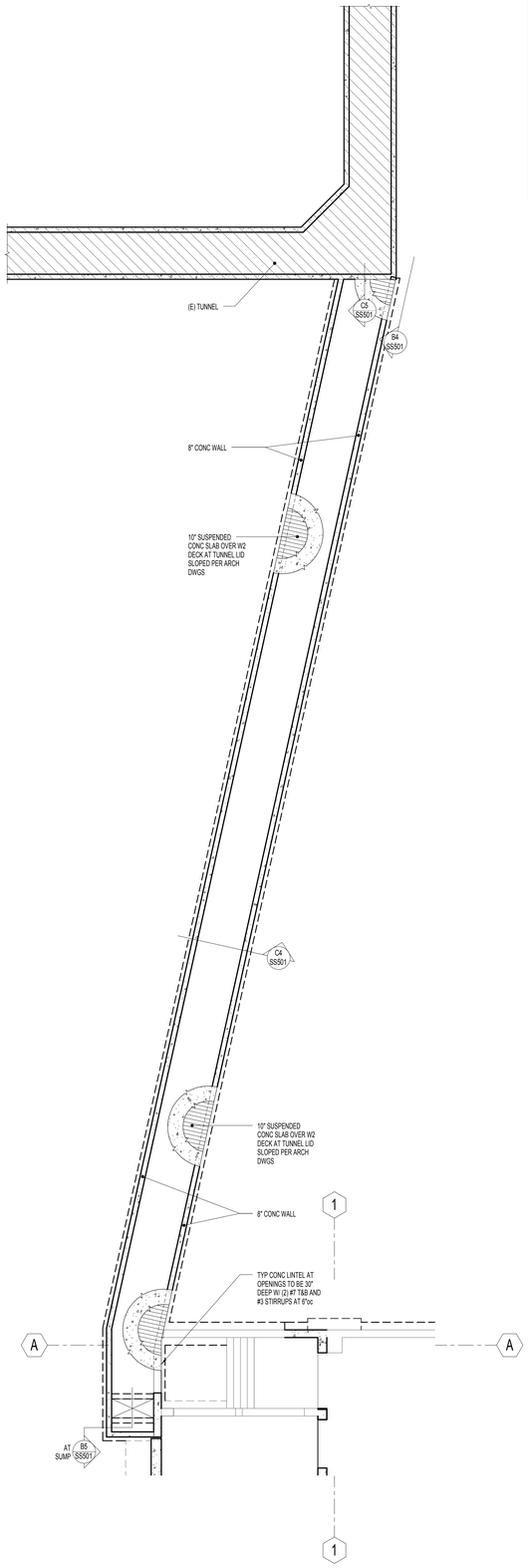


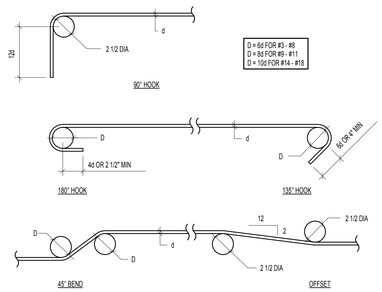
A3 SS501 TUNNEL FRAMING PLAN
NO SCALE

CONCRETE REINFORCING BAR LAP SPLICE SCHEDULE

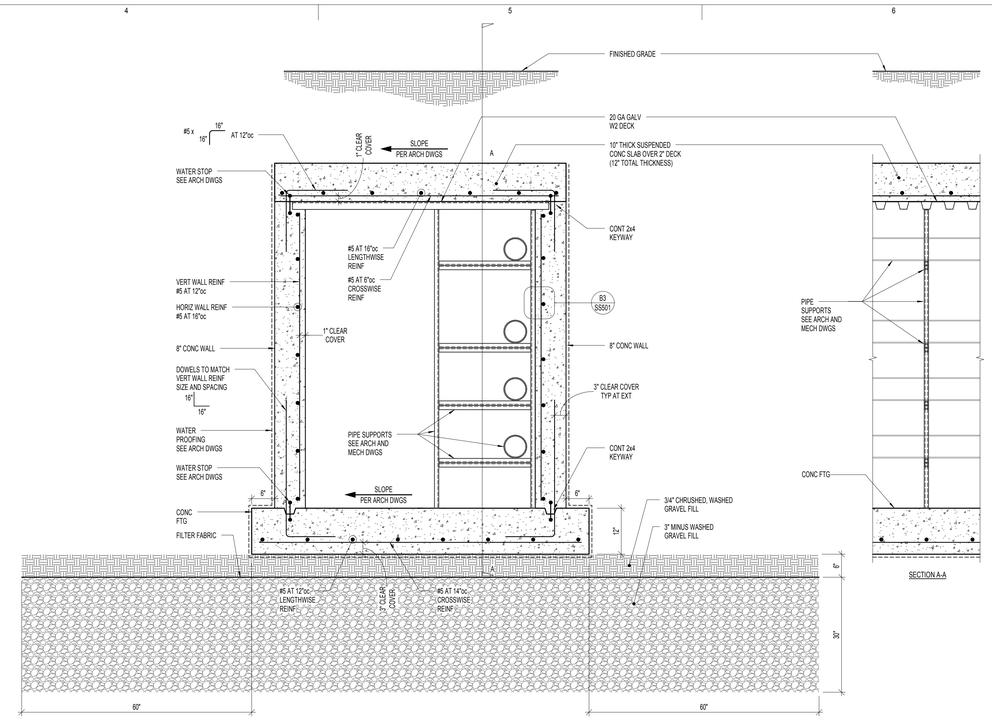
BAR SIZE	fc = 3000 PSI				fc = 4000 PSI				fc = 5000 PSI				fc = 6000 PSI			
	REGULAR		TOP		REGULAR		TOP		REGULAR		TOP		REGULAR		TOP	
	CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
#3	17"	22"	22"	28"	15"	19"	19"	24"	13"	17"	17"	22"	12"	16"	16"	20"
#4	22"	29"	29"	38"	19"	25"	25"	33"	17"	22"	22"	29"	16"	21"	21"	27"
#5	28"	36"	36"	47"	24"	31"	31"	41"	22"	28"	28"	36"	20"	26"	26"	33"
#6	33"	43"	43"	56"	29"	37"	37"	49"	26"	34"	34"	43"	24"	31"	31"	40"
#7	49"	63"	63"	81"	42"	54"	54"	70"	37"	48"	48"	63"	35"	45"	45"	58"
#8	55"	72"	72"	93"	47"	62"	62"	80"	42"	55"	71"	71"	39"	51"	51"	66"
#9	62"	81"	81"	105"	53"	69"	69"	90"	48"	62"	62"	81"	44"	58"	58"	75"
#10	70"	91"	91"	118"	60"	78"	78"	101"	54"	70"	70"	91"	50"	65"	65"	84"
#11	78"	101"	101"	131"	67"	87"	87"	112"	60"	77"	77"	100"	55"	72"	72"	93"

CONCRETE REINFORCING BAR LAP SPLICE NOTES:

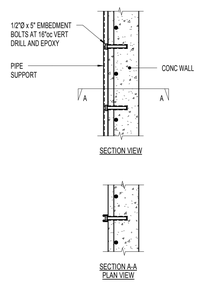
1. THIS SCHEDULE SHALL BE USED FOR ALL SPLICES, UNLESS NOTED OTHERWISE.
2. HORIZONTAL BARS ARE CLASSIFIED AS TOP BARS WHERE 12", OR MORE, OF FRESH CONCRETE IS CAST BELOW THE REINFORCING BARS.
3. CLASS 'B' SPLICES SHALL BE USED FOR ALL SPLICES UNLESS NOTED OTHERWISE.
4. TIES AND STIRRUPS SHALL NOT BE SPLICED.
5. FOR ALL LIGHTWEIGHT CONCRETE, LAP LENGTHS SHALL BE MULTIPLIED BY 1.3.
6. FOR ALL EPOXY COATED BARS, LAP LENGTHS SHALL BE MULTIPLIED BY 1.3 FOR TOP BARS AND 1.5 FOR REGULAR BARS.
7. LAP LENGTHS SHALL BE MULTIPLIED BY 1.25 AT SHEARWALL BOUNDARY ELEMENTS AT FOOTINGS AND AT MOMENT FRAME BEAMS TO COLUMNS.



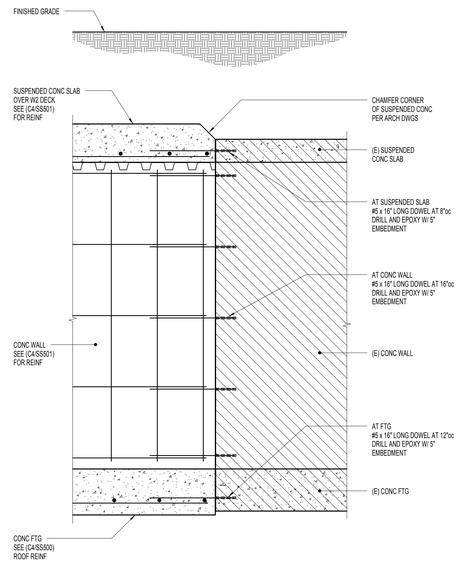
C3 SS501 CONCRETE REINFORCING BAR LAP SPLICE SCHEDULE / BAR BENDING DIAGRAMS
NO SCALE



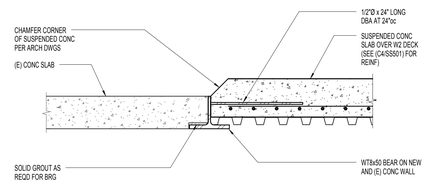
C4 SS501 UTILITY TUNNEL
NO SCALE



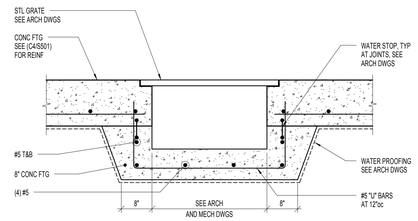
B3 SS501 PIPE SUPPORT CONNECTION TO CONCRETE
NO SCALE



B4 SS501 NEW UTILITY TUNNEL TO EXISTING UTILITY TUNNEL
NO SCALE



C5 SS501 EXISTING LID TO NEW LID DETAIL
NO SCALE



B5 SS501 TUNNEL SUMP DETAIL
NO SCALE

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TUNNEL PLAN AND DETAILS

SS501

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