SALT LAKE COMMUNITY COLLEGE
ADMINISTRATION BUILDING BASEMENT LEVEL
MDC AND MAIL ROOM AREA REMODEL

SALT LAKE COMMUNITY COLLEGE

4600 SOUTH REDWOOD ROAD

TAYLORSVILLE, UTAH

DFCM PROJECT NO. 09003660

State of Utah– Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4110 State Office Building / Salt Lake City, Utah 84114 / 538–3018

July 21st, 2009

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architecture planning design

CONSULTANT:

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT
REVIEWED FOR CODE COMPLIANCE
SIGNATURE: FC
DATE: 10-13-09

PROJECT TITLE:

SALT LAKE
COMMUNITY COLLEGE
ADMINISTRATION BUILDING
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TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

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SHEET TITLE

COVER SHEET

SHEET NUMBER

AG-1000

SALT LAKE COMMUNITY COLLEGE
ADMINISTRATION BUILDING BASEMENT LEVEL
MDC AND MAIL ROOM AREA REMODEL

SALT LAKE COMMUNITY COLLEGE

4600 SOUTH REDWOOD ROAD

TAYLORSVILLE, UTAH

DFCM PROJECT NO. 09003660

ABBREVIATIONS

Reference to materials or methods have been made on the drawings in accordance with the following abbreviations:

#	NUMBER	GWB.	GYPSUM WALL BOARD
'	FEET	GYP. BD.	GYPSUM WALL BOARD
"	INCHES	HC.	HANDICAPPED
&	AND	HDW.	HARDWARE
@	AT	H.M.	HOLLOW METAL
Ø	DIAMETER	HORIZ.	HORIZONTAL
ADJ	ADJUSTABLE	HR.	HOUR
AFF	ABOVE FINISH FLOOR	HT.	HEIGHT
ALUM	ALUMINUM	HVAC	HEATING/VENTILATION/ AIR CONDITIONING
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	HYD	HYDRANT
ATS	AUTOMATIC TRANSFER SWITCH	I.D.	INSIDE DIAMETER
		INFO	INFORMATION
BD	BOARD	INSUL.	INSULATION
BITUM.	BITUMINOUS	LAV.	LAVATORY
BLDG	BUILDING	LT.	LIGHT
B.M.	BENCHMARK	MATL.	MATERIAL
B.O.	BOTTOM OF	MAX.	MAXIMUM
BRG.	BEARING	MECH.	MECHANICAL
BTWN.	BETWEEN	MFR.	MANUFACTURER
CER.	CERAMIC	MIN.	MINIMUM
CJ	CONSTRUCTION JOINT	MISC.	MISCELLANEOUS
CLG.	CEILING	M.O.	MASONRY OPENING
CLR.	CLEAR	MTL.	METAL
CMU	CONCRETE MASONRY UNIT	NIC	NOT IN CONTRACT
COL.	COLUMN	NO.	NUMBER
CONC.	CONCRETE	N.T.S.	NOT TO SCALE
CONT.	CONTINUOUS	O.C.	ON CENTER
CONST.	CONSTRUCTION	O.D.	OUTSIDE DIAMETER
COORD.	COORDINATE	O.H.	OVERHEAD
CTJ	CONTRACTION JOINT	OPP.	OPPOSITE
DBL.	DOUBLE	PART.	PARTITION
DPW	DIRECTOR OF PUBLIC WORKS	PERP.	PERPENDICULAR
DIA.	DIAMETER	PL.	PLATE
DPG	DUGWAY PROVING GROUND	PNTD.	PAINTED
DTL.	DETAIL	PSI	POUNDS PER SQUARE INCH
DWGS.	DRAWINGS	R.D.	ROOF DRAIN
EA.	EACH	RAD.	RADIUS
EJ	EXPANSION JOINT	REINF.	REINFORCED
ELEV.	ELEVATION	REQ'D	REQUIRED
EQ.	EQUAL	RET.	RETURN
E.S.	EACH SIDE	REV.	REVERSED
EXIST.	EXISTING	RM.	ROOM
EXPAN.	EXPANSION	R.O.	ROUGH OPENING
EXT.	EXTERIOR	SCHED.	SCHEDULE
E.W.C.	ELECTRIC WATER COOLER	SHR.	SHOWER
F.D.	FLOOR DRAIN	SHT.	SHEET
FDN.	FOUNDATION	SIM.	SIMILAR
F.E.	FIRE EXTINGUISHER	SPEC.	SPECIFICATION
F.E.C.	FIRE EXTINGUISHER CABINET	STD.	STANDARD
F.F.	FINISH FLOOR	STR.	STRUCTURAL
FIN.	FINISH	SUSP.	SUSPENDED
FLR.	FLOOR	THRU	THROUGH
F.L.	FLOW LINE	T.O.	TOP OF
FTG.	FOOTING	T.O.A.	TOP OF ASPHALT
GA.	GAGE	T.O.C.	TOP OF CURB
GALV.	GALVANIZED	T.O.F.	TOP OF FOOTING
GF–CI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED	T.O.S.	TOP OF SLAB OR SIDEWALK
		T.O.W.	TOP OF WALL
GF–GI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED	TYP.	TYPICAL
		VERT.	VERTICAL
G.I.	GALVANIZED STEEL	VEST.	VESTIBULE
GND.	GROUND	W/	WITH
GOVT.	GOVERNMENT	WD	WOOD

DESIGN TEAM

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GRAPHIC KEY

CONCRETE — ASPHALT PAVING — FINISH LUMBER
GRAVEL — STEEL STUD PARTITION — WOOD FRAMING
MASONRY — CERAMIC TILE — PLYWOOD

DETAIL: 01 / A-2 — DETAIL NUMBER; SHEET ON WHICH DETAIL APPEARS
01 / A-4 — SECTION NUMBER; SHEET ON WHICH SECTION APPEARS
INTERIOR ELEVATION: A, B, C, D — ELEVATION VIEW; 01 / A-7 — DETAIL NUMBER; SHEET ON WHICH DETAIL APPEARS

01 — PARTITION TYPE
101 — DOOR NUMBER
(A) — WINDOW TYPE

LIST OF DRAWINGS

GENERAL
- AG-1000 COVER SHEET
- AG-1001 COVER SHEET AND GENERAL INFORMATION
- AG-1002 OCCUPANT LOAD PLAN
- AG-1003 EXITING PLAN
- AG-1004 EXISTING OCCUPANCY PLAN

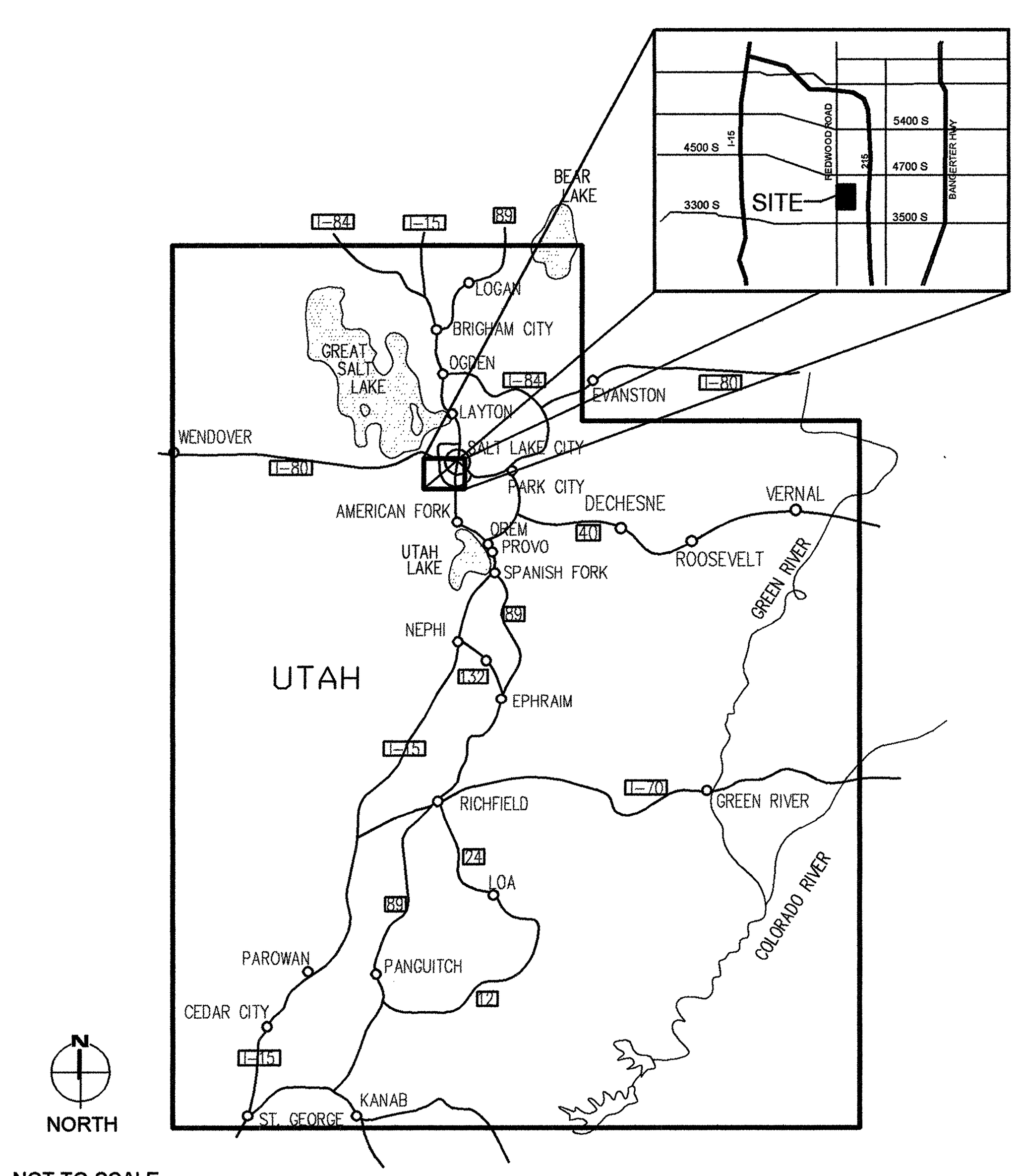
ARCHITECTURAL
- A-SP100 SITE PLAN
- A-PP101 CONSTRUCTION PHASING PLAN
- A-DP100 DEMOLITION FLOOR PLAN
- A-DP101 DEMOLITION CEILING PLAN
- A-FP100 NEW FLOOR PLAN
- A-CP101 NEW REFLECTED CEILING PLAN
- A-DP102 DIMENSIONAL FLOOR PLAN
- A-FP103 RATED WALL ASSEMBLY PLAN
- A-MS300 INTERIOR STAIR SECTIONS AND ELEVATIONS
- A-MS301 EXTERIOR STAIR SECTIONS AND ELEVATIONS
- A-SD400 STAIR DETAILS
- A-DT500 DOOR AND FINISH SCHEDULES, DOOR AND WINDOW TYPES
- A-DT501 CEILING, DOOR AND WINDOW DETAILS
- A-DT502 DOOR AND MISC. DETAILS, WALL TYPES AND ENLARGED PLANS
- A-IE600 INTERIOR ELEVATIONS
- A-IE601 CASEWORK SECTIONS

STRUCTURAL
- S-100 STRUCTURAL DEMOLITION PLAN
- S-101 FOUNDATION PLAN
- S-200 STRUCTURAL DETAILS
- S-201 SPECIAL INSPECTIONS

MECHANICAL
- M001 MECHANICAL SYMBOLS AND ABBREVATIONS
- MD101 MECHANICAL DEMOLITION FLOOR PLAN
- M101 MECHANICAL FLOOR PLAN
- M401 LARGE SCALE MECHANICAL ROOM PLAN
- M501 MECHANICAL DETAILS
- M502 MECHANICAL DETAILS
- M601 MECHANICAL SCHEDULES
- M602 MECHANICAL SCHEDULES
- MP101 MECHANICAL PIPING FLOOR PLAN

ELECTRICAL
- ED101 ELECTRICAL DEMOLITION FLOOR PLAN
- EL101 ELECTRICAL LIGHTING FLOOR PLAN
- EP101 ELECTRICAL EQUIPMENT FLOOR PLAN
- E601 ELECTRICAL SYMBOLS
- FA101 FIRE ALARM PLANS

VICINITY MAP



NOT TO SCALE

DFCM DESIGN AND CODE CRITERIA

APPLICABLE CODES	Year		Year
International Building Code	2006	National Electrical Code	2008
International Mechanical Code	2006	Uniform Code for Building Conservation	2006
International Plumbing Code	2006	ADA Accessibility Guildelines	2006
International Fire Code	2006		
International Energy Conservation Code	2006		

A. Occupancy and Group: B, S–1, A–3

Change in Use: Yes YES No ___ Mixed Occupancy: Yes ___ No NO

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: 1 HOUR South: 1 HOUR East: 1 HOUR West: 1 HOUR

E. Mixed Occupancies: YES Nonseparated Uses: NO

F: Sprinklers:
Required: NO Provided: YES, IN BASEMENT ONLY Type of Sprinkler System: WET PIPE

G: Number of Stories: 3 ABOVE GRADE Building Height: ___

H: Actual Area Of Lower Level (square feet): 21,131 square feet

I: Actual Area of Remodeled Area: 6700 square feet

J: Tabular Area: 19,000 square feet and 4 levels

K: Area Modifications: (A_t =19,000, I_f =.75, I_s = 0; F/P =1, W =30)

a) $A_a = A_t + \left[\frac{A_t I_f}{100}\right] + \left[\frac{A_t I_s}{100}\right]$ $\qquad I_f = 100\left[\frac{F}{P} - 0.25\right]\frac{W}{30}$ — $I_f = .75$

b) Sum of the Ratio Calculations for Mixed Occupancies:

$\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1$

c) Total Allowable Area for:

1) Four Stories: 33,250 SQUARE FEET EACH

d) Unlimited Area Building: Yes ___ No X Code Section: N/A

M. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	2	–	Floors - Ceiling Floors	0	–
Interior Bearing Walls	0	–	Roofs - Ceiling Roofs	0	–
Exterior Non-Bearing Walls	0	–	Exterior Doors and Windows	0	–
Structural Frame	0	–	Shaft Enclosures	N/A	–
Partitions - Permanent	0	–	Fire Walls	0	–
Fire Barriers	0	–	Fire Partitions	0	–
			Smoke Partitions	0	–

N. Design Occupant Load: 135.68 total occupants
Exit Width Required: 3'–8" Exit Width Provided: 5'–0" & 4'–6"

O. Minimum Number of Required Plumbing Facilities:
a) Water Closets - Required (m) 3 (f) 3 Provided (m) 3 (f) 3
b) Lavatories - Required (m) 2 (f) 2 Provided (m) 2 (f) 2
c) Bath Tubs or Showers: N/A
d) Drinking Fountains: 2 Provided Service Sinks: 1 Provided

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.
3) Every structure , and portion thereof, including nonstructrual 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 and IBC Section 1613.1
4) Deferred Submittals As Listed Below To Be Submitted To The Building Official
   a) There are no dererred submittals

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STATE OF UTAH — SCOTT PRIOR — 261110 — 7/21/09 — LICENSED ARCHITECT

architecture planning design

CONSULTANT:

PROJECT TITLE:
SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

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SHEET TITLE

GENERAL INFORMATION

SHEET NUMBER

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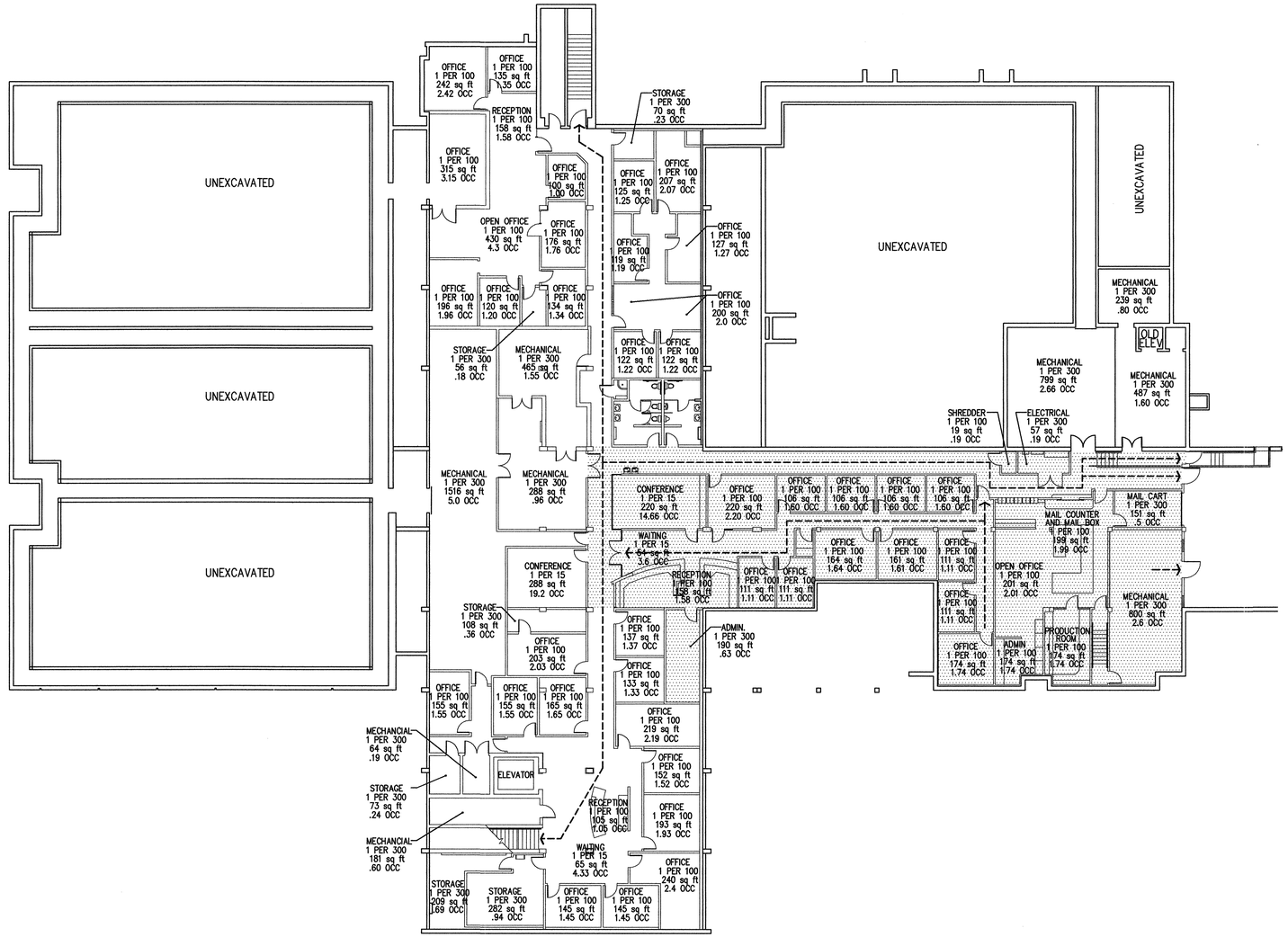


PLAN NORTH

01 AG1002 CODE ANALYSIS OCCUPANCY LOAD FLOOR PLAN

SCALE 1/16" = 1'-0"

OCCUPANCY LOAD

1. OCCUPANCY LOAD REMODELED AREA = 49.46 OCCUPANTS
2. OCCUPANCY LOAD REMAINING AREA = 86.22 OCCUPANTS

TOTAL = 135.68 OCCUPANTS

FIXTURE REQUIREMENTS

1. 135.68 / 2 = 67.84 MALE AND 67.84 FEMALE OCCUPANTS
2. 67.84 MALE OCCUPANTS 3 FIXTURES REQUIRED 3 FIXTURES PROVIDED TWO LAVATORIES PROVIDED
3. 67.84 FEMALE OCCUPANTS 3 FIXTURES REQUIRED 3 FIXTURES PROVIDED TWO LAVATORIES PROVIDED
4. ONE SERVICE SINK PROVIDED

LEGEND

EGRESS PATH

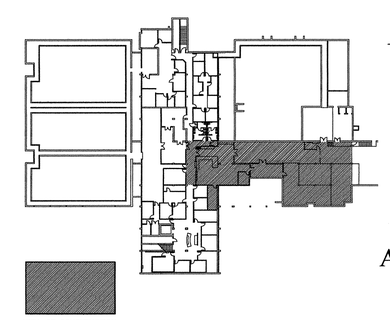
HATCH PATTERN INDICATES AREA OF REMODEL.

SQUARE FOOTAGES

FLOOR LEVEL		EXISTING OCCUPANCIES
BASEMENT LEVEL:	21,131 SQUARE FEET	"B" AND "S-1"
MAIN LEVEL:	45,463 SQUARE FEET	"B" AND "A-3"
LEVEL TWO:	15,575 SQUARE FEET	"B"
LEVEL THREE:	15,575 SQUARE FEET	"B"

GENERAL NOTES

1. BUILDING WAS ORIGINALLY CONSTRUCTED IN 1965
2. ORIGINAL USE OF BASEMENT WAS FOR STORAGE AND SHIPPING AND RECEIVING
3. THE BASEMENT USE WAS LATER CHANGED FOR PARKING. AT THIS TIME, I AM ASSUMING THE FIRE SPRINKLER SYSTEM WAS THEN INSTALLED.
4. AT SOME LATER POINT, THE BASEMENT WAS CHANGED TO A "B" AND "S-1" OCCUPANCY AND THIS IS IS CURRENT CONDITION.
5. REQUIRED RATED ASSEMBLY BETWEEN A "B" AND AN "A-3" IS 3 HOURS BUT, NO FIRE SEPERATION EXISTS.
6. ABOVE THE BASEMENT LEVEL IS A "B" AND A-3" OCCUPANCY. THIS IS SEPERATED BY A CONCRETE SLAB AND PAN SYSTEM 4½" THICK.
7. THE EXISTING BASEMENT LEVEL IS PROTECTED WITH A AUTOMATIC FIRE SUPRESSION SYSTEM. LEVELS ABOVE ARE NOT.
8. EXISTING BUILDING INCLUDING BASEMENT LEVEL CORRIDORS ARE NOT CURRENTLY RATED.



KEY PLAN BUILDING

SCALE 1/64" = 1'-0"

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STATE OF UTAH KENT A. PAS 261110 LICENSED ARCHITECT

architecture planning design

CONSULTANT:

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL 4600 SOUTH REDWOOD ROAD TAYLORSVILLE, UTAH

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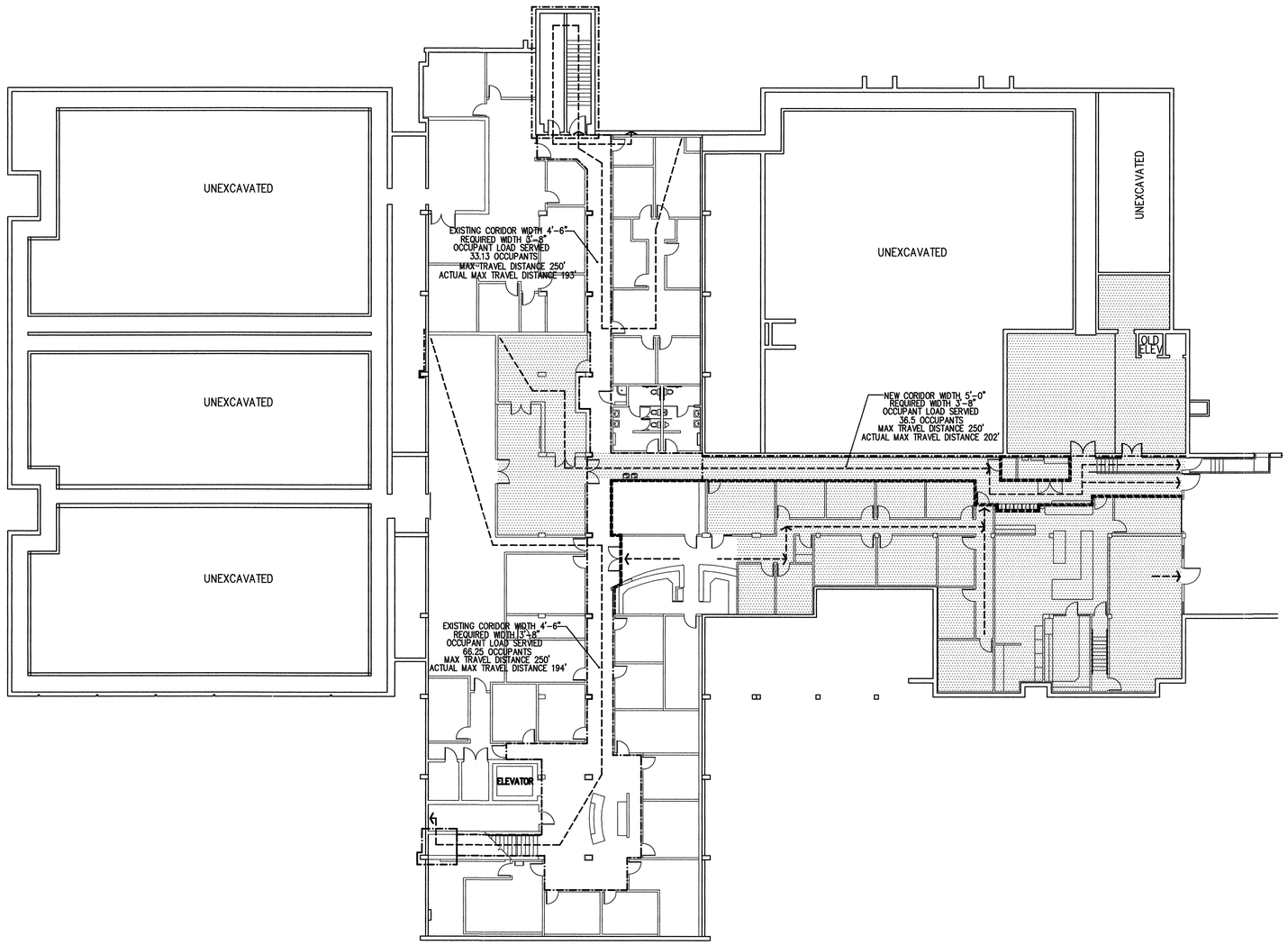
SHEET TITLE

OCCUPANT LOAD PLAN

SHEET NUMBER

AG-1002



PLAN NORTH

01 AG1003 EXITING FLOOR PLAN

SCALE 1/16" = 1'-0"

OCCUPANCY LOAD

1. OCCUPANCY LOAD REMODELED AREA = 49.46 OCCUPANTS
2. OCCUPANCY LOAD REMAINING AREA = 86.22 OCCUPANTS

TOTAL = 135.68 OCCUPANTS

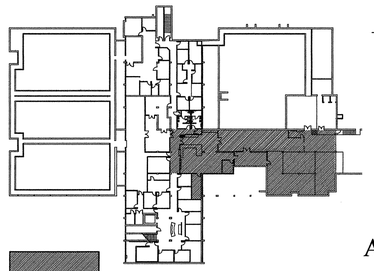
LEGEND

EGRESS PATH

RATED ASSEMBLIES

EXISTING 1 HOUR RATED ASSEMBLIES

NEW 1 HOUR RATED ASSEMBLIES



AREA OF CONSTRUCTION

KEY PLAN BUILDING

SCALE 1/64" = 1'-0"

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STATE OF UTAH 261110 LICENSED ARCHITECT

architecture planning design

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EXITING PLAN

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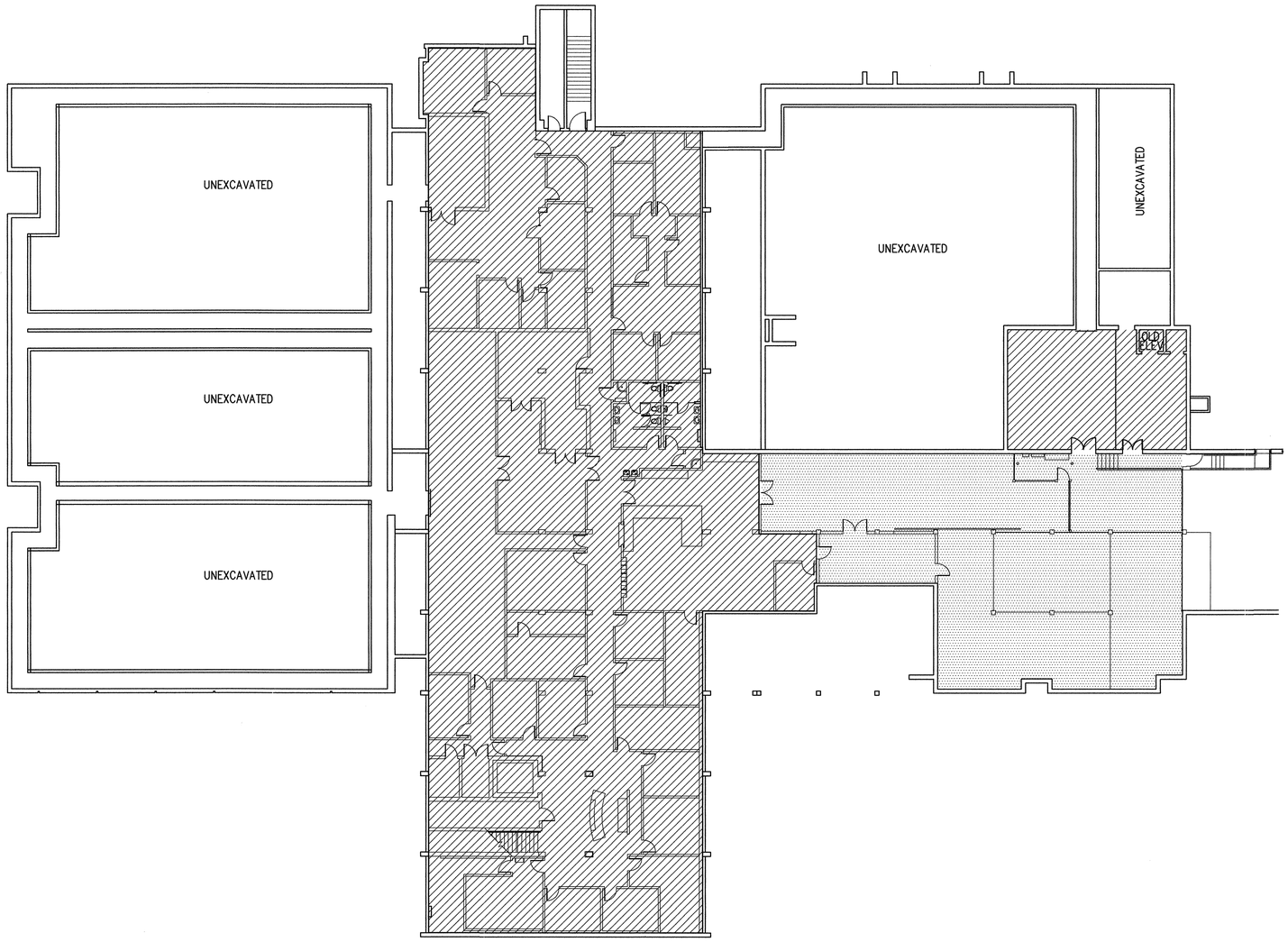
AG-1003

EXISTING OCCUPANCY

HATCH PATTERN INDICATES AREA OF S-1 OCCUPANCY.

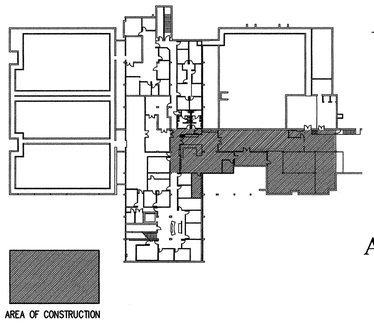
HATCH PATTERN INDICATES AREA OF S-1 OCCUPANCY.



PLAN NORTH

01 AG1004 EXITING FLOOR PLAN OCCUPANCY TYPE

SCALE 1/16" = 1'-0"



AREA OF CONSTRUCTION

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STATE OF UTAH LICENSED ARCHITECT 26110 7/2/09

architecture planning design

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EXISTING OCCUPANCY TYPE PLAN

SHEET NUMBER

AG-1004

LEGEND

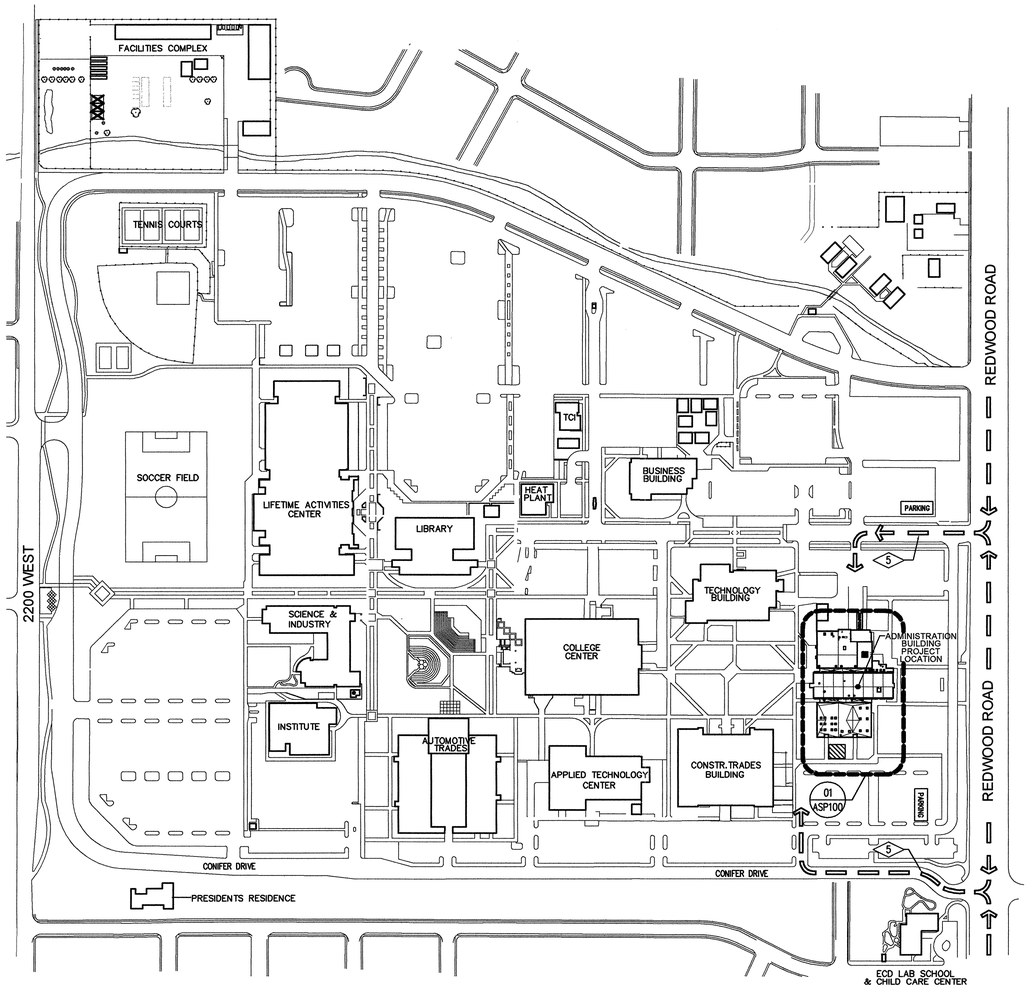
PARKING	CONTRACTOR PARKING AREA
DUMPSTER	CONTRACTORS DUMPSTER LOCATION
	PROJECT LOCATION
	CONTRACTOR VEHICLE ACCESS TO CONSTRUCTION SITE
	ADA ACCESS TO BUILDING 30 ADA PARKING STALLS PROVIDED 4 ADA VAN PARKING STALLS PROVIDED

GENERAL NOTES

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY SIDEWALK, CURB & GUTTER, ASPHALT, LANDSCAPING ETC. DISTURBED OR DESTROYED DURING CONSTRUCTION.
2. CONTRACTOR SHALL MAINTAIN EMERGENCY AND UTILITY VEHICLE ACCESS AT ALL TIMES TO ALL EXISTING BUILDINGS AND BUILDING ENTRANCES
3. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO BIDDING.
4. GENERAL CONTRACTOR SHALL PROTECT EXISTING BUILDING FROM DAMAGE DURING CONSTRUCTION.
5. EXISTING DRIVE APPROACHES TO REMAIN CLEAR AT ALL TIMES
6. ALL EXISTING SIDEWALKS TO REMAIN CLEAR AT ALL TIMES
7. ALL EXISTING CONCRETE AND ASPHALT PATHWAYS TO REMAIN OPEN TO PEDESTRIANS AND VEHICLES AT ALL TIMES DURING CONSTRUCTION
8. GENERAL CONTRACTOR SHALL PROTECT EXISTING BUILDING FROM DAMAGE DURING CONSTRUCTION.
9. GENERAL CONTRACTOR SHALL PROVIDE SELF CONTAINED TOILET FACILITIES AS PER SPECIFICATION DURING CONSTRUCTION.

REFERENCE NOTES

1. PROJECT LOCATION
2. GENERAL CONTRACTOR SHALL PROVIDE SELF CONTAINED TOILET FACILITIES AS PER SPECIFICATION DURING CONSTRUCTION.
3. EXISTING CONCRETE AND ASPHALT PATHWAYS TO REMAIN OPEN TO PEDESTRIANS AND VEHICLES AT ALL TIMES DURING CONSTRUCTION
4. GENERAL CONTRACTORS PARKING AREA
5. CONTRACTOR VEHICLE ACCESS TO CONSTRUCTION SITE
6. EXISTING DRIVE APPROACHES TO REMAIN CLEAR AT ALL TIMES
7. EXISTING SIDEWALKS TO REMAIN CLEAR AT ALL TIMES
8. EXISTING AREA OF LANDSCAPING NOT TO BE DISTURBED
9. EXISTING ADA VAN PARKING STALL
10. EXISTING ADA CURB RAMPS
11. EXISTING BUILDING ELEVATOR

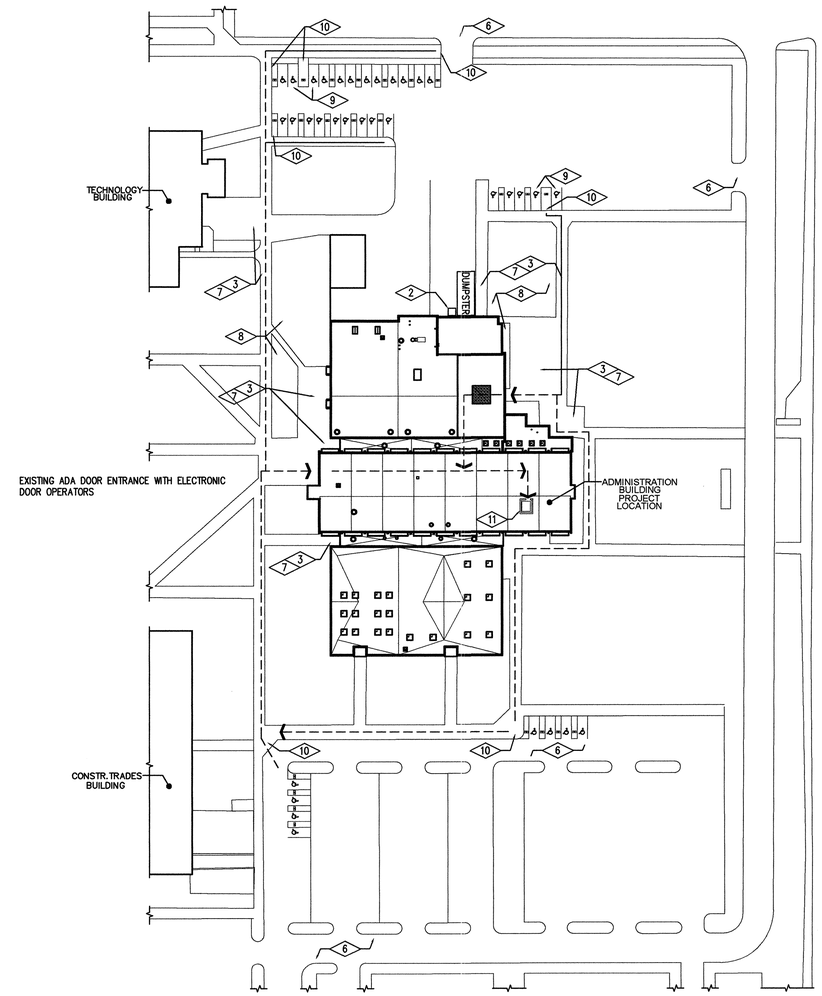


Salt Lake Community College

PLAN NORTH

01 ASP100 CAMPUS PLAN AND PROJECT LOCATION

SCALE N.T.S.



PLAN NORTH

01 ASP100 SITE PLAN

SCALE N.T.S.

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
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STATE OF UTAH LICENSED ARCHITECT 261110

architecture planning design

CONSULTANT:

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL 4600 SOUTH REDWOOD ROAD TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 21st July, 2009

DFCM PROJECT NO: 09003660
CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: ZACK
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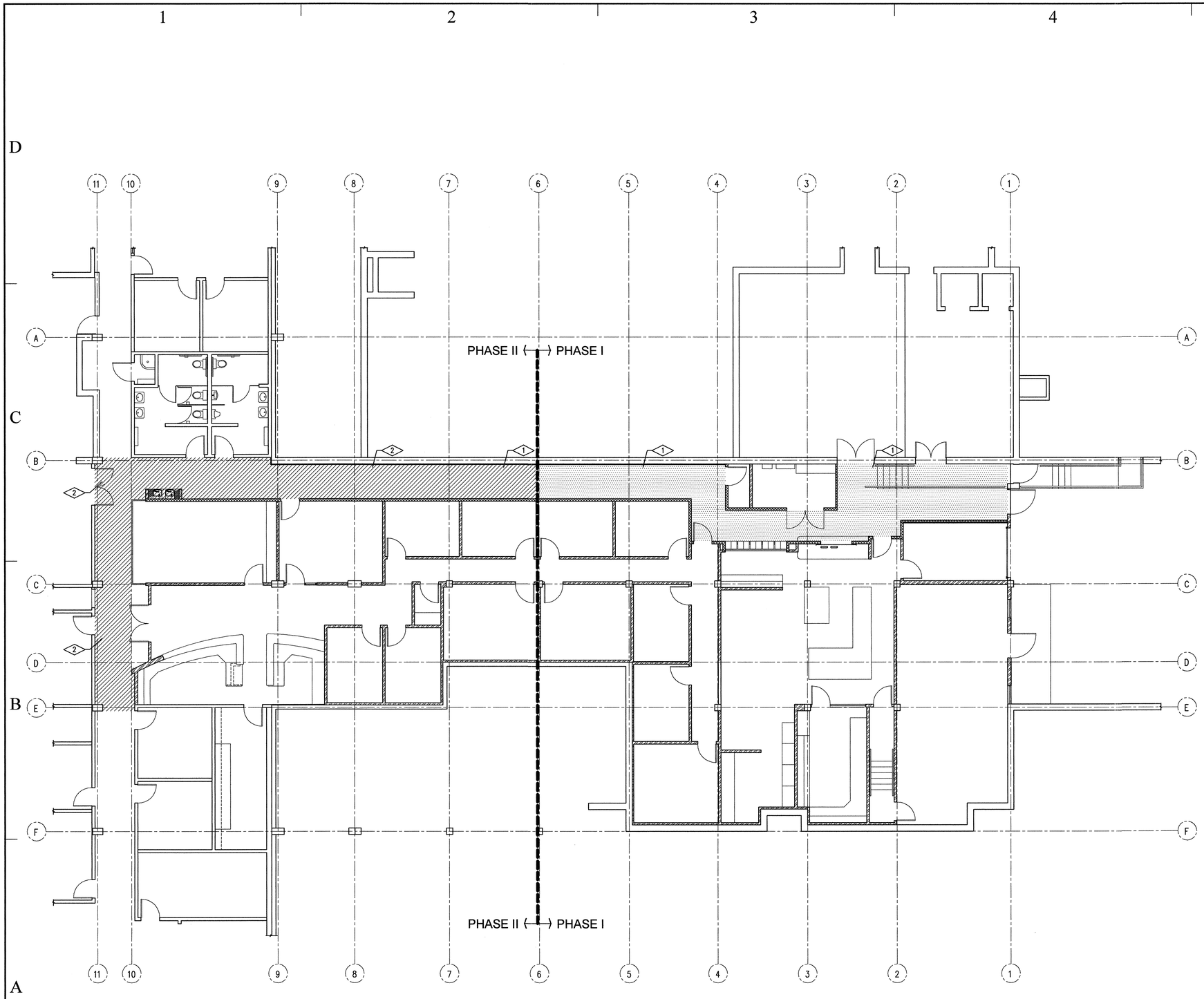
SHEET TITLE

SITE PLAN

SHEET NUMBER

A-SP100



PLAN NORTH

01 APP101 CONSTRUCTION FLOOR PHASING PLAN

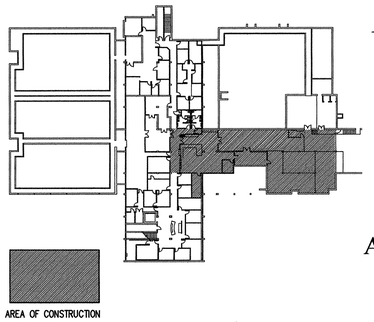
SCALE 1/8" = 1'-0"

REFERENCE NOTES

1. DURING CONSTRUCTION THE GENERAL CONTRACTOR SHALL PROVIDE ACCESS FOR DELIVERIES AND MAINTENANCE PERSONAL THROUTH THE CONSTRUCTION AREA, SEE PASSAGEWAY LOCATION ON LEGEND BELOW.
2. HATCH PATTERN INDICATES AREA THAT THE GENERAL CONTRACTOR SHALL PROVIDE CLEAR ACCESS FOR ALL PERSONAL DURING CONSTRUCTION PROCESS. SEE PASSAGEWAY LOCATION ON LEGEND BELOW.

LEGEND

- HATCH PATTERN INDICATED LOCATION WHERE GENERAL CONTRACTOR SHALL PROVIDE ACCESS FOR DELIVERIES AND FACILITIES MAINTENANCE PERSONAL THROUGH THE CONSTRUCTION SITE DURING CONSTRUCTION PROCESS. PHASE I CONSTRUCTION
- HATCH PATTERN INDICATED LOCATION WHERE GENERAL CONTRACTOR SHALL PROVIDE ACCESS FOR ALL PEOPLE THROUGH THE CONSTRUCTION SITE DURING CONSTRUCTION PROCESS. PHASE II CONSTRUCTION.



KEY PLAN BUILDING

SCALE 1/64" = 1'-0"

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
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STATE OF UTAH LICENSED ARCHITECT 261170

architecture planning design

CONSULTANT:

PROJECT TITLE:

SALT LAKE
COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

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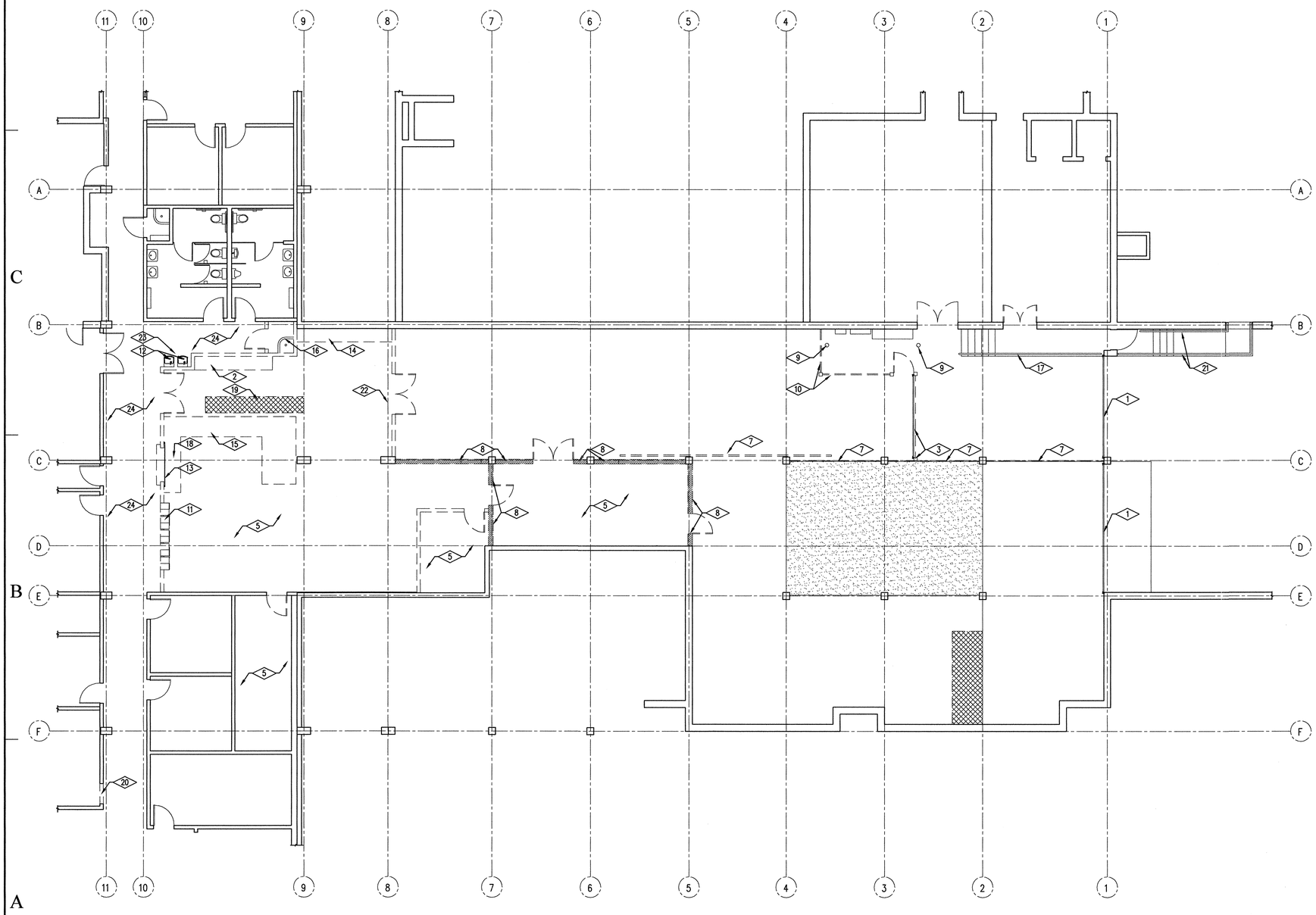
CONSTRUCTION FLOOR PHASING PLAN

SHEET NUMBER

A-PP101



PLAN NORTH

01 ADP100 DEMOLITION FLOOR PLAN

SCALE 1/8" = 1'-0"

REFERENCE NOTES

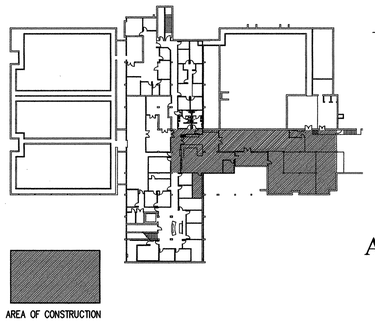
1. EXISTING MOTORIZED SECTIONAL OVER HEAD DOOR TO BE REMOVED AND RETURNED TO SCHOOL
2. EXISTING CASEWORK COUNTER TOPS AND CABINETS TO BE REMOVED AND REINSTALLED AS PER NEW PLAN
3. EXISTING MOTORIZED GATE AND ASSOCIATED STEEL FRAMING TO BE REMOVED AND RETURNED TO SCHOOL
4. EXISTING GATE AND FRAME TO BE REMOVED AND RETURNED TO COLLEGE
5. EXISTING CARPET TO BE REMOVED. GENERAL CONTRACTOR SHALL PATCH AND REPAIR EXISTING CONCRETE SLAB AS NECESSARY FOR NEW FLOORING INSTALLATION, GENERAL CONTRACTOR SHALL REMOVE ALL ADHESIVES
6. DASHED LINE INDICATES EXISTING WALL TO BE REMOVED. (TYP)
7. EXISTING CHAIN LINK FENCE WALL TO BE REMOVED
8. EXISTING MASONRY WALL TO BE REMOVED
9. EXISTING PIPE BOLLARDS TO BE REMOVED
10. EXISTING ENCLOSURE FENCE TO BE REMOVED
11. EXISTING METAL MAIL BOXES TO BE REMOVED AND RELOCATED TO NEW LOCATION AS PER NEW FLOOR PLAN.
12. EXISTING ELECTRIC WATER COOLERS TO BE REMOVED AND REINSTALLED UPON COMPLEATION OF WALL.
13. EXISTING MOTORIZED COUNTER SECURITY DOOR TO BE REMOVED AND REINSTALLED AS PER NEW FLOOR PLAN
14. EXISTING CASEWORK CABINETS TO BE REMOVED AND REINSTALLED AS PER NEW FLOOR PLAN.
15. EXISTING CASEWORK TO BE REMOVED AND RELOCATED AS PER NEW FLOOR PLAN. CASEWORK TO BE CUT TO SIZE AS SHOWN AND NEW COUNTERTOP NOSING PROVIDED.
16. EXISTING JANITORS SINK TO BE REMOVED AND EXISTING FLOOR DRAINS TO BE CAPPED. SAW CUT EXISTING FLOOR SLAB AS NECESSARY TO CAP DRAIN LINES BELOW SLAB AND REPLACE CONCRETE FLOOR SLAB.
17. EXISTING METAL HANDRAILING TO BE REMOVED. NEW HANDRAILING TO BE PROVIDED AS PER NEW PLAN
18. EXISTING CASH DRAWER TO BE RELOCATED. SEE NEW CASEWORK ELEVATIONS
19. SAW CUT EXISTING CONCRETE FLOOR SLAB AS NECESSAY TO PROVIDE ELECTRICAL FOR NEW CONFERENCE ROOM. PATCH AND REPLACE CONCRETE FLOOR AS REQUIRED FOR NEW FLOOR FINISH.
20. CUT EXISTING WALL AND PROVIDE NEW DOOR AT THIS LOCATION, SEE NEW FLOOR PLAN.
21. EXISTING METAL HANDRAILING TO REMAIN, SEE DRAWING AMS300.
22. EXISTING DIAMOND PLATE EXPANSION FLOORING TO BE REMOVED.
23. EXISTING CERAMIC FLOOR TILE AT E.W.C. TO BE REMOVED.
24. EXISTING FLOORING AND RUBBER BASE BETWEEN GRID LINES "B" ANDS "E" TO BE REMOVED.

GENERAL NOTES

1. GENERAL CONTRACTOR SHALL REPLACE AND REPAIR ALL CONCRETE FLOORING DAMAGED DURING THE DEMOLITION AND CONSTRUCTION.
2. SEE ELECTRICAL & MECHANICAL DEMOLITION DRAWINGS & NOTES.
3. IN AREAS OF CONSTRUCTION WHERE WALLS ARE TO REMAIN, GENERAL CONTRACTOR SHALL PATCH AND REPAIR WALL SURFACE TO RECEIVE NEW FINISH AS PER FINISH SCHEDULE.
4. GENERAL CONTRACTOR SHALL PROVIDE A 6 MIL POLYETHYLENE DUST BARRIER FROM FLOOR TO CONCRETE DECK ABOVE AND SHALL BE SEALED AIR TIGHT IN ALL PHASED AREA OF CONSTRUCTION
5. WHERE EXISTING MASONRY WALL HAVE BEEN REMOVED, GENERAL CONTRACTOR SHALL PATCH AND REPAIR CONCRETE SLAB TO MATCH EXISTING CONCRETE SLAB

LEGEND

- DASHED DOOR LINES INDICATE EXISTING DOOR AND FRAME TO BE REMOVED
- DASHED LINES INDICATE EXISTING GYPSUM BOARD AND METAL STUD WALLS TO BE REMOVED.
- HATCH PATTERN INDICATES EXISTING CONCRETE RAMP SLAB AND SIDE WALLS TO BE REMOVED. GENERAL CONTRACTOR SHALL EXCAVATE EXISTING SOIL DOWN TO 8" BELOW TOP OF EXISTING CONCRETE SLAB. PROVIDE NEW 4" CONCRETE FLOOR SLAB OVER 4" COMPACTED GRAVEL BASE AT THIS LOCATION.
- HATCH PATTERN INDICATES EXISTING CONCRETE SLAB TO BE SAW CUT AND REMOVED AS NEEDED FOR NEW CONCRETE STAIRS AND ELECTRICAL CONDUIT RUNS. REPLACE CONCRETE AS NEEDED.
- HATCH PATTERN INDICATES EXISTING MASONRY WALL TO BE REMOVED



AREA OF CONSTRUCTION

KEY PLAN BUILDING

SCALE 1/64" = 1'-0"

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STATE OF UTAH JEFF S. PARK 261110 LICENSED ARCHITECT

architecture planning design

CONSULTANT:

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL 4600 SOUTH REDWOOD ROAD TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

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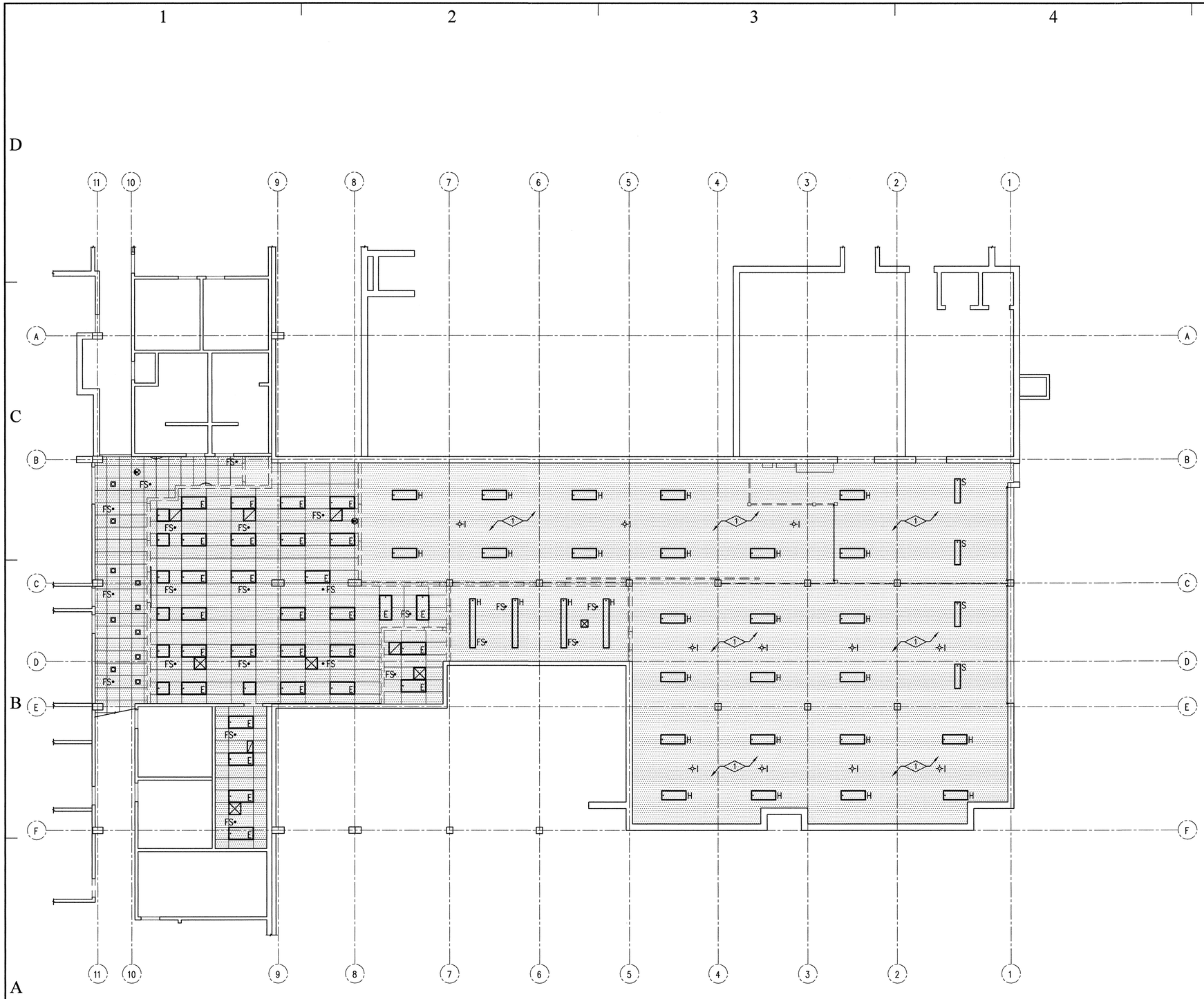
SHEET TITLE

DEMOLITION FLOOR PLAN

SHEET NUMBER

A-DP100



PLAN NORTH

01 ADP100 DEMOLITION CEILING PLAN

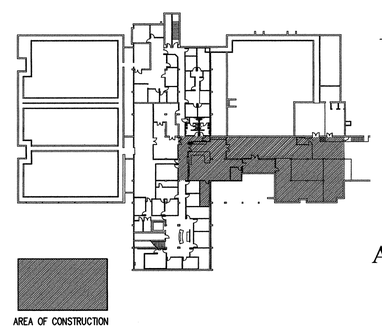
SCALE 1/8" = 1'-0"

REFERENCE NOTES

1 EXPOSED TO STRUCTURE

LEGEND

- E — EXISTING 2x4 FLUORESCENT LAY-IN LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- EXISTING 2x4 FLUORESCENT LAY-IN LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- H — EXISTING HANGING FLUORESCENT LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- H — EXISTING HANGING FLUORESCENT LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- I — EXISTING INCANDESCENT LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- FS — EXISTING FIRE SPRINKLER HEAD LOCATION.
- EXISTING RECESSED CAN LIGHT FIXTURE.
- EXISTING SUPPLY AIR DIFFUSER CONTRACTOR TO VERIFY LOCATION WITH MECHANICAL DRAWINGS
- EXISTING RETURN AIR DIFFUSER GENERAL CONTRACTOR TO VERIFY WITH MECHANICAL DRAWINGS
- HATCH PATTERN INDICATES AREA OF EXISTING LAY IN CEILING TILES, SUSPENSION SYSTEM AND LIGHT FIXTURES, TO BE REMOVED. SEE ELECTRICAL AND MECHANICAL DEMOLITION CEILING PLANS.



AREA OF CONSTRUCTION

KEY PLAN BUILDING

SCALE 1/64" = 1'-0"

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Division of Facilities Construction & Management
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Salt Lake City, Utah 84114
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STATE OF UTAH LICENSED ARCHITECT 261110 7/21/09

architecture planning design

CONSULTANT:

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL 4600 SOUTH REDWOOD ROAD TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 21st July, 2009

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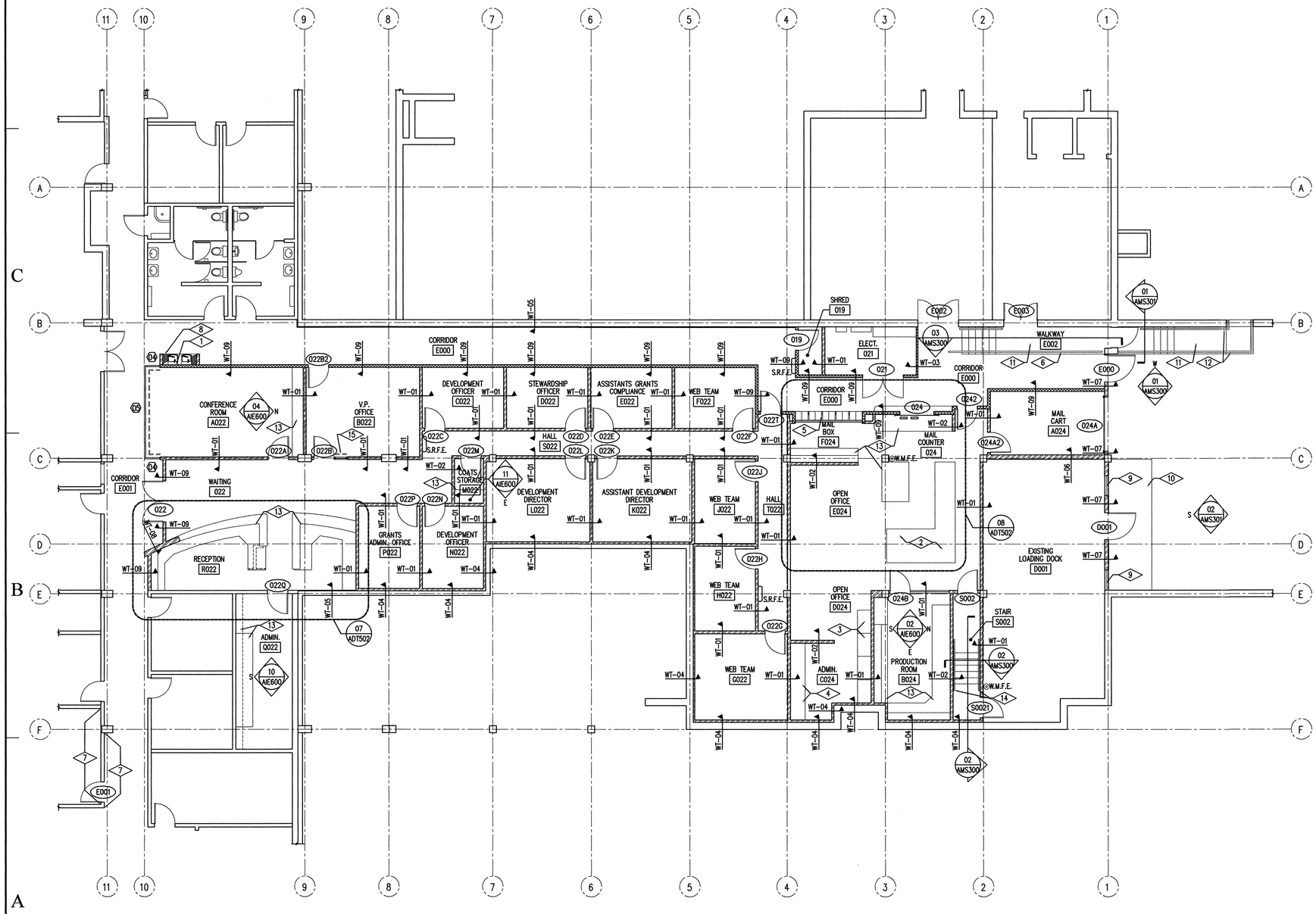
SHEET TITLE

DEMOLITION CEILING PLAN

SHEET NUMBER

A-DP101



PLAN NORTH

01 AFP100 FLOOR PLAN

SCALE 1/8" = 1'-0"

REFERENCE NOTES

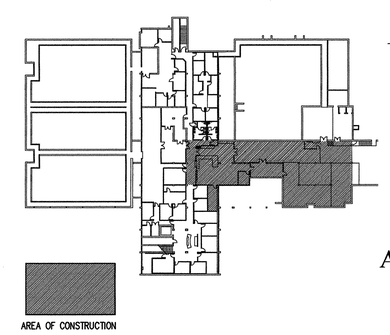
1. PROVIDE 5'-0" HIGH x 5'-0" WIDE CERAMIC WALL TILE BEHIND THE RELOCATED ELECTRIC WATER COOLERS.
2. RELOCATED LARGE PLASTIC LAMINATE COUNTERTOP AND BASE CABINETS, SEE ENLARGED PLANS
3. EXISTING 7'-0" HIGH OPEN PLASTIC LAMINATE CABINETS TO BE RELOCATED TO THIS LOCATION
4. EXISTING PLASTIC LAMINATE COUNTERTOPS AND CABINETS TO BE RELOCATED HERE.
5. EXISTING METAL MAILBOXES TO BE RELOCATED TO HERE.
6. NEW PAINTED GUARDRAILING AND HANDRAILING, SEE ELEVATION AND DETAILS.
7. PATCH, PRIME AND PAINT EXISTING GYPSUM BOARD WALL AS NECESSARY TO CREATE A "LIKE NEW" FINISH.
8. PROVIDE 1'-8" DEEP x 5'-0" WIDE CERAMIC FLOOR TILE AT FLOOR BELOW RELOCATED ELECTRIC WATER COOLERS. PROVIDE RUBBER TRANSITION STRIP BETWEEN TILE AND NEW CARPET.
9. MECHANICAL LOUVERS, SEE PARTIAL ELEVATION AND MECHANICAL DRAWINGS.
10. EXISTING LOADING DOCK.
11. EXISTING CONCRETE STAIR
12. EXISTING HAND AND GUARDRAILING TO REMAIN, SEE DRAWING AMS300 AND AMS301
13. NEW PLASTIC LAMINATE CASEWORK, SEE INTERIOR ELEVATIONS, CASEWORK SECTIONS AND SPECIFICATIONS.
14. NEW PAINTED HANDRAILING, SEE SECTIONS.
15. PROVIDE 2" HORIZONTAL ALUMINUM WINDOW BLINDS AT THIS WINDOW LOCATION.

LEGEND

- RM. NAME / 100 — ROOM TAG
- 01 — WINDOW TAG
- 100A — DOOR TAG
- WT-01 — WALL TYPE, SEE WALL TYPES SHEET ASC300
- S.R.F.E. — SEMI-RECESSED CLASS A.B.C. 20LB FIRE EXTINGUISHER, SEE SPECIFICATION
- DASHED LINE AT WINDOWS INDICATES LOCATION OF NEW WINDOW COVERINGS, SEE DETAILS 13/ADT500 AND SPECIFICATION
- W.M.F.E. — WALL MOUNTED FIRE EXTINGUISHER, SEE SPECIFICATION
- CROSS HATCH PATTERN INDICATES LOCATION OF UL 1 HOUR FIRE RATED ASSEMBLY

GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN EMERGENCY AND UTILITY VEHICLE ACCESS AT ALL TIMES TO ALL EXISTING BUILDINGS AND BUILDING ENTRANCES
2. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO BIDDING.
3. GENERAL CONTRACTOR SHALL PROTECT EXISTING BUILDING FROM DAMAGE DURING CONSTRUCTION.
4. IN AREAS OF CONSTRUCTION WHERE EXISTING WALL ARE TO REMAIN THE GENERAL CONTRACTOR SHALL PATCH AND REPAIR ALL WALL SURFACES TO RECEIVE NEW FINISH AS PER FINISH SCHEDULE. PATCHED AND REPAIRED WALLS SHALL HAVE A "LIKE NEW" FINISH UPON RECEIVING PAINT COAT.
5. GENERAL CONTRACTOR SHALL REMOVE EXISTING CARPET TILE GLUE FROM CONCRETE FLOOR SLABS IN AREAS OF CONSTRUCTION. GENERAL CONTRACTOR SHALL PREP, PATCH, AND REPAIR THE EXISTING CONCRETE FLOOR SLAB IN AREAS OF CONSTRUCTION. THE GENERAL CONTRACTOR SHALL GRIND ANY UNEVEN CONCRETE FLOOR SURFACES SMOOTH AND PROVIDE LEVELING COMPOUND AS NECESSARY.



AREA OF CONSTRUCTION

KEY PLAN BUILDING

SCALE 1/64" = 1'-0"

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
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STATE OF UTAH REGISTERED LICENSED ARCHITECT 261110

architecture planning design

CONSULTANT:

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL 4600 SOUTH REDWOOD ROAD TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

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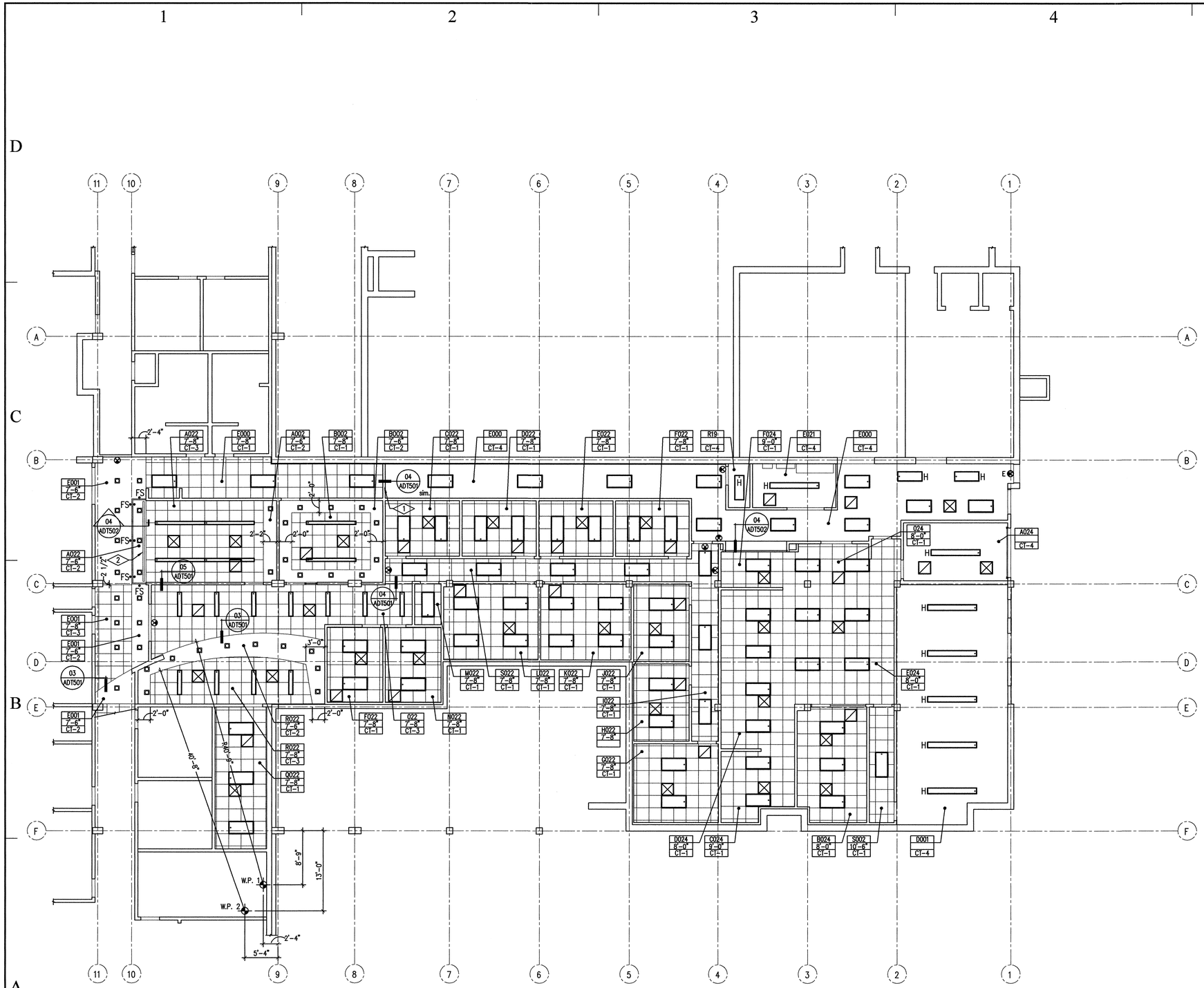
SHEET TITLE

NEW FLOOR PLAN

SHEET NUMBER

A-FP100



01 ACP101 NEW CEILING PLAN

SCALE 1/8" = 1'-0"

REFERENCE NOTES

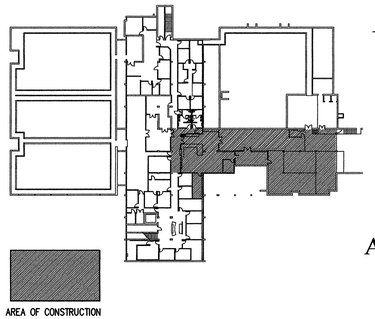
1. EXTEND GYPSUM BOARD AT EXPOSED STRUCTURE SIDE OF BULKHEAD TO DECK.
2. RECESSED ROLLER SHADE, SEE SPECIFICATION.

GENERAL NOTES

1. NEW SUSPENDED CEILING GRIDS SHALL BE CENTERED IN SPACES AS SHOWN ON REFLECTED CEILING PLANS.
2. HEAVY DUTY "T-BAR" GRID SYSTEM SHALL BE USED.
3. EXCEPT WHERE RIGID BRACES ARE USED TO LIMIT LATERIAL DEFLECTIONS, SPRINKLER HEADS AND OTHER PENATRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE OR ADAPTER THROUGHT THE CEILING TILE TO ALLOW FOR FREE MOIVEMENTOF AT LEAST 1" IN ALL DIRECTIONS.
4. CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE INDEPENDENTLY SUPPORTED AND BRACED INDEPENDENTLY OF THE CEILING.
5. ALL NEW SUSPENDED CEILING CEILING INSTALLATIONS SHALL BE AS PER ASCE 7 AND SEISCA REQUIREMENTS.
6. SEE DETAIL FOR LAY IN CEILING TILE HORIZONTAL RESTRAINT

CEILING LEGEND

- 101 / 9'-0" / CT — ROOM NUMBER / CEILING HEIGHT / CEILING TYPE
- NEW 2x4 FLUORESCENT LAY-IN LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- NEW EXIT SIGN, SEE ELECTRICAL DRAWINGS.
- E — EXISTING EXIT SIGN TO REMAIN.
- NEW RECESSED CAN LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- TRACK LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- DIRECT/INDIRECT CEILING MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- H — NEW HANGING FLUORESCENT LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- SUPPLY AIR DIFFUSER CONTRACTOR TO VERIFY LOCATION WITH MECHANICAL DRAWINGS
- RETURN AIR DIFFUSER GENERAL CONTRACTOR TO VERIFY WITH MECHANICAL DRAWINGS
- FS — LOCATION FOR FIRE SPRINKLER HEADS FOR WATER CURTAIN WALL, SEE MECHANICAL AND PLUMBING SPECIFICATIONS.



KEY PLAN BUILDING

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STATE OF UTAH — SCOTT A. BAIR — 261110 — 7/21/09 — LICENSED ARCHITECT

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CONSULTANT:

PROJECT TITLE:

SALT LAKE
COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

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SHEET TITLE

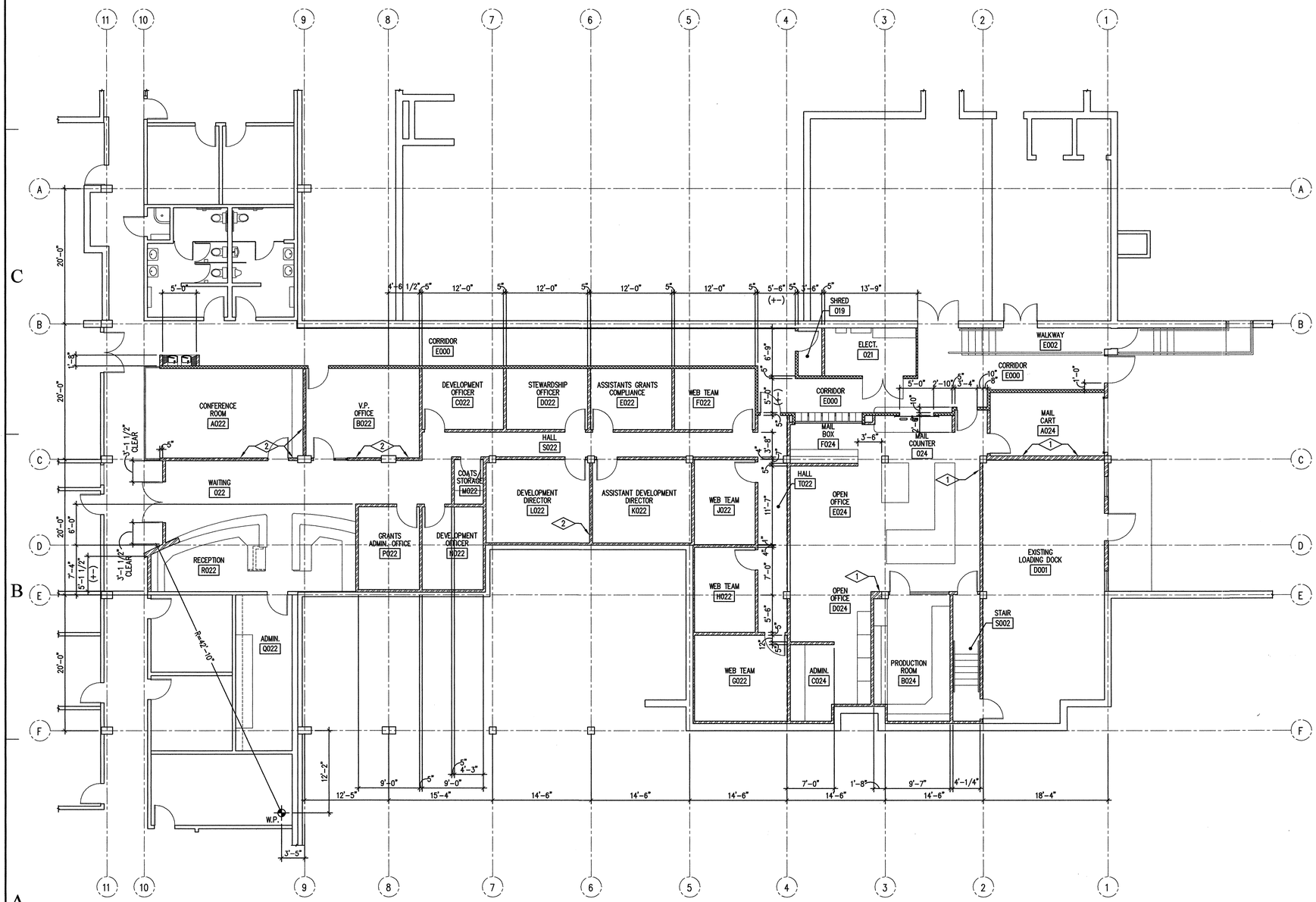
NEW CEILING PLAN

SHEET NUMBER

A-CP101

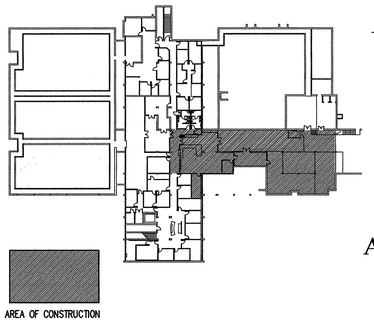
REFERENCE NOTES

1. ALIGN FACE OF NEW GYPSUM BOARD TO COVER FACE OF EXISTING CONCRETE COLUMN
2. CENTER WALL ON CENTER OF COLUMN



PLAN NORTH

01 ADP102 FLOOR PLAN
SCALE 1/8" = 1'-0"



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State of Utah
Department of Administrative Services

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STATE OF UTAH LICENSED ARCHITECT 261110

architecture planning design

CONSULTANT:

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
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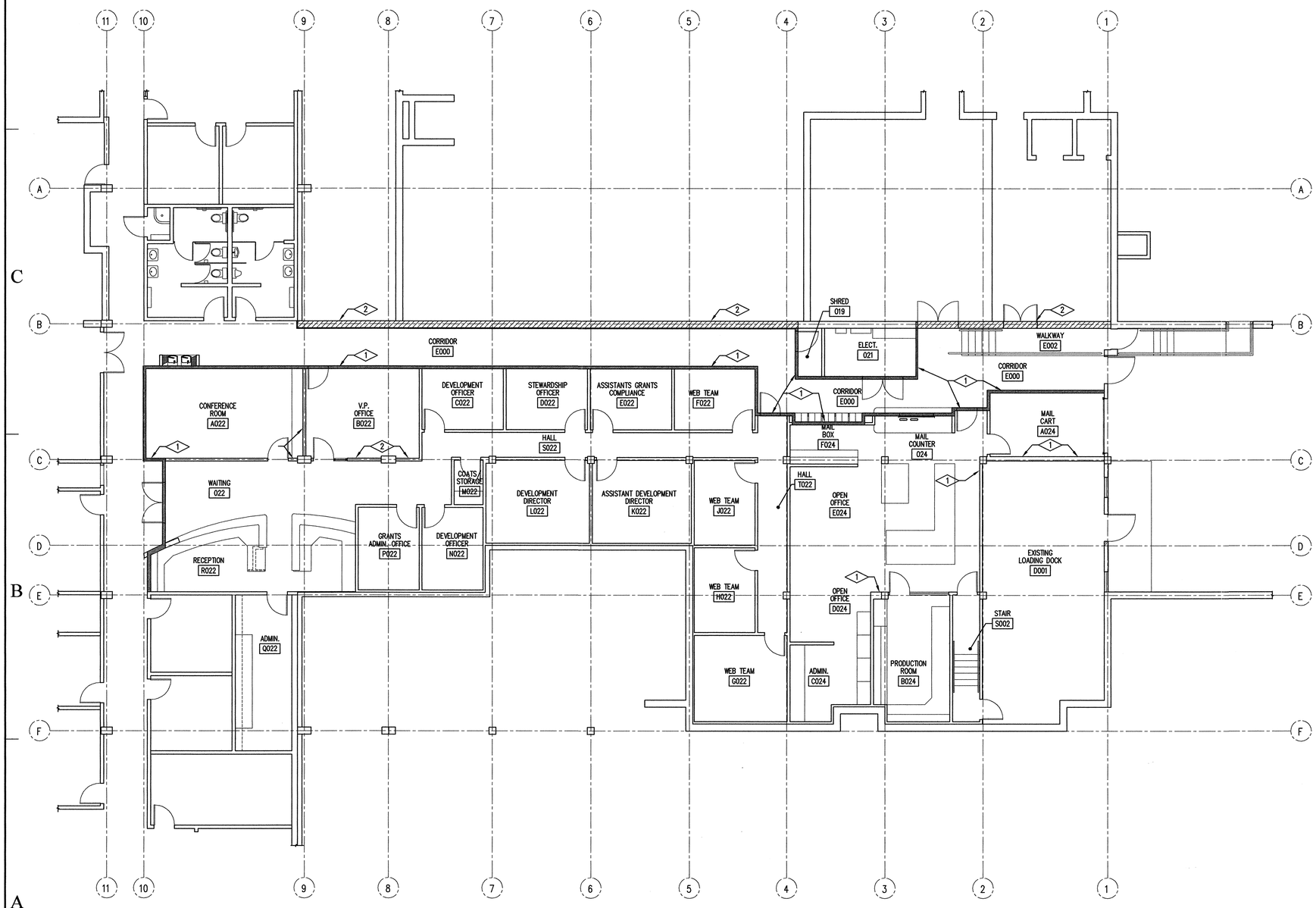
SHEET TITLE

DIMENSIONAL FLOOR PLAN

SHEET NUMBER

A-DP102



PLAN NORTH

01 AFP103 RATED WALL ASSEMBLY PLAN

SCALE 1/8" = 1'-0"

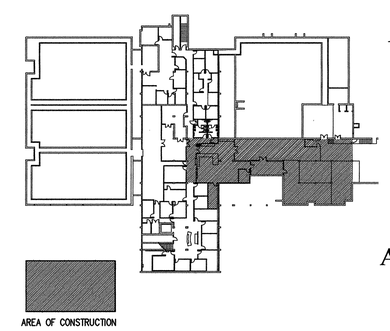
REFERENCE NOTES

1. NEW 1 HOUR FIRE RATED WALL ASSEMBLY AS PER WALL TYPES
2. EXISTING STRUCTURAL CONCRETE WALL

LEGEND

HATCH PATTERN INDICATES LOCATION OF UL 1 HOUR FIRE RATED WALL ASSEMBLY. THE GENERAL CONTRACTOR SHALL VERIFY ALL CONDUIT, PIPE PENETRATIONS AND CABLE TRAY PENETRATIONS THAT WILL EXTEND THROUGH ALL NEW FIRE WALLS. ALL PIPES THAT WILL PENETRATE THROUGH THE NEW FIRE WALL WILL HAVE THEIR EXISTING PIPE INSULATION REMOVED AT THE PENETRATION LOCATION. GENERAL CONTRACTOR SHALL PROVIDE FIRE RATED SEALANT AS REQUIRED FOR 1 HOUR PIPE PENETRATION. CABLE TRAYS SHALL RECEIVE FIRE RATED PILLOWS AS PRE ELECTRICAL DRAWINGS. CONDUITS SHALL RECEIVE REQUIRE SEALANT AS REQUIRED FOR A 1 HOUR FIRE RATED PENETRATIONS

HATCH PATTERN INDICATES LOCATION OF EXISTING 12" STRUCTURAL CONCRETE WALL. THE GENERAL CONTRACTOR SHALL VERIFY ALL CONDUIT, PIPE PENETRATIONS AND CABLE TRAY PENETRATIONS THAT EXTEND THROUGH THE EXISTING CONCRETE WALL. ALL PIPES THAT PENETRATE THROUGH THE CONCRETE WALL WILL HAVE THEIR EXISTING PIPE INSULATION REMOVED AS NECESSARY AT THE PENETRATION LOCATION. GENERAL CONTRACTOR SHALL PROVIDE FIRE RATED SEALANT AS REQUIRED FOR 1 HOUR PIPE PENETRATION. EXISTING CABLE TRAYS THAT PENATRATE THE EXISTING CONCRETE WALL SHALL RECEIVE FIRE RATED PILLOWS AS PRE ELECTRICAL DRAWINGS. EXISTING CONDUITS AND CABLES SHALL RECEIVE REQUIRE SEALANT AS REQUIRED FOR A 1 HOUR FIRE RATED PENETRATION.



KEY PLAN BUILDING

SCALE 1/64" = 1'-0"

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
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Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

Salt Lake Community College

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STATE OF UTAH REGISTERED LICENSED ARCHITECT 261110

architecture planning design

CONSULTANT:

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL 4600 SOUTH REDWOOD ROAD TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 21st July, 2009

DFCM PROJECT NO: 09003660
CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: ZACK
CHK'D BY: SCOTT

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SHEET TITLE

RATED WALL ASSEMBLY PLAN

SHEET NUMBER

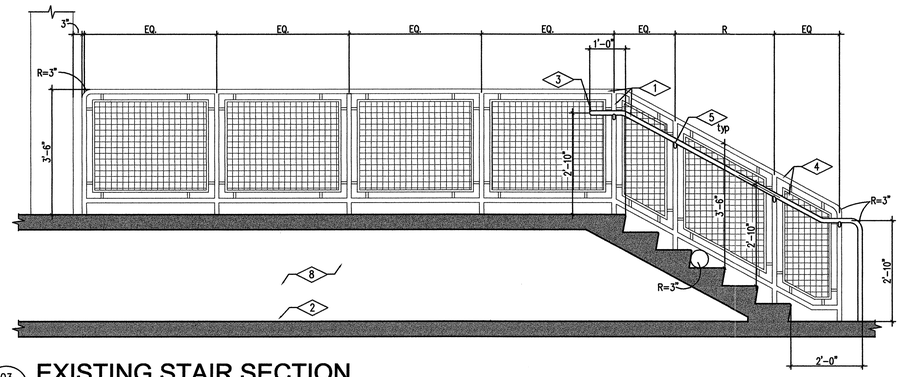
A-FP103

REFERENCE NOTES

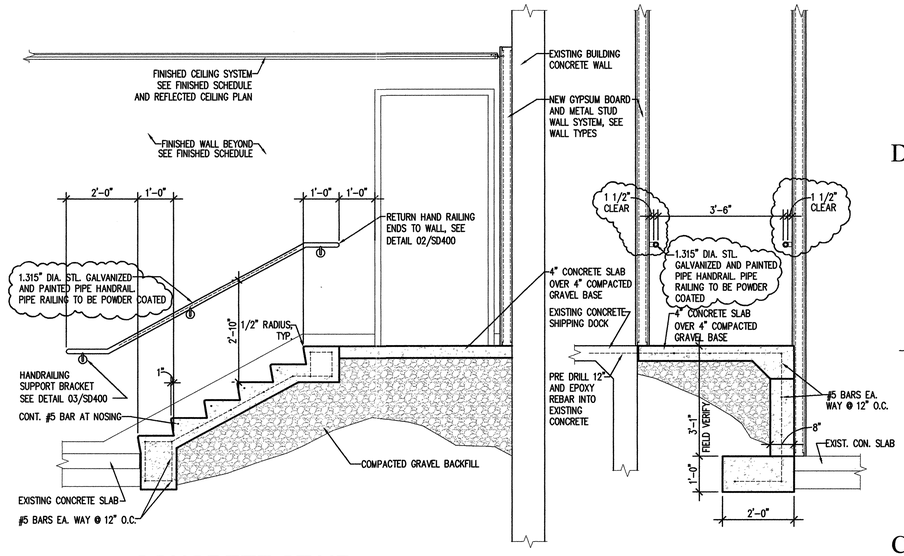
1. 1.315" DIA PAINTED PIPE RAILING CONT.
2. EXISTING CONCRETE FLOOR SLAB
3. RETURN HAND RAILING BACK TO GUARD RAILING
4. SEE GUARD RAILING DETAILS ON DRAWING ASD400
5. ¾" DIA. PAINTED STEEL HANDRAILING BRACKET, SEE DETAIL 03/ASD400.
6. EXISTING EXTERIOR METAL HANDRAILING TO BE SANDBLASTED, SANDED AND HAVE EXISTING RUST REMOVED. PRIME AND REPAINT HANDRAILINGS
7. EXISTING EXTERIOR CONCRETE STAIR
8. EXISTING INTERIOR CONCRETE STAIR
9. EXISTING INTERIOR CONCRETE STAIR HANDRAILING CORES IN EXISTING CONCRETE TO BE GROUT FILLED.
10. NEW EXTERIOR STAIR STEEL CANOPY ATTACHED TO EXISTING CONCRETE STRUCTURE. NEW STEEL CANOPY TO BE POWDER COATED 3 COAT SYSTEM.
11. EXISTING EXTERIOR CONCRETE STAIR TO PATCHED AT THIS LOCATION.
12. CONCRETE WALL BEYOND.

STAIR FINISH NOTES

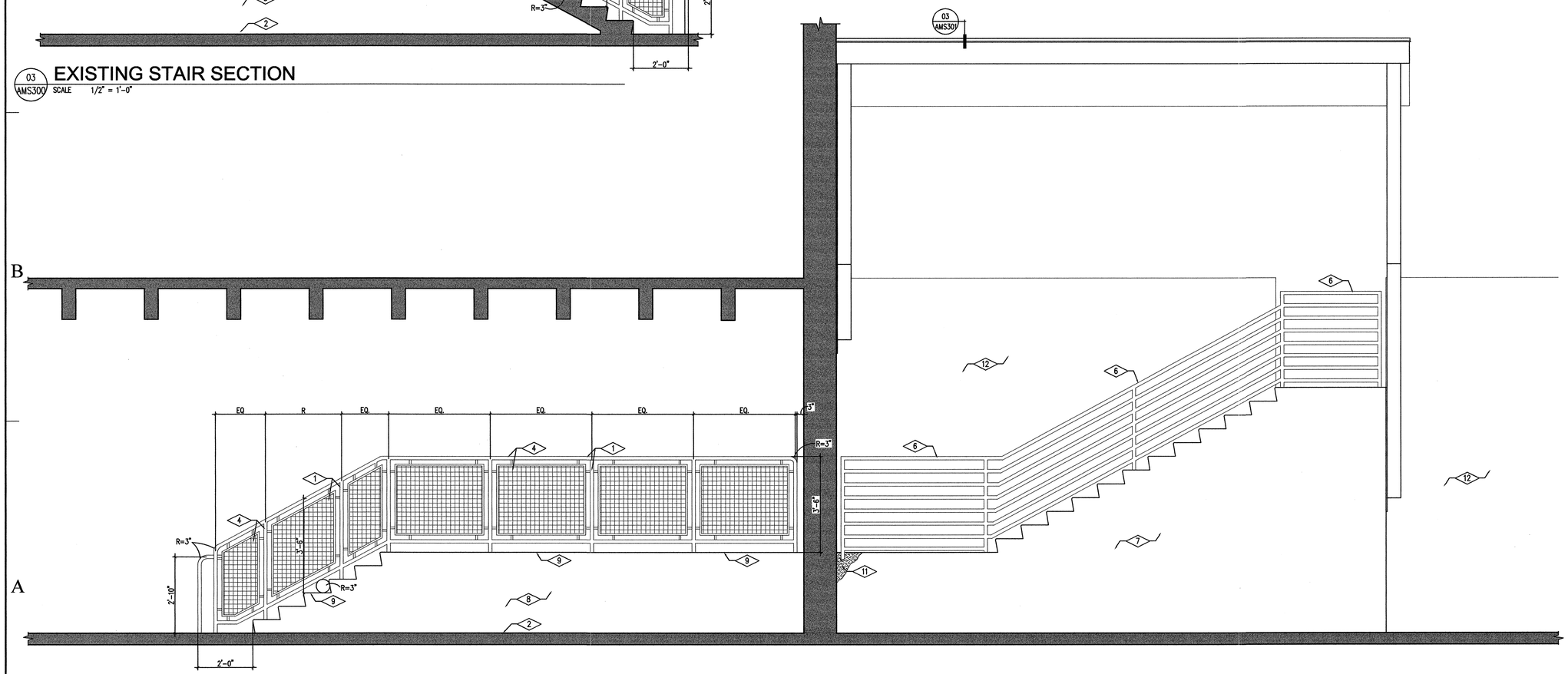
1. GENERAL CONTRACTOR TO PROVIDE "JHONSONITE" OR EQUAL RUBBER TREAD WITH INTEGRATED RISER FOR VISUALLY IMPAIRED, STYLE (VRTR-SQ) COLOR BY ARCHITECT. PROVIDE RUBBER TREAD, RISER AND WALL BASE AT NEW AND EXISTING INTERIOR CONCRETE STAIRS ONLY. RUBBER TREAD TO BE SOLID COLOR. GENERAL CONTRACTOR TO PROVIDE ALL REQUIRED ADHESIVES ETC. FOR INSTALLATION



03 AMS300 EXISTING STAIR SECTION
SCALE 1/2" = 1'-0"



02 AMS300 CONCRETE STAIR
SCALE 1/2" = 1'-0"



01 AMS300 EXISTING STAIR ELEVATION
SCALE 1/2" = 1'-0"

State of Utah
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Division of Facilities Construction & Management
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Salt Lake City, Utah 84114
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Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

Salt Lake Community College

CREATED BY: P+A architects

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architecture planning design

CONSULTANT:

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL 4600 SOUTH REDWOOD ROAD TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 21st July, 2009

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CAD DWG FILE:
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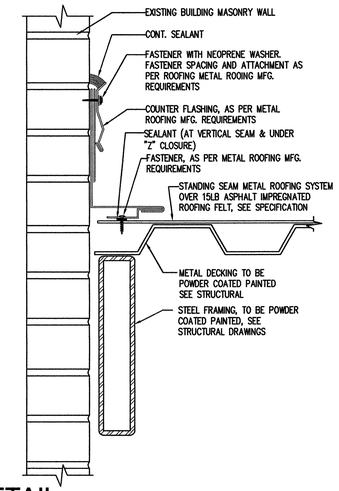
SHEET TITLE

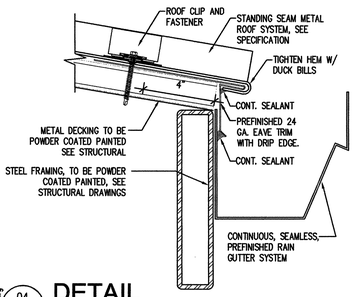
MISC. SECTIONS

SHEET NUMBER

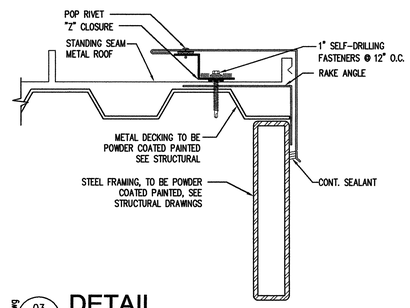
A-MS300



05 AMS301 DETAIL
SCALE 3" = 1'-0"



04 AMS301 DETAIL
SCALE 3" = 1'-0"



03 AMS301 DETAIL
SCALE 3" = 1'-0"

DFCM APPROVED STEEL FABRICATORS

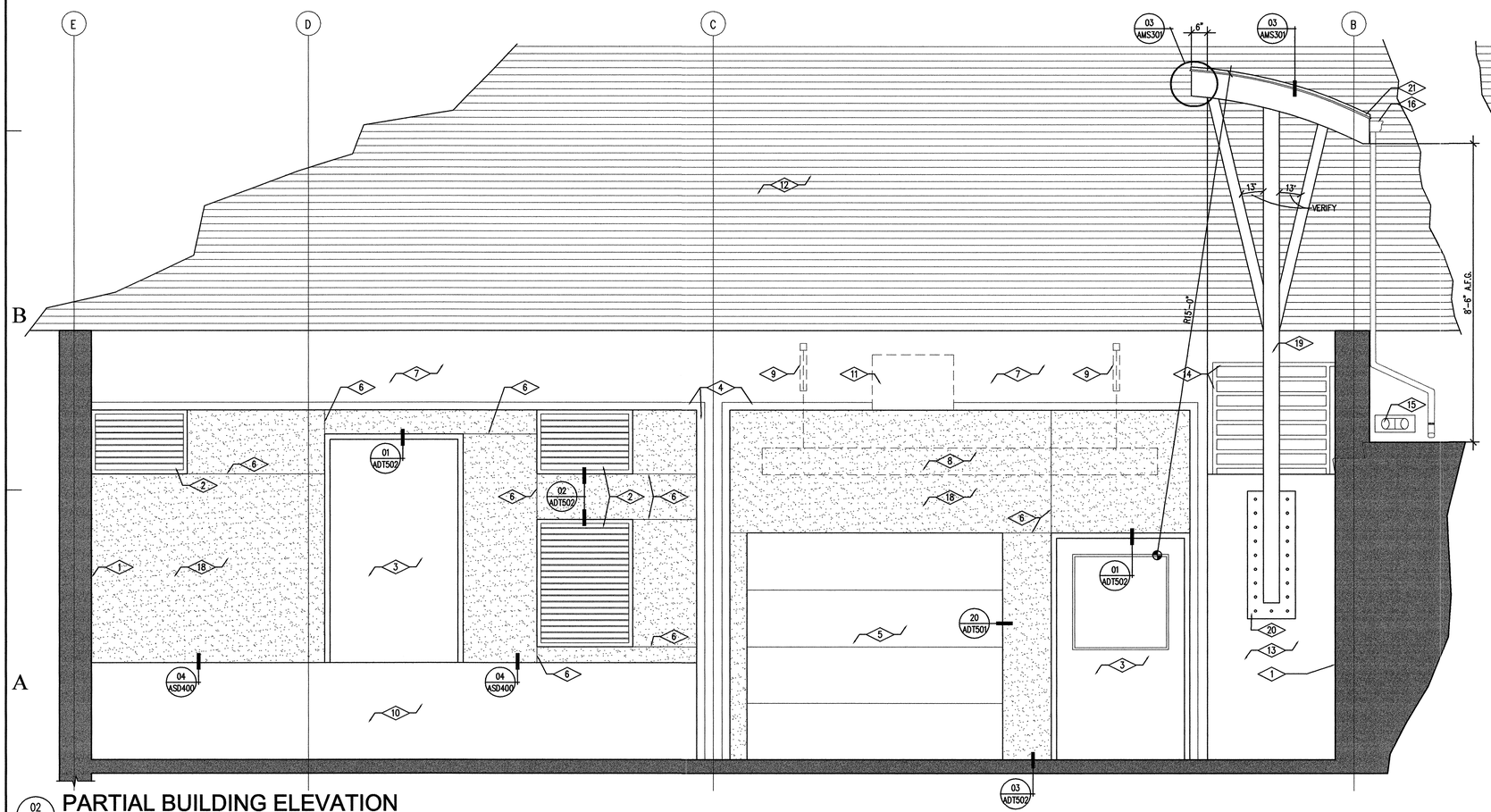
COMPANY NAME

1. AMERICAN BUILDING COMPANY
2. AMFAB STEEL
3. BEHLEN MFG. CO.
4. BRAHMA STEEL
5. CBC STEEL BUILDING
6. CECO BUILDING SYSTEMS
7. CO BUILDING SYSTEMS INC.
8. F&S STEEL FABRICATIONS, INC
9. GARCO BUILDING SYSTEMS
10. GEM (GOLDEN EMPIRE MFG.)
11. HCI STEEL BUILDING SYSTEMS
12. JT STEEL
13. LEGACY STEEL FABRICATORS
14. LUNDAHL IRONWORKS COMPANY
15. MARK STEEL CORP.
16. MASCO, INC.
17. NCI BUILDING SYSTEMS LP
18. NUCOR BUILDING SYSTEMS
19. PORTER CORP.
20. EAGLE SPAN
21. S&S STEEL
22. TECH STEEL, INC.
23. UTAH ORNAMENTAL & IRON WORKS
24. VERCO DECKING INC.
25. VP BUILDINGS
26. VULCRAFT GROUP

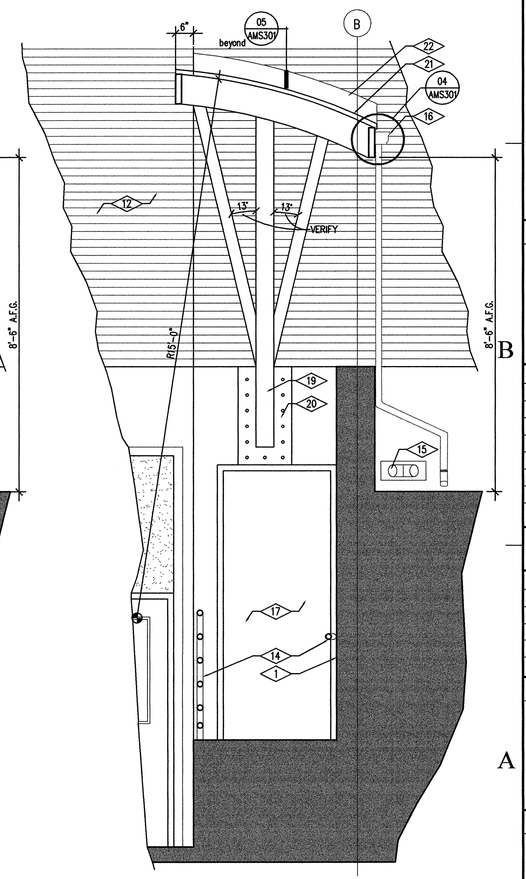
COMPANY CONTACT INFORMATION CAN BE FOUND ON THE DFCM WEB SITE.

REFERENCE NOTES

1. EXISTING CONCRETE SITE WALL.
2. NEW MECHANICAL LOUVERS, SEE MECHANICAL DRAWINGS.
3. NEW HOLLOW METAL DOOR AND FRAME, PRIMED AND PAINTED, SEE DOOR SCHEDULE.
4. EXISTING STEEL ANGLE AT PERIMETER OF EXISTING OPENING TO BE SANDED AND HAVE ALL EXISTING RUST REMOVED. PRIME AND REPAINT.
5. NEW SECTIONAL OVERHEAD DOOR, SEE DOOR SCHEDULE AND SPECIFICATION.
6. STUCCO REVEAL SEE DETAIL 08/ASD400.
7. EXISTING BUILDING CONCRETE COLUMN AND BEAM SYSTEM.
8. EXISTING "CAUTION AND CLEARANCE" SIGN TO BE REMOVED.
9. EXISTING "CAUTION AND CLEARANCE" SIGN BRACKETS TO BE REMOVED. EXISTING A.B. HOLES IN BEAM TO BE FILLED.
10. EXISTING CONCRETE LOADING DOCK.
11. EXISTING SIGN TO BE REMOVED. EXISTING A.B. HOLE IN CONCRETE BEAM TO BE FILLED.
12. EXISTING BUILDING MASONRY VENEER TO REMAIN UNDISTURBED.
13. EXISTING EXTERIOR CONCRETE STAIR LANDING.
14. EXISTING EXTERIOR STAIR HAND AND GUARD RAILING TO BE SANDBLASTED, SANDED, RUST REMOVED, PRIMED AND REPAINTED.
15. EXISTING SIAMESE CONNECTION. G.C. SHALL PROVIDE A NEW ELBOW WITH A BALL DRIP AND EXTEND SIAMESE CONNECTION TO 3'-0" ABOVE EXISTING ASPHALT.
16. NEW HEAVY DUTY, GALVANIZED, PRE-FINISHED , METAL RAIN GUTTER AND DOWN SPOUT. PROVIDE PRE-CAST CONCRETE SPLASH AT BASE.
17. EXISTING HOLLOW METAL DOOR AND FRAME TO BE SANDED AND ALL EXISTING RUST REMOVED. DOOR AND FRAME TO BE PRIMED AND REPAINTED.
18. NEW 2" EXTERIOR INSULATED FINISH SYSTEM, SEE SPECIFICATION
19. NEW EXTERIOR STAIR STEEL CANOPY SYSTEM, SEE DETAILS. ALL EXTERIOR STEEL CANOPY MEMBERS TO BE POWDER COATED WITH 3 COAT SYSTEM, SEE STRUCTURAL.
20. NEW EXTERIOR STAIR STEEL CANOPY STEEL PLATE ATTACHMENT ACHANCORED TO EXISTING CONCRETE STRUCTURE, SEE STRUCTURAL DRAWINGS.
21. METAL DECKING AND STANDING SEAM METAL ROOFING AT CANOPY, SEE SPECIFICATIONS AND DETAILS
22. PRE-FINISHED METAL COUNTER FLASHING BEYOND, SEE DETAIL 05/AMS301



02 AMS301 PARTIAL BUILDING ELEVATION
SCALE 1/2" = 1'-0"



01 AMS301 SECTION @ BLDG. FACE
SCALE 1/2" = 1'-0"

State of Utah
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Salt Lake Community College

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STATE OF UTAH
SCOTT A. ZACK
261110
07/21/09
LICENSED ARCHITECT

architecture planning design

CONSULTANT:

PROJECT TITLE:

SALT LAKE
COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

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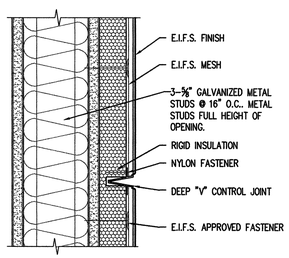
SHEET TITLE

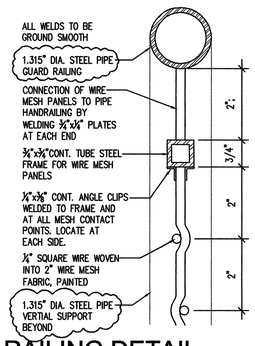
EXTERIOR STAIR ELEVATION AND DETAILS

SHEET NUMBER

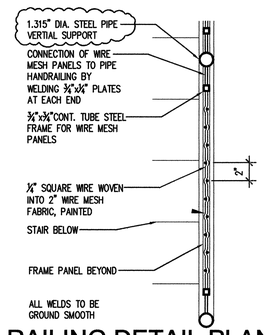
A-MS301



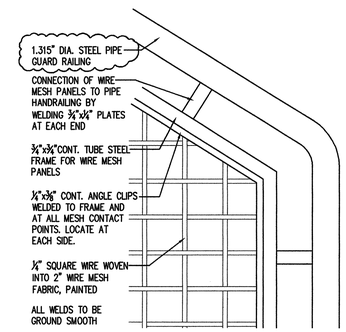
08 ASD400 TYPICAL STUCCO REVEAL
SCALE 3" = 1'-0"



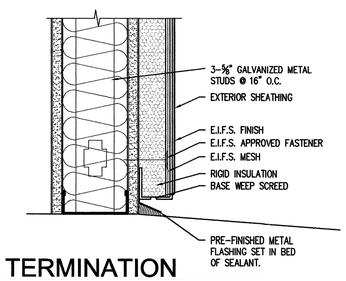
07 ASD400 RAILING DETAIL
SCALE 3" = 1'-0"



06 ASD400 RAILING DETAIL PLAN VIEW
SCALE 1 1/2" = 1'-0"



05 ASD400 RAILING DETAIL
SCALE 3" = 1'-0"



3-02.dwg
04 ASD400 TERMINATION
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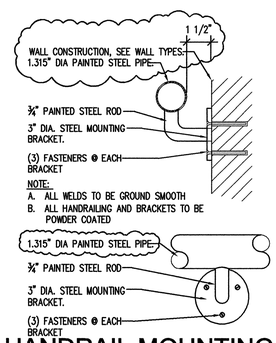
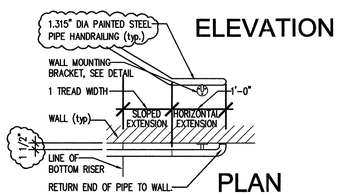
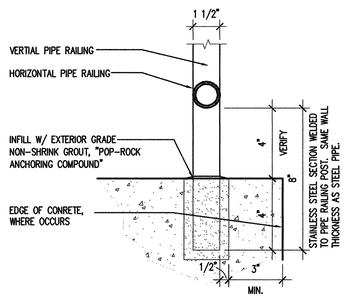


03 ASD400 HANDRAIL MOUNTING DET.
SCALE 3" = 1'-0"



02 ASD400 HANDRAIL DETAIL
SCALE N.T.S.



5-01.dwg
01 ASD400 VERTICAL SUPPORT
SCALE 3" = 1'-0"

State of Utah
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Division of Facilities Construction & Management
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STATE OF UTAH KENT A. PETERSEN 261110 LICENSED ARCHITECT 7/21/09

architecture planning design

CONSULTANT:

PROJECT TITLE:
SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

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SHEET TITLE
STAIR DETAILS

SHEET NUMBER
A-SD400

DOOR AND FRAME SCHEDULE

DOOR	SINGLE/PAIR	DOOR SIZE WxH	DOOR DEPTH	DOOR TYPE	DOOR MATL	DOOR FINISH	FRAME DEPTH	FRAME TYPE	FRAME MATL	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL THRSH	HARDWARE SET	FIRE RATING DOOR & FRAME	NOTES
019	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	07	1 HOUR	
021	P	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	08	1 HOUR	
022	P	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	11/ADT501	11/ADT501	—	14	1 HOUR	
022A	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	12	NONE	
022B	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	02	HM	PAINT	15/ADT501	15&16/ADT501	—	09	NONE	
022B2	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	11.1	1 HOUR	
022C	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	09	NONE	
022D	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	09	NONE	
022E	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	09	NONE	
022F	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	09	NONE	
022G	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	09	NONE	
022H	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	09	NONE	
022J	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	09	NONE	
022K	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	09	NONE	
022L	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	09	NONE	
022M	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	11	NONE	
022N	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	09	NONE	
022P	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	09	NONE	
022Q	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	11	NONE	
022T	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	04	1 HOUR	
024	S	5'-0" X 3'-8"	1"	G	S.S.	BRUSH	—	—	—	PAINT	—	05/ADT502		03	1 HOUR	
0242	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	10/ADT501	05	1 HOUR	
024A	S	8'-0" X 7'-0"	1 ½"	D	AL	PAINT	—	—	—	—	20/ADT501	20/ADT501	—	03	NONE	
024A2	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	10/ADT501	06	NONE	
024B	S	3'-0" X 7'-0"	1 ¾"	B	WD	STAIN	6"	03	HM	PAINT	15/ADT501	15&16/ADT501	—	10	NONE	
024C	S	9'-10" X 7'-0"	1"	G	S.S.	BRUSH	—	—	—	PAINT	04/ADT502	03/ADT502	—		1 HOUR	G.C. SHALL VERIFY SIZE REQUIRED FOR OPENING
E000	S	4'-0" X 7'-0"	1 ¾"	E	HM	PAINT		01	HM	PAINT	19/ADT501	19/ADT501	—	01	NONE	
E001	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	11.1	1 HOUR	
E002	P	3'-6" X 7'-0"	1 ¾"	F	HM	PAINT	6"	01	HM	PAINT	19/ADT501	19/ADT501	9/ADT501	13	1 HOUR	
E003	P	3'-0" X 7'-0"	1 ¾"	F	HM	PAINT	6"	01	HM	PAINT	19/ADT501	19/ADT501	9/ADT501	13	1 HOUR	
S002	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	10/ADT501	04	NONE	
S0021	S	3'-0" X 7'-0"	1 ¾"	A	WD	STAIN	6"	01	HM	PAINT	15/ADT501	15/ADT501	—	04	NONE	
D001	S	4'-0" X 7'-0"	1 ¾"	F	HM	PAINT		01	HM	PAINT	15/ADT501	15/ADT501	—	02	NONE	

GENERAL NOTES

1. H.M. = HOLLOW METAL
2. S.S. = STAINLESS STEEL
3. A.L. = ANODIZED ALUMINUM

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING TYPE	CEILING HEIGHT	NOTES
019	SHRED	F2	B2	W1	W1	W1	W1	CT-4	—	
021	ELECT	F2	B2	W1		W1	W1	CT-4	—	
022	WAITING	F1	B1	W1	W1	W1	W1	CT-3	7'-8"	
A022	CONFERENCE	F1	B1	W1	W1	W1	W1	CT-2 / CT-3	7'-6" / 7'-8"	
B022	V.P. OFFICE	F1	B1	W1	W1	W1	W1	CT-2 / CT-1	7'-6" / 7'-8"	
C022	DEVELOPMENT OFFICER	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
D022	STEWARDSHIP OFFICER	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
E022	ASSISTANCE GRANT	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
F022	WEB TEAM	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
G022	WEB TEAM	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
H022	WEB TEAM	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
J022	WEB TEAM	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
K022	ASSISTANT DEVELOPMENT DIRECTOR	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
L022	DEVELOPMENT DIRECTOR	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
M022	COATS / STORAGE	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
N022	DEVELOPMENT OFFICER	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
P022	GRANTS ADMINISTRATION OFFICER	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
Q022	ADMINISTRATION	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
R022	RECEPTION	F1	B1	W1	W1	W1	W1	CT-2 / CT-3	7'-6" / 7'-8"	
S022	HALL	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
T022	HALL	F1	B1	W1	W1	W1	W1	CT-1	7'-8"	
024	MAIL COUNTER	F1	B1	W1	W1	W1	W1	CT-1	8'-0"	
A024	MAIL CART	F2	B2	W1	W1	W1	W1	CT-4	—	
B024	PRODUCTION ROOM	F1	B1	W1	W1	W1	W1	CT-1	8'-0"	
C024	ADMINISTRATION	F1	B1	W1	W1	W1	W1	CT-1	8'-0"	
D024	OPEN OFFICE	F1	B1	W1	W1	W1	W1	CT-1	8'-0"	
E024	OPEN OFFICE	F1	B1	W1	W1	W1	W1	CT-1	8'-0"	
F024	MAIL BOX	F1	B1	W1	W1	W1	W1	CT-1	8'-0"	
E000	CORRIDOR	F1	B1	W1	W1	W1	W1	CT-1 / CT-4	7'-8"	
E001	CORRIDOR	F1	B1	W1	W1	W1	W1	CT-2 / CT-3	7'-6" / 7'-8"	
E002	WALKWAY	F2	B2	W1	W1	W1	W1	CT-4	—	
S002	STAIR	F2	B2	W1	W1	W1	W1	CT-1	10'-6"	
D001	EXIST LOADING DOCK	F2	B2			W1	W1	CT-4	—	

BASE TYPES

B1	4" STRIGHT EDGE RUBBER BASE, SEE SPECIFICATION
B2	4" COVED RUBBER BASE, SEE SPECIFICATION

FLOOR FINISHES

F1	CARPET, SEE SPECIFICATION
F2	EXPOSED CONCRETE

WALL FINISHES

W1	PRIMED & PAINTED GYPSUM BOARD, SEE SPECIFICATION

GLAZING TYPES

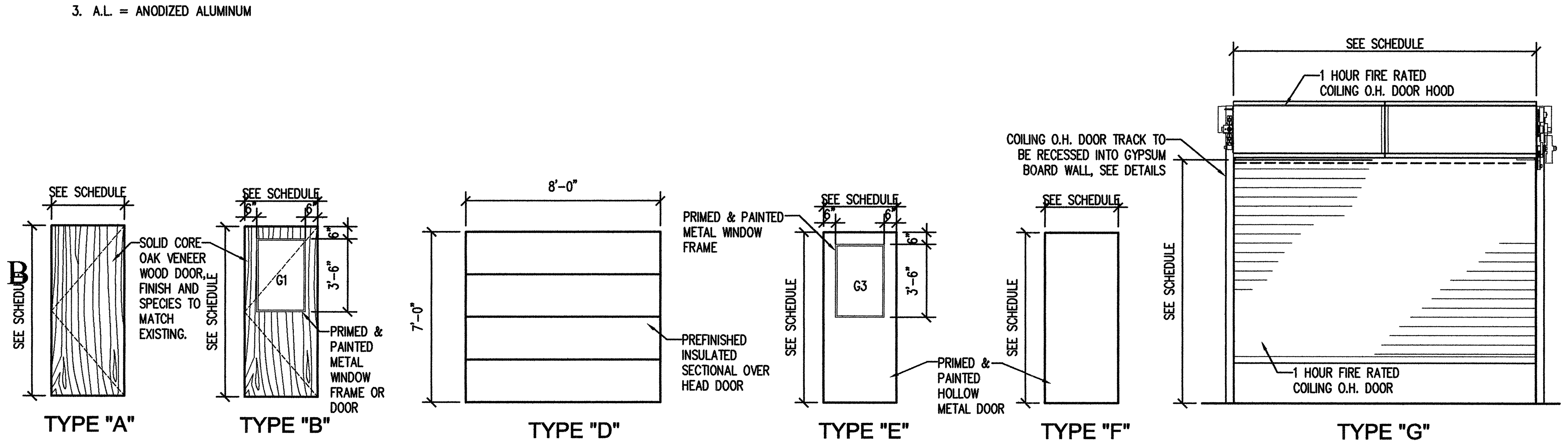
G1	¾" TEMPERED, CLEAR GLAZING
G2	¼" TEMPERED, CLEAR GLAZING
G3	1" INSULATED, TEMPERED, CLEAR GLAZING

CEILING TYPES

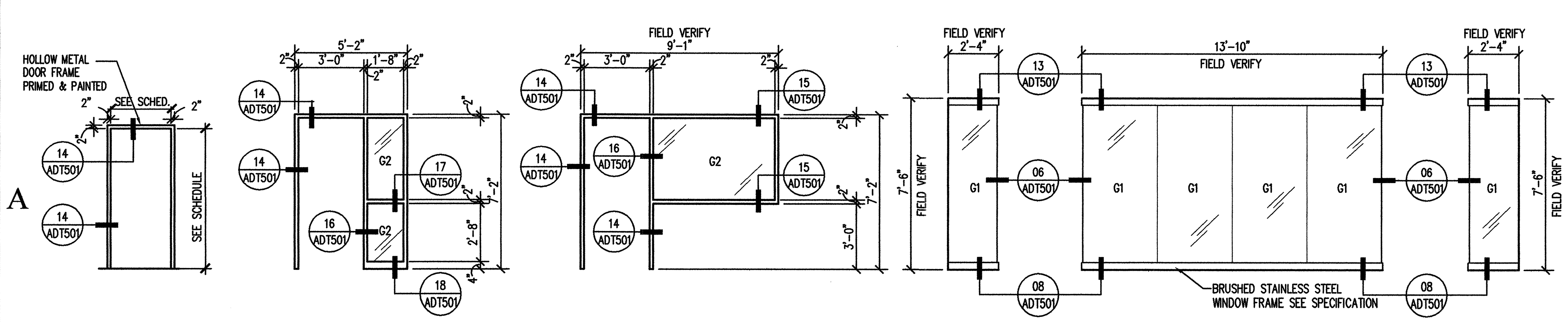
CT-1	NEW 2'x2' LAY-IN CEILING TILE IN NEW SUSPENDED GRID SYSTEM, SEE SPECITFICATION.
CT-2	PRIMED AND PAINTED NEW ⅝" TYPE "X" GYPSUM BOARD ATTACHED TO 3-⅝" METAL STUD FRAMING @ 16" O.C.
CT-3	ARMSTRONG OR EQUAL, WOOD WORKS, VECTOR "NATURAL VARIATIONS" WOOD 2'X2' CEILING SYSTEM WITH 15/16" VECTOR BLACK SUSPENSION SYSTEM.
CT-4	EXPOSED STRUCTURE

FINISH NOTES:

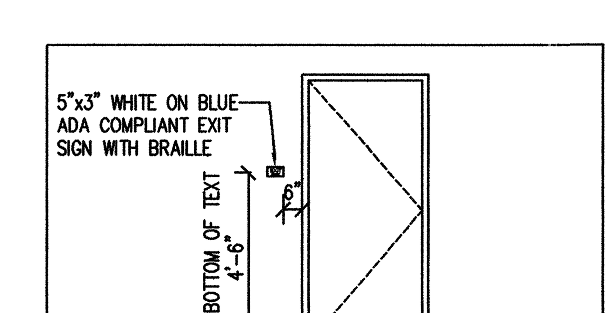
1. SEE PLANS FOR ADDITIONAL FINISH INFORMATION
2. SEE DRAWING AMS300 FOR STAIR FINISH NOTES
3. ALL DOOR FRAMES SHALL BE SPRAY PAINTED. PAINTING WITH A ROLLER OR BRUSH WILL NOT BE ACCEPTABLE.



04 ADT500 **DOOR TYPES** SCALE 1/4" = 1'-0"

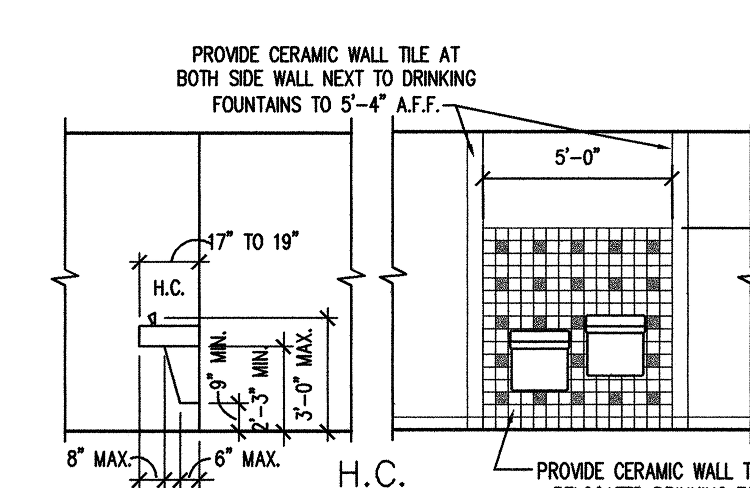


03 ADT500 **DOOR AND WINDOW FRAME TYPE** SCALE 1/4" = 1'-0"



PROVIDE THREE EXIT SIGNS
ONE AT DOOR 022T
ONE AT DOOR E000
AND ONE AT DOOR 022

02 ADT500 **BUILDING SIGNAGE** SCALE 1/4" = 1'-0"



H.C.
DRINKING FOUNTAIN

01 ADT500 **FOUNTAIN ELEVATION AND MOUNTING HEIGHT** SCALE 1/4" = 1'-0"

State of Utah
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STATE OF UTAH — SCOTT R. PRICE — 261110 — LICENSED ARCHITECT

architecture planning design

CONSULTANT:

PROJECT TITLE:
SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 21st July, 2009

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CAD PROJECT NO:
CAD DWG FILE:
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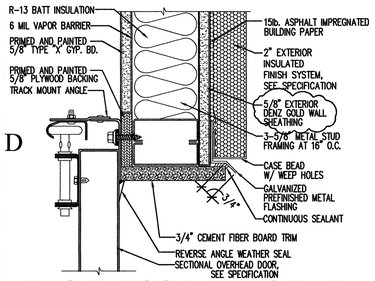
SHEET TITLE
DOOR AND FINISH SCHEDULES DOOR AND WINDOW TYPES

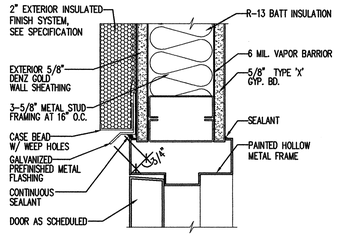
SHEET NUMBER
A-DT500

1 2 3 4 5

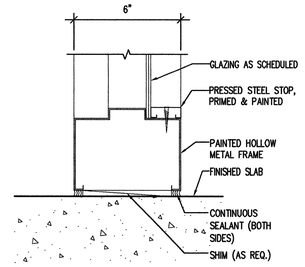
D



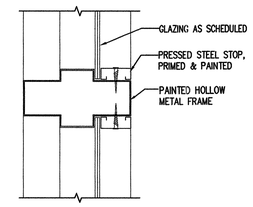
9-06.dwg 20 ADT501 **O.H. DOOR JAMB/HEAD** SCALE 3" = 1'-0"



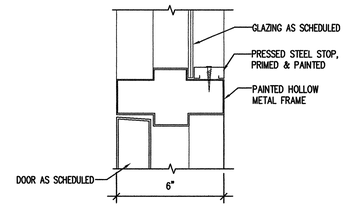
9-06.dwg 19 ADT501 **JAMB / HEAD DETAIL** SCALE 3" = 1'-0"



9-06.dwg 18 ADT501 **SILL DETAIL** SCALE 3" = 1'-0"

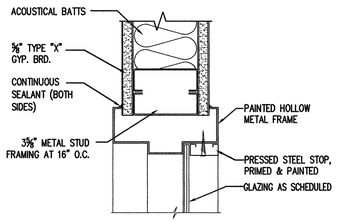


9-06.dwg 17 ADT501 **MULLION DETAIL** SCALE 3" = 1'-0"

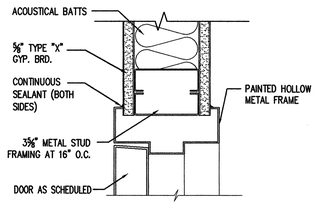


9-06.dwg 16 ADT501 **JAMB DETAIL** SCALE 3" = 1'-0"

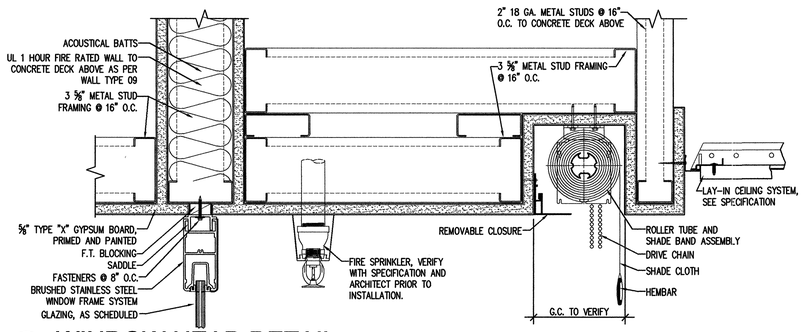
C



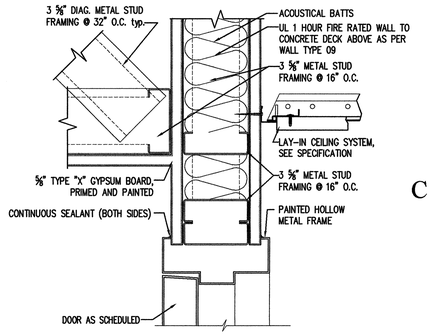
9-06.dwg 15 ADT501 **WINDOW DETAIL** SCALE 3" = 1'-0"



9-06.dwg 14 ADT501 **JAMB / HEAD DETAIL** SCALE 3" = 1'-0"

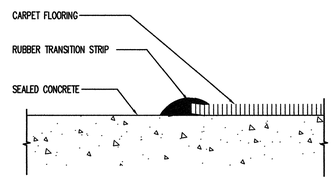


9-06.dwg 13 ADT501 **WINDOW HEAD DETAIL** SCALE 3" = 1'-0"

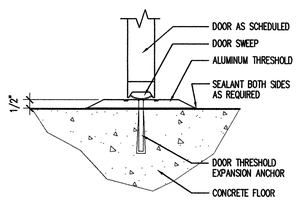


9-06.dwg 11 ADT501 **DOOR HEAD DETAIL** SCALE 3" = 1'-0"

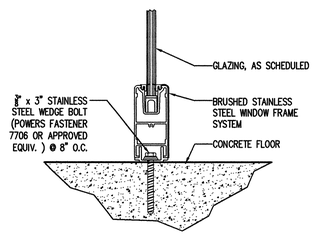
B



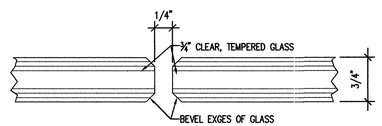
9(446).dwg 10 ADT501 **VCT THRESHOLD** SCALE 3" = 1'-0"



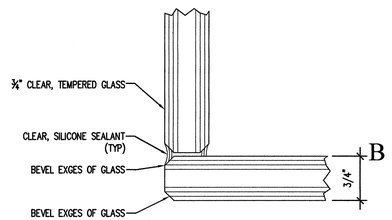
9-12.dwg 09 ADT501 **THRESHOLD** SCALE 3" = 1'-0"



9-06.dwg 08 ADT501 **WINDOW SILL DETAIL** SCALE

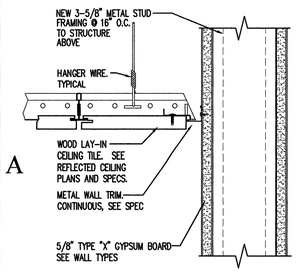


07 ADT501 **DOOR JAMB DETAIL** SCALE: FULL



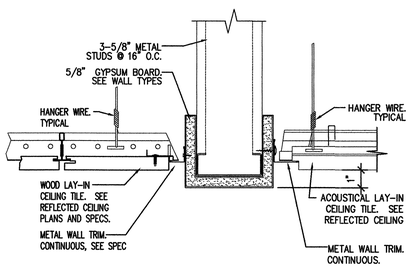
06 ADT501 **BUTT GLAZING DETAIL** SCALE: FULL

A



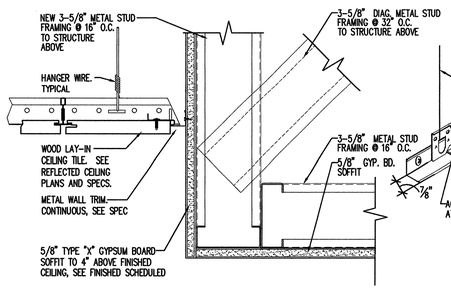
2(178).dwg 05 ADT501 **CEILING DETAIL** SCALE 3" = 1'-0"

1



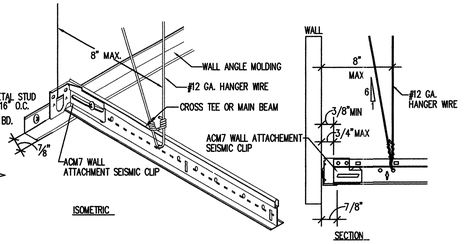
2(178).dwg 04 ADT501 **BULK HEAD DETAIL** SCALE: 3" = 1'-0"

2



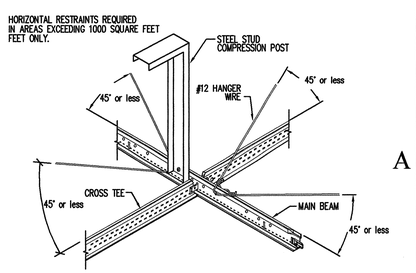
2(178).dwg 03 ADT501 **SOFFIT DETAIL** SCALE 3" = 1'-0"

3



T-02.dwg 02 ADT501 **LAY-IN CEILING DETAIL** SCALE 3" = 1'-0"

4



T-02.dwg 01 ADT501 **HORIZONTAL RESTRAINT** SCALE 3" = 1'-0"

5

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STATE OF UTAH REGISTERED 26110 LICENSED ARCHITECT

architecture planning design

CONSULTANT:

PROJECT TITLE:
SALT LAKE COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 21st July, 2009

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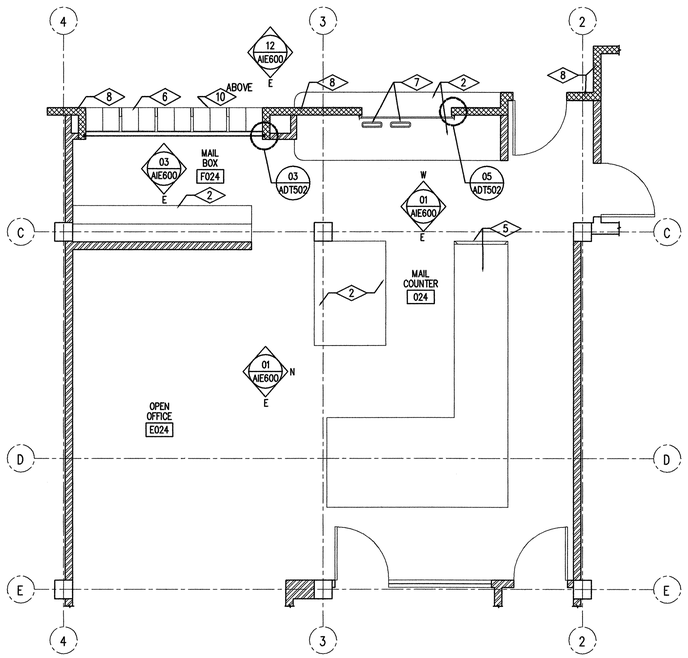
SHEET TITLE
CEILING, DOOR AND WINDOW DETAILS

SHEET NUMBER
A-DT501



08 ADT502 — 1-02.dwg

ENLARGED PLAN

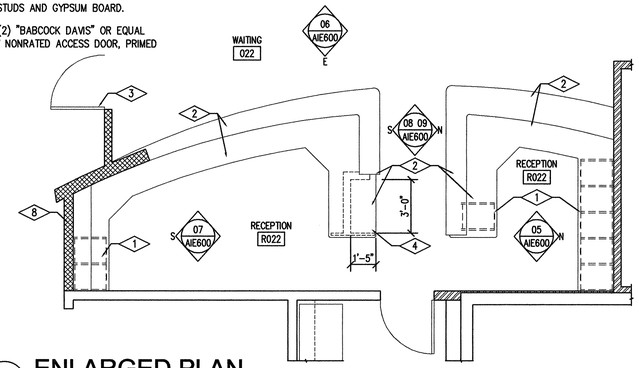
SCALE 1/4" = 1'-0"

REFERENCE NOTES

1. DASHED LINES INDICATE LOWER CABINETS, SEE INTERIOR ELEVATIONS
2. PLASTIC LAMINATE COUNTERTOPS, SEE SPECIFICATIONS
3. FIRE RATED DOOR AND FRAME SYSTEM ON MAGNETIC HOLD OPEN, SEE DOOR SCHEDULE AND ELECTRICAL DRAWINGS.
4. ADA COUNTER, SEE SECTION
5. EXISTING BASE CABINETS AND COUNTERTOP FROM DEMOLITION TO BE RELOCATED TO THIS LOCATION. COUNTER TOP TO BE CUT TO FIT FOR NEW SIZE. PROVIDE NEW 180 DEGREE HARDWOOD BULLNOSE AT CUT COUNTERTOP LOCATION.
6. RELOCATED METAL MAILBOXES, SEE DEMOLITION PLAN AND INTERIOR ELEVATIONS
7. PRMOLDED PLASTIC MAIL DROP SLOT GROMMETS TO BE CUT INTO NEW COUNTERTOP. COORDINATE WITH CABINETS BELOW
8. CROSS HATCH PATTERN INDICATES LOCATION OF UL 1 HOUR FIRE RATED WALL ASSEMBLY.
9. INFILL METAL STUDS AND GYPSUM BOARD.
10. PROVIDE TWO (2) "BABCOCK DAVIS" OR EQUAL 24"X24" B-NW NONRATED ACCESS DOOR, PRIMED AND PAINTED.

ADD ALTERNATE NO1

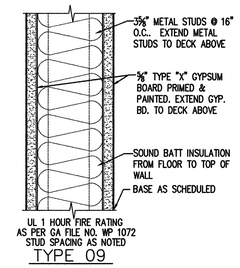
1. ADD ALTERNATE NO.1 IS FOR THE HIGHER AND LOWER COUNTERTOPS AT RECEPTION R022 CASEWORK TO RECEIVE SOLID SURFACING COUNTERTOP MATERIAL WITH 180 DEGREE BULLNOSE IN PLACE OF PLASTIC LAMINATE COUNTERTOPS.



07 ADT502 — 1-02.dwg

ENLARGED PLAN

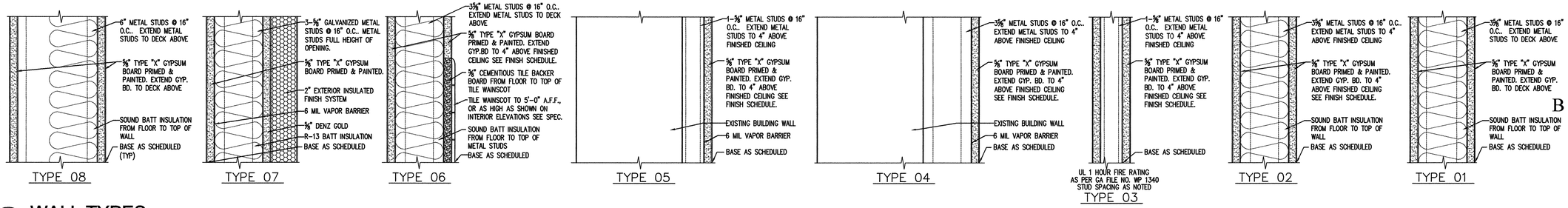
SCALE 1/4" = 1'-0"



07 ADT502 — 9-05.dwg

WALL TYPES CONT.

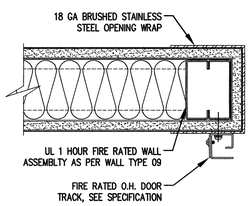
SCALE 3" = 1'-0"



06 ADT502 — 9-05.dwg

WALL TYPES

SCALE 3" = 1'-0"

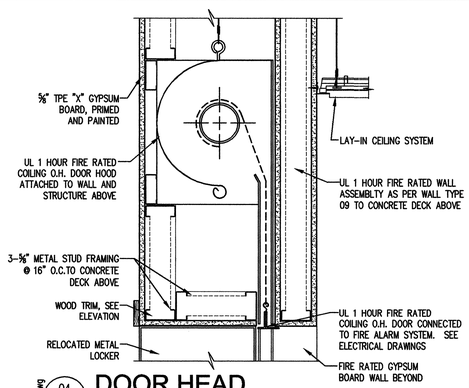


05 ADT502 — 9-05.dwg

DOOR JAMB

SCALE 3" = 1'-0"

1

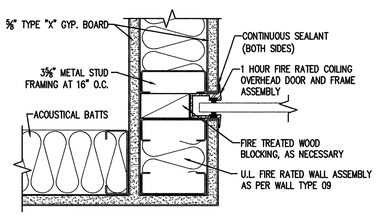


04 ADT502 — 9-05.dwg

DOOR HEAD

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

2

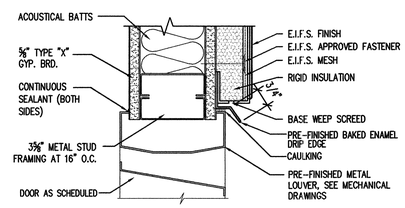


03 ADT502 — 9-05.dwg

DOOR JAMB

SCALE 3" = 1'-0"

3

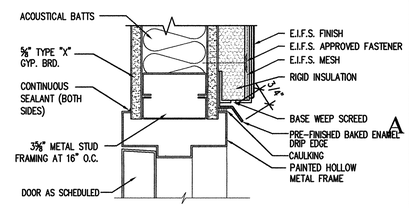


02 ADT502 — 9-05.dwg

LOUVER JAMB / HEAD

SCALE 3" = 1'-0"

4



01 ADT502 — 9-05.dwg

JAMB / HEAD DETAIL

SCALE 3" = 1'-0"

5

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Salt Lake Community College

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STATE OF UTAH KENT D. PARK 261110 LICENSED ARCHITECT 7/21/09

architecture planning design

CONSULTANT:

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 21st July, 2009

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CAD DWG FILE:
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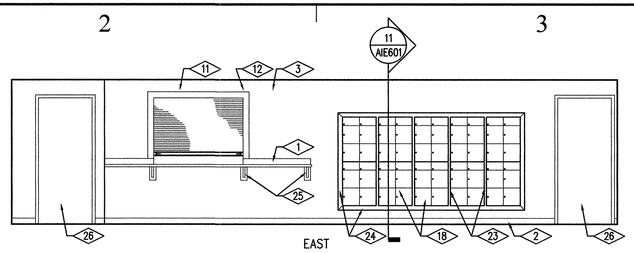
SHEET TITLE

DOOR DETAILS
WALL TYPES
ENLARGED PLANS

SHEET NUMBER

A-DT502



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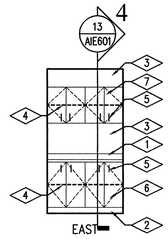

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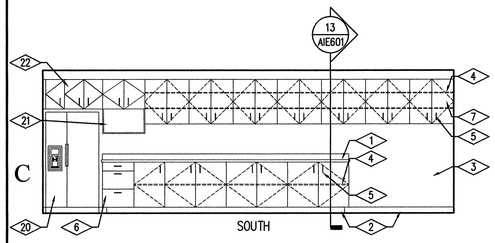

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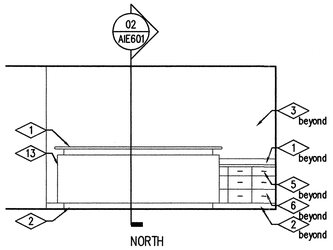

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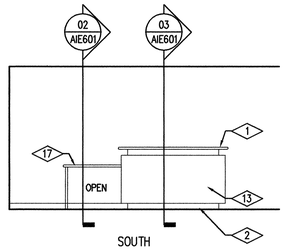

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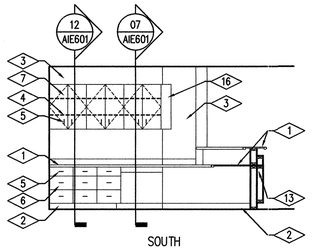

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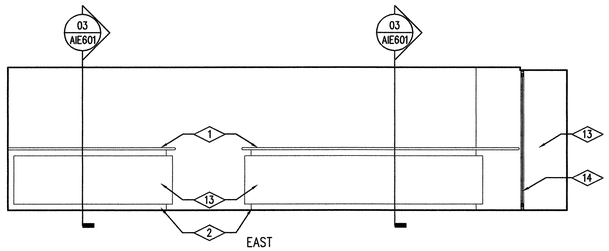

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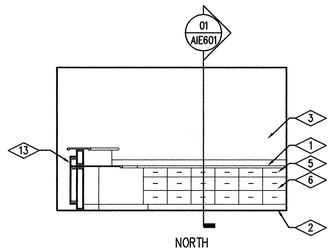

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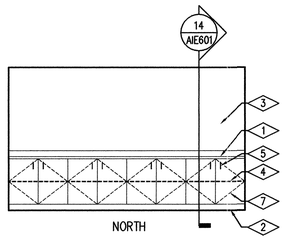

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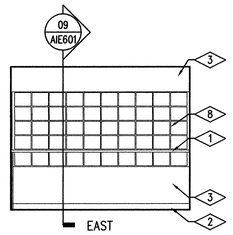

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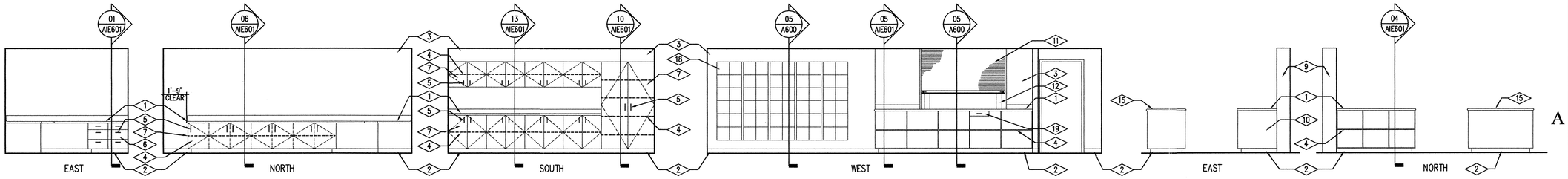

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9-05.dwg 01 AIE600 INT. ELE MAIL COUNTER RM024
SCALE 1/4" = 1'-0"

REFERENCE NOTES

1. PRE-FORMED PLASTIC LAMINATE COUNTERTOP W/ FULL 180 DEGREE BULL NOSE & PRE-FORMED BACKSPLASH, SEE SPECIFICATION
2. 4" STRIGHT EDGE RUBBER BASE, SEE SPECIFICATION
3. PRIMED AND PAINTED GYPSUM BOARD WALL, SEE FINISH SCHEDULE
4. PLASTIC LAMINATE OVER ¾" PLYWOOD SHELVES, SEE SECTION.
5. CASEWORK DOOR PULLS, SEE SPECIFICATION
6. PLASTIC LAMINATE DRAWERS WITH 3MM EDGE BANDING SEE SPECIFICATIONS AND SECTION.
7. PLASTIC LAMINATE CABINETS WITH 3 MM EDGE BANDING SEE SPECIFICATIONS AND SECTION.
8. PLASTIC LAMINATE OVER ¾" HIGH DENSITY PARTICAL BOARD MAIL SLOTS WITH 3MM PVC EDGE BANDING. SEE SECTIONS AND SPECIFICATIONS.
9. EXISTING CONCRETE COLUMN TO BE PRIMED AND PAINTED.
10. PLASTIC LAMINATE OVER ¾" HIGH DENSITY PARTICAL BOARD END PANEL. SEE SECTIONS AND SPECIFICATIONS.
11. U.L. 1 HOUR FIRE RATED COILING COUNTERTOP DOOR. PROVIDE ALL NECESSARY ELECTRCIAL CONNECTIONS, WIRE, CONDUIT AND SWITCH BOXES FOR PROPER OPERATION, SEE ELECTRICAL
12. PROVIDE BRUSHED 16GA. STAINLESS STEEL WRAP AT MAIL COUNTER TOP OPENING.
13. PLASTIC LAMINATE RECEPTION AREA COUNTER, SEE SECTIONS AND SPECIFICATIONS.
14. ALL GLASS ENTRANCE SYSTEM, SEE DOOR AND WINDOW TYPES AND SPECIFICATIONS.
15. EXISTING CABINETS AND COUNTERTOPS TO BE RELOCATED. CUT EXISTING COUNTER TO NEW LENGTH REQUIRED. PROVIDE NEW 180 DEGREE HARDWOOD BULLNOSE AT CUT COUNTERTOP LOCATION.
16. PLASTIC LAMINATE OVER ¾" HIGH DENSITY PARTICAL BOARD FILLER PANEL.
17. ADA COUNTER LOCATION, SEE SECTIONS.
18. RELOCATED METAL MAIL BOX SYSTEM, SEE DEMOLITION PLANS AND SECTION.
19. EXISTING CASH DRAWER TO BE RELOCATED. SEE DEMOLITION PLAN
20. REFRIGERATOR, BY OWNER, NOT IN CONTRACT.
21. PLASTIC LAMINATE MICORWAVE OVEN SHELF
22. PROVIDE 24" DEEP CABINETS OVER REFRIGERATOR
23. ACTUAL ⅝" THICK x 1 ½" WIDE CLEAR WHITE BIRCH WOOD MOLDING
24. ACTUAL ⅝" THICK x 3" WIDE CLEAR WHITE BIRCH WOOD MOLDING AT PERIMETER OF MAIL BOXES
25. PLASTIC LAMINATE OVER ¾"PLWOOD COUNTERTOP SUPPORT BRACKETS
26. DOOR AND FRAME SEE DOOR SCHEDULE

GENERAL NOTES

1. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES
2. CONTRACTOR SHALL PROVIDE ADDITIONAL STUDS BACKING AS REQUIRED FOR PARTITION, FIXTURE AND CASEWORK INSTALLATION.
3. CONTRACTOR TO FIELD VERIFY LOCATION AND PLACEMENT OF ALL FIXTURES AND ACCESSORIES AND COORDINATE WITH A.D.A. REQUIREMENTS
4. ALL CORNERS AND TERMINATORS AT TILE SHALL BE BULLNOSED
5. CONTRACTOR SHALL PROVIDE ADA PIPE PROTECTION AT ALL EXPOSED PIPING

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STATE OF UTAH ROBERT A. PAGE 261110 LICENSED ARCHITECT

architecture planning design

CONSULTANT:

PROJECT TITLE:

SALT LAKE
COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

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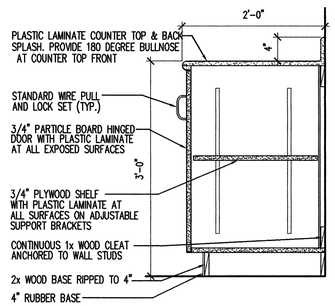
SHEET TITLE

INTERIOR ELEVATIONS

SHEET NUMBER

A-IE600



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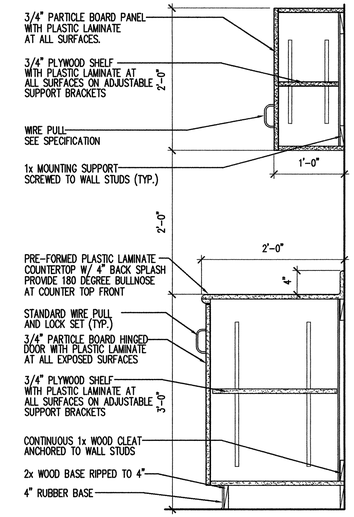

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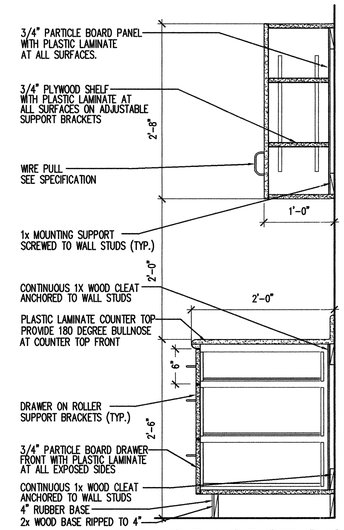

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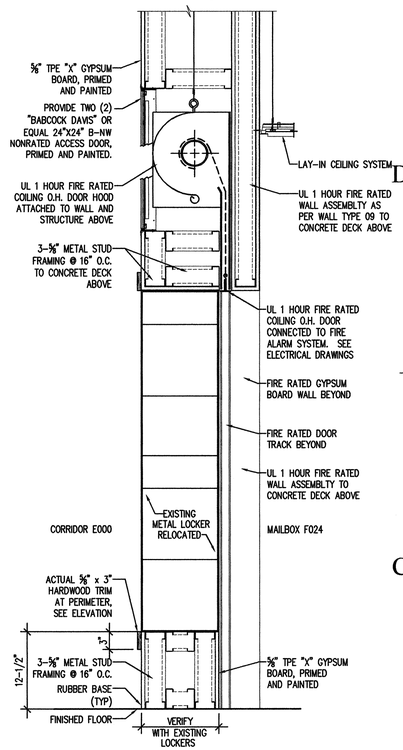

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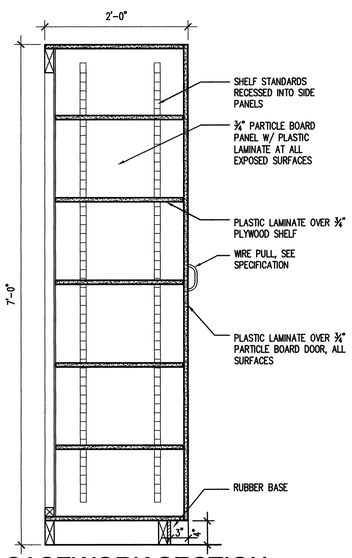

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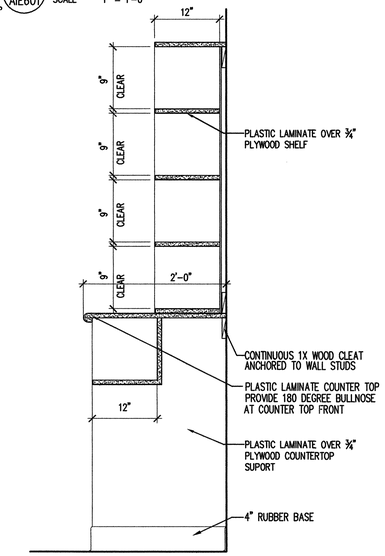

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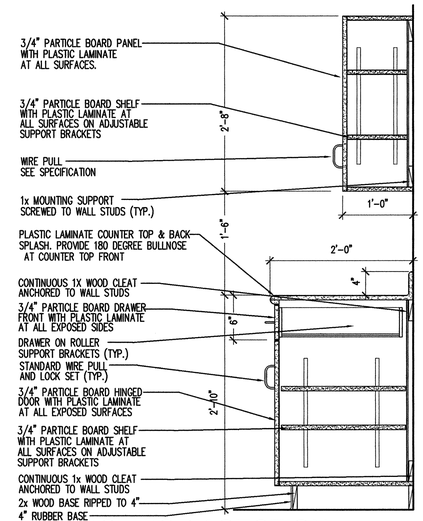

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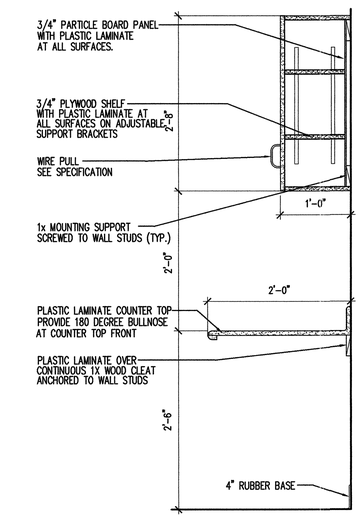

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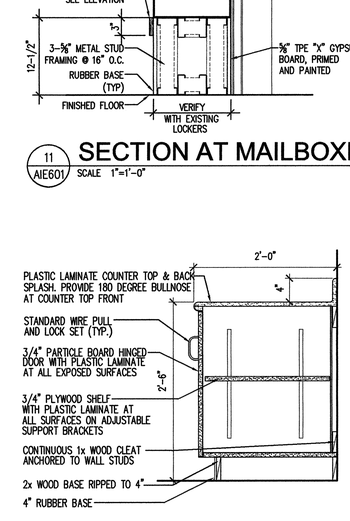

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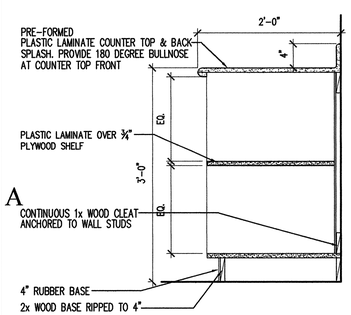

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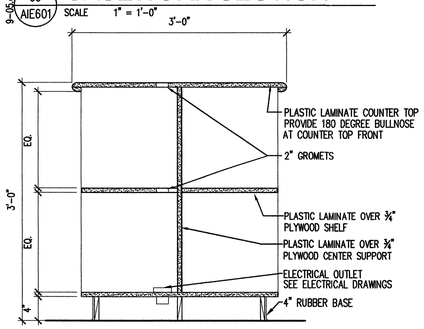

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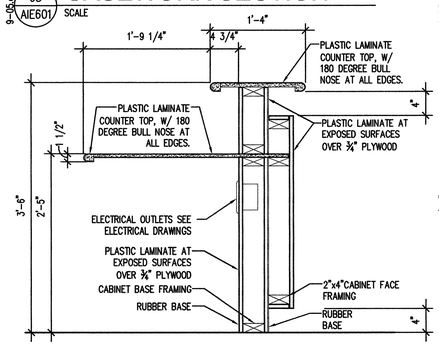

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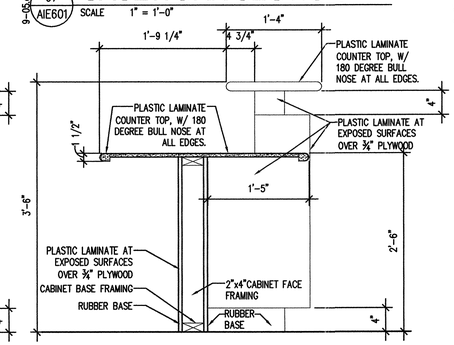

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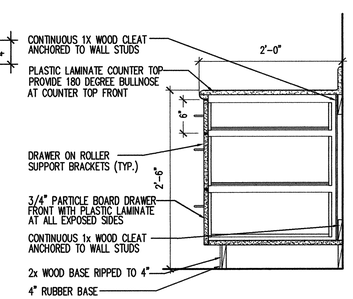

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SCALE 1" = 1'-0"

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CONSULTANT:

PROJECT TITLE:
SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

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SHEET TITLE
CASEWORK SECTIONS

SHEET NUMBER
A-IE601

DEMOLITION NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE STARTING WORK. THE ENGINEER OF RECORD SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
2. EXISTING MASONRY WALLS BEING REMOVED HAVE BEEN DETERMINED TO BE PARTITION WALLS. UPON REMOVAL OF MASONRY WALLS NOTIFY ENGINEER OF RECORD TO DETERMINE FINDINGS AND VERIFY.

01 / S-100 FOUNDATION DEMO PLAN

SCALE 3/16" = 1'-0"

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Salt Lake Community College

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U1044-009-091 DESIGNED BY - JSP DRAWN BY - MGP

PROFESSIONAL STRUCTURAL ENGINEER No. 5339760 JACOB S. PROCTOR STATE OF UTAH

AUG 13 2009

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL 4600 SOUTH REDWOOD ROAD TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

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SHEET TITLE

DEMOLITION PLAN

SHEET NUMBER

S-100

FOUNDATION NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE STARTING WORK. THE ENGINEER OF RECORD SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
2. CONTINUOUS SPECIAL INSPECTION IS REQUIRED AT ALL EPOXY GROUT APPLICATIONS.

CONCRETE

1. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318 LATEST APPROVED EDITION) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS AND SPECIFICATIONS.
2. REINFORCED CONCRETE DESIGN IS BY THE "ULTIMATE STRENGTH DESIGN METHOD", ACI 318-(LATEST EDITION)
3. SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTHS AND TYPES:

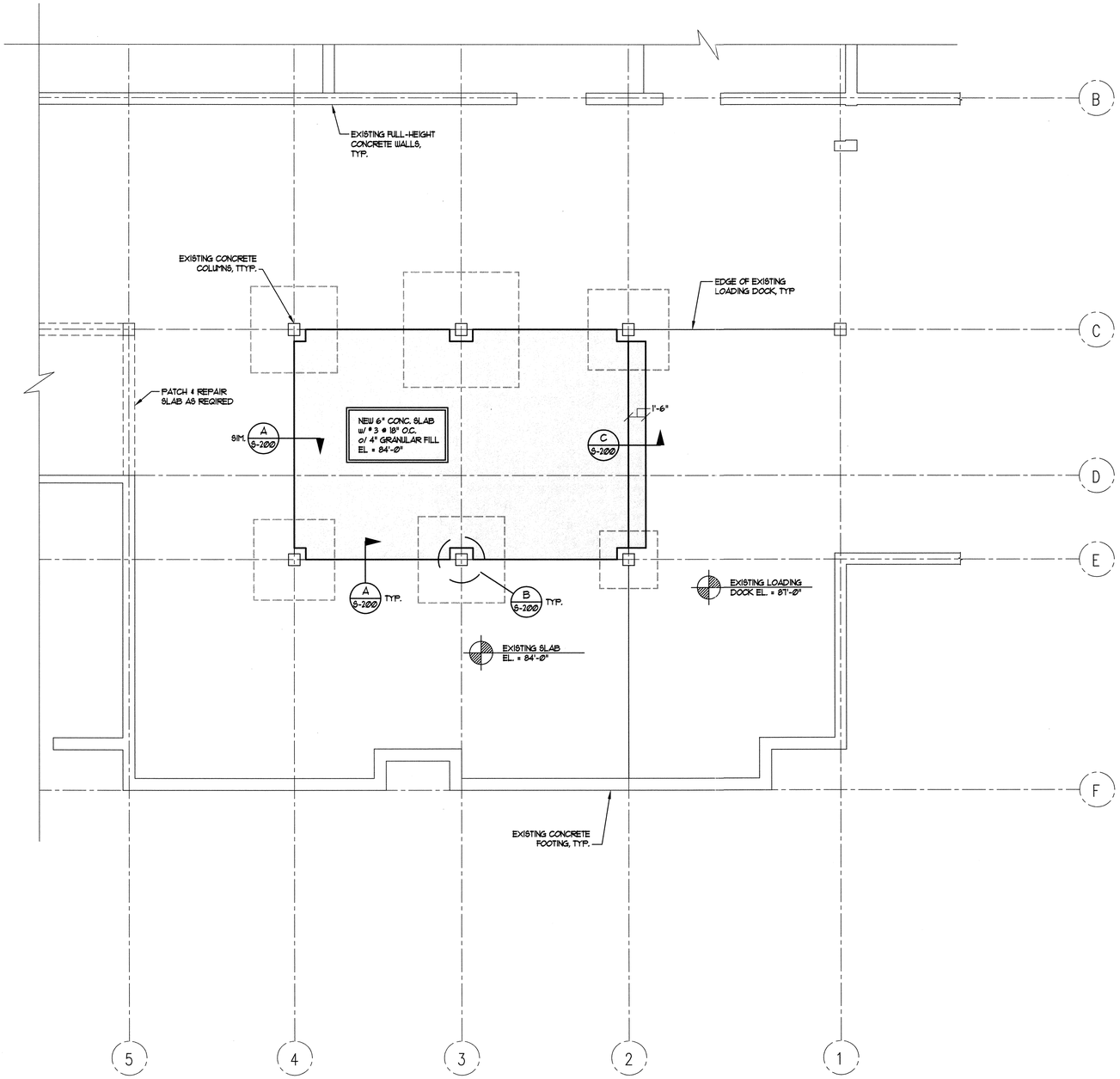
LOCATION IN STRUCTURE	STRENGTH PSI	TYPE
SLABS ON GRADE	4000	HARD ROCK
FOOTINGS	4000	HARD ROCK

DESIGN BASED ON 2500 PSI, 28-DAY STRENGTH, SPECIAL INSPECTION IS REQUIRED ONLY WHERE INDICATED ON FOUNDATION PLANS.

4. CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL WITH THE FOLLOWING REQUIREMENTS:
   A. COMPRESSIVE STRENGTH AT AGE 28 DAYS AS SPECIFIED ABOVE.
   B. LARGE AGGREGATE-HARDROCK, ¾" MAXIMUM SIZE CONFORMING TO ASTM C-33
   C. CEMENT-ASTM C-150, TYPE V PORTLAND CEMENT
   D. MAXIMUM SLUMP 5-INCHES, MAX WATER CEMENT RATIO: 0.50
   E. NO ADMIXTURES, EXCEPT FOR ENTRAINED AIR, AND AS APPROVED BY THE ENGINEER.
5. CONCRETE MIXING OPERATIONS, ETC. SHALL CONFORM TO ASTM C-94
6. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 614 AND PROJECT SPECIFICATIONS.
7. CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCING BARS SHALL BE AS FOLLOWS: CONCRETE POURED DIRECTLY AGAINST EARTH - 3 INCHES CLEAR, STRUCTURAL SLABS - 3/4 INCHES CLEAR (TOP AND BOTTOM), FORMED CONCRETE WITH EARTH BACK FILL - 2 INCHES CLEAR.
8. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
9. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING THAT MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
10. CONDUIT OR PIPE SIZE (O.D.) SHALL NOT EXCEED 30% OF SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP AND BOTTOM REINFORCING, UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED.
11. MODULUS OF ELASTICITY OF CONCRETE, WHEN TESTED IN ACCORDANCE WITH ASTM C-469, SHALL BE AT LEAST THE VALUE GIVEN BY THE EQUATIONS IN SECTION 8.5.1 OF ACI 318 FOR THE SPECIFIED 28-DAY STRENGTH.
12. SHRINKAGE OF CONCRETE, WHEN TESTED IN ACCORDANCE WITH ASTM C-157, SHALL NOT EXCEED 0.00040 INCHES/INCH.

REINFORCING STEEL

1. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615 GRADE 60.
2. ALL REINFORCING BAR BENDS SHALL BE MADE COLD
3. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6 INCHES OR ONE FULL MESH AND ONE HALF, WHICH EVER IS GREATER.
4. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
5. REBAR SPLICES ARE TO BE: CLASS "B"
6. REINFORCING SPLICES SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS.
7. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY.



PLAN NORTH

01 S-100 FOUNDATION PLAN

SCALE 3/16" = 1'-0"

State of Utah
Department of Administrative Services

Division of Facilities Construction & Management
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Salt Lake Community College

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U844-005-091 DESIGNED BY - JSP DRAWN BY - MGP

PROFESSIONAL STRUCTURAL ENGINEER No. 5339760 JACOB S. PROCTOR STATE OF UTAH

AUG 13 2009

PROJECT TITLE:

SALT LAKE
COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 8th May, 2009

DFCM PROJECT NO: 09003660
CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: MGP
CHK'D BY: JSP

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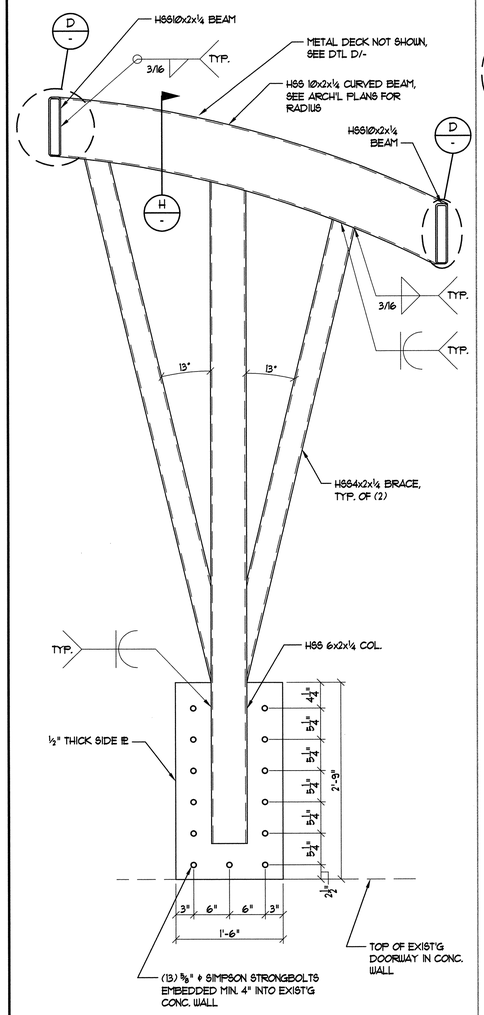
SHEET TITLE

FOUNDATION PLAN

SHEET NUMBER

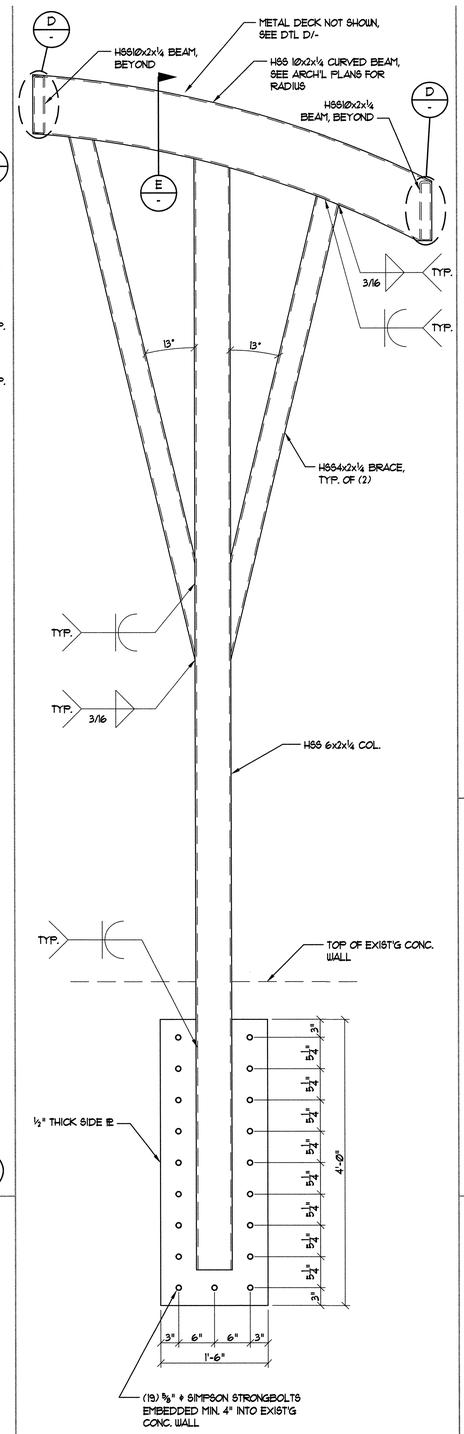
S-101



NOTE:
ADEQUACY OF EXISTING CONCRETE WALLS TO SUPPORT NEW CANOPY LOADS TO BE ANALYZED BY OTHERS.

CANOPY SOUTH COLUMN

N.T.S. (G)



NOTE:
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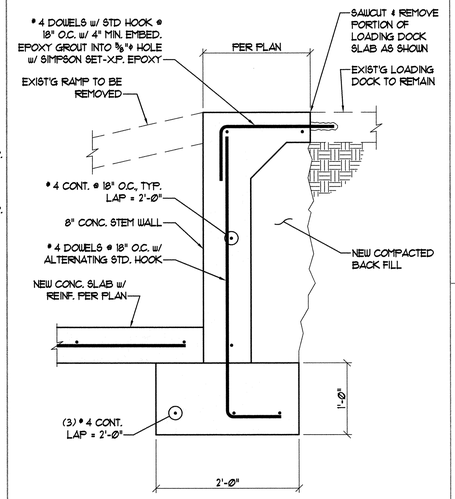
CANOPY NORTH COLUMN

N.T.S. (F)



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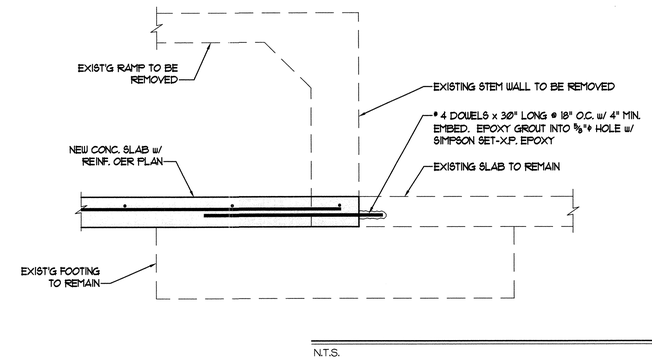

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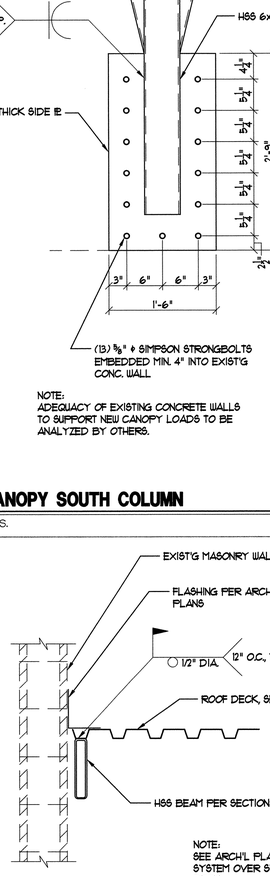
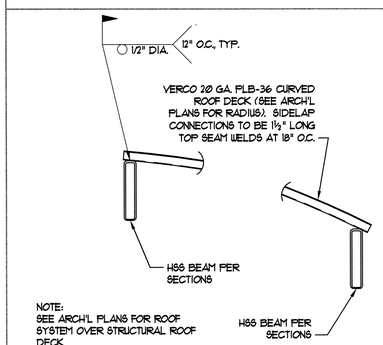


NOTE:
SEE ARCH'L PLANS FOR ROOF SYSTEM OVER STRUCTURAL ROOF DECK

N.T.S. (H)



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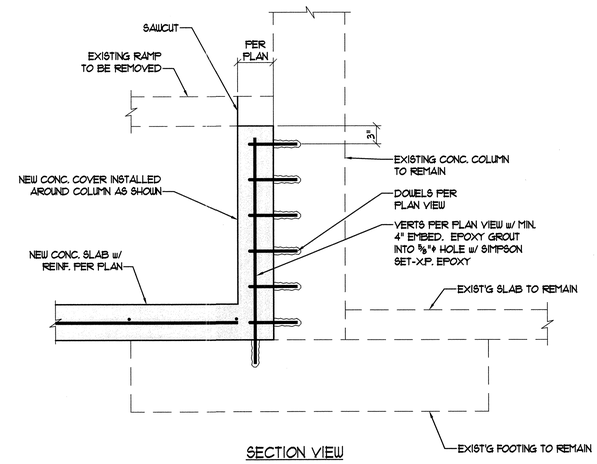
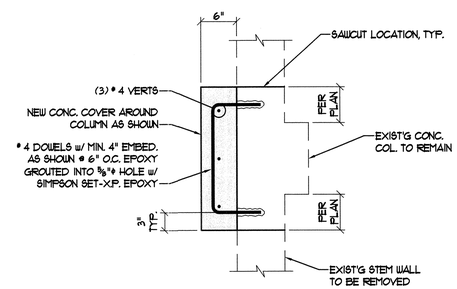
N.T.S. (D)



SECTION VIEW



PLAN VIEW

N.T.S. (B)

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AUG 13 2009

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SALT LAKE
COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 31st April, 2009

DFCM PROJECT NO:	09003660
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CHK'D BY:	JSP

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SHEET TITLE

DETAILS

SHEET NUMBER

S-200

SPECIAL INSPECTION AND TESTING (IBC 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
☒ Steel Construction ☒ Welding ☒ Details

STEEL (IBC1704.3)

Item			Reference/Comments
High Strength Bolting(1704.3.3)	☐ Continuous	☒ Periodic	VERIFY BOLT SIZE, NUMBER AND SPACING
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	VERIFY WELD SIZE, LENGTH AND STRENGTH
Floor & roof deck welds	☐ Continuous	☐ Periodic	
REINFORCEMENT STEEL	☐ Continuous		
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	
Steel placement	☐ Continuous	☐ Periodic	
Steel welding	☐ Continuous	☐ Periodic	
Bolts prior & during placement	☐ Continuous	☒ Periodic	VERIFY LOCATION, SIZE, AND STRENGTH
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	
Pre-cast concrete	☐ Continuous	☐ Periodic	
Posttentsioned concrete	☐ Continuous	☐ Periodic	
Form work	☐ Continuous	☐ Periodic	

MASONRY CONSTRUCTION (IBC1704.5)

Item	Reference/Comments
As masonry construction begins:	

Site prepared mortar	☐ Continuous	☐ Periodic	
Construction of mortar joints	☐ Continuous	☐ Periodic	
Location of reinforcement, connectors, pre-stressing tendons and anchorages	☐ Continuous	☐ Periodic	
Pre-stressing technique	☐ Continuous	☐ Periodic	
Grade and size of pre-stressing tendons and anchorages	☐ Continuous	☐ Periodic	
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	
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	
Construction and submittal compliance verification	☐ Continuous	☐ Periodic	
Empirical masonry – Cat. I-III (1708.1.1)	☐ Continuous	☐ Periodic	
Empirical masonry – Cat. IV (1708.1.1)	☐ Continuous	☐ Periodic	
Engineered masonry – Cat. I-III 1708.1.1	☐ Continuous	☐ Periodic	
Engineered masonry – Cat. IV (1708.1.1)	☐ Continuous	☐ Periodic	
Engineering & pre-stressing steel (1708.3)	☐ Continuous	☐ Periodic	
Structural steel (1708.4)	☐ Continuous	☐ Periodic	
Qualification of mechanical & electrical equipment (1708.5)	☐ Continuous	☐ Periodic	
Seismically isolated structures (1708.6)	☐ Continuous	☐ Periodic	
Testing for seismic resistance is	☐ Continuous	☐ Periodic	

WOOD CONSTRUCTION (IBC1704.6)

Item			Reference/Comments
Prefabricated elements & assembly	☐ Continuous	☐ Periodic	

SOILS CONSTRUCTION (IBC1704.7)

Item			Reference/Comments
Site preparation	☐ Continuous	☐ Periodic	

Structural fill material	☐ Continuous	☐ Periodic	
Structural fill lift thickness	☐ Continuous	☐ Periodic	
Structural fill soil 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	

PILE FOUNDATIONS (IBC1704.8)

Item			Reference/Comments
Observe driving operation and reporting	☐ Continuous	☐ Periodic	
Verify placement & installation data	☐ Continuous	☐ Periodic	

PIER FOUNDATIONS (IBC1704.9)

Item			Reference/Comments
Observe drilling operation and reporting	☐ Continuous	☐ Periodic	
Verify placement & installation data	☐ Continuous	☐ Periodic	

SPRAYED FIRE-RESISTANT MATERIALS (IBC1704.10)

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	

MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS (IBC1704.11)

Item			Reference/Comments
Material and instillation	☐ Continuous	☐ Periodic	

EXTERIOR INSTULATION AND FINISH SYSTEMS (EIFS) (IBC1704.12)

Item			Reference/Comments
Material and instillation	☐ Continuous	☐ Periodic	

ALTERNITIVE CONSTRUCTION METHODS OR MATERIALS (IBC1704.13)

Item			Reference/Comments
Material and instillation	☐ Continuous	☐ Periodic	

EPOXY (IBC1704.13)

Item			Reference/Comments
Material and instillation	☒ Continuous	☐ Periodic	VERIFY INSTALLATION PER MFR SPECIFICATION

SMOKE CONTROL (IBC1704.14)

Item			Reference/Comments
Material	☐ Continuous	☐ Periodic	

Instillation	☐ Continuous	☐ Periodic	

Special inspection for seismic resistance (IBC1707)

Item			Reference/Comments
Structural Steel (1707.2)	☐ Continuous	☐ Periodic	
Structural Wood (1707.3)	☐ Continuous	☐ Periodic	
Cold-formed steel framing (1707.4)	☐ Continuous	☐ Periodic	
Pier foundations (1707.5)	☐ Continuous	☐ Periodic	
Storage racks & access floors (1707.6)	☐ Continuous	☐ Periodic	
Architectural components (1707.7)	☐ Continuous	☐ Periodic	
Mechanical & electrical items (1707.8)	☐ Continuous	☐ Periodic	
Designated systems verification (1707.9)	☐ Continuous	☐ Periodic	
Seismic isolation systems (1707.10)	☐ Continuous	☐ Periodic	

Inspection of seismic resistance are not required per IBC 1705.3 ☐

OTHER

Item			Reference/Comments
	☐ Continuous	☐ Periodic	
	☐ Continuous	☐ Periodic	

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

NOTE:

ALL SPECIAL INSPECTION IS TO BE PER CHAPTER 17 OF THE 2006 IBC. COMMENTS LISTED THE REFERENCE/COMMENTS SECTION OF THE FORM ARE BRIEF BASIC EXPLANATIONS OF THE SPECIAL INSPECTIONS ONLY.

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AUG 13 2009

PROJECT TITLE:
SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS
ISSUE DATE: 8th May, 2009
DFCM PROJECT NO: 09003660
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CHK'D BY: JSP
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SHEET TITLE
SPECIAL INSPECTION FORMS

SHEET NUMBER
S-201

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

MECHANICAL

- POSITIVE PRESSURE DUCT – RISE
- POSITIVE PRESSURE DUCT – DROP
- NEGATIVE PRESSURE DUCT – RISE
- NEGATIVE PRESSURE DUCT – DROP
- ROUND DUCT – RISE
- ROUND DUCT – DROP
- UNDER FLOOR DUCT
- TURNING VANES
- FRESH AIR LOUVER
- RELIEF AIR OR EXHAUST AIR LOUVER
- 12X12 200 — CEILING SUPPLY DIFFUSER
- 22X22 200 — CEILING RETURN REGISTER
- 12X12 200 — CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
- 24X10 200 — SIDEWALL SUPPLY REGISTER
- 24X10 200 — SIDEWALL EXHAUST OR RETURN REGISTER
- 12X12 200 — CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
- 12X12 200 — CEILING AIR GRILLE WITH FLEXIBLE DUCT

  TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.
- CEILING RETURN AIR GRILE W/ SOUND BOOT
- 3-1" SLOTS @ 48" 400 — LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
- FLEXIBLE DUCT CONNECTION
- FLEXIBLE DUCT
- FAN
- 12/8 FO — FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
- 12/8 — RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
- 12ø — ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
- UP — INCLINED RISE
- DN — INCLINED DROP

  WITH RESPECT TO AIR FLOW 15° NOMINAL INCLINE WITH RADIUS TURNS=DEPTH OF DUCT.
- W R — R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
- 12/12 8/8 — RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
- 12/12 12ø — RECTANGULAR TO ROUND DUCT TRANSFORMATION
- R — BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
- 45° 1-90 2-90 DBL — TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
- 12ø 12/12 — HIGH EFFICIENCY FITTING
- MANUAL VOLUME DAMPER
- FD — FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
- FSD — COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
- SD — SMOKE DAMPER W/ ACCESS PANEL
- BDD — BACK DRAFT DAMPER
- ATC OR — ATC DAMPER
- AD — ACCESS PANEL IN DUCT OR PLENUM
- HEATING OR COOLING COIL IN DUCT
- SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2 TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
- 4-WAY BLOW PATTERN
- 3-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 1-WAY BLOW PATTERN
- SD — DUCT SMOKE DETECTOR
- UNIT HEATER

PLUMBING

- FLOOR SINK
- FLOOR DRAIN
- FCO COTG — FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
- ROOF DRAIN
- DOWNSPOUT NOZZLE
- ARROW INDICATES DIRECTION OF FLOW IN PIPE
- CHECK VALVE
- PRESSURE REDUCING, EXTERNAL PRESSURE VALVE
- PRESSURE REDUCING, SELF CONTAINED VALVE
- ATC VALVE – 2 WAY
- ATC VALVE – 3 WAY
- SOLENOID VALVE
- GATE VALVE
- GATE VALVE – NON RISING STEM
- GLOBE VALVE
- TEMPERATURE AND PRESSURE TEST PORT
- PS — PRESSURE SWITCH
- GAS COCK
- 18 GPM — CALIBRATED BALANCING VALVE WITH GPM INDICATED
- RPBP — REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
- BRANCH – BOTTOM CONNECTION
- BRANCH – TOP CONNECTION
- BRANCH – SIDE CONNECTION
- RISE OR DROP
- RISER – DOWN (ELBOW)
- RISER – DOWN (ELBOW)
- VTR — VENT THRU ROOF
- WATER HAMMER ARRESTOR
- INLINE PUMP
- INLINE PUMP
- CLEAN-OUT
- RELIEF VALVE
- ANGLE VALVE
- FLOW METER
- UNION
- BALANCING COCK
- SHUT-OFF COCK FOR USE WITH PRESSURE GAUGE
- FLEXIBLE EXPANSION JOINT
- THERMOMETER – TEMP RANGE AS INDICATED
- PRESSURE GAUGE WITH SHUT-OFF COCK
- PRESSURE GAUGE WITH PIGTAIL
- LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
- BALL VALVE (PIPE SIZES 2" AND SMALLER) BUTTERFLY VALVE (PIPE SIZES 2-1/2" AND LARGER)
- MOTOR OPERATED BUTTERFLY VALVE
- VALVE IN RISE
- AIR VENT-MANUAL
- AIR VENT-AUTO
- FLOW SWITCH
- REDUCER
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER

PLUMBING CONT.

- THERMOSTATIC MIXING VALVE
- HOSE BIBB
- PIPE CAP
- S — SWITCH
- S — SENSOR
- T — THERMOSTAT
- T N — NIGHT THERMOSTAT
- FILL PORT
- DRAIN PAN AND P-TRAP
- (NAME) — FIXTURE FROM LEVEL ABOVE
- GPM H LB/HR — FLOW METER ORIFICE
- FLANGE
- 90° ELBOW
- STEAM TRAP, F&T=FLOAT & THERMOSTATIC 45° ELBOW
- F&T — B=BUCKET, T=THERMOSTATIC
- DN — LEADER INDICATES DOWNWARD SLOPE
- DEMOLITION
- ALIGNMENT GUIDE
- ANCHOR
- LUBRICATED PLUG COCK

SYMBOLS

- P-1 — PLUMBING FIXTURES
- POINT OF CONNECTION
- A M-101 — SECTION TAG – TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
- A M101 — DETAIL TAG – TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
- EF 1 — EQUIPMENT IDENTIFICATION
- 1 — KEYED NOTE IDENTIFICATION

FIRE

- HOSE VALVE
- NRS GATE VALVE WITH SUPERVISION
- FLOW SWITCH
- FIRE RISER
- SPRINKLER HEAD
- F — FIRE SPRINKLER WATER

LINETYPES

- AV — ACID VENT
- AW — ACID WASTE
- BBD — BOILER BLOW DOWN
- BF — BOILER FEED WATER
- B — BRINE
- CO2 — CARBON DIOXIDE
- CA — COMPRESSED AIR
- CF — CHEMICAL FEED
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- CS — CONDENSER WATER SUPPLY
- CR — CONDENSER WATER RETURN
- DOMESTIC COLD WATER (DCW)
- DOMESTIC HOT WATER (DHW)
- DOMESTIC HOT WATER RETURN (DHWR)
- DI — DEIONIZED WATER SUPPLY
- DIR — DEIONIZED WATER RETURN
- E(NAME) — EXISTING PIPING
- (NAME) — EXISTING PIPING TO BE REMOVED
- GHR — GLYCOL HEAT RECOVERY PIPING
- G(NAME) — GLYCOL PIPING SOLUTION
- FOR — FUEL OIL RETURN
- FOS — FUEL OIL SUPPLY
- FOV — FUEL OIL VENT
- G — NATURAL GAS
- HG — HOT GAS
- HFR — HELICOPTER FUEL RETURN
- HFS — HELICOPTER FUEL SUPPLY
- HP(NAME) — HIGH PRESSURE DOMESTIC WATER
- HPC — HIGH PRESSURE CONDENSATE
- HPS — HIGH PRESSURE STEAM
- HWR — HEATING HOT WATER RETURN
- HWS — HEATING HOT WATER SUPPLY
- IA — INSTRUMENT AIR
- IA 120 — INSTRUMENT AIR AT PRESSURE INDICATED
- LA — LAB AIR
- LV — LAB VACUUM
- LPC — LOW PRESSURE CONDENSATE
- LPG — LIQUIFIED PETROLEUM GAS
- LPS — LOW PRESSURE STEAM
- MA — MEDICAL AIR
- MA 120 — MEDICAL AIR AT PRESSURE INDICATED
- MPC — MEDIUM PRESSURE CONDENSATE
- MPS — MEDIUM PRESSURE STEAM
- MUW — MAKE UP WATER
- MV — MEDICAL VACUUM
- N — NITROGEN
- N2O — NITROUS OXIDE
- OX — MEDICAL OXYGEN
- OX 120 — MEDICAL OXYGEN AT PRESSURE INDICATED
- PUMPED CONDENSATE

LINETYPES CONT.

- RO — REVERSE OSMOSIS WATER SUPPLY
- ROR — REVERSE OSMOSIS WATER RETURN
- RD — ROOF DRAIN
- RDO — ROOF DRAIN OVERFLOW
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- SEWER (BELOW GRADE)
- SEWER (ABOVE GRADE)
- SW — SOFT DOMESTIC WATER (SW)
- V — VACUUM
- VENT (SEWER)

MECH. GENERAL NOTES

1. CFM — ALL CEILING DIFFUSERS SHOWN AS SUCH ARE CD-1, CFM AS NOTED, UNLESS OTHERWISE NOTED. REFER TO DETAIL A4/M501.
2. ALL CEILING RETURN GRILLES SHOWN AS SUCH ARE RG-1 UNLESS OTHERWISE NOTED.
3. CFM — ALL CEILING EXHAUST GRILLES SHOWN AS SUCH ARE EG-1, CFM AS NOTED, UNLESS OTHER-WISE NOTED.
4. DO NOT ROUTE DUCTS AND PIPES ABOVE ELECTRICAL PANELS. ALL ELECTRICAL PANELS MUST HAVE CLEAR ACCESS SPACE IN FRONT OF PANEL 4'-0" DEEP AND 6'-6" HIGH. DO NOT ROUTE DUCTS AND PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM.
5. COORDINATE EXACT LOCATIONS OF CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
6. ALL DUCT DIMENSIONS ARE INSIDE FREE AREA DIMENSIONS. ADJUST SHEET METAL DIMENSION FOR LINED DUCT.
7. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
8. PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL EQUIPMENT, VALVES, VAV BOXES, FIRE DAMPERS, ETC. ARE LOCATED ABOVE INACCESSIBLE CEILINGS.
9. ALL DUCT AND FLUE PENETRATIONS THRU 1 HOUR ROOF ASSEMBLY TO BE ENCLOSED WITH 2 SHEET ROCK LAYERS FROM SHEET ROCK AT BOTTOM OF ROOF TRUSSES TO ROOF DECK.
10. STEEL ROOF DECK SHALL NOT BE USED TO SUPPORT LOADS FROM PIPING, DUCTWORK OR EQUIPMENT, UNLESS NOTED OTHERWISE. HANGER LOADS LESS THAN 50 LBS. MAY BE HUNG FROM THE STEEL ROOF DECK IN CASES WHEN HANGING FROM THE STEEL ROOF DECK CANNOT BE AVOIDED; THE ATTACHMENT METHOD MUST DISTRIBUTE THE LOAD ACROSS THE DECK AS APPROVED BY THE STRUCTURAL ENGINEER.

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LICENSED PROFESSIONAL ENGINEER — No. 189989 — STEVEN T. SHEPHERD — 10/5/09 — STATE OF UTAH

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL 4600 SOUTH REDWOOD ROAD TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 5th October, 2009

DFCM PROJECT NO: 09003660
CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: Ejuarez
CHK'D BY: Jbeck / Sshepherd

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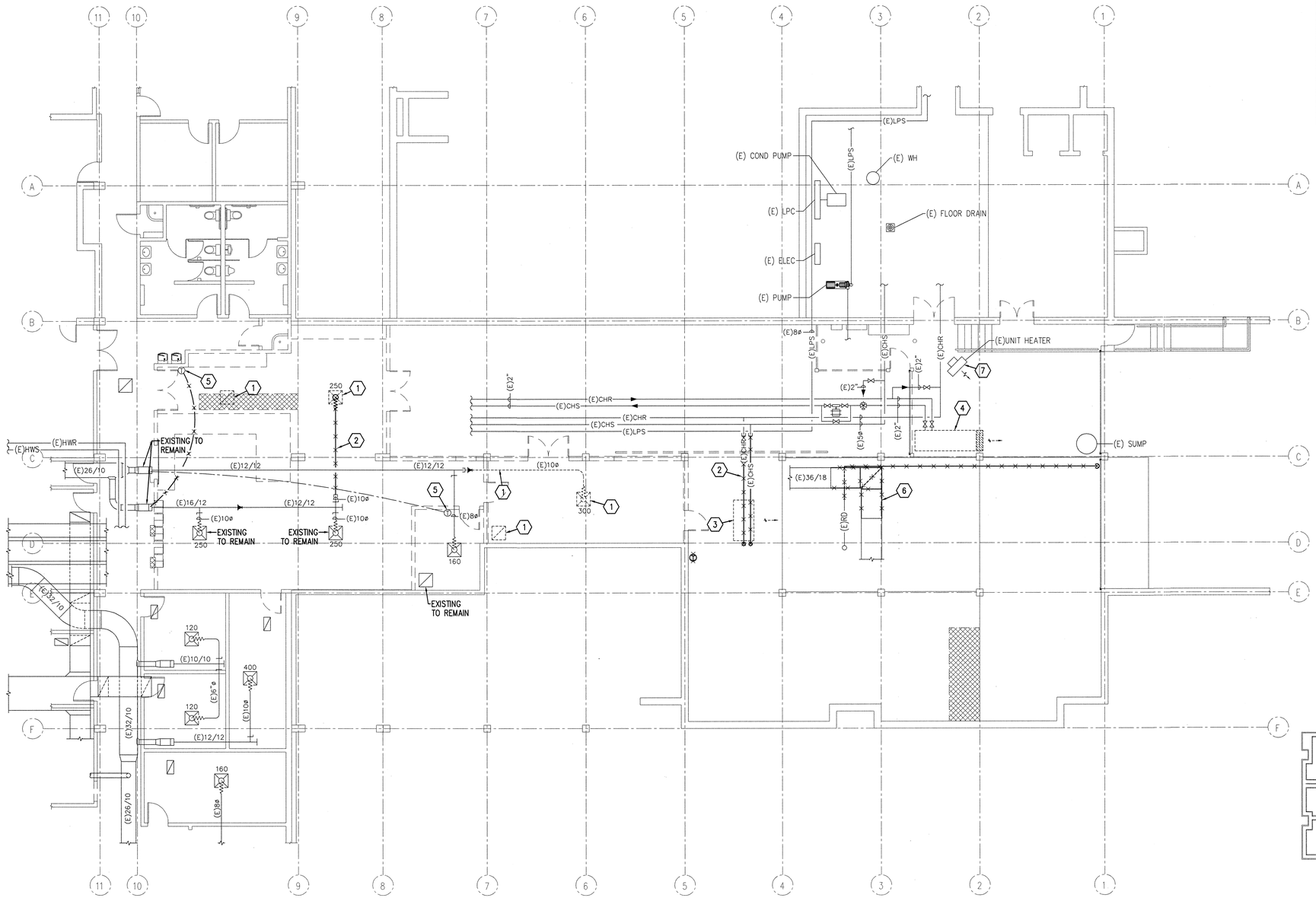
SHEET TITLE

MECHANICAL SYMBOLS AND ABBREVIATIONS

SHEET NUMBER

M001



0 4' 8' 16'

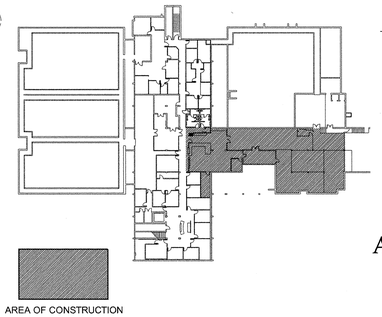
PLAN NORTH

A1 MD101 MECHANICAL DEMOLITION FLOOR PLAN

SCALE 1/8" = 1'-0"

KEYED NOTES

1. RELOCATE EXISTING DUCTWORK. SEE SHEET M101 FOR LOCATION.
2. REMOVE EXISTING DUCTWORK, PIPING AS SHOWN X'D.
3. RETURN EXISTING FAN COIL UNIT, DUCTWORK ETC. RETURN FAN COIL UNIT TO OWNER. CAP CHILLED WATER PIPING BACK TO MAIN. REMOVE CONDENSATE PIPING.
4. RELOCATE EXISTING REFRIGERATION UNIT, SEE SHEET MP101 FOR NEW LOCATION.
5. EXISTING THERMOSTAT TO REMAIN. SEE SHEET MP101 FOR NEW CONNECTION.
6. MODIFY EXISTING DUCTWORK TO ACCOMMODATE RAISING OF EXISTING ROOF DRAIN PIPE. RISE AND TRANSITION DUCT AS NECESSARY.
7. EXISTING UNIT HEATER. REMOVE STEAM AND CONDENSATE PIPING. CAP PIPING BACK TO MAINS.



AREA OF CONSTRUCTION

KEY PLAN BUILDING

SCALE 1/64" = 1'-0"

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LICENSED PROFESSIONAL ENGINEER No. 189989 STEVEN T. SHEPHERD 10/5/09 STATE OF UTAH

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL 4600 SOUTH REDWOOD ROAD TAYLORSVILLE, UTAH

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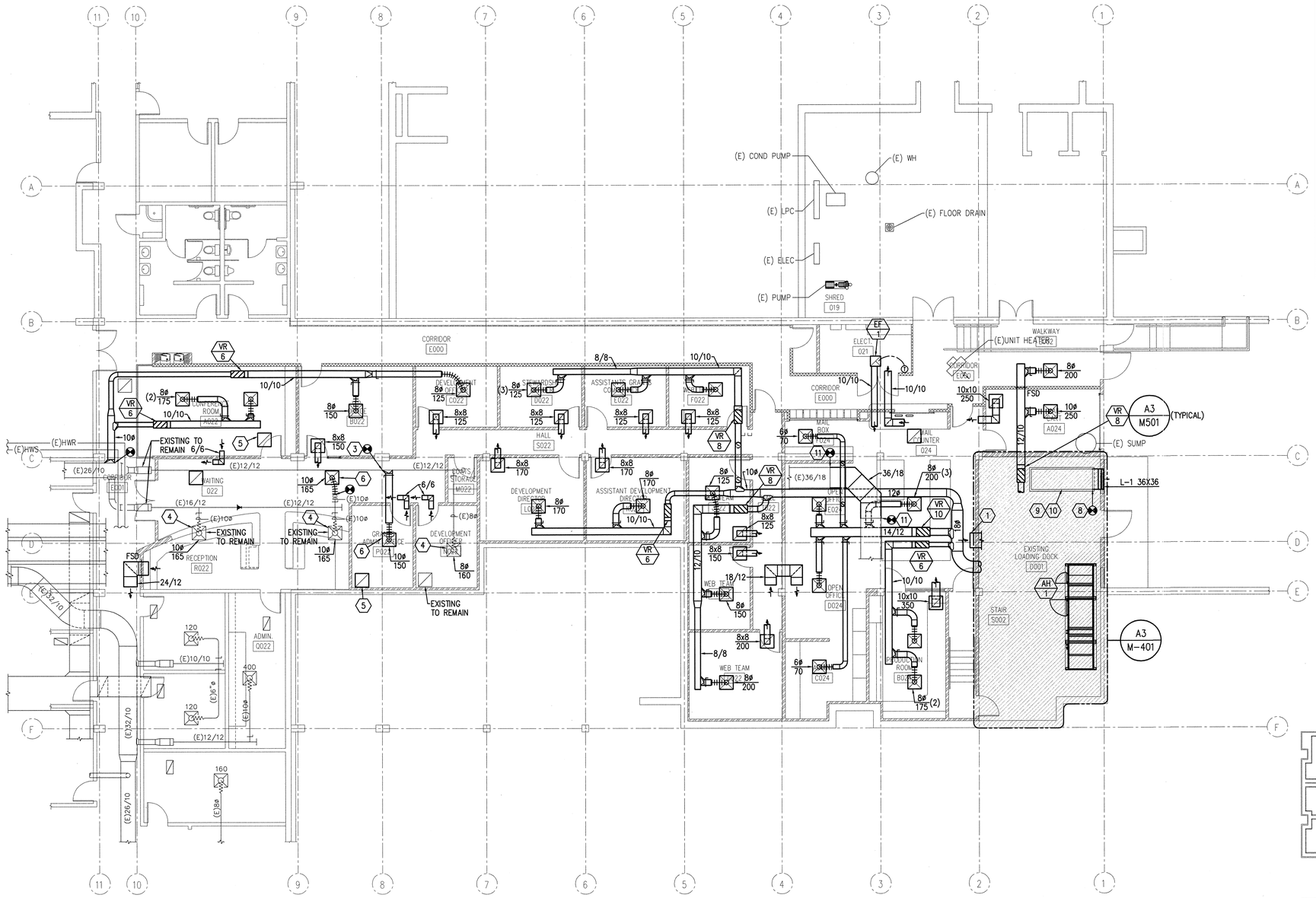
SHEET TITLE

MECHANICAL DEMOLITION FLOOR PLAN

SHEET NUMBER

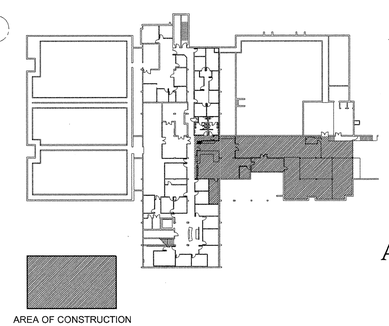
MD101



A1 M101 MECHANICAL FLOOR PLAN

SCALE 1/8" = 1'-0"

PLAN NORTH



AREA OF CONSTRUCTION

KEY PLAN BUILDING

SCALE 1/64" = 1'-0"

KEYED NOTES

1. RETURN AIR DUCT OPEN TO CEILING PLENUM.
2. PROVIDE OPENING FOR RETURN AIR ABOVE CEILING. AREA OF OPENING AS INDICATED.
3. RELOCATE EXISTING DUCTWORK. PROVIDE AND INSTALL NEW HIGH EFFICIENCY TAKE-OFF FITTING AND BALANCING DAMPER. BALANCE GRILLE TO CFM SHOWN.
4. BALANCE EXISTING SUPPLY DIFFUSER TO CFM SHOWN.
5. RELOCATED EXISTING RETURN AIR GRILLE.
6. RELOCATED EXISTING SUPPLY DIFFUSER. BALANCE TO CFM SHOWN.
7. COORDINATE WITH EXISTING DUCTWORK. PROVIDE ALL TRANSITION IN NEW DUCTWORK TO ACCOMMODATE EXISTING CONDITIONS.
8. EXTEND AND CONNECT NEW DUCT FROM RELOCATED REFRIGERATION UNIT TO NEW LOUVER.
9. NEW 4-INCH CONCRETE HOUSEKEEPING PAD.
10. MOUNT EXISTING RELOCATED CONDENSING UNIT ON FLOOR. PROVIDE VIBRATION ISOLATORS.
11. MODIFY EXISTING DUCTWORK TO ACCOMMODATE RAISING OF EXISTING ROOF DRAIN PIPE. RISE AND TRANSITION DUCT AS NECESSARY.

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LICENSED PROFESSIONAL ENGINEER No. 189989 STEVEN T. SHEPHERD 10/5/09 STATE OF UTAH

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL 4600 SOUTH REDWOOD ROAD TAYLORSVILLE, UTAH

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SHEET TITLE

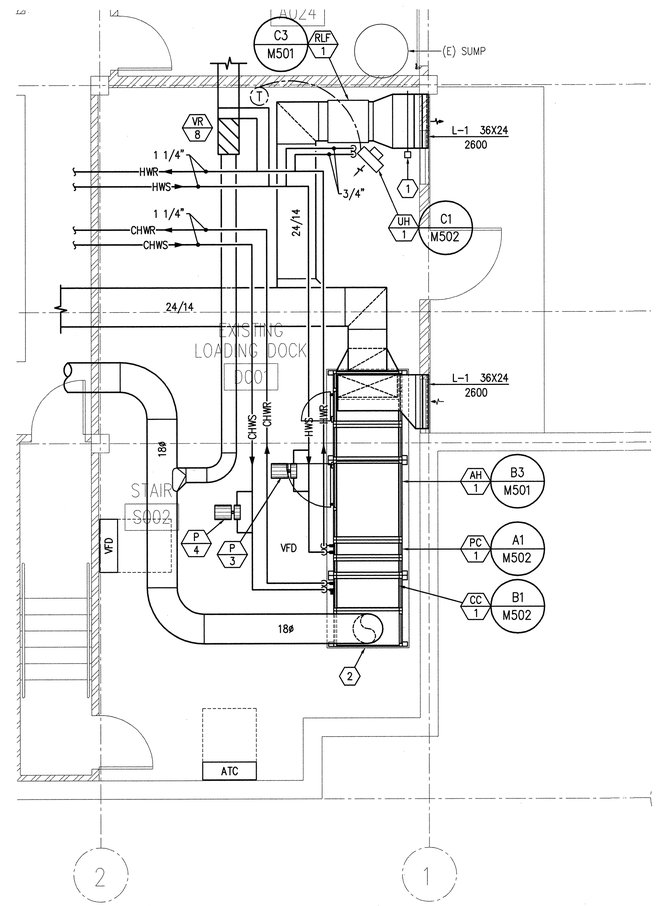
MECHANICAL FLOOR PLAN

SHEET NUMBER

M101

KEYED NOTES

1. AUTO RELIEF AIR DAMPER (BY ATC).
2. PROVIDE AND INSTALL 4-INCH CONCRETE HOUSEKEEPING PAD.



0 2' 4' 8'

N PLAN NORTH

A3 M401 LARGE SCALE MECHANICAL ROOM PLAN

SCALE 1/4" = 1'-0"

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LICENSED PROFESSIONAL ENGINEER No. 189989 STEVEN T. SHEPHERD 10/5/09 STATE OF UTAH

PROJECT TITLE:

SALT LAKE
COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

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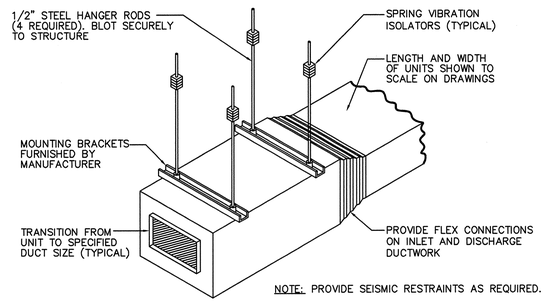
SHEET TITLE

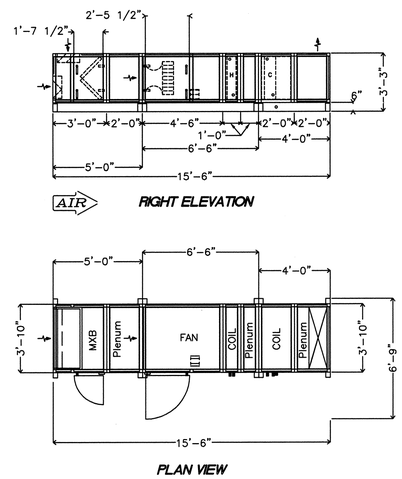
LARGE SCALE MECHANICAL ROOM PLAN

SHEET NUMBER

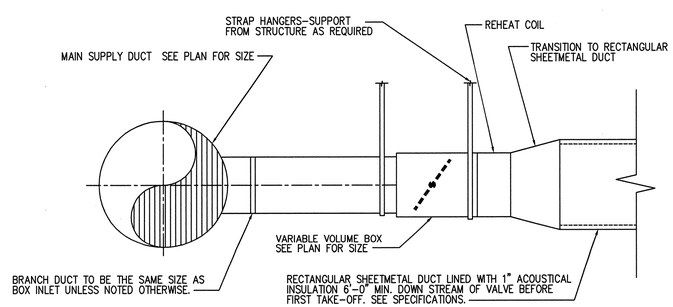
M401



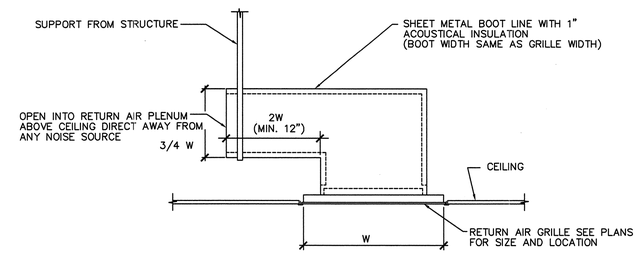
C3 / M501 INLINE RELIEF FAN DETAIL
NO SCALE



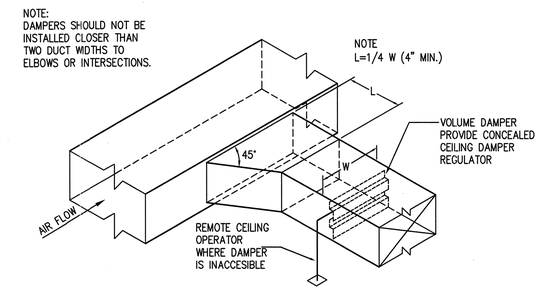
B3 / M501 AIR HANDLER DETAIL (AH-1)
SCALE: 1/4" = 1'-0"



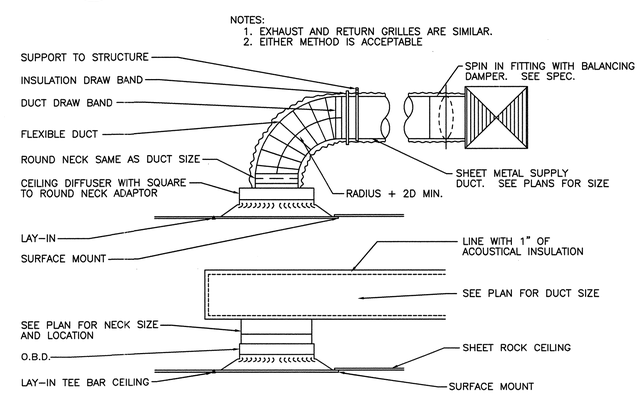
A3 / M501 VARIABLE VOLUME BOX DETAIL
NO SCALE



C4 / M501 RETURN AIR SOUND BOOT DETAIL
NO SCALE



B4 / M501 BRANCH DUCT TAKE-OFF & DAMPER DETAIL
NO SCALE



A4 / M501 CEILING DIFFUSER DETAIL
NO SCALE

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PROJECT TITLE:
SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

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CHK'D BY:	Jbeck / Sshepherd

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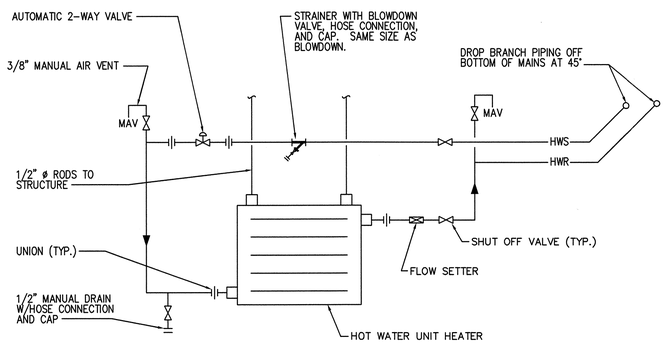
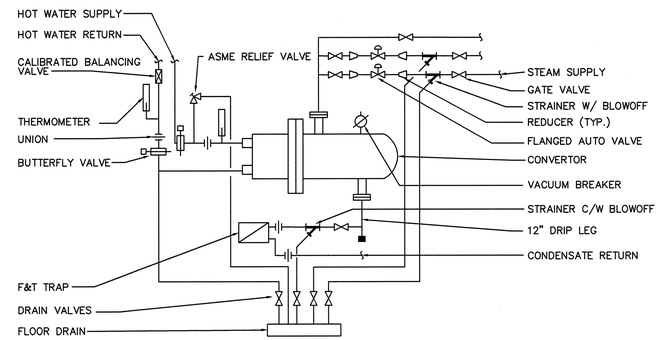
SHEET TITLE
MECHANICAL DETAILS

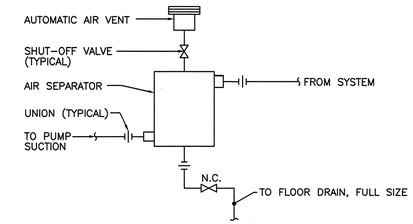
SHEET NUMBER
M501



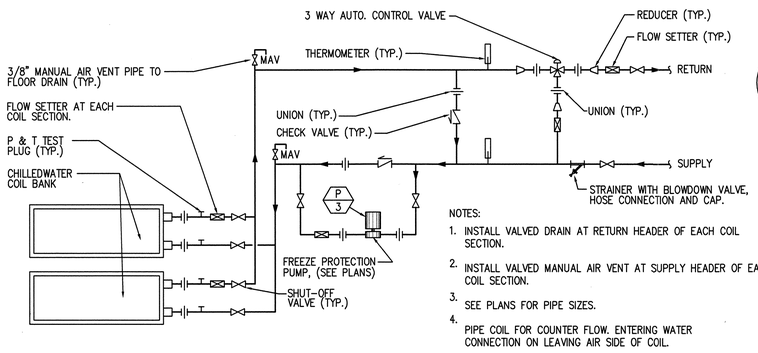
C1 / M502 HOT WATER UNIT HEATER PIPING DETAIL
NO SCALE



C3 / M502 STEAM TO HOT WATER CONVERTER PIPING DETAIL
NO SCALE

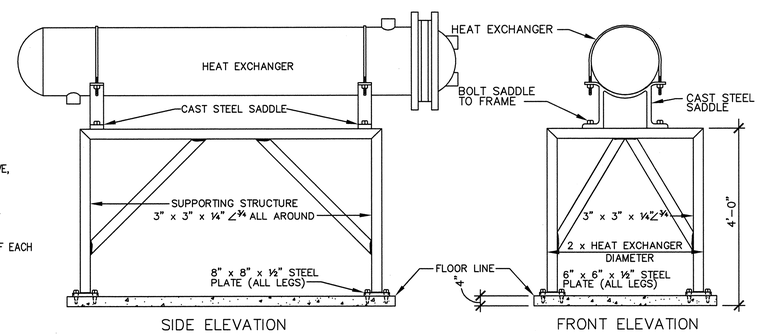


D4 / M502 AIR SEPARATOR DETAIL
NO SCALE

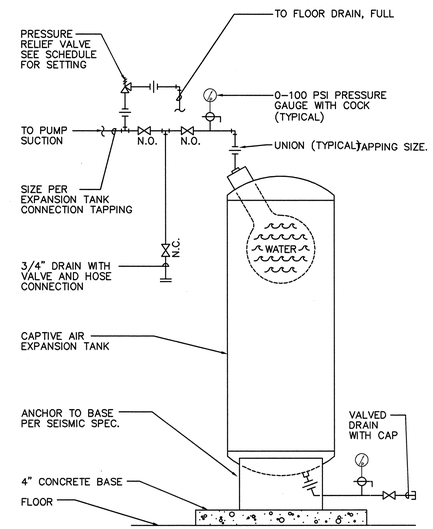


NOTES:
1. INSTALL VALVED DRAIN AT RETURN HEADER OF EACH COIL SECTION.
2. INSTALL VALVED MANUAL AIR VENT AT SUPPLY HEADER OF EACH COIL SECTION.
3. SEE PLANS FOR PIPE SIZES.
4. PIPE COIL FOR COUNTER FLOW. ENTERING WATER CONNECTION ON LEAVING AIR SIDE OF COIL.

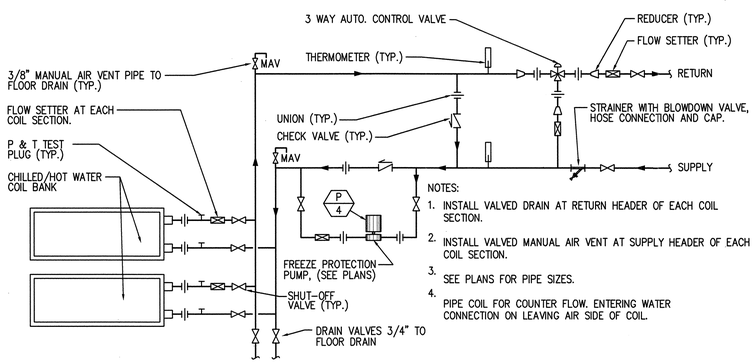
B1 / M502 COOLING COIL PIPING SCHEMATIC
NO SCALE



B3 / M502 HEAT EXCHANGER SUPPORT DETAIL
NO SCALE

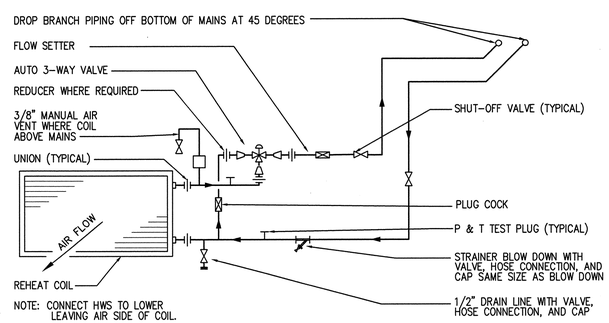


B4 / M502 EXPANSION TANK DETAIL
NO SCALE

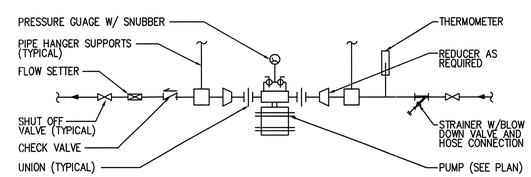


NOTES:
1. INSTALL VALVED DRAIN AT RETURN HEADER OF EACH COIL SECTION.
2. INSTALL VALVED MANUAL AIR VENT AT SUPPLY HEADER OF EACH COIL SECTION.
3. SEE PLANS FOR PIPE SIZES.
4. PIPE COIL FOR COUNTER FLOW. ENTERING WATER CONNECTION ON LEAVING AIR SIDE OF COIL.

A1 / M502 PREHEAT COIL PIPING SCHEMATIC (3-WAY VALVE, FREEZE PROTECTION PUMP)
NO SCALE



A3 / M502 REHEAT COIL W/3-WAY VALVE DETAIL
NO SCALE



A4 / M502 IN-LINE PUMP DETAIL
NO SCALE

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LICENSED PROFESSIONAL ENGINEER No. 189689 STEVEN T. SHEPHERD 10/5/09 STATE OF UTAH

PROJECT TITLE:
SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL
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CHK'D BY:	Jbeck / Sshepherd

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SHEET TITLE
MECHANICAL DETAILS

SHEET NUMBER
M502

AIR HANDLER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	AIR: SUPPLY AIRFLOW (CFM)	COMPONENTS: FANS	COILS	FILTERS	OTHER	ELECTRICAL: SINGLE POINT VOLT/PH/HZ	PHYSICAL: CABINET LENGTH/ WIDTH/HEIGHT (IN)	WEIGHT (LB)	NOTES
AH-1	CARRIER CUSTOM BUILT	MECHANICAL ROOM	2,600	SF-1	PC-1, CC-1	8.9	NA	460/3/60	150 / 46 / 39	2,300	

COIL SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	USAGE	AIR: AIRFLOW RATE (CFM)	LOAD (BTU/H)	SENSIBLE LOAD (BTU/H)	ENTERING TEMP. DB/WB (°F)	LEAVING TEMP. DB/WB (°F)	STATIC PRESSURE (IN. WATER)	FLUID: FLOW RATE (GPM)	ENTERING/ LEAVING TEMP. (°F)	WORKING FLUID	HEAD LOSS (FT)	PHYSICAL: NO. COILS	FACE VELOCITY (FPM)	MINIMUM FACE AREA (FT²)	MINIMUM NO. ROWS/ FINS PER INCH	NOTES
CC-1	CARRIER	AH-1	COOLING	2,600	66.19	62.93	80 / 62	54 / 53	0.33	13.2	45 / 55	WATER	4.0	1	440	5.9	6 / 8	1
PC-1	CARRIER	AH-1	HEATING	2,600	157.53	157.53	15	80	0.13	16.6	180 / 160	WATER	1.1	1	440	5.9	2 / 8	1

1. ALL CAPACITIES AT 4500 FT. ELEVATION.

FAN SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR TYPE	AIR: MAXIMUM AIRFLOW RATE (CFM)	STATIC PRESSURE (IN. WATER)	FAN: FAN SPEED (RPM)	ELECTRICAL: MOTOR SIZE (HP)	MOTOR BHP (HP)	MOTOR SPEED (RPM)	VOLT/PH/HZ	PHYSICAL: WEIGHT (LB)	NOTES
SF-1	CARRIER	AH-1	NOTE 1	SUPPLY AIR	2,600	4.0	2128	5	3.1	1800	460/3/60	NA	1,2
RLF-1	COOK GN-1000	MECHANICAL ROOM	NOTE 3	REL	2000	0.35	1100	1/2	0.418	1750	120/1/60	200	2,3

1. CLASS II 12 BLADE PLENUM FAN
2. CAPACITIES BASED ON 4,500 FEET ELEVATION.
3. INLINE EXHAUST FAN PROVIDE GRAVITY BACKDRAFT DAMPER, INTERGRAL THERMAL OVERLOAD PROTECTION AND DISCONNECT.

STEAM-TO-HYDRONIC HEAT EXCHANGER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	USAGE	LOAD (BTU/H)	SHELL SIDE - SOURCE MEDIUM (STEAM): FLOW RATE (LB/H)	ENTERING PRESSURE (PSIG)	IN TUBE	TUBE SIDE - TRANSFER MEDIUM (HYDRONIC): FLOW RATE (GPM)	ENTERING/ LEAVING TEMP. (°F)	WORKING FLUID	HEAD LOSS (FT)	PHYSICAL: SHELL DIA./ LENGTH/ (IN/IN)	SURFACE AREA (FT²)	NOTES
HX-1	BELL & GOSSETT SU 4 3-2	MECHANICAL	NOTE 1	HEATING	190,556	197.3	2	2	21.8	160 / 180	WATER	0.3	4 / 36	6.8	1

1. SHELL AND TUBE HEAT EXCHANGER

PUMP SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID: FLOW RATE (GPM)	WORKING FLUID	HEAD LOSS (FT)	PUMP: EFFICIENCY (%)	CONSTRUCTION	ELECTRICAL: MOTOR SIZE (HP)	MOTOR BHP (HP)	MOTOR SPEED (RPM)	VOLT/PH/HZ	NOTES
P-1	BELL & GOSSETT 90 1-1/2A	MECHANICAL	H.WATER	21.8	WATER	40	42.7%	INLINE PUMP	1	0.47	1750	460/3/60	
P-2	BELL & GOSSETT 90 1-1/2A	MECHANICAL	H.WATER	21.8	WATER	40	42.7%	INLINE PUMP	1	0.47	1750	460/3/60	
P-3	BELL & GOSSETT PL-30	FAN ROOM	PRE-HEAT	11.0	WATER	10	-	INLINE PUMP	1/12	1/12	1750	120/1	
P-4	BELL & GOSSETT PL-30	FAN ROOM	PRE-HEAT	13.2	WATER	10	-	INLINE PUMP	1/12	1/12	1750	120/1	

AIR SEPARATOR SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID: FLOW RATE (GPM)	WORKING FLUID	HEAD LOSS (FT)	NOTES
AS-1	BELL & GOSSETT RL-2	MECHANICAL	HEATING	21.8	WATER	3	1

1. ASME CERTIFIED

CONDENSATE RETURN, PUMP SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	CONDENSATE: FLOW RATE (GPM)	DISC. PRESSURE (FT)	PUMP: CONFIGURATION	ELECTRICAL: NUMBER OF PUMPS	MOTOR SIZE (EACH PUMP) (HP)	MOTOR SPEED (RPM)	VOLT/PH/HZ	NOTES
CP-1	MEPCO CRVD120-2ECI	MECHANICAL	1 - 1/2	20	DUAL PUMPS	2	1/3	3450	120/1/60	1,2

1. UNIT SHALL BE FURNISHED WITH NEMA 1 CONTRL PANEL, INCLUDING MAGNETIC STARTER AND THREE POSITION SLECTOR SWITCH FOR EACH PUMP
2. PROVIDE STEEL TANK

EXPANSION TANK SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID: WORKING FLUID	MIN. TANK/ ACCEPTANCE (GAL)	PHYSICAL: TANK SIZE (GAL)	RELIEF VALVE (PSIG)	DIA./ HEIGHT (IN)	NPT FITTING (IN)	NOTES
ET-1	BELL & GOSSETT D-20V	MECHANICAL	HEATING	WATER	10.9 / 2.5	10.9	60	12 / 19	1/2	1

1. ASME CERTIFIED

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VBFA Project Number:9131
LICENSED PROFESSIONAL ENGINEER No. 189488 STEVEN T. SHEPHERD 10/5/09 STATE OF UTAH

PROJECT TITLE:
SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

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DRAWN BY: Ejuarez
CHK'D BY: Jbeck / Sshepherd

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SHEET TITLE
MECHANICAL SCHEDULES

SHEET NUMBER
M601

HOT WATER UNIT HEATER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	USE TYPE	AIR: AIRFLOW RATE (CFM)	AIR: LOAD (MBH)	AIR: EAT / LAT DB (°F)	FLUID: FLOW RATE (GPM)	FLUID: EWT / LWT (°F)	FLUID: WORKING FLUID	FLUID: HEAD LOSS (FT)	ELECTRICAL: MOTOR SIZE (HP)	ELECTRICAL: MOTOR SPEED (RPM)	ELECTRICAL: VOLT/PH/HZ	NOTES
UH-1	RITTLING H-26	BASEMENT	VERTICAL	HEATING	690	21.0	60 / 93	2.1	180/160	WATER	1	1/20	1000	120/1/60	1

1. ALL CAPACITIES AT PROJECT ALTITUDE = 4,500 FT.

VAV BOX SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	INLET SIZE (IN)	AIR: COOLING MAXIMUM AIR (5) (CFM)	AIR: HEATING MAXIMUM AIR (CFM)	AIR: MINIMUM AIR (3) (CFM)	AIR: ENTERING AIR TEMP. DB (DEG. F)	AIR: LEAVING AIR TEMP. DB (DEG. F)	AIR: S.P. LOSS AT MAX CFM (4) (IN H20)	AIR: NC AT 1" H2O (1) S.P.	FLUID (2): HEAT LOAD (MB)	FLUID (2): TOTAL FLUID FLOW (GPM)	FLUID (2): ENT. FLUID TEMP (DEG. F)	FLUID (2): WORKING FLUID	FLUID (2): MAX. FLUID PRESSURE DROP (FT)	COIL: MIN. COIL ROWS	COIL: PIPE SIZE (IN)	COIL: BALANCING VALVE SIZE (IN)	REMARKS
VR-6	TITUS-ESV-3	6	400	240	80	52	100	0.5	28	9.9	1	180	H. WATER	1	2	3/4	1/2	1,2,3,4,5,6
VR-8	TITUS-ESV-3	8	700	420	145	52	100	0.65	28	17.4	1.5	180	H. WATER	1	2	3/4	1/2	1,2,3,4,5,6
VR-10	TITUS-ESV-3	10	1100	660	230	52	100	0.65	26	27..3	2	180	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6
VR-12	TITUS-ESV-3	12	1600	960	325	52	100	0.65	26	39.7	2.5	180	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6
VR-14	TITUS-ESV-3	14	2200	1320	450	52	100	0.65	26	54.6	3	180	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6
VR-16	TITUS-ESV-3	16	2800	1680	580	52	100	0.7	26	69.6	3.5	180	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6
VR-20	TITUS-ESV-3	24X16 FO	4200	2520	1260	52	100	0.7	29	104.3	5	180	H. WATER	1.5	2	1	3/4	1,2,3,4,5,6

1. MAXIMUM DISCHARGE NC AT BOX DIFFENTIAL PRESSURE BASED ON ARI STANDARD 880-89
2. COIL HEATING CAPACITY BASED ON HEATING MAIXIMUM AIR FLOW (60% OF MAXIMUM COOLING CFM).
3. MINIMUM CFM IS LOWEST CONTROLLABLE CFM SETTING (BASED ON 400 FPM INLET VELOCITY).
4. MAXIMUM STATIC PRSSURE DROP PERMISSABLE ACROSS BOX AND COIL AT MAXIMUM COOLING CFM.
5. BOX COOLING MAXIMUM IS THE SUM OF DIFFUSERS CFM VALUES AS SHOWN IN THE DRAWINGS. BOX MINIMUM CFM TO BE SET AT 30% OF THIS MAXIMUM.
BOX HEATING CFM TO BE SET AT 60% OF THIS SAME MAXIMUM. TYPICAL UNLESS OTHERWISE NOTED.
6. PRESSURE INDEPENDENT TYPE BOX.

EXHAUST FAN SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR TYPE	AIR: MAXIMUM AIRFLOW RATE (CFM)	AIR: STATIC PRESSURE (IN. WATER)	FAN: OUTLET VELOCITY (FPM)	FAN: FAN SPEED (RPM)	FAN: STATIC EFFICIENCY (%)	ELECTRICAL: MOTOR SIZE (HP)	ELECTRICAL: MOTOR BHP (HP)	ELECTRICAL: MOTOR SPEED (RPM)	ELECTRICAL: VOLT/PH/HZ	PHYSICAL: WEIGHT (LB)	CONTROL	NOTES
EF-1	COOK GC-520	ELECTRICAL ROOM	NOTE 2	EXH	320	0.20	1010	1205	20%	131 W	131 W	1750	120/1/60	NA	A	1,2

1. ALL CAPACITIES AT 4500 FT. ELEVATION.
2. CEILING MOUNTED INLINE EXHAUST FAN PROVIDE GRAVITY BACKDRAFT DAMPER, INTERGRAL THERMAL OVERLOAD PROTECTION AND DISCONNECT.
3. INLINE EXHAUST FAN PROVIDE GRAVITY BACKDRAFT DAMPER, INTERGRAL THERMAL OVERLOAD PROTECTION AND DISCONNECT.

A. CONTROL: THERMOSTAT

GRILLES, REGISTERS AND DIFFUSERS

ID	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	EH PRICE	SPD	30	SQUARE PLAQUE FACE CEILING DIFFUSERS. REMOVABLE FACE, C.W./O.B.D. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE.
RG-1	EH PRICE	PDDR	30	PERFORATED FACE RETURN AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES HSLL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. AIR QUANTITY SHALL MATCH ROOM SUPPLY OR EXHAUST AIR QUANTITY.
L-1	AIROLITE	K6776	SEE PLANS	WALL LOUVER , STATIONARY 6 INCH THICK 35 BLADE, 12 GA., EXT. ALUMINUM BLADES, 8 GA, EXT. ALUMINUM JAMBS. CHANNEL FRAME. BIRD SCREEN. COLOR AND FINISH TO BE SELECTED BY ARCHITECT.

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PROJECT TITLE:
SALT LAKE COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

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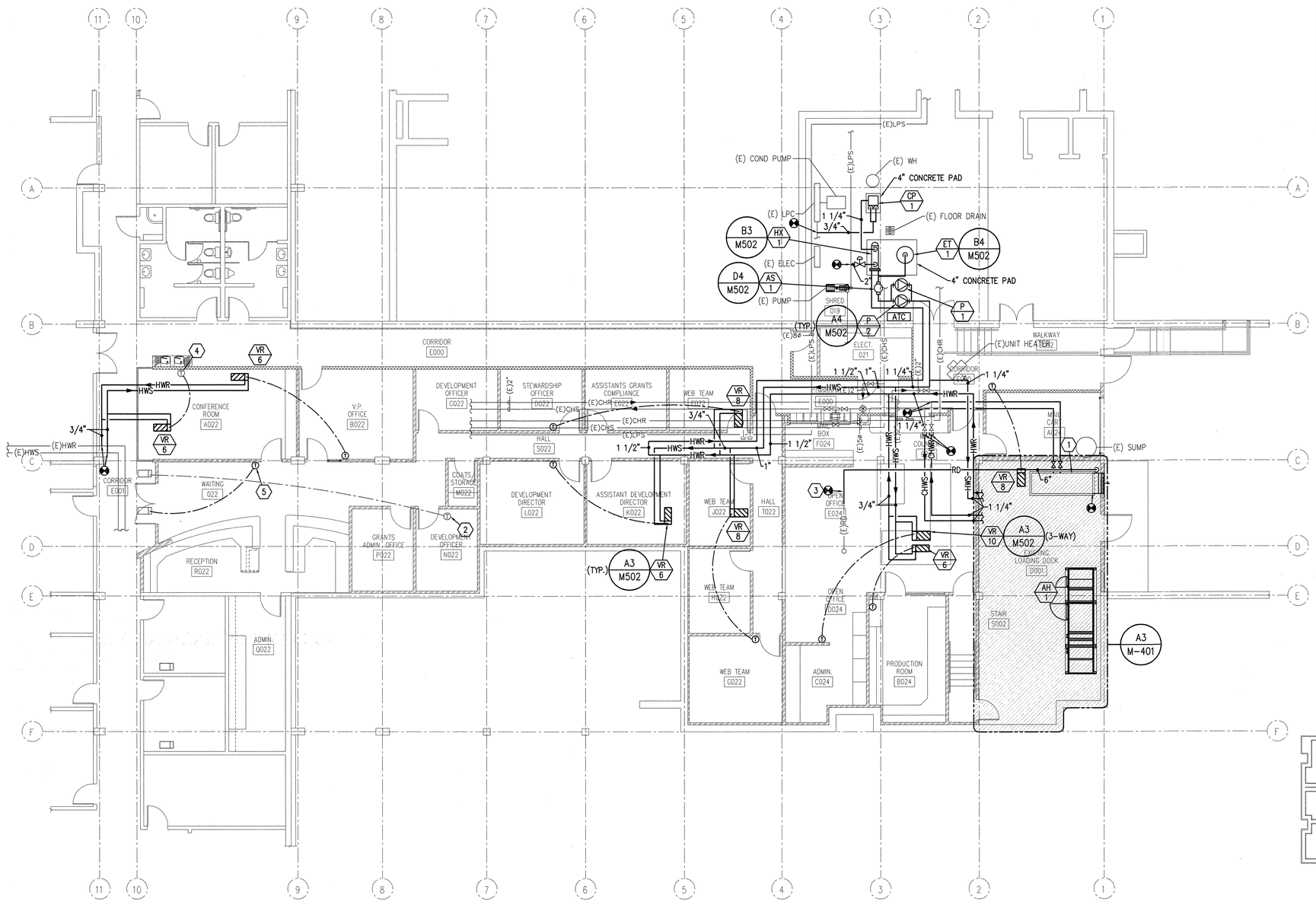
SHEET TITLE
MECHANICAL SCHEDULES

SHEET NUMBER
M602



0 4' 8' 16'

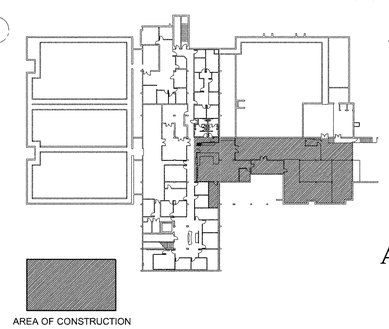
PLAN NORTH

A1 MP101 MECHANICAL PIPING FLOOR PLAN

SCALE 1/8" = 1'-0"

KEYED NOTES

1. EXISTING REFRIGERATION UNIT TO BE RELOCATED TO LOCATION AS SHOWN. EXTEND CHILLED WATER PIPING AS NECESSARY. KEEP EXISTING PUMP, VALVES, SENSORS, ETC.
2. EXISTING THERMOSTAT TO REMAIN CONNECTED TO EXISTING VAV BOX.
3. RISE EXISTING 6-INCH PIPE UP TIGHT TO STRUCTURE. COORDINATE WITH MODIFIED DUCT ON MD101.
4. EXISTING THERMOSTAT TO REMAIN. RECONNECT TO NEW VAV BOX.
5. NEW THERMOSTAT. CONNECT TO EXISTING VAV BOX.



AREA OF CONSTRUCTION

KEY PLAN BUILDING

SCALE 1/64" = 1'-0"

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LICENSED PROFESSIONAL ENGINEER No. 189989 STEVEN T. SHEPHERD 10/5/09 STATE OF UTAH

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL 4600 SOUTH REDWOOD ROAD TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION

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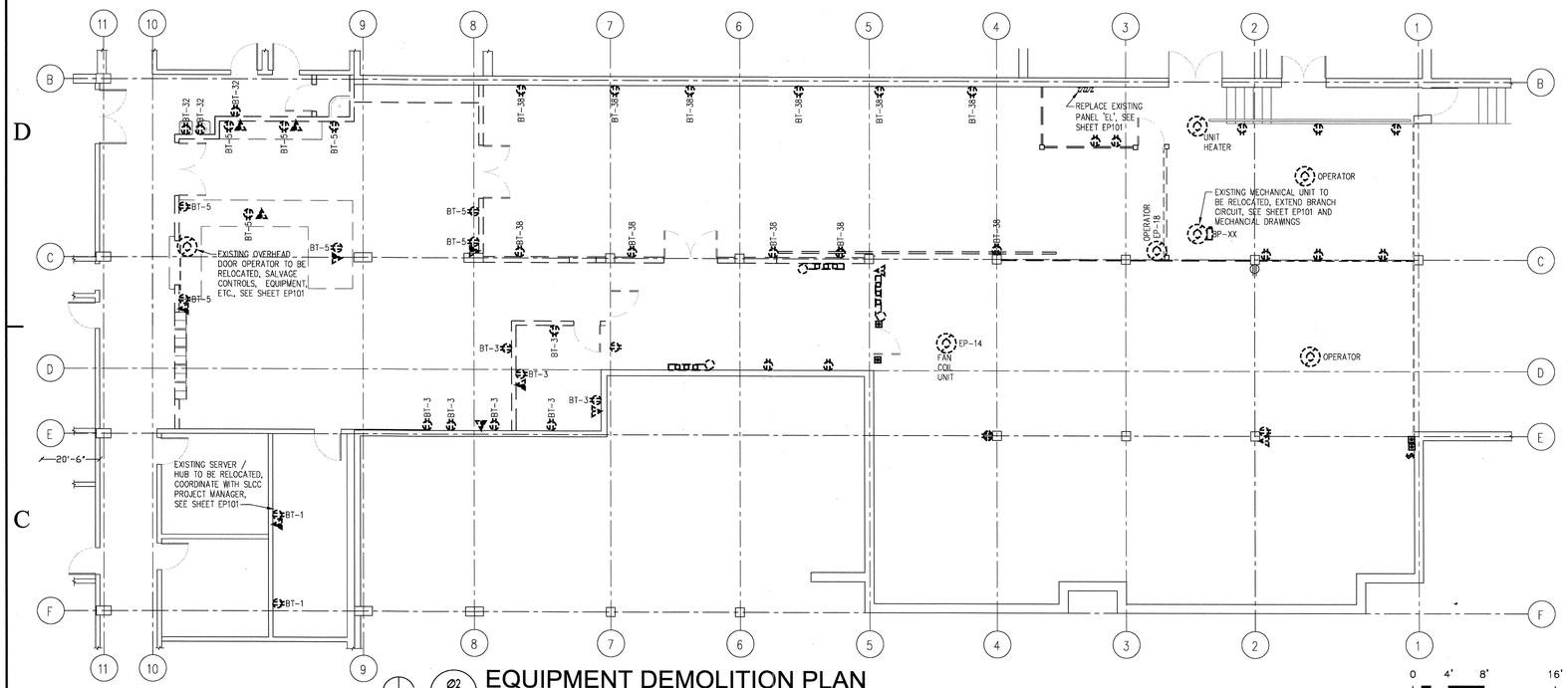
SHEET TITLE

MECHANICAL PIPING FLOOR PLAN

SHEET NUMBER

MP101

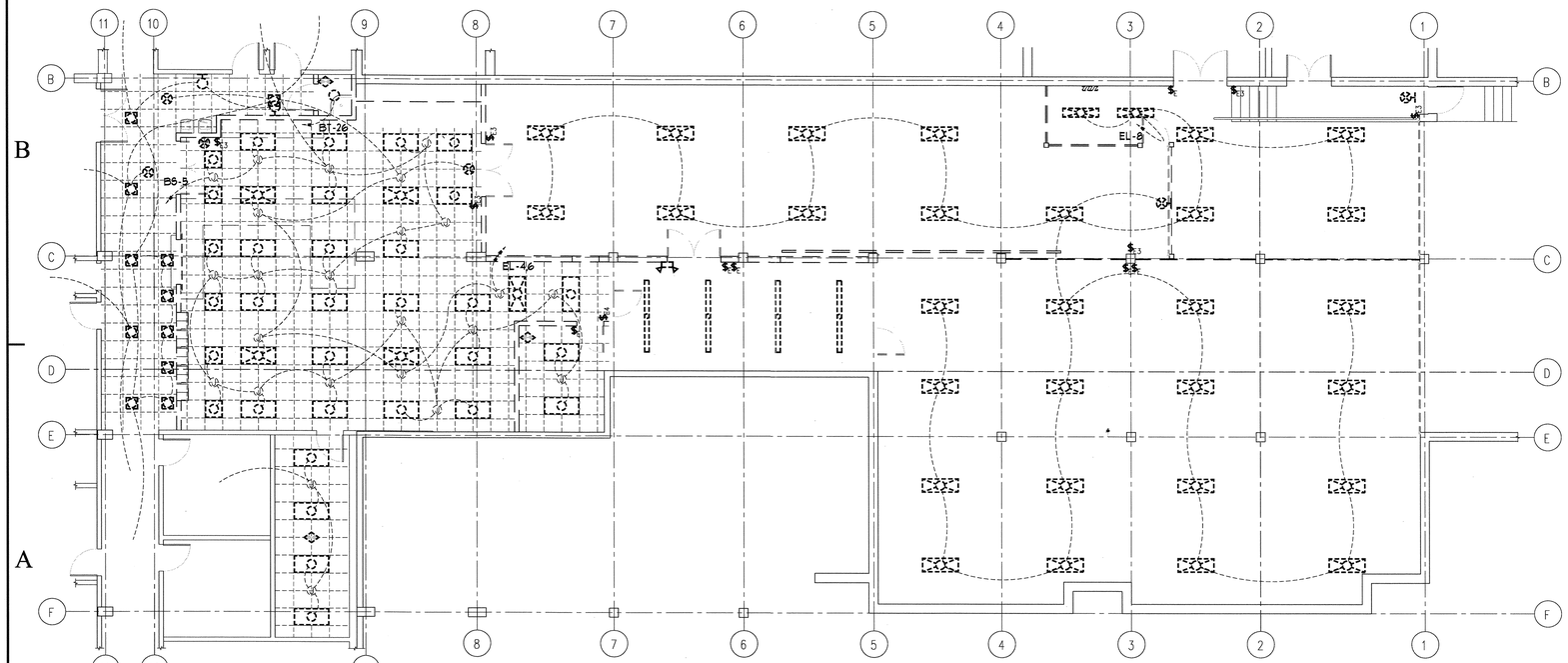


PLAN NORTH

02 / ED101 EQUIPMENT DEMOLITION PLAN

SCALE 1/8" = 1'-0"

0 4' 8' 16'



PLAN NORTH

01 / ED101 LIGHTING DEMOLITION PLAN

SCALE 1/8" = 1'-0"

0 4' 8' 16'

DEMOLITION NOTES:

1. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, LIGHTING, SWITCHES, OUTLETS, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON EXISTING BUILDING ELECTRICAL DRAWINGS AND FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
2. DEMOLITION PLAN IS SHOWN FOR CONTRACTORS REFERENCE ONLY. FIELD VERIFY QUANTITIES AND LOCATIONS OF ALL EXISTING MATERIAL AND EQUIPMENT TO BE REMOVED. REMOVE ALL ABANDONED CONDUIT WIRING, JUNCTION BOXES, OUTLETS, LIGHT FIXTURES, EQUIPMENT, ETC. WHETHER SPECIFICALLY SHOWN OR NOT.
3. REMOVE ALL EXISTING FIXTURES, OUTLETS, SWITCHES, ETC., SHOWN, EXCEPT WHERE SPECIFICALLY NOTED TO REMAIN OR BE RELOCATED.
4. CONTRACTOR MAY USE EXISTING BRANCH CIRCUIT WIRING AND RACEWAYS WHERE CONVENIENT TO CONNECT TO NEW ELECTRICAL DEVICES ONLY IF THE EXISTING WIRING AND RACEWAYS ARE IN GOOD CONDITION AND MEET DIVISION 16 SPECIFICATION REQUIREMENTS FOR NEW WIRING AND RACEWAYS.
5. WHERE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT INTERRUPTS EXISTING BRANCH CIRCUITS OR FEEDERS TO EXISTING EQUIPMENT TO REMAIN, FURNISH AND INSTALL NEW CONDUIT AND WIRING AS REQUIRED TO RECONNECT THE EXISTING EQUIPMENT TO REMAIN.
6. ALL MATERIALS AND EQUIPMENT REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE OWNER FOR STORAGE OR BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE OWNER.
7. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH EXISTING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.

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MARK	DATE	DESCRIPTION
2	10/2/09	FIRE RATED CORRIDOR ADD.
1	8/7/09	STATE REVIEW COMMENTS

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DRAWN BY: RGK
CHK'D BY: WBG

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SHEET TITLE

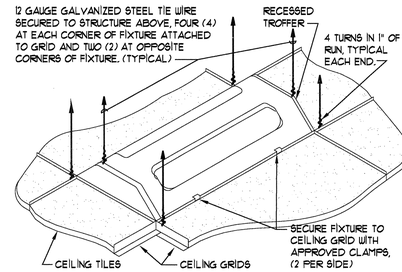
DEMOLITION PLAN

SHEET NUMBER

ED101

FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP
F-1	DAY-BRITE	2P3GS-332-18FL-UNV-17/21-EBIOI(LW)	2' X 4', 3 LAMP, LAY-IN FLUORESCENT FIXTURE WITH TRUE 3" PARABOLIC 18 CELL LOW IRIDESCENT SPECULAR LOUVER, FLUSH STEEL DOOR, AND ONE (1) 1 LAMP / ONE (1) 2 LAMP, <10% THD UNIVERSAL ELECTRONIC INSTANT START LOW WATT BALLASTS (NEC 410. 130(G)).	3F32T8/ADV835 / ALTO
F-2	DAY-BRITE	2P3GS-432-24FL-UNV-2/2-EBIOI(LW)	2' X 4', 4 LAMP, LAY-IN FLUORESCENT FIXTURE WITH TRUE 3" PARABOLIC 24 CELL LOW IRIDESCENT SPECULAR LOUVER, FLUSH STEEL DOOR, AND TWO (2) 2 LAMP <10% THD UNIVERSAL ELECTRONIC INSTANT START LOW WATT BALLASTS (NEC 410. 130(G)).	4F32T8/ADV835 / ALTO
F-3	DAY-BRITE	2DPG232-FS21-UNV-1/2-EBIOI(LW)	2' X 4', 2 LAMP, LAY-IN FLUORESCENT FIXTURE WITH FLUSH STEEL DOOR, 0. 125" THICK ACRYLIC PRISMATIC LENS, AND ONE (1) 2 LAMP, <10% THD UNIVERSAL ELECTRONIC INSTANT START LOW WATT BALLAST (NEC 410. 130(G)).	2F32T8/ADV835 / ALTO
F-4	DAY-BRITE	CAW-432-UNV-1/4EBIOI(LW)	4', 4 LAMP, SURFACE WRAP-AROUND FLUORESCENT FIXTURE WITH PRISMATIC LENS, WHITE STEEL HOUSING AND (1) 4 LAMP, <10% THD UNIVERSAL ELECTRONIC INSTANT START LOW WATT BALLAST (NEC 410. 130(G)).	4F32T8/ADV835 / ALTO
F-5	DAYBRITE	CAN-232-UNV-1/2EBIOI(LW)	SAME AS F-4, EXCEPT TWO (2) LAMP	2F32T8/ADV835 / ALTO
F-6	DAYBRITE	TT-232-UNV-1/4EBIOI(LW)	8', 2 LAMP TANDEM FLUORESCENT STRIPLIGHT FIXTURE WITH WHITE FINISH AND ONE (1) 4 LAMP, UNIVERSAL, ELECTRONIC INSTANT START LOW WATT BALLAST (NEC 410. 130(G)).	4F32T8/ADV835 / ALTO
F-6A	DAYBRITE	TT-232-UNV-2/2EBIOI(LW)	SAME AS F-6, EXCEPT TWO (2) 2 LAMP BALLASTS (NEC 410. 130(G))	4F32T8/ADV835 / ALTO
F-7	FINELITE	S15-12'-2T8-SC-120DIM(MARK X)-SM	12', 2 LAMP (THREE 4' SECTIONS) LINEAR FLUORESCENT INDIRECT / DIRECT SURFACE MOUNTED FIXTURE WITH DIE-FORMED STEEL CONSTRUCTION, PERFORATED STEEL LIGHT SHIELD, WHITE FINISH AND THREE (3) 2 LAMP, 120 VOLT, ELECTRONIC LINE VOLTAGE DIMMING BALLASTS (ADVANCE MARK X) (NEC 410. 130(G)).	6F32T8/ADV835 / ALTO
F-8	FINELITE	S15-8'-2T8-SC-120DIM(MARK X)-SM	SAME AS F-7, EXCEPT 8' NOMINAL LENGTH.	4F32T8/ADV835 / ALTO
F-9	FINELITE	S15-8'-2T8-SC-277(EBIOI(LW))-SM	SAME AS F-7, EXCEPT 4' NOMINAL LENGTH AND ONE (1) 2 LAMP, <10% THD 277 VOLT ELECTRONIC INSTANT START LOW WATT BALLAST (NEC 410. 130(G)).	2F32T8/ADV835 / ALTO
F-10	FINELITE	S15-8'-1T8-SC-277(EBIOI(LW))-SM	SAME AS F-7, EXCEPT 4' NOMINAL LENGTH AND ONE (1) 1 LAMP, <10% THD 277 VOLT ELECTRONIC INSTANT START LOW WATT BALLAST (NEC 410. 130(G)).	1F32T8/ADV835 / ALTO
F-11	OMEGA	DM8-1H-32PLT-CSFF-120/277	COMPACT FLUORESCENT DOWNLIGHT FIXTURE WITH HORIZONTAL LAMP, 8" DIAMETER APERTURE, OPEN CLEAR SPECULAR REFLECTOR, AND 120/277 VOLT ELECTRONIC BALLAST.	1CF32PLT/35K / ALTO
F-12	OMEGA	DM8-1H-32PLT-FLR-CSFF-120/277	SAME AS F-11, EXCEPT WITH GLASS FLOATING LUMINOUS RING.	1CF32PLT/35K / ALTO
F-13	CAPRI	LVTX/120	LOW VOLTAGE DOWNLIGHT FIXTURE WITH 4" DIAMETER APERTURE, ADJUSTABLE GIMBLE RING, BLACK BAFFLE AND 120/12 VOLT MAGNETIC TRANSFORMER .	Q50MR16/C/ FL40 (EXN)
F-14	McPHILBEN	55L-1-W-G	LED EXIT LIGHT WITH GREEN LETTERS, CANOPY, PRISMATIC DIFFUSER, ALUMINUM HOUSING AND WHITE FINISH.	FURNISHED W/ FIXTURE
F-15	McPHILBEN	55L-2-W-G	SAME AS F-14, EXCEPT DOUBLE FACE	FURNISHED W/ FIXTURE
F-16	NITE BRITES	CLI-60C-C-U	COMPACT FLUORESCENT CANOPY FIXTURE WITH 12" SQUARE ALUMINUM HOUSING, INJECTION MOLDED POLYCARBONATE LENS, DARK BRONZE FINISH, AND UNIVERSAL ELECTRONIC BALLAST (-22 F STARTING TEMP).	1CF60PLH/30K / ALTO



TROFFER SUPPORT NOTES:

1. ALL LIGHTING FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. THE ATTACHMENT DEVICE SHALL HAVE A CAPACITY OF 100% OF THE LIGHTING FIXTURE WEIGHT ACTING ANY DIRECTION. 12 GA. HANGERS SHALL BE ATTACHED TO THE GRID MEMBERS WITHIN THREE INCHES OF EACH CORNER OF EACH FIXTURE. TANDEM FIXTURES MAY UTILIZE COMMON WIRES.
2. LIGHTING FIXTURES WEIGHING LESS THAN 56 LBS. SHALL HAVE IN ADDITION TO THE REQUIREMENTS OUTLINED ABOVE, TWO NO. 12 GA. HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK.
3. LIGHTING FIXTURES WEIGHING 56 LBS. OR MORE SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.
4. PENDANT HUNG LIGHTING FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO. 9 GA. WIRES OR APPROVED ALTERNATE SUPPORT WITHOUT USING CEILING SUSPENSION SYSTEM FOR DIRECT SUPPORT.
5. COORDINATE SUPPORT WIRE INSTALLATION WITH CEILING CONTRACTOR.
6. ABOVE REQUIREMENTS ARE A MINIMUM. PROVIDE SUPPORTS AS REQUIRED BY AUTHORITY HAVING JURISDICTION (AHJ). COORDINATE WITH AHJ PRIOR TO BEGINNING WORK.

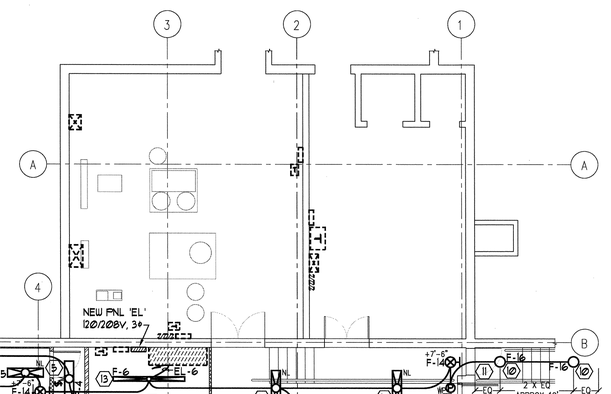
02 / EL101 TYPICAL LAYIN FIXTURE SUPPORT DETAIL
SCALE NOT TO SCALE

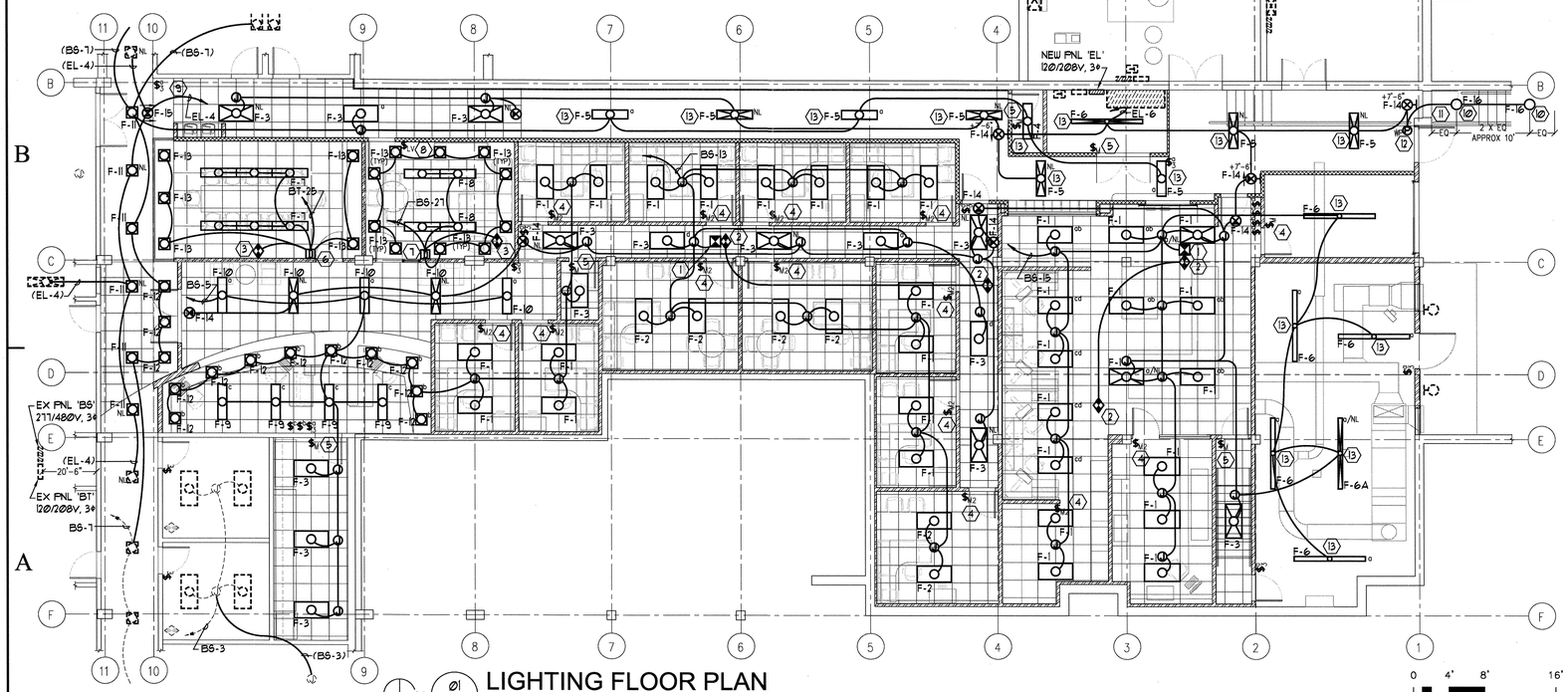
GENERAL NOTES:

1. COORDINATE FIXTURE LOCATIONS WITH ARCHITECT'S REFLECTED CEILING PLAN, CEILING CONTRACTOR, BUILDING STRUCTURE, MECHANICAL EQUIPMENT & DUCTWORK LOCATIONS, ETC.
2. COORDINATE MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR.
3. WHERE BRANCH CIRCUIT HOMERUNS INDICATE WIRE SIZES, USE THAT SIZE WIRE THROUGHOUT THE BRANCH CIRCUIT, INCLUDING SWITCH LEGS, ETC.
4. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH EXISTING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.
5. CONTRACTOR SHALL PROVIDE SEISMIC BRACING OF EQUIPMENT, RACEWAYS, LIGHT FIXTURES, ETC. IN ACCORDANCE WITH IBC 1613.1 AND ACSE 7. PROVIDE DESIGNS, CALCULATIONS, CERTIFICATIONS AND STAMPED DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO BEGINNING WORK. SEE SHEET AG-1001 FOR SEISMIC DESIGN CATEGORY OF BUILDING. 1

REFERENCE NOTES:

1. PROVIDE NEW MOTION SENSOR SWITCHPACK IN ACCESSIBLE CEILING SPACE. CONNECT LINE SIDE TO UNSWITCHED CIRCUIT CONDUCTOR. CONNECT LOAD SIDE TO SWITCH(ES) AND FIXTURES.
2. PROVIDE NEW 2-WAY OCCUPANCY SENSOR. INSTALL CONTROL WIRING TO SWITCHPACK IN MINIMUM 1/2" CONDUIT.
3. PROVIDE NEW 2-WAY OCCUPANCY SENSOR. INSTALL CONTROL WIRING TO DIMMER SWITCH SYSTEM IN MINIMUM 1/2" CONDUIT.
4. PROVIDE NEW DUAL LEVEL OCCUPANCY SENSOR SWITCH, CONNECT ALTERNATING BALLASTS OF FIXTURES TO SWITCH LEGS.
5. PROVIDE NEW OCCUPANCY SENSOR SWITCH.
6. PROVIDE NEW MULTI-ZONE ELECTRONIC SWITCH AND DIMMER SYSTEM, LEVITON TYPE 'D4204'. PROVIDE FOUR (4) ZONES WITH INDIVIDUAL CONTROLS LABELED, CONNECTED AND PROGRAMMED THE ZONES AS FOLLOWS:
   ZONE a - "MAIN" (F-7, DIMMING FLUORESCENT, RAMPED)
   ZONE b - "COUNTER" (NORTH F-13, DIMMING LOW VOLTAGE, RAMPED)
   ZONE c - "WINDOW" (SOUTH F-13, DIMMING LOW VOLTAGE, RAMPED)
   ZONE d - SPARE
   PROGRAM FOUR (4) SCENE BUTTONS, SET AS DIRECTED BY OWNER/ARCHITECT. FACEPLATE COLOR / FINISH AS SELECTED BY ARCHITECT. INTERLOCK WITH OCCUPANCY SENSOR. INSTALL PROVIDE ALL NECESSARY HARDWARE AND ACCESSORIES.
7. PROVIDE NEW MULTI-ZONE ELECTRONIC SWITCH AND DIMMER SYSTEM, LEVITON TYPE 'D4204'. PROVIDE FOUR (4) ZONES WITH INDIVIDUAL CONTROLS LABELED, CONNECTED AND PROGRAMMED THE ZONES AS FOLLOWS:
   ZONE a - "MAIN" (F-8, DIMMING FLUORESCENT, RAMPED)
   ZONE b - "WALLS" (F-13, DIMMING LOW VOLTAGE, RAMPED)
   ZONE c - SPARE
   ZONE d - SPARE
   PROGRAM FOUR (4) SCENE BUTTONS, SET AS DIRECTED BY OWNER/ARCHITECT. FACEPLATE COLOR / FINISH AS SELECTED BY ARCHITECT. INTERLOCK WITH OCCUPANCY SENSOR AND ENTRY SWITCH STATION. INSTALL PROVIDE ALL NECESSARY HARDWARE AND ACCESSORIES.
8. PROVIDE NEW ENTRY SWITCH STATION, LOW VOLTAGE DIGITAL SWITCH COMPATIBLE WITH DIMMING SYSTEM. SWITCH STATION SHALL BE TWO (2) BUTTONS, PROGRAMMED FOR "SCENE 1" AND "OFF". INSTALL PROVIDE ALL NECESSARY HARDWARE AND ACCESSORIES.
9. INSTALL NEW SWITCH(ES), OUTLET(S), DEVICE(S), ETC. IN EXISTING WALL. PATCH AND REPAIR WALL TO MATCH SURROUNDING FINISHES. COORDINATE WITH GENERAL CONTRACTOR.
10. PROVIDE F-16 FIXTURE AT NEW CANOPY OVER EXIT STAIR. QUARTER POINT FIXTURES IN LENGTH OF NEW CANOPY AND CENTERED ON CANOPY AND OVER STAIR.
11. ROUTE BRANCH CIRCUIT INTO BUILDING AT ELEVATION OF CANOPY. ROUTE CONDUIT UP TO PHOTOCELL ON ROOF AND DOWN TO BASEMENT CONCEALED IN WALL OF INTERIOR CLOSET ON MAIN FLOOR (FIELD VERIFY ROUTING AND REQUIREMENTS). PATCH AND REPAIR WALL(S) TO MATCH SURROUNDING FINISHES. COORDINATE WITH GENERAL CONTRACTOR. DRILL EXTERIOR MASONRY WALL, CONCRETE ROOF SLAB AND CONCRETE FLOOR SLAB. SEAL AND FLASH ALL PENETRATIONS IN ACCORDANCE WITH SPECIFICATIONS AND AS DIRECTED BY PROJECT MANAGER.
12. PROVIDE PHOTOCELL ON ROOF AT PARAPET (2000 WATT, 120/277 VOLT, WITH SPST CONTACTS: TORK TYPE #2101 OR EQUAL. INSTALL OUTSIDE FACING NORTH AND AWAY FROM LIGHT SOURCES.
13. SUSPEND (CHAIN HANG) FIXTURE LEVEL AND STRAIGHT AT 8'-0" (CENTERED IN CORRIDORS). COORDINATE LOCATION AND ELEVATION WITH DUCT WORK, PIPING, EQUIPMENT, ETC. COORDINATE REQUIREMENTS WITH PROJECT MANAGER.





01 / EL101 LIGHTING FLOOR PLAN
SCALE 1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'

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Salt Lake Community College

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architecture planning design

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PROFESSIONAL ENGINEER RAYMOND G. KOLKMAN 175780 STATE OF UTAH

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION
2	10/2/09	FIRE RATED CORRIDOR ADD.
1	8/7/09	STATE REVIEW COMMENTS

ISSUE TYPE: REVIEW DOCUMENTS

ISSUE DATE: 13th July, 2009

DFCM PROJECT NO: 09003660
CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: RGK
CHK'D BY: WBG

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SHEET TITLE

LIGHTING FLOOR PLAN

SHEET NUMBER

EL101

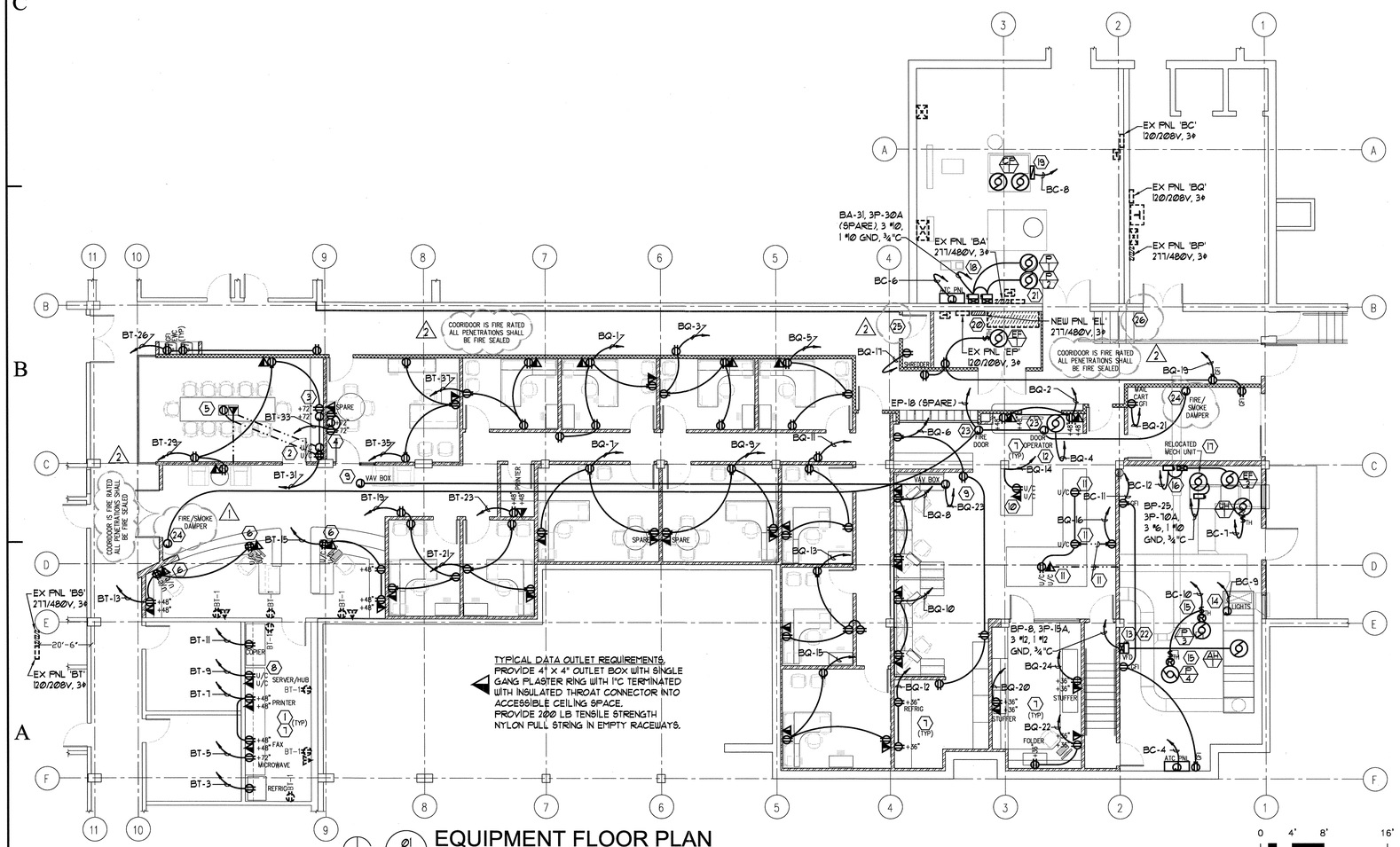
EQUIPMENT SCHEDULE

EQUIP NO.	DESCRIPTION	CIRCUIT NUMBER	VOLTS	PHASE	WATTS H.P.	BREAKER MCP	STARTERS FURNISH	STARTERS INSTALL	STARTERS SIZE	AUX. CONT.	LOCATION
AH 1	AIR HANDLER / SUPPLY FAN (SF-1)	BP-8	480	3	5 HP	3P-15A	E	E	VFD	-	FAN ROOM
P 1	HOT WATER PUMP	BA-31	480	3	1 HP	3P-30A 7 AMP	E	E	O	2	MECHANICAL ROOM
P 2	HOT WATER PUMP	BA-31	480	3	1 HP	3P-30A 7 AMP	E	E	O	2	MECHANICAL ROOM
P 3	PRE-HEAT PUMP	BC-10	120	1	1/12 HP	1P-20A	E	E	S[TH]		MECHANICAL ROOM
P 4	PRE-HEAT PUMP	BC-10	120	1	1/12 HP	1P-20A	E	E	S[TH]		MECHANICAL ROOM
CP 1	CONDENSATE RETURN PUPMS	BC-8	120	1	(2) 1/3 HP	1P-20A	M	M	M	-	MECHANICAL ROOM
UH 1	UNIT HEATER	BC-7	120	1	1/20 HP	1P-20A	E	E	S[TH]	-	FAN ROOM
EF 1	EXHAUST FAN	BQ-19	120	1	131 WATT	1P-20A	E	E	S[TH]	-	ELECTRICAL ROOM
EF 2	EXHAUST FAN	BC-12	120	1	1/2 HP	1P-20A	E	E	O	2	FAN ROOM

E - ELECTRICAL CONTRACTOR
M - MECHANICAL CONTRACTOR
S - SUPPLIED WITH EQUIPMENT

GENERAL NOTES:

1. COORDINATE MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR.
2. WHERE BRANCH CIRCUIT HOMERUNS INDICATE WIRE SIZES, USE THAT SIZE WIRE THROUGHOUT THE BRANCH CIRCUIT, INCLUDING SWITCH LEGS, ETC.
3. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH EXISTING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.
4. THE EXISTING BUILDING IS PROTECTED THROUGHOUT BY AN AUTOMATIC FIRE ALARM SYSTEM WHICH IS TO REMAIN OPERATIONAL THROUGHOUT THE CONSTRUCTION PERIOD.
5. SUBMIT REQUESTS FOR FIRE ALARM SYSTEM OUTAGES TO THE SLCC FACILITIES PROJECT MANAGER NOT LESS THAN 7 DAYS PRIOR TO ANY PROPOSED FIRE ALARM OUTAGES. IMMEDIATELY NOTIFY THE SLCC FACILITIES PROJECT MANAGER IF THE FIRE ALARM IS UNINTENTIONALLY DISABLED AND IMMEDIATELY MAKE REPAIRS TO RESTORE THE SYSTEM TO AN OPERATIONAL CONDITION.
6. THE CONTRACTOR SHALL MAINTAIN A FIRE WATCH DURING ALL FIRE ALARM SYSTEM OUTAGES IN ACCORDANCE WITH IFC SECTION 901.7.
7. ANY WORK PERFORMED ON THE FIRE ALARM SYSTEM SHALL BE APPROVED IN ADVANCE BY THE FIRE ALARM SYSTEM FACTORY REPRESENTATIVE.
8. PROTECT EXISTING SMOKE DETECTORS IN THE AREA OF CONSTRUCTION FROM EXCESSIVE DUST ACCUMULATION BY MEANS OF TEMPORARY DUST COVERS DURING DUST PRODUCING WORK OPERATIONS. REMOVE DUST COVERS IMMEDIATELY UPON COMPLETION OF DUST PRODUCING WORK.
9. CLEAN ALL EXISTING SMOKE DETECTORS AFFECTED BY CONSTRUCTION IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS UPON COMPLETION OF WORK AND PRIOR TO SUBSTANTIAL COMPLETION.
10. TEST ALL SMOKE DETECTORS AFTER CLEANING AND PRIOR TO SUBSTANTIAL COMPLETION. TESTING SHALL BE PERFORMED BY A FACTORY AUTHORIZED AND TRAINED TECHNICIAN OF THE FIRE ALARM SYSTEM MANUFACTURER.
11. CONTRACTOR SHALL PROVIDE SEISMIC BRACING OF EQUIPMENT, RACEWAYS, LIGHT FIXTURES, ETC. IN ACCORDANCE WITH IBC 1613.1 AND ACSE 7. PROVIDE DESIGNS, CALCULATIONS, CERTIFICATIONS AND STAMPED DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO BEGINNING WORK. SEE SHEET AG-1001 FOR SEISMIC DESIGN CATEGORY OF BUILDING. 1



01 EP101 EQUIPMENT FLOOR PLAN
SCALE 1/8" = 1'-0"

REFERENCE NOTES:

1. INSTALL NEW OUTLET IN EXISTING WALL. REPAIR EXISTING WALL AS REQUIRED TO MATCH SURROUNDING SURFACES. COORDINATE WITH GENERAL CONTRACTOR.
2. PROVIDE BRANCH CIRCUIT TO WALL MOUNTED A/V CABINET UNDER COUNTER. PROVIDE ONE (1) 1"C FROM A/V CABINET TO FLOOR BOX. PROVIDE ONE (1) 1"C FROM A/V CABINET TO TV OUTLET BOX. PROVIDE TWO (2) 1½"C FROM A/V CABINET TO ACCESSIBLE CEILING SPACE. TERMINATE CONDUITS WITH INSULATED BUSHING. COORDINATE REQUIREMENTS WITH OWNER'S A/V AND DATA SYSTEMS REPRESENTATIVES.
3. PROVIDE 4" X 4" DEEP OUTLET BOX WITH SINGLE GANG PLASTER RING WITH 1"C TERMINATED WITH INSULATED THROAT CONNECTOR INTO ACCESSIBLE CEILING SPACE AND 1" TO A/V CABINET.
4. PROVIDE 4" X 4" DEEP OUTLET BOX WITH SINGLE GANG PLASTER RING WITH 1"C TERMINATED WITH INSULATED THROAT CONNECTOR INTO ACCESSIBLE CEILING SPACE.
5. PROVIDE MULTI-SERVICE STAMPED STEEL FLOOR BOX WITH 1¼", 1" & ¾" KNOCKOUTS, DUPLEX RECEPTACLE, DATA FACE PLATE (MODULES AS DIRECTED BY OWNER) AND RECESSED FLOOR BOX COVER (COLOR AS SELECTED BY ARCHITECT) INCLUDING ALL NECESSARY HARDWARE AND ACCESSORIES. INSTALL PER MANUFACTURERS WRITTEN SPECIFICATIONS / INSTRUCTIONS. INSTALL POWER AND DATA RACEWAYS UNDER SLAB AND UP ADJACENT WALL. PROVIDE 1" DATA AND ¾"C POWER TO A/V CABINET. PROVIDE 1"C TERMINATED WITH INSULATED THROAT CONNECTOR INTO ACCESSIBLE CEILING SPACE. COORDINATE SAW CUTTING AND ROUTING OF RACEWAYS WITH GENERAL CONTRACTOR FLOOR BOX: HUBBELL TYPE '35FB55/35FBCXXX/35FBIP/35FBIM' OR APPROVED EQUAL.
6. INSTALL DATA AND POWER OUTLETS IN CABINET. COORDINATE REQUIREMENTS AND ROUTING OF RACEWAYS WITH CABINET SUPPLIER / INSTALLER AND GENERAL CONTRACTOR PRIOR TO BEGINNING WORK.
7. COORDINATE ELEVATION OF OUTLETS AT COUNTERS WITH ARCHITECTURAL ELEVATIONS, CABINET SUPPLIER / INSTALLER, GENERAL CONTRACTOR AND SLCC PROJECT MANAGER PRIOR TO BEGINNING WORK.
8. EXISTING SERVER / HUB TO REMAIN. EQUIPMENT TO BE RELOCATED TO NEW CABINET. PROVIDE NEW DATA AND POWER OUTLET. COORDINATE REQUIREMENTS WITH SLCC PROJECT MANAGER AND DATA SYSTEMS REPRESENTATIVE PRIOR TO BEGINNING WORK.
9. INSTALL JUNCTION BOX ADJACENT NEW VAV BOX. COORDINATE LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.
10. PROVIDE DATA AND POWER OUTLETS IN ACCESSIBLE SPACE OF WORK COUNTER CABINET. ROUTE RACEWAYS UP AT ADJACENT COLUMN TO ACCESSIBLE CEILING SPACE. COORDINATE LOCATIONS AND REQUIREMENTS WITH CABINET SUPPLIER / INSTALLER, GENERAL CONTRACTOR AND SLCC PROJECT MANAGER PRIOR TO BEGINNING WORK.
11. PROVIDE DATA AND POWER OUTLETS IN ACCESSIBLE SPACE OF WORK COUNTER CABINET. ROUTE RACEWAYS UNDERFLOOR TO ADJACENT WALL AND INTO ACCESSIBLE CEILING SPACE. COORDINATE LOCATIONS AND REQUIREMENTS WITH CABINET SUPPLIER / INSTALLER, GENERAL CONTRACTOR AND SLCC PROJECT MANAGER PRIOR TO BEGINNING WORK.
12. PROVIDE BRANCH CIRCUIT TO OVERHEAD DOOR OPERATOR AND INSTALL ALL CONTROLS, PUSHBUTTONS, INTERLOCKS, ETC. SALVAGED DURING DEMOLITION AS REQUIRED. PROVIDE ALL NECESSARY HARDWARE AND ACCESSORIES FOR COMPLETE INSTALLATION. FIELD VERIFY REQUIREMENTS.
13. PROVIDE ELECTRICAL SERVICE TO AIR HANDLER INCLUDING VFD WITH DISCONNECT SWITCH, BYPASS SWITCH(ES), HARMONIC FILTERING AND NEMA 1 ENCLOSURE, SEE SPECIFICATIONS FOR REQUIREMENTS.

    PROVIDE ELECTRICAL SERVICE TO AIR HANDLER LIGHTING AND MAKE ALL NECESSARY LINE VOLTAGE CONNECTIONS. COORDINATE REQUIREMENTS WITH AIR HANDLER SUPPLIER / INSTALLER AND MECHANICAL CONTRACTOR.
15. PROVIDE ELECTRICAL SERVICE TO FRACTIONAL HORSE POWER PUMP INCLUDING MANUAL STARTER SWITCH WITH THERMAL OVERLOAD PROTECTION AND MOTOR RATED POWER RELAY. COORDINATE RELAY COIL VOLTAGE WITH MECHANICAL / CONTROLS CONTRACTOR PRIOR TO BEGINNING WORK.
16. PROVIDE ELECTRICAL SERVICE TO EXHAUST FAN INCLUDING DISCONNECT SWITCH AND AUTOMATIC STARTER WITH THERMAL OVERLOAD PROTECTION, H-O-A SWITCH AND RED RUN PILOT LIGHT (SEE SPECIFICATIONS FOR STARTER REQUIREMENTS). COORDINATE STARTER COIL VOLTAGE WITH MECHANICAL / CONTROLS CONTRACTOR PRIOR TO BEGINNING WORK.
17. RELOCATED MECHANICAL UNIT (CHILLER), INTERCEPT AND EXTEND EXISTING BRANCH CIRCUIT INCLUDING NEW DISCONNECT AT UNIT. FIELD VERIFY REQUIREMENTS.
18. PROVIDE ELECTRICAL SERVICE TO HOT WATER PUMPS INCLUDING COMBINATION DISCONNECT SWITCH AND AUTOMATIC STARTER WITH MCP, THERMAL OVERLOAD PROTECTION, H-O-A SWITCH AND RED RUN PILOT LIGHT (SEE SPECIFICATIONS FOR STARTER REQUIREMENTS). COORDINATE STARTER COIL VOLTAGE WITH MECHANICAL / CONTROLS CONTRACTOR PRIOR TO BEGINNING WORK.
19. PROVIDE ELECTRICAL SERVICE TO DUAL CONDENSATE PUMPS WITH CONTROL PANEL. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO BEGINNING WORK.
20. REPLACE EXISTING PANEL 'EL', PROVIDE NEW PANEL INCLUDING ALL NECESSARY HARDWARE AND ACCESSORIES. CONNECT TO EXISTING FEEDER (4 #2, 1"C) FROM PANEL 'BP' THROUGH TRANSFER SWITCH. INTERCEPT AND EXTEND BRANCH CIRCUITS. SALVAGE BREAKERS IN EXISTING PANEL AND TURN THE BREAKERS OVER TO SLCC PROJECT MANAGER. COORDINATE REQUIREMENTS WITH SLCC PROJECT MANAGER. POWER OUTAGES SHALL ONLY BE TAKEN EXCEPT AS APPROVED IN WRITING BY SLCC PROJECT MANAGER.
21. WORKING SPACE FOR ELECTRICAL EQUIPMENT FROM FLOOR TO 6'-6" ABOVE FLOOR, FULL WIDTH OF EQUIPMENT (OR 30" WIDE, WHICHEVER IS GREATER) TO EXTEND MINIMUM 36" FROM THE FRONT OF EQUIPMENT ENCLOSURE IN ACCORDANCE WITH NEC ARTICLE 110-26. COORDINATE WITH OTHER CONTRACTORS TO KEEP THE ELECTRICAL WORKING SPACE CLEAR OF PIPING, DUCTWORK, CONDUIT, ETC. ALSO, THE AREA ABOVE THE PANELBOARDS TO THE STRUCTURAL CEILING (BOTTOM OF ROOF DECK.) THE WIDTH AND DEPTH OF THE PANELBOARD ENCLOSURE IS A DEDICATED ELECTRICAL SPACE IN ACCORDANCE WITH NEC ARTICLE 110-26. COORDINATE WITH OTHER CONTRACTORS TO KEEP THE DEDICATED ELECTRICAL SPACE CLEAR OF PIPING, DUCTWORK, ETC.
22. PROVIDE VFD WITH BACnet CARD FOR COMMUNICATIONS WITH JOHNSON CONTROLS SYSTEM. COORDINATE REQUIREMENTS JOHNSON CONTROLS SYSTEM REPRESENTATIVE (SCOTT WINGER 801-974-4555) AND SLCC PROJECT MANAGER.
23. PROVIDE BRANCH CIRCUIT TO FIRE DOOR RELEASE DEVICE. COORDINATE REQUIREMENTS WITH RELOCATE DOOR, NEW DOOR, DOOR SUPPLIER/INSTALLER, FIRE ALARM SYSTEM INSTALLER AND GENERAL CONTRACTOR, PRIOR TO BEGINNING WORK.
24. PROVIDE BRANCH CIRCUIT TO FIRE/SMOKE DAMPER. COORDINATE REQUIREMENTS WITH DAMPER SUPPLIER/INSTALLER, FIRE ALARM SYSTEM INSTALLER, MECHANICAL CONTRACTOR AND GENERAL CONTRACTOR, PRIOR TO BEGINNING WORK.
25. SEAL CABLE TRAY PENETRATION THROUGH FIRE RATED WALL WITH DEMOUNTABLE FIRE STOP SYSTEM CONSISTING OF PUTTY, PILLOWS AND INTUMESCENT SHEETS INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS. 3M COMPANY SYSTEM NO. W-L-4052 WITH PUTTY TYPE 'MP+', PILLOWS TYPE FIRE BARRIER SELF LOCKING PILLOWS' AND INTUMESCENT SHEET TYPE 'CS-195'. COORDINATE REQUIREMENTS WITH GENERAL CONTRACTOR.
26. SEAL CONDUIT PENETRATION THROUGH FIRE RATED WALL WITH DEMOUNTABLE FIRE STOP SYSTEM CONSISTING OF PUTTY, PILLOWS AND INTUMESCENT SHEETS INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS. COORDINATE REQUIREMENTS WITH 3M COMPANY SYSTEMS AND WALL CONSTRUCTION. COORDINATE REQUIREMENTS WITH GENERAL CONTRACTOR. 2

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Salt Lake Community College

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PROFESSIONAL ENGINEER RAYMOND G. KOLKMAN 176908 STATE OF UTAH

PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION
2	10/2/09	FIRE RATED CORRIDOR ADD.
1	8/7/09	STATE REVIEW COMMENTS

ISSUE TYPE: REVIEW DOCUMENTS

ISSUE DATE: 13th July, 2009

DFCM PROJECT NO: 09003660
CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: RGK
CHK'D BY: WBG

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SHEET TITLE

EQUIPMENT FLOOR PLAN

SHEET NUMBER

EP101

COM*check* Software Version 3.4.0

Lighting Compliance Certificate

2006 IECC

Report Date: 06/30/09
Data filename: C:\SLCC RRC Admin Basement.cck

Section 1: Project Information

Project Title: SLCC Administration Building MDC and Mail Room Remodel

Construction Site:
4600 South Redwood Road
Taylorsville, UT

Owner/Agent:

Designer/Contractor:
Ray Kolkman
Thomas & Kolkman Eng. Co. Inc.
64 West 1700 South
Salt Lake City, UT 84115
801.484.8161

Section 2: General Information

Building Use Description by:	Activity Type
Project Type:	Addition

Activity Type(s)	Floor Area
School/University	7300

Section 3: Requirements Checklist

Interior Lighting:

☐ 1. Total actual watts must be less than or equal to total allowed watts.

Allowed Watts	Actual Watts	Complies
8760	7834	YES

Exterior Lighting:

☐ 2. Efficacy greater than 45 lumens/W.
Exceptions:
Specialized lighting highlighting features of historic buildings; signage; safety or security lighting; low-voltage landscape lighting.

☐ 3. Comply with Sections 506.2.4 and 506.6 of IECC 2006 and attach documentation.

Controls, Switching, and Wiring:

☐ 4. Independent controls for each space (switch/occupancy sensor).
Exceptions:
Areas designated as security or emergency areas that must be continuously illuminated.
Lighting in stairways or corridors that are elements of the means of egress.

☐ 5. Master switch at entry to hotel/motel guest room.

☐ 6. Individual dwelling units separately metered.

☐ 7. Each space provided with a manual control to provide uniform light reduction by at least 50%.
Exceptions:
Only one luminaire in space;
An occupant-sensing device controls the area;
The area is a corridor, storeroom, restroom, public lobby or sleeping unit;
Areas that use less than 0.6 Watts/sq.ft.

☐ 8. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.
Exceptions:
Sleeping units, patient care areas, and spaces where automatic shutoff would endanger safety or security.

☐ 9. Photocell/astronomical time switch on exterior lights.
Exceptions:
Lighting intended for 24 hour use.

☐ 10. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).
Exceptions:
Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Section 4: Compliance Statement

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2006 IECC requirements in COMcheck-Version 3.4.0 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title _____ Signature _____ Date _____

COM*check* Software Version 3.4.0

Lighting Application Worksheet

2006 IECC

Report Date:
Data filename: C:\SLCC RRC Admin Basement.cck

Section 1: Allowed Lighting Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
School/University	7300	1.2	8760
		Total Allowed Watts =	8760

Section 2: Actual Lighting Power Calculation

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
School/University (7300 sq.ft.)				
Linear Fluorescent 1: F-1: 2'X4' 3 Lamp Parabolic / 48" T8 32W / Electronic	3	32	79	2528
Linear Fluorescent 2: F-2: 2'X4' 4 Lamp Parabolic / 48" T8 32W / Electronic	4	6	102	612
Linear Fluorescent 3: F-3: 2'X4' 2 Lamp Prismatic / 48" T8 32W / Electronic	2	15	56	840
Linear Fluorescent 4: F-4: 4' 4 Lamp Wraparound / 48" T8 32W / Electronic	4	1	102	102
Linear Fluorescent 5: F-5: 4' Wraparound / 48" T8 32W / Electronic	2	10	56	560
Linear Fluorescent 6: F-6: 8' Strip light / 48" T8 32W / Electronic	4	7	102	714
Linear Fluorescent 7: F-7: 12' Indirect / Direct / 48" T8 32W / Electronic	6	2	204	408
Linear Fluorescent 8: F-8: 8' Indirect / Direct / 48" T8 32W / Electronic	4	2	136	272
Linear Fluorescent 9: F-9: 4' Indirect / Direct / 48" T8 32W / Electronic	2	4	56	224
Linear Fluorescent 10: F-10: 4' Indirect / Direct / 48" T8 32W / Electronic	1	5	28	140
Compact Fluorescent 1: F-11: 8" Downlight / Triple 4-pin 32W / Electronic	1	6	36	216
Compact Fluorescent 2: F-12: 8" Downlight / Triple 4-pin 32W / Electronic	1	13	36	468
Incandescent 1: F-13: 4" Downlight / Incandescent 60W	1	15	50	750
			Total Actual Watts =	7834

Section 3: Compliance Calculation

If the Total Allowed Watts minus the Total Actual Watts is greater than or equal to zero, the building complies.

Total Allowed Watts =	8760
Total Actual Watts =	7834
Project Compliance =	926

Lighting PASSES: Design 11% better than code.

EXIST PANEL 'BQ'
TYPE 'SQUARE D' — 120/208 VOLT 3 PHASE 4 WIRE
3 POLE 225 AMP MAIN LUGS — SURFACE MOUNTED

CKT NO	BREAKER POLES	BREAKER AMPS	NO. LTS	NO. OUTS	LOAD -VA PHASE A	LOAD -VA PHASE B	LOAD -VA PHASE C	REMARKS BC	
1	1	20*		4	720			OUTS - STWRD OFFICE	R
2				2	360			OUTS - MAIL ROOM WINDOW	R
3				4		720		OUTS - ASST OFFICE	R
4						800		DOOR OPERATOR - MAIL ROOM	N
5				3			540	OUTS - WEB TEAM	R
6				4			720	OUT - MAIL ROOM	R
7				3	540			OUTS - DVLPT DIRECTOR	R
8				2	360			OUT - MAIL ROOM: DESKS	R
9				3		540		OUTS - ASST DIRECTOR	R
10				2		360		OUT - MAIL ROOM: DESKS	R
11				4			720	OUTS - WEB TEAM	R
12				2			360	OUTS - MAIL ROOM: BACK CNTR	R
13				4	720			OUTS - WEB TEAM	R
14				1	180			OUT - MAIL ROOM: COUNTER	R
15				3		540		OUTS - WEB TEAM	R
16				4		720		OUT - MAIL ROOM: COUNTER	R
17				1			1,920	OUT - SHREDDER	N
18								SPARE	
19				4	720			OUTS - CORRIDOR & ELECTRICAL	R EF-1
20				1	1,000			OUT - PRODUCTION: STUFFER	R
21				1		1,800		OUT - MAIL CART	N
22				2		1,000		OUT - PRODUCTION: FOLDER	R
23								SPARE	
24	1	20*		1			1,000	OUT - PRODUCTION: NEW STUFFER	R
25	X	X						SPACE	
26									
27									
28									
29									
30	X	X						SPACE	
31	3	150			11,040			EX: DIMMER PANEL - DANCE ROOM	L
32	X	X						SPACE	
33	-	-				11,040		-	
34	X	X						SPACE	
35	-	-					11,040	-	
36	X	X						SPACE	
37	-	-			-			-	
38	X	X						SPACE	
39	-	-				-		-	
40	X	X						SPACE	
41	-	-					-	-	
42	X	X						SPACE	

	CONNECTED	MULTIPLIER	TOTAL	
	15,640	17,520	16,300	
TOTAL CONNECTED LOAD	49,460 VA		FEEDER:	4 #4/0, 2"C
				3P-100A IN PANEL 'BP', XFMR
L&C=LIGHTING & CONTINUOUS	33,120	X 1.25 =	41,400	VA NEC 215.2 or 230.42
LM = LARGEST MOTOR	0	X 1.25 =	0	VA NEC 430.24 or 430.25
M&N = MOTORS & NON-CONT.	4,520	X 1 =	4,520	VA NEC 215.2 or 230.42
R = RECEPTACLE	11,820	1/2>10KVA	10,910	VA NEC 220.44
K = KITCHEN EQUIPMENT	0	0 @ 100%	0	VA NEC 220.56
TOTAL CALCULATED LOAD			56,830	VA 158 AMPS
		NEW LOAD	15,430	VA 43 AMPS

* - PROVIDE NEW BREAKER INCLUDING ALL NECESSARY HARDWARE AND ACCESSORIES

EXIST PANEL 'BP'
TYPE 'SQUARE 'D HCN' — 277/480 VOLT 3 PHASE 4 WIRE
3 POLE 225 AMP MAIN LUGS — SURFACE MOUNTED

CKT NO	BREAKER POLES	BREAKER AMPS	NO. LTS	NO. OUTS	LOAD -VA PHASE A	LOAD -VA PHASE B	LOAD -VA PHASE C	REMARKS BP	
1	3	30			5,000	5,000	5,000	EX: LTS - PARKING LOT	L
2	3	70			9,700	11,800	8,340	PANEL 'EL' / WTR SWITCH	
7	3	20			3,000	3,000	3,000	EX: LTS - PARKING LOT	L
8	3	15*			2,105	2,105	2,105	AIR HANDLER - FAN ROOM	M AH-1
13	3X							SPACE	
14	3X							SPACE	
19	3X							SPACE	
20	3X							SPACE	
25	3	70			7,479	7,479	7,479	EX: CHILLER	M
26	3	100			15,640	17,520	16,300	PANEL 'BQ'	
					42,924	46,904	42,224		
TOTAL CONNECTED LOAD					132,053 VA		FEEDER:	4 #4/0, 2"C	

	CONNECTED	MULTIPLIER	TOTAL	
				3P-225A IN PANEL 'LDP'
L&C=LIGHTING & CONTINUOUS	74,140	X 1.25 =	92,675	VA NEC 215.2 or 230.42
LM = LARGEST MOTOR	22,437	X 1.25 =	28,046	VA NEC 430.24 or 430.25
M&N = MOTORS & NON-CONT.	20,236	X 1 =	20,236	VA NEC 215.2 or 230.42
R = RECEPTACLE	15,240	1/2>10KVA	12,620	VA NEC 220.44
K = KITCHEN EQUIPMENT	0	0 @ 100%	0	VA NEC 220.56
TOTAL CALCULATED LOAD			153,577	VA 185 AMPS
		NEW LOAD	24,600	VA 30 AMPS

* - PROVIDE NEW BREAKER INCLUDING ALL NECESSARY HARDWARE AND ACCESSORIES

LOAD SUMMARY AT PANEL 'LDP' WITH 1000 AMP MAIN BREAKER

PANEL 'BP' INCLUDES 'BQ' & 'EL'	24,600	VA
PANEL 'BC' THRU 'BA' FED FROM 'LDP'	6,168	VA
PANEL 'BS' INCLUDES 'BT'	20,090	VA
TOTAL NEW LOAD	50,858	VA 61 AMPS
PEAK KW METER #47517375	453,600	VA @ .8 PF
+25% (125% NEC 220.87)	113,400	VA
TOTAL LOAD PANEL 'LDP'	617,858	VA 744 AMPS

EXIST PANEL 'BS'
TYPE 'GE A-SERIES' — 277/480 VOLT 3 PHASE 4 WIRE
3 POLE 125 AMP MAIN LUGS — SURFACE MOUNTED

CKT NO	BREAKER POLES	BREAKER AMPS	NO. LTS	NO. OUTS	LOAD -VA PHASE A	LOAD -VA PHASE B	LOAD -VA PHASE C	REMARKS BS	
1		20			970			EX: LTS	L
2	3	20			859			EX: AH-1 VFD	M
3	1	20				970		RE: LTS	L
4	-	-				859		-	
5	1	20	27				1,510	LTS - RECEPTION & OFFICES	L
6	-	-					859	-	
7	1	20			970			RE: LTS	L
8	3	20			249			EX: PUMP COOLING UNIT P-1	M
9	1	20				970		EX: LTS	L
10	-	-				249		-	
11	1	20					970	EX: LTS	L
12	-	-					249	-	
13	1	20	19		1,800			LTS - OFFICES	L
14	3	20			249			EX: PUMP COOLING UNIT P-2	M
15	1	20	23			2,220		LTS - MAIL	L
16	-	-				249		-	
17	1	20						SPARE	
18	-	-					249	-	
19	1	20						SPARE	
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37	1	20						SPARE	
38	3	70			11,590			PANEL 'BT'	
39	1	20						SPARE	
40	-	-				9,880		-	
41	1	20						SPARE	
42	-	-					9,660	-	

	CONNECTED	MULTIPLIER	TOTAL	
	16,686	15,396	13,497	
TOTAL CONNECTED LOAD	45,579 VA		FEEDER:	4 #1, 1 #6 GND , 1-1/2"C
				3P-100A IN PANEL 'LDP'
L&C=LIGHTING & CONTINUOUS	12,108	X 1.25 =	15,134	VA NEC 215.2 or 230.42
LM = LARGEST MOTOR	2,576	X 1.25 =	3,220	VA NEC 430.24 or 430.25
M&N = MOTORS & NON-CONT.	10,196	X 1 =	10,196	VA NEC 215.2 or 230.42
R = RECEPTACLE	20,700	1/2>10KVA	15,350	VA NEC 220.44
K = KITCHEN EQUIPMENT	0	0 @ 100%	0	VA NEC 220.56
TOTAL CALCULATED LOAD			43,900	VA 53 AMPS
		NEW LOAD	20,090	VA 24 AMPS

EXIST PANEL 'BT'
TYPE 'GE A-SERIES' — 120/208 VOLT 3 PHASE 4 WIRE
3 POLE 150 AMP MAIN BREAKER — SURFACE MOUNTED

CKT NO	BREAKER POLES	BREAKER AMPS	NO. LTS	NO. OUTS	LOAD -VA PHASE A	LOAD -VA PHASE B	LOAD -VA PHASE C	REMARKS BT	
1	1	20		7	1,260			RE: OUTS -ADMIN Q022	R
2					1,440			EX: OUTS - ROOM #25	R
3				1		1,000		OUT - ADMIN Q022: REFRIG	N
4						1,440		EX: OUTS - ROOM #27	R
5				1			900	OUT - ADMIN Q022: MICROWAVE	N
6							1,800	EX: OUTS	R
7				2	360			OUTS - ADMIN Q022: COUNTER	R
8					540			EX: OUTS	R
9				1		1,000		OUT - ADMN Q022: SERVER	N
10						720		EX: OUTS	R
11				1			1,000	OUT - ADMIN Q022: COPIER	N
12							1,080	EX: OUTS	R
13				5	900			OUTS - RECEPTION R022	R
14					1,000			EX: OUTS	N
15						500		EX: LTS - ELEVATOR CAR	L
16						1,000		EX: OUTS	N
17				4			720	OUTS - RECEPTION R022	R
18							1,000	EX: OUTS	N
19				4	720			OUTS - OFFICE P022	R
20					900			EX: OUT - LOBBY	R
21				3		540		OUT - OFFICE N022	R
22						900		EX: OUT - LOBBY	R
23				1			1,000	OUT - PRINTER CLOSET	N
24							900	EX: OUT	R
25			7		610			LTS - CONFERENCE ROOM	L
26				3	800			OUTS - CORRIDOR: EWC	N
27			12			620		LTS - VP OFFICE	L
28						1,800		EX: OUTS	R
29				4			720	OUTS - CONFERENCE ROOM	R
30								SPARE	
31				3	540			OUTS - CONFERENCE ROOM: A/V	R
32					1,080			EX: OUTS	R
33				2		360		OUTS - VP OFFICE	R
34								SPARE	
35				3			540	OUTS - VP OFFICE	R
36								SPARE	
37				3	540			OUTS - DVLPT OFFICE	R
38					900			EX: OUTS	R
39								SPARE	
40								SPARE	
41								SPARE	
42	1	20						SPARE	

	CONNECTED	MULTIPLIER	TOTAL	
	11,590	9,880	9,660	
TOTAL CONNECTED LOAD	31,130 VA		FEEDER:	4 #1/0, 1 #8 GND , 1-1/4"C
				3P-70A IN PANEL 'BS', XFMR
L&C=LIGHTING & CONTINUOUS	1,730	X 1.25 =	2,163	VA NEC 215.2 or 230.42
LM = LARGEST MOTOR	0	X 1.25 =	0	VA NEC 430.24 or 430.25
M&N = MOTORS & NON-CONT.	8,700	X 1 =	8,700	VA NEC 215.2 or 230.42
R = RECEPTACLE	20,700	1/2>10KVA	15,350	VA NEC 220.44
K = KITCHEN EQUIPMENT	0	0 @ 100%	0	VA NEC 220.56
TOTAL CALCULATED LOAD			26,213	VA 73 AMPS
		NEW LOAD	13,178	VA 37 AMPS

NEW PANEL 'EL'
TYPE 'SQUARE D NEHB' — 277/480 VOLT 3 PHASE 4 WIRE
3 POLE 125 AMP MAIN LUGS — SURFACE MOUNTED

CKT NO	BREAKER POLES	BREAKER AMPS	NO. LTS	NO. OUTS	LOAD -VA PHASE A	LOAD -VA PHASE B	LOAD -VA PHASE C	REMARKS EL	
1	1	20			1,000			EX: LTS - EAST STAIRWAY	L **
2					1,000			EX: LTS - WEST STAIRWAY	L **
3						1,000		EX: LTS - TUNNEL	L **
4						1,000		RE: LTS - BASEMENT	L **
5							2,000	EX: LTS - 1st FLOOR	L **
6			17				1,020	LTS - BASEMENT	L
7					2,000			EX: LTS - 2nd FLOOR	L **
8								SPARE	
9						2,000		EX: LTS - 3rd FLOOR	L **
10						2,000		EX: LTS - TUNNEL	L **
11								SPARE	
12	1	20						SPARE	
13	3	20			5,700			PANEL 'EP'	**
14	1	20						SPARE	
15	-	-				5,800		-	
16	1	20						SPARE	
17	-	-					5,320	-	
18	1	20						SPARE	
19								SPACE	
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30	1							SPACE	

	CONNECTED	MULTIPLIER	TOTAL	
	9,700	11,800	8,340	
TOTAL CONNECTED LOAD	29,840 VA		FEEDER:	4 #2, 1-1/4"C
				3P-70A IN PANEL 'BP'
L&C=LIGHTING & CONTINUOUS	17,020	X 1.25 =	21,275	VA NEC 215.2 or 230.42
LM = LARGEST MOTOR	0	X 1.25 =	0	VA NEC 430.24 or 430.25
M&N = MOTORS & NON-CONT.	9,400	X 1 =	9,400	VA NEC 215.2 or 230.42
R = RECEPTACLE	3,420	1/2>10KVA	3,420	VA NEC 220.44
K = KITCHEN EQUIPMENT	0	0 @ 100%	0	VA NEC 220.56
TOTAL CALCULATED LOAD			34,095	VA 41 AMPS
		NEW LOAD	1,275	VA 2 AMPS

** - EXTEND AND RECONNECT EXISTING BRANCH CIRCUITS TO REMAIN

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Department of Administrative Services
Division of Facilities Construction & Management
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Salt Lake City, Utah 84114
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PROFESSIONAL ENGINEER RAYMOND G. KOLKMAN 175206 STATE OF UTAH

PROJECT TITLE:
SALT LAKE COMMUNITY COLLEGE
ADMINISTRATION BUILDING
MDC AND MAIL ROOM REMODEL
4600 SOUTH REDWOOD ROAD
TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION
2	10/2/09	FIRE RATED CORRIDOR ADD.
1	8/7/09	STATE REVIEW COMMENTS

ISSUE TYPE: REVIEW DOCUMENTS

ISSUE DATE: 13th July, 2009

DFCM PROJECT NO: 09003660
CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: RGK
CHK'D BY: WBG
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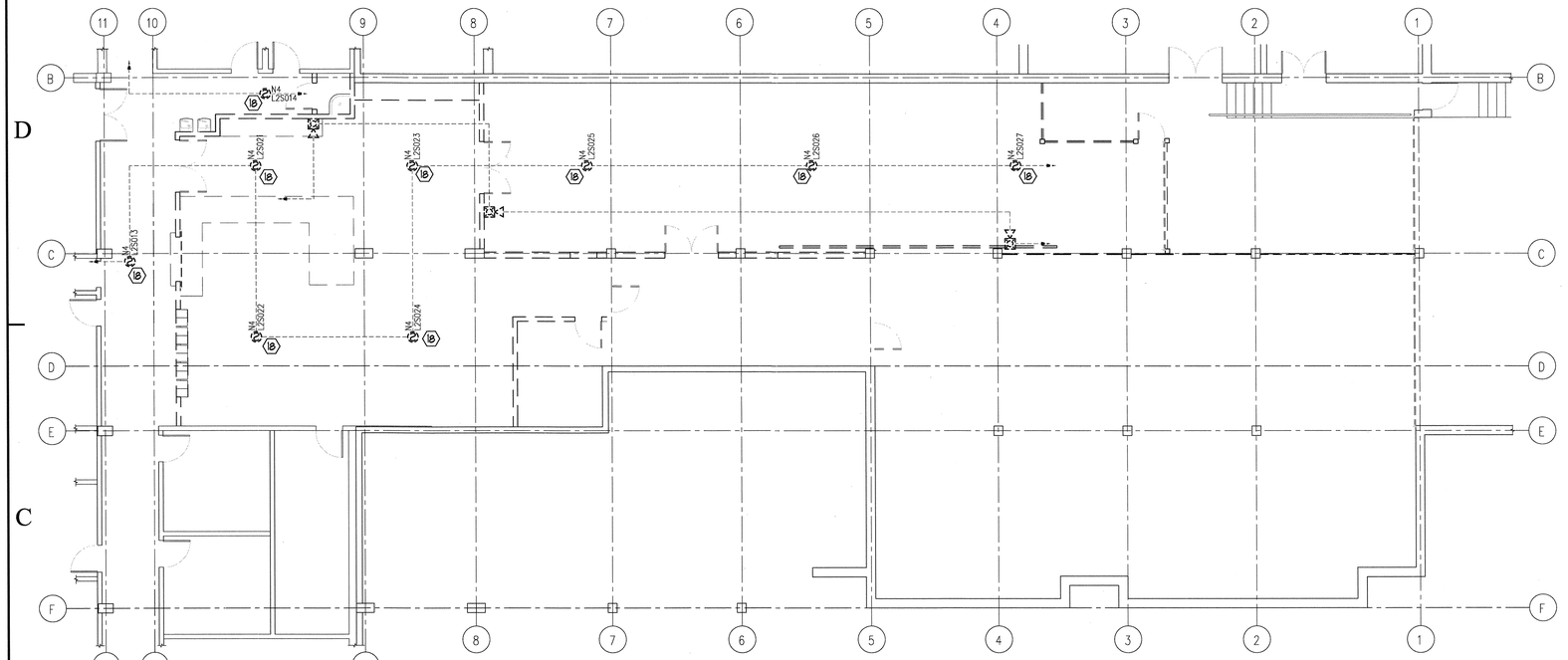
SHEET TITLE
SCHEDULES

SHEET NUMBER
E-601

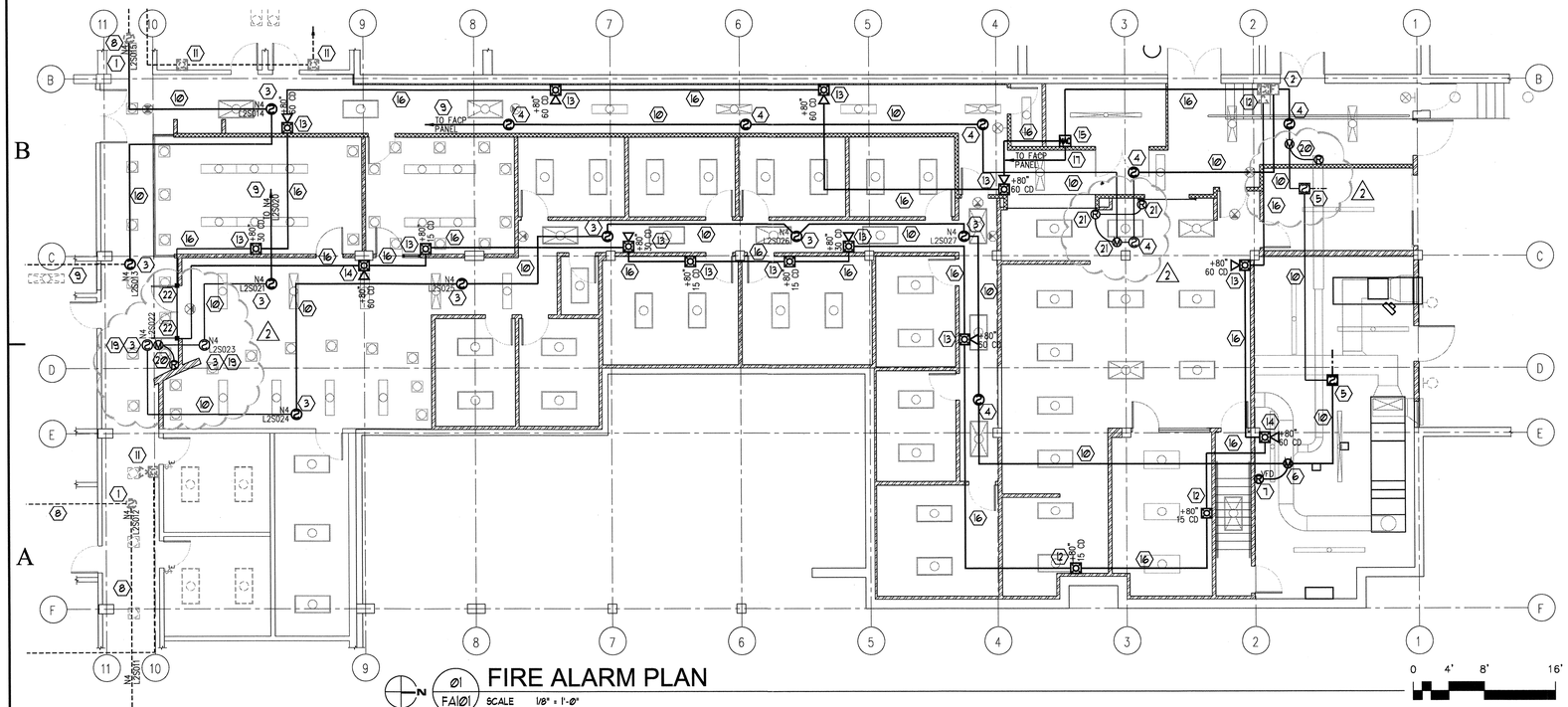


PLAN NORTH

Ø2 / FA101 FIRE ALARM DEMOLITION PLAN

SCALE 1/8" = 1'-0"

0 4' 8' 16'



PLAN NORTH

Ø1 / FA101 FIRE ALARM PLAN

SCALE 1/8" = 1'-0"

0 4' 8' 16'

GENERAL NOTES:

1. THE EXISTING BUILDING IS PROTECTED THROUGHOUT BY AN AUTOMATIC FIRE ALARM SYSTEM WHICH IS TO REMAIN OPERATIONAL THROUGHOUT THE CONSTRUCTION PERIOD.
2. SUBMIT REQUESTS FOR FIRE ALARM SYSTEM OUTAGES TO THE SLCC FACILITIES PROJECT MANAGER NOT LESS THAN 7 DAYS PRIOR TO ANY PROPOSED FIRE ALARM OUTAGES. IMMEDIATELY NOTIFY THE SLCC FACILITIES PROJECT MANAGER IF THE FIRE ALARM IS UNINTENTIONALLY DISABLED AND IMMEDIATELY MAKE REPAIRS TO RESTORE THE SYSTEM TO AN OPERATIONAL CONDITION.
3. THE CONTRACTOR SHALL MAINTAIN A FIRE WATCH DURING ALL FIRE ALARM SYSTEM OUTAGES IN ACCORDANCE WITH IFC SECTION 901.7.
4. ANY WORK PERFORMED ON THE FIRE ALARM SYSTEM SHALL BE APPROVED IN ADVANCE BY THE FIRE ALARM SYSTEM FACTORY REPRESENTIVE. GAMEWELL TYPE "E3 SERIES / FIRE FORTE" - CONTACT NELSON FIRE SYSTEMS AT (801) 468-8300.
5. PROTECT EXISTING SMOKE DETECTORS IN THE AREA OF CONSTRUCTION FROM EXCESSIVE DUST ACCUMULATION BY MEANS OF TEMPORARY DUST COVERS DURING DUST PRODUCING WORK OPERATIONS. REMOVE DUST COVERS IMMEDIATELY UPON COMPLETION OF DUST PRODUCING WORK.
6. CLEAN ALL EXISTING SMOKE DETECTORS AFFECTED BY CONSTRUCTION IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS UPON COMPLETION OF WORK AND PRIOR TO SUBSTANTIAL COMPLETION.
7. TEST ALL SMOKE DETECTORS AFTER CLEANING AND PRIOR TO SUBSTANTIAL COMPLETION. TESTING SHALL BE PERFORMED BY A FACTORY AUTHORIZED AND TRAINED TECHNICIAN OF THE FIRE ALARM SYSTEM MANUFACTURER. GAMEWELL TYPE "E3 SERIES / FIRE FORTE" - CONTACT NELSON FIRE SYSTEMS AT (801) 468-8300.
8. CONTRACTOR SHALL PROVIDE SEISMIC BRACING OF EQUIPMENT, RACEWAYS, LIGHT FIXTURES, ETC. IN ACCORDANCE WITH IBC 1613.1 AND ACSE 7. PROVIDE DESIGNS, CALCULATIONS, CERTIFICATIONS AND STAMPED DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO BEGINNING WORK. SEE SHEET AG-1001 FOR SEISMIC DESIGN CATEGORY OF BUILDING. 1

REFERENCE NOTES:

1. EXISTING SMOKE DETECTOR TO REMAIN.
2. EXISTING PULL STATION TO REMAIN, CONNECT TO SLC LOOP, FIELD VERIFY REQUIREMENTS.
3. RELOCATE SMOKE DETECTOR SALVAGED DURING DEMOLITION. PROVIDE NEW ADDRESS LABEL AS AS REQUIRED FOR NEW LOOP CONFIGURATION.
4. PROVIDE NEW SMOKE DETECTOR (COMPATIBLE WITH EXISTING SYSTEM) INCLUDING ALL NECESSARY BASE, HARDWARE, ACCESSORIES AND PROGRAMMING.
5. PROVIDE NEW DUCT SMOKE DETECTOR (COMPATIBLE WITH EXISTING SYSTEM) WITH SAMPLING TUBE INCLUDING ALL NECESSARY BASE, HARDWARE, ACCESSORIES AND PROGRAMMING. INSTALL IN RETURN AIR DUCT PER NFPA REQUIREMENTS AND MANUFACTURER'S SPECIFICATIONS.
6. PROVIDE FIRE ALARM SYSTEM CONTROL MODULE. INSTALL ADJACENT AIR HANDLER AND INTERLOCK MODULE WITH FAN SHUT DOWN RELAYS. CONNECT MODULE TO EXISTING SIGNAL LINE CIRCUIT.
7. PROVIDE FIRE ALARM SYSTEM FAN SHUT DOWN RELAY AT VFD AND CONNECT TO VFD CONTROLS. INTERLOCK RELAY WITH CONTROL MODULE, PROVIDE CONDUCTORS PER MANUFACTURERS REQUIREMENTS IN RACEWAY.
8. EXISTING FIRE ALARM SYSTEM SIGNAL LINE CIRCUIT (SLC) LOOP IN METAL CLAD CABLE TO REMAIN.
9. EXTEND EXISTING FIRE ALARM SYSTEM SIGNAL LINE CIRCUIT (SLC) LOOP. SLC LOOP, #6 TWISTED PAIR METAL CLAD CABLE TO MATCH EXISTING FIRE ALARM SYSTEM WIRING. FIELD VERIFY REQUIREMENTS.
10. PROVIDE NEW SLC LOOP, #6 TWISTED PAIR METAL CLAD CABLE TO MATCH EXISTING FIRE ALARM SYSTEM WIRING. SUPPORT CABLE ABOVE NEW ACCESSIBLE CEILINGS IN ACCORDANCE WITH NEC 330200.
11. EXISTING HORN STROBE TO REMAIN.
12. EXISTING HORN STROBE TO REMAIN, CONNECT TO NAC LOOP, FIELD VERIFY REQUIREMENTS.
13. PROVIDE NEW HORN/STROBE. PROVIDE NEW FLUSH MOUNTED OUTLET/BACK BOX.
14. PROVIDE NEW HORN/STROBE. PROVIDE NEW SURFACE MOUNTED OUTLET/BACK BOX.
15. PROVIDE NEW NAC PANEL AS REQUIRED FOR NEW NOTIFICATIONS APPLIANCE CIRCUIT. CONNECT TO EXISTING NOTIFICATION APPLIANCE CIRCUIT FIELD VERIFY REQUIREMENTS.
16. NEW NOTIFICATION APPLIANCE CIRCUIT (NAC) LOOP, 2 #14 METAL CLAD CABLE TO MATCH EXISTING FIRE ALARM SYSTEM WIRING. CONNECT TO NEW NOTIFICATION APPLIANCE CIRCUIT (NAC) PANEL. FIELD VERIFY REQUIREMENTS. SUPPORT CABLE ABOVE NEW ACCESSIBLE CEILINGS IN ACCORDANCE WITH NEC 330200.
17. CONNECT TO EXISTING NOTIFICATION APPLIANCE CIRCUIT. FIELD VERIFY REQUIREMENTS. SUPPORT CABLE ABOVE NEW ACCESSIBLE CEILINGS IN ACCORDANCE WITH NEC 330200.
18. REMOVE SMOKE DETECTOR, SALVAGE AND RELOCATE, SEE NEW FIRE ALARM PLAN THIS SHEET.
19. INSTALL SMOKE DETECTOR IN PLENUM SPACE ADJACENT TRANSFER DUCT THROUGH FIRE RATED WALL.
20. PROVIDE FIRE ALARM SYSTEM CONTROL MODULE. INSTALL ADJACENT SMOKE DAMPER AND INTERLOCK MODULE WITH DAMPER RELAY. CONNECT MODULE TO EXISTING SIGNAL LINE CIRCUIT. PROVIDE RELAY AT SMOKE DAMPER AND CONNECT TO SMOKE DAMPER CONTROLS. INTERLOCK RELAY WITH CONTROL MODULE, PROVIDE CONDUCTORS PER MANUFACTURERS REQUIREMENTS IN RACEWAY.
21. PROVIDE FIRE ALARM SYSTEM CONTROL MODULE. INSTALL ADJACENT FIRE DOORS AND INTERLOCK MODULE WITH TWO (2) DOOR RELEASE DEVICES. CONNECT MODULE TO EXISTING SIGNAL LINE CIRCUIT. PROVIDE RELAYS AT EACH DOOR RELASE DEVICE AND CONNECT TO DOOR RELEASE CONTROLS. INTERLOCK RELAY WITH CONTROL MODULE, PROVIDE CONDUCTORS PER MANUFACTURERS REQUIREMENTS IN RACEWAY.
22. CONNECT MAGNETIC DOOR HOLD OPEN (FURNISHED WITH DOORS) TO FIRE ALARM SYSTEM. COORDINATE REQUIREMENTS WITH EQUIPMENT SUPPLIER / INSTALLER AND GENERAL CONTRACTOR, PRIOR TO BEGINNING WORK. 2

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PROJECT TITLE:

SALT LAKE COMMUNITY COLLEGE ADMINISTRATION BUILDING MDC AND MAIL ROOM REMODEL
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TAYLORSVILLE, UTAH

MARK	DATE	DESCRIPTION
2	10/2/09	FIRE RATED CORRIDOR ADD.
1	8/7/09	STATE REVIEW COMMENTS

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FIRE ALARM PLANS

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