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UTAH VALLEY UNIVERSITY EXTENDED EDUCATION BUILDING INTERIOR REMODEL

OREM, UTAH

DFCM PROJECT NO. 10011790



State of Utah— Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT

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

April 12th, 2010

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State of Utah

Department of Administrative Services

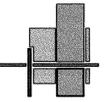
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architecture planning design

CONSULTANT:

PROJECT TITLE:
UTAH VALLEY UNIVERSITY
OREM, UTAH

EXTENDED EDUCATION
BUILDING

INTERIOR REMODEL

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 12th April, 2010

DFCM PROJECT NO: 10011790

CAD PROJECT NO:

CAD DWG FILE:

DRAWN BY: BRIAN AND SCOTT

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SHEET TITLE

COVER SHEET

SHEET NUMBER

A-G1000

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GENERAL
INFORMATION

SHEET NUMBER

A-G1001

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
∅	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
BD	BOARD	INFO	INFORMATION
BITUM.	BITUMINOUS	INSUL.	INSULATION
BLDG	BUILDING	LAV.	LAVATORY
B.M.	BENCHMARK	LT.	LIGHT
B.O.	BOTTOM OF	MATL.	MATERIAL
BRG.	BEARING	MAX.	MAXIMUM
BTWN.	BETWEEN	MECH.	MECHANICAL
CER.	CERAMIC	MFR.	MANUFACTURER
CJ	CONSTRUCTION JOINT	MIN.	MINIMUM
CLG.	CEILING	MISC.	MISCELLANEOUS
CLR.	CLEAR	M.O.	MASONRY OPENING
CMU	CONCRETE MASONRY UNIT	MTL.	METAL
COL.	COLUMN	NOT IN CONTRACT	NOT IN CONTRACT
CONC.	CONCRETE	NO.	NUMBER
CONT.	CONTINUOUS	N.T.S.	NOT TO SCALE
CONST.	CONSTRUCTION	O.C.	ON CENTER
COORD.	COORDINATE	O.D.	OUTSIDE DIAMETER
CTJ	CONTRACTION JOINT	O.H.	OVERHEAD
DBL	DOUBLE	OPP.	OPPOSITE
DPW	DIRECTOR OF PUBLIC WORKS	PART.	PARTITION
DIA.	DIAMETER	PERP.	PERPENDICULAR
DPG	DUGWAY PROVING GROUND	PL.	PLATE
DTL.	DETAIL	PNTD.	PAINTED
DWGS.	DRAWINGS	PSI	POUNDS PER SQUARE INCH
EA.	EACH	R.D.	ROOF DRAIN
EJ	EXPANSION JOINT	RAD.	RADIUS
ELEV.	ELEVATION	REINFORC.	REINFORCED
EQ.	EQUAL	REQ'D	REQUIRED
E.S.	EACH SIDE	RET.	RETURN
EXIST.	EXISTING	REV.	REVERSED
EXPAN.	EXPANSION	RM.	ROOM
EXT.	EXTERIOR	R.O.	ROUGH OPENING
E.W.C.	ELECTRIC WATER COOLER	SCHED.	SCHEDULE
F.D.	FLOOR DRAIN	SHR.	SHOWER
FDN.	FOUNDATION	SHT.	SHEET
F.E.	FIRE EXTINGUISHER	SIM.	SIMILAR
F.E.C.	FIRE EXTINGUISHER CABINET	SPEC.	SPECIFICATION
F.F.	FINISH FLOOR	STD.	STANDARD
FIN.	FINISH	STR.	STRUCTURAL
FLR.	FLOOR	SUSP.	SUSPENDED
F.L.	FLOW LINE	THRU	THROUGH
FTG.	FOOTING	T.O.	TOP OF
GA.	GAGE	T.O.A.	TOP OF ASPHALT
GALV.	GALVANIZED	T.O.C.	TOP OF CURB
GF-OI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED	T.O.F.	TOP OF FOOTING
GF-GI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED	T.O.S.	TOP OF SLAB OR SIDEWALK
GI.	GALVANIZED STEEL	T.O.W.	TOP OF WALL
GND.	GROUND	TYP.	TYPICAL
GOVT.	GOVERNMENT	VERT.	VERTICAL
		VEST.	VESTIBULE
		W/	WITH
		WD	WOOD

DESIGN TEAM

ARCHITECT

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STRUCTURAL

VECTOR ENGINEERING
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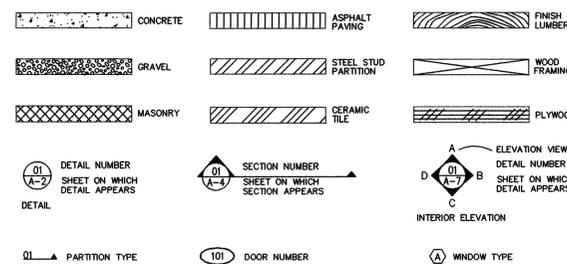
MECHANICAL

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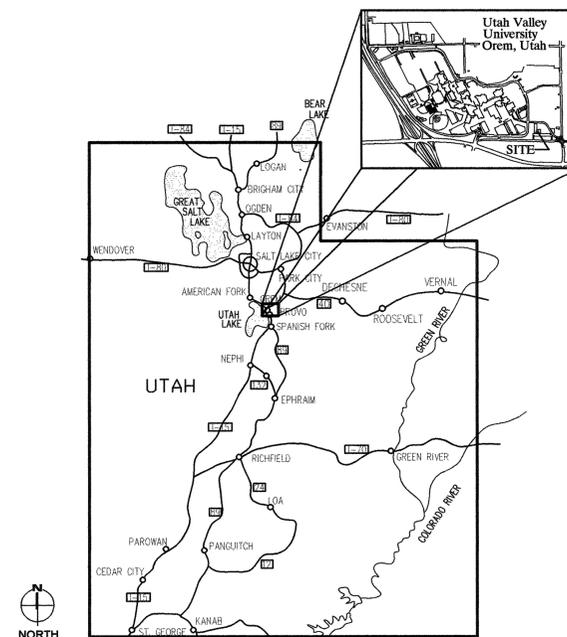
LIST OF DRAWINGS

GENERAL	COVER SHEET
AG-1000	COVER SHEET AND GENERAL INFORMATION
AG-1001	GENERAL CODE INFORMATION
AG-1002	GENERAL CODE INFORMATION
ARCHITECTURAL DRAWINGS	
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A-SD101	SITE DETAILS
A-DP100	DEMOLITION FLOOR PLAN
A-DC101	DEMOLITION CEILING PLAN
A-DP102	DEMOLITION INTERIOR ELEVATION
A-FP100	FLOOR PLAN
A-CP101	CEILING PLAN
A-FF102	FINISH FLOOR PLAN
A-DT500	FINISH SCHEDULES, DOOR SCHEDULES, DOOR AND WINDOW TYPES
A-DT500A	WINDOW TYPES, ENLARGED PLANS, CASEWORK ELEVATIONS AND DETAILS
A-DT501	WALL TYPES, DOOR AND WINDOW DETAILS
A-DT502	CEILING DETAILS, ENLARGED PLANS AND CASEWORK ELEVATIONS AND DETAILS
A-IE600	INTERIOR ELEVATIONS AND MISCELLANEOUS DETAILS
STRUCTURAL	
S1	STRUCTURAL DEMOLITION PLAN AND DETAILS
S2	SPECIAL INSPECTION
MECHANICAL	
M001	MECHANICAL SYMBOLS AND ABBREVIATIONS
MD100	MECHANICAL DEMOLITION FLOOR PLAN
M100	MECHANICAL FLOOR PLAN
M501	MECHANICAL DETAILS AND SCHEDULES
ELECTRICAL	
E001	ELECTRICAL SYMBOLS
E002	ELECTRICAL COMCHECK
ED100	LIGHTING DEMOLITION PLAN
ED200	POWER DEMOLITION PLAN
E100	LIGHTING PLAN
E200	POWER PLAN
E300	DETAILS AND SCHEDULES

GRAPHIC KEY



VICINITY MAP



NOT TO SCALE

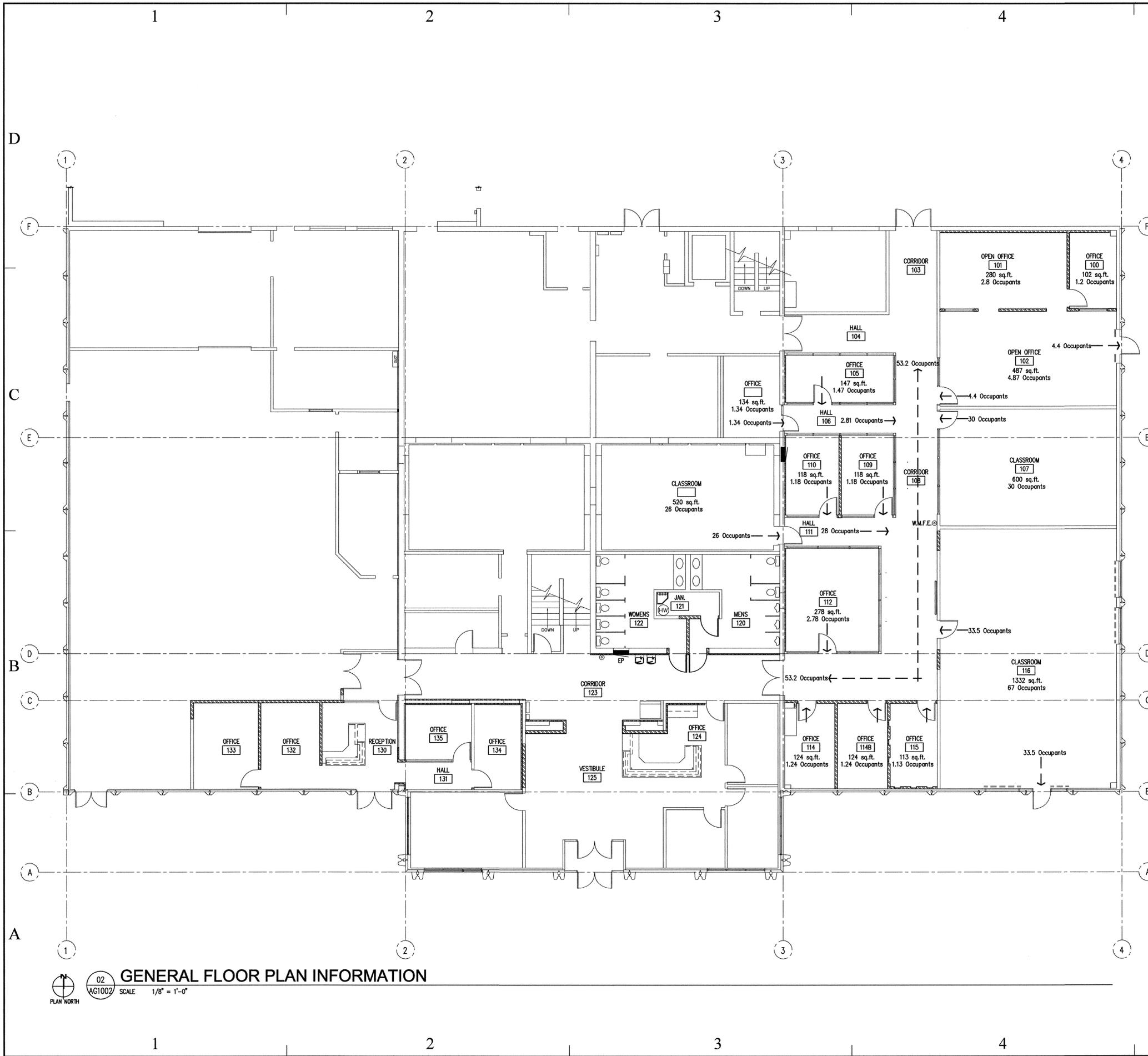
DFCM DESIGN AND CODE CRITERIA

APPLICABLE CODES			
Code	Year	Code	Year
International Building Code	2006	National Electrical Code	2008
International Mechanical Code	2006	Uniform Code for Building Conservation	N/A
International Plumbing Code	2006	ADA Accessibility Guidelines	N/A
International Fire Code	2006		
International Energy Conservation Code	N/A		

- A. Occupancy and Group: S-1 B _____
Change in Use: Yes _____ No Mixed Occupancy: Yes _____ 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 B C D E F G H I J K L M N O P Q R S T U V W X Y Z
- D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: 0 South: 0 East: 0 West: 0
- E. Mixed Occupancies: YES Nonseparated Uses: YES
- F. Sprinklers: Required: NO Provided: YES Type of Sprinkler System: WET PIPE
- G. Actual building area at main level floor only (square feet): 28,868 sq. ft.
- H. Number of Stories: 2 above grade 1 below grade Building Height: 26'-8"
- I. Tabular Area: 17,500 sq. ft. Tabular Height: 3 levels
- J. Area Increase For Sprinklers: 200%
- K. Area Increase For Sprinklers: 2 x 17,500 = 35,000 sq. ft. allowable
- L. Area Modifications:
a) $A_a = A_1 + \left[\frac{A_1 L_1}{100} + \frac{A_1 L_2}{100} \right] I_1 = 100 \left[\frac{F}{P} - 0.25 \right] \frac{W}{30}$
b) Sum of the Ratio Calculations for Mixed Occupancies:
Actual Area ≤ 1
Allowable Area ≤ 1
- c) Total Allowable Area for:
1) One Story: _____
2) Two Story: $A_1(2)$ _____
3) Three Story: $A_1(3)$ _____
- d) Unlimited Area Building: Yes _____ No Code Section: N/A
- M. Fire Resistance Rating Requirements for Building Elements (hours)
- | Element | Hours | Assembly Listing | Element | Hours | Assembly Listing |
|----------------------------|-------|------------------|----------------------------|-------|------------------|
| Exterior Bearing Walls | 0 | — | 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: Classroom=1 Per 20 Offices/Business = 1 Per 100
Minimum Exit Width Required: 44" Exit Width Provided: 54"
- O. Minimum Number of Required Plumbing Facilities:
a) Water Closets - Required (m) 1per25(f) 1per25 Provided (m) 2 (f) 5
b) Lavatories - Required (m) 1per40(f) 1per40 Provided (m) 2 (f) 2
c) Bath Tubs or Showers: NONE
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 1 through 16 - 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) Abutments.
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 nonstructural components that are permanently attached to structures and their supports and attachments, shall be designed and constructed to resist the effects of earthquake motions in accordance with ASCE 7.05 and IBC Section 1613.1.
4) Deferred Submittals As Listed Below To Be Submitted To The Building Official
a) All Submittals to be provided A/E team



FIXTURE REQUIREMENTS

- 1. EXISTING BUILDING NUMBER OF OCCUPANTS IS NOT BEING ALTERED
- 2. ONE SERVICE SINK PROVIDED

LEGEND

← EGRESS PATH AND NUMBER OF OCCUPANTS

GENERAL BUILDING INFO

- 1. MAIN LEVEL SQUARE FOOTAGE = 28,864 sq. ft.
- 2. MINIMUM ALLOWABLE CORRIDOR WIDTH = 44"

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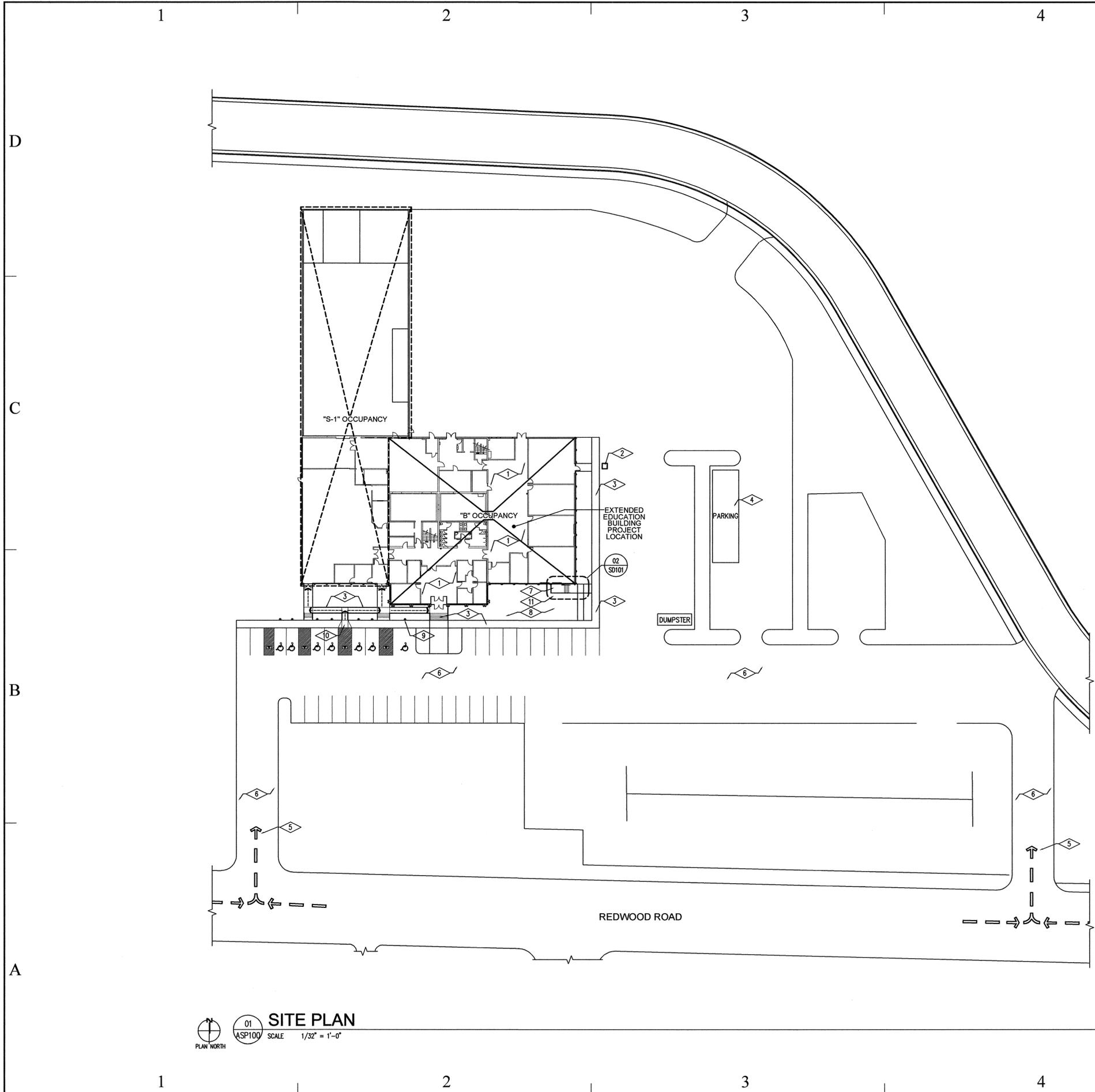
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SHEET TITLE
**GENERAL CODE
 INFORMATION**

SHEET NUMBER

A-G1002

GENERAL FLOOR PLAN INFORMATION
 02
 AG1002 SCALE 1/8" = 1'-0"
 PLAN NORTH



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 NEW CONCRETE STAIR AND LANDING. SEE ENLARGED PLANS, SECTIONS, ELEVATIONS AND DETAILS ON DRAWING ASD101
- 8 EXISTING AREA OF LANDSCAPING NOT TO BE DISTURBED
- 9 EXISTING ADA VAN PARKING STALL
- 10 EXISTING ADA CURB RAMPS
- 11 GENERAL CONTRACTOR SHALL DISCONNECT EXISTING LANDSCAPE IRRIGATION SYSTEM AT AREAS OF CONSTRUCTION. UPON COMPLETION OF PROJECT THE GENERAL CONTRACTOR SHALL REPLACE AND PROVIDE NEW SPRINKLERS, PIPING AND SOO AS NECESSARY TO MAINTAIN EXISTING AND NEW LANDSCAPING. GENERAL CONTRACTOR SHALL USE "LIKE SPRINKLER MATERIAL"

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.

LEGEND

- CONTRACTOR PARKING AREA
- CONTRACTORS DUMPSTER LOCATION
- CONTRACTOR VEHICLE ACCESS TO CONSTRUCTION SITE
- ADA ACCESS TO BUILDING

01 **SITE PLAN**
 ASP100 SCALE 1/32" = 1'-0"
 PLAN NORTH

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SHEET TITLE

SITE PLAN

SHEET NUMBER

A-SP100



- ### 5 REFERENCE NOTES
- 1 EXISTING STORE FRONT WINDOW SYSTEM TO BE REMOVED. SEE NEW FLOOR PLAN FOR NEW DOOR AND WINDOW SYSTEM AT THIS LOCATION.
 - 2 EXISTING WINDOW COVERINGS TO BE REMOVED. SEE NEW FLOOR PLAN AND SPECIFICATION FOR NEW WINDOW COVERINGS.
 - 3 EXISTING WOOD FLOOR BASE IN THIS AREA TO BE REMOVE. G.C. SHALL PATCH AND REPAIR EXISTING GYPSUM BOARD WALL WHERE WOOD BASE HAS BEEN REMOVED TO RECEIVE NEW FLOOR BASE AS SCHEDULED.
 - 4 EXISTING HOT WATER HEATER TO BE RELOCATED, SEE PLUMBING DRAWINGS.
 - 5 EXISTING WHITE BOARD TO BE REMOVED & REINSTALLED AS DIRECTED BY OWNER.
 - 6 LOCATION OF EXISTING MASONRY WALL TO BE REMOVED, SEE STRUCTURAL DRAWINGS. GENERAL CONTRACTOR SHALL PATCH AND REPAIR EXISTING FLOOR SLAB AS NECESSARY FOR NEW FLOOR COVERING INSTALLATION.
 - 7 DOOR FRAME TO REMAIN AT THIS LOCATION.

- ### 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 EXISTING WALL SURFACE TO RECEIVE NEW FINISH AS PER FINISH SCHEDULE.
 4. GENERAL CONTRACTOR SHALL PROVIDE A 6 MIL POLYETHYLENE DUST BARRIER FROM FLOOR TO DECK ABOVE, AND SHALL BE SEALED AIR TIGHT IN ALL PHASED AREA OF CONSTRUCTION
 5. GENERAL CONTRACTOR SHALL REMOVE EXISTING CARPET 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.

- ### LEGEND
- DASHED DOOR LINES INDICATE EXISTING DOOR AND FRAME TO BE REMOVED
 - HATCH PATTERN INDICATES AREA OF EXISTING CARPET AND RUBBER BASE TO BE REMOVED. GENERAL CONTRACTOR SHALL REMOVE EXISTING CARPET ADHESIVE FROM CONCRETE FLOOR SLAB. GENERAL CONTRACTOR SHALL PREP EXISTING CONCRETE FLOOR SLAB TO RECEIVE NEW FLOOR COVERING. EXISTING GYPSUM BOARD WALL SHALL BE PATCHED AND REPAIRED TO RECEIVE NEW RUBBER BASE AS SCHEDULED SEE GENERAL NOTES ABOVE.
 - HATCH PATTERN INDICATES EXISTING GYPSUM BOARD AND METAL STUD WALLS TO BE REMOVED.
 - DASHED LINES INDICATE EXISTING MASONRY WALL TO BE REMOVED, SEE STRUCTURAL DRAWINGS.
 - SM.F.E. EXISTING SURFACE MOUNTED CLASS A.B.C. 20LB FIRE EXTINGUISHER TO BE REMOVED AND REINSTALLED AS PER NEW FLOOR PLANS.
 - EP EXISTING ELECTRICAL PANEL LOCATION, SEE ELECTRICAL DRAWINGS.
 - EFAP EXISTING FIRE ALARM PANEL LOCATION

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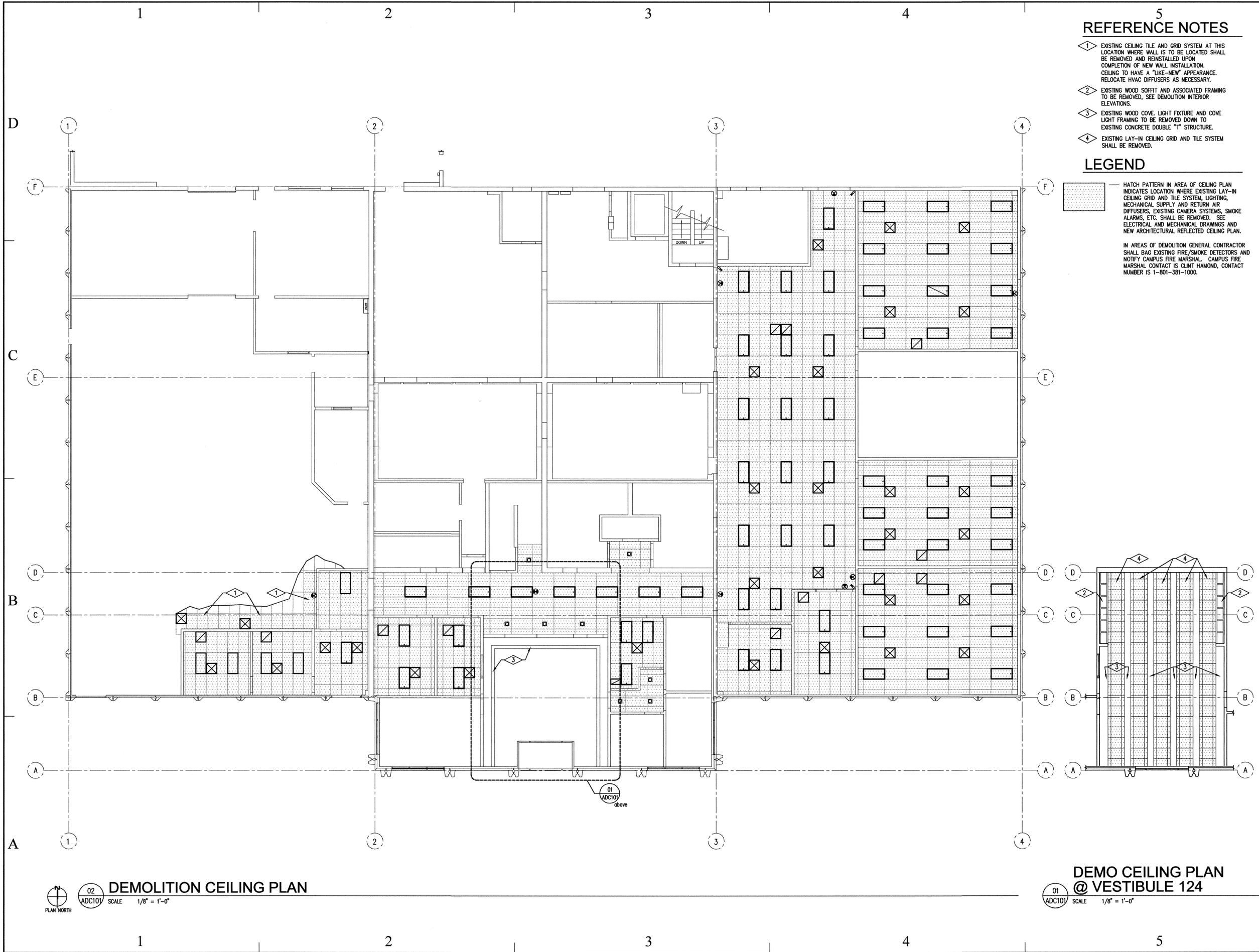
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**DEMOLITION
 FLOOR PLAN**
 SHEET NUMBER
A-DP100

0 4' 8' 16'

 01
 ADP100 SCALE 1/8" = 1'-0"
 PLAN NORTH



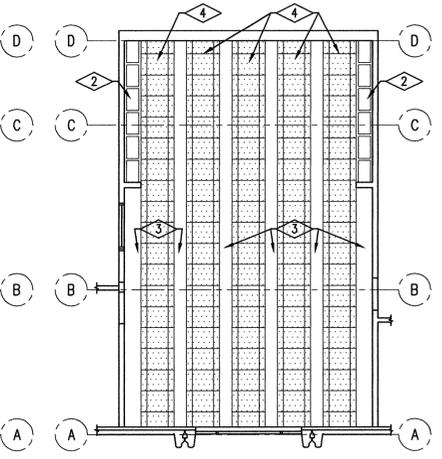
5 REFERENCE NOTES

- 1 EXISTING CEILING TILE AND GRID SYSTEM AT THIS LOCATION WHERE WALL IS TO BE LOCATED SHALL BE REMOVED AND REINSTALLED UPON COMPLETION OF NEW WALL INSTALLATION. CEILING TO HAVE A "LIKE-NEW" APPEARANCE. RELOCATE HVAC DIFFUSERS AS NECESSARY.
- 2 EXISTING WOOD SOFFIT AND ASSOCIATED FRAMING TO BE REMOVED, SEE DEMOLITION INTERIOR ELEVATIONS.
- 3 EXISTING WOOD COVE, LIGHT FIXTURE AND COVE LIGHT FRAMING TO BE REMOVED DOWN TO EXISTING CONCRETE DOUBLE "T" STRUCTURE.
- 4 EXISTING LAY-IN CEILING GRID AND TILE SYSTEM SHALL BE REMOVED.

LEGEND

HATCH PATTERN IN AREA OF CEILING PLAN INDICATES LOCATION WHERE EXISTING LAY-IN CEILING GRID AND TILE SYSTEM, LIGHTING, MECHANICAL SUPPLY AND RETURN AIR DIFFUSERS, EXISTING CAMERA SYSTEMS, SMOKE ALARMS, ETC. SHALL BE REMOVED. SEE ELECTRICAL AND MECHANICAL DRAWINGS AND NEW ARCHITECTURAL REFLECTED CEILING PLAN.

IN AREAS OF DEMOLITION GENERAL CONTRACTOR SHALL BAG EXISTING FIRE/SMOKE DETECTORS AND NOTIFY CAMPUS FIRE MARSHAL. CAMPUS FIRE MARSHAL CONTACT IS CLINT HAMOND, CONTACT NUMBER IS 1-801-381-1000.



DEMOLITION CEILING PLAN @ VESTIBULE 124
 01 ADC101 SCALE 1/8" = 1'-0"

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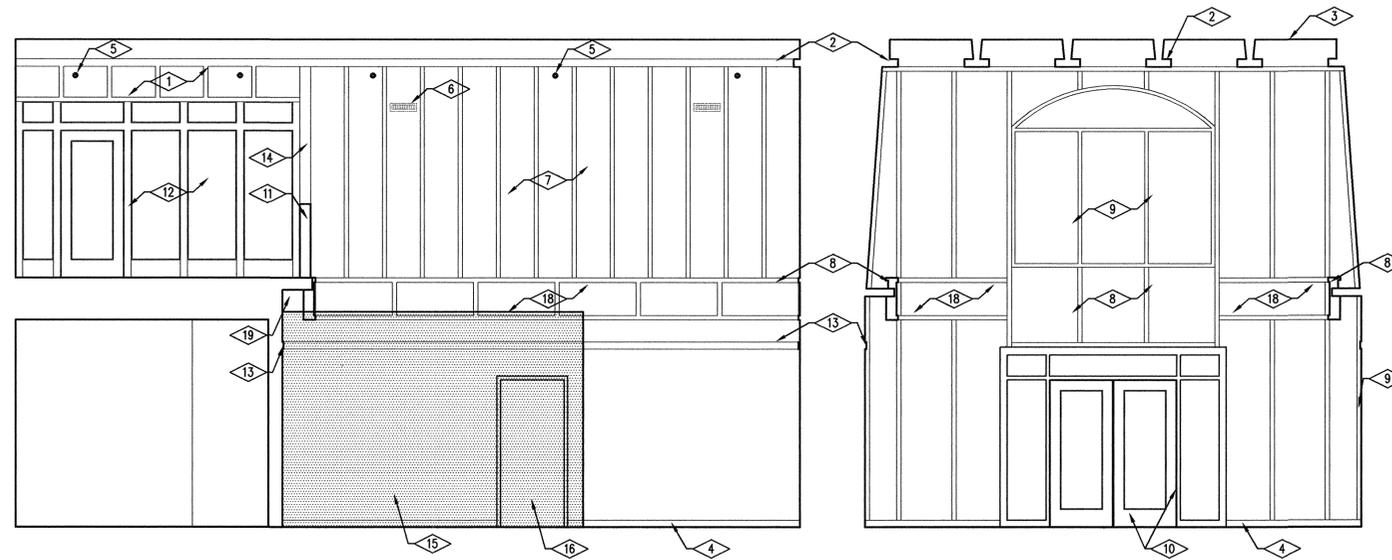
DEMOLITION CEILING PLAN

SHEET NUMBER

A-DC101

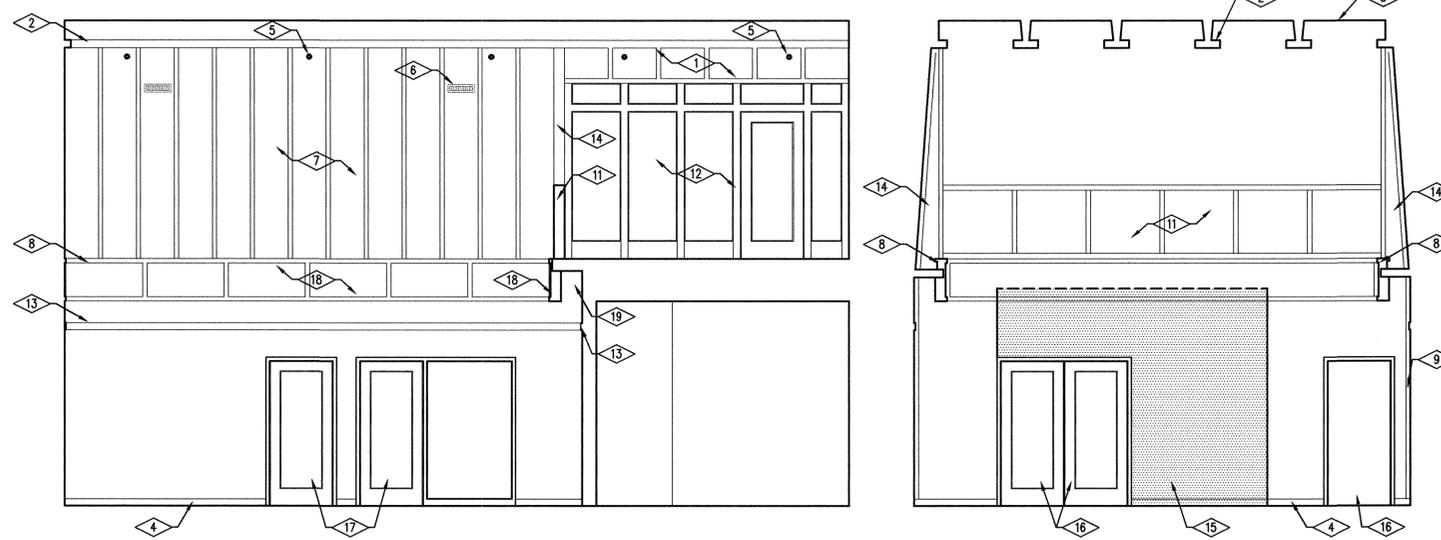


MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		
ISSUE DATE: 12th April, 2010		
DFCM PROJECT NO: 10011790		
CAD PROJECT NO:		
CAD DWG FILE:		
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02 ADT500 SCALE 1/4" = 1'-0"
DEMO INTERIOR ELEVATION EAST

02 ADT500 SCALE 1/4" = 1'-0"
DEMO INTERIOR ELEVATION SOUTH

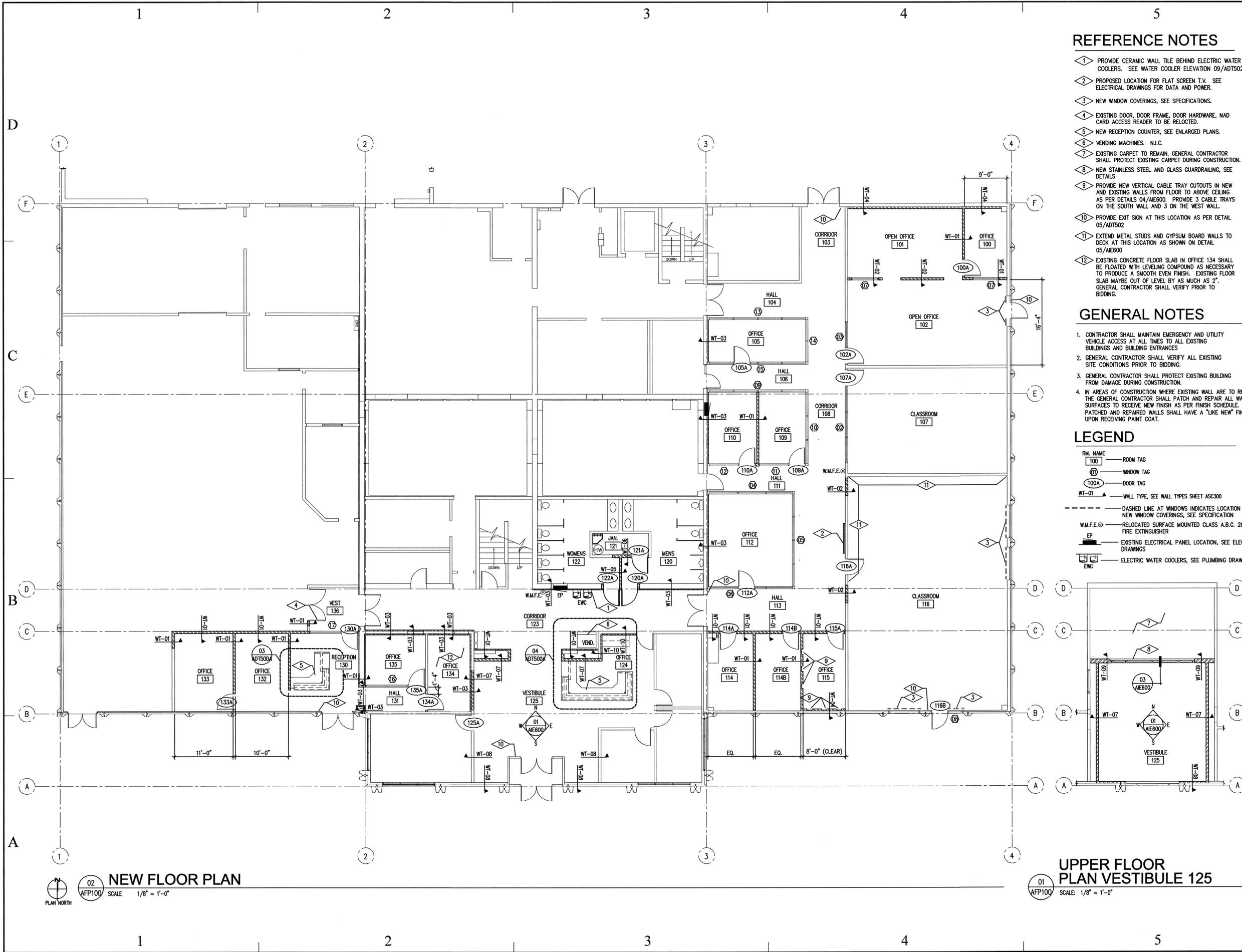


02 ADT500 SCALE 1/4" = 1'-0"
DEMO INTERIOR ELEVATION WEST

02 ADT500 SCALE 1/4" = 1'-0"
DEMO INTERIOR ELEVATION NORTH

REFERENCE NOTES

- 1 EXISTING WOOD SOFFIT AND ASSOCIATED FRAMING TO BE REMOVED, SEE DEMOLITION INTERIOR ELEVATIONS.
- 2 EXISTING WOOD COVE, LIGHT FIXTURE AND COVE LIGHT FRAMING TO BE REMOVED DOWN TO EXISTING CONCRETE DOUBLE "T" STRUCTURE.
- 3 EXISTING LAY-IN CEILING GRID AND TILE SYSTEM SHALL BE REMOVED.
- 4 EXISTING RUBBER BASE TO BE REMOVED.
- 5 EXISTING FIRE SPRINKLERS TO BE RELOCATED AS PER SPECIFICATION.
- 6 EXISTING MECHANICAL SUPPLY VENT TO BE RELOCATED, SEE NEW INTERIOR ELEVATIONS.
- 7 EXISTING WOOD TRIM, PANEL AND ASSOCIATED FRAMING TO BE REMOVED, SEE NEW INTERIOR ELEVATIONS.
- 8 EXISTING WOOD LIGHT COVE, WOOD TRIM, WOOD PANELS AND ASSOCIATED FRAMING TO BE REMOVED DOWN TO EXPOSED CONCRETE "T" BEAM, SEE NEW INTERIOR ELEVATIONS.
- 9 EXISTING ALUMINUM AND GLASS ENTRANCE SYSTEM TO REMAIN UNDISTURBED. G.C. SHALL PROTECT DURING CONSTRUCTION.
- 10 EXISTING ALUMINUM STORE FRONT WINDOW AND GLAZING SYSTEM TO REMAIN UNDISTURBED.
- 11 EXISTING UPPER LEVEL GUARD RAILING SYSTEM TO BE REMOVED, SEE NEW INTERIOR ELEVATIONS.
- 12 EXISTING WOOD WINDOW FRAME AND GLAZING SYSTEM TO REMAIN UNDISTURBED, SEE NEW INTERIOR ELEVATIONS.
- 13 EXISTING WOOD TRIM AND MOLDINGS TO BE REMOVED.
- 14 EXISTING WOOD WALL SYSTEM TO BE REMOVED, SEE NEW INTERIOR ELEVATIONS.
- 15 HATCH PATTERN INDICATED LOCATION OF EXISTING MASONRY WALL TO BE SAW CUT AND REMOVED.
- 16 EXISTING DOOR AND DOOR HARDWARE TO BE REMOVED.
- 17 EXISTING DOORS TO BE REMOVED. EXISTING DOOR HARDWARE TO BE REUSED ON NEW DOORS.
- 18 EXISTING WOOD TRIM AND PANELS TO BE REMOVED
- 19 EXISTING SPRAY ON CEILING AND WALL TEXTURE TO BE REMOVED



REFERENCE NOTES

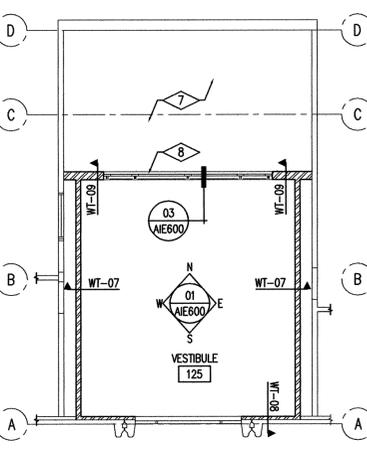
- 1 PROVIDE CERAMIC WALL TILE BEHIND ELECTRIC WATER COOLERS. SEE WATER COOLER ELEVATION 09/ADT502.
- 2 PROPOSED LOCATION FOR FLAT SCREEN T.V. SEE ELECTRICAL DRAWINGS FOR DATA AND POWER.
- 3 NEW WINDOW COVERINGS. SEE SPECIFICATIONS.
- 4 EXISTING DOOR, DOOR FRAME, DOOR HARDWARE, NAD CARD ACCESS READER TO BE RELOCATED.
- 5 NEW RECEPTION COUNTER, SEE ENLARGED PLANS.
- 6 VENDING MACHINES. N.I.C.
- 7 EXISTING CARPET TO REMAIN. GENERAL CONTRACTOR SHALL PROTECT EXISTING CARPET DURING CONSTRUCTION.
- 8 NEW STAINLESS STEEL AND GLASS GUARDRAILING, SEE DETAILS.
- 9 PROVIDE NEW VERTICAL CABLE TRAY CUTOUTS IN NEW AND EXISTING WALLS FROM FLOOR TO ABOVE CEILING AS PER DETAILS 04/AIE600. PROVIDE 3 CABLE TRAYS ON THE SOUTH WALL AND 3 ON THE WEST WALL.
- 10 PROVIDE EXIT SIGN AT THIS LOCATION AS PER DETAIL 05/ADT502.
- 11 EXTEND METAL STUDS AND GYPSUM BOARD WALLS TO DECK AT THIS LOCATION AS SHOWN ON DETAIL 05/AIE600.
- 12 EXISTING CONCRETE FLOOR SLAB IN OFFICE 134 SHALL BE FLOATED WITH LEVELING COMPOUND AS NECESSARY TO PRODUCE A SMOOTH EVEN FINISH. EXISTING FLOOR SLAB MAYBE OUT OF LEVEL BY AS MUCH AS 2". GENERAL CONTRACTOR SHALL VERIFY PRIOR TO BIDDING.

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.

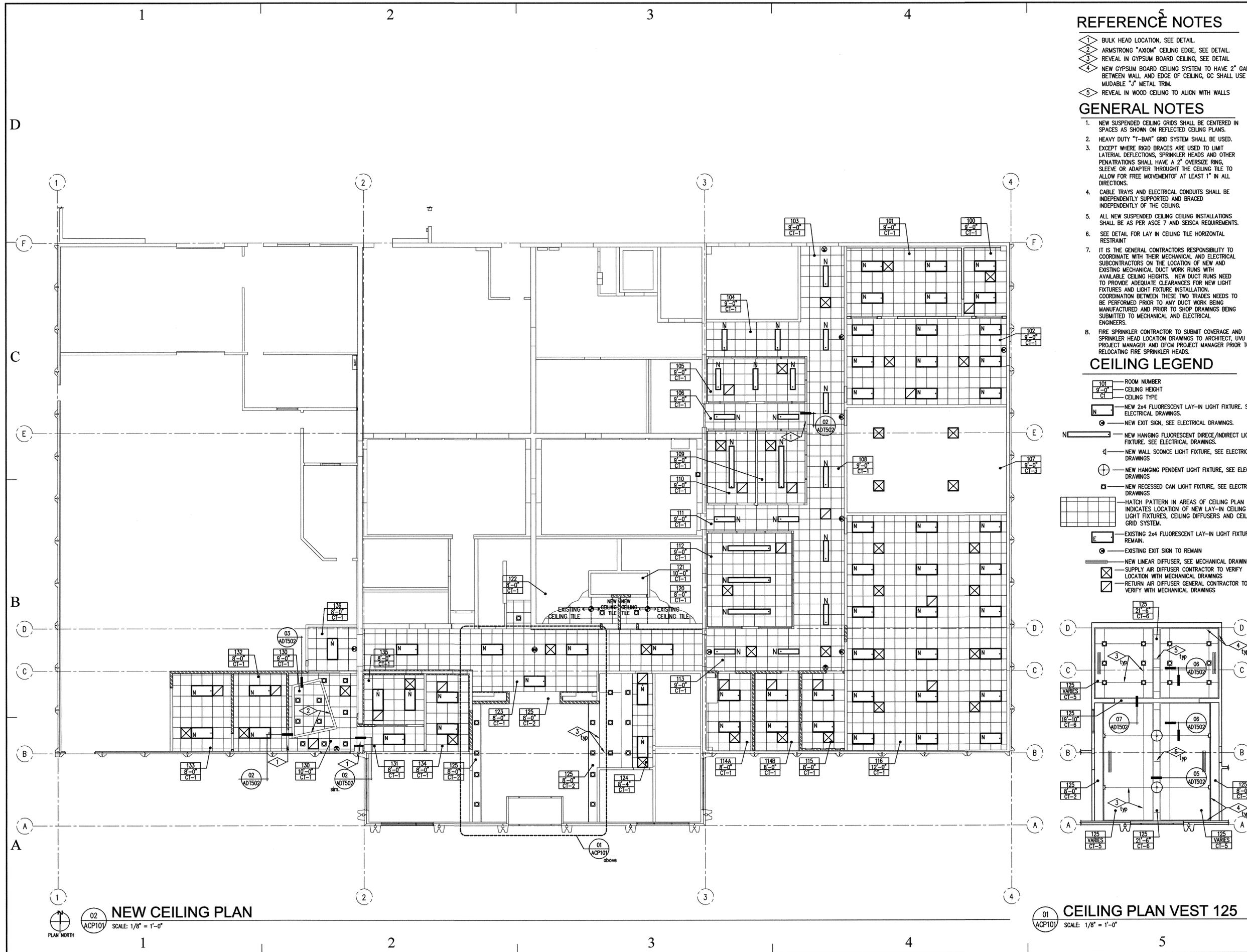
LEGEND

- RM. NAME [] ROOM TAG
- WT-01 WALL TYPE, SEE WALL TYPES SHEET ASC300
- DASHED LINE AT WINDOWS INDICATES LOCATION OF NEW WINDOW COVERINGS, SEE SPECIFICATION
- W.M.F.E. RELOCATED SURFACE MOUNTED CLASS A.B.C. 20LB FIRE EXTINGUISHER
- EP EXISTING ELECTRICAL PANEL LOCATION, SEE ELECTRICAL DRAWINGS
- EWC ELECTRIC WATER COOLERS, SEE PLUMBING DRAWINGS



UPPER FLOOR PLAN VESTIBULE 125
SCALE: 1/8" = 1'-0"





REFERENCE NOTES

- 1 BULK HEAD LOCATION, SEE DETAIL.
- 2 ARMSTRONG "AXIOM" CEILING EDGE, SEE DETAIL.
- 3 REVEAL IN GYPSUM BOARD CEILING, SEE DETAIL.
- 4 NEW GYPSUM BOARD CEILING SYSTEM TO HAVE 2" GAP BETWEEN WALL AND EDGE OF CEILING, GC SHALL USE A MUDABLE "J" METAL TRIM.
- 5 REVEAL IN WOOD CEILING TO ALIGN WITH WALLS

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 LATERAL DEFLECTIONS, SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT OF 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
7. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO COORDINATE WITH THEIR MECHANICAL AND ELECTRICAL SUBCONTRACTORS ON THE LOCATION OF NEW AND EXISTING MECHANICAL DUCT WORK RUNS WITH AVAILABLE CEILING HEIGHTS. NEW DUCT RUNS NEED TO PROVIDE ADEQUATE CLEARANCES FOR NEW LIGHT FIXTURES AND LIGHT FIXTURE INSTALLATION. COORDINATION BETWEEN THESE TWO TRADES NEEDS TO BE PERFORMED PRIOR TO ANY DUCT WORK BEING MANUFACTURED AND PRIOR TO SHOP DRAWINGS BEING SUBMITTED TO MECHANICAL AND ELECTRICAL ENGINEERS.
8. FIRE SPRINKLER CONTRACTOR TO SUBMIT COVERAGE AND SPRINKLER HEAD LOCATION DRAWINGS TO ARCHITECT, UVU PROJECT MANAGER AND DFCM PROJECT MANAGER PRIOR TO RELOCATING FIRE SPRINKLER HEADS.

CEILING LEGEND

- 101 ROOM NUMBER
- 9'-0" CEILING HEIGHT
- CT-1 CEILING TYPE
- N NEW 2x4 FLUORESCENT LAY-IN LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- NEW EXIT SIGN, SEE ELECTRICAL DRAWINGS.
- NEW HANGING FLUORESCENT DIRECT/INDIRECT LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- NEW WALL SCONCE LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- NEW HANGING PENDENT LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- NEW RECESSED CAN LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- HATCH PATTERN IN AREAS OF CEILING PLAN INDICATES LOCATION OF NEW LAY-IN CEILING TILES, LIGHT FIXTURES, CEILING DIFFUSERS AND CEILING GRID SYSTEM.
- EXISTING 2x4 FLUORESCENT LAY-IN LIGHT FIXTURE TO REMAIN.
- EXISTING EXIT SIGN TO REMAIN
- NEW LINEAR DIFFUSER, SEE MECHANICAL DRAWINGS
- SUPPLY AIR DIFFUSER CONTRACTOR TO VERIFY LOCATION WITH MECHANICAL DRAWINGS
- RETURN AIR DIFFUSER GENERAL CONTRACTOR TO VERIFY WITH MECHANICAL DRAWINGS

State of Utah
 Department of Administrative Services

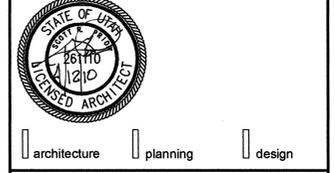
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CONSULTANT:

PROJECT TITLE:
UTAH VALLEY UNIVERSITY OREM, UTAH
 EXTENDED EDUCATION BUILDING
 INTERIOR REMODEL

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NEW CEILING PLAN

SHEET NUMBER
A-CP101

02 NEW CEILING PLAN
 ACP101 SCALE: 1/8" = 1'-0"

01 CEILING PLAN VEST 125
 ACP101 SCALE: 1/8" = 1'-0"



REFERENCE NOTES

1 NEW AND EXISTING GYPSUM BOARD WALLS TO BE PRIMED AND PAINTED. GENERAL CONTRACTOR SHALL PROVIDE NEW RUBBER BASE AT THESE LOCATIONS.

GENERAL NOTES

- CERAMIC FLOOR TILE AND GROUT TO MATCH EXISTING 2"x2" FLOOR TILE. FLOOR TILE APPLICATION AS PER TAC-F113-03
- CERAMIC WALL TILE AND GROUT TO MATCH EXISTING 4"x4" CERAMIC WALL TILE. WALL TILE APPLICATION AS PER TAC-W244-03

State of Utah

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FINISH FLOOR PLAN

SHEET NUMBER
A-FF102

DOOR AND FRAME SCHEDULE															
DOOR	SINGLE/PAIR	DOOR				FRAME				FIRE RATING	DOOR & FRAME	NOTES			
		SIZE	DEPTH	TYPE	MATL	FINISH	DEPTH	TYPE	MATL				FINISH		
100A	S	3'-0" X 7'-0"	1 3/4"	A	WD	STAIN	6"	01	HM	PAINT	03/ADT501	03/ADT501	03		
102A	S	3'-0" X 7'-0"	1 3/4"	B	WD	STAIN	4 1/2"	01	HM	PAINT	03/ADT501	03/ADT501	04		
105A	S	3'-0" X 7'-0"	1 3/4"	C	WD	STAIN	4 1/2"	15	AL	ANOD	10/ADT501	8&10/ADT501	03		
107A	S	3'-0" X 7'-0"	1 3/4"	C	WD	STAIN	4 1/2"	02	AL	ANOD	10/ADT501	8&10/ADT501	03		
109A	S	3'-0" X 7'-0"	1 3/4"	B	WD	STAIN	4 1/2"	11	AL	ANOD	10/ADT501	8&10/ADT501	03		
110A	S	3'-0" X 7'-0"	1 3/4"	B	WD	STAIN	4 1/2"	12	AL	ANOD	10/ADT501	8&10/ADT501	03		
112A	S	3'-0" X 7'-0"	1 3/4"	C	WD	STAIN	4 1/2"	06	AL	ANOD	10/ADT501	8&10/ADT501	03		
114A	S	3'-0" X 7'-0"	1 3/4"	A	WD	STAIN	6"	01	HM	PAINT	03/ADT501	03/ADT501	03		
114B	S	3'-0" X 7'-0"	1 3/4"	A	WD	STAIN	6"	01	HM	PAINT	03/ADT501	03/ADT501	03		
115A	S	3'-0" X 7'-0"	1 3/4"	A	WD	STAIN	6"	01	HM	PAINT	03/ADT501	03/ADT501	03		
116A	S	3'-0" X 7'-0"	1 3/4"	A	WD	STAIN	6"	01	HM	PAINT	03/ADT501	03/ADT501	02		
116B	S	3'-0" X 7'-0"	1 3/4"	D	AL	ANOD	4 1/2"	08	AL	ANOD	11/ADT501	11/ADT501	05/ADT501	06	
120A	S	3'-0" X 7'-0"	1 3/4"	A	WD	STAIN	6"	01	HM	PAINT	03/ADT501	03/ADT501	04/ADT501	05	
121A	S	3'-0" X 7'-0"	1 3/4"	A	WD	STAIN	6"	01	HM	PAINT	03/ADT501	03/ADT501	04/ADT501	01	
122A	S	3'-0" X 7'-0"	1 3/4"	A	WD	STAIN	6"	01	HM	PAINT	03/ADT501	03/ADT501	04/ADT501	05	
125A	S	3'-0" X 7'-0"	1 3/4"	B	WD	STAIN			HM	PAINT			03	EXISTING DOOR HARDWARE TO BE REUSED ON NEW DOOR.	
130A	S	3'-0" X 7'-0"	1 3/4"	B	WD	STAIN	4 1/2"	17	AL	ANOD	10/ADT501	8&10/ADT501	03		
133A	S	3'-0" X 7'-0"	1 3/4"	A	WD	STAIN	6"	01	HM	PAINT	03/ADT501	03/ADT501	03		
134A	S	3'-0" X 7'-0"	1 3/4"	A	WD	STAIN	6"	01	HM	PAINT	03/ADT501	03/ADT501	03		
135A	S	3'-0" X 7'-0"	1 3/4"	B	WD	STAIN	4 1/2"	16	AL	ANOD	10/ADT501	8&10/ADT501	03		

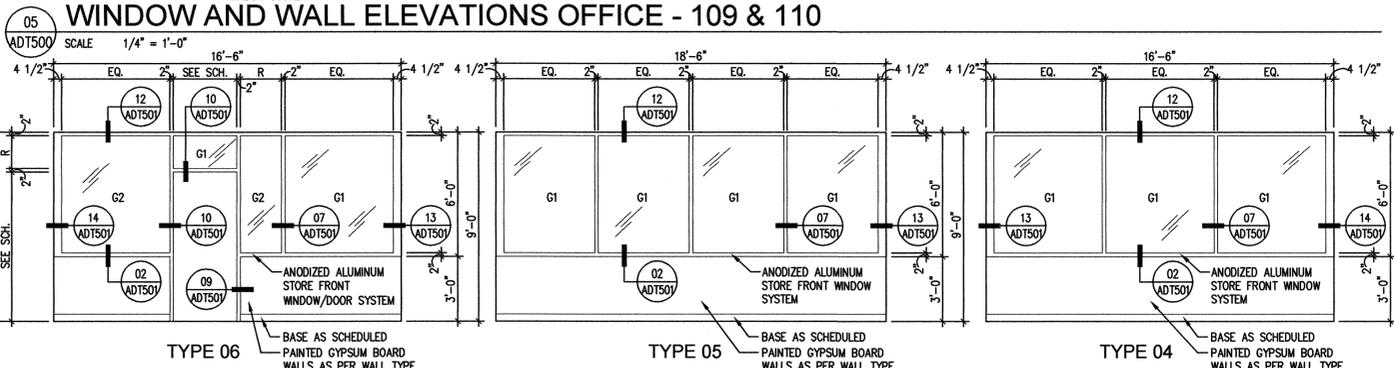
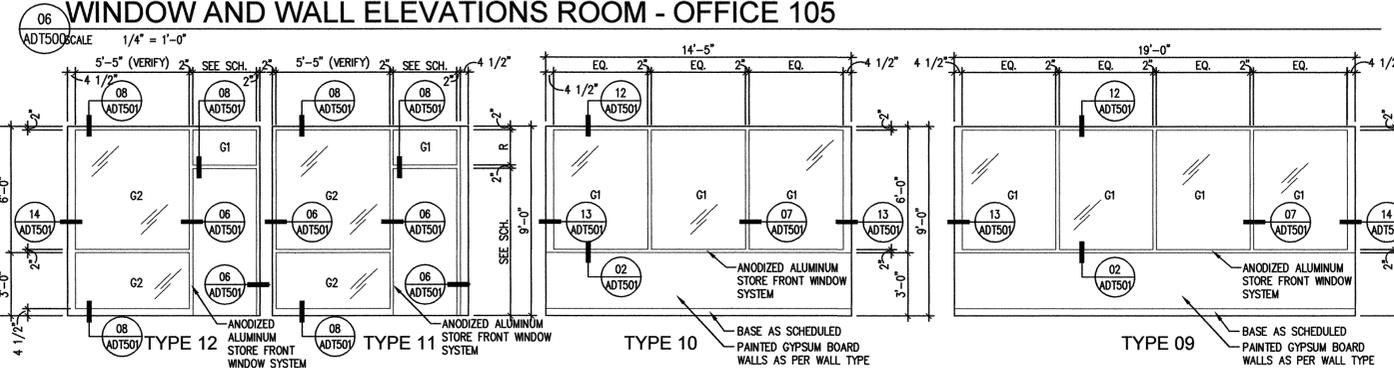
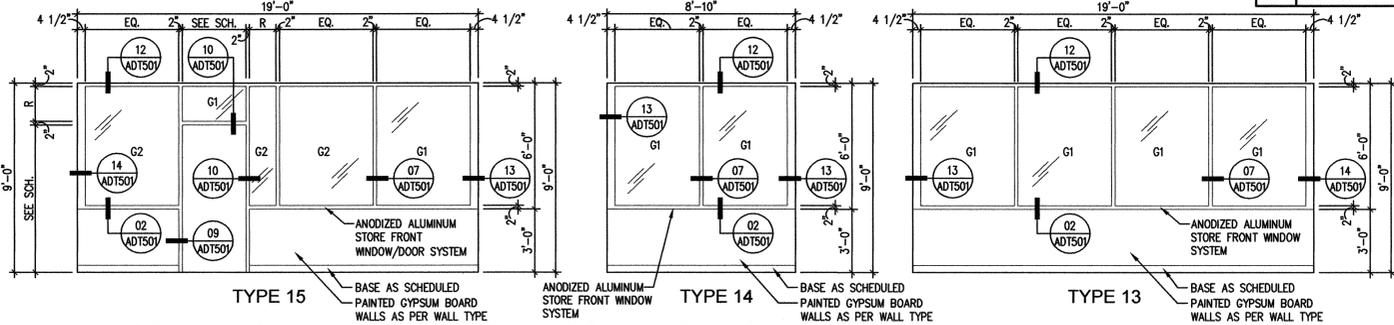
ROOM FINISH SCHEDULE										
ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING		NOTES
				NORTH	EAST	SOUTH	WEST	TYPE	HEIGHT	
100	OFFICE	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
101	OPEN OFFICE	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
102	OPEN OFFICE	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
103	CORRIDOR	F1	B1	W1	W1	-	W1	CT-1	9'-0"	
104	HALL	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
105	OFFICE	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
106	HALL	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
107	CLASSROOM	-	B1	-	-	-	W1	-	-	SEE FINISH FLOOR PLAN FOR FINISH NOTES
108	CORRIDOR	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
109	OFFICE	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
110	OFFICE	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
111	HALL	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
112	OFFICE	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
113	RECEPTION	F1	B1	W1	W1	W1	W1	CT-1	9'-0" / 8'-0"	SEE REFLECTED CEILING PLAN
114	OFFICE	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
115	OFFICE	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
116	CLASSROOM	F1	B1	W1	W1	W1	W1	CT-1	9'-0"	
120	MENS	F2	B3	W2	-	W2	W2	CT-2	8'-0"	MATCH EXISTING
121	JANITOR	F3	B2	W1	W1	W1	W1	CT-4	-	
122	WOMENS	F2	B3	W2	W2	W2	W2	CT-2	8'-0"	MATCH EXISTING
123	CORRIDOR	F1	B1	-	-	-	-	CT-1	8'-0"	SEE FINISH FLOOR PLAN FOR FINISH NOTES
124	OFFICE	F1	B1	W3	W1	W1	W3	CT-1	8'-0"	
125	VESTIBULE	F1	B1	W3	W3	W3	W3	CT-5 / CT-6	VARIES	SEE INTERIOR ELEVATIONS AND REFLECTED CEILING PLAN
130	RECEPTION	F1	B1	W1	W1	W1	W1	CT-1	10'-0"	
131	HALL	F1	B1	W1	W1	W1	W1	CT-1	8'-0"	
132	OFFICE	F1	B1	W1	W1	W1	W1	CT-1	8'-0"	
133	OFFICE	F1	B1	W1	W1	W1	W1	CT-1	8'-0"	
134	OFFICE	F1	B1	W1	W1	W1	W1	CT-1	8'-0"	
135	OFFICE	F1	B1	W1	W1	W1	W1	CT-1	8'-0"	
136	VESTIBULE	F1	B1	-	-	-	-	CT-1	9'-0"	SEE FINISH FLOOR PLAN FOR FINISH NOTES

GENERAL NOTES

- H.M. = HOLLOW METAL
- S.S. = STAINLESS STEEL
- A.L. = ANODIZED ALUMINUM
- ALL H.M. DOOR FRAMES SHALL BE SPRAY PAINTED. PAINTING WITH A ROLLER OR BRUSH WILL NOT BE ACCEPTABLE.

FINISH NOTES:

- SEE FINISH FLOOR PLAN FOR ADDITIONAL FINISH NOTES.



BASE TYPES

B1	4" STRIGHT EDGE RUBBER BASE, SEE SPECIFICATION
B2	4" COVED RUBBER BASE, SEE SPECIFICATION
B3	COVED CERAMIC TILE BASE TO MATCH EXISTING, (SEE FINISH FLOOR PLAN)

FLOOR FINISHES

F1	CARPET, SEE SPECIFICATION
F2	2"x2" CERAMIC FLOOR TILE, NEW TILE TO MATCH EXISTING, (SEE FINISH FLOOR PLAN)
F3	EXISTING EXPOSED CONCRETE TO REMAIN

WALL FINISHES

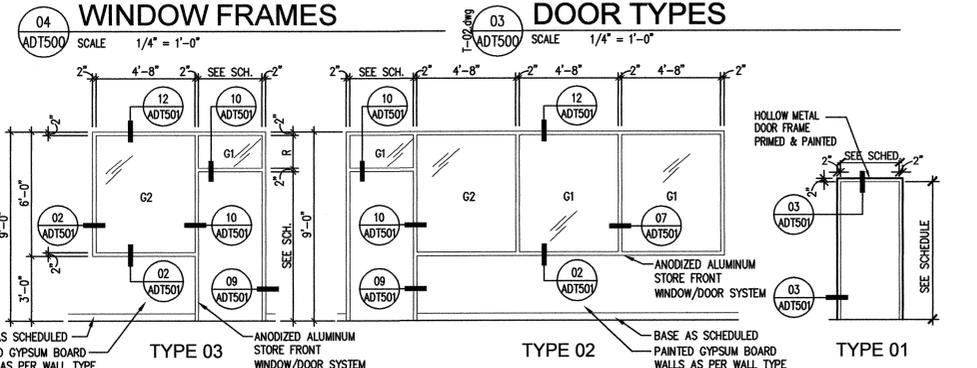
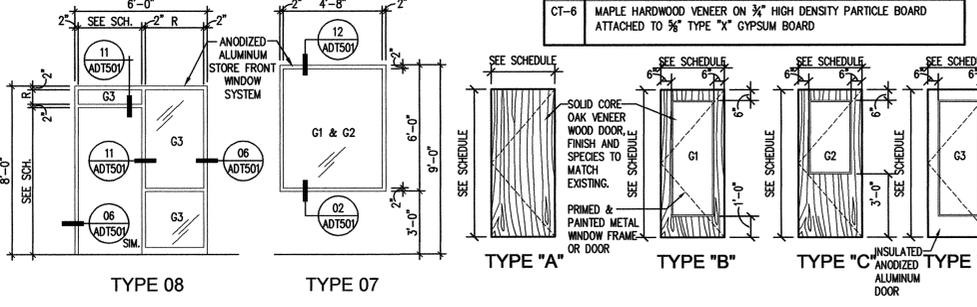
W1	PRIMED & PAINTED GYPSUM BOARD, SEE SPECIFICATION
W2	NEW CERAMIC WALL TILE TO MATCH EXISTING AT NEW WALL LOCATIONS, (SEE FINISH FLOOR PLAN)
W3	MAPLE HARDWOOD VENEER ON 3/4" HIGH DENSITY PARTICLE BOARD WOOD PANELS HUNG ON WALL WITH WOOD CLEAT SYSTEM

GLAZING TYPES

G1	1/2" CLEAR GLAZING
G2	1/2" TEMPERED, CLEAR GLAZING
G3	1" INSULATED, TEMPERED GLAZING, BRONZE TINT TO MATCH EXISTING

CEILING TYPES

CT-1	NEW 2"x2" LAY-IN CEILING TILE IN NEW SUSPENDED GRID SYSTEM, SEE SPECIFICATION.
CT-2	PRIMED AND PAINTED NEW 5/8" TYPE "X" GYPSUM BOARD ATTACHED TO 3-3/8" METAL STUD FRAMING @ 16"
CT-3	EXISTING LAY-IN CEILING TILE, SUSPENDED GRID SYSTEM, LIGHTS AND MECHANICAL DIFFUSERS TO REMAIN UNDISTURBED.
CT-4	EXPOSED CEILING TO REMAIN.
CT-5	PRIMED AND PAINTED 5/8" TYPE "X" GYPSUM BOARD ON 3/4" METAL HAT CHANNELS AT 16" O.C. ON 1-1/2" COLD ROLLED STEEL
CT-6	MAPLE HARDWOOD VENEER ON 3/4" HIGH DENSITY PARTICLE BOARD ATTACHED TO 5/8" TYPE "X" GYPSUM BOARD



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architecture planning design

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PROJECT TITLE:
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OREM, UTAH**

EXTENDED EDUCATION
BUILDING

INTERIOR REMODEL

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DFCM PROJECT NO: 10011790
CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: BRIAN AND SCOTT
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SHEET TITLE
**DOOR, WINDOW
AND ROOM FINISH
SCHEDULES**

SHEET NUMBER

A-DT500



MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		

ISSUE DATE: 12th April, 2010

DFCM PROJECT NO: 10011790

CAD PROJECT NO:

CAD DWG FILE:

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CHK'D BY: SCOTT

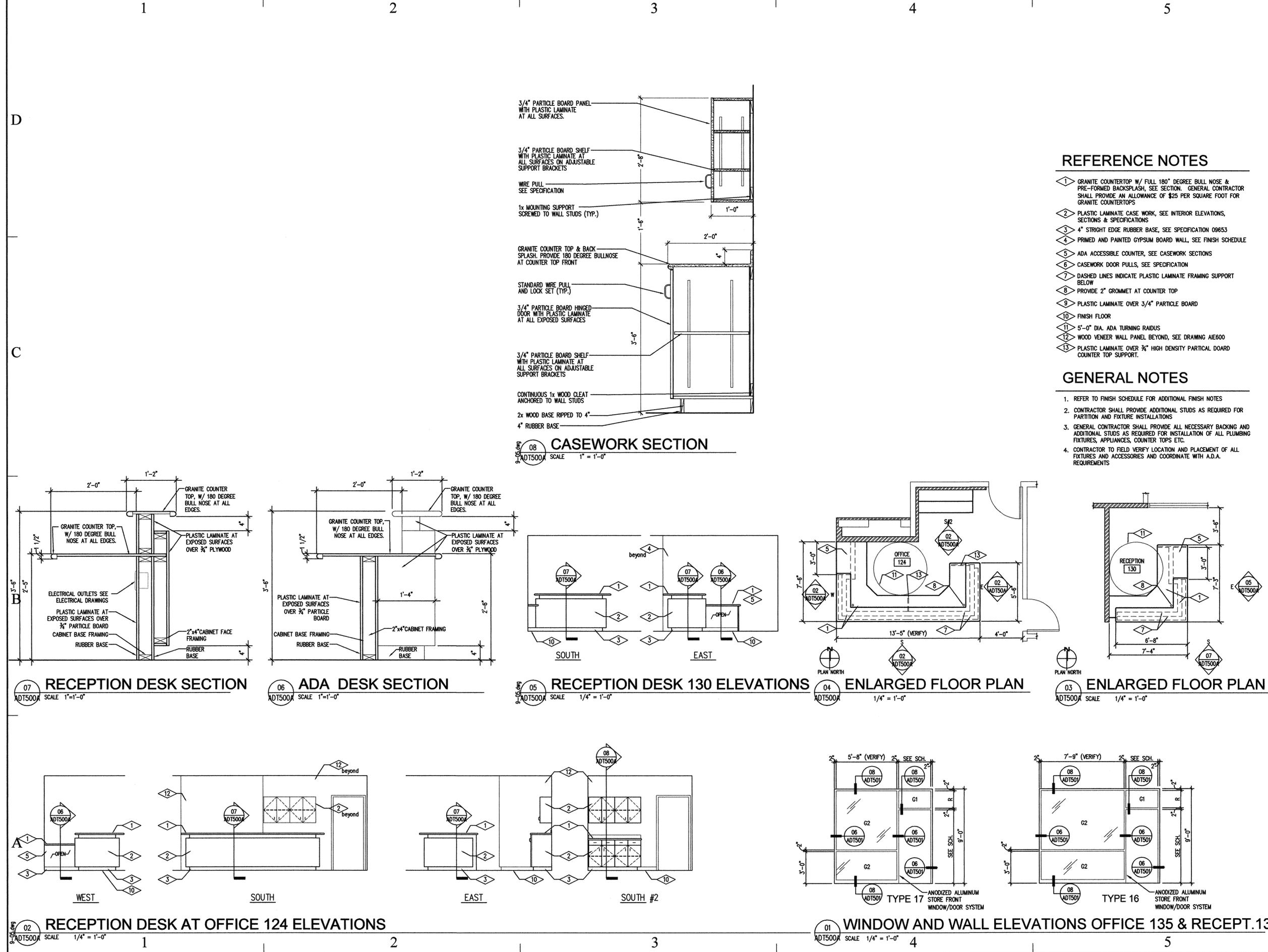
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SHEET TITLE

WINDOW TYPES
ENLARGED PLANS
CASEWORK

SHEET NUMBER

A-DT500A



REFERENCE NOTES

- 1 GRANITE COUNTERTOP W/ FULL 180° DEGREE BULL NOSE & PRE-FORMED BACKSPLASH, SEE SECTION. GENERAL CONTRACTOR SHALL PROVIDE AN ALLOWANCE OF \$25 PER SQUARE FOOT FOR GRANITE COUNTERTOPS
- 2 PLASTIC LAMINATE CASE WORK, SEE INTERIOR ELEVATIONS, SECTIONS & SPECIFICATIONS
- 3 4" STRIGHT EDGE RUBBER BASE, SEE SPECIFICATION 09653
- 4 PRIMED AND PAINTED GYPSUM BOARD WALL, SEE FINISH SCHEDULE
- 5 ADA ACCESSIBLE COUNTER, SEE CASEWORK SECTIONS
- 6 CASEWORK DOOR PULLS, SEE SPECIFICATION
- 7 DASHED LINES INDICATE PLASTIC LAMINATE FRAMING SUPPORT BELOW
- 8 PROVIDE 2" GROMMET AT COUNTER TOP
- 9 PLASTIC LAMINATE OVER 3/4" PARTICLE BOARD
- 10 FINISH FLOOR
- 11 5"-0" DIA. ADA TURNING RADIUS
- 12 WOOD VENEER WALL PANEL BEYOND, SEE DRAWING AIE600
- 13 PLASTIC LAMINATE OVER 3/4" HIGH DENSITY PARTICAL DOARD COUNTER TOP SUPPORT.

GENERAL NOTES

1. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES
2. CONTRACTOR SHALL PROVIDE ADDITIONAL STUDS AS REQUIRED FOR PARTITION AND FIXTURE INSTALLATIONS
3. GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY BACKING AND ADDITIONAL STUDS AS REQUIRED FOR INSTALLATION OF ALL PLUMBING FIXTURES, APPLIANCES, COUNTER TOPS ETC.
4. CONTRACTOR TO FIELD VERIFY LOCATION AND PLACEMENT OF ALL FIXTURES AND ACCESSORIES AND COORDINATE WITH A.D.A. REQUIREMENTS

07 RECEPTION DESK SECTION
SCALE 1"=1'-0"

06 ADA DESK SECTION
SCALE 1"=1'-0"

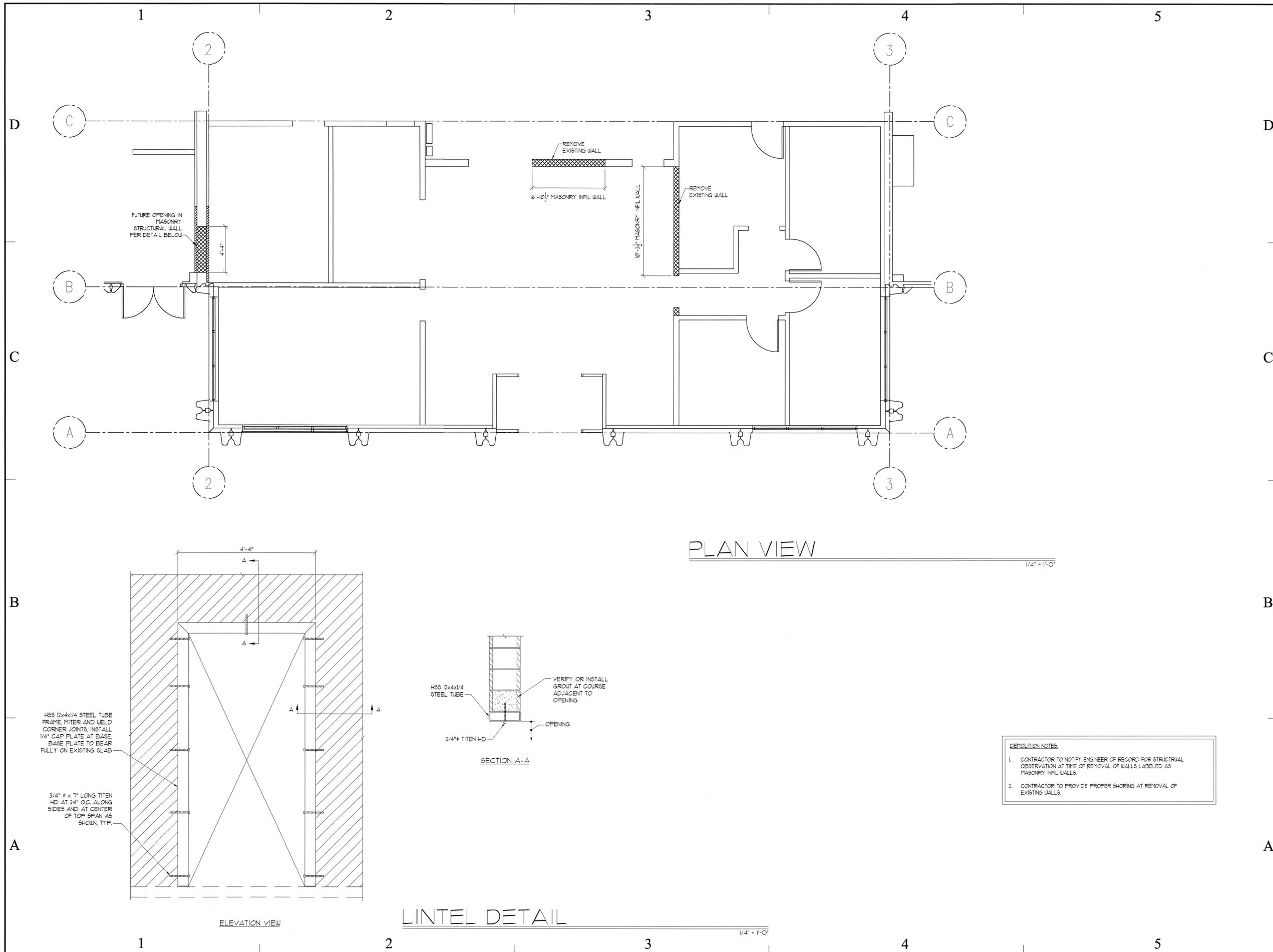
05 RECEPTION DESK 130 ELEVATIONS
SCALE 1/4"=1'-0"

04 ENLARGED FLOOR PLAN
SCALE 1/4"=1'-0"

03 ENLARGED FLOOR PLAN
SCALE 1/4"=1'-0"

02 RECEPTION DESK AT OFFICE 124 ELEVATIONS
SCALE 1/4"=1'-0"

01 WINDOW AND WALL ELEVATIONS OFFICE 135 & RECEPT. 130
SCALE 1/4"=1'-0"



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APR 12 2010

PROJECT TITLE:
 UTAH VALLEY UNIVERSITY
 OREM, UTAH
 EXTENDED EDUCATION
 BUILDING
 INTERIOR REMODEL

MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		

ISSUE DATE: 12 April, 2010
 DFCM PROJECT NO: 10011790
 CAD PROJECT NO:
 CAD DWG FILE:
 DRAWN BY: BRIAN AND SCOTT
 CHK'D BY: SCOTT
 COPYRIGHT: STATE OF UTAH

SHEET TITLE
DEMOLITION PLAN
 SHEET NUMBER
S1

DEMOLITION NOTES:
 1. CONTRACTOR TO NOTIFY ENGINEER OF RECORD FOR STRUCTURAL OBSERVATION AT TIME OF REMOVAL OF WALLS LABELED AS MASONRY INFIL WALLS.
 2. CONTRACTOR TO PROVIDE PROPER SHORING AT REMOVAL OF EXISTING WALLS.

SPECIAL INSPECTION AND TESTING (IBC 1704)

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

FABRICATORS (IBC1704.2)

Form for fabricator information including name, type (Approved/Unapproved), and in-plant inspection details.

STEEL (IBC1704.3)

Table for steel inspection items including High Strength Bolting, Welding, and Reinforcement Steel.

CONCRETE CONSTRUCTION (IBC1704.4)

Table for concrete construction inspection items including Materials, Steel placement, and Curing techniques.

MASONRY CONSTRUCTION (IBC1704.5)

Form for masonry construction inspection starting with 'As masonry construction begins:'

Large table for various construction inspection items including mortar, reinforcement, grout, and masonry.

WOOD CONSTRUCTION (IBC1704.6)

Form for wood construction inspection including prefabricated elements and assembly.

SOILS CONSTRUCTION (IBC1704.7)

Form for soils construction inspection including site preparation.

Table for structural fill material and soil densities inspection items.

PILE FOUNDATIONS (IBC1704.8)

Form for pile foundations inspection including driving operation and placement verification.

PIER FOUNDATIONS (IBC1704.9)

Form for pier foundations inspection including drilling operation and placement verification.

SPRAYED FIRE-RESISTANT MATERIALS (IBC1704.10)

Form for sprayed fire-resistant materials inspection including surface conditions and bonding strength.

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

Form for mastic and intumescent fire-resistant coatings inspection.

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

Form for exterior insulation and finish systems inspection.

ALTERNATIVE CONSTRUCTION METHODS OR MATERIALS (IBC1704.13)

Form for alternative construction methods or materials inspection.

EPOXY (IBC1704.13)

Form for epoxy inspection including material and installation.

SMOKE CONTROL (IBC1704.14)

Form for smoke control inspection including material.

Form for installation inspection including continuous and periodic options.

Special inspection for seismic resistance (IBC1707)

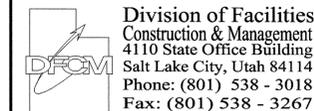
Table for special inspection for seismic resistance items including Structural Steel, Cold-formed steel framing, and Seismic isolation systems.

OTHER

Form for other inspection items with continuous and periodic options.

Special Inspectors Shall:

- List of requirements for special inspectors including approval, licensure, and reporting procedures.



CREATED BY: P+A architects

P+A architects contact information including address, phone, and email.

Architecture, planning, design services.

CONSULTANT:



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U1044-017-102



APR 12 2010

PROJECT TITLE: UTAH VALLEY UNIVERSITY OREM, UTAH

EXTENDED EDUCATION BUILDING

INTERIOR REMODEL

MARK DATE DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 12 April, 2010

DFCM PROJECT NO: 10011790

CAD PROJECT NO:

CAD DWG FILE:

DRAWN BY: BRIAN AND SCOTT

CHK'D BY: SCOTT

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SHEET TITLE

SPECIAL INSPECTION

SHEET NUMBER

S2

1 2 LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS 4 5

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
	CEILING SUPPLY DIFFUSER
	CEILING RETURN REGISTER
	CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
	SIDEWALL SUPPLY REGISTER
	SIDEWALL EXHAUST OR RETURN REGISTER
	CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
	CEILING AIR GRILLE WITH FLEXIBLE DUCT
	CEILING RETURN AIR GRILLE W/ SOUND BOOT
	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
	FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	INCLINED RISE
	INCLINED DROP
	R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
	RECTANGULAR TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
	RECTANGULAR TO ROUND DUCT TRANSFORMATION BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
	HIGH EFFICIENCY FITTING
	MANUAL VOLUME DAMPER
	FIRE DAMPER IN DUCT, W/ ACCESS PANEL REOD.
	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
	SMOKE DAMPER W/ ACCESS PANEL
	BACK DRAFT DAMPER
	ATC DAMPER
	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
	DUCT SMOKE DETECTOR
	UNIT HEATER

PLUMBING

	FLOOR SINK
	FLOOR DRAIN
	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
	PRESSURE SWITCH
	GAS COCK
	CALIBRATED BALANCING VALVE WITH GPM INDICATED
	REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
	BRANCH - BOTTOM CONNECTION
	BRANCH - TOP CONNECTION
	BRANCH - SIDE CONNECTION
	RISE OR DROP
	RISE - DOWN (ELBOW)
	RISE - DOWN (ELBOW)
	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
	SWITCH
	SENSOR
	THERMOSTAT
	NIGHT THERMOSTAT
	FILL PORT
	DRAIN PAN AND P-TRAP
	FIXTURE FROM LEVEL ABOVE
	FLOW METER ORIFICE
	FLANGE
	90° ELBOW
	STEAM TRAP, F&T=FLOAT & THERMOSTATIC 45° ELBOW
	B=BUCKET, T=THERMOSTATIC
	LEADER INDICATES DOWNWARD SLOPE
	DEMOLITION
	ALIGNMENT GUIDE
	ANCHOR
	LUBRICATED PLUG COCK

SYMBOLS

	PLUMBING FIXTURES
	POINT OF CONNECTION
	SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
	DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
	EQUIPMENT IDENTIFICATION
	KEYED NOTE IDENTIFICATION

FIRE

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

LINETYPES

	ACID VENT
	ACID WASTE
	BOILER BLOW DOWN
	BOILER FEED WATER
	BRINE
	CARBON DIOXIDE
	COMPRESSED AIR
	CHEMICAL FEED
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RETURN (DHW)
	DEIONIZED WATER SUPPLY
	DEIONIZED WATER RETURN
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED
	GLYCOL HEAT RECOVERY PIPING
	GLYCOL PIPING SOLUTION
	FUEL OIL RETURN
	FUEL OIL SUPPLY
	FUEL OIL VENT
	NATURAL GAS
	HOT GAS
	HELICOPTER FUEL RETURN
	HELICOPTER FUEL SUPPLY
	HIGH PRESSURE DOMESTIC WATER
	HIGH PRESSURE CONDENSATE
	HIGH PRESSURE STEAM
	HEATING HOT WATER RETURN
	HEATING HOT WATER SUPPLY
	INSTRUMENT AIR
	INSTRUMENT AIR AT PRESSURE INDICATED
	LAB AIR
	LAB VACUUM
	LOW PRESSURE CONDENSATE
	LIQUIFIED PETROLEUM GAS
	LOW PRESSURE STEAM
	MEDICAL AIR
	MEDICAL AIR AT PRESSURE INDICATED
	MEDIUM PRESSURE CONDENSATE
	MEDIUM PRESSURE STEAM
	MAKE UP WATER
	MEDICAL VACUUM
	NITROGEN
	NITROUS OXIDE
	MEDICAL OXYGEN
	MEDICAL OXYGEN AT PRESSURE INDICATED
	PUMPED CONDENSATE

LINETYPES CONT.

	REVERSE OSMOSIS WATER SUPPLY
	REVERSE OSMOSIS WATER RETURN
	ROOF DRAIN
	ROOF DRAIN OVERFLOW
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	SEWER (BELOW GRADE)
	SEWER (ABOVE GRADE)
	SOFT DOMESTIC WATER (SW)
	VACUUM
	VENT (SEWER)

MECH. GENERAL NOTES

- ALL CEILING DIFFUSERS SHOWN AS SUCH ARE CO-1, CFM AS NOTED, UNLESS OTHERWISE NOTED. REFER TO DETAIL 1/M-501.
- ALL CEILING RETURN GRILLES SHOWN AS SUCH ARE RG-1 UNLESS OTHERWISE NOTED. PROVIDE SOUND BOOT PER DETAIL 2/M-501.
- 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.
- COORDINATE EXACT LOCATIONS OF CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- ALL DUCT DIMENSIONS ARE INSIDE FREE AREA DIMENSIONS. ADJUST SHEET METAL DIMENSION FOR LINED DUCT.
- IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
- PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL EQUIPMENT, VALVES, HANG BOXES, FIRE DAMPERS, ETC. ARE LOCATED ABOVE INACCESSIBLE CEILINGS.
- 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.
- 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.
- CONTRACTOR IS TO RELOCATE AND/OR ADD SPRINKLER HEADS IN THE REMODEL AREA AS NECESSARY TO CONFORM WITH NFPA 13. CONTRACTOR IS TO FIELD VERIFY EXACT LOCATIONS OF SPRINKLER HEADS AND PIPING.

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architecture planning design

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VBFA Project Number: 10096



PROJECT TITLE:

UTAH VALLEY UNIVERSITY OREM, UTAH

EXTENDED EDUCATION BUILDING

INTERIOR REMODEL

MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		
ISSUE DATE: 12th April, 2010		

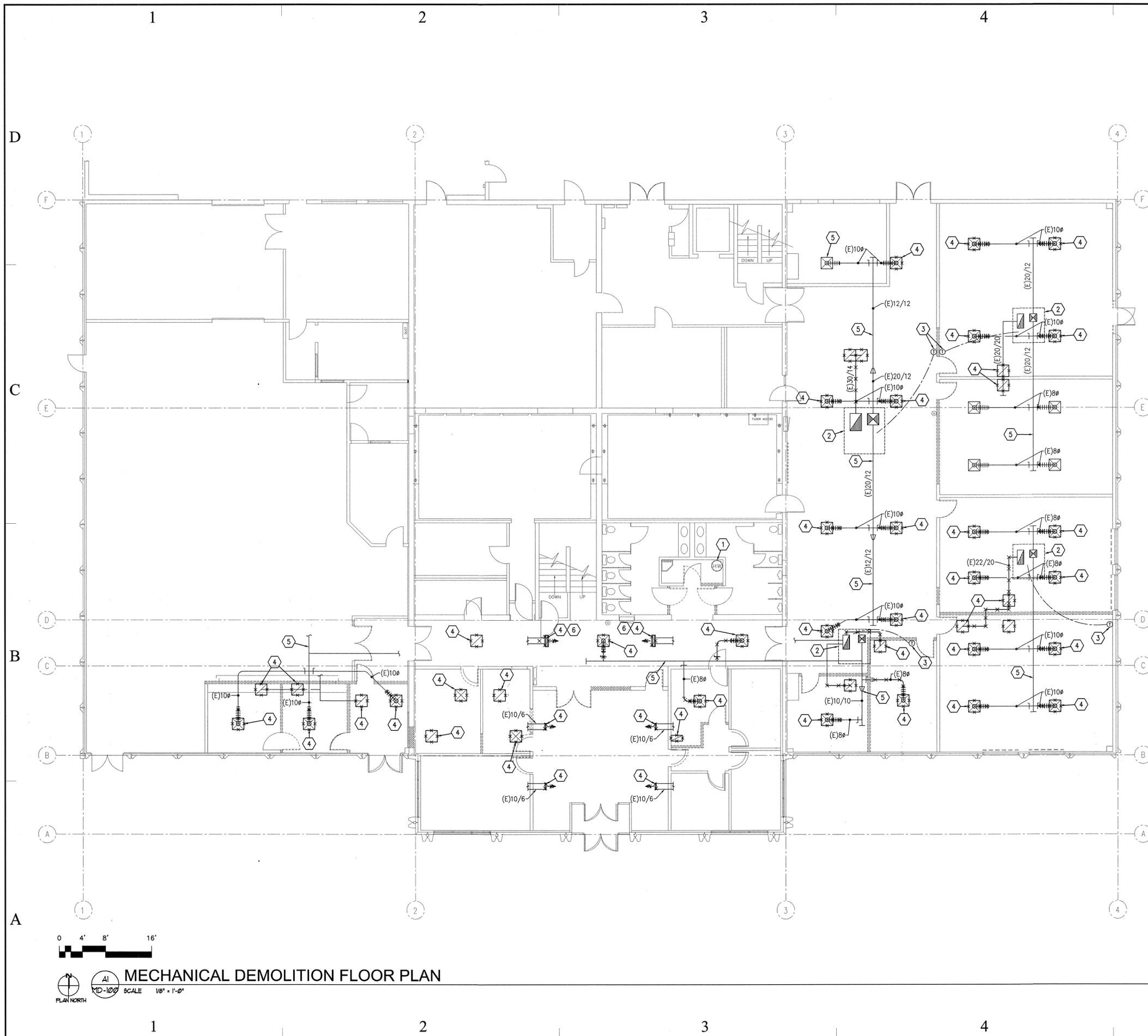
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CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: Ejuarez
CHK'D BY: Sshepherd / Jbeck
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SHEET TITLE

MECHANICAL SYMBOLS & ABBREVIATIONS

SHEET NUMBER

M-001



KEYED NOTES

1. EXISTING WATER HEATER TO BE RELOCATED. SEE SHEET M-100 FOR NEW LOCATION.
2. EXISTING ROOFTOP UNIT TO REMAIN.
3. EXISTING THERMOSTAT TO BE RELOCATED. SEE MECHANICAL SHEET M-100 FOR NEW LOCATION.
4. DEMO EXISTING DUCTWORK AS SHOWN X'D.
5. EXISTING DUCTWORK TO REMAIN.
6. DUCTWORK AND GRILLE ARE LOCATED ON SECOND FLOOR

GENERAL NOTES

1. EXISTING DUCT SIZE ARE APPROXIMATE. FIELD VERIFY EXACT DIMENSIONS AND LOCATIONS.

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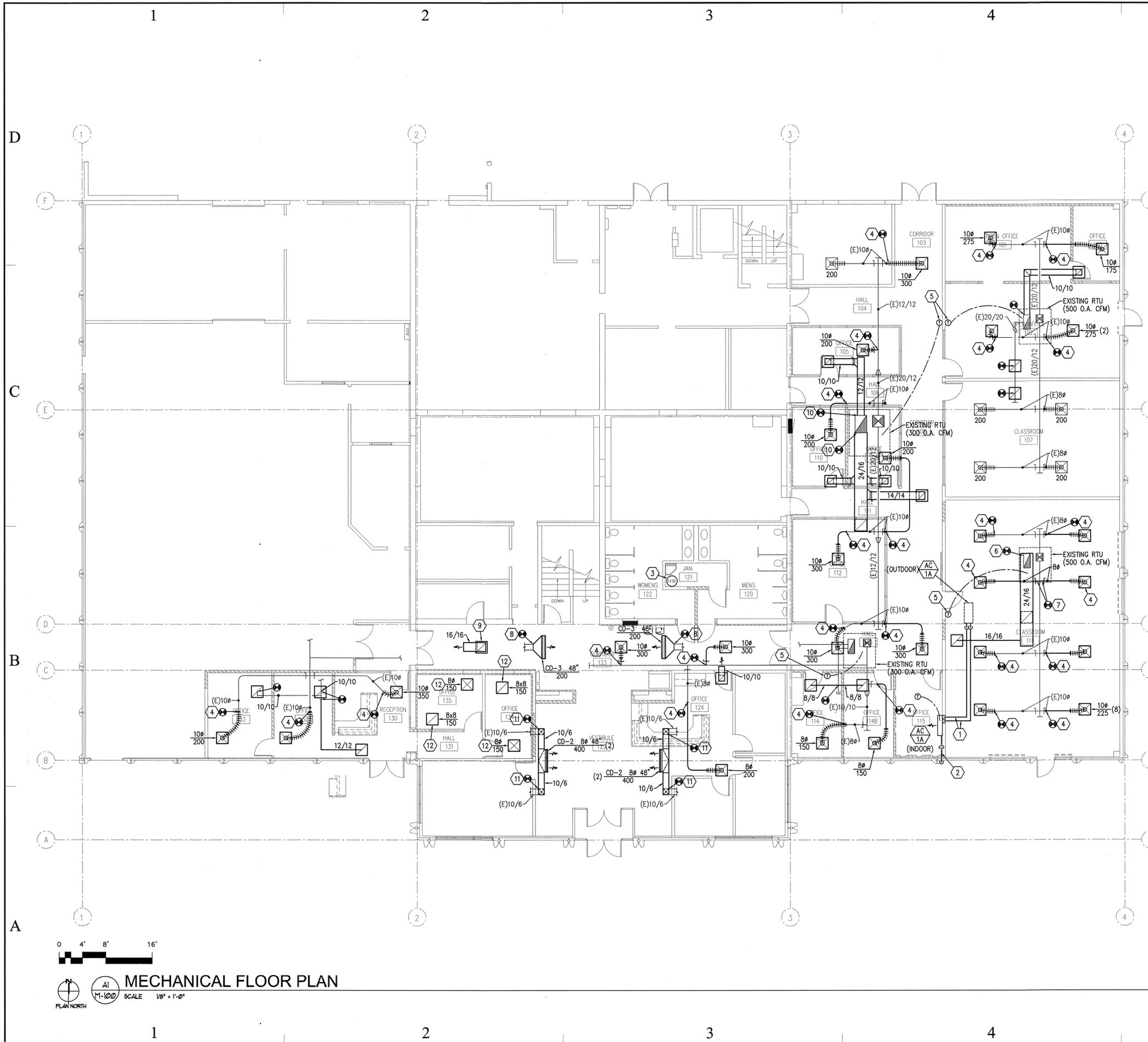
**MECHANICAL
 DEMOLITION
 FLOOR PLAN**

SHEET NUMBER

MD-100



MECHANICAL DEMOLITION FLOOR PLAN
 SCALE 1/8" = 1'-0"
 PLAN NORTH



- ### # KEYED NOTES
- EXTEND AND CONNECT REFRIGERANT PIPING FROM INDOOR UNIT UP THRU ROOF. PROVIDE, INSTALL AND SIZE REFRIGERANT PIPING PER MANUFACTURERS RECOMMENDATIONS.
 - DROP CONDENSATE LINE FROM INDOOR UNIT AND TERMINATE THRU EXTERIOR WALL.
 - RELOCATE EXISTING WATER HEATER TO LOCATION SHOWN. RECONNECT TO WATER LINES, GAS LINE, FLUE, ETC. PROVIDE SEISMIC BRACING FOR WATER HEATER. ALL MATERIALS, PIPING, ETC. TO EXTEND FROM NEW TO EXISTING ARE TO MATCH EXISTING MATERIALS.
 - PROVIDE AND INSTALL NEW CEILING GRILLE AND NEW DUCT. EXTEND AND CONNECT TO EXISTING DUCTWORK. BALANCE DIFFUSER TO CFM SHOWN.
 - RELOCATE EXISTING THERMOSTAT TO NEW LOCATION SHOWN. ATC CONTRACTOR SHALL BE UTAH - YAMAS.
 - PROVIDE AND INSTALL NEW RETURN AIR DUCT. HOLD DUCT TIGHT TO STRUCTURE.
 - REROUTE SUPPLY AIR DUCT IN BETWEEN STRUCTURE SPACE. PROVIDE AND INSTALL NEW HIGH EFFICIENCY TAKE OFF.
 - LINEAR SLOT AND DUCTWORK IS LOCATED ON THE SECOND FLOOR. FIELD VERIFY EXISTING CONDITIONS.
 - CONNECT NEW RETURN AIR GRILLE TO EXISTING RETURN AIR DUCT.
 - CONNECT NEW RETURN DUCT TO EXISTING DUCT AS SHOWN.
 - EXTEND AND CONNECT NEW DUCT AS SHOWN TO EXISTING. PROVIDE AND INSTALL NEW CEILING DIFFUSER AS SHOWN.
 - REMOVE EXISTING GRILLES AND REPLACE WITH NEW. EXTEND AND CONNECT NEW DUCT WORK TO EXISTING SUPPLY AND RETURN DUCTS. BALANCE SUPPLY DIFFUSERS TO CFM SHOWN.

- ### GENERAL NOTES
- EXISTING DUCT SIZES ARE APPROXIMATE. FIELD VERIFY EXACT DIMENSIONS AND LOCATIONS.
 - BALANCE EXISTING SUPPLY GRILLES TO CFM SHOWN ON PLANS. SET MINIMUM OUTSIDE AIR FOR EACH ROOFTOP UNIT TO CFM SHOWN.
 - CONTRACTOR IS TO RELOCATE AND OR ADD SPRINKLER HEADS IN THE REMODEL AREA AS NECESSARY TO CONFORM WITH NFPA 13. CONTRACTOR IS TO FIELD VERIFY EXACT LOCATIONS OF SPRINKLER HEADS AND PIPING.

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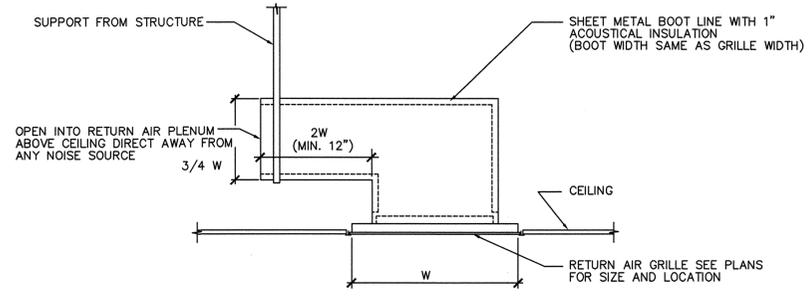
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SHEET TITLE
MECHANICAL FLOOR PLAN
 SHEET NUMBER
M-100

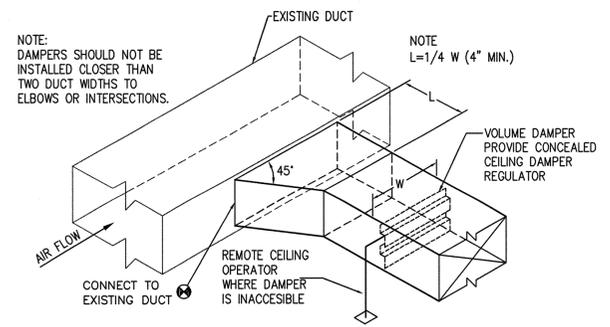
SPLIT SYSTEM HEAT PUMP																		
ID	MANUFACTURER	COOLING CAPACITY (BTU/H)	HEATING CAPACITY (BTU/H)	INDOOR UNIT						OUTDOOR UNIT						REFRIGERANT LINES		NOTES
				MODEL	CFM RANGE	DIMENSIONS W" x H" x D"	WEIGHT (LBS.)	AMPS (MCA)	VOLTS/PH/Hz.	MODEL	DIMENSIONS W" x H" x D"	WEIGHT (LBS.)	AMPS (MCA)	VOLTS/PH/Hz.	LIQUID	GAS		
AC-1	DAIKIN	18,000	19,000	PKA-A18GAL	320 - 425	39 / 10 / 14	40	1.0	208/1/60	PUZ-A18NHA	32 / 13 / 24	115	13	208/1/60	1/4	1/2	1,2,3,4,5	

- CAPACITIES RATED AT THE FOLLOWING OUTDOOR CONDITIONS: COOLING - 95 DEG. F. D.B., 75 DEG. F. W.B. HEATING - 40 DEG F DB
- CAPACITIES RATED AT THE FOLLOWING INDOOR CONDITIONS: COOLING - 80 DEG. F. D.B., 67 DEG. F. W.B., HEATING - 70 DEG F DB
- PROVIDE LOW AMBIENT HEAD CONTROLLER TO ALLOW COOLING OPERATION DOWN TO 0 DEG. F. D.B.
- R410A REFRIGERANT.
- WIRELESS REMOTE CONTROLLER. PROVIDE WALL MOUNTED HOLDER.

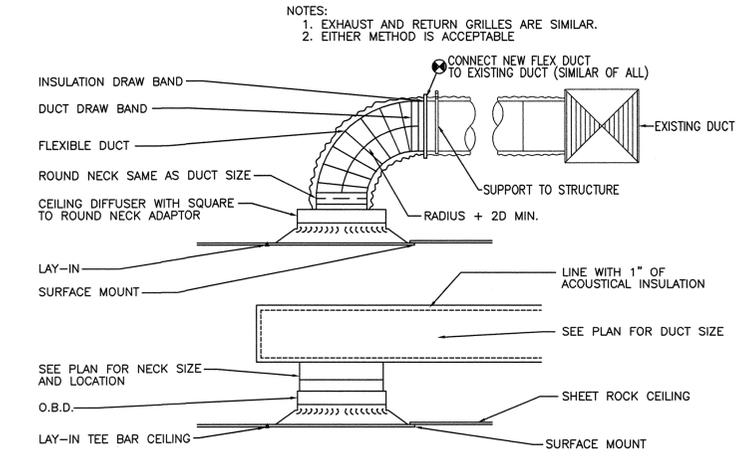
GRILLES, REGISTERS AND DIFFUSERS				
ID	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	EH PRICE	SCDA	30	LOUVER FACE (3-CONE) CEILING DIFFUSERS. ADJUSTABLE AIR PATTERN. C.W./O.B.D. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. PROVIDE ROUND NECK ADAPTER.
CD-2	EH PRICE	ASPI	30	2 SLOT LINEAR CEILING DIFFUSER WITH FULLY ADJUSTABLE AIR PATTERN AND FLOW CONTROL VANES FOR ONE OR TWO WAY THROW PATTERN. UNITS SHALL HAVE 2" SLOTS AND INSULATED PLENUM WITH ROUND DUCT CONNECTION. FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED. UNIT SHALL BE CURVED FACE FOR EXPOSED DUCT MOUNTING AS REQUIRED.
CD-3	EH PRICE	ASPI	30	1 SLOT LINEAR CEILING DIFFUSER WITH FULLY ADJUSTABLE AIR PATTERN AND FLOW CONTROL VANES FOR ONE OR TWO WAY THROW PATTERN. UNITS SHALL HAVE 1" SLOTS AND INSULATED PLENUM WITH ROUND DUCT CONNECTION. FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED. UNIT SHALL BE CURVED FACE FOR EXPOSED DUCT MOUNTING AS REQUIRED.
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 SHALL 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.



2 RETURN AIR SOUND BOOT DETAIL
M-501 NO SCALE



3 BRANCH DUCT TAKE-OFF & DAMPER DETAIL
M-501 NO SCALE



1 CEILING DIFFUSER DETAIL
M-501 NO SCALE

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VBFA Project Number: 10096



PROJECT TITLE:
UTAH VALLEY UNIVERSITY OREM, UTAH
EXTENDED EDUCATION BUILDING
INTERIOR REMODEL

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 12th April, 2010

DFCM PROJECT NO: 10011790
CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: Ejuarez
CHK'D BY: Sshepherd / Jbeck
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SHEET TITLE:
MECHANICAL DETAILS & SCHEDULES

SHEET NUMBER:
M-501

GENERAL NOTES

- 16. ALL BATTERY POWERED OR CONTINUOUS BURN LUMINAIRES SHOWN ON THE PLANS, SUCH AS EXIT LIGHTS, NIGHT LIGHTS, OR EMERGENCY LIGHTS, SHALL BE CONNECTED TO THE UN-SWITCHED LEG OF THE LIGHTING CIRCUIT FEEDING THAT AREA.
17. ALL LUMINAIRES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE AND NOT THE CEILING GRID OR OTHER NONSTRUCTURAL MEMBER.
18. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT WITH PULL CORD, FROM ALL HEATING/COOLING EQUIPMENT TO THE THERMOSTAT, FOR THE AUTOMATIC TEMPERATURE SYSTEM CONTROL. CONFIRM AND COORDINATE WITH THE MECHANICAL CONTRACTOR.
19. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE STRUCTURED CABLING FROM EACH TELEPHONE OR MULTIMEDIA OUTLET TO THE TELEPHONE/DATA BOARD/RACK. THE CABLE SHALL BE LABELED ON EACH END FOR PROPER IDENTIFICATION BEFORE THE CABLE ENDS ARE TERMINATED. THE ELECTRICAL CONTRACTOR SHALL TERMINATE THE CABLES IN THE OUTLET AND IN THE PATCH PANEL.
20. DURING CONSTRUCTION, THE ELECTRICAL CONTRACTOR SHALL REMOVE, REROUTE, AND/OR RELOCATE ANY EXISTING ELECTRICAL EQUIPMENT THAT CONFLICTS WITH THE REMODEL OR ADDITION. ALL SYSTEMS SHALL BE OPERABLE AT THE COMPLETION OF THE PROJECT. EQUIPMENT THAT IS NOT REUSED, AND NOT WANTED BY THE OWNER IN WRITING, BECOMES THE PROPERTY OF THE ELECTRICAL CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
21. THE ELECTRICAL CONTRACTOR SHALL MAINTAIN ELECTRICAL CONTINUITY TO REMAINING EQUIPMENT WHEN ANY EXISTING ELECTRICAL EQUIPMENT IS REMOVED.
22. EXISTING LUMINAIRES THAT ARE TO REMAIN, OR BE REUSED, SHALL BE CLEANED AND RELAMPED.
23. ALL COSTS FROM THE USE OF THE EXISTING PANEL SHALL BE INCLUDED IN THE CONTRACTOR'S BASE BID, I.E. CHANGE IN BREAKER SIZE, ETC.
24. AFTER THE FACILITY IS COMPLETE AND BEEN IN FULL OPERATION FOR TWO WEEKS THE ELECTRICAL CONTRACTOR SHALL OBTAIN THE UTILITY DEMAND, THE SYSTEM VOLTAGE (PHASE TO PHASE AND PHASE TO GROUND) AND AN AMMETER READING (EACH PHASE) ON THE MAIN FEEDERS. THESE READINGS SHALL BE OBTAINED DURING NORMAL OPERATING HOURS FOR THE FACILITY AND SHALL BE RECORDED AND A COPY SENT TO THE ENGINEER.

GENERAL NOTES

- 1. THE ELECTRICAL SYSTEMS DEFINED BY THESE PLANS AND SPECIFICATIONS ARE TO BE CONSTRUCTED AS COMPLETE AND OPERABLE SYSTEMS AND SHALL BE BID WITH THIS INTENT. THE CONTRACTOR SHALL VISIT THE SITE, READ ALL THE RELEVANT DOCUMENTS AND BECOME FAMILIAR WITH THE TYPE OF CONSTRUCTION AND WORK TO BE ACCOMPLISHED. SHOULD ANY ERROR, OMISSION OR CONFLICT EXIST IN EITHER THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING BEFORE SUBMITTING HIS BID PRICE SO A CHANGE CAN BE ISSUED IN A PRE-BID ADDENDUM. OTHERWISE, THE CONTRACTOR AND/OR EQUIPMENT SUPPLIER SHALL SUPPLY THE PROPER MATERIALS AND LABOR TO INSTALL COMPLETE AND OPERABLE SYSTEMS AT THEIR OWN EXPENSE. WHEN EACH ELECTRICAL SYSTEM IS COMPLETE, THE CONTRACTOR SHALL TEST AND CONFIRM IT'S PROPER OPERATION. ANY INCOMPLETE SYSTEM SHALL BE MADE COMPLETE AND OPERABLE.
2. THE ARCHITECTURAL AND MECHANICAL PLANS ARE CONSIDERED A PART OF THE ELECTRICAL DOCUMENTS SO FAR AS ANY ELECTRICAL ITEMS THEY MAY CONTAIN. THE ELECTRICAL CONTRACTOR SHALL REFER TO AND COORDINATE WITH THEM. NO EXTRA COST SHALL BE ALLOWED FOR FAILURE TO COORDINATE THE CONTRACT DOCUMENTS WITH OTHER TRADES AND/OR IF EQUIPMENT DIMENSIONS ARE GREATER THAN SPECIFIED AND/OR DIMENSIONED ON THE PLANS.
3. NO ADDITIONS TO THE CONTRACTOR BID WILL BE ALLOWED FOR CHANGES MADE NECESSARY BY INTERFERENCE WITH OTHER WORK.
4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EQUIPMENT, MATERIALS AND LABOR FOR THE CONNECTIONS OF ALL EQUIPMENT SHOWN ON THE PLANS - ARCHITECTURAL, MECHANICAL, ETC.
5. THIS PROJECT IS TO BE INSTALLED IN STRICT ACCORDANCE WITH LOCAL AND STATE CODES AND THE NEC. IF AT ANY TIME DURING CONSTRUCTION, OR AFTER, SOMETHING IS FOUND TO BE INSTALLED IN VIOLATION OF THE CODES LISTED ABOVE, IT SHALL BE CORRECTED AT THE CONTRACTORS EXPENSE.
6. THE EC SHALL INSTALL A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT RUN. CONDUIT SHALL NOT BE USED AS AN EQUIPMENT GROUNDING CONDUCTOR. THE EC SHALL GROUND THE ELECTRICAL SYSTEM IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
7. THE CONTRACTOR SHALL NOTIFY THE MANUFACTURER THAT THE LAYOUT AND DIMENSIONS ARE CRITICAL FOR ALL PANELS, SWITCHGEAR, ETC. AND NO PIECE OF EQUIPMENT SHALL EXCEED THE PHYSICAL SIZE INDICATED ON THE PLANS.
8. ELECTRICAL CONTRACTOR SHALL CONFIRM MINIMUM CODE (NEC) WORKING CLEARANCE BEFORE INSTALLING ANY ELECTRICAL PANELS OR CABINETS AND SHALL MOVE THE PANELS AT HIS EXPENSE IF REJECTED BY AN INSPECTOR. IF CLEARANCE IS NOT POSSIBLE, THE DESIGNER SHALL BE NOTIFIED IMMEDIATELY IN WRITING.
9. THE CONTRACTOR SHALL ALLOW THE MOVEMENT, BEFORE ROUGH-IN, OF ANY ELECTRICAL PANEL, DEVICE, LUMINAIRE, ETC. A DISTANCE OF 10 FEET WITHOUT REQUIRING ADDITIONAL COST TO THE PROJECT.
10. THE ELECTRICAL CONTRACTOR SHALL SECURE ALL CONDUIT TO THE STRUCTURE AS IT IS SET IN PLACE USING INDUSTRY STANDARD METHODS AND PRACTICES.
11. TO ASSURE ALL DEVICES ARE RIGIDLY SET, THE ELECTRICAL CONTRACTOR SHALL SECURE ALL DEVICE BOXES WITH BRACKETS, HANGERS, ETC. DESIGNED FOR THE APPLICATION. ANY DEVICE BOXES NOT SECURED WILL BE MADE SECURE AT THE CONTRACTORS EXPENSE.
12. BEFORE ANY ELECTRICAL CONDUIT, BOXES, ETC. ARE COVERED (FLOOR, CEILINGS, WALLS, ETC.), THEY SHALL BE APPROVED BY THE INSPECTING OFFICER (INSPECTOR). THE UNCOVERING AND REPLACEMENT OF ELECTRICAL WORK FOR THE INSPECTION PURPOSES WILL BE AT THE COST OF THE ELECTRICAL CONTRACTOR.
13. DO NOT INSTALL CONDUIT IN BOND BEAMS.
14. LENGTHS OF FLEXIBLE CONDUIT GREATER THAN 48 INCHES SHALL NOT BE INSTALLED ON THIS PROJECT, EXCEPT WHIPS ON LUMINAIRES, WHICH MAY BE UP TO ELEVEN (11) FEET IN LENGTH. FLEXIBLE CONDUIT SHALL NOT BE CONCEALED.

ELECTRICAL SYMBOL SCHEDULE

Table with columns: SYMBOL, DEVICE/FIXTURE DESCRIPTION, NOTES. Includes items like FLUORESCENT LIGHT FIXTURE, EXIT LIGHT FIXTURE, RECESSED LIGHT FIXTURE, WALL LIGHT FIXTURE, SINGLE POLE SWITCH, THREE WAY SWITCH, PENDANT LIGHT FIXTURE, HORN STROBE 15 CD, FOUR WAY SWITCH, DUAL TELEPHONE/DATA, RECEPTACLE & DATA/TELEPHONE, PANEL BOARD RECESSED, POWER PACK, CEILING OCCUPANCY SENSOR, etc.

NOTES/ABBREVIATIONS

AFF - ABOVE FINISHED FLOOR, AFC - ABOVE FINISHED GRADE, AIC - AMPS INTERRUPTING CAPACITY, BC - BARE COPPER, BFC - BELOW FINISHED CEILING, BFG - BELOW FINISHED GRADE, CND. OR C. - CONDUIT, CLG - INSTALLED IN CEILING, CT - CURRENT TRANSDUCER, DFA - DROP FROM ABOVE, EC - ELECTRICAL CONTRACTOR, EV - ELECTRO VOICE, GC - GENERAL CONTRACTOR, GND - GROUND, MC - MECHANICAL CONTRACTOR, MCA - MINIMUM CIRCUIT AMPS, P.C. - PLUMBING CONTRACTOR, POC - POINT OF CONNECTION, POS - POINT OF SALES, RMC - RIGID METAL CONDUIT, SCA - SHORT CIRCUIT AMPERES, TC - TEMP. CONTROL CONTRACTOR, UNO - UNLESS NOTED OTHERWISE, VA - VOLT/AMPS, VF - VERIFY IN FIELD, WP - WEATHER PROOF/NEMA 3R

- 1. SEE LIGHTING FIXTURE SCHEDULE FOR TYPE AND SPECIFICS.
2. SEE LIGHTING FIXTURE SCHEDULE FOR MOUNTING OF FIXTURE.
3. WIRE FIXTURE FROM ADJACENT J-BOX
4. PROVIDE UN-SWITCHED CONDUCTOR TO EMERGENCY BALLAST
5. PROVIDE DIRECTIONAL ARROWS AS SHOWN ON THE PLANS
6. ACCEPTABLE EQUALS ARE P&S, LEVITON, COOPER, HUBBELL
7. ACCEPTABLE EQUALS ARE HUBBELL, WATT STOPPER, SENSOR SWITCH
8. ACCEPTABLE EQUALS ARE GENERAL ELECTRIC, ALLEN-BRADLEY, SQUARE D
9. ACCEPTABLE EQUALS ARE LEVITON, P&S, HUBBELL, COOPER
10. ACCEPTABLE EQUALS ARE INTERMATIC, PARAGON, EZ-CONTROL
11. USE A 4" X 4" BOX WITH A MUD RING TO MATCH THE DEVICE AND INSTALLATION.
12. PROVIDE MUD RING AND/OR BOX COVER APPROPRIATE FOR DEVICE/FIXTURE SERVED.
13. USE HEAVY DUTY FOR 480 VOLT.
14. SIZE TO THE EQUIPMENT BEING CONTROLLED
15. PROVIDE A FLOOR BOX HUBBELL SIFFB/SISP, TWO HXUSEBK, ONE IM2K1BK, AND FIVE IM1BK W/FLANGE TO MATCH FLOOR TYPE.
16. FLOOR BOX.
17. ACCEPTABLE EQUALS ARE SIEMON.
18. MATCH THE VOLTAGE OF THE RELAY WITH THAT OF THE CONTROLLING CIRCUIT.
19. MOUNT SWITCH AT DOOR JAM PER MANUFACTURERS INSTRUCTIONS.
20. FEED THE STYLE LINE RESEP. FROM THE GFCI OUTLET SO BOTH ARE GFCI PROTECTED.
21. PROVIDE HANDY BOX (RACO 663 OR EQUAL) MOUNT DIRECTLY TO FURNACE FUSE 15 AMP OR AS INDICATED ON PLANS.
22. SWITCH WITH LIGHTS UNLESS INDICATED OTHERWISE.
23. PROVIDE DEVICE UL LISTED TO BE USED WITH THE EXISTING FIRE ALARM PANEL/SYSTEM.
24. PROVIDE TIMER INTERVAL AS SHOWN ON DRAWINGS OR LISTED IN SPECIFICATIONS.
25. USE POWER PACK BZ-100E-P.

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PROJECT TITLE:

UTAH VALLEY UNIVERSITY OREM, UTAH

EXTENDED EDUCATION BUILDING

INTERIOR REMODEL

MARK DATE DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: April 12th, 2010

DFCM PROJECT NO: 10011790

CAD PROJECT NO:

CAD DWG FILE:

DRAWN BY: Kmcgee

CHK'D BY: Sjohns

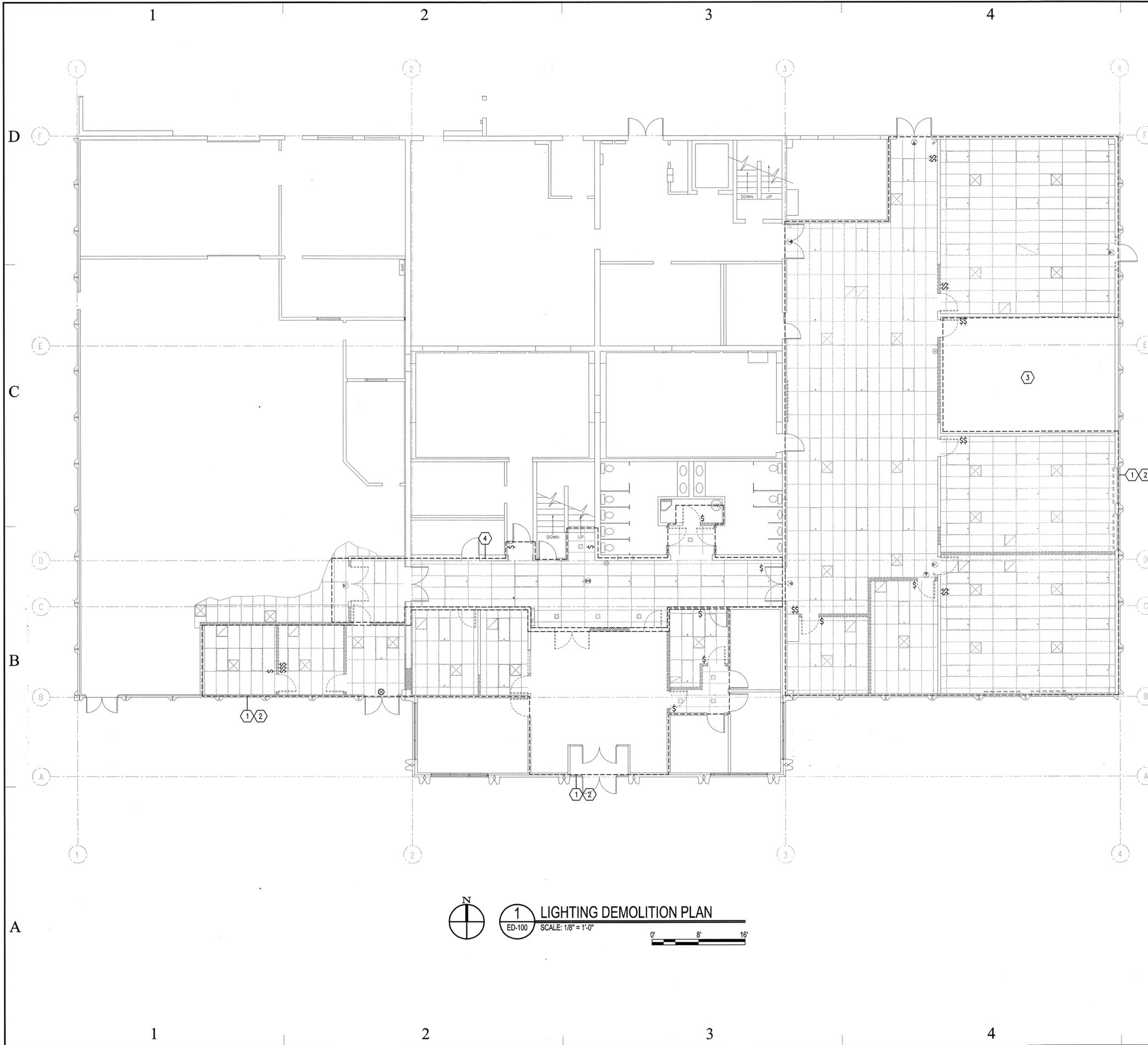
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SHEET TITLE

ELECTRICAL SYMBOLS, SCHEDULES

SHEET NUMBER

E001



- ### # KEYED NOTES
- CONTRACTOR SHALL DISCONNECT AND REMOVE ALL LIGHT FIXTURES, EXIT SIGNS, SWITCHES AND OTHER LIGHTING CONTROL DEVICES IN THIS AREA. CONTRACTOR SHALL DISCONNECT AND REMOVE THE CONDUIT AND CONDUCTORS TO THE NEAREST JUNCTION BOX. MAINTAIN POWER CONNECTION TO LIGHTS AND DEVICES OUTSIDE OF THE DEMOLITION AREA. BREAKERS NOT USED SHALL BE LABELED AS SPARE IN THE PANELBOARD DIRECTORY.
 - COORDINATE SALVAGE OF LIGHT FIXTURES, EXIT SIGNS, AND DEVICES WITH OWNER PRIOR TO REMOVAL.
 - ALL LUMINAIRES AND LIGHTING CONTROL DEVICES IN THIS AREA ARE EXISTING TO REMAIN. CONTRACTOR SHALL PROTECT FROM DAMAGE DURING DEMOLITION WORK AND RE-CIRCUIT AS REQUIRED IF CIRCUITS ARE INTERRUPTED DUE TO THE DEMOLITION WORK IN THE ADJACENT ROOMS.
 - CONTRACTOR SHALL DISCONNECT AND REMOVE ALL LIGHT FIXTURES AND EXIT SIGNS IN THIS AREA. THE EXISTING SWITCH(ES) SHALL BE REPLACED WITH NEW AND CONNECTED TO THE NEW LUMINAIRES. REFER TO THE NEW LIGHTING PLANS FOR MORE INFORMATION. CONTRACTOR SHALL DISCONNECT THE CONDUIT AND CONDUCTORS AND THOSE NOT REUSED WITH THE NEW LUMINAIRES SHALL BE REMOVED TO THE NEAREST JUNCTION BOX. MAINTAIN POWER CONNECTION TO LIGHTS AND DEVICES OUTSIDE OF THE DEMOLITION AREA. BREAKERS NOT USED SHALL BE LABELED AS SPARE IN THE PANELBOARD DIRECTORY.

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 VBFA Project Number: 10096

Professional Engineer Seal: STAN W. JOHNS, No. 5245941, 04/12/10, STATE OF UTAH

PROJECT TITLE:
UTAH VALLEY UNIVERSITY OREM, UTAH
EXTENDED EDUCATION BUILDING
INTERIOR REMODEL

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: April 12th, 2010

DFCM PROJECT NO: 10011790
 CAD PROJECT NO:
 CAD DWG FILE:
 DRAWN BY: Kmcgee
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SHEET TITLE:
LIGHTING DEMOLITION PLAN

SHEET NUMBER:
ED-100



- ### # KEYED NOTES
- ON THIS WALL OR AREA INDICATED CONTRACTOR SHALL DISCONNECT AND REMOVE ALL DEVICES, AND ASSOCIATED CONDUIT AND CONDUCTORS TO THE NEAREST JUNCTION BOX IN PREPARATION FOR NEW DEVICES IN NEW LOCATION. REFER TO NEW POWER PLANS FOR NEW LOCATIONS.
 - ON INDICATED WALL OR AREA INDICATED CONTRACTOR SHALL DISCONNECT AND REMOVE DEVICES. LOCATIONS ARE EXISTING TO REMAIN. CIRCUITS ARE TO BE RE-USED. TYPICAL UNLESS NOTED OTHERWISE.
 - DISCONNECT AND REMOVE THE EXISTING 800 AMP DISTRIBUTION PANELBOARD. PREPARE EXISTING CONDUITS AND BRANCH PANEL CONDUCTORS FOR NEW 800 AMP DISTRIBUTION PANELBOARD IN SAME LOCATION. PROTECT ALL GROUNDING ELECTRODE CONDUCTORS FROM DAMAGE AND LABEL FOR RE-USE.
 - ON THIS WALL CONTRACTOR SHALL DISCONNECT AND REMOVE DEVICES IN PREPARATION FOR THE WALL TO BE FURRED OUT, CIRCUITS SHALL BE RE-USED DEVICE LOCATIONS ARE EXISTING TO REMAIN.
 - CONTRACTOR SHALL PROTECT PANELBOARD AND ALL ASSOCIATED CIRCUITS FROM DAMAGE IN PREPARATION FOR THE NEW WALL. PANELBOARD IS TO BE RE-USED. REFER TO NEW POWER PLANS FOR MORE INFORMATION.
 - CONTRACTOR SHALL DISCONNECT AND REMOVE THE CAMERA AND CONDUCTORS BACK TO THE NEAREST JUNCTION BOX AND STORE FOR RE-USE.
 - ON WALL INDICATED CONTRACTOR SHALL DISCONNECT AND REMOVE ALL DEVICES, AND ASSOCIATED CONDUIT AND CONDUCTORS TO THE NEAREST JUNCTION BOX.
 - DISCONNECT AND REMOVE ALL FIRE ALARM DEVICES AFFECTED BY DEMOLITION INCLUDING SMOKE DETECTORS, PULL STATIONS AND HORN STROBES, PROTECT FROM DAMAGE AND STORE FOR RE-USE. TYPICAL UNLESS NOTED OTHERWISE.
 - CONTRACTOR SHALL DISCONNECT AND REMOVE FLOOR BOX DEVICES AND CONDUCTORS FOR POWER AND DATA BACK TO SOURCE AND FILL CONDUIT AND BOX WITH CONCRETE AND FINISH SO THE TOP OF THE FINISHED CONCRETE IS FLUSH WITH THE EXISTING FLOOR IN PREPARATION FOR NEW CARPET OR FLOORING. APPROXIMATE LOCATIONS SHOWN, FIELD CONFIRM EXACT LOCATIONS AND QUANTITIES PRIOR TO BID. TYPICAL FOR ALL FLOOR BOXES IN THIS ROOM.
 - ON WALL INDICATED ALL CONDUITS SHALL BE CONCEALED IN THE WALL BELOW THE HEIGHT OF 12'-6" IN PREPARATION FOR THE NEW 12' CEILING. ADJUST AND EXTEND CONDUITS TO BE REUSED. REMOVE CONDUITS NOT TO BE REUSED. DO NOT INSTALL JUNCTION BOXES IN THE WALL FOR EXTENDING THE CONDUITS. ONLY INSTALL THEM ABOVE THE NEW CEILING. NO CONDUITS SHALL BE EXPOSED BELOW THE NEW CEILING.

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 No. 8248941
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PROJECT TITLE:
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MARK	DATE	DESCRIPTION
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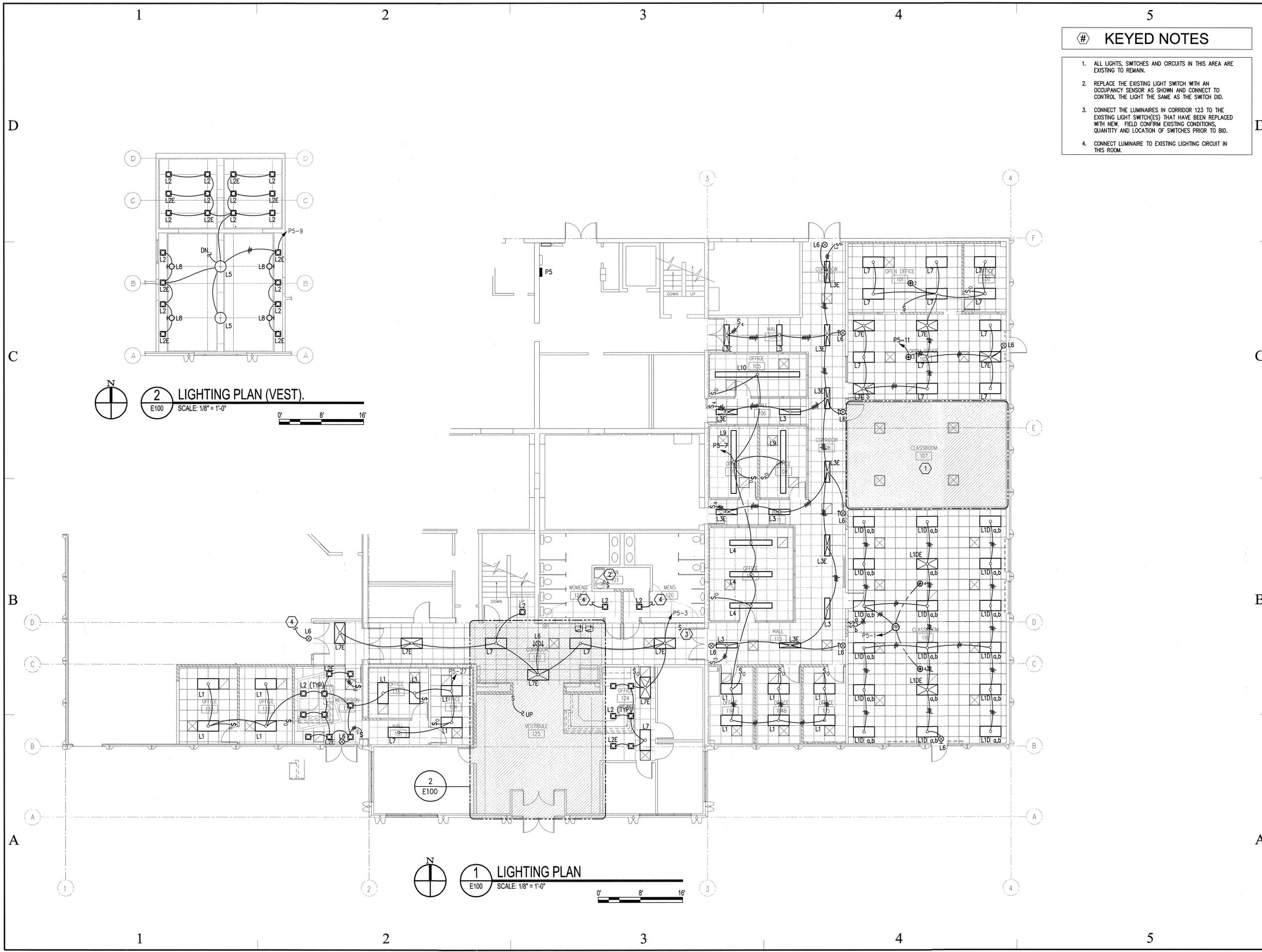
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SHEET TITLE

POWER DEMOLITION PLAN

SHEET NUMBER

ED-200



- # KEYED NOTES**
1. ALL LIGHTS, SWITCHES AND CIRCUITS IN THIS AREA ARE EXISTING TO REMAIN.
 2. REPLACE THE EXISTING LIGHT SWITCH WITH AN OCCUPANCY SENSOR AS SHOWN AND CONNECT TO CONTROL THE LIGHT THE SAME AS THE SWITCH DID.
 3. CONNECT THE LUMINAIRES IN CORRIDOR 123 TO THE EXISTING LIGHT SWITCH(ES) THAT HAVE BEEN REPLACED WITH NEW. FIELD CONFIRM EXISTING CONDITIONS, QUANTITY AND LOCATION OF SWITCHES PRIOR TO BID.
 4. CONNECT LUMINAIRE TO EXISTING LIGHTING CIRCUIT IN THIS ROOM.

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 VBFA Project Number: 10099



PROJECT TITLE:
 UTAH VALLEY UNIVERSITY
 OREM, UTAH

**EXTENDED EDUCATION
 BUILDING**

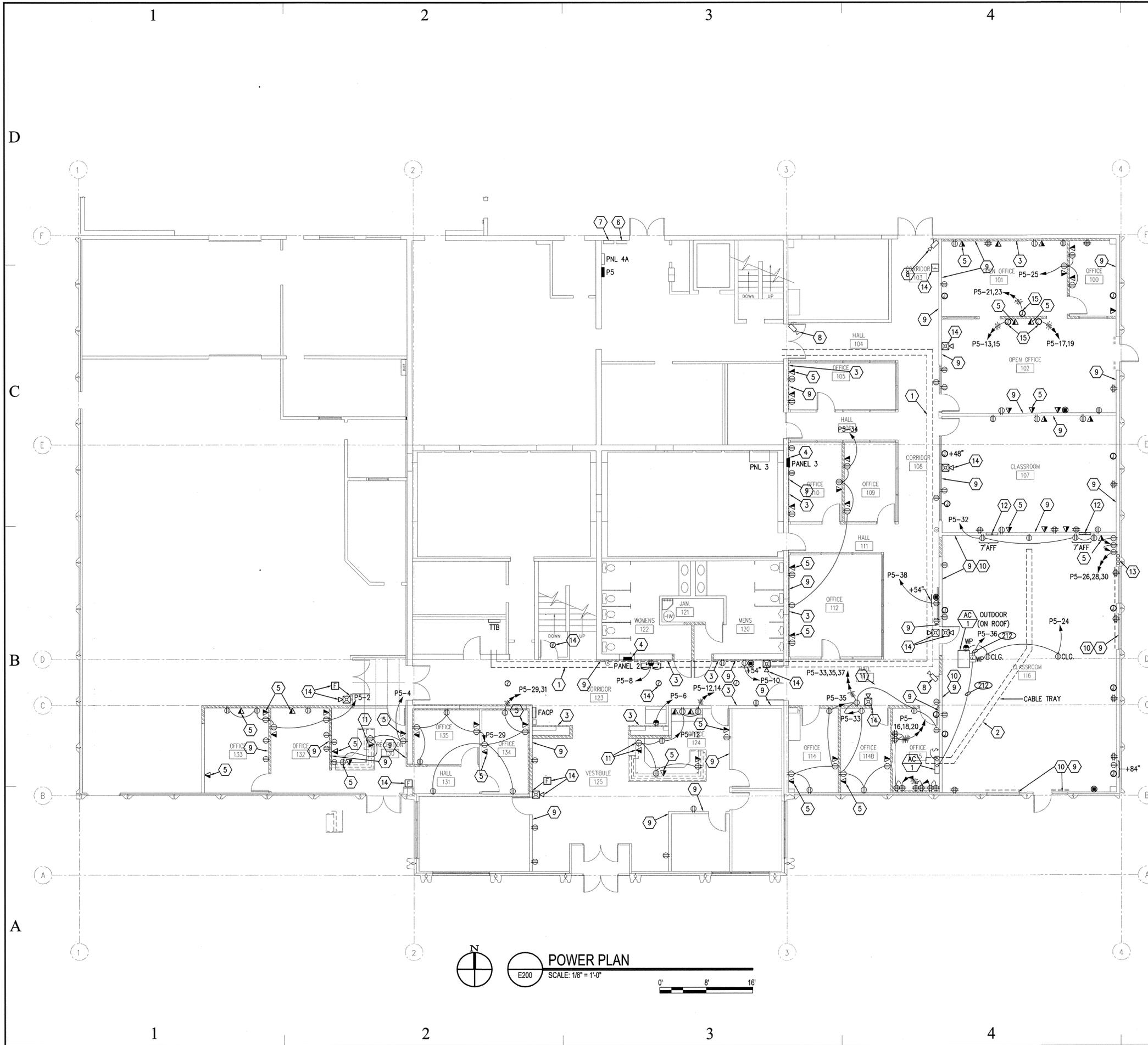
INTERIOR REMODEL

MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		
ISSUE DATE: April 12th, 2010		
DFCM PROJECT NO: 10011790		
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CAD DWG FILE:		
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LIGHTING PLAN

SHEET NUMBER

E100



KEYED NOTES

1. EXISTING LADDER STYLE CABLE TRAY APPROXIMATE LOCATION SHOWN.
2. NEW 12"x4" LADDER STYLE CABLE TRAY TO M ATCH EXISTING REFER TO SPECIFICATIONS FOR MORE INFORMATION.
3. CONTRACTOR SHALL PROVIDE JUNCTION BOX EXTENSIONS FOR ALL NEW DEVICES IN EXISTING LOCATIONS ALONG THIS WALL TO ACCOMMODATE THE NEW WALL. EXISTING CIRCUITS SHALL BE RE-USED.
4. CONTRACTOR SHALL PROVIDE A PANELBOARD EXTENSION SO THE FRONT OF THE PANEL IS FLUSH WITH FINISHED WALL.
5. PROVIDE 1" CONDUIT FROM VOICE/DATE OUTLET IN WALL, UP INTO THE CEILING, THEN STUBBED INTO NEAREST CABLE TRAY. CONDUIT RUN SHALL NOT EXCEED (3) 90 DEGREE BENDS. PROVIDE (1) BLUE MOHAWK CAT 5E CABLE FOR VOICE WITH BLUE/ORANGE PAIR TERMINATED ON JACK 1 AND GREEN/BROWN PAIR ON JACK 2 AND MOUNTED IN THE UPPER LEFT OF FACE PLATE. PROVIDE (2) WHITE SIEMON 106 6A OR MOHAWK GIGALAN 10 DATA CABLES TERMINATED TO DATA JACKS MOUNTED IN THE LOWER LEFT OF FACE PLATE. ROUTE CABLES FROM VOICE/DATE JACK, THROUGH CONDUIT AND CABLE TRAY, AND TERMINATE IN THE DATA/PHONE ROOM. TYPICAL UNLESS NOTED OTHERWISE. REFER TO VOICE/DATE CABLE RISER DETAIL 1 ON SHEET E300 FOR MORE INFORMATION.
6. EXISTING 800 AMP 3 POLE BREAKER AND ENCLOSURE TO REMAIN.
7. NEW MAIN DISTRIBUTION PANEL "MDP" RECONNECT ALL BRANCH PANEL FEEDERS AND GROUNDING TO LIKE NEW CONDITIONS PRIOR TO DEMOLITION WORK.
8. RE-CONNECT EXISTING CAMERA TO LIKE NEW CONDITIONS PRIOR TO DEMOLITION.
9. ON THIS WALL, DEVICES SHOWN WITH OUT CIRCUITS ARE EXISTING. CONTRACTOR TO PROVIDE NEW DEVICE AS INDICATED AND RE-USE THE EXISTING CIRCUIT THAT WAS FEEDING THE DEVICE PRIOR TO DEMOLITION. CONTRACTOR SHALL ENSURE THAT THE CIRCUIT IS NOT OVERLOADED AND SHALL UPDATE THE CIRCUIT DIRECTORY IN THE PANEL FOR THE AREAS SERVED FOR ALL CIRCUITS BEING RE-USED.
10. EXTEND ALL CONDUITS ABOVE CEILING, NO CONDUITS SHALL BE EXPOSED ON WALLS INDICATED OR BELOW THE NEW 12' CEILING.
11. MOUNT THE DEVICES IN THE MILLWORK AND COORDINATE MOUNTING WITH THE MILLWORK MANUFACTURER AND ARCHITECT PRIOR TO ROUGH-IN. TYPICAL FOR ALL DEVICES SHOWN IN MILLWORK.
12. CONTRACTOR SHALL PROVIDE (1) 3" CONDUIT WITH NYLON PULLSTRING STUBBED INTO A 24"x24"x4" JUNCTION BOX RECESSED INTO THE WALL AS DIRECTED BY THE OWNER. CONDUIT SHALL BE EXTENDED INTO THE NEW CABLE TRAY IN THIS ROOM.
13. CONTRACTOR SHALL PROVIDE (3) 3" CONDUITS WITH NYLON PULL STRINGS IN WALL STUBBED INTO THE CABLE TRAY IN THIS ROOM, CONDUITS SHALL TERMINATE INTO A 30"x30"x4" RECESSED JUNCTION BOX AS DIRECTED BY THE OWNER +18" AFF.
14. RECONNECT ALL FIRE ALARM DEVICES AFFECTED BY DEMOLITION INCLUDING BUT NOT LIMITED TO SMOKE DETECTORS, PULL STATIONS AND HORN STROBES. EXTEND BRANCH CIRCUIT CONDUIT AND WIRING TO MATCH EXISTING AS REQUIRED AND PROVIDE ADDITIONAL PROGRAMMING AS REQUIRED AND TEST THE SYSTEM TO ENSURE THAT THE FIRE ALARM SYSTEM IS COMPLETE AND FUNCTIONING TO LIKE NEW CONDITIONS PRIOR TO THE DEMOLITION.
15. SYSTEMS FURNITURE CONNECTIONS. PROVIDE CIRCUITS AS INDICATED AND COORDINATE LOCATIONS AND ROUGH-IN REQUIREMENTS WITH OWNER AND SYSTEMS FURNITURE MANUFACTURER AND INSTALLER PRIOR TO INSTALLATION.

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PROJECT TITLE:
 UTAH VALLEY UNIVERSITY
 OREM, UTAH
 EXTENDED EDUCATION
 BUILDING
 INTERIOR REMODEL

MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		
ISSUE DATE: April 12th, 2010		
DFCM PROJECT NO: 10011790		
CAD PROJECT NO:		
CAD DWG FILE:		
DRAWN BY: Kmcgee		
CHK'D BY: Sjohns		
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SHEET TITLE
 POWER PLAN
SHEET NUMBER
 E200

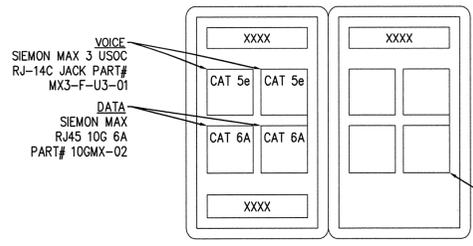
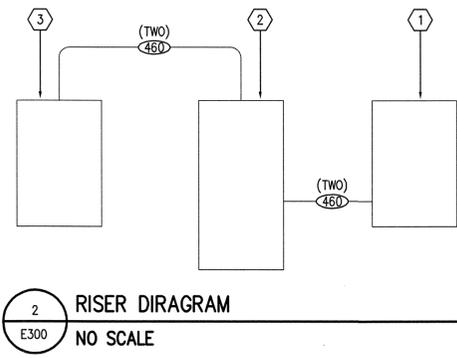
CONDUIT/CONDUCTOR SCHEDULE						
MARK	AMPS	CONDUIT CABLE	CONDUCTOR QTY	CONDUCTOR SIZE	CONDUCTOR INSUL	REMARKS
C212	20	3/4"	2	12	(1)	(1)
C312	20	3/4"	3	12	(1)	(1)
C460	420	3 1/2"	4	600	(1)	(3/2)

NOTE:
 (1) THHN/THWN-2.
 (2) ALL CONDUIT SHALL CONTAIN A SEPARATE EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH THE NEC. TO ACCOUNT FOR PARALLEL RUNS.
 (3) PROVIDE A 1/0 EQUIPMENT GROUND CONDUCTOR EQUIPMENT GROUNDING CONDUCTOR SIZED SUFFICIENT.
 A INDICATES ALUMINUM CONDUCTORS
 T INDICATES YELLOW ISOLATED GROUND CONDUCTOR IN ADDITION TO THE GROUND CONDUCTOR IN NOTE ABOVE.

LUMINAIRE SCHEDULE									
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTS	LAMPS		MOUNTING	VA	NOTES
					QTY	MODEL			
L1	2X4' - FLUORESCENT - RECESSED, INDIRECT LAY-IN	COLUMBIA	STR24-332G-MPO-3EP	120	3	F32T8/SPX35/RS	RECESSED	96 VA	
L1D	2X4' - FLUORESCENT - RECESSED, INDIRECT LAY-IN 2 BALLASTS FOR DUAL LEVEL SWITCHING	COLUMBIA	STR24-332G-MPO-EP	120	3	F32T8/SPX35/RS	RECESSED	96 VA	
L1DE	2X4' - FLUORESCENT - RECESSED, INDIRECT LAY-IN 2 BALLASTS FOR DUAL LEVEL SWITCHING WITH INTEGRAL 1200 LUMEN EMERGENCY BALLAST	COLUMBIA	STR24-332G-MPO-EP	120	3	F32T8/SPX35/RS	RECESSED	96 VA	
L2	COMPACT FLOURESCENT RECESSED, 6" HORIZONTAL SINGLE LAMP, LOW PROFILE	PRESCOLITE	CFT832HEB-STF602H-WT	120	1	32W TT	RECESSED	32 VA	
L2E	COMPACT FLOURESCENT RECESSED, 6" HORIZONTAL SINGLE LAMP, LOW PROFILE WITH INTEGRAL 800 LUMEN EMERGENCY BALLAST	PRESCOLITE	CFT832HEB-STF602H-WT-EL	120	1	32W TT	RECESSED	32 VA	
L3	4' LINEAR DIRECT/INDIRECT FLUORESCENT FIXTURE	ALERA	CVPL-4-2T8-50/50-CM-48-EP-120-SCE	120	2	F32T8/SPX35/RS	SUSPENDED 78" AFF	64 VA	
L3E	4' LINEAR DIRECT/INDIRECT FLUORESCENT FIXTURE WITH INEGRAL 1200 LUMEN EMERGENCY BALLAST	ALERA	CVPL-4-2T8-50/50-CM-48-EP-120-SCE-EL	120	2	F32T8/SPX35/RS	SUSPENDED 78" AFF	64 VA	
L4	8' LINEAR DIRECT/INDIRECT FLUORESCENT FIXTURE	ALERA	CVPL-8-2T8-50/50-CM-48-EP-120-SCE	120	4	F32T8/SPX35/RS	SUSPENDED 78" AFF	128 VA	
L5	LUMINOUS 36" BOWL SUSPENDED PENDANT WITH DUST COVER	SHAPER	1215TR-36-3-39-T5/140-120-SCBA	120	3	39W BX	SUSPENDED 156" AFF	234 VA	
L6	POLYCARBONATE SELF POWERED WHITE EXIT SIGN WITH SELF DIAGNOSTICS AND UNIVERSAL CHEVERON KIT	DUALITE	LX-U-G-W-E	120	N/A	LED (INCLUDED)	UNIVERSAL	5 VA	
L7	2X4' - FLUORESCENT - RECESSED, INDIRECT LAY-IN	COLUMBIA	STR24-232G-MPO-EP	120	2	F32T8/SPX35/RS	RECESSED	64 VA	
L7E	2X4' - FLUORESCENT - RECESSED, INDIRECT LAY-IN WITH INTEGRAL 1200 LUMEN EMERGENCY BALLAST	COLUMBIA	STR24-232G-MPO-EP	120	2	F32T8/SPX35/RS	RECESSED	96 VA	
L8	WALL MOUNTED DECORATIVE SCENCE	SHAPER	611-19-CFL/127/120	120	1	27W CFL	WALL 13'-6" AFF	27 VA	
L9	12' LINEAR DIRECT/INDIRECT FLUORESCENT FIXTURE	ALERA	CVPL-12-2T8-50/50-CM-48-EP-120-SCE	120	6	F32T8/SPX35/RS	SUSPENDED 78" AFF	192 VA	
L10	16' LINEAR DIRECT/INDIRECT FLUORESCENT FIXTURE	ALERA	CVPL-16-2T8-50/50-CM-48-EP-120-SCE	120	8	F32T8/SPX35/RS	SUSPENDED 78" AFF	256 VA	

NOTES: THE FIXTURES LISTED IN THIS SCHEDULE REPRESENT THE QUALITY AND TYPE OF FIXTURES DESIRED. EQUALS OF THOSE MANUFACTURERS NOTED IN THE REMARKS ARE ACCEPTED. FOR THOSE FIXTURES WITHOUT A MANUFACTURE DESIGNATION IN THE REMARK COLUMN THE SUPPLIER MAY SUBMIT A FIXTURE THEY BELIEVE TO BE EQUAL TO THE ONE SPECIFIED. TO BE ACCEPTABLE THE FIXTURES SUBMITTED MUST BE OF THE SAME TYPE AND MATERIAL AS THAT SPECIFIED AND MUST RECEIVE APPROVAL FROM THE ENGINEER BY ADDENDUM PRIOR TO BID.

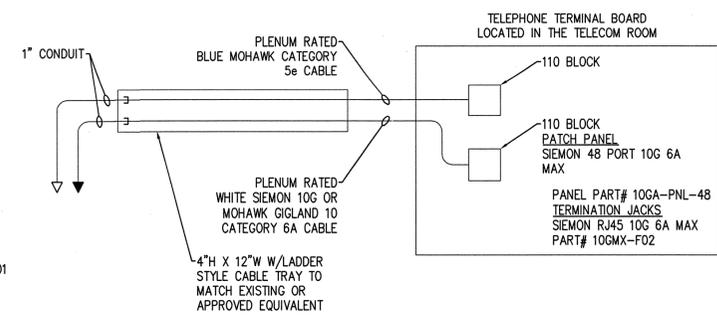
- # KEYED NOTES
- EXISTING 800 AMP MAIN SERVICE BREAKER TO REMAIN AS IS.
 - NEW MDP PANELBOARD.
 - PANELBOARD P5.



MECHANICAL EQUIPMENT SCHEDULE										
MARK	DESCRIPTION	ELECTRICAL							NOTES	
		V/PH	LOAD (kW)	HP	FLA	MCA	MOCP	DISCONNECT SIZE/POLE		FUSE SIZE
AC-1	AIR CONDITIONING UNIT (INDOOR)	208/1				1				3
AC-1	AIR CONDITIONING UNIT (OUTDOOR)	208/1				13	20	30/2	20	1,2

V/PH/Hz = VOLTAGE / PHASE / HERTZ
 MCA = MINIMUM CIRCUIT AMPACITY
 MOCP = MAXIMUM OVER CURRENT PROTECTION LISTED BY THE MANUFACTURER

NOTES:
 (1) PROVIDE FUSED DISCONNECT WITH FUSE SIZED TO THE MAX. LISTED BY THE MANUFACTURER.
 (2) PROVIDE SQUARE D NEMA 3R FUSED DISCONNECT PART NUMBER D221NR8 OR APPROVED EQUIVALENT.
 (3) UNIT FED FROM AC-1 OUTDOOR UNIT.



ELECTRICAL SCHEDULE														
PANEL	DESCRIPTION	VOLTAGE	PHASE	WIRES	MOUNTING	FEED	800 AMP	DIMS.	SPECIAL EQUIPMENT					
										W	D	H		
C	MDP	208Y/120	3	4	FLUSH	TOP	x	8.25"	X GROUND BUS SUB-FEED BRKR NEMA 3R SURGE PROTECTOR					
LOCATION: AIC AMPS X SURFACE X BOTTOM BREAKER 73" H														
CIR NO.	CIRCUIT DESCRIPTION	CODELTS	CO	MIS	BRKR P	WIRE SIZE	CIRCUIT LOAD	COMBINED PHASES A B C	CIRCUIT WIRE BRKR LOAD SIZE	OUTLETS MIS/CO LTS CODE	CIRCUIT DESCRIPTION	CIR NO.		
1	PANEL 1 2nd FLR	4			3	200			0	200	3	4	PANEL 7	4
2	PANEL 2 1st FLR	4			3	150			0	200	3	4	PANEL 8	10
3	PANEL 3	4			3	200			0	150	3	4	PANEL 9	16
4	PANEL A	4			3	150			0	200	3	4	ELEVATOR	22
5	N PNL 2nd FLR	4			3	200			0	200	3		SPACE	28
6	MAIL RM PNL	4			3	200			0				SPACE	34
7	PANEL P5	1	1	3	200		10037	10037	8637	8637			SPACE	38
8							9437	9437	8437				SPACE	42

NOTES:
 - PROVIDE 63 INCHES OF AVAILABLE BREAKER
 - PROVIDE NEW BREAKERS WITH SAME AIC RATING AS THE EXISTING BREAKERS
 - PANEL AIC SHALL MATCH DEMOLISHED DISTRIBUTION PANEL

THIS PANEL, ALL OF ITS LUGS, BREAKERS, ETC. SHALL BE RATED FOR 75°C

ELECTRICAL SCHEDULE															
PANEL	DESCRIPTION	VOLTAGE	PHASE	WIRES	MOUNTING	FEED	200 AMP	DIMS.	SPECIAL EQUIPMENT						
										W	D	H			
P5	NOOD	208Y/120	3	4	FLUSH	X TOP	x	5.75"	X GROUND BUS SUB-FEED BRKR NEMA 3R SURGE PROTECTOR						
LOCATION: AIC 65K AMPS X SURFACE BOTTOM BREAKER 35" H															
CIR NO.	CIRCUIT DESCRIPTION	CODELTS	CO	MIS	BRKR P	WIRE SIZE	CIRCUIT LOAD	COMBINED PHASES A B C	CIRCUIT WIRE BRKR LOAD SIZE	OUTLETS MIS/CO LTS CODE	CIRCUIT DESCRIPTION	CIR NO.			
11	CLASSROOM	18	1	20	10	1728	2268		1512	2268	1000	10	20	1	OFFICE 132.133
3	CORRIDOR/OFFICE	19	1	20	10	1152					360	10	20	1	RECEPTION 130
5	CORRIDOR 108	22	1	20	10	1088					1200	10	20	1	VENDING CO
7	OFFICE LTS	12	1	20	12	1216	2216				1000	10	20	1	WTR COOLER
9	VESTIBULE 125	22	1	20	12	832		1332			500	12	20	1	CORRIDOR TV
11	NE OPEN OFFICE	15	1	20	10	860		1680			720	10	20	1	RECEPTION 113
13	SYST FURN		1	1	20	12	1200	1560			360	10	20	1	RECEPTION 113
15	SYST FURN		1	1	20	12	1200	2700			1500	10	20	1	MEDIA RM COS
17	SYST FURN		1	1	20	12	1200	2700			1500	10	20	1	MEDIA RM COS
19	SYST FURN		1	1	20	12	1200	2700			1500	10	20	1	MEDIA RM COS
21	SYST FURN		1	1	20	12	1200	2700			1500	10	20	1	MEDIA RM COS
23	SYST FURN		1	1	20	12	1200	1740			540	12	20	1	CLASSROOM CO
25	OFFICE COS	3	1	20	12	540	1740				1200	10	20	1	CLASSROOM CO
27	OFFICE/RECEPTION	14	1	20	12	705	1905				1200	10	20	1	CLASSROOM CO
29	OFFICE COS	4	1	20	10	720	1920				1200	10	20	1	CLASSROOM CO
31	OFFICE COS	5	1	20	10	900	1400				500	12	20	1	CLASSROOM CO
33	OFFICE COS	4	1	20	10	720	1440				720	12	20	1	OFFICE COS
35	OFFICE COS	4	1	20	10	720	2400				1680	20	1	1	AC-1
37	OFFICE COS	3	1	20	10	540	1040				500	12	20	1	CORRIDOR TV
39	SPARE										20				SPACE
41	SPARE										20				SPACE

NOTES:
 - PROVIDE LOCK OFF DEVICE
 - THIS PANEL, ALL OF ITS LUGS, BREAKERS, ETC. SHALL BE RATED FOR 75°C

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