

# CHILES HALL 3RD FLOOR - BUSINESS TECHNOLOGY CENTER IMPROVEMENT UNIVERSITY OF OREGON LUNDQUIST COLLEGE OF BUSINESS

EUGENE, OREGON

## CONSTRUCTION DOCUMENTS

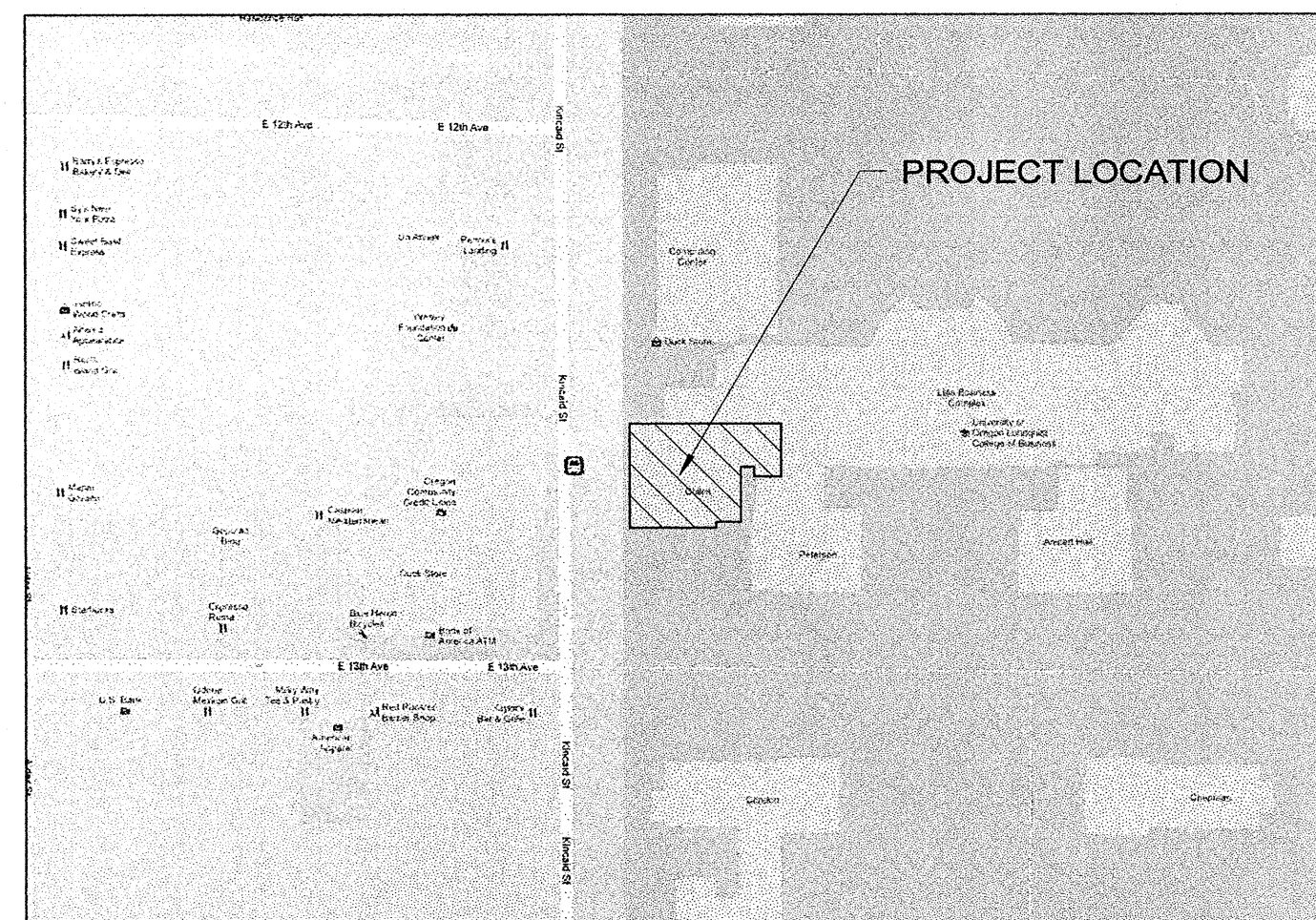
6.6.2012



### ARCHITECTURAL ABBREVIATIONS

@	AT
AB	ANCHOR BOLT
AC	ASPHALTIC CONCRETE
ACOUS	ACOUSTIC
ACT	ACOUSTICAL TILE CEILING SYSTEM
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
BLDG	BUILDING
BO	BOTTOM OF
CB	CATCH BASIN
CFCI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CPT	CARPET
DBL	DOUBLE
DEMO	DEMOLITION/DEMOLISH
DF	DOUGLAS FIR, DRINKING FOUNTAIN
DIAG	DIAGONAL
DIA	DIAMETER
DISP	DISPENSER
DN	DOWN
DS	DOWNSPOUT
DTL	DETAIL
DWNG	DRAWING
(E)	EXISTING
EA	EACH
EJ	EXPANSION JOINT
EL ELEV	ELEVATION
ELEC	ELECTRICAL
EQ	EQUAL
EW	EACH WAY
EXT	EXTERIOR
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEIC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FIN	FINISH/FINISHED
FLR	FLOOR
FO	FACE OF
FRP	FIBER REINFORCED PANEL
FTG	FOOTING
GA	GAUGE
GB	GRAB BAR
GLB	GLUE LAM BEAM
GYP BD	GYPSUM BOARD
HGT	HEIGHT
HORIZ	HORIZONTAL
HR	HANDRAIL
HM	HOLLOW METAL
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
KD	KNOCK DOWN
LAV	LAVATORY
LOC	LOCATION
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIMENSION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OFS	OUTSIDE FACE OF STUD
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
P LAM	PLASTIC LAMINATE
PS	PAINT SYSTEM
PT	PRESSURE TREATED
PTD	PAINTED
PLY	PLYWOOD
R	RADIUS
RB	RUBBER BASE
RD	ROOF DRAIN
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RUB	RUBBER
SD	STORM DRAIN
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPECS	SPECIFICATIONS
SOFT. SF	SQUARE FOOT
S STL	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUC	STRUCTURAL
T&B	TOP & BOTTOM
T&G	TONGUE AND GROOVE
TEMP	TEMPERED, TEMPORARY
TO	TOP OF
TOC	TOP OF CONCRETE
TOW	TOP OF WALL
TOS	TOP OF STRUCTURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VFY	VERIFY
WA	WALL ASSEMBLY
W	WITH
WD	WOOD
WP	WATER PROOF

### VICINITY MAP



### ARCHITECTURAL SYMBOLS

1/4" = 1'-0"

	BUILDING ELEVATION
	INTERIOR ELEVATION
	BUILDING SECTION
	DETAIL BUBBLE
	DETAIL SECTION
	VERTICAL ELEVATION
	ROOM NAME & NUMBER
	WINDOW SYMBOL
	DOOR SYMBOL
	CEILING HEIGHT SYMBOL
	WALL ASSEMBLIES
	KEYNOTE
	FIRE EXTINGUISHER & CABINET

### PROJECT TEAM

#### OWNER

UNIVERSITY OF OREGON - FACILITIES SERVICES  
1276 UNIVERSITY OF OREGON  
EUGENE, OR 97403  
PHONE: (541) 348-5259  
CONTACT: JANET LOBUE

#### ARCHITECT

PIVOT ARCHITECTURE PC  
44 WEST BROADWAY, SUITE 300  
EUGENE, OR 97401  
PHONE: (541) 342-7291 FAX: (541) 342-1535  
CONTACT: CURT WILSON

#### STRUCTURAL ENGINEER

HOHBACK-LEWIN, INC.  
295 EAST 5TH STREET, SUITE 302  
EUGENE, OR 97401  
PHONE: (541) 349-1701  
CONTACT: VIKKI BOURCIER

#### MECHANICAL/ELECTRICAL ENGINEER

SYSTEMS WEST ENGINEERS, INC.  
411 HIGH STREET  
EUGENE, OR 97401  
PHONE: (541) 342-7210  
MECHANICAL CONTACT: JEFF GRAPER  
ELECTRICAL CONTACT: STEVE HOFFMAN

### SHEET INDEX

#### GENERAL:

TITLE	TITLE SHEET
G011	CODE REVIEW INFORMATION

#### ARCHITECTURAL:

D101	DEMOLITION FLOOR PLAN
D121	DEMOLITION REFLECTED CEILING PLAN
A101	3RD FLOOR PLAN
A121	3RD FLOOR REFLECTED CEILING PLAN
A151	FURNITURE PLAN
A321	BUILDING DETAILS
A411	INTERIOR ELEVATIONS
A451	CASEWORK DETAILS
A501	DOOR/WINDOW INFORMATION

#### MECHANICAL:

M001	LEGEND AND DETAILS
M101	PARTIAL 3RD FLOOR DEMOLITION PLAN
M121	PARTIAL 3RD FLOOR AIR DISTRIBUTION PLAN
M141	PARTIAL 3RD FLOOR FIRE PROTECTION

#### ELECTRICAL:

E001	LEGEND, GENERAL NOTES AND LUMINAIRE SCHEDULE
E101	PARTIAL 3RD FLOOR DEMOLITION PLAN
E111	PARTIAL 3RD FLOOR LIGHTING PLAN
E121	PARTIAL 3RD FLOOR POWER AND SIGNAL PLAN

PROJECT NO:	1210	REVISIONS:	
DATE:	6.6.2012	DRWN:	KDH
CHECKED:		CW	
TITLE			

PROJECT NO:	1210	REVISIONS:	
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DRAWN:		CW:	
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REFERENCED CODES & STANDARDS

- 2010 OREGON STRUCTURAL SPECIALTY CODE (OSSC), BASED ON THE 2006 INTERNATIONAL BUILDING CODE (IBC)
- 2010 OREGON MECHANICAL SPECIALTY CODE (OMSC), BASED ON THE 2006 INTERNATIONAL MECHANICAL CODE
- 2010 OREGON PLUMBING SPECIALTY CODE (OPSC), BASED ON THE 2006 UNIFORM PLUMBING CODE
- 2010 ELECTRICAL CODE, BASED ON THE 2008 NFPA 70-NEC
- 2010 OREGON FIRE CODE, BASED ON THE INTERNATIONAL FIRE CODE WITH OREGON AMENDMENTS (IFC)
- SEE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL REFERENCED CODES AND STANDARDS NOT LISTED HERE

CODE OFFICIAL INFORMATION

ADDRESS:  
1276 UNIVERSITY OF OREGON  
EUGENE, OR 97403

AUTOMATIC FIRE SPRINKLER SYSTEM:  
YES - TO BE PROVIDED PER SECTION 903.1

OCCUPANCY:  
B - BUSINESS GROUP - OFFICE

CONSTRUCTION TYPE AND ALLOWABLE AREA:  
TYPE III

ALLOWABLE FLOOR AREA: BASED ON ASSUMPTION THAT ENTIRE BUILDING IS B.

PER SECTION 506:  
B At = 19,000 sf If = .42 Is = 2

Aa = (19,000 + [19,000 x .42] + [19,000 x 2]) = 64,980 SF PER FLOOR

Aa (ALLOWABLE AREA WITH INCREASE) = 64,980 SF PER FLOOR  
PROPOSED FLOOR AREA: 6,046 SF ON (1) FLOOR

FIRE EXTINGUISHERS:  
MOUNTING HEIGHT - 54" TO TOP OF CABINET  
48" TO TOP OF EXTINGUISHERS, IF NOT IN CABINET.

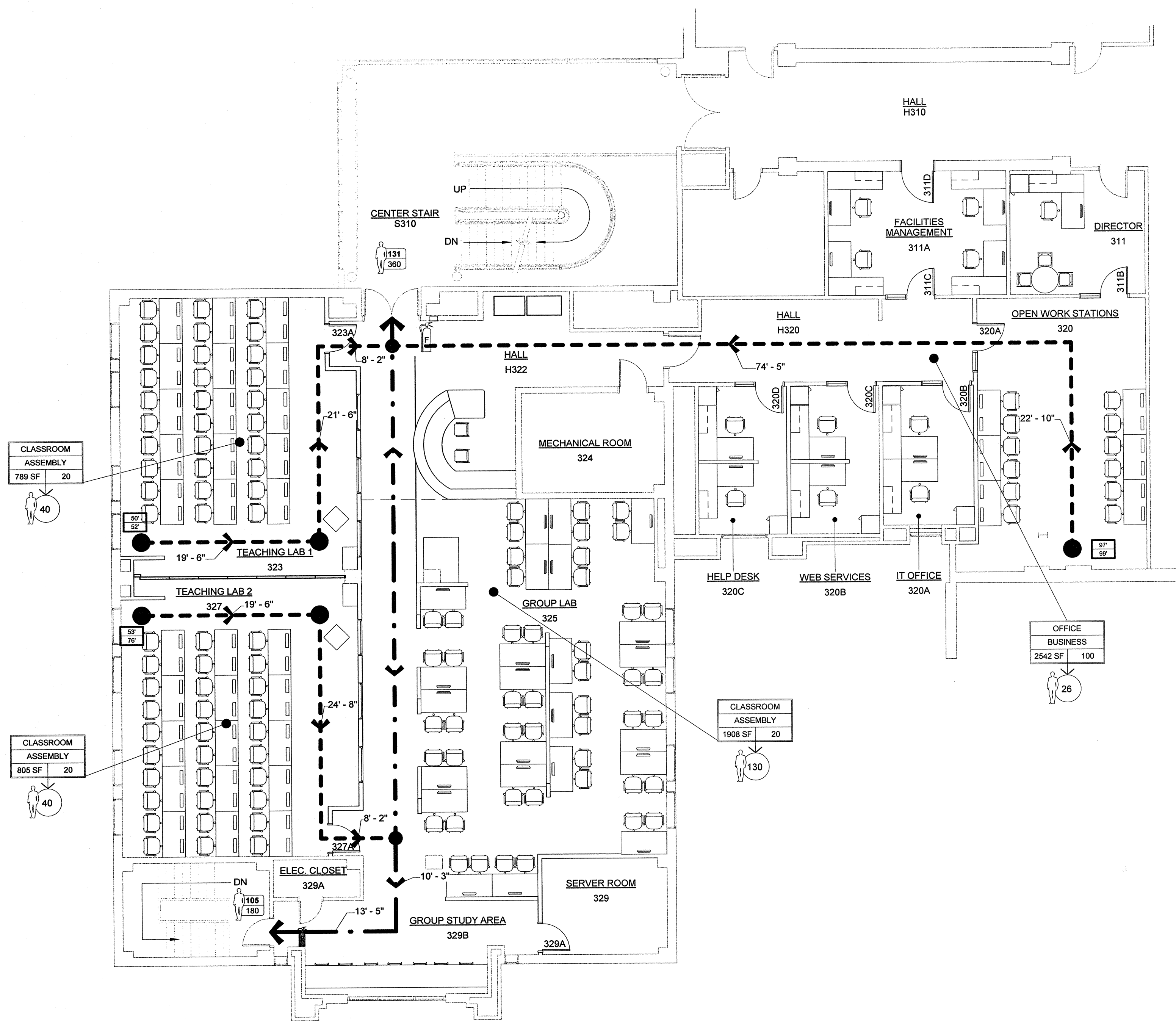
TYPES - ADMIN OFFICES - LIGHT HAZARD

LOCATIONS - SEE G011 AND FLOOR PLANS FOR LOCATIONS OF FIRE EXTINGUISHERS.  
PORTABLE FIRE EXTINGUISHERS TO BE LOCATED WITH MAXIMUM TRAVEL DISTANCE OF 75' PER INTERNATIONAL FIRE CODE SECTION 906

DEFERRED SUBMITTALS:  
1. NONE.

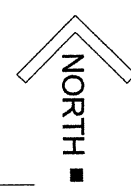
OCCUPANCY STATISTICS LEGEND

- NAME
  - BUILDING USE
  - OCCUPANT LOAD FACTOR
  - AREA IN SQUARE FT
  - NUMBER OF OCCUPANTS
  - NUMBER OF OCCUPANTS USING EXIT
  - MAXIMUM NUMBER OF OCCUPANTS ALLOWED PER TABLE 1005.1: CLEAR DOOR WIDTH X 5 WHERE 5 = 5 PER INCH OF WIDTH (1/0.2) FOR SPRINKLERED BUILDINGS
  - COMMON PATH OF EGRESS (1014.3): THE DISTANCE TO POINT WHERE TWO EXIT PATHS ARE AVAILABLE B=100' (SPRINKLERED BLDG) AND A=75'
  - MAXIMUM TRAVEL DISTANCE (1016.1): DISTANCE TO NEAREST EXTERIOR EGRESS DOOR B=300' (SPRINKLERED BLDG) OR EXIT ENCLOSURE
  - COMMON PATH OF TRAVEL (1014.3)
  - TWO EXIT OPTIONS
  - POINT WHERE TWO PATHS OF EGRESS BEGINS
  - DIRECTION OF TRAVEL
  - NEW FIRE EXTINGUISHER & CABINET
  - EXISTING FIRE EXTINGUISHER
- REFER TO ELECTRICAL DRAWINGS FOR EXIT SIGN LOCATIONS

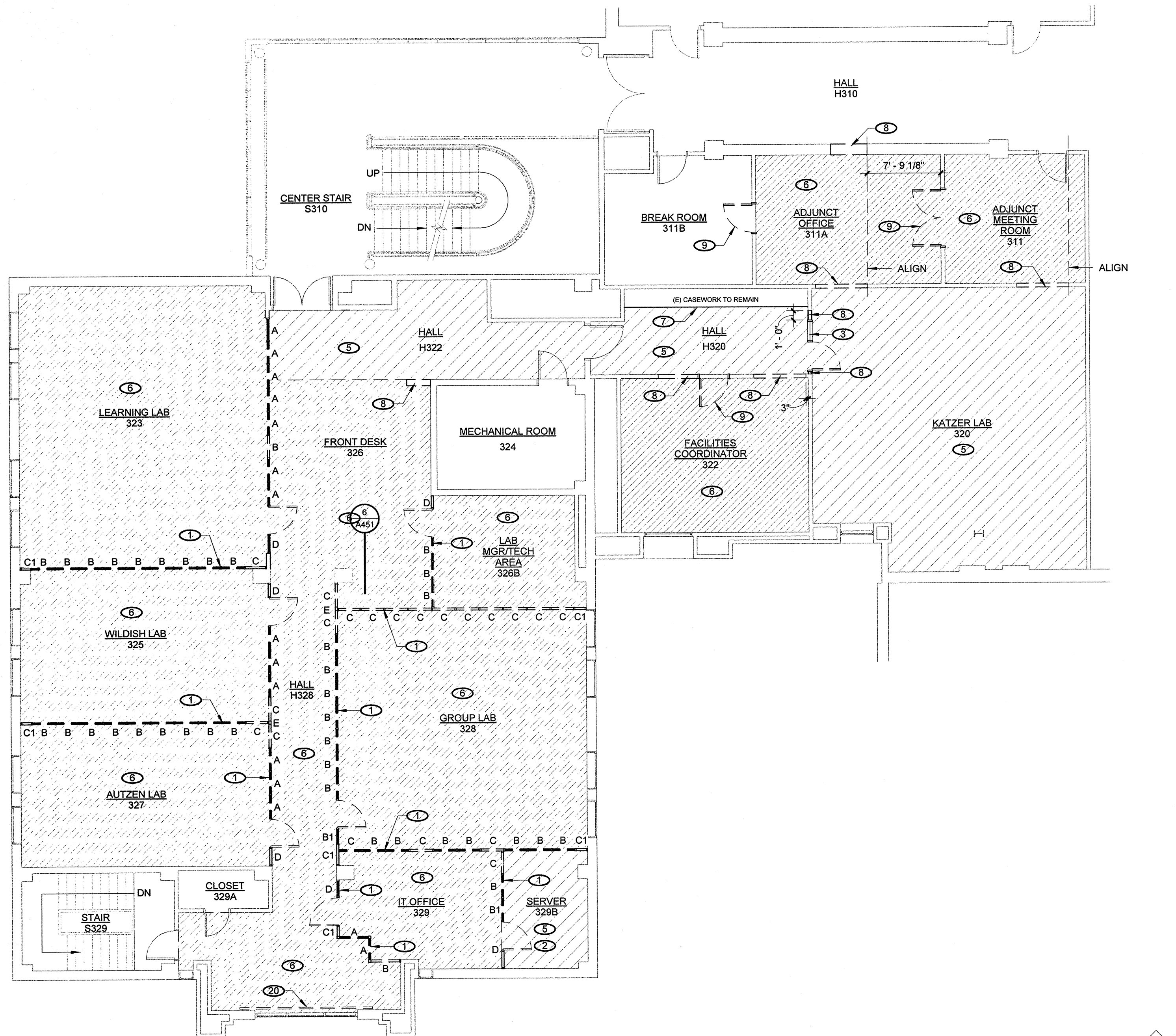


**1** EGRESS PLAN

1/8" = 1'-0"







**1 DEMOLITION FLOOR PLAN**  
1/8" = 1'-0"



**GENERAL NOTES**

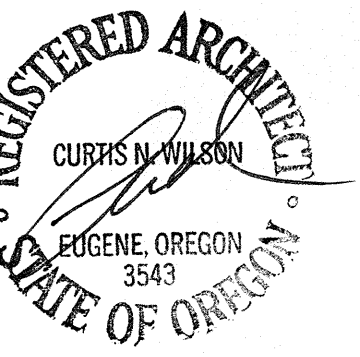
- A REMOVE AND DISPOSE OF EXISTING RUBBER BASE THROUGHOUT AREAS OF WORK.
- B REFERENCE ELECTRICAL DRAWINGS FOR ITEMS TO BE DEMOLISHED, REMOVED, AND/OR SALVAGED.
- C REFERENCE MECHANICAL DRAWINGS FOR ITEMS TO BE DEMOLISHED, REMOVED, AND/OR SALVAGED.

**KEYNOTE LEGEND**

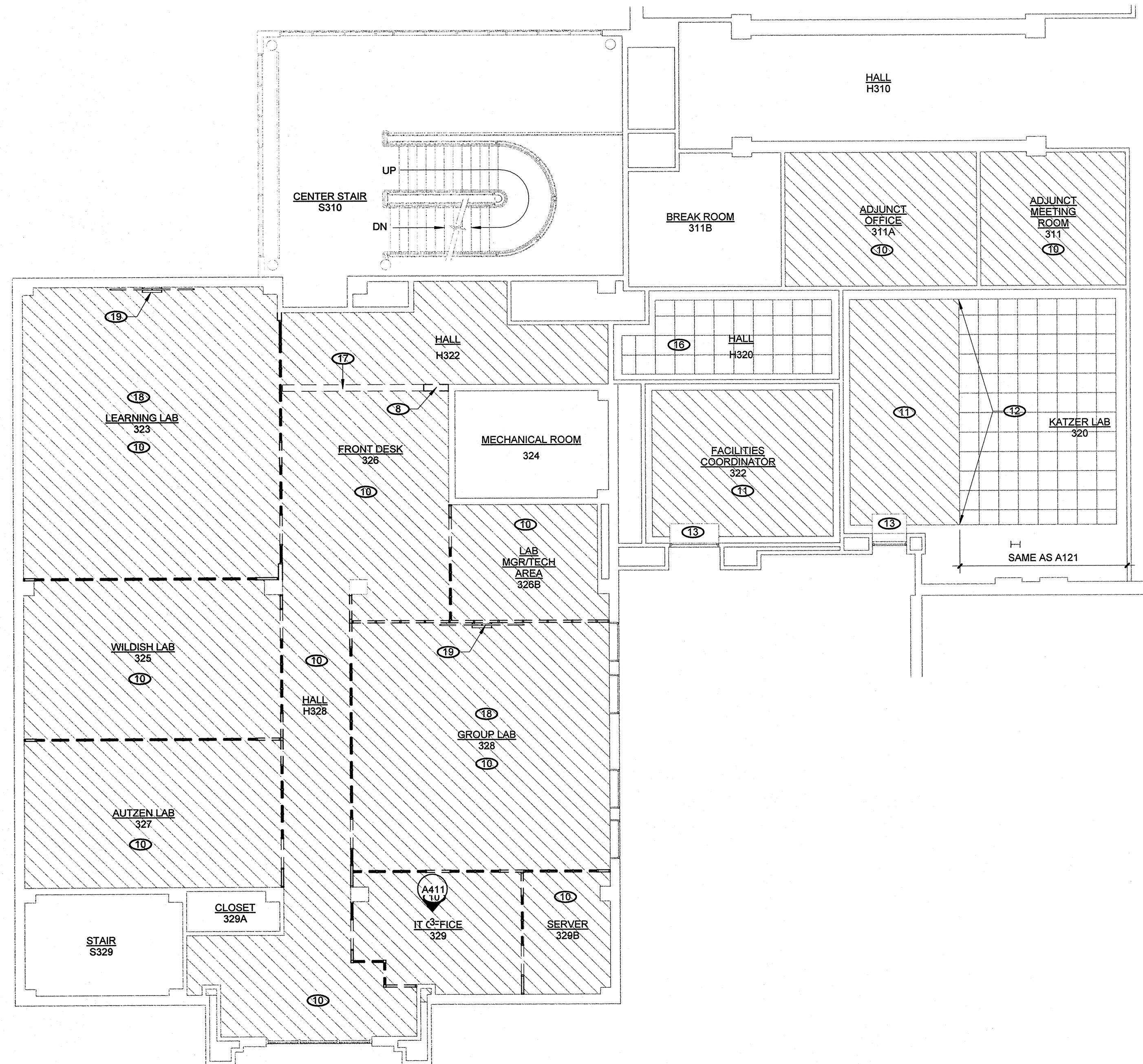
- 1 REMOVE EXISTING DEMOUNTABLE PARTITION WALLS. PROTECT AND SAVE FOR FUTURE RE-USE. LETTERS SHOWN INDICATE DIFFERENT PANEL TYPES WITHIN DEMOUNTABLE PARTITION SYSTEM.
- 2 OWNER TO REMOVE EXISTING SERVER PRIOR TO CONSTRUCTION. VERIFY THIS HAS BEEN COMPLETED WITH OWNER PRIOR TO ANY WORK IN THIS ROOM.
- 3 REMOVE EXISTING DOOR AND FRAME. PROTECT AND SAVE DOOR AND FRAME FOR FUTURE USE
- 5 DEMO ALL EXISTING VCT FLOORING
- 6 DEMO EXISTING CARPET
- 7 REMOVE FLOORING UP TO EDGE OF EXISTING CASEWORK
- 8 DEMO PORTION OF EXISTING WALL
- 9 REMOVE EXISTING DOOR AND FRAME. SALVAGE PER OWNER'S INSTRUCTIONS.
- 20 DEMO EXISTING METAL RAILING

**DEMO FILL PATTERNS**

- EXISTING CARPET
- EXISTING VCT
- AREAS NOT TO RECEIVE WORK



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CHECKED:		CHECKED:	GW



**1 DEMO REFLECTED CEILING PLAN**  
1/8" = 1'-0"




**GENERAL NOTES**

- A REFERENCE ELECTRICAL DRAWINGS FOR ITEMS TO BE DEMOLISHED, REMOVED, AND/OR SALVAGED.
- B REFERENCE MECHANICAL DRAWINGS FOR ITEMS TO BE DEMOLISHED, REMOVED, AND/OR SALVAGED.

**KEYNOTE LEGEND**

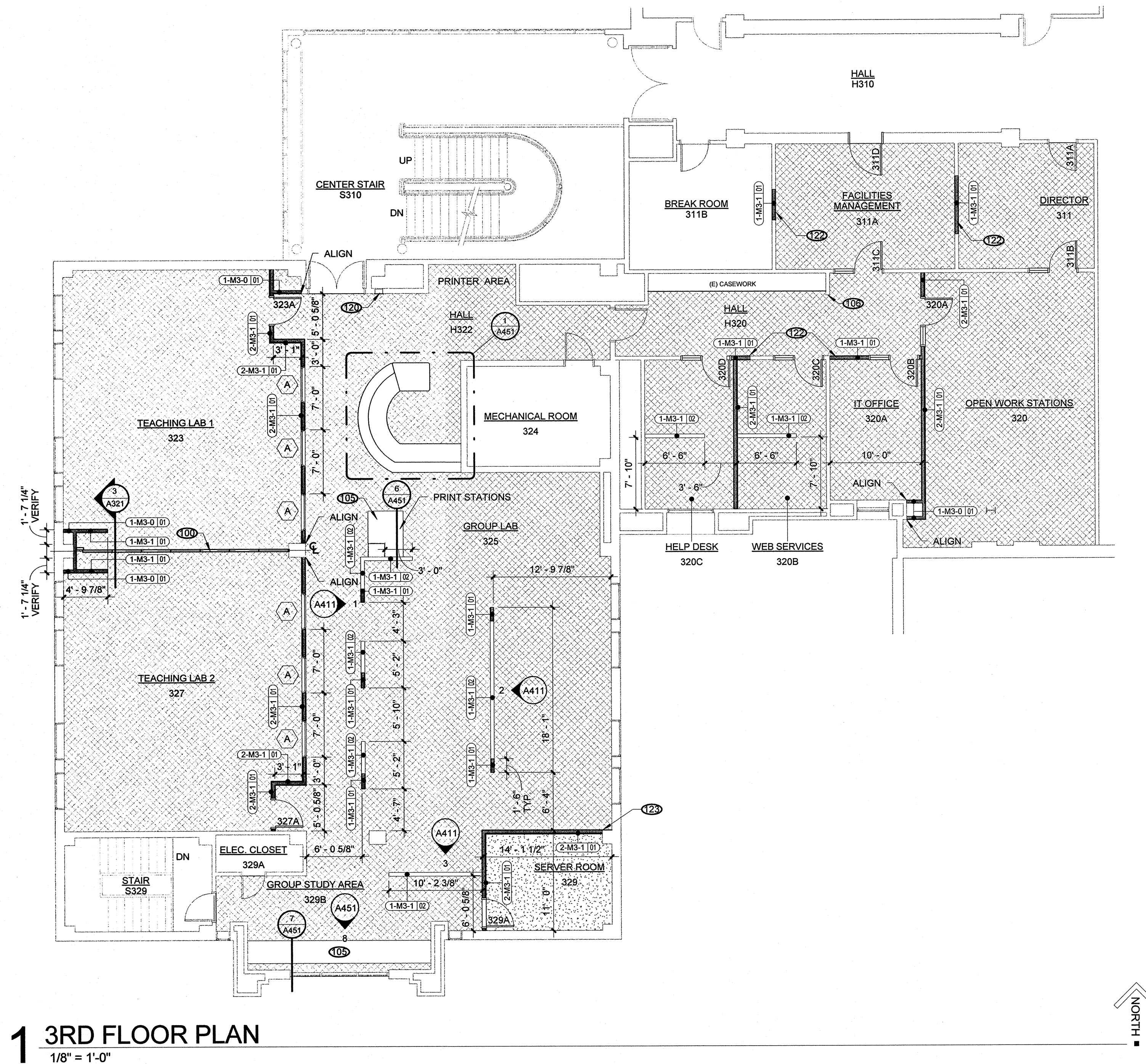
- 8 DEMO PORTION OF EXISTING WALL.
- 10 REMOVE EXISTING SUSPENDED CEILING SYSTEM.
- 11 REMOVE EXISTING SUSPENDED CEILING SYSTEM. PROTECT AND SAVE CEILING TILES FOR FUTURE RE-USE.
- 12 REMOVE PART OF EXISTING SUSPENDED CEILING CLOUD. PROTECT PORTION TO REMAIN. REINFORCE AS NEEDED TO MAINTAIN CEILING STRUCTURE.
- 13 REMOVE AND PROTECT EXISTING LIGHT SHELVES FOR REINSTALLATION.
- 16 THIS AREA TO REMAIN. PROTECT CEILING AND LIGHT FIXTURE DURING CONSTRUCTION.
- 17 DEMO EXISTING BULK HEAD.
- 18 REMOVE ALL EXISTING CEILING MOUNTED PROJECTORS. SALVAGE FOR OWNERS INSTRUCTIONS.
- 19 REMOVE WALL MOUNTED PROJECTION SCREEN. SALVAGE PER OWNER'S INSTRUCTIONS.

**CEILING FILL PATTERNS**

-  EXISTING CEILING SYSTEM TO REMAIN
-  DEMOLISH EXISTING CEILING SYSTEM
-  CEILING AREAS NOT TO RECEIVE WORK

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**1 3RD FLOOR PLAN**  
1/8" = 1'-0"

**GENERAL NOTES**

- A INSTALL NEW RUBBER WALL BASE AT ALL NEW AND EXISTING WALLS.
- B NEW WALL TEXTURE TO MATCH EXISTING.
- C ALL NEW AND EXISTING WALLS TO BE PAINTED. ARCHITECT TO SELECT ONE COLOR FOR ALL WALLS.

**KEYNOTE LEGEND**

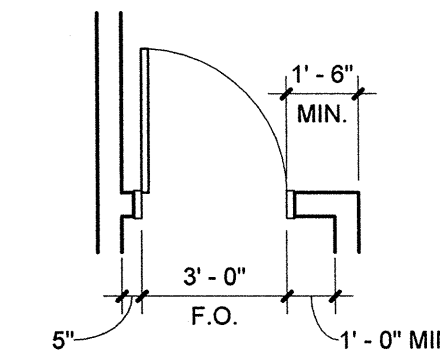
- 100 OPERABLE PARTITION WALL, CENTER WALL AND SUPPORT BEAM ON (E) COLUMN
- 105 CASEWORK FURNITURE
- 106 FINISH WALL FACE TO MATCH EXISTING
- 118 EXISTING FURNITURE TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR (GRAY AREAS), TYP.
- 120 NEW WALL MOUNTED FIRE EXTINGUISHER AND CABINET
- 122 MATCH INFILL TO EXISTING WIDTH OF WALL, THIS OVERRIDES WALL TAG
- 123 ALIGN FACE OF STUD WITH COLUMN EDGE AND EXTEND GYPSUM BOARD PAST COLUMN TO (E) WALL

**FLOOR PLAN FILL PATTERNS**

- NEW CARPET TILE
- AREAS NOT TO RECEIVE NEW FLOOR FINISH
- ANTI-STATIC RUBBER TILE

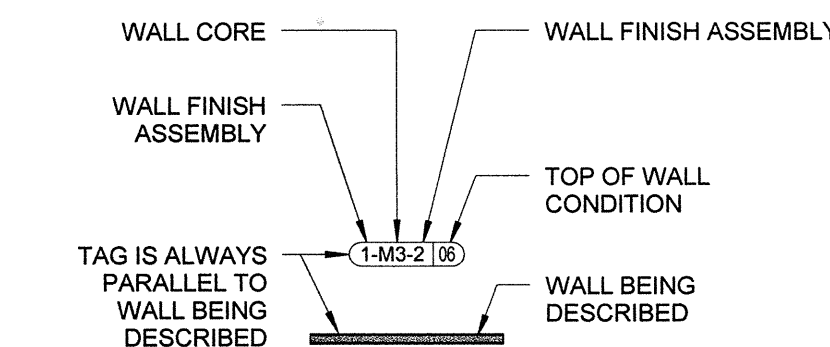
**FRAMING NOTES**

- A. ALL DIMENSIONS ARE TO FACE OF STUD, U.N.O.
- B. DIMENSIONS FROM DOOR JAMB FRAME OPENING TO CLOSEST WALL IS 5", U.N.O. SEE DIAGRAM BELOW



- C. SEE PLAN DETAILS FOR PLACEMENT OF SOME WALLS. DIMENSIONS ARE NOT GIVEN FOR ALL WALLS, BUT PLAN DETAILS SHOW WHERE TO LOCATE STUDS AND GYPSUM BOARD.

**WALL ASSEMBLY TAG**



**READING THE TAG:**

AT SYMMETRICAL WALLS THE DOT POINTS TO THE CENTER OF THE WALL.

AT ASYMMETRICAL INTERIOR WALLS, ASSEMBLY ORDER STARTS ON SIDE INDICATED WITH DOT AND TAG NOTATIONS READ LEFT TO RIGHT.

IN THE ABOVE EXAMPLE, THE ASSEMBLY ON THE INDICATED SIDE IS "1", THE CORE IS "M3" AND THE FINISH FURTHEST FROM THE DOT IS "2"

**WALL CORES:**

M3 3-5/8" METAL STUD FRAMING (16" O.C.) / ACOUSTICAL INSULATION

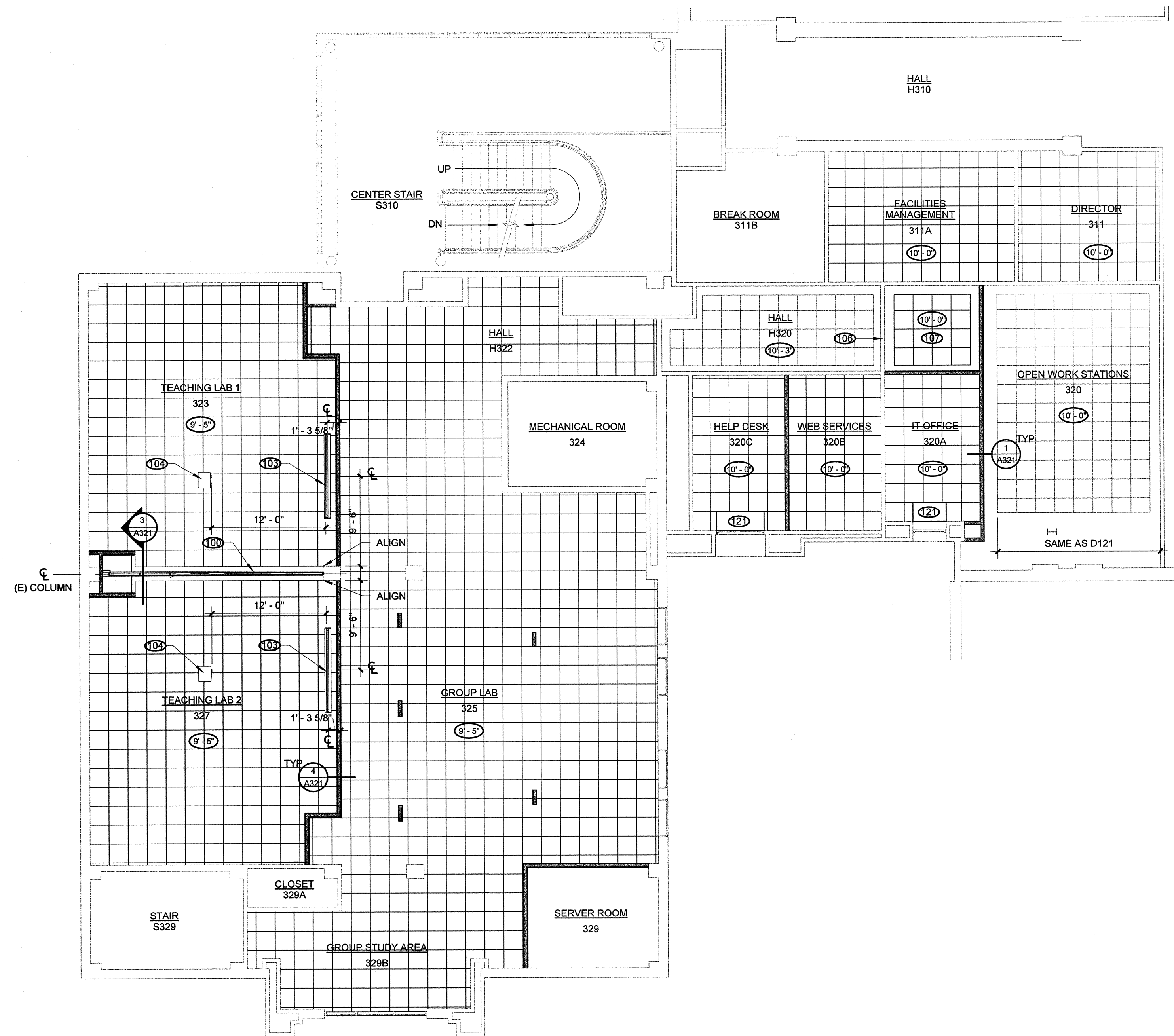
**INTERIOR WALL FINISH ASSEMBLIES:**

- 0 NO FINISH ASSEMBLY - CORE IS EXPOSED
- 1 GYPSUM BOARD
- 2 (2) LAYERS GYPSUM BOARD

**TOP OF WALL CONDITIONS:**

- 01 ACOUSTICAL WALL: EXTEND CORE AND FINISH ASSEMBLIES TO UNDERSIDE OF STRUCTURE OR DECK. ACOUSTICAL SEALANT AT TOP, BASE, & INTERSECTIONS.
- 02 PARTIAL HEIGHT PARTITION.

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**1 3RD FLOOR REFLECTED CEILING PLAN**  
1/8" = 1'-0"



**GENERAL NOTES**

- A REFERENCE ELECTRICAL DRAWINGS FOR LIGHTING LAYOUT AND OTHER CEILING MOUNTED DEVICES.
- B REFERENCE MECHANICAL DRAWINGS FOR DIFFUSER LAYOUT AND OTHER CEILING MOUNTED DEVICES.
- C MATCH HEIGHT OF (E) CEILING, WHICH IS ASSUMED TO BE 9'-5" AFF IN CHILES HALL AND 10'-0" AFF IN LILLIS HALL.

**KEYNOTE LEGEND**

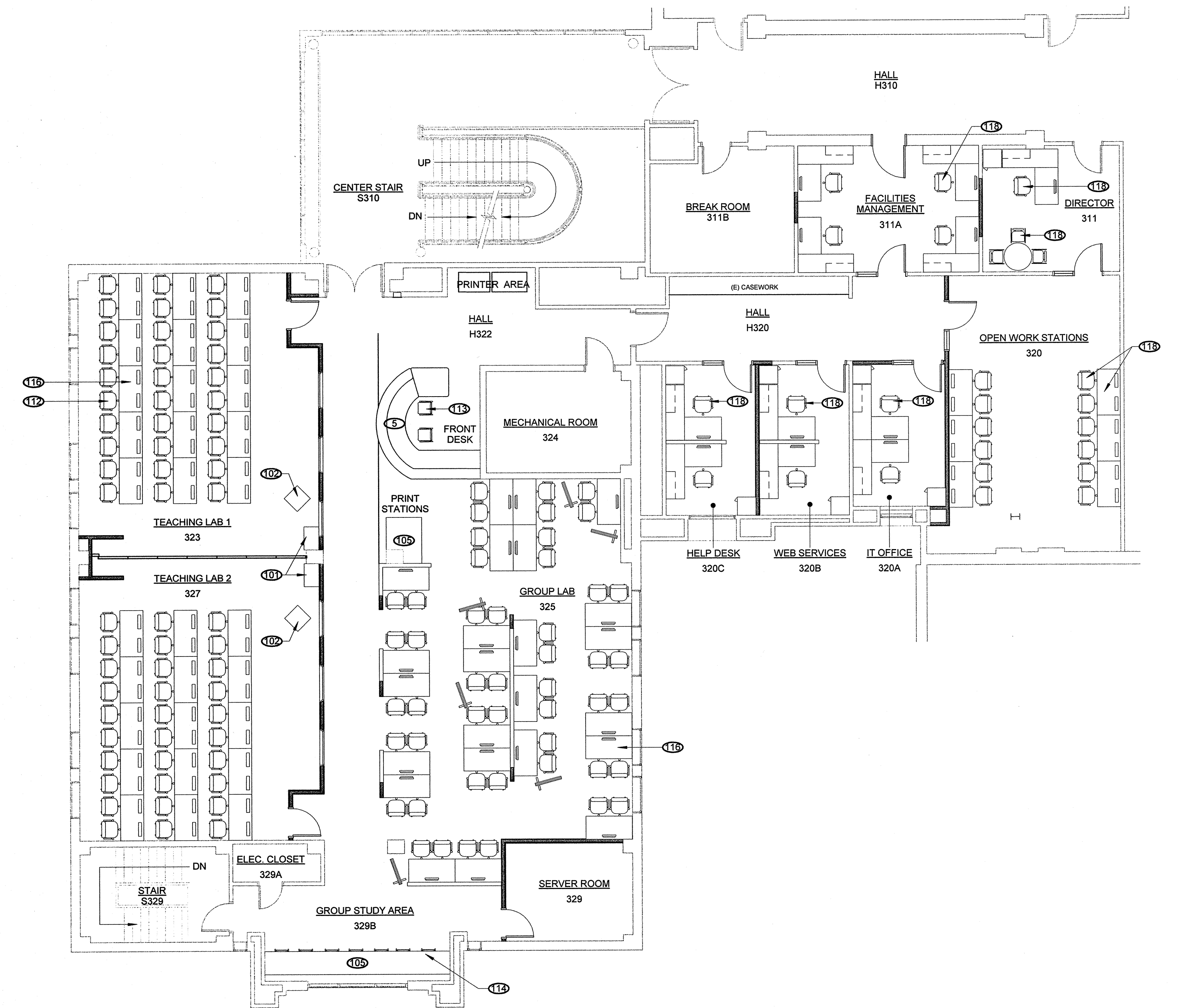
- 100 OPERABLE PARTITION WALL, CENTER WALL AND SUPPORT BEAM ON (E) COLUMN
- 103 OFCI MOTORIZED PROJECTION SCREEN ANTICIPATED TO BE DA-LITE CEILING RECESSED ELECTRIC SCREEN WITH CLOSURE DOORS. COORDINATE POWER WITH ELECTRICAL
- 104 PROJECTOR, OFCI. COORDINATE POWER AND DATA WITH ELECTRICAL.
- 106 FINISH WALL FACE TO MATCH EXISTING
- 107 NEW SUSPENDED CEILING CLOUD TO MATCH EXISTING. ALIGN EDGES AND MATCH OFFSET FROM WALL TO ADJACENT SUSPENDED CEILING CLOUDS
- 121 REINSTALL (E) LIGHT SHELVES

**CEILING FILL PATTERNS**

- EXISTING CEILING SYSTEM TO REMAIN
- NEW CEILING SYSTEM
- AREAS NOT TO RECEIVE NEW CEILING SYSTEMS

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**1 FURNITURE PLAN**  
1/8" = 1'-0"



**GENERAL NOTES**

- A ALL NEW FURNITURE SHOWN ON PLAN TO CFCI.
- (E) FURNITURE SHOWN IN GRAY TO BE OFCI.

**KEYNOTE LEGEND**

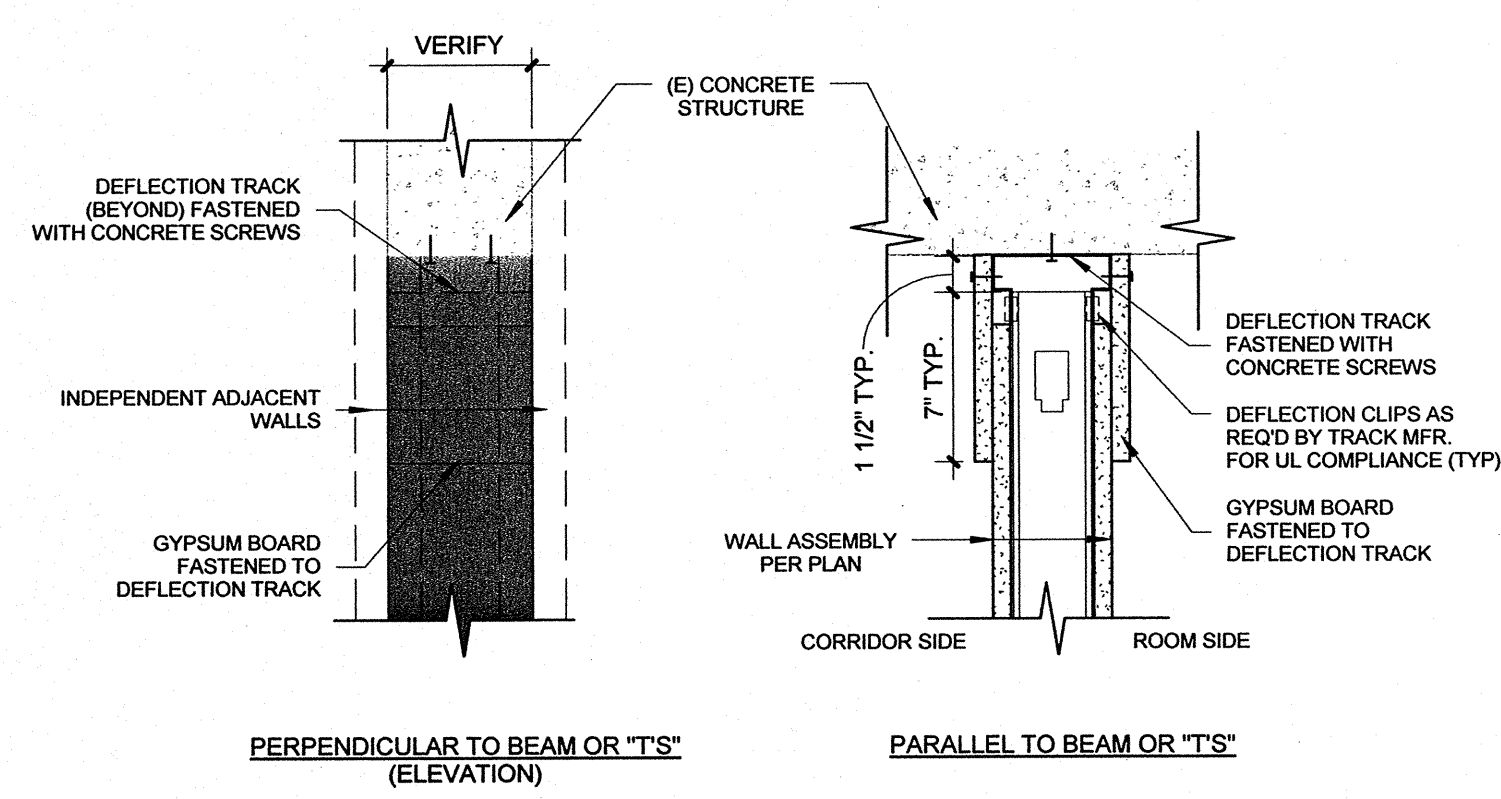
- 5 DEMO ALL EXISTING VCT FLOORING
- 101 AV CABINET, OFOI
- 102 PODIUM, OFOI
- 105 CASEWORK FURNITURE
- 112 WORK CHAIR, TYP.
- 113 TASK STOOL, TYP.
- 114 COUNTER STOOL, TYP.
- 115 MOBILE MARKER BOARD, TYP.
- 116 WORK TABLE, TYP.
- 117 PRIVATE OFFICE FURNITURE & COORDINATED STORAGE, TYP.
- 118 EXISTING FURNITURE TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR (GRAY AREAS), TYP.



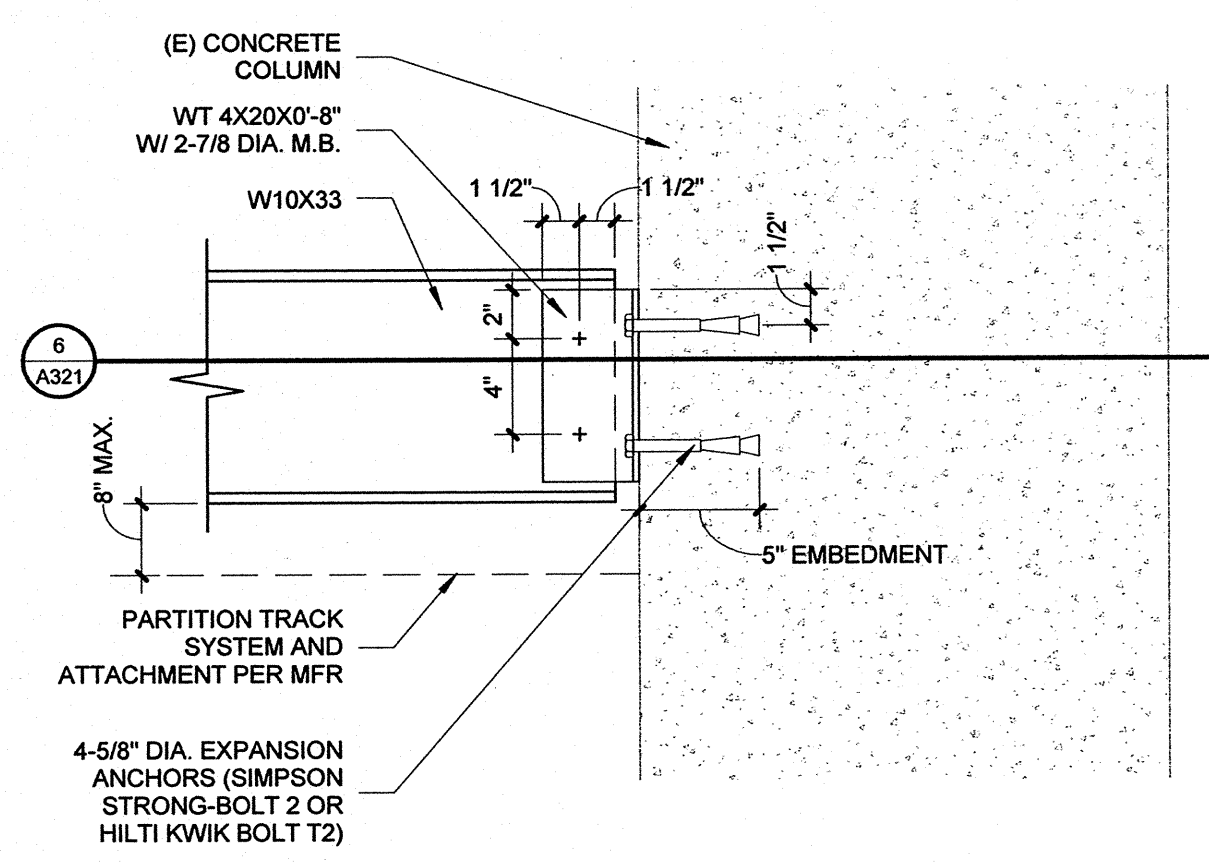
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FURNITURE PLAN

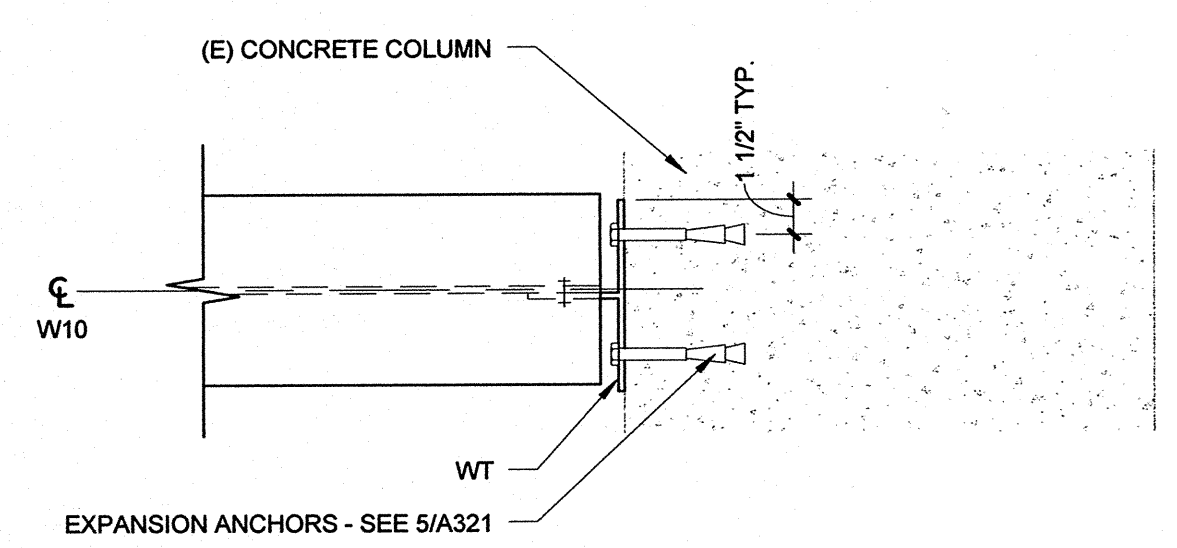
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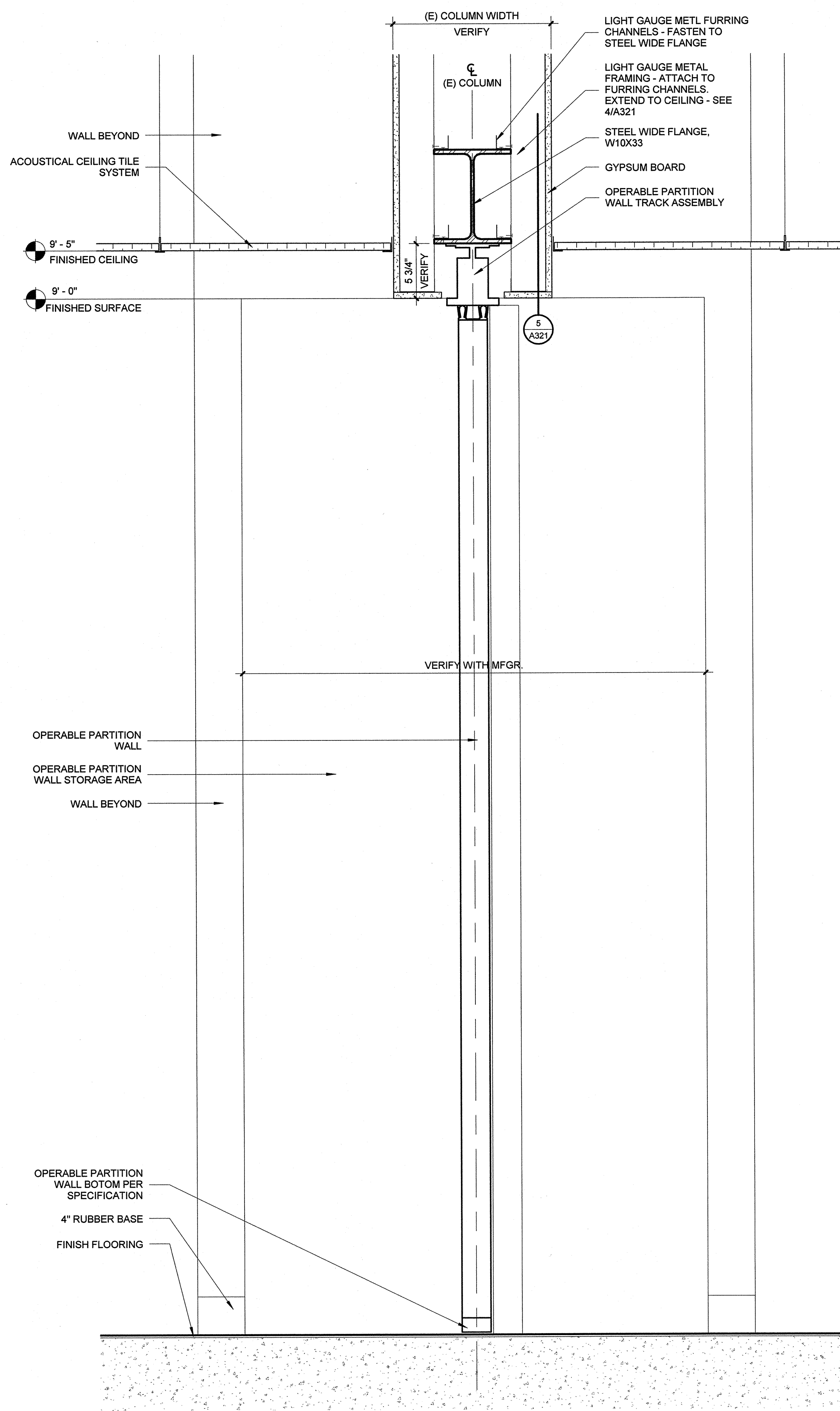
**4 TOW - CONCRETE BEAM**  
1 1/2" = 1'-0"



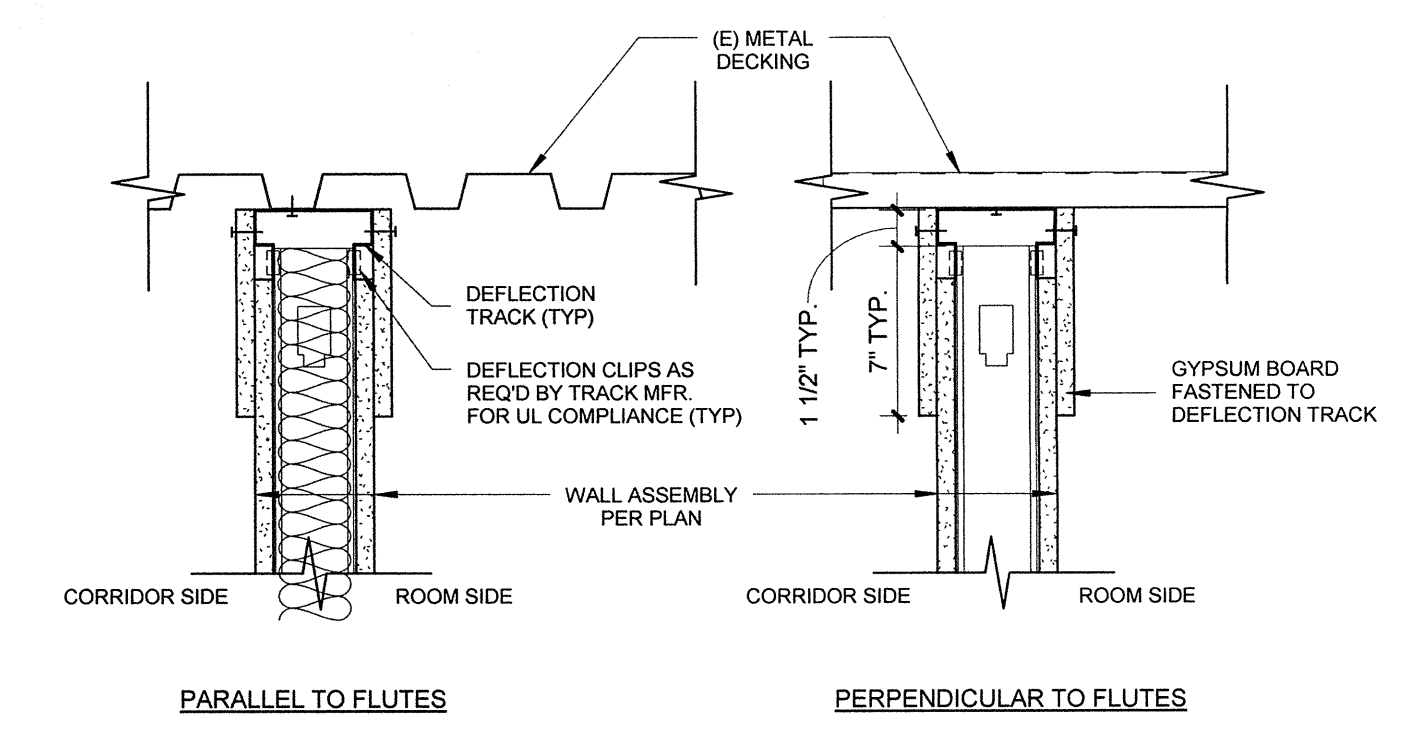
**5 WIDE FLANGE CONNECTION - SECTION**  
1 1/2" = 1'-0"



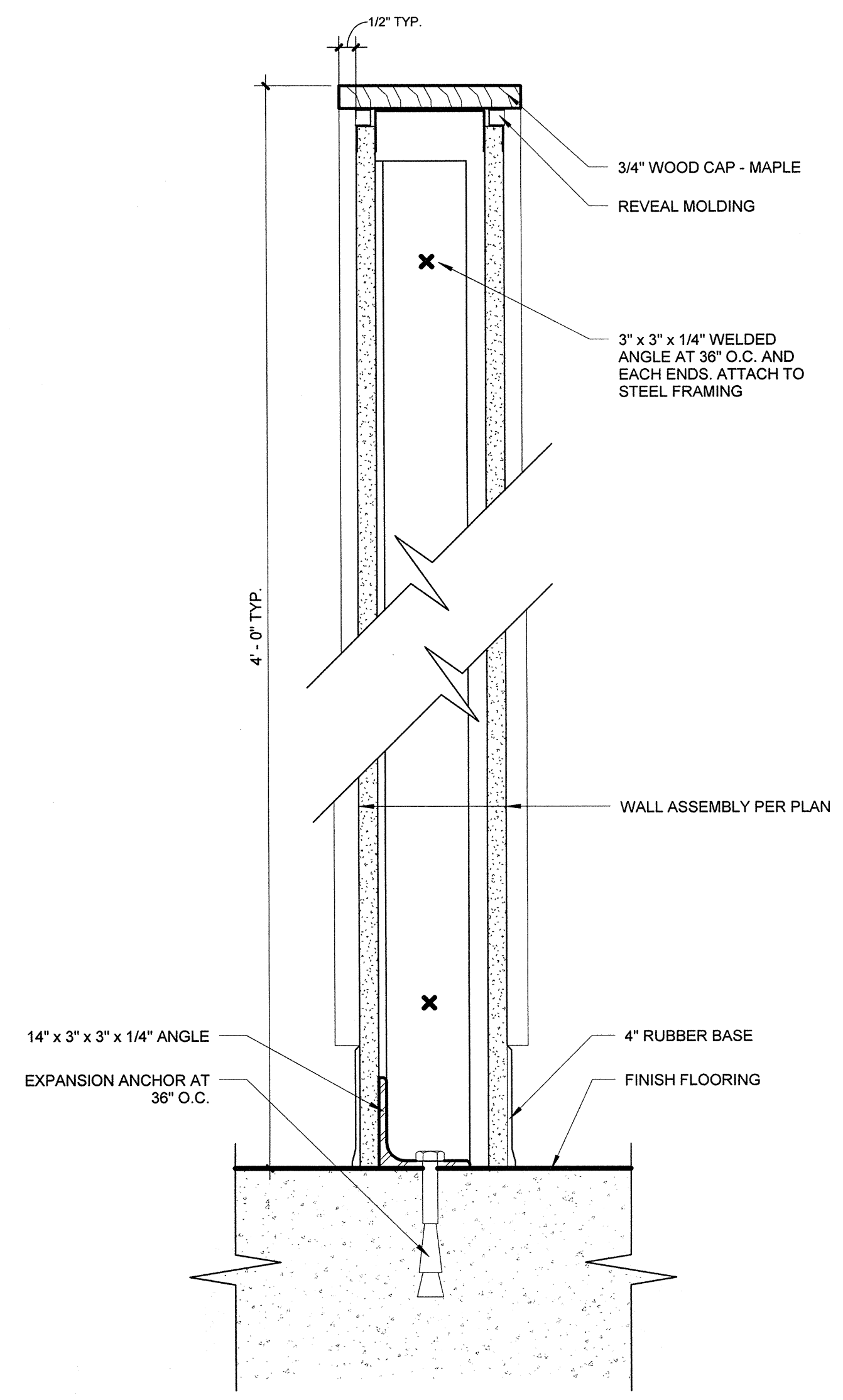
**6 WIDE FLANGE CONNECTION - PLAN**  
1 1/2" = 1'-0"



**3 OPERABLE WALL PARTITION SECTION**  
1 1/2" = 1'-0"



**1 TOW - METAL DECKING**  
1 1/2" = 1'-0"

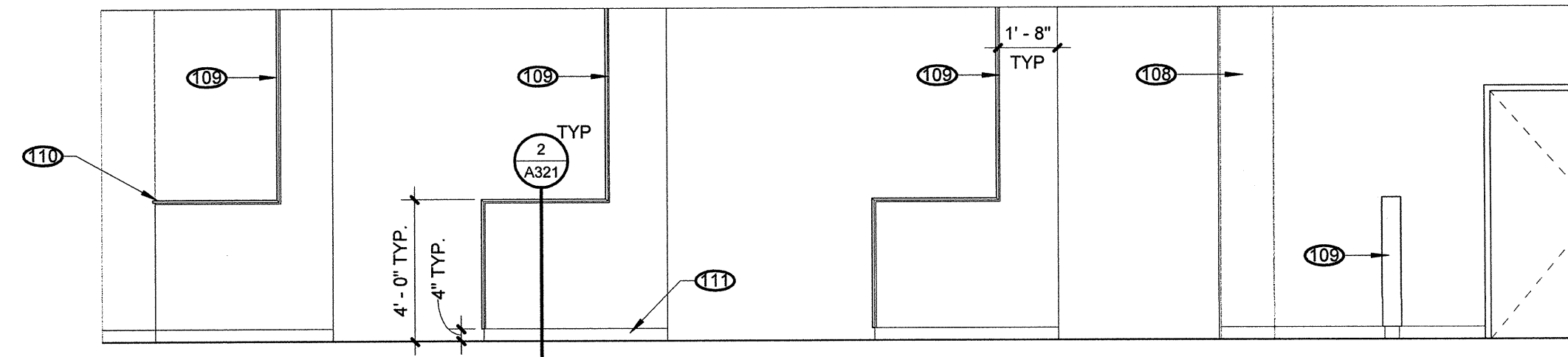


**2 PARTIAL HEIGHT WALL**  
3" = 1'-0"

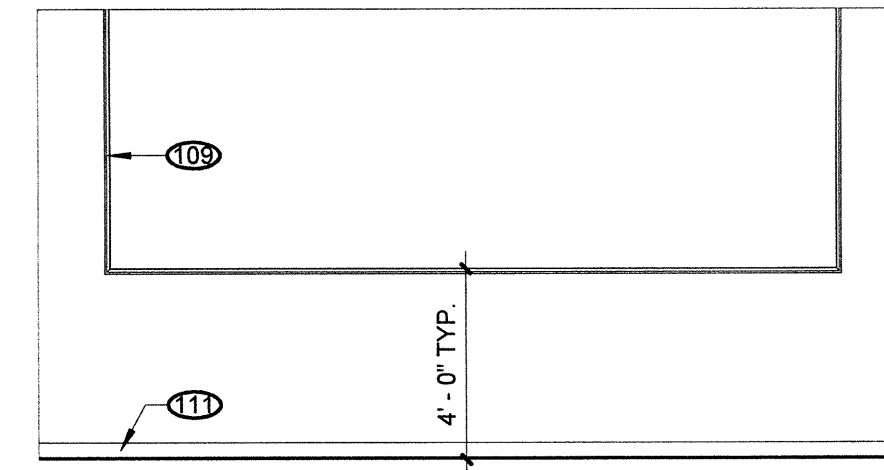


KEYNOTE LEGEND

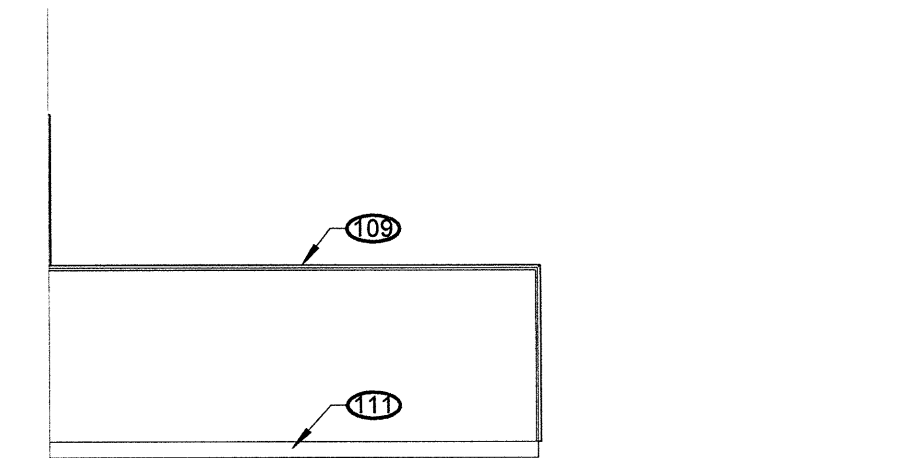
- 108 EXISTING COLUMN
- 109 3/4" MAPLE CAP AT VERTICAL AND HORIZONTAL ENDS OF WALL, MITER ALL CORNERS. REVEAL MOLDING TO FOLLOW MAPLE CAP - SEE DETAIL 2/A321
- 110 WRAP MAPLE CAP BACK ALONG ADJACENT WALL AND RETURN DOWN VERTICAL END OF WALL
- 111 RUBBER BASE, TYP.



**1** GROUP LAB 125 - E  
1/4" = 1'-0"



**2** GROUP LAB 125 - W  
1/4" = 1'-0"

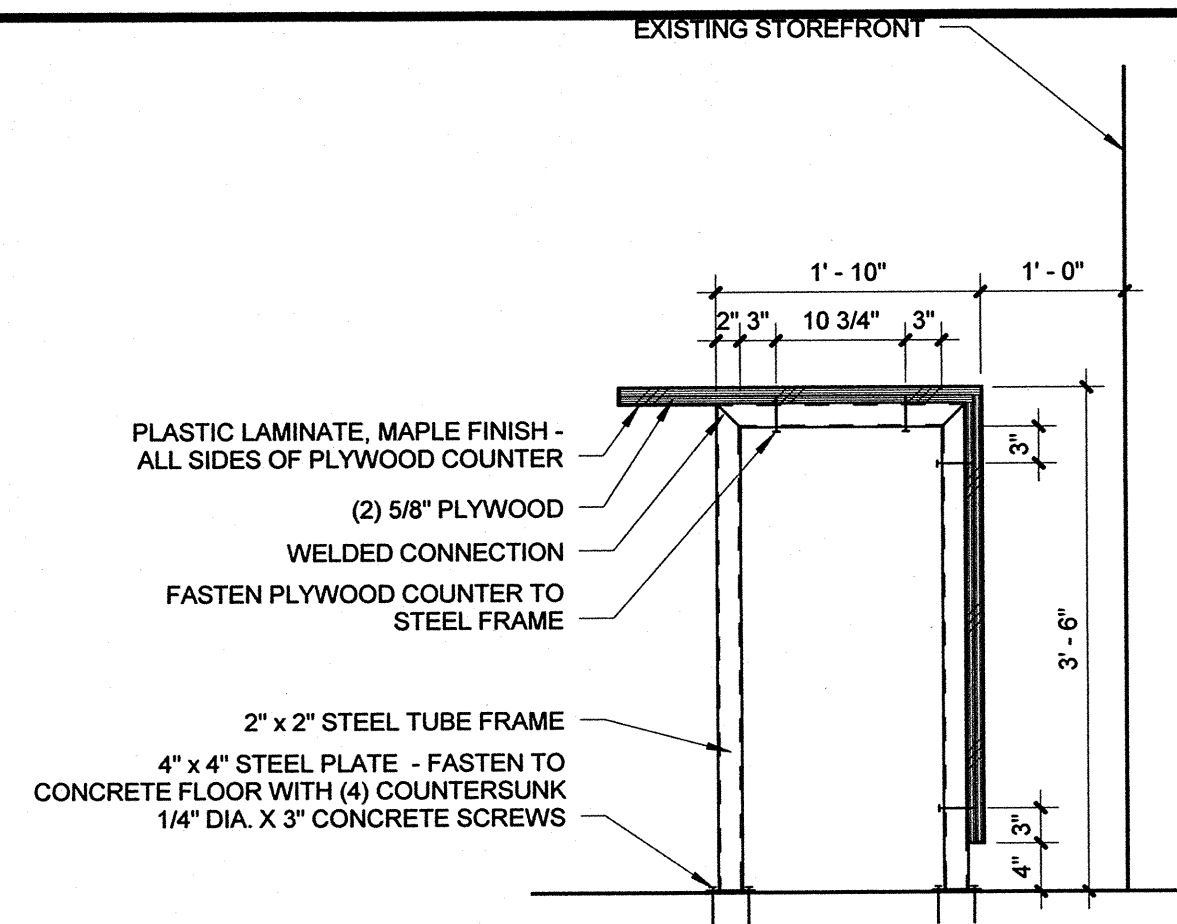


**3** GROUP LAB 125 - S  
1/4" = 1'-0"

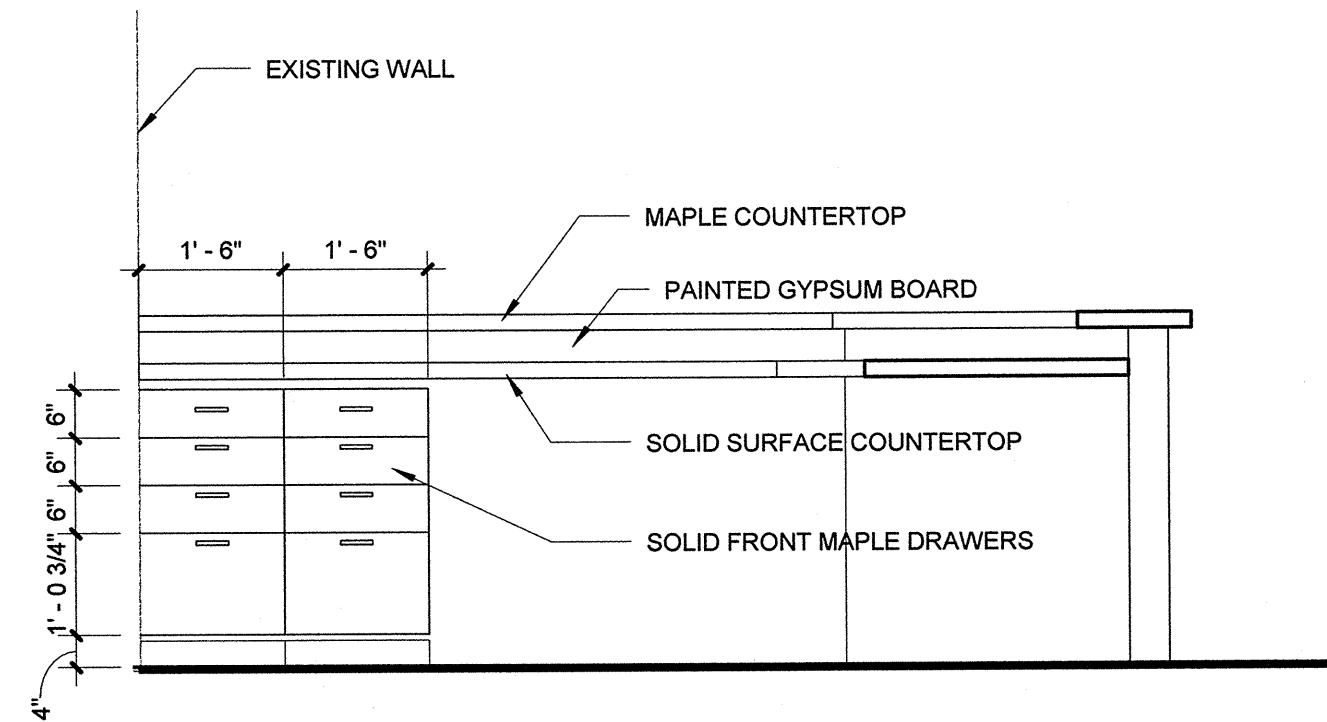
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INTERIOR ELEVATIONS

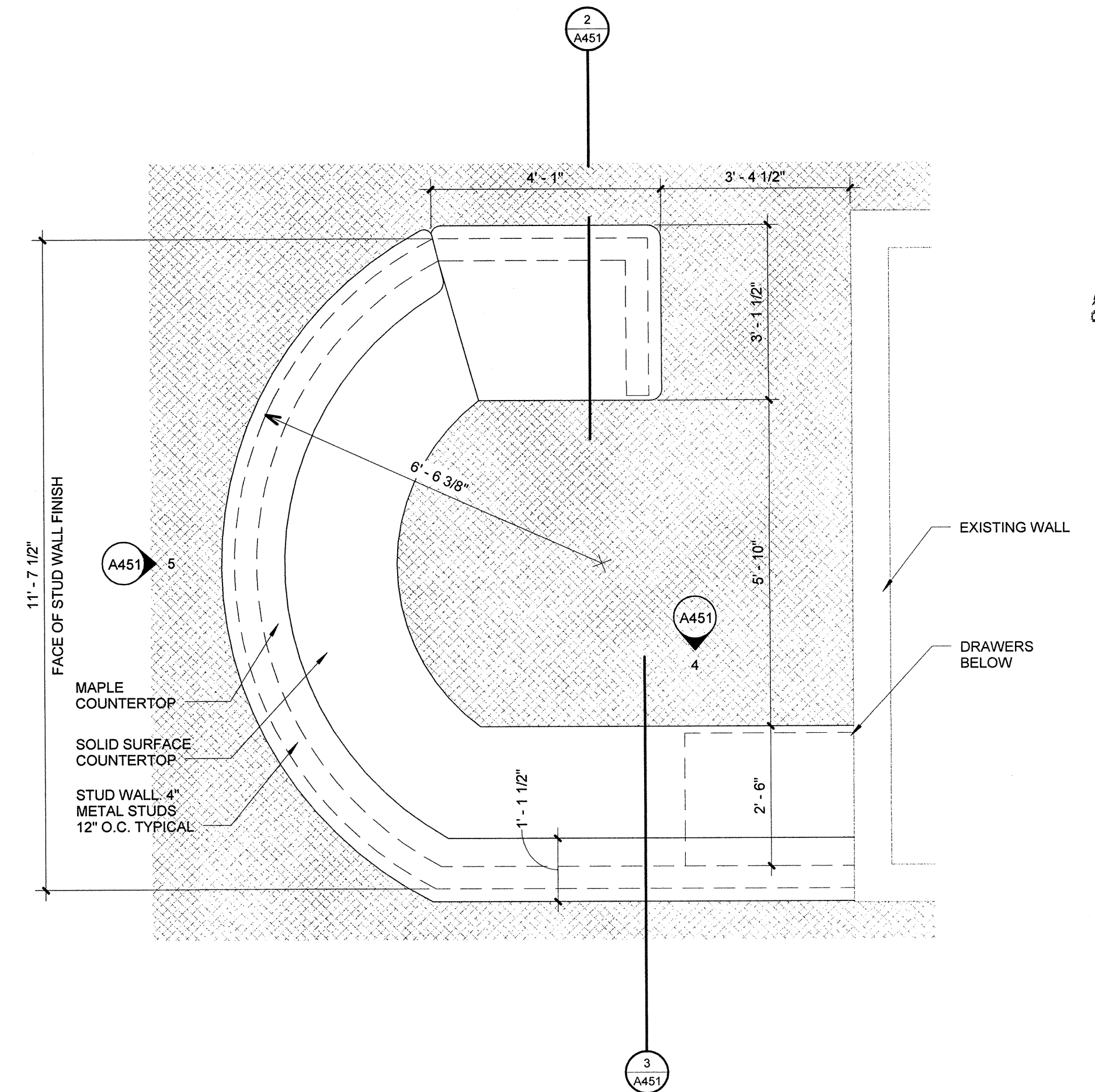
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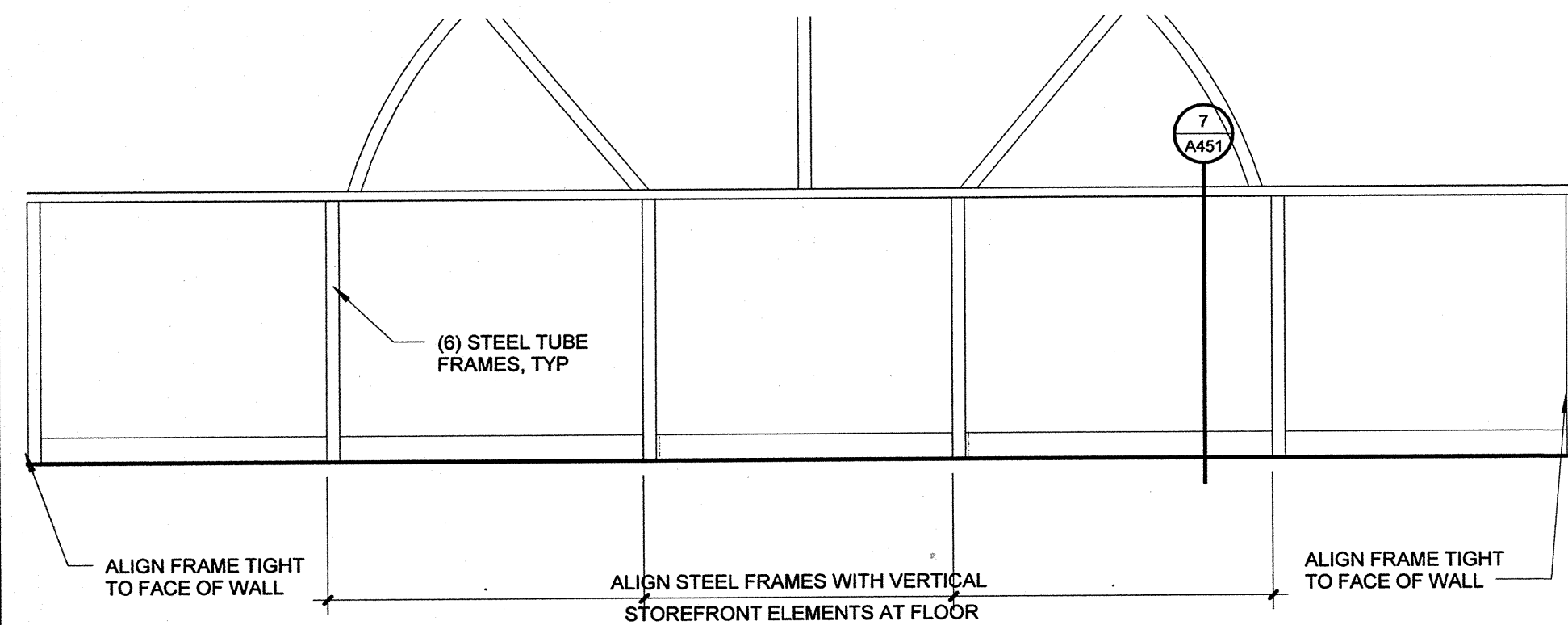
**7** GROUP STUDY CASEWORK SECTION  
3/4" = 1'-0"



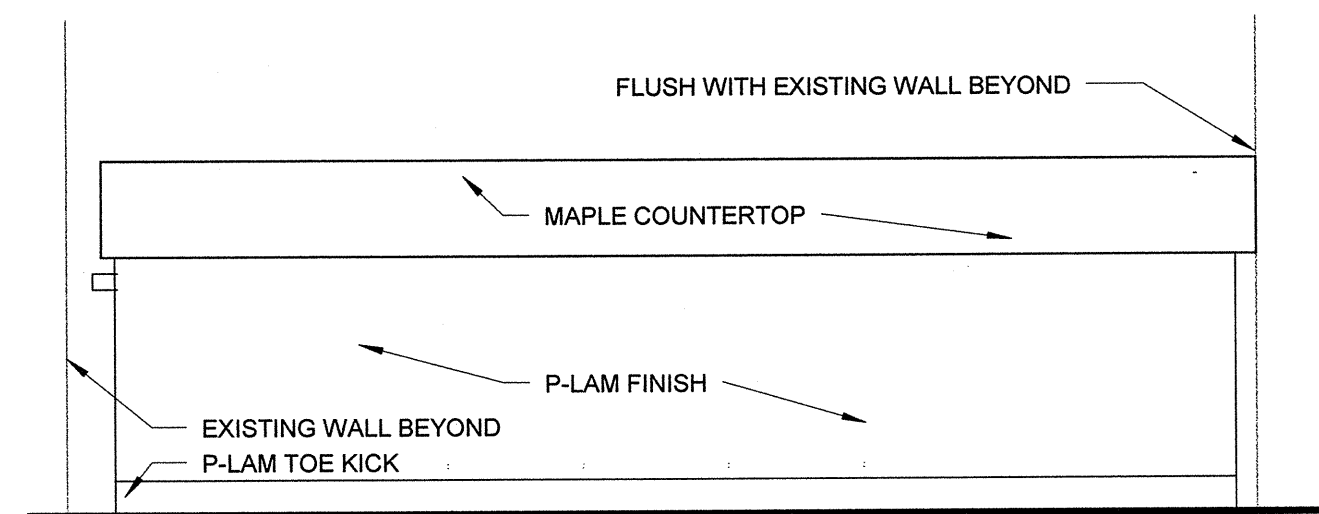
**4** CASEWORK ELEVATION AT RECEPTION DESK  
1/2" = 1'-0"



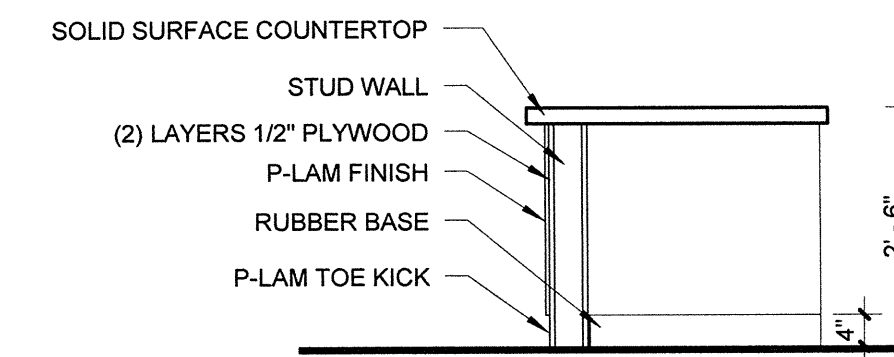
**1** ENLARGED PLAN AT RECEPTION DESK  
1/2" = 1'-0"



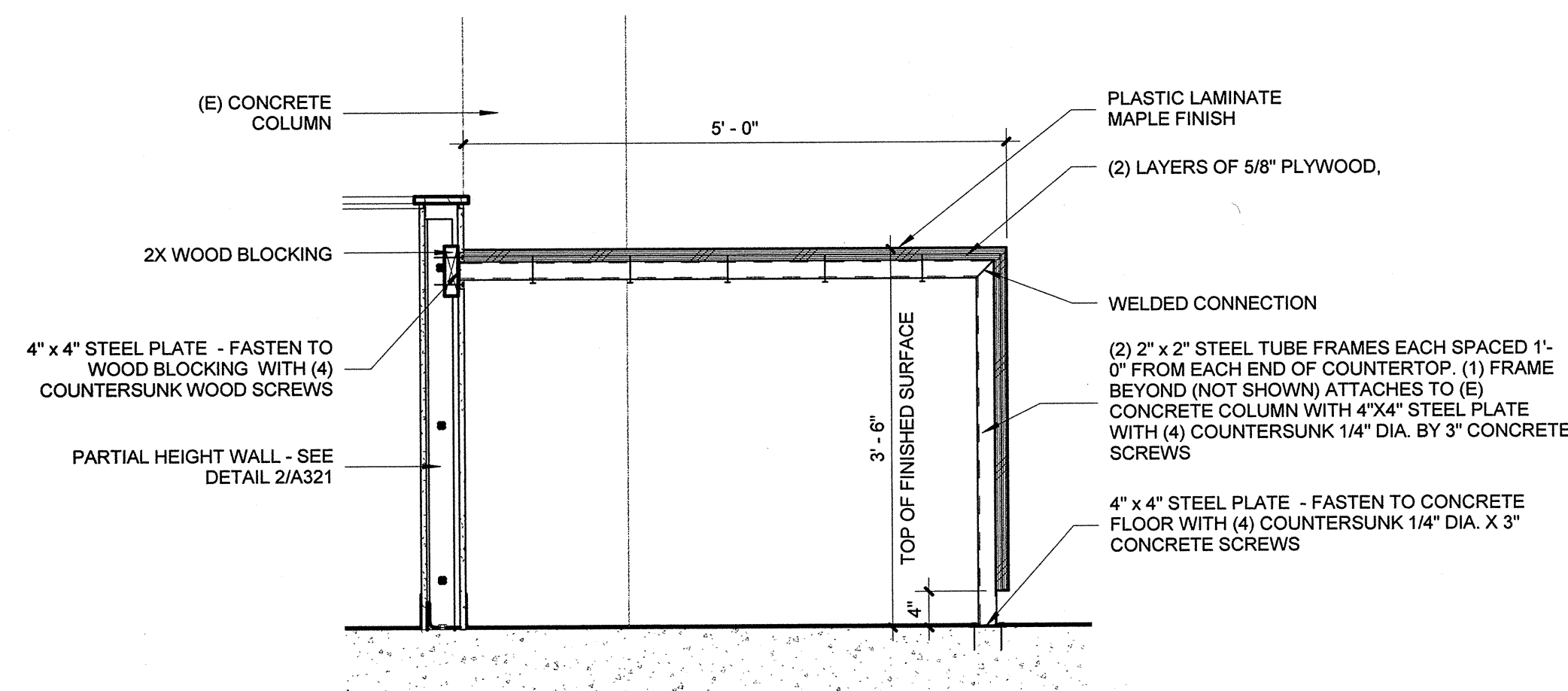
**8** GROUP CASEWORK ELEVATION  
1/2" = 1'-0"



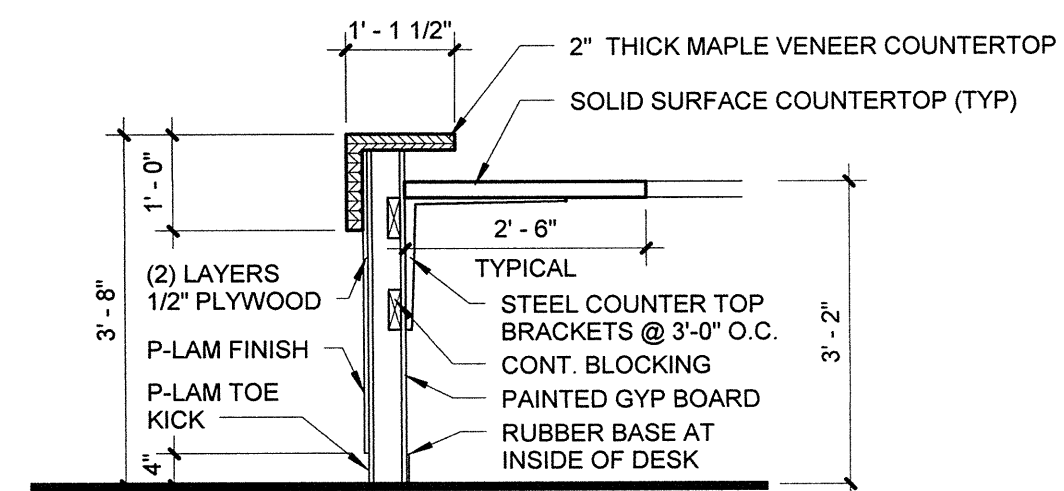
**5** FRONT ELEVATION - RECEPTION DESK  
1/2" = 1'-0"



**2** SECTION AT ADA COUNTER  
1/2" = 1'-0"



**6** PRINT STATION CASEWORK SECTION  
3/4" = 1'-0"

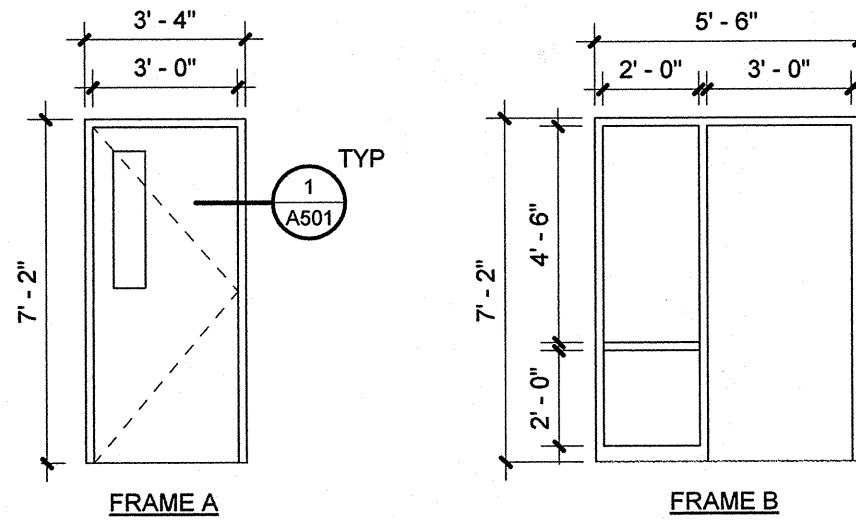


**3** TYPICAL SECTION AT RECEPTION DESK  
1/2" = 1'-0"

PROJECT NO:	1210	REVISIONS:	
DATE:	6.6.2012	Autor	
DRAWN:		Checker	
CHECKED:			

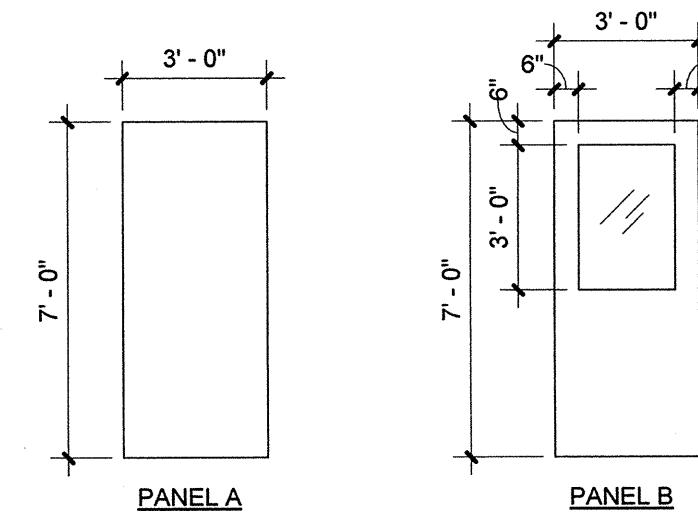


DOOR SCHEDULE												
DOOR NUMBER	ROOM NAME	ROUGH WIDTH	ROUGH HEIGHT	WIDTH	HEIGHT	DOOR PANEL			FRAME			COMMENTS
						TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	
311A	DIRECTOR 311	3' - 4 1/2"	7' - 2 1/4"	3' - 0"	7' - 0"	(E)	WD	(E)	(E)	HM	PAINT	EXISTING IN PLACE
311B	DIRECTOR 311	3' - 4 1/2"	7' - 2 1/4"	3' - 0"	7' - 0"	A	WD	FAC	B	HM	PAINT	EXISTING REUSED
311C	FACILITIES MANAGEMENT 311A	3' - 4 1/2"	7' - 2 1/4"	3' - 0"	7' - 0"	A	WD	FAC	B	HM	PAINT	
320A	OPEN WORK STATIONS 320	3' - 4 1/2"	7' - 2 1/4"	3' - 0"	7' - 0"	A	WD	FAC	B	HM	PAINT	
320B	IT OFFICE 320A	3' - 4 1/2"	7' - 2 1/4"	3' - 0"	7' - 0"	A	WD	FAC	B	HM	PAINT	
320C	WEB SERVICES 320B	3' - 4 1/2"	7' - 2 1/4"	3' - 0"	7' - 0"	A	WD	FAC	B	HM	PAINT	
323A	TEACHING LAB 1 323	3' - 4 1/2"	7' - 2 1/4"	3' - 0"	7' - 0"	B	WD	FAC	A	HM	PAINT	
327A	TEACHING LAB 2 327	3' - 4 1/2"	7' - 2 1/4"	3' - 0"	7' - 0"	B	WD	FAC	A	HM	PAINT	
329A	SERVER ROOM 329	3' - 4 1/2"	7' - 2 1/4"	3' - 0"	7' - 0"	B	WD	FAC	A	HM	PAINT	



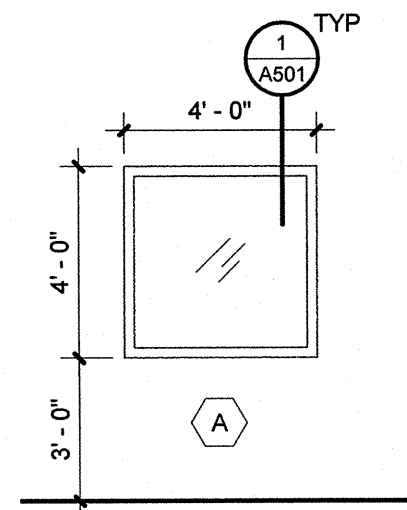
**DOOR FRAME ELEVATIONS**

1/4" = 1'-0"



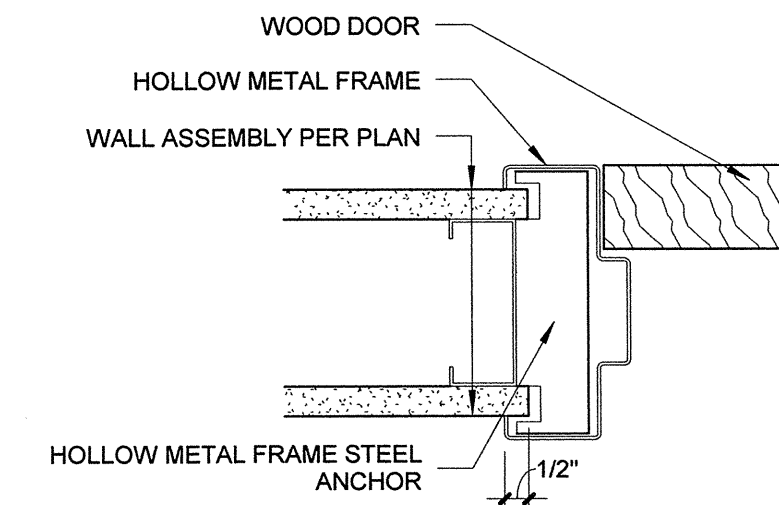
**DOOR PANEL ELEVATIONS**

1/4" = 1'-0"



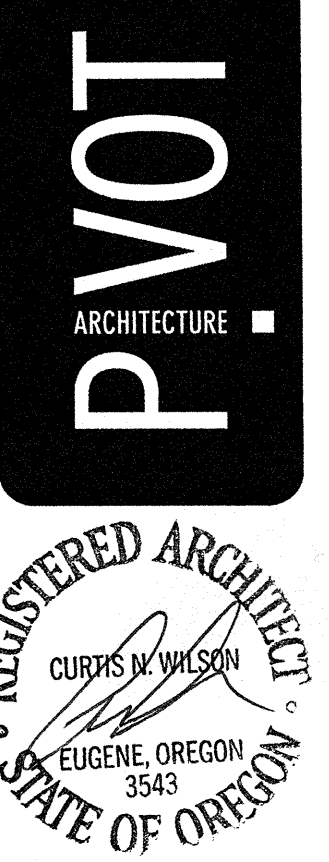
**WINDOW ELEVATIONS**

1/4" = 1'-0"



**1 HOLLOW METAL FRAME DETAIL, TYP.**

3" = 1'-0"



CONSTRUCTION DOCUMENTS  
UNIVERSITY OF OREGON  
CHILES HALL 3RD FLOOR IMPROVEMENTS

PROJECT NO.	DATE	REVISIONS	DRAWN	CHECKED
1210	6.6.2012		AD	CW

DOOR/WINDOW INFORMATION

A501

# MECHANICAL LEGEND

## PIPING

SYMBOL	ABBREV.	DESCRIPTION	SYMBOL	ABBREV.	DESCRIPTION
<b>DIVISION 21 - 21 00 00: FIRE PROTECTION PIPING:</b>					
	AFS	AUTOMATIC FIRE SPRINKLER			PIPING DOWN
	F	FIRE SPRINKLER SUPPLY			CAPPED PIPE
<b>DIVISION 23 - 23 21 13: HYDRONIC PIPING:</b>					
	CHS	CHILLED WATER SUPPLY			
	CHR	CHILLED WATER RETURN			
	HS	HEATING WATER SUPPLY			
	HR	HEATING WATER RETURN			
	CD	CONDENSATE DRAIN			

## GENERAL NOTES

- THE FACILITY WILL REMAIN IN OPERATION DURING CONSTRUCTION. COORDINATE ALL SHUTDOWNS AND CONSTRUCTION ACTIVITY WITH FACILITIES STAFF.
- SIZE AND LOCATION OF ALL EXISTING PIPING AND OTHER MECHANICAL EQUIPMENT IS APPROXIMATE. CONTRACTOR SHALL SITE VERIFY THE EXACT LOCATION OF EXISTING AND CONSTRUCT ALL WORK FROM FIELD DIMENSIONS. CONTRACTOR SHALL MAKE ALL ADJUSTMENTS NECESSARY TO ACCOMMODATE MINOR DEVIATIONS AT NO COST TO OWNER.
- FINE (LIGHT) LINE WORK INDICATES EXISTING PIPING AND OTHER MECHANICAL EQUIPMENT. BOLD (HEAVY) LINE WORK INDICATES NEW PIPING AND OTHER MECHANICAL EQUIPMENT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE CUTTING AND PATCHING TO ALLOW THE INSTALLATION OF MATERIALS AND EQUIPMENT AS SPECIFIED AND SHOWN ON DRAWINGS.
- WHERE (E) FIRE PROTECTIVE TREATMENT ON STRUCTURAL MEMBERS IS DAMAGED OR REMOVED AS A RESULT OF WORK, REPAIR TREATMENT TO MATCH (E).

## GENERAL

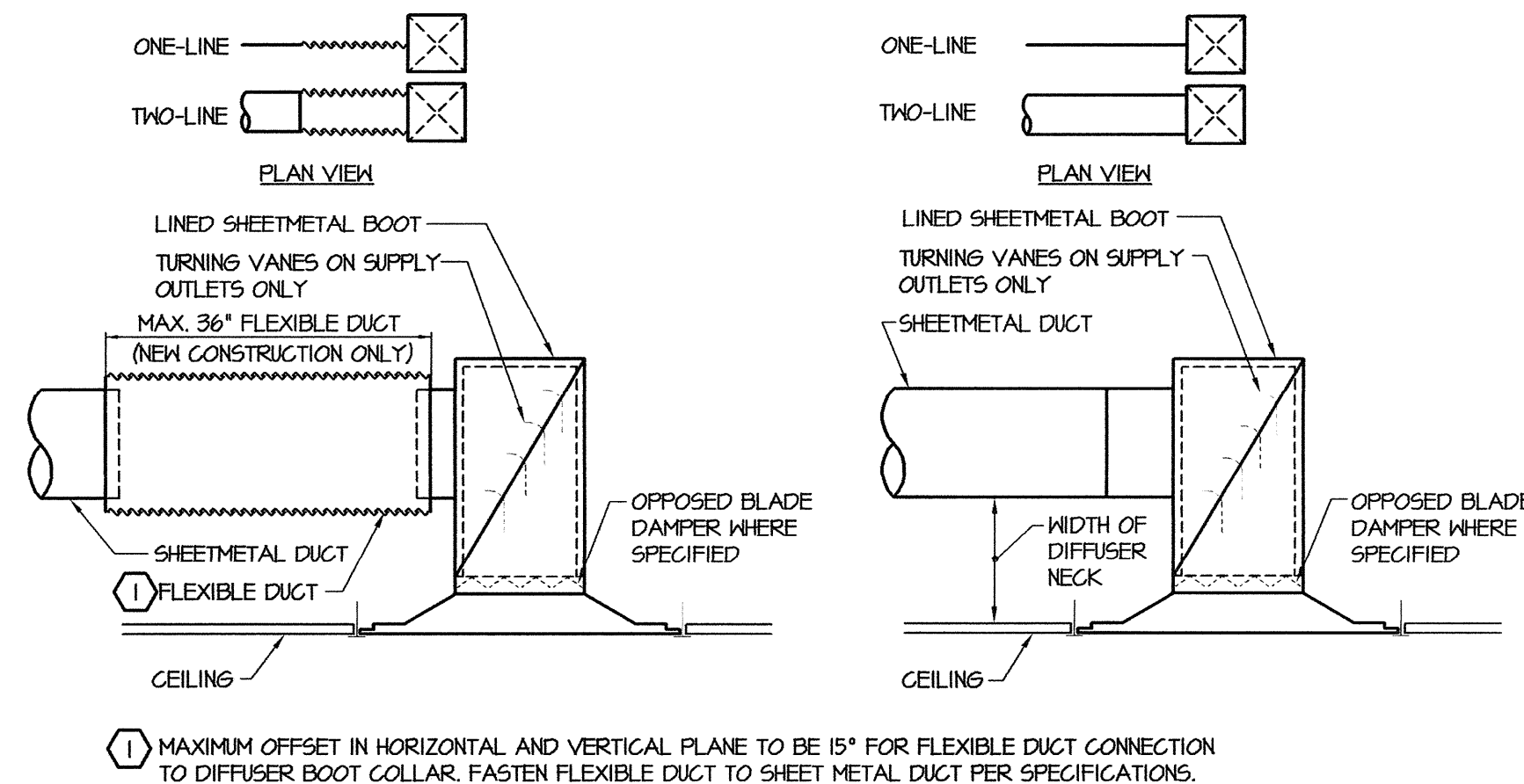
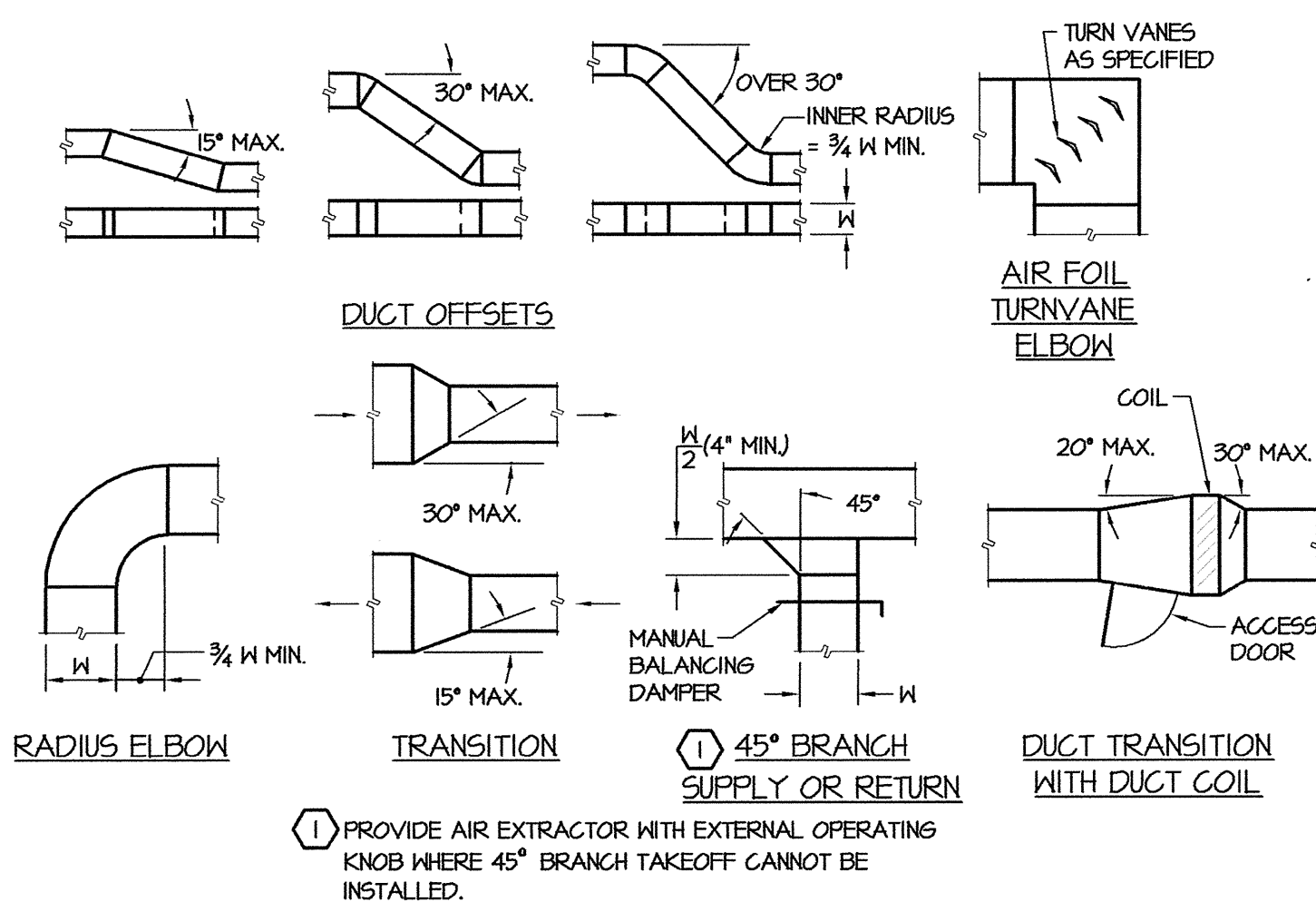
SYMBOL	ABBREVIATION	DESCRIPTION
(E)		EXISTING
Ø OR dia		DIAMETER
		NEW TO EXISTING POINT OF CONNECTION
		NOTE REFERENCE MARKER
	PLAN OR DETAIL NUMBER SHEET NUMBER	PLAN OR DETAIL REFERENCE MARKER
	SECTION LETTER SHEET NUMBER	SECTION REFERENCE MARKER
	EQUIPMENT TYPE EQUIPMENT NUMBER	EQUIPMENT MARKER
		ROOM NUMBER
		EXISTING SHOWN LIGHT
		NEW WORK SHOWN BOLD
		EXISTING TO BE REMOVED

## CONTROLS

SYMBOL	DESCRIPTION
	PROCESS PIPING SIGNAL
	ELECTRIC SIGNAL
	ROOM SENSOR

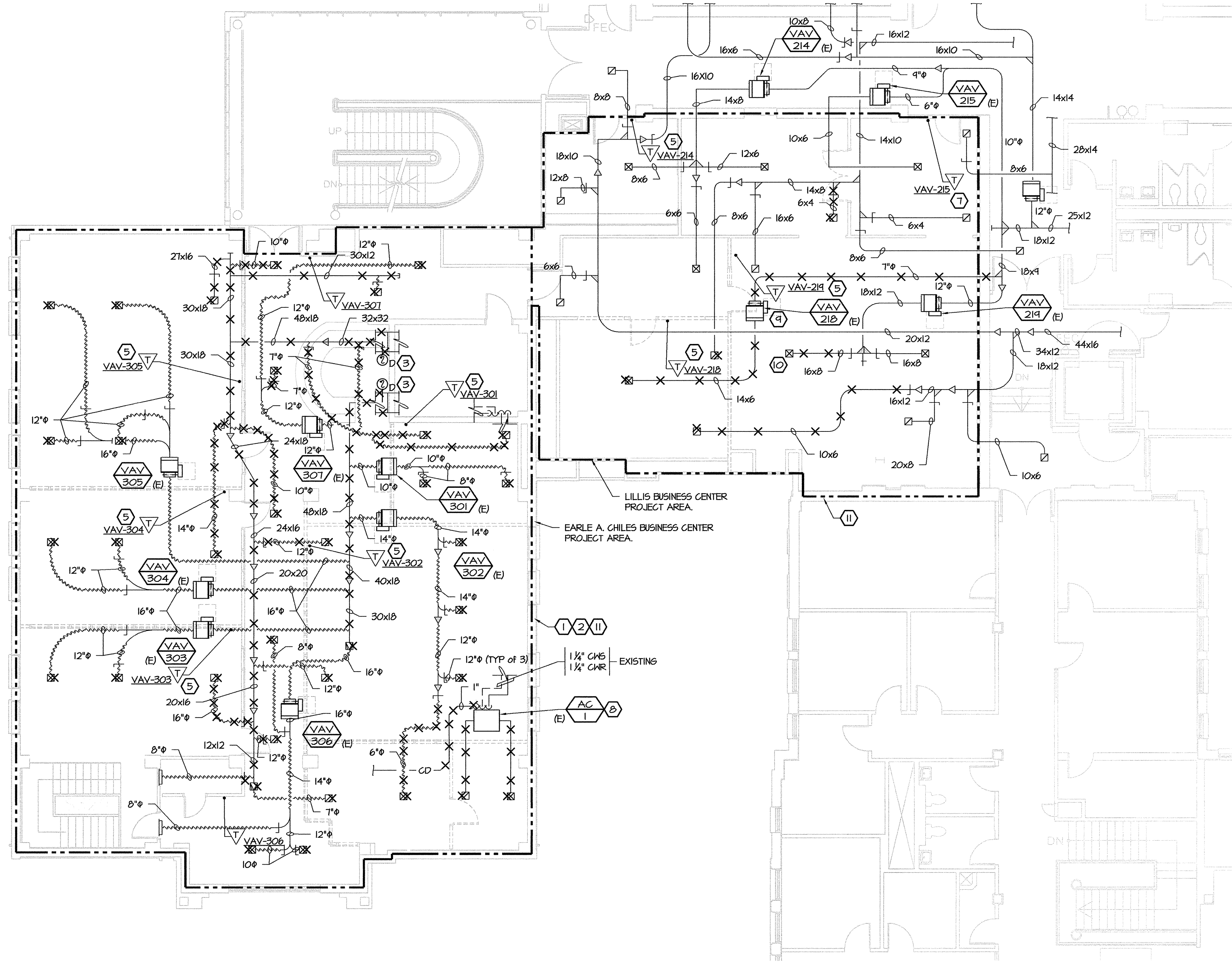
## DUCTWORK

DOUBLE-LINE SYMBOL	SINGLE-LINE SYMBOL	DESCRIPTION	DOUBLE-LINE SYMBOL	SINGLE-LINE SYMBOL	DESCRIPTION
		RECTANGULAR SUPPLY AIR DUCT UP			CONCENTRIC TRANSITION
		RECTANGULAR RETURN AIR UP			ECCENTRIC TRANSITION
		RECTANGULAR EXHAUST AIR UP			RECTANGULAR TO ROUND TRANSITION
		RECTANGULAR OUTSIDE AIR UP			90deg HEEL TAP TAKEOFF (SUPPLY OR RETURN RECTANGULAR DUCT)
		RECTANGULAR SUPPLY AIR DUCT DN			ROUND SPIN IN CONNECTION TO (RECTANGULAR DUCT)
		RECTANGULAR RETURN AIR DN			45deg LATERAL BRANCH (ROUND OR FLAT OVAL DUCTS)
		RECTANGULAR EXHAUST AIR or OUTSIDE AIR DN			ROUND SPIN IN CONNECTION TO (RECTANGULAR DUCT)
		ROUND DUCTWORK UP			HIGH EFFICIENCY ROUND CONNECTION WITH VOLUME DAMPER TO (RECTANGULAR DUCT)
		ROUND DUCTWORK DOWN			HIGH EFFICIENCY ROUND CONNECTION TO (RECTANGULAR DUCT)
		TURN VANE ELBOW			
		STANDARD RADIUS ELBOW			
		FLEXIBLE DUCT CONNECTION			
		DUCT SIZE: WIDTH x DEPTH			
		DIFFUSER TYPE			
		SIZE - BLOW PATTERN (IF NOT 4-WAY) AIR VOLUME IN CUBIC FEET per MINUTE (CFM)			
		GRILLE TYPE			
		SIZE AIR VOLUME IN CUBIC FEET per MINUTE (CFM)			
		DIFFUSER OR GRILLE TYPE			
		SIZE AIR VOLUME IN CUBIC FEET per MINUTE (CFM)			
		SOUND ATTENUATED DUCTWORK			
		MANUAL VOLUME DAMPER			
		AUTOMATIC DAMPER			
		SMOKE DETECTOR D= DUCT DETECTOR			



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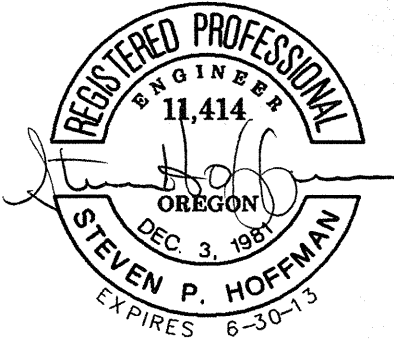
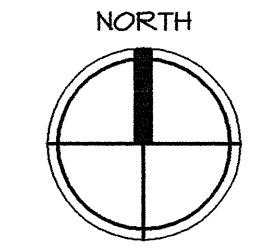
REFERENCE NOTES:

- 1 REMOVE ALL EXISTING SUPPLY AND RETURN DUCTWORK CONSTRUCTED OF RIGID FIBERGLASS DUCTBOARD IN THE CHILES BUILDING AREA OF WORK.
- 2 SURVEY ALL EXISTING FLEXIBLE DUCTWORK FOR ANY DAMAGE AND LEAKAGE. SURVEY ALL EXISTING FLEXIBLE DUCT CONNECTIONS, TEES AND WYES FOR BROKEN LOCKING/PANDUIT STRAPS, REPAIR AS NEEDED.
- 3 COORDINATE WORK ON EXISTING DUCT MOUNTED SMOKE DETECTORS WITH OWNER'S FIRE ALARM MONITORING COMPANY AND DIVISION 21 AND 26 BEFORE DISCONNECTING LOW AND LINE VOLTAGE, FIRE ALARM SIGNAL, WIRING BEFORE REMOVAL. SAVE FOR REINSTALLATION IN NEW DUCTWORK.
- 4 THIS NOTE NOT USED.
- 5 REMOVE AND SAVE FOR REINSTALLATION EXISTING TEMPERATURE SENSORS. COORDINATE NEW SENSOR LOCATIONS WITH OWNER TO AVOID PLACEMENT OF TEMPERATURE SENSORS NEAR ANY HEAT PRODUCING EQUIPMENT. REPORT TO ENGINEER ANY COORDINATION ISSUES IN WRITING EARLY IN PROJECT TO ALLOW RESOLUTION.
- 6 THIS NOTE NOT USED.
- 7 REMOVE EXISTING DUCT MOUNTED TEMPERATURE SENSOR AND REPLACE WITH NEW WALL MOUNTED TEMPERATURE SENSOR. COORDINATE NEW SENSOR LOCATION WITH OWNER TO AVOID PLACEMENT OF TEMPERATURE SENSOR NEAR ANY HEAT PRODUCING EQUIPMENT. REPORT TO ENGINEER ANY COORDINATION ISSUES IN WRITING EARLY IN PROJECT TO ALLOW RESOLUTION.
- 8 DISCONNECT EXISTING CONDENSATE DRAIN, GAS AND CHR PIPING FROM AC1 AND CAP DURING DEMOLITION PHASE. REMOVE AC1 AND RELOCATE TO NEW POSITION AS SHOWN ON I / M101. SAVE FOR REINSTALLATION ALL CONTROLS AND HYDRONIC TRIM.
- 9 DISCONNECT EXISTING HS AND HR PIPING FROM VAV-218 AND CAP DURING DEMOLITION PHASE. REMOVE VAV-218 AND RELOCATE TO NEW POSITION AS SHOWN ON I / M101. SAVE FOR REINSTALLATION ALL CONTROLS AND HYDRONIC TRIM.
- 10 REMOVE EXISTING SUPPLY DIFFUSER AND SAVE FOR REINSTALLATION.
- 11 REPLACE ALL SUPPLY DIFFUSERS AND RETURN GRILLES SHOWN AS DEMOLISHED.

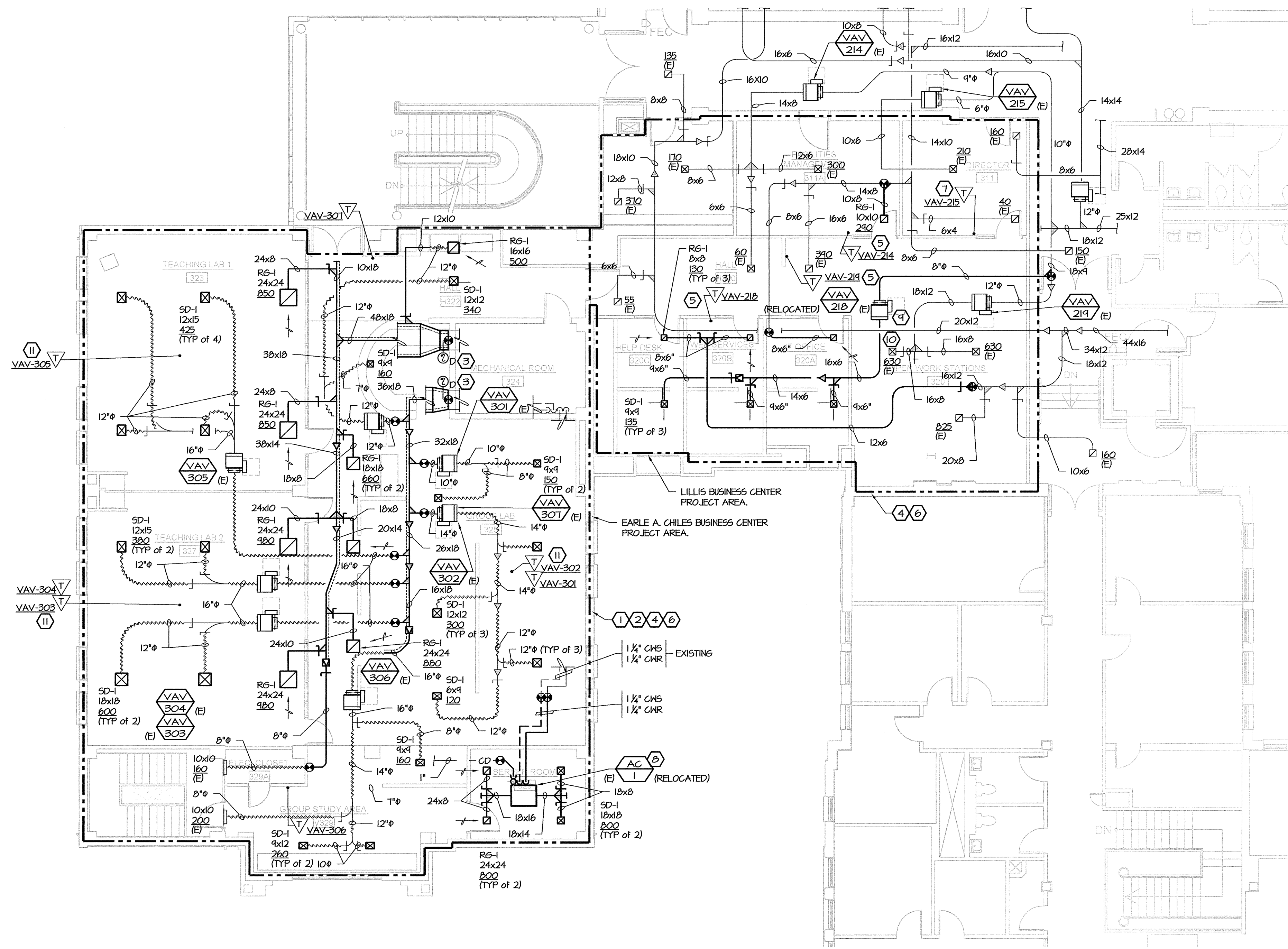
CHILES AND LILLIS BUILDINGS PARTIAL THIRD FLOOR PLAN - DEMOLITION

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

1  
M101



PROJECT NO.	1210	REVISIONS
DATE:	06/08/2012	
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CHECKED:	SPH	

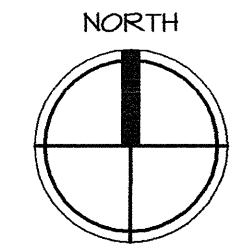


- REFERENCE NOTES:**
- 1) INSTALL NEW SUPPLY AND RETURN AIR DUCTWORK AS TIGHT TO STRUCTURE AS POSSIBLE. REUSE EXISTING FLEXIBLE DUCTWORK SHOWN AS NEEDED TO ALIGN NEW SUPPLY AND RETURN GRILLES WITH NEW ACOUSTICAL CEILINGS. ADJUST AS NEEDED TO FIT NEW LAYOUT.
  - 2) SURVEY ALL EXISTING FLEXIBLE DUCTWORK FOR ANY DAMAGE AND LEAKAGE. SURVEY ALL EXISTING FLEXIBLE DUCT CONNECTIONS, TEES AND WYES FOR BROKEN LOCKING/PANOUT STRAPS, REPAIR AS NEEDED. ADJUST AS NEEDED TO FIT NEW LAYOUT.
  - 3) COORDINATE WORK ON EXISTING DUCT MOUNTED SMOKE DETECTORS WITH OWNER'S FIRE ALARM MONITORING COMPANY AND DIVISION 21 AND 26 BEFORE REINSTALLING LOW AND LINE VOLTAGE, FIRE ALARM SIGNAL WIRING. EXISTING SMOKE DETECTORS REMOVED DURING DEMOLITION PHASE TO BE REINSTALLED IN NEW DUCTWORK.
  - 4) INSTALL NEW DIFFUSERS AND GRILLES, RECONNECT TO EXISTING DUCTWORK OR TO NEW DUCTWORK SHOWN. ALIGN WITH NEW ACOUSTICAL CEILINGS.
  - 5) REINSTALL EXISTING TEMPERATURE SENSORS. COORDINATE NEW SENSOR LOCATIONS WITH OWNER TO AVOID PLACEMENT OF TEMPERATURE SENSORS NEAR ANY HEAT PRODUCING EQUIPMENT. REPORT TO ENGINEER ANY COORDINATION ISSUES IN WRITING EARLY IN PROJECT TO ALLOW RESOLUTION.
  - 6) RE-BALANCE ALL SUPPLY AND RETURN AIR FLOWS AT ALL DIFFUSERS AND GRILLES TO VALUES SHOWN.
  - 7) REMOVE EXISTING DUCT MOUNTED TEMPERATURE SENSOR AND REPLACE WITH NEW WALL MOUNTED TEMPERATURE SENSOR. COORDINATE NEW SENSOR LOCATIONS WITH OWNER TO AVOID PLACEMENT OF TEMPERATURE SENSORS NEAR ANY HEAT PRODUCING EQUIPMENT. REPORT TO ENGINEER ANY COORDINATION ISSUES IN WRITING EARLY IN PROJECT TO ALLOW RESOLUTION.
  - 8) REINSTALL EXISTING AC-1 INSIDE NEW SERVER ROOM; MOUNT AS CLOSE TO STRUCTURE AS POSSIBLE TO PROVIDE OWNER ROOM FOR NETWORK AND POWER CABLING FOR SERVERS BELOW. EXTEND EXISTING CWS AND CHR PIPING AS NEEDED; REUSE EXISTING CONTROLS AND HYDRONIC TRIM. RECONNECT TO EXISTING CONDENSATE DRAIN PIPING.
  - 9) REINSTALL EXISTING VAV-218 TO WHERE SHOWN. RECONNECT TO EXISTING HWS AND HWR BRANCH PIPING; REUSE EXISTING CONTROLS AND HYDRONIC TRIM.
  - 10) REINSTALL EXISTING SUPPLY DIFFUSER REMOVED DURING DEMOLITION PHASE TO NEW LOCATION SHOWN.
  - 11) PROVIDE NEW PENDANT MOUNTED TEMPERATURE SENSORS AT NEW ACOUSTICAL CEILING LEVEL. ENSURE COMPATIBILITY WITH EXISTING CONTROL SYSTEM. AVOID PLACING SENSORS NEAR OWNER FURNISHED CEILING MOUNTED PROJECTORS.

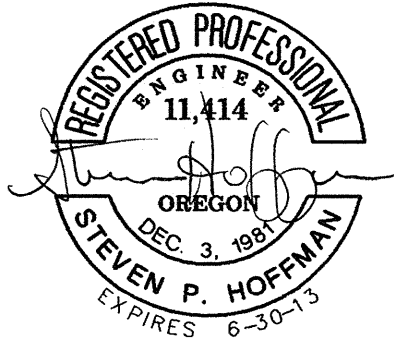
**CHILES AND LILLIS BUILDINGS PARTIAL THIRD FLOOR PLAN - AIR DISTRIBUTION**

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

1  
M121



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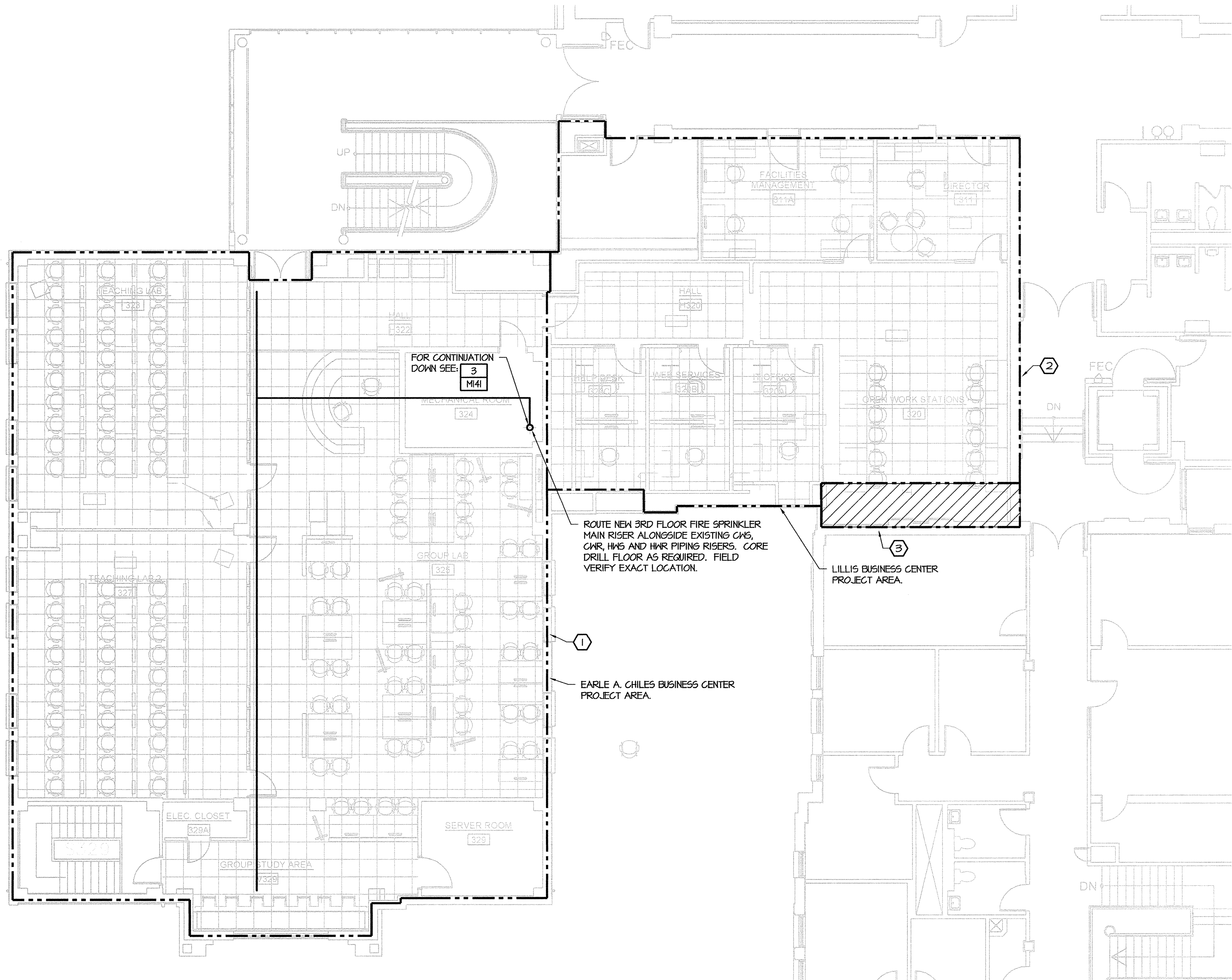
SYSTEMS WEST ENGINEERS, INC.  
411 HIGH STREET  
EUGENE, OREGON 97401-2427  
phone: 541.342.7210  
fax: 541.342.7220  
www.systemswestengineers.com

CHILES PARTIAL THIRD FLOOR PLAN - MECHANICAL AIR DISTRIBUTION  
 CONSTRUCTION DOCUMENTS  
 UNIVERSITY OF OREGON  
 CHILES HALL 3RD FLOOR RENOVATION

PROJECT NO.	DATE	REVISIONS
		1210
	06/08/2012	WVB
		SPH

**M121**

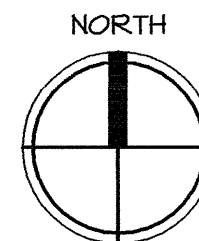




**CHILES PARTIAL THIRD FLOOR PLAN - FIRE PROTECTION**

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

1  
M141

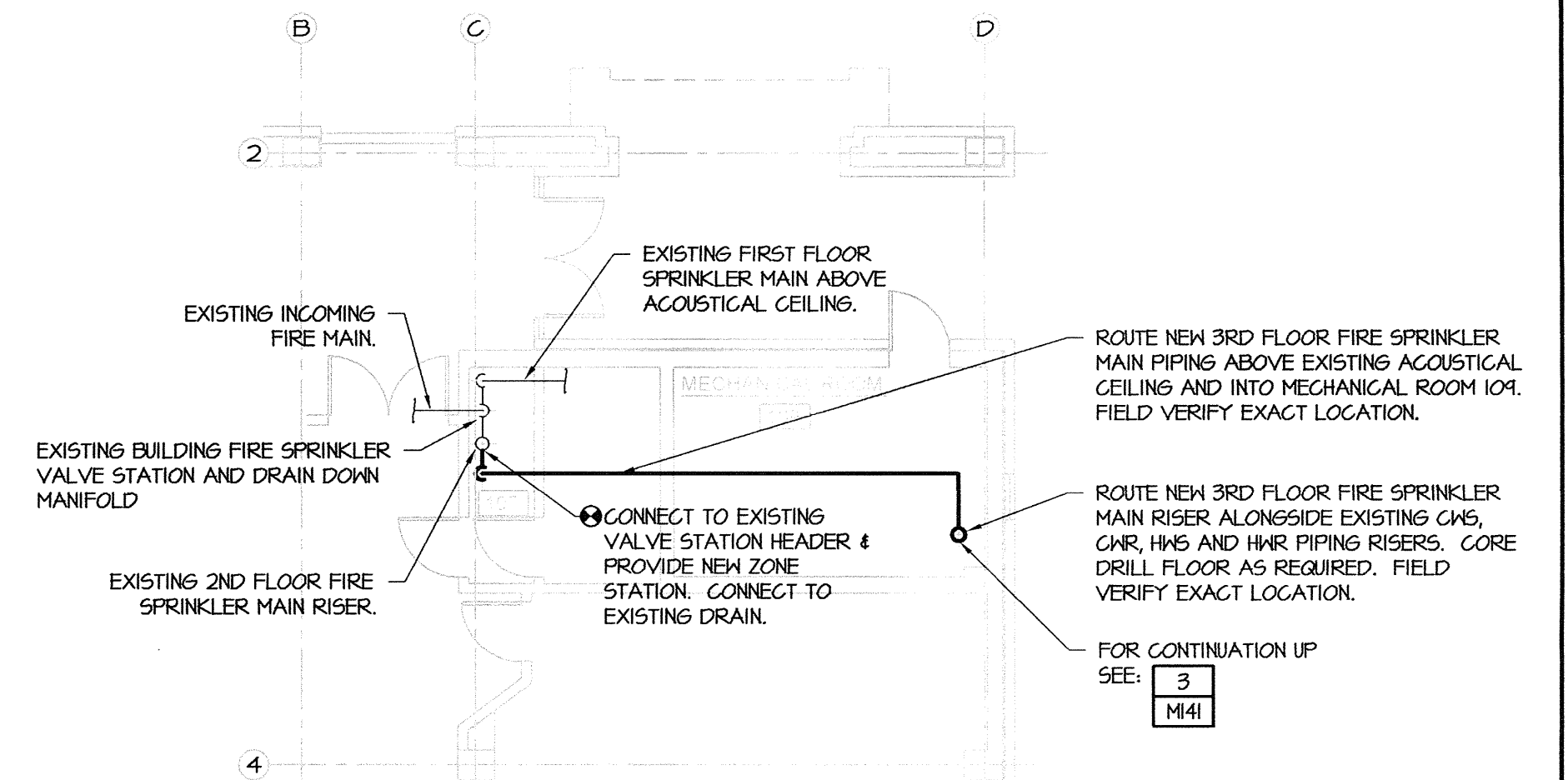


**SHEET NOTES:**

1. CONTRACTOR SHALL VERIFY THAT PROPOSED AFS ROUTING IS FULLY COORDINATED WITH DUCTWORK, HYDRONIC PIPING, PLUMBING PIPING, ELECTRICAL CABLE TRAYS & CONDUIT, AND OTHER BUILDING UTILITIES. NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO STARTING WORK.
2. COORDINATE AUXILIARY DRAIN LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK.
3. CONTRACTOR SHALL PROVIDE CORE DRILLING WHERE REQ'D TO INSTALL PIPING.

**REFERENCE NOTES:**

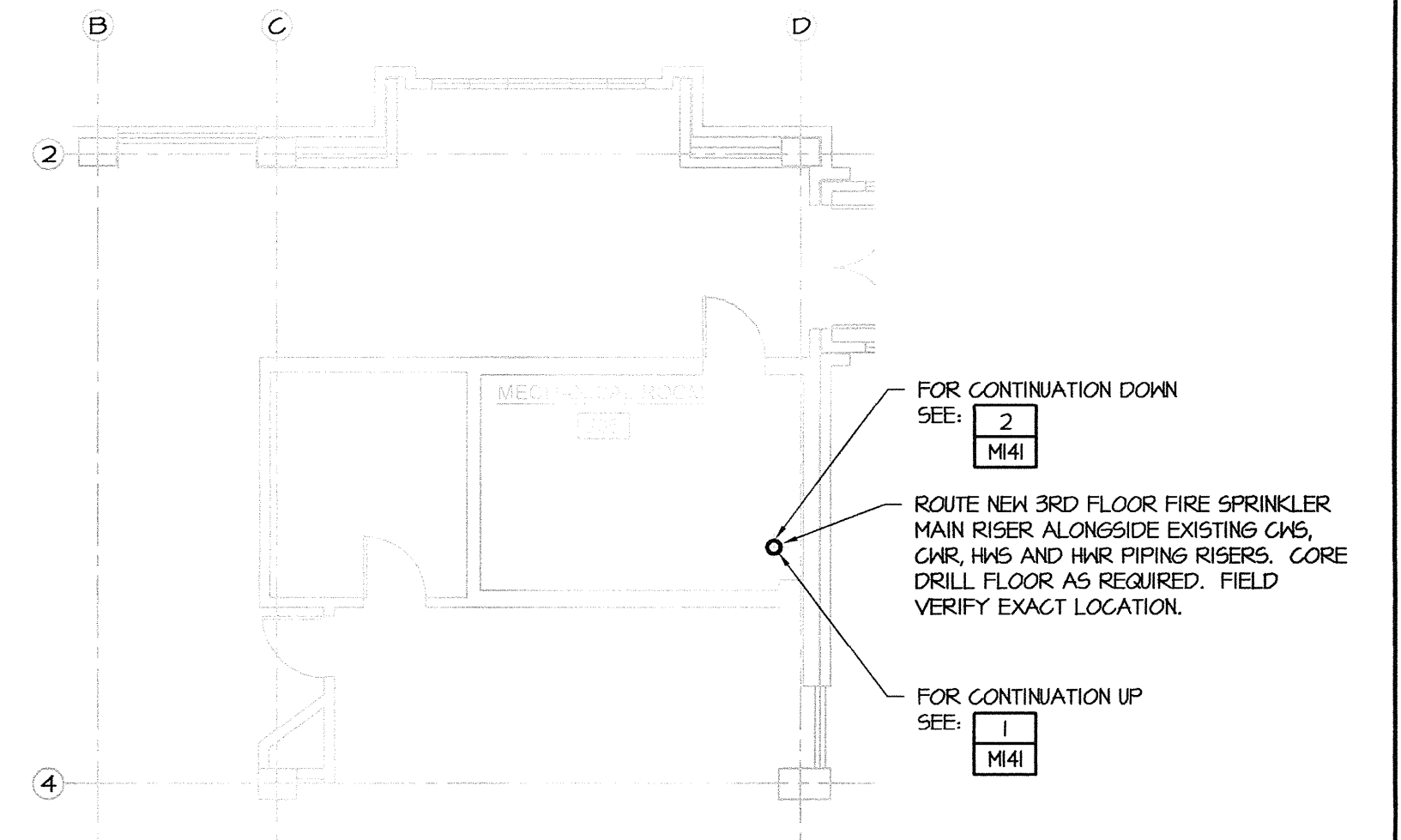
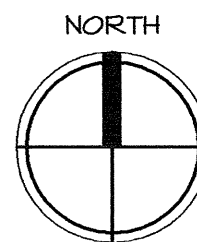
- ① FIRE SPRINKLER THIRD FLOOR CHILES WORK AREA IN ACCORDANCE WITH NFPA 13.
- ② ADJUST EXISTING THIRD FLOOR FIRE SPRINKLER HEAD LOCATIONS IN LILLIS WORK AREA TO MATCH NEW FLOOR PLAN IN ACCORDANCE WITH NFPA 13.
- ③ EXTEND EXISTING FIRE SPRINKLER SYSTEM TO PROVIDE COVERAGE FOR EXPOSED COMBUSTIBLE CEILING IN THIS AREA.



**CHILES PARTIAL 1ST FLOOR FIRE PROTECTION PLAN**

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

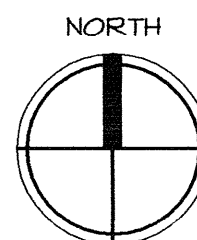
2  
M141



**CHILES PARTIAL 2ND FLOOR FIRE PROTECTION PLAN**

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

3  
M141



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411 HIGH STREET  
EUGENE, OREGON 97401-2427  
PHONE: 541.342.7219  
FAX: 541.342.7220  
WWW.SYSTEMSWESTENGINEERS.COM

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CHECKED:		

# SYMBOLS AND ABBREVIATIONS LEGEND

## LOW-VOLTAGE ELECTRICAL CONDUCTORS & CABLES

- NEW CONCEALED RACEWAY AND WIRE. NUMBER OF SLASHES INDICATES NUMBER OF CONDUCTORS IF MORE THAN TWO. SIZE OTHER THAN #12 AS NOTED. (APPLIES TO ALL WIRING SYMBOLS)
- EXISTING CONCEALED RACEWAY AND WIRE.
- UNDERGROUND OR UNDERFLOOR RACEWAY
- HOMERUN
- SIGNAL WIRING. F = FIRE ALARM, I = INTERCOM, C = LOW VOLTAGE CONTROL, T = TELEPHONE, D = DATA, TV = TELEVISION, P = CLOCK PROGRAM, PC = PHOTO CONTROL

## GROUNDING & BONDING FOR ELECTRICAL SYSTEMS



GROUND

## RACEWAYS & BOXES FOR ELECTRICAL SYSTEMS

- CONDUIT UP
- CONDUIT DOWN
- FLEXIBLE CONNECTION
- JUNCTION BOX
- FLOOR BOX JUNCTION BOX

## LIGHTING CONTROL EQUIPMENT

- POWER PACK
- LIGHT LEVEL SENSOR, PHOTO CELL
- CEILING MOUNTED MOTION SENSOR COMPLETE SYSTEM WITH POWER PACK.
- EMERGENCY LIGHTING RELAY
- LIGHTING CONTROL PANEL

## PANELBOARDS

- PANELBOARD

## ELECTRICAL CABINETS & ENCLOSURES

- TERMINAL CABINET
- ELECTRICAL EQUIPMENT AS INDICATED ON DRAWINGS

## WIRING DEVICES

- SWITCH. "a" = CIRCUITS CONTROLLED, "k" = KEY SWITCH, "P" = W/PILOT LIGHT, "2" = DOUBLE POLE, "3" = THREE-WAY, "M" = AUTOMATIC WALL SWITCH, "D" = DIMMING SWITCH, "TS" = DIGITAL TIMER SWITCH
- DUPLEX RECEPTACLE - "WP" = WEATHERPROOF, "GFI" = GROUND FAULT INTERRUPTER TYPE, "M" = MOUNTING HEIGHT, "2" = CIRCUIT @ 150" = WITH ISOLATED GROUND, "SRG" = WITH SURGE SUPPRESSION, "TP" = TAMPER PROOF COVER, "L" = LOCKING
- DEDICATED DUPLEX RECEPTACLE WITH ISOLATED GROUND.
- DUPLEX RECEPTACLE, EMERGENCY POWER
- DOUBLE DUPLEX (QUAD) RECEPTACLE
- FOURPLEX RECEPTACLE, EMERGENCY POWER
- SINGLE RECEPTACLE
- SPECIAL RECEPTACLE
- SURFACE RECEPTACLE RACEWAY
- FLOOR BOX RECEPTACLE
- QUAD FLOOR BOX RECEPTACLE

## MOTOR & CIRCUIT DISCONNECTS

- COMBINATION MOTOR STARTER/DISCONNECT SWITCH
- DISCONNECT SWITCH
- MOTOR STARTER
- MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION & LOCKABLE OFF COVER
- MOTOR

## LIGHTING FIXTURES

- AI FIXTURE IDENTIFIER. FIXTURE TYPE "AI" SEE LIGHTING FIXTURE SCHEDULE.
- SURFACE MOUNT FLUORESCENT - DRAWN TO SCALE WHERE POSSIBLE
- RECESSED FLUORESCENT
- RECESSED FLUORESCENT - SHADING INDICATES EMERGENCY BATTERY BALLAST (APPLIES TO ALL LUMINAIRES)
- FLUORESCENT STRIP
- FLUORESCENT LUMINAIRE IN 4', 8', & 12' LENGTHS, MOUNTED END-TO-END WHERE SHOWN
- PENDANT-MOUNTED FIXTURE
- UNDERCABINET FLUORESCENT
- WALL-MOUNTED FLUORESCENT FIXTURES
- WALL MOUNT FIXTURE
- RECESSED WALL FIXTURE
- SURFACE/PENDANT DOWNLIGHT
- RECESSED DOWNLIGHT
- UNIVERSAL MOUNT EXIT LIGHT, SHADED SIDE INDICATES FACE OR FACES.

## DATA COMMUNICATIONS

- COMBINATION PHONE/DATA 4-POSITION PORT (2) = 2 ACTIVE PORTS
- COMBINATION PHONE/DATA FLOOR BOX
- TV OUTLET

## FIRE DETECTION & ALARM

- FIRE ALARM SYSTEM MANUAL PULL STATION
- FIRE ALARM SYSTEM BELL
- FIRE ALARM SYSTEM HORN V = VOICE, WP = WEATHERPROOF
- FIRE ALARM SYSTEM HORN W/ STROBE LIGHT. MOUNT @ 80" A.F.F.
- FIRE ALARM SYSTEM ANNUNCIATOR
- FIRE ALARM MAGNETIC DOOR HOLDER
- FIRE ALARM STROBE
- FIRE ALARM CHIME
- FIRE ALARM FLOW SWITCH
- FIRE ALARM TAMPER SWITCH
- FIRE ALARM SYSTEM SMOKE DETECTOR D = DUCT DETECTOR R = RELAY BASE
- COMBINATION FIXED TEMPERATURE AND RATE OF RISE DETECTOR
- FIRE/SMOKE DAMPER
- SMOKE DAMPER
- FIRE DAMPER
- FIRE ALARM PANEL

## GENERAL NOTES:

- THE FACILITY WILL REMAIN IN OPERATION DURING CONSTRUCTION. COORDINATE ALL SHUTDOWNS AND CONSTRUCTION ACTIVITY WITH FACILITIES STAFF.
- SIZE AND LOCATION OF ALL EXISTING ELECTRICAL EQUIPMENT IS APPROXIMATE. CONTRACTOR SHALL SITE VERIFY THE EXACT LOCATION OF EXISTING AND CONSTRUCT ALL WORK FROM FIELD DIMENSIONS. CONTRACTOR SHALL MAKE ADJUSTMENTS NECESSARY TO ACCOMMODATE MINOR DEVIATIONS AT NO COST TO OWNER.

## LUMINAIRE SCHEDULE

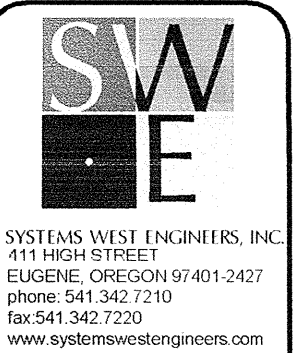
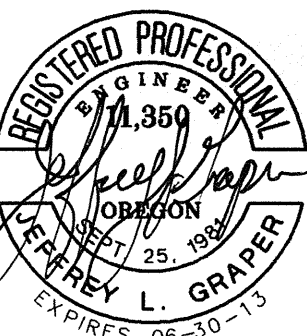
TYPE	DESCRIPTION	EXAMPLE MANUFACTURER	LAMP	NOTES
'AI'	8" X 48" LEDALITE SONA DIRECT/INDIRECT	SONA T106 T02 P N I I C 66% UP & 44% DOWN	(2) F32T8 4100K 3150 INLUMENS (.59_W)	MOUNTING :SUSPENDED AIRCRAFT CABLE HOUSING :STEEL LENS/REFL:SEMI-SPECULAR LOUVER VOLTAGE :120V BALLAST :PROGRAM RAPID START, 0.7I BALLAST FACTOR MISC :
'AIE'	8" X 48" LEDALITE SONA DIRECT/INDIRECT	SONA T106 T02 P N I I C 66% UP & 44% DOWN	(2) F32T8 4100K 3150 INLUMENS (.59_W)	MOUNTING :SUSPENDED AIRCRAFT CABLE HOUSING :STEEL LENS/REFL:SEMI-SPECULAR LOUVER VOLTAGE :120V BALLAST :PROGRAM RAPID START, 0.7I BALLAST FACTOR MISC :EMERGENCY BALLAST BODINE LP600STU
'AIF'	8" X 48" LEDALITE SONA DIRECT/INDIRECT	SONA T106 T02 P N I I C D5 66% UP & 44% DOWN	(2) F32T8 4100K 3150 INLUMENS (.59_W)	MOUNTING :SUSPENDED AIRCRAFT CABLE HOUSING :STEEL LENS/REFL:SEMI-SPECULAR LOUVER VOLTAGE :120V BALLAST :DIMMING BALLAST 0-10V MARK 7 WITH PHOTO SENSOR MISC :
'A2'	RECESSED DOWNLIGHT LED DOWNLIGHT 6" ALED GOTHAM	GOTHAM ALED ALED 41 18 6 WR 120	LED 4100 K 1800 LUMENS (.2736_W)	MOUNTING :RECESSED T-BAR HOUSING :STEEL LENS/REFL:SEMI-SPECULAR LOWER REFLECTOR VOLTAGE :120 V BALLAST : MISC :
'A3'	8" X 48" LEDALITE SONA DIRECT/INDIRECT	SONA T106 T02 P N I I C 54% UP & 46% DOWN	(2) F32T8 4100K 3150 INLUMENS (.59_W)	MOUNTING :SUSPENDED AIRCRAFT CABLE HOUSING :STEEL LENS/REFL:SEMI-SPECULAR LOUVER VOLTAGE :120V BALLAST :PROGRAM RAPID START, 0.7I BALLAST FACTOR MISC :
'A4'	1' X 4' LITHONIA LOW PROFILE WRAPAROUND NARROW BODY *LB*	LB LB 2 32 120	(2) F32T8 4100K 3150 INLUMENS (.59_W)	MOUNTING :STEM MOUNTING HOUSING :STEEL LENS/REFL:PRISMATIC DIFFUSER WITH LINEAR SIDE PRISMS VOLTAGE :120V BALLAST :PROGRAM RAPID START, 0.7I BALLAST FACTOR MISC :INDIVIDUAL INSTALLATION - TWO SINGLE-STEM HANGERS REQUIRED

## GENERAL

- EQUIPMENT IDENTIFIER, EXHAUST FAN I SHOWN
- SHEET REFERENCE NOTE
- PLAN OR DETAIL NUMBER SHEET NUMBER
- ROOM NUMBER
- EXISTING WORK SHOWN
- LIGHT
- NEW WORK SHOWN
- BOLD
- EXISTING TO BE REMOVED

## ABBREVIATIONS

- |       |  |      |                                     |
|-------|--|------|-------------------------------------|
| AFF   | ABOVE FINISHED FLOOR                     | IDF  | INTERMEDIATE DISTRIBUTION FRAME     |
| BLDG  | BLDG                                     | L.V. | LOW VOLTAGE                         |
| C     | CONDUIT                                  | MDF  | MAIN DISTRIBUTION FRAME             |
| cd    | CANDELA                                  | MECH | MECHANICAL                          |
| CKT   | CIRCUIT                                  | (N)  | NEW                                 |
| DIM   | 0-10V DIMMING                            | PNL  | PANEL                               |
| DSP   | DIGITAL SIGNAL PROCESSOR                 | PRS  | PROGRAM RAPID START                 |
| (E)   | EXISTING                                 | SHBD | SWITCHBOARD                         |
| ELEC  | ELECTRICAL                               | TIB  | TELEPHONE TERMINAL BOARD            |
| EMERG | EMERGENCY                                | TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSION |
| FAM   | FIRE ALARM MASTER                        | TYP  | TYPICAL                             |
| GFI   | GROUND FAULT INTERRUPTER                 | WG   | WIREGUARD                           |
| GND   | GROUND                                   | WP   | WEATHERPROOF                        |
| HVAC  | HEATING, VENTILATING, & AIR CONDITIONING |      |                                     |



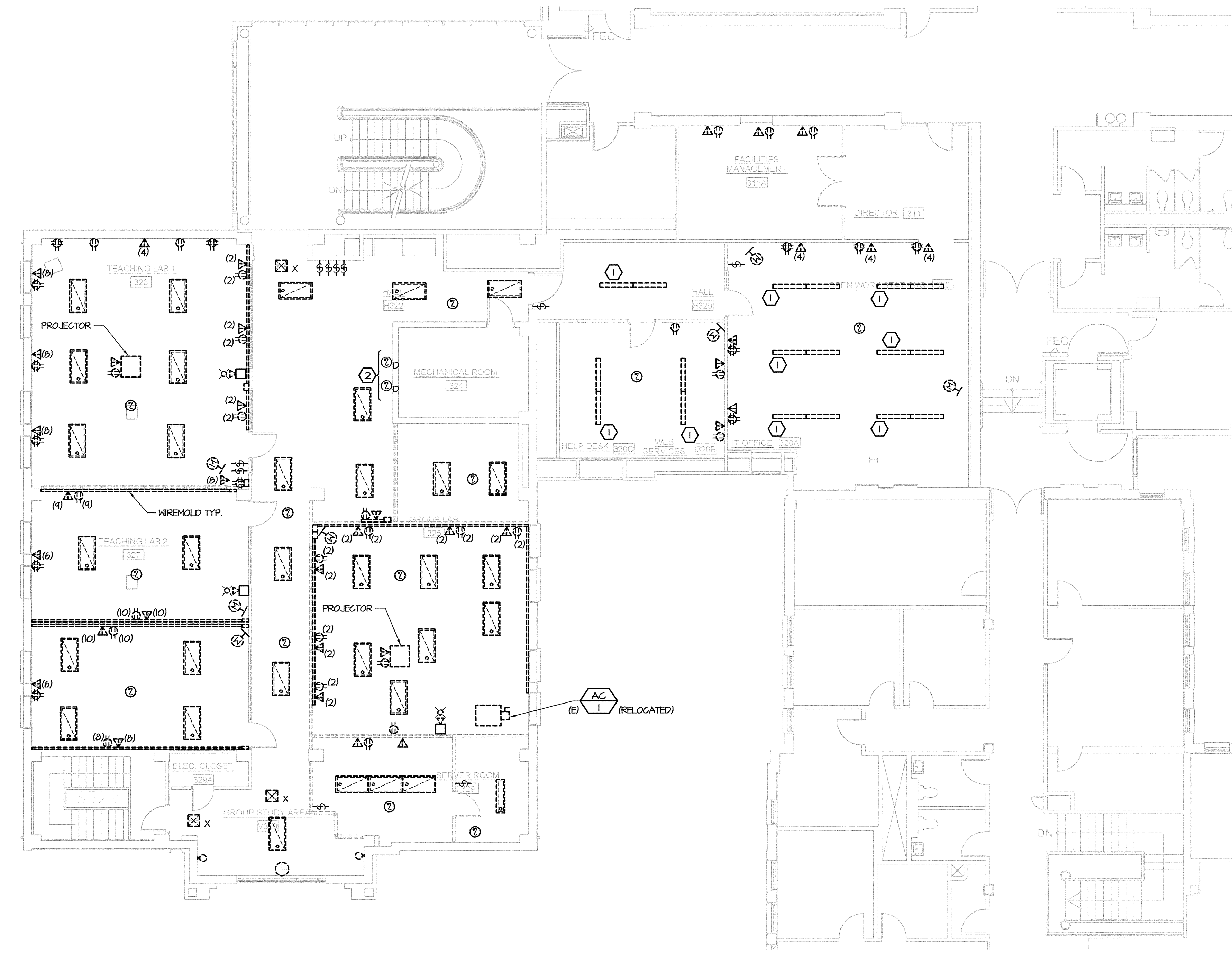
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LEGEND, GENERAL NOTES  
 & LUMINAIRE SCHEDULE

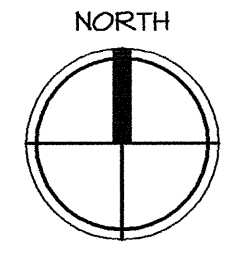
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**E001**





CHILES PARTIAL THIRD FLOOR PLAN - DEMOLITION 1  
 SCALE: 1/8" = 1'-0" E101



DEMOLITION NOTES:

- 1- SIZE AND LOCATION OF ALL EXISTING ELECTRICAL EQUIPMENT IS APPROXIMATE. CONTRACTOR SHALL SITE VERIFY THE EXACT LOCATION OF EXISTING AND CONSTRUCT ALL WORK FROM FIELD DIMENSIONS. CONTRACTOR SHALL MAKE ADJUSTMENTS NECESSARY TO ACCOMMODATE MINOR DEVIATIONS AT NO COST TO OWNER.
- 2- LIGHT LINE WORK INDICATES EXISTING ELECTRICAL CIRCUITRY AND OTHER ELECTRICAL EQUIPMENT. DASHED LINE WORK INDICATES ELECTRICAL DEVICES AND EQUIPMENT TO BE REMOVED.
- 3- WHERE EXISTING EQUIPMENT IS REMOVED AND NOT REPLACED IN THE SAME LOCATION, PATCH AND PAINT SURFACES TO MATCH ORIGINAL CONDITION.
- 4- REMOVE ALL ABANDONED RACEWAY AND WIRING.
- 5- RECONNECT ALL CIRCUITRY TO REMAINING DEVICES AND EQUIPMENT.
- 6- REMOVE ALL COMMUNICATIONS/DATA CABLING.
- 7- PROVIDE BLANK FACE PLATES FOR ALL SWITCHES AND COMMUNICATIONS/DATA BEING REMOVED.
- 8- WHERE ALL LOAD IS REMOVED FROM A BREAKER PROVIDE NEW TYPED PANEL SCHEDULE IDENTIFYING BREAKER AS "SPARE"
- 9- CONTRACTOR SHALL REMOVE LAMPS AND BALLASTS FROM DEMOLISHED FIXTURES. REFER TO SPECIFICATIONS FOR DISPOSAL REQUIREMENTS.

REFERENCE NOTES:

- ① (E) FIXTURES TO BE RELOCATED. SEE LIGHTING PLAN.
- ② REINSTALL (E) DUCT DETECTORS - SEE POWER & SIGNAL PLAN.



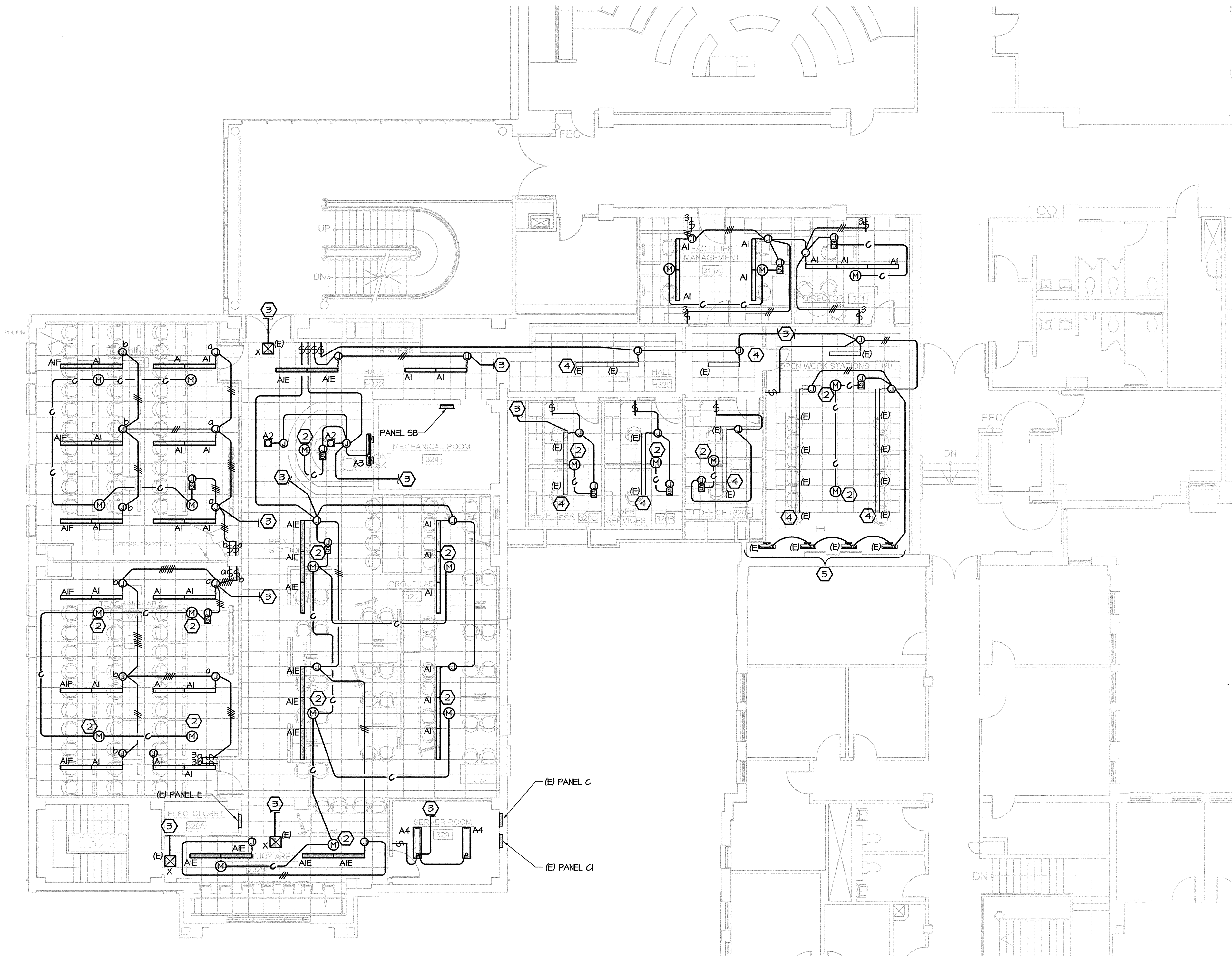
**SW E**  
 SYSTEMS WEST ENGINEERS, INC.  
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CHILES PARTIAL THIRD  
 FLOOR PLAN  
 DEMOLITION

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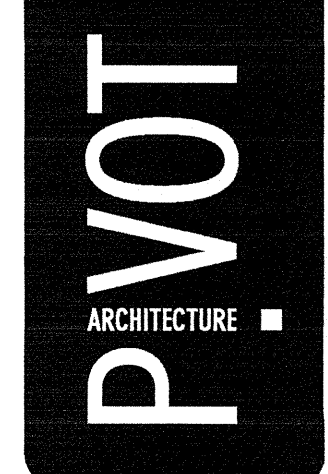
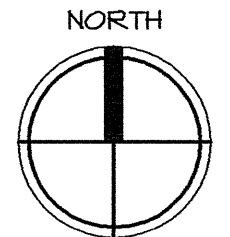
E101



- REFERENCE NOTES:
- 1 PROVIDE HANDLE-TIE AT THE PANEL CIRCUIT BREAKERS WHERE MULTIPLE CIRCUITS SHARE NEUTRALS, TYP.
  - 2 MOTION SENSOR SENSORSWITCH GM-PDT-LT. PROGRAMMED FOR 30 MINUTES DELAY.
  - 3 CONNECT TO EXISTING CIRCUITRY.
  - 4 RELOCATE EXISTING FIXTURES AND RECONNECT.
  - 5 RECONNECT (E) FIXTURES TO NEW CIRCUITRY.

1 CHILES PARTIAL THIRD FLOOR PLAN - LIGHTING  
 SCALE: 1/8" = 1'-0"

1
EIII



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CHILES PARTIAL THIRD  
 FLOOR PLAN  
 LIGHTING

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CHILES PARTIAL THIRD &  
1ST FLOOR PLANS  
POWER & SIGNAL

PROJECT NO:	DATE:	REVISIONS:
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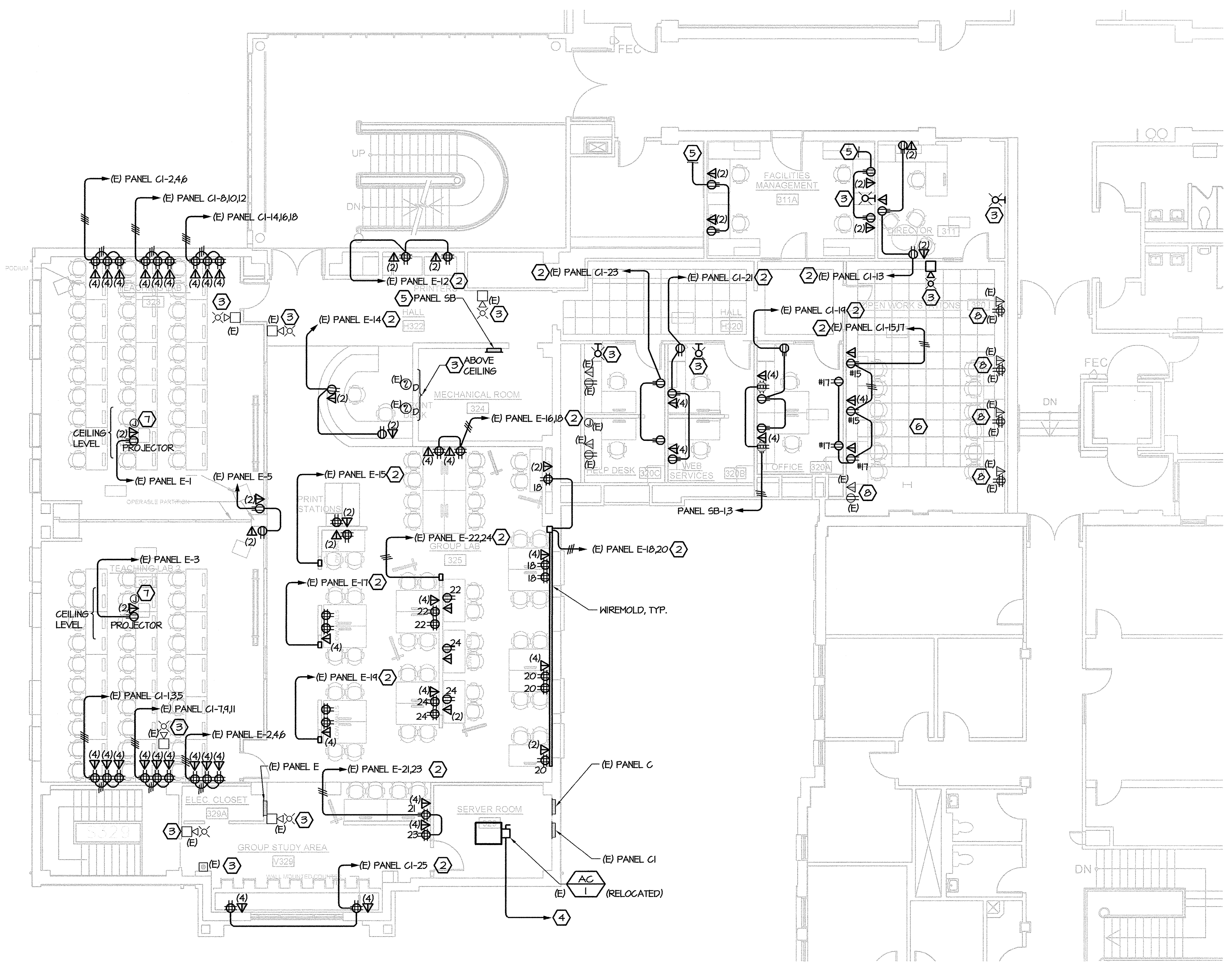
**E121**

- REFERENCE NOTES:
- PROVIDE HANDLE-TIE AT THE PANEL CIRCUIT BREAKERS WHERE MULTIPLE CIRCUITS SHARE NEUTRALS, TYP.
  - PROVIDE A 1P - 20 AMP BREAKER AT EXISTING PANEL.
  - CONNECT TO (E) FIRE ALARM SYSTEM.
  - CONNECT AND EXTEND (E) CIRCUITRY TO MECHEQUIPMENT NEH LOCATION.
  - PROVIDE A 3P - 125A BREAKER AT MDA-BSW2 LOCATED AT BASEMENT AND A FEEDER 1 1/2" C - 4 #1 & 1 # 6 GND.
  - (E) FLOOR BOXES TO REMAIN IN SERVICE.
  - PROVIDE (2) 1" C TO MEDIA CLOSET - SEE ARCH.
  - CONNECT TO (E) CIRCUITRY.

DESCRIPTION	LOAD (AMP)	BREAKER (AMP/POLE)	CIRCUIT AND PHASE	BREAKER (AMP/POLE)	LOAD DESCRIPTION (AMP)
R.IT 01B320A	6.0	20/1	1A 12A	20/1	0.0 SPARE
R.IT 01F320A	6.0	20/1	3B 14B	20/1	0.0 SPARE
SPARE	0.0	20/1	5C 16C	20/1	0.0 SPARE
SPARE	0.0	20/1	7A 18A	20/1	0.0 SPARE
SPARE	0.0	20/1	9B 110B	20/1	0.0 SPARE
SPARE	0.0	20/1	11C 112C	20/1	0.0 SPARE
SPARE	0.0	20/1	13A 114A	20/1	0.0 SPARE
SPARE	0.0	20/1	15B 116B	20/1	0.0 SPARE
SPARE	0.0	20/1	17C 118C	20/1	0.0 SPARE
SPARE	0.0	20/1	19A 120A	20/1	0.0 SPARE
SPARE	0.0	20/1	21B 122B	20/1	0.0 SPARE
SPARE	0.0	20/1	23C 124C	20/1	0.0 SPARE
SPARE	0.0	20/1	25A 126A	20/1	0.0 SPARE
SPARE	0.0	20/1	27B 128B	20/1	0.0 SPARE
SPARE	0.0	20/1	29C 130C	20/1	0.0 SPARE
SPARE	0.0	20/1	31A 132A	20/1	0.0 SPARE
SPARE	0.0	20/1	33B 134B	20/1	0.0 SPARE
SPARE	0.0	30/2	35C 136C	30/2	0.0 SPARE
SPARE	0.0		37A 138A		0.0
SPARE	0.0	30/2	39B 140B	30/2	0.0 SPARE
SPARE	0.0		41C 142C		0.0

AMP LOAD	A	B	C
CONNECTED DEMAND	6.0	6.0	0.0
DEMAND LOAD	6.0	6.0	0.0
SPARE LOAD			6.0
CONT LOAD			0.9
TOTAL LOAD			6.9
GROWTH			0.7
DESIGN LOAD			7.6

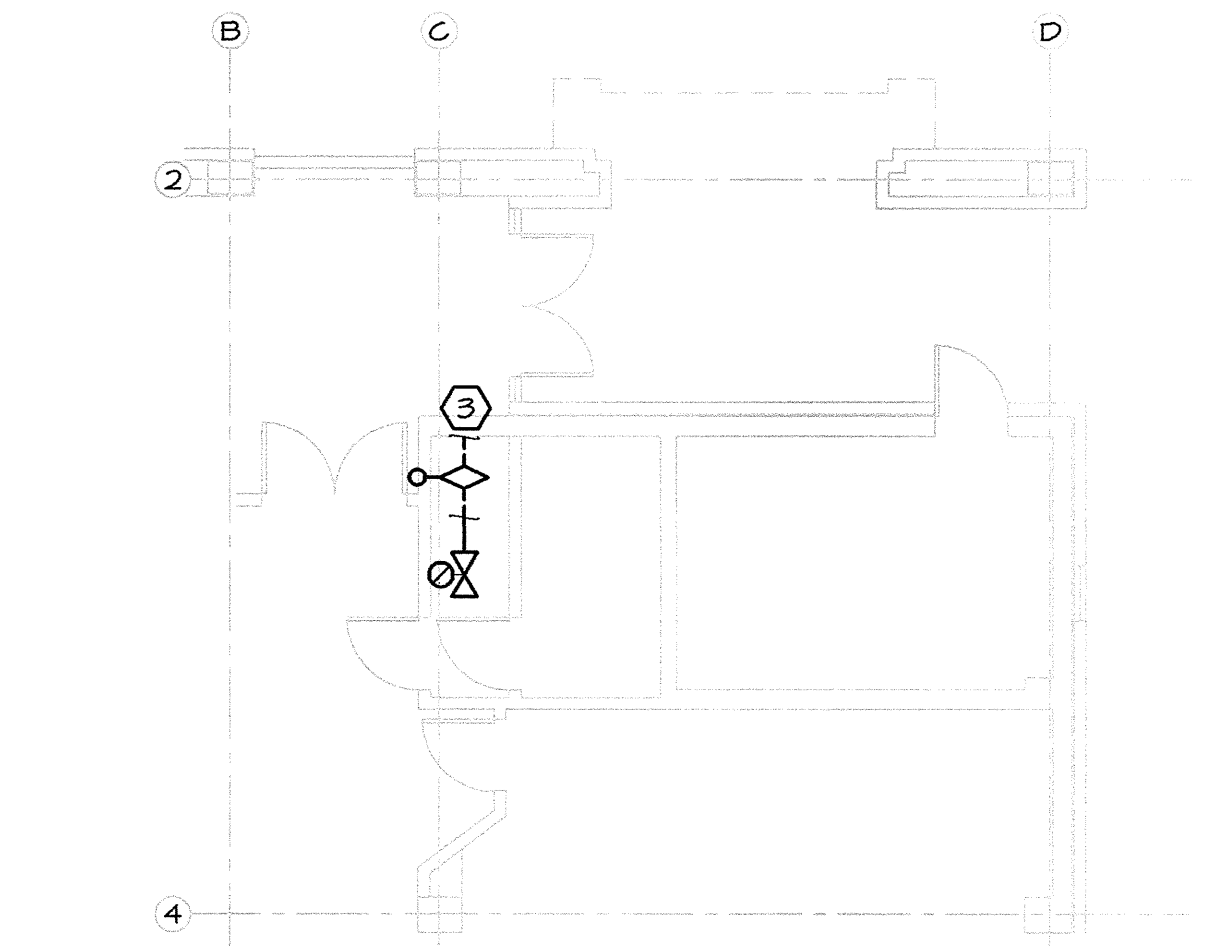
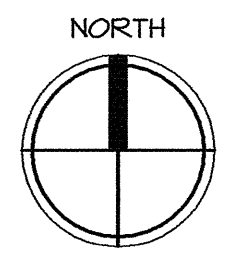


**1 CHILES PARTIAL THIRD FLOOR PLAN - POWER & SIGNAL**

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

N O T E: ALL DATA WIRING TO BE RUN TO LILLIS DATA CLOSET

1  
E121



**2 CHILES PARTIAL 1ST FLOOR FIRE PROTECTION PLAN**

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

2  
E121

