

# CT INNOVATIONS – COLT BUILDING

AMENTA|EMMA ARCHITECTS

## BID SET

120 Huyshope Ave - 4th Floor  
Hartford, CT 06106

12.13.2019

SHEET NO.	DRAWING TITLE
G0.00	COVER, DRAWING INDEX, ALTERNATES, EGRESS PLAN, CODE INFORMATION, ABBREVIATIONS
G1.00	GENERAL NOTES, SYMBOLS, GRAPHICS LEGEND
G1.01	TYPICAL MOUNTING HEIGHTS AND CLEARANCES
D1.00	PARTIAL 4TH FLOOR DEMOLITION PLANS, DEMOLITION KEY NOTES
A1.00	PARTIAL 4TH FLOOR CONSTRUCTION AND DIMENSION PLAN
A2.00	INTERIOR ELEVATIONS
A3.00	DOOR AND WINDOW SCHEDULES, DOOR DETAILS
A4.00	PARTIAL 4TH FLOOR REFLECTED CEILING PLAN
A5.00	MILLWORK DETAILS
A6.00	FINISH PLAN AND SCHEDULE, FLOORING DETAILS
A7.00	FURNITURE AND FLOOR CORE PLANS
A8.00	SPECIFICATIONS
A8.01	SPECIFICATIONS
A8.02	SPECIFICATIONS
A8.03	SPECIFICATIONS
A8.04	SPECIFICATIONS
A8.05	SPECIFICATIONS
S1.00	STRUCTURAL DETAILS
FP1.01	FOURTH FLOOR FIRE PROTECTION PLAN
FP2.01	FIRE PROTECTION DETAILS AND SPECIFICATIONS
P0.01	PLUMBING ABBREVIATIONS, GENERAL NOTES AND SYMBOL LIST
P0.02	PLUMBING SPECIFICATIONS
P1.01	FOURTH FLOOR PLUMBING PLAN
M0.01	MECHANICAL ABBREVIATIONS, GENERAL NOTES AND SYMBOL LIST
M0.02	MECHANICAL SPECIFICATION
M1.01	FOURTH FLOOR MECHANICAL DUCT AND PIPING PLAN
E0.01	ELECTRICAL ABBREVIATIONS, GENERAL NOTES, AND SYMBOL LIST
E0.02	ELECTRICAL SPECIFICATIONS
E1.01	FOURTH FLOOR LIGHTING PLAN
E2.01	FOURTH FLOOR POWER PLAN
Grand total: 30	

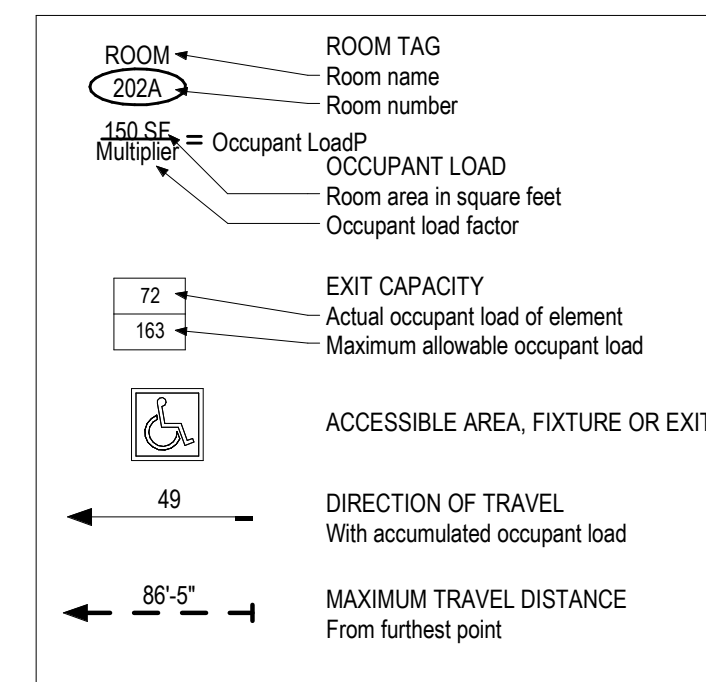
**NOTE:**  
SPECIAL INSPECTIONS ARE REQUIRED FOR BUILDING COMPONENTS WHEN THE DESIGN OF THESE COMPONENTS IS REQUIRED TO BE PERFORMED BY A PROFESSIONAL ENGINEER. GC TO REVIEW DRAWINGS FOR AREAS INDICATED WHERE STRUCTURAL STEEL FRAMING, WELDING, COLD FORMED STEEL FRAMING, ETC IS REQUIRED AND/OR INDICATED TO BE DESIGNED BY 'DELEGATED DESIGN'. A STATEMENT OF SPECIAL INSPECTIONS WILL BE COMPLETED AND SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL DURING PERMIT APPLICATION.  
  
INSPECTIONS SHALL BE PAID FOR BY THE OWNER. THE OWNER OR THEIR AGENTS SHALL EMPLOY AN APPROVED AGENCY TO PERFORM SPECIAL INSPECTIONS. SPECIAL INSPECTIONS MAY ONLY BE PERFORMED BY QUALIFIED SPECIAL INSPECTORS APPROVED BY THE BUILDING OFFICIAL. SPECIAL INSPECTION CONTRACTS WITH THE OWNER WILL BE HOURLY WITH AN ESTIMATED BUDGET SINCE THE INSPECTOR HAS NO CONTROL OVER THE QUALITY OF THE WORK, OR THE MEANS AND METHODS USED BY THE GENERAL CONTRACTOR IN THE INSTALLATION OF THE WORK. SPECIAL INSPECTIONS ARE NOT A SUBSTITUTE FOR THE GENERAL CONTRACTOR'S QUALITY CONTROL (QC) PROGRAMS.

**OWNER:**  
COLT GATEWAY, LLC  
140 HUYSHOPE AVE  
SUITE 101  
HARTFORD, CT 06106

**TENANT:**  
CT INNOVATIONS  
865 BROOK STREET  
ROCKY HILL, CT 06067

**ARCHITECT:**  
AMENTA|EMMA ARCHITECTS, P.C.  
242 TRUMBULL STREET  
HARTFORD, CT 06103  
860.549.4725

**MEP ENGINEER:**  
RZ DESIGN ASSOCIATES  
750 OLD MAIN ST  
ROCKY HILL, CT 06067



- ALTERNATE 1** PROVIDE ELMS 656-01-0001 (5'-0") DOOR PULL WITH CLOSER IN LIEU OF DOOR LEVER FOR HARDWARE SET #2
- ALTERNATE 2** DEDUCT ALTERNATE- TO CHANGE ACT-2 & ACT-3 TO ARMSTRONG ULTIMA REGULAR
- ALTERNATE 3** IN LIEU OF CHEMICAL REMOVAL OF PAINT AT BRICK WALL, REMOVE IT VIA SANDBLAST REMOVAL.

OCCUPANCY / EGRESS LEGEND

ALTERNATE SCHEDULE

### DRAWING INDEX

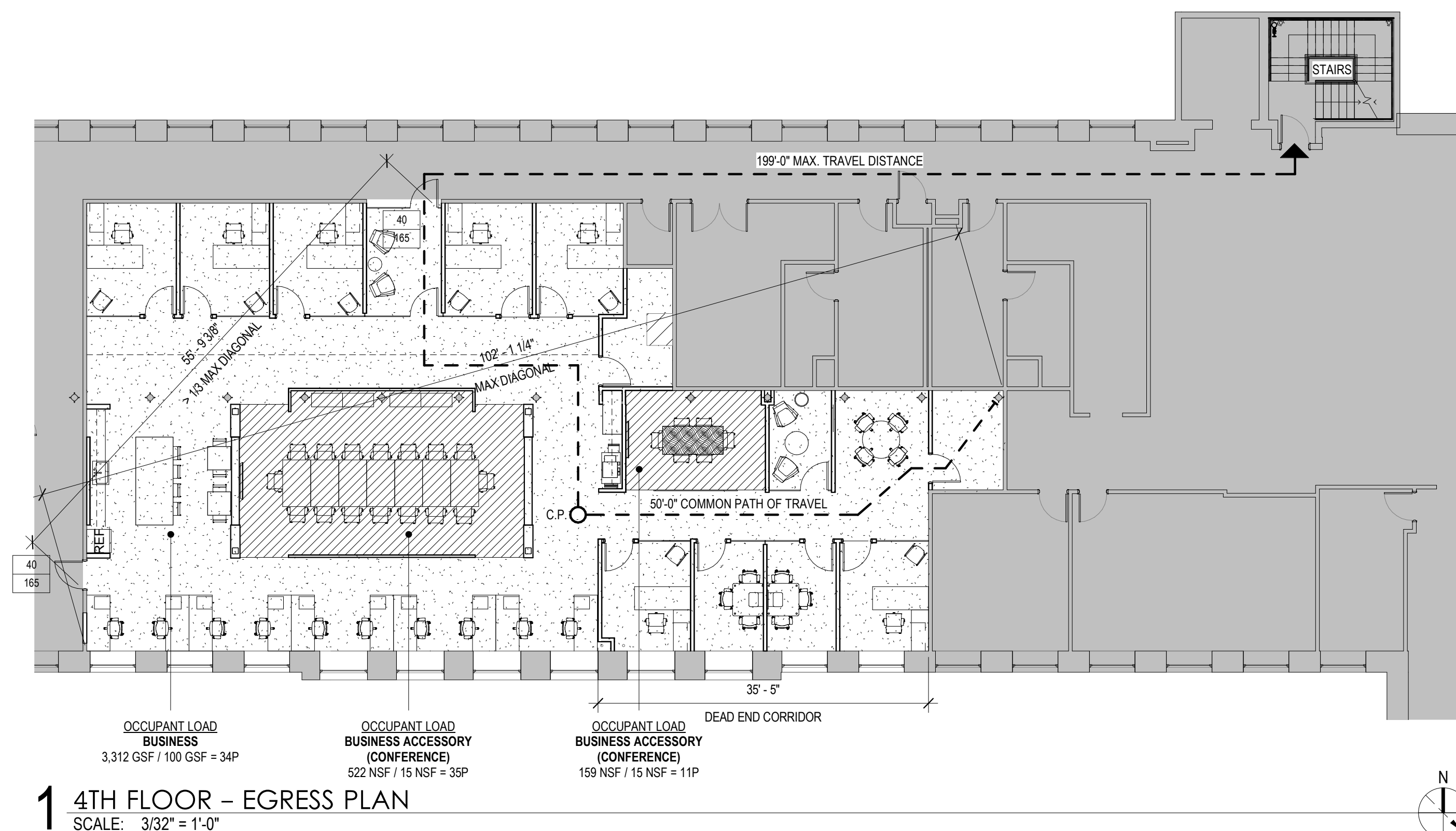
#### STATE BUILDING CODE (IBC International Building Code 2015, as supplemented in 2018)

- APPLICABLE CODES:  
- 2015 INTERNATIONAL BUILDING CODE, 2018 CONNECTICUT SUPPLEMENT  
- 2015 INTERNATIONAL FIRE CODE, 2018 CONNECTICUT SUPPLEMENT  
- 2010 AMERICANS WITH DISABILITIES ACT AND ASSOCIATED GUIDELINES  
- 2009 ICC/ANSI A117.1 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, 2018 CONNECTICUT SUPPLEMENT  
- 2015 INTERNATIONAL PLUMBING CODE, 2018 CONNECTICUT SUPPLEMENT  
- 2015 INTERNATIONAL MECHANICAL CODE, 2018 CONNECTICUT SUPPLEMENT  
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE, 2018 CONNECTICUT SUPPLEMENT  
- 2017 NATIONAL ELECTRICAL CODE NFPA 70, 2018 CONNECTICUT SUPPLEMENT  
- 2015 INTERNATIONAL EXISTING BUILDING CODE, 2018 CONNECTICUT SUPPLEMENT

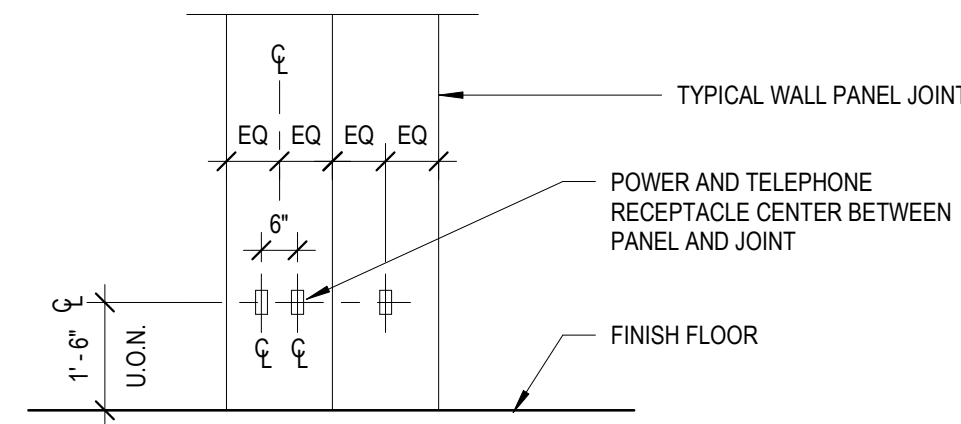
- 2018 CONNECTICUT STATE FIRE SAFETY CODE  
Part I: ADMINISTRATIVE  
Part II: GENERAL  
Part III: NEW CONSTRUCTION, RENOVATION, OR CHANGE OF USE  
2015 INTERNATIONAL FIRE CODE  
Part IV: EXISTING BUILDING / OCCUPANCIES

1. USE GROUP CLASSIFICATION (SECTION 304)	B (BUSINESS)	
2. CONSTRUCTION TYPE (TABLE 503)	IIB (ASSUMED)	
MINIMUM TYPE REQUIRED	IIB	
ACTUAL TYPE PROVIDED	IIB	
3. FIRE RESISTANCE RATINGS (TABLE 601)		
STRUCTURAL FRAME	0	HR(S)
BEARING WALLS (EXTERIOR)	0	HR(S)
BEARING WALLS (INTERIOR)	0	HR(S)
NON BEARING WALLS (EXTERIOR)	0	HR(S)
NON BEARING WALLS (INTERIOR)	0	HR(S)
FLOOR CONSTRUCTION	0	HR(S)
ROOF CONSTRUCTION	N/A	HR(S)
TENANT SEPERATIONS	0	HR(S)
EXIT ACCESS CORRIDORS	0	HR(S)
SHAFTS AND ELEVATOR HOISTWAYS	N/A	HR(S)
EXIT ENCLOSURES	N/A	HR(S)

3. EXIT ACCESS TRAVEL DISTANCE (TABLE 1015.1)	
USE GROUP CLASSIFICATION	B (BUSINESS)
MAXIMUM ALLOWABLE	300'
MAXIMUM PROVIDED	199'-0"
COMMON PATH OF TRAVEL (1013.3)	
MAXIMUM ALLOWABLE	100'
MAXIMUM PROVIDED	50' - 0"
4. OCCUPANCY LOAD (TABLE 1004.1.2)	
USE GROUP CLASSIFICATION	B (BUSINESS)
USABLE SQUARE FOOTAGE	3,993
TOTAL OCCUPANT LOAD	80
BUSINESS ACCESSORY (CONFERENCE):	522 / 15 = 35P 159 / 15 = 11P 46P
BUSINESS:	3,312 / 100 = 34P
TOTAL:	80P
5. FIRE PROTECTION SYSTEMS	
AUTOMATIC SPRINKLER SYSTEM PER 903.3.1.1	THROUGHOUT

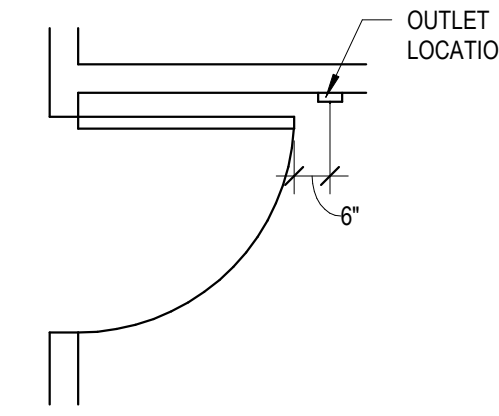




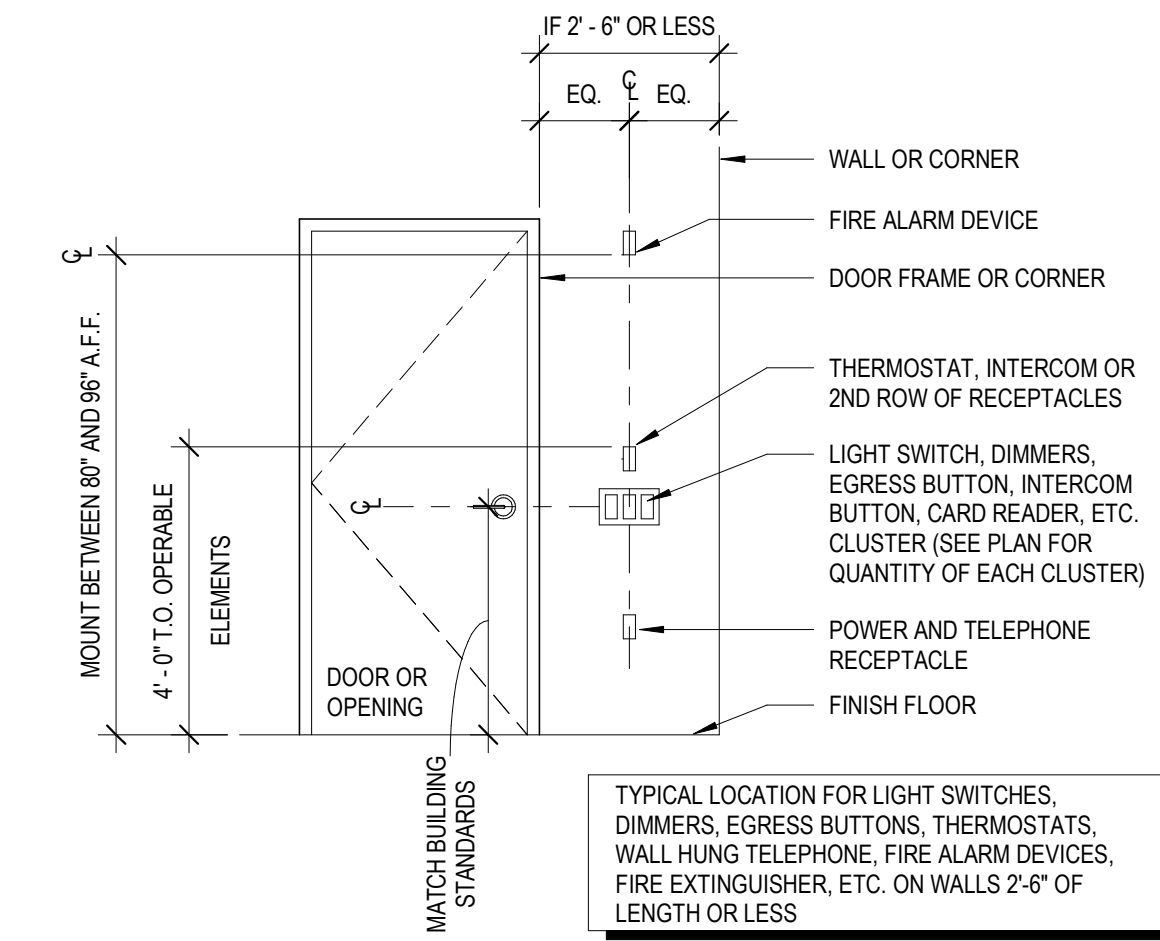


**12** TYPICAL MOUNTING HEIGHTS IN A WALL PANEL ASSEMBLY  
SCALE: 3/8" = 1'-0"

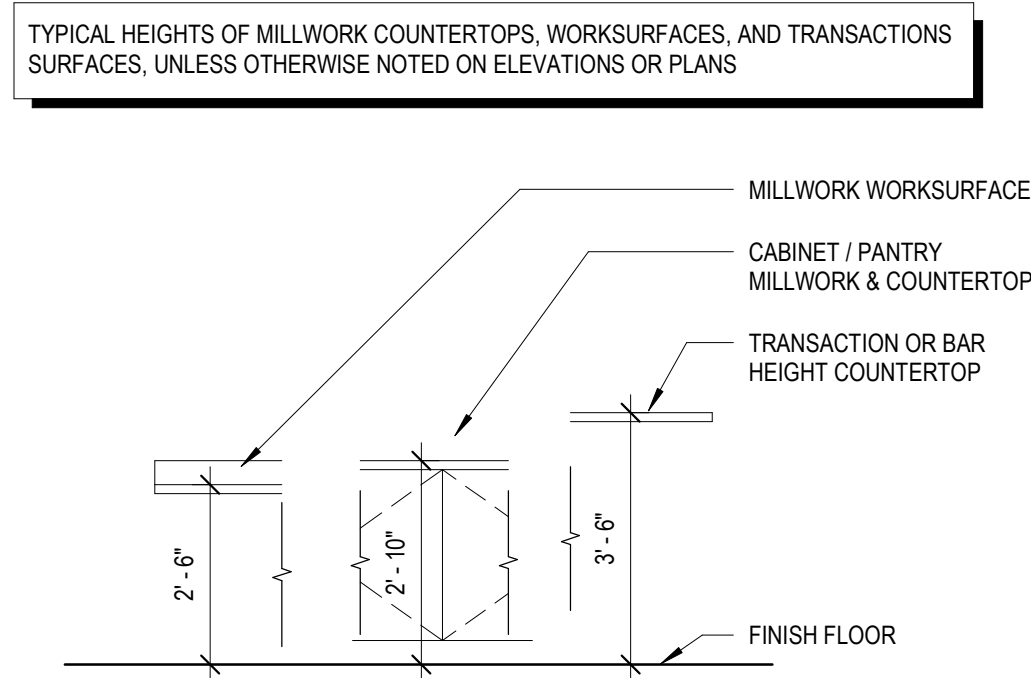
**NOTE:** ALL GANG OUTLETS SHALL BE VERTICALLY MOUNTED 18" A.F.F. AT DEVICE C.L.  
ALL GANG OUTLETS SHALL BE HORIZONTALLY MOUNTED AT 6"



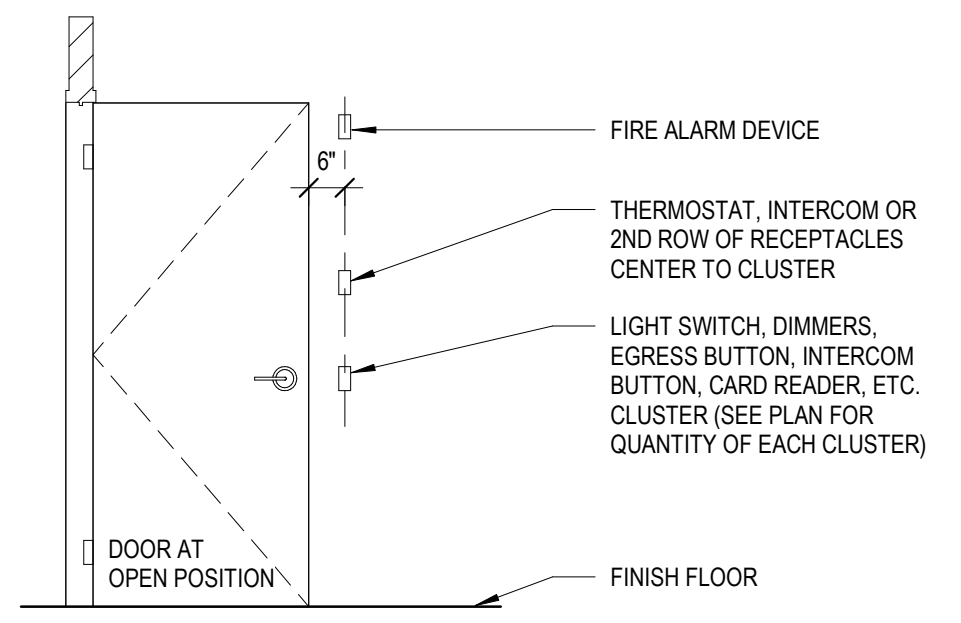
**8** TYPICAL MOUNTING LOCATION OF OUTLET AT DOOR WHEN OPEN  
SCALE: 3/8" = 1'-0"



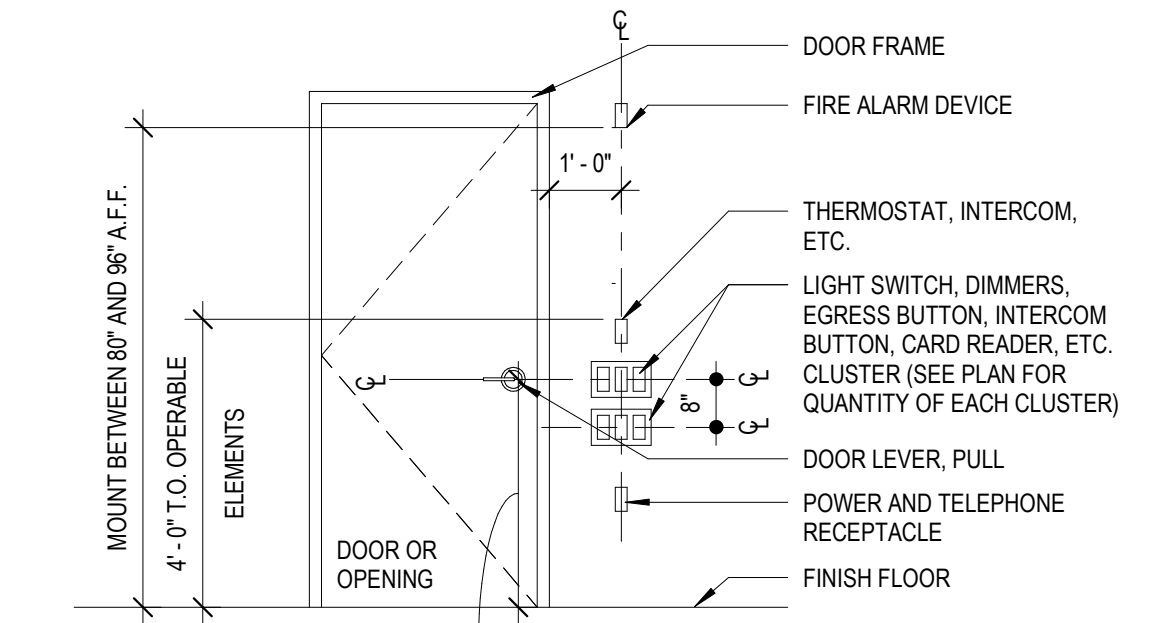
**4** TYPICAL MOUNTING HEIGHTS AT CORNER CONDITION  
SCALE: 3/8" = 1'-0"



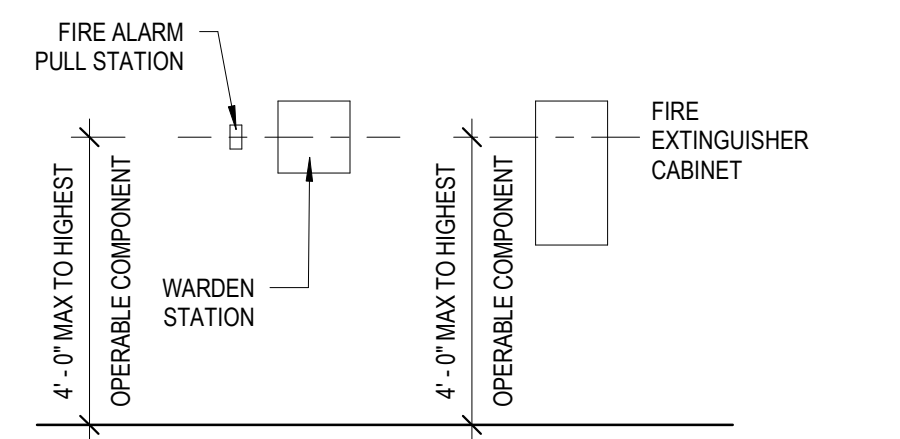
**11** TYPICAL SURFACE HEIGHTS  
SCALE: 3/8" = 1'-0"



**7** TYPICAL MOUNTING HEIGHTS AT DOOR WHEN OPEN  
SCALE: 3/8" = 1'-0"



**3** TYPICAL MOUNTING HEIGHTS AT DOOR/OPENINGS  
SCALE: 3/8" = 1'-0"



**14** TYPICAL MOUNTING HEIGHTS AT FIRE PROTECTION EQUIPMENT  
SCALE: 3/8" = 1'-0"

TYPICAL LOCATION FOR FIRE ALARM PULL STATION, WARDEN STATION & FIRE EXTINGUISHER CABINETS

REFER TO BIG1.01 FOR PLAN DIAGRAM  
TYPICAL LOCATION FOR LIGHT SWITCHES, DIMMERS, EGRESS BUTTONS, THERMOSTATS, WALL HUNG TELEPHONE, FIRE ALARM DEVICES, FIRE EXTINGUISHER, ETC. FOR DOORS AT OPEN POSITION

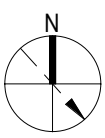
TYPICAL LOCATION FOR TWO ROWS OF LIGHT SWITCHES, DIMMERS, EGRESS BUTTONS, THERMOSTATS, ETC.

CT INNOVATIONS

CT INNOVATIONS - COLT BUILDING  
120 Huyslope Ave - 4th Floor  
Hartford, CT 06106

CONSULTANTS

KEY PLAN



PROJECT DATA

PROJECT NUMBER	19039
CURRENT SUBMISSION DATE	12.13.2019
DRAWN	Author
CHECKED	Checker
SCALE	As indicated
FILE REFERENCE	C:\Users\inmm\Documents\19039_CT INNOVATIONS - COLT GATEWAY_CENTRAL_2019_nmm.rvt

HISTORY OF SUBMISSIONS

No.	Date	Description

BID SET

SHEET TITLE

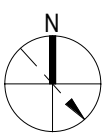
TYPICAL MOUNTING HEIGHTS AND CLEARANCES

CT INNOVATIONS

CT INNOVATIONS – COLT BUILDING  
 120 Huyshope Ave - 4th Floor  
 Hartford, CT 06106

CONSULTANTS

KEY PLAN



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PROJECT NUMBER	19039
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DRAWN	NNM
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BID SET

SHEET TITLE

PARTIAL 4TH FLOOR DEMOLITION PLANS, DEMOLITION KEY NOTES

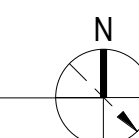
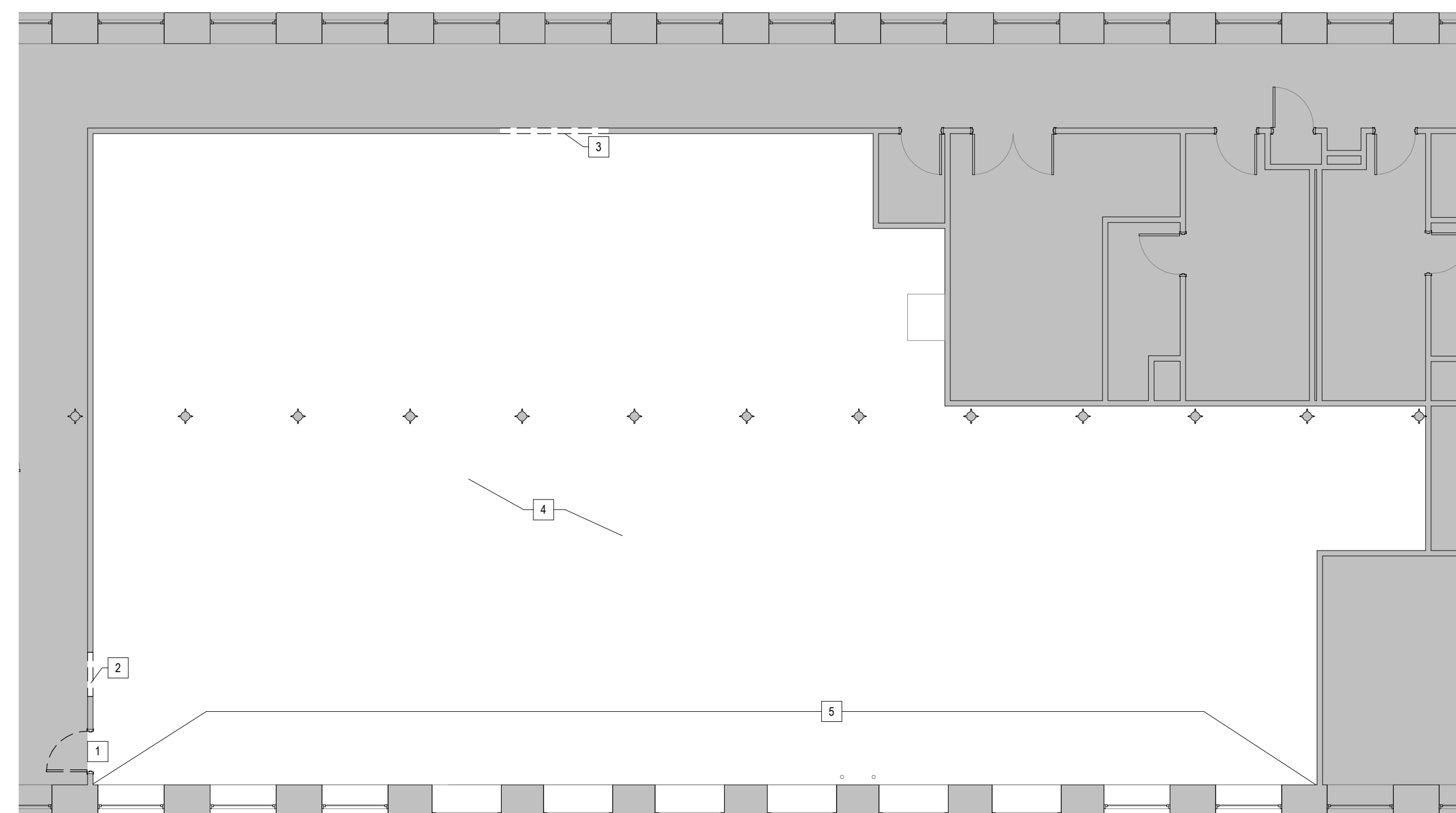
D1.00.

AEA KEYNOTES - DEMOLITION PLANS

1	REMOVE EXISTING DOOR, FRAME AND HARDWARE IN ITS ENTIRETY AND RETURN TO OWNER.
2	REMOVE PORTION OF EXISTING WALL AS REQUIRED FOR NEW TENANT DOOR.
3	REMOVE PORTION OF EXISTING WALL AS REQUIRED FOR NEW TENANT GLASS WALL AND GLASS ENTRY DOOR
4	REMOVE LOOSE AND SPALLING PAINT FROM EXISTING CEILING AND PREPARE AS REQUIRED FOR NEW PAINT FINISH
5	CHEMICALLY REMOVE EXISTING PAINT FROM EXISTING BRICK WALL. PREPARE WALL FOR NEW PAINT FINISH. PROVIDE ALTERNATE FOR SANDBLAST REMOVAL.

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED

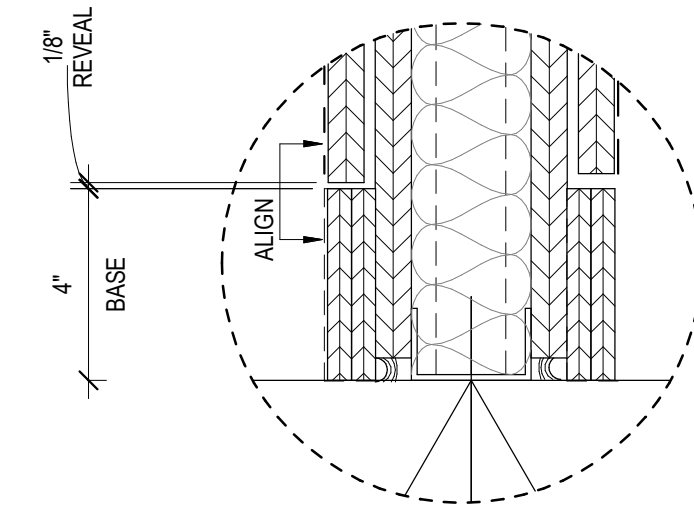
DEMOLITION PLAN LEGEND



GENERAL DEMOLITION NOTES

1	DEMOLITION PLANS SHOW APPROXIMATE LAYOUT OF EXISTING PARTITIONS, DOORS, WINDOWS, FURNITURE, ETC. AND ARE NOT INTENDED TO REPRESENT AS-BUILT CONDITIONS. ALL INFORMATION MUST BE VERIFIED ON SITE.
2	ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH ANSI A10.6, THE STATE DEMOLITION CODE, THE CONSTRUCTION SAFETY AND HEALTH REGULATIONS AND REQUIREMENTS OF THE LOCAL AUTHORITIES. A FIRE WATCH SHALL BE PROVIDED AS REQUIRED.
3	NO BUILDING ELEMENTS SHALL BE LEFT IN A TEMPORARY CONDITION OR EXPOSED FOR AN EXCESSIVE OR UNREASONABLE AMOUNT OF TIME.
4	PARTITIONS AND OTHER ITEMS TO BE REMOVED ARE SHOWN DASHED. WHERE WALLS ARE TO BE REMOVED, SERVICES IN WALLS SHALL ALSO BE REMOVED OR RELOCATED. COORDINATE WITH MEPPF, STRUCTURAL AND CIVIL. CONTRACTOR TO FIELD VERIFY ALL EXISTING ELECTRICAL FIXTURES & RECEPTACLES SCHEDULED TO REMAIN. REMOVE ANY DEVICES AND WIRING THAT DO NOT CORRESPOND WITH PROPOSED ELECTRICAL LAYOUT PLAN. REMOVE ALL ABANDONED ELECTRICAL WIRING FROM ABOVE CEILING & EXISTING WALLS THAT WILL REMAIN; REMOVE WIRING BACK TO PANEL OR NEXT LOGICAL JUNCTION BOX LOCATION.
5	PROVIDE NECESSARY BARRIERS AS REQUIRED TO SECURE SCOPE OF WORK AREA AT THE END OF EACH DAY.
6	ERECT AND MAINTAIN DUST PROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE, ETC. TO OTHER PARTS OF THE BUILDING. ON COMPLETION, REMOVE PARTITIONS AND REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACES.
7	IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE AFFECTED AREAS AT NO COST TO THE OWNER.
8	PROVIDE PROTECTION OF ADJACENT AREAS AND BUILDING COMPONENTS NOT TO BE DISTURBED, INCLUDING PATHS OF TRAVEL FROM SITE ENTRANCE TO SPECIFIC SCOPE OF WORK AREAS.
9	PROVIDE SUITABLE COVERED CONTAINERS TO RECEIVE DEBRIS. USE OF WATER SHALL BE LIMITED TO A LIGHT SPRAY TO PREVENT THE SPREAD OF DUST. NO BURNING OF MATERIALS SHALL BE PERMITTED.
10	PROVIDE AND MAINTAIN FIRE PROTECTION THROUGHOUT DEMOLITION AND CONSTRUCTION.
11	ANY ITEM NOT SPECIFICALLY IDENTIFIED, BUT REQUIRED TO BE REMOVED OR REPAIRED TO PREPARE THE BUILDING FOR NEW WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.
12	SCHEDULE ALL SHUTDOWNS OF UTILITIES IN OCCUPIED PORTIONS OF THE BUILDING WITH THE OWNER (AND LOCAL FIRE DEPARTMENT IF NECESSARY) PRIOR TO IMPLEMENTING.
13	SEE MEPPF FOR ASSOCIATED DEMOLITION. CONTRACTOR SHALL COORDINATE DEMOLITION DRAWINGS AND NOTES WITH ALL DISCIPLINES.
14	REMOVE ALL EXISTING FINISH FLOORING DOWN TO EXISTING STRUCTURAL SLAB / FLOOR SUBSTRATE. REPAIR STRUCTURAL FLOOR / FLOORING SUBSTRATE AS REQUIRED TO PREPARE FOR SCHEDULED FLOORING SYSTEMS PER MANUFACTURER SPECIFICATIONS & REQUIREMENTS.
15	ANY ELECTRICAL, PHONE, THERMOSTAT, OR OTHER DEVICES & WIRING LOCATED WITHIN SCOPE OF WORK AREA SCHEDULED TO BE DEMOLISHED SHOULD BE RELOCATED OUT OF REACH FOR FURTHER DEMOLITION BY THEIR RESPECTIVE TRADES.
16	ALL PLUMBING NO LONGER IN USE SHALL BE REMOVED IN ITS ENTIRETY.
17	REMOVE EXISTING LIGHT FIXTURES, DIFFUSERS, ETC. AS REQUIRED DUE TO NEW LAYOUT. SAVE CEILING ITEMS FOR REUSE WHERE INDICATED. REFER TO REFLECTED CEILING PLAN FOR SCOPE OF WORK REGARDING NEW CEILING. SPRINKLER PIPING AND DUCTWORK SHALL BE MODIFIED AS REQUIRED TO ACCOMMODATE NEW LAYOUT.
18	REMOVE EXISTING PARTITIONS AS REQUIRED FOR SCHEDULED DOORS TO BE INSTALLED UNDER THE NEW SCOPE OF WORK; REFER TO CONSTRUCTION PLAN.
19	COORDINATE ALL REQUIRED CORE DRILLING & TRENCHING WITH POWER PLANS.

- REFER TO PARTITION TYPE DIAGRAMS, REFERENCED BY THE "PARTITION SYMBOL", INDICATING THE COMPONENTS AND ASSEMBLY OF EACH PARTITION.
- PROVIDE 20 GAUGE METAL STUDS AT 16" O.C. U.O.N.
- GYPSUM BOARD SHALL BE 5/8" THICK, U.O.N.
- FIRE-RESISTANCE-RATED & STC-RATED PARTITIONS & STC-RATED SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF THE TESTED ASSEMBLY UNLESS MORE STRINGENT REQUIREMENTS ARE DESIGNATED BY DETAIL.
- FIRESTOP SHALL BE USED AT FIRE RATED PARTITIONS. RECESSED BOXES SHALL BE SEALED AND RUNNERS SHALL BE SET IN 2 BEADS OF SEALANT OR AS REQUIRED BY MANUFACTURER. FIRESTOPPING SHALL BE PROVIDED FOR ALL FIRE RATED WALL OR SLAB PENETRATIONS IN ORDER TO MAINTAIN FIRE RATINGS AS REQUIRED.
- ALL NON-FIRE RATED PARTITIONS SHALL HAVE ALL PENETRATIONS AND INTERSECTIONS SEALED AIR TIGHT WITH ACOUSTICAL SEALANT.
- PROVIDE METAL BACKING PLATES FOR WALL-MOUNTED ACCESSORIES & CONSTRUCTION.
- TILE BACKER BOARD IS REQUIRED AT ALL TILE LOCATIONS. COORDINATE WITH FINISHES AND ELEVATIONS AS REQUIRED.
- ALL PANEL SURFACES EXPOSED TO VIEW, UNLESS OTHERWISE INDICATED, TO BE LEVEL 4 FINISH.
- PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL TOILET ROOMS AND KITCHEN AREAS WITH SINKS.

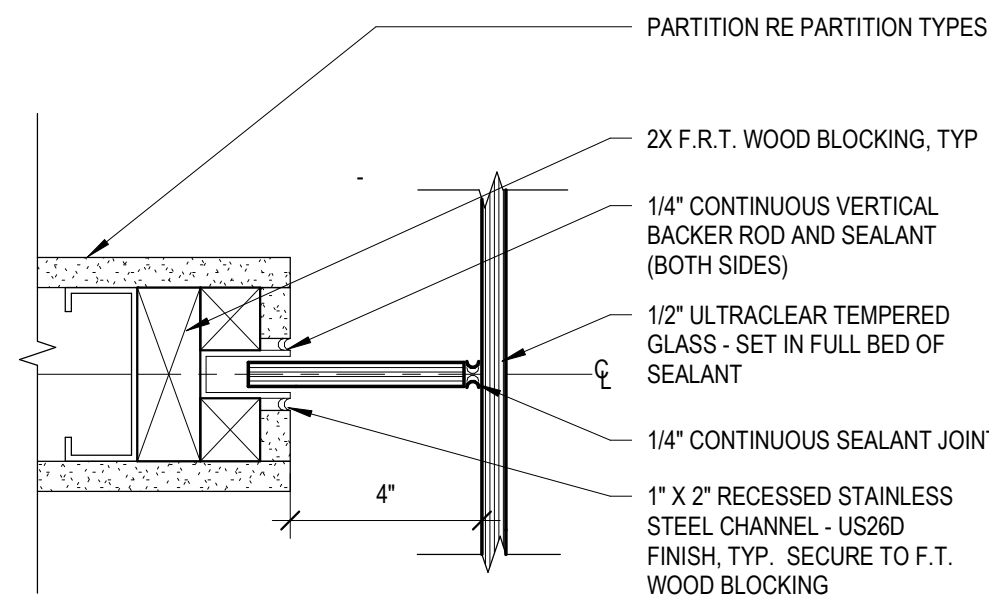


**20 GENERAL PARTITION NOTES**

- GENERAL CONSTRUCTION NOTES**
- ALL WORK SHALL BE INSTALLED PER ALL APPLICABLE CODES AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
  - OBTAIN AND PAY FOR PERMITS AND INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES COVERING THE WORK.
  - REVIEW DOCUMENTS, VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT WORK IS BUILDABLE AS SHOWN. REPORT ANY CONFLICTS OR OMISSIONS TO THE ARCHITECT FOR CLARIFICATION PRIOR TO PERFORMING ANY WORK IN QUESTION. REFER TO GENERAL NOTES REGARDING THE REQUEST FOR INFORMATION (RFI) PROCESS.
  - SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS, OR CHANGES TO ARCHITECT FOR REVIEW PRIOR TO PURCHASE, FABRICATION OR INSTALLATION. REFER TO GENERAL NOTES PAGE REGARDING SUBSTITUTIONS & REVISIONS.
  - COORDINATE WITH THE OWNER/LANDLORD INCLUDING SCHEDULING TIME AND LOCATIONS FOR DELIVERIES, BUILDING ACCESS, USE OF BUILDING SERVICES AND FACILITIES, AND USE OF ELEVATORS. MINIMIZE DISTURBANCE OF BUILDING FUNCTIONS AND OCCUPANTS.
  - OWNER WILL PROVIDE WORK NOTED "BY OTHERS" OR "NIC" UNDER SEPARATE CONTRACT. INCLUDE SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF INSTALLATION.
  - COORDINATE TELECOMMUNICATIONS, DATA AND SECURITY SYSTEM INSTALLATIONS WITH VENDORS.
  - MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION. COORDINATE WITH TENANT AND LANDLORD TO ENSURE SECURITY.
  - DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, CONSULT THE ARCHITECT.
  - THE ARCHITECT'S RESPONSIBILITY IN GENERAL ADMINISTRATION OF CONSTRUCTION IS FOR THE PURPOSE OF DETERMINING THAT THE WORK WHEN COMPLETED WILL BE IN CONFORMANCE WITH THE CONTRACT DOCUMENTS AND ENDEAVOR TO GUARD THE OWNER AGAINST DEFECTS AND DEFICIENCIES IN THE WORK. THE ARCHITECT WILL NOT HAVE CONTROL OVER OR CHARGE OF AND WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.
  - OVERLAPPING/CONFLICTING REQUIREMENTS. MOST STRINGENT (GENERALLY MOST COSTLY) APPLY AND WILL BE ENFORCED. REFER TO ARCHITECT/ENGINEER FOR DECISION BEFORE PROCEEDING.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING TO DETERMINE ALL EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXTENT OF ALL DEMOLITION AND NEW WORK. G.C. SHALL VERIFY CONDITION OF EXISTING WALLS TO REMAIN. G.C. SHALL VERIFY THIS WORK BEFORE PRICING PROJECT. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ARCHITECT OF ANY DISCREPANCIES. FOLLOW GENERAL NOTES REGARDING RFIs.
  - ALL DIMENSIONS NOTED AS "HOLD" ARE CRITICAL.
  - PROVIDE FIRE TREATED WOOD BLOCKING (COMPLYING WITH ASTM E84) WITHIN NEW AND EXISTING WALLS AS REQUIRED FOR ANCHORING OF ALL BUILT-INS, SHELVING, CABINETS, AND WALL MOUNTED ACCESSORIES. VERIFY LOCATIONS WITH ARCHITECT. COORD. TELEVISION LOCATIONS WITH POWER PLAN & BLOCKING REQUIREMENTS W/ A) AUDIOVISUAL DOCUMENTS AND CONSULTANT, OR B) CLIENT PROVIDED TELEVISION WALL MOUNTED BRACKET.
  - PROVIDE TWO (2) 20 GAUGE METAL STUDS AT JAMBS OF ALL NEW DOOR OPENINGS.
  - ALL CONCEALED BLOCKING SHALL BE FIRE TREATED, COMPLYING WITH ASTM E84.
  - PROVIDE AND INSTALL ONE (1) 4'-0" X 8'-0" FIRE RETARDANT PLYWOOD PANEL AT DATA ROOM. VERIFY EXACT LOCATION AND REQUIREMENTS WITH ELECTRICAL DRAWINGS.
  - DETAILS NOTED AS TYPICAL APPLY TO ALL SIMILAR LOCATIONS UNLESS OTHERWISE NOTED.
  - CONTRACTOR'S PRICE SHALL INCLUDE A COMPLETE CONSTRUCTION CLEANUP.
  - CONTRACTOR TO HAVE A "SHOP VAC" OR SIMILAR EQUIPMENT ON SITE TO KEEP SITE CLEAN DURING THE CONSTRUCTION PROCESS.
  - INTERIOR DIMENSIONS SHOWN IN PLAN ARE TO FINISHED FACE OF PARTITION, INCLUDING ANY APPLIED FINISHES SUCH AS CERAMIC TILE, UNLESS OTHERWISE NOTED.
  - PROVIDE CONTINUOUS TAPEABLE J-TRIM AT ALL EXPOSED EDGES OF GYPSUM WALL BOARD. PROVIDE COMPRESSIBLE BACKER ROD AND SEALANT IF GWB ABUTS ADJACENT CONSTRUCTION.
  - PATCH ALL EXISTING WALLS WHERE REQUIRED TO CREATE SMOOTH SURFACE FOR PAINT, STUCCO, PLASTER, OR CERAMIC TILE FINISH AS SCHEDULED. WHERE NEW FINISH IS NOT SCHEDULED, PATCH WALLS AND/OR TOOTH IN SALVAGED MATERIALS, AS REQUIRED TO MATCH EXISTING ADJACENT FINISH.
  - COORDINATE PARTITION CONSTRUCTION WITH FINISH PLANS.
  - AT ANY EXISTING CONSTRUCTION TO RECEIVE NEW WORK (RE: NEW DOOR, INFILL PARTITION, ETC.) G.C. TO PATCH EXISTING CONSTRUCTION AS REQUIRED TO MATCH EXISTING ADJACENT SURFACE, U.O.N.
  - ALL NEW DOORS SHALL BE LOCATED 4" OFF FINISH WALL UNLESS OTHERWISE NOTED. (4" TO INSIDE FACE OF FRAME)
  - PROVIDE FIRESTOPPING JOINT SYSTEM AT ALL PENETRATIONS THROUGH ALL FIRE-RATED WALL AND FLOOR SYSTEMS. FIRESTOPPING SHALL BE DESIGNED TO RESIST THE SPREAD OF FIRE FOR A TIME PERIOD NOT LESS THAN THE REQUIRED FIRE RESISTANT RATINGS OF THE ADJACENT ASSEMBLY. ALL FIRE STOPPING ASSEMBLIES SHALL BE UL ASSEMBLIES.
  - PROVIDE ACOUSTICAL SEALANT FOR PENETRATIONS THROUGH ANY NON-FIRE RATED PARTITIONS OR ASSEMBLIES.
  - ALL DIMENSIONS TO BE VERIFIED IN FIELD BY CONTRACTOR.
  - REFER TO ELECTRICAL DRAWINGS FOR QUANTITIES AND TYPES OF DEVICES. REFER TO ARCHITECTURAL DRAWING G1.01 FOR TYPICAL MOUNTING HEIGHTS AND LOCATIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
  - ALL WIRING, CONDUIT, RACEWAYS, ETC. SHALL BE CONCEALED WITHIN WALLS. G.C. TO PROVIDE CUTTING, PATCHING, PLASTER RINGS AND PULL STRINGS AS REQUIRED TO PROVIDE SUCH CONCEALMENT. PATCH AND PAINT ENTIRE WALL AFFECTED BY NEW WORK.
  - WHERE ANY TELEPHONE, DATA & ELECTRICAL WIRING HAVE BEEN DEMOLISHED, PATCH WALL & FINISH AS SCHEDULED. WHERE ANY EXISTING JUNCTION BOXES OR CONDUIT HAVE BEEN REMOVED, PATCH WALL & FINISH AS SCHEDULED UNLESS INDICATED OTHERWISE.
  - CONTRACTOR TO INCLUDE IN HIS PRICING ALL MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION WORK PER ENGINEERS' DRAWINGS TO COORDINATE WITH ARCHITECT'S DESIGN AND PROVIDE COMPLETE SYSTEMS.
  - CONTRACTOR RESPONSIBLE FOR PROTECTING DOOR FRAMES DURING CONSTRUCTION AS REQUIRED.
  - WHERE FLOOR TRENCHING IS REQUIRED FOR SCOPE OF WORK, PATCH FLOOR TO MATCH EXISTING ADJACENT STRUCTURAL SLAB / FLOOR SUBSTRATE.
  - ALL PARTITIONS SHALL BE TYPE A31, U.O.N.
  - ALL DEMISING & CORRIDOR PARTITIONS SHALL BE TYPE B31, U.O.N.
  - PREPARE EXISTING FLOOR SUBSTRATE AS REQUIRED FOR SCHEDULED FLOOR FINISH. PROVIDE FLOOR LEVELING COMPOUND AS REQUIRED TO PROVIDE LEVEL FINISH (1/4" PER 10' MAX) WITHIN ENTIRE TENANT AREA. INCLUDE \$10,000 ALLOWANCE FOR FLOOR LEVELING.

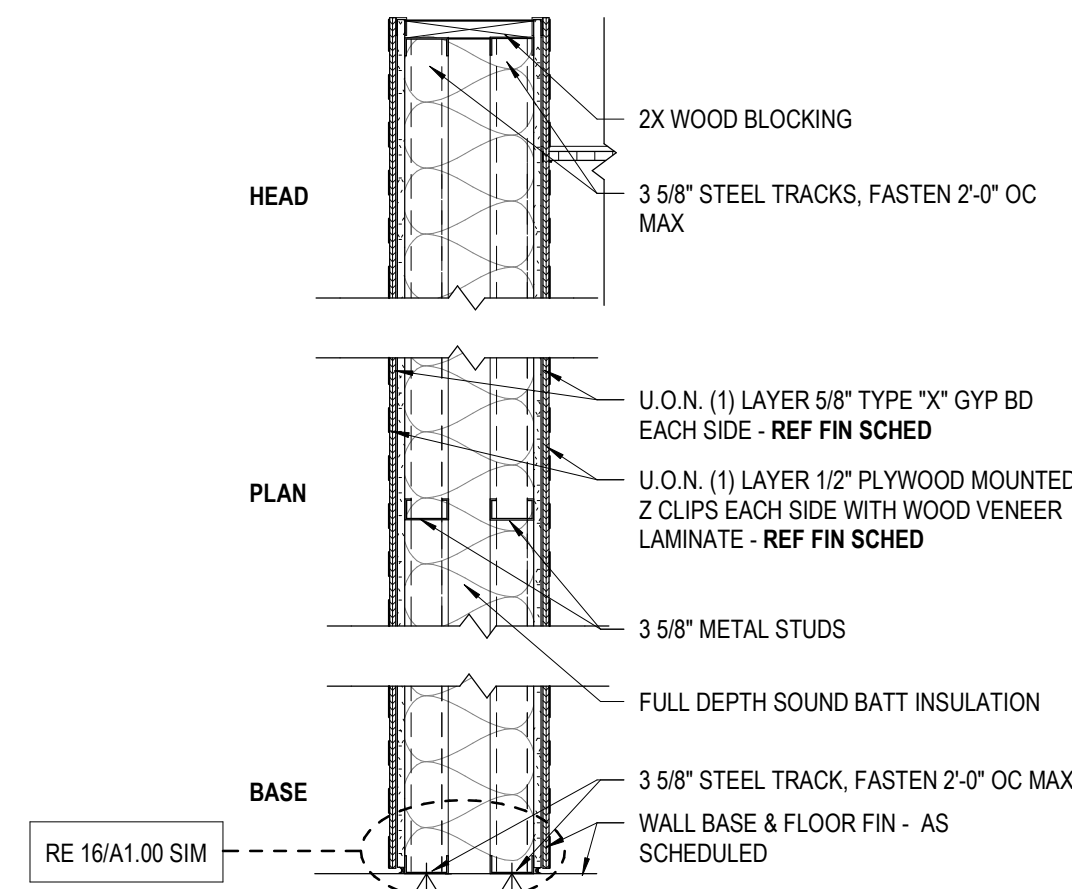
**17 GENERAL CONSTRUCTION NOTES**

**16 WOOD BASE**  
SCALE: 3/4" = 1'-0"

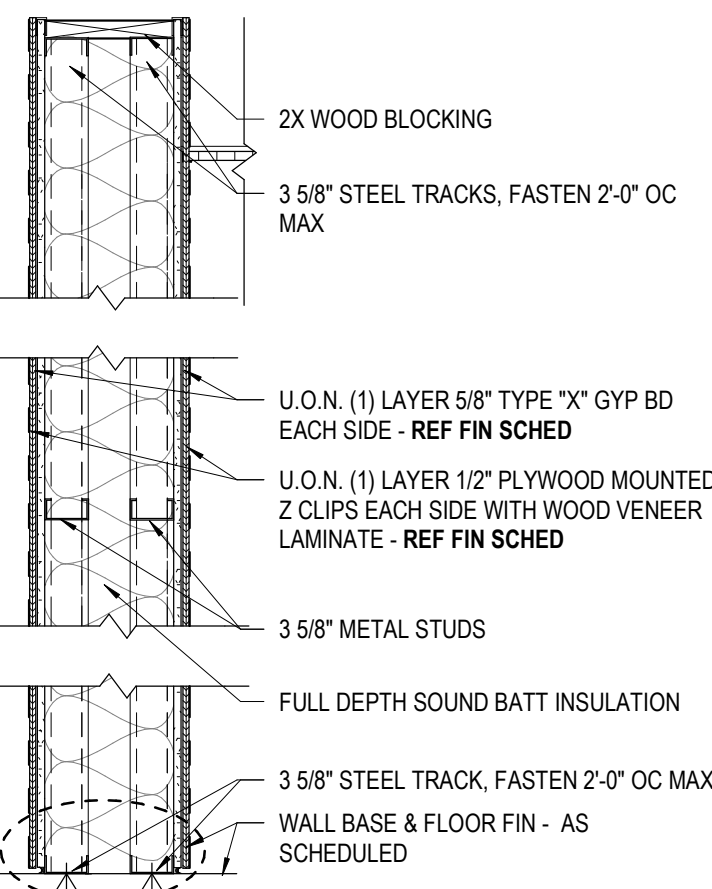


**15 GLASS JAMB DETAIL AT CORNER**  
SCALE: 3/4" = 1'-0"

**12 WOOD PANELED WALL**  
SCALE: 3/4" = 1'-0"



**11 CONFERENCE ROOM WALL**  
SCALE: 3/4" = 1'-0"

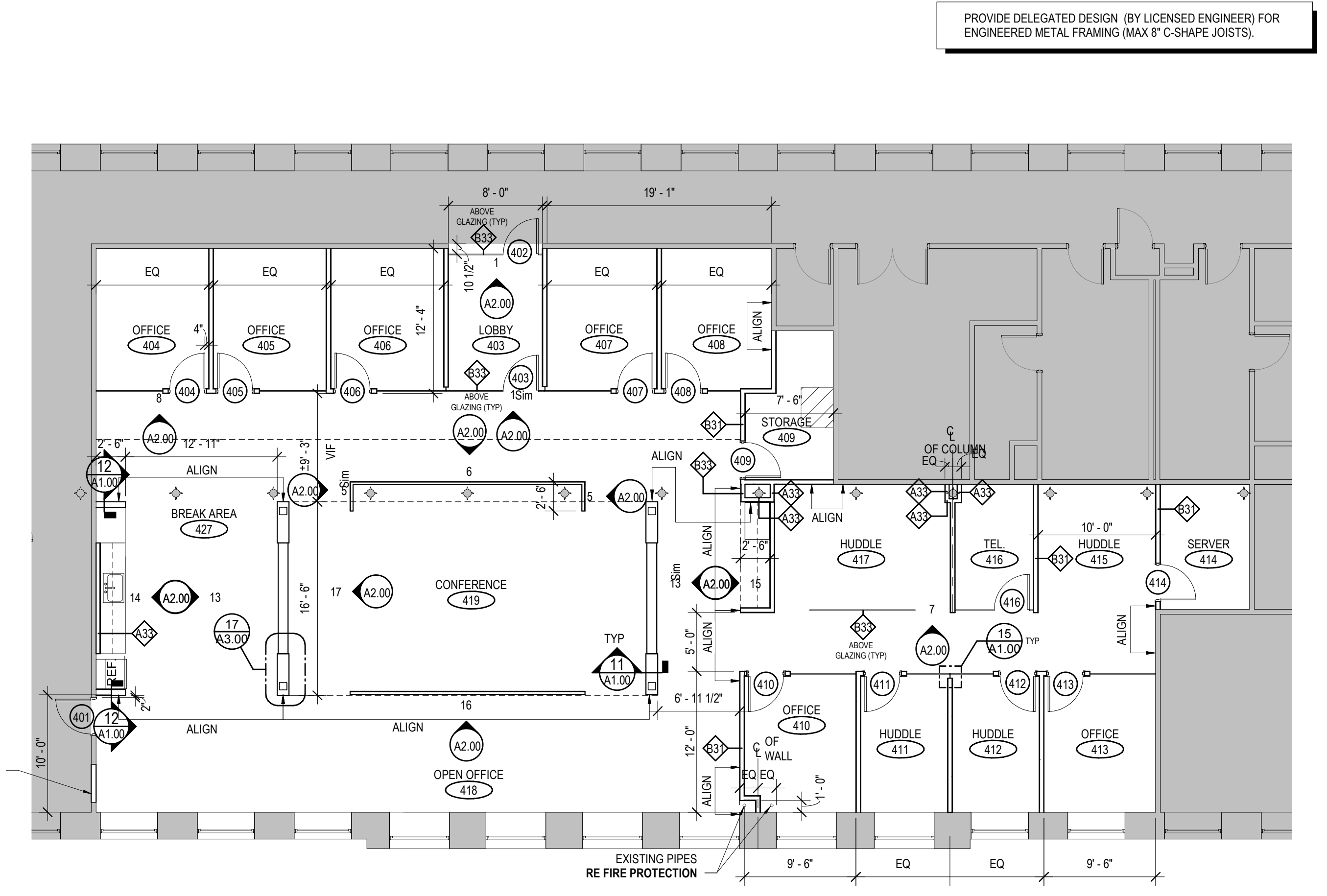
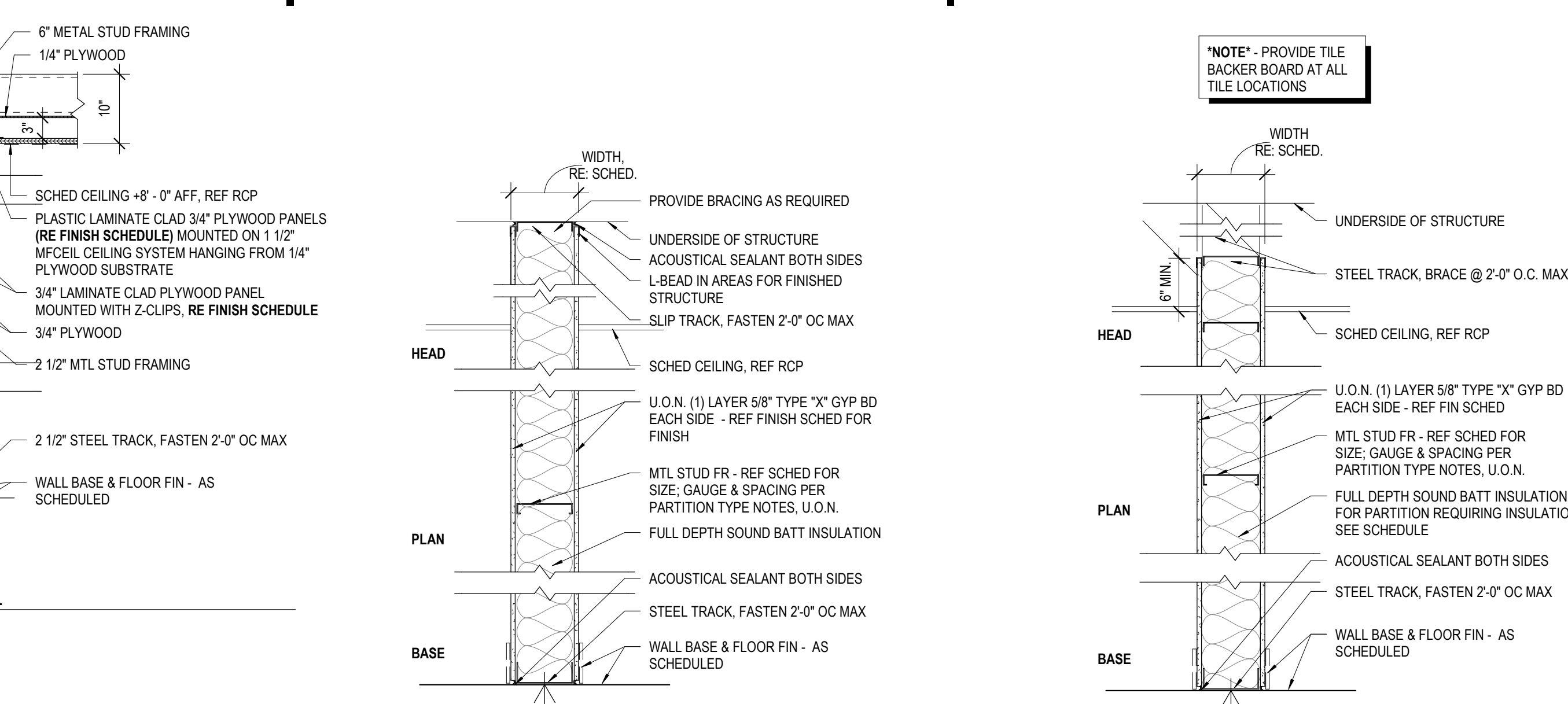


**7 TYPE B - FULL HEIGHT GWB PARTITION**  
SCALE: 3/4" = 1'-0"

TYPE	WIDTH	FRAMING	FIRE RATING	STC RATING	SOUND INSUL	COMMENTS
B31	0' - 4 7/8"	0' - 3 5/8"	0	40	Yes	
B33						

**3 TYPE A - PARTIAL HEIGHT GWB PARTITION**  
SCALE: 3/4" = 1'-0"

TYPE	WIDTH	FRAMING	FIRE RATING	STC RATING	SOUND INSUL	COMMENTS
A31	0' - 4 7/8"	0' - 3 5/8"	0	40	Yes	
A33	0' - 4 1/4"	0' - 3 5/8"	0	40	Yes	GWB AT EXTERIOR (1) SIDE OF PARTITION ONLY



**9 PARTIAL 4TH FLOOR CONSTRUCTION PLAN**  
SCALE: 1/8" = 1'-0"

**CT INNOVATIONS**

CT INNOVATIONS - COLT BUILDING  
120 Huyshope Ave - 4th Floor  
Hartford, CT 06106

CONSULTANTS

KEY PLAN

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**HISTORY OF SUBMISSIONS**

No.	Date	Description

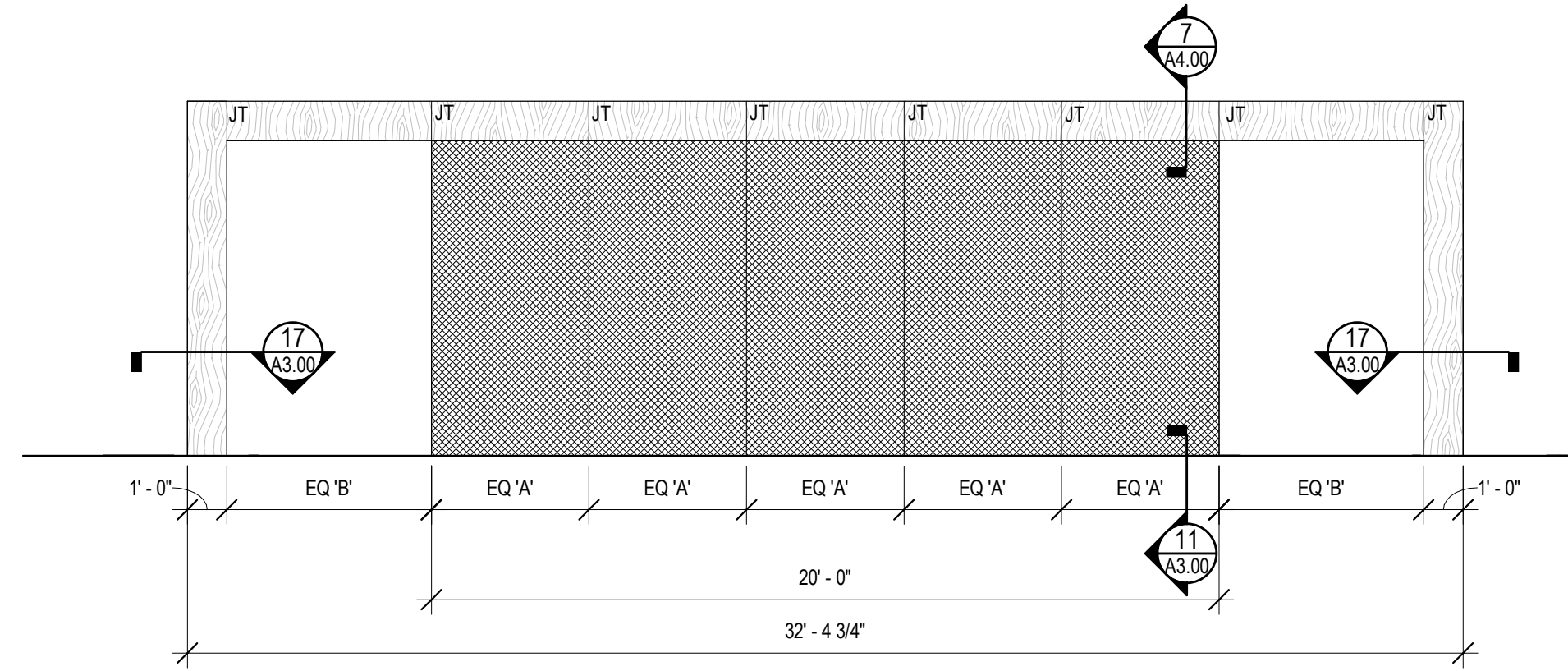
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**SHEET TITLE**

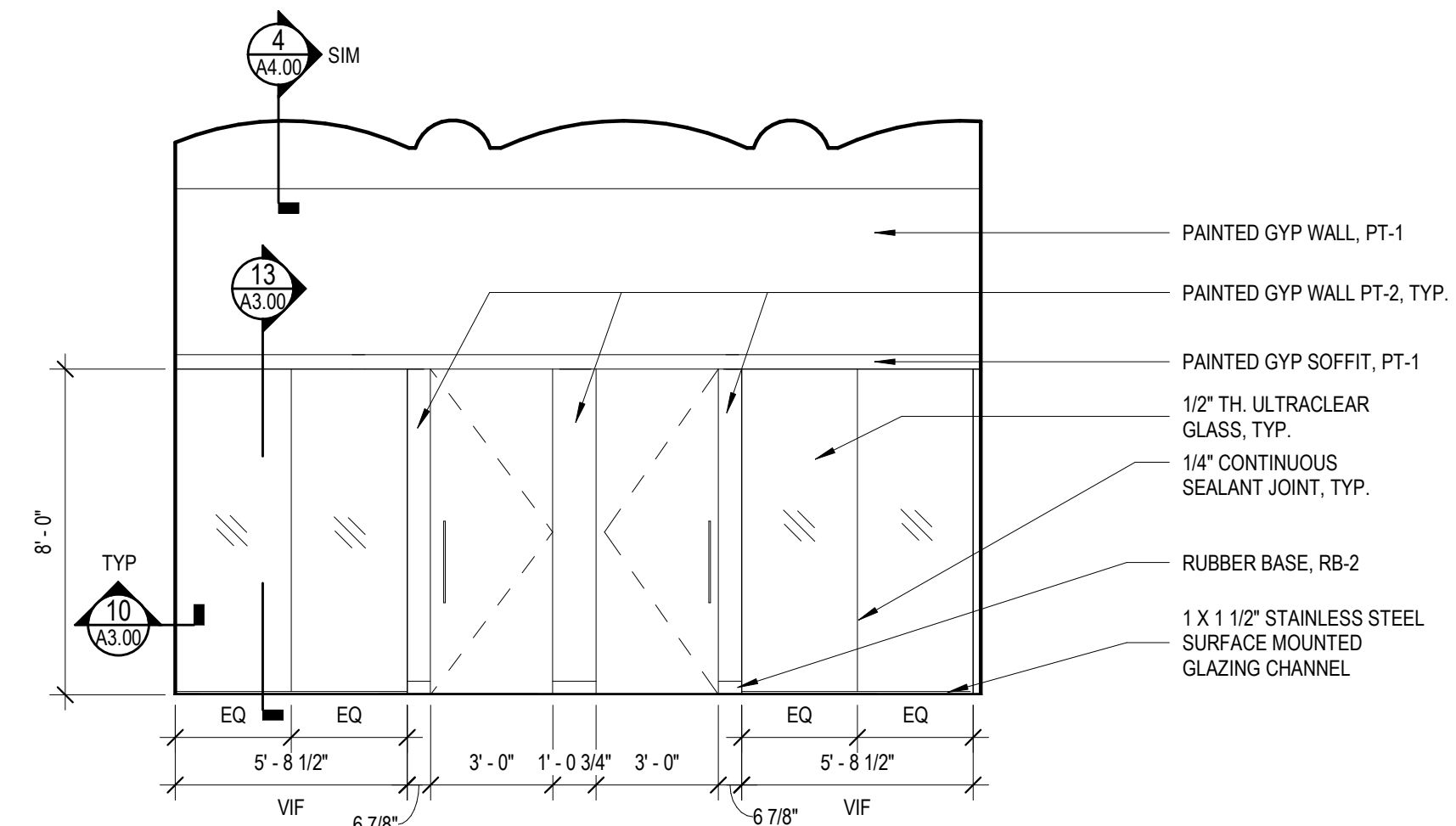
PARTIAL 4TH FLOOR CONSTRUCTION AND DIMENSION PLAN

NOTE: APPLIANCES PROVIDED BY TENANT AND COORDINATED WITH ARCHITECT

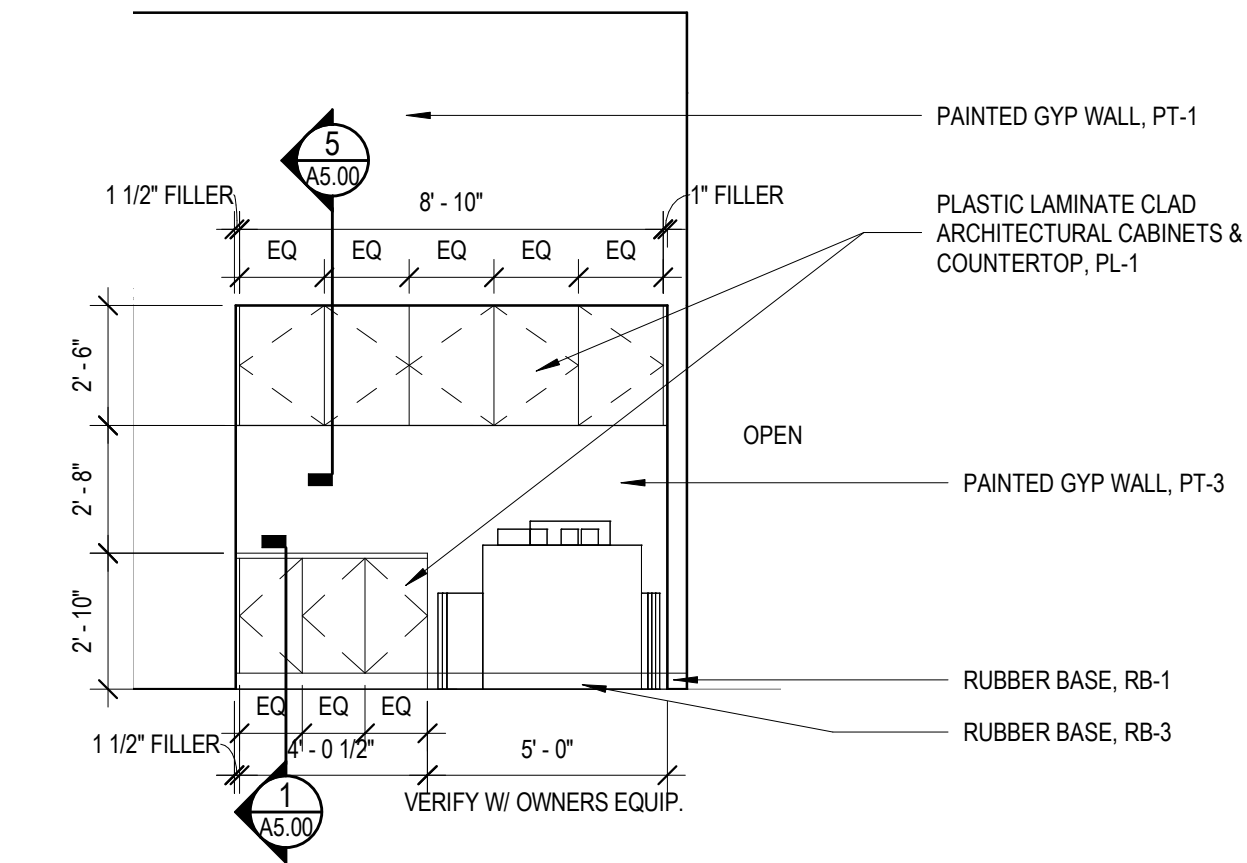
**16 ELEVATION @ CONFERENCE RM - SOUTH**  
SCALE: 1/4" = 1'-0"



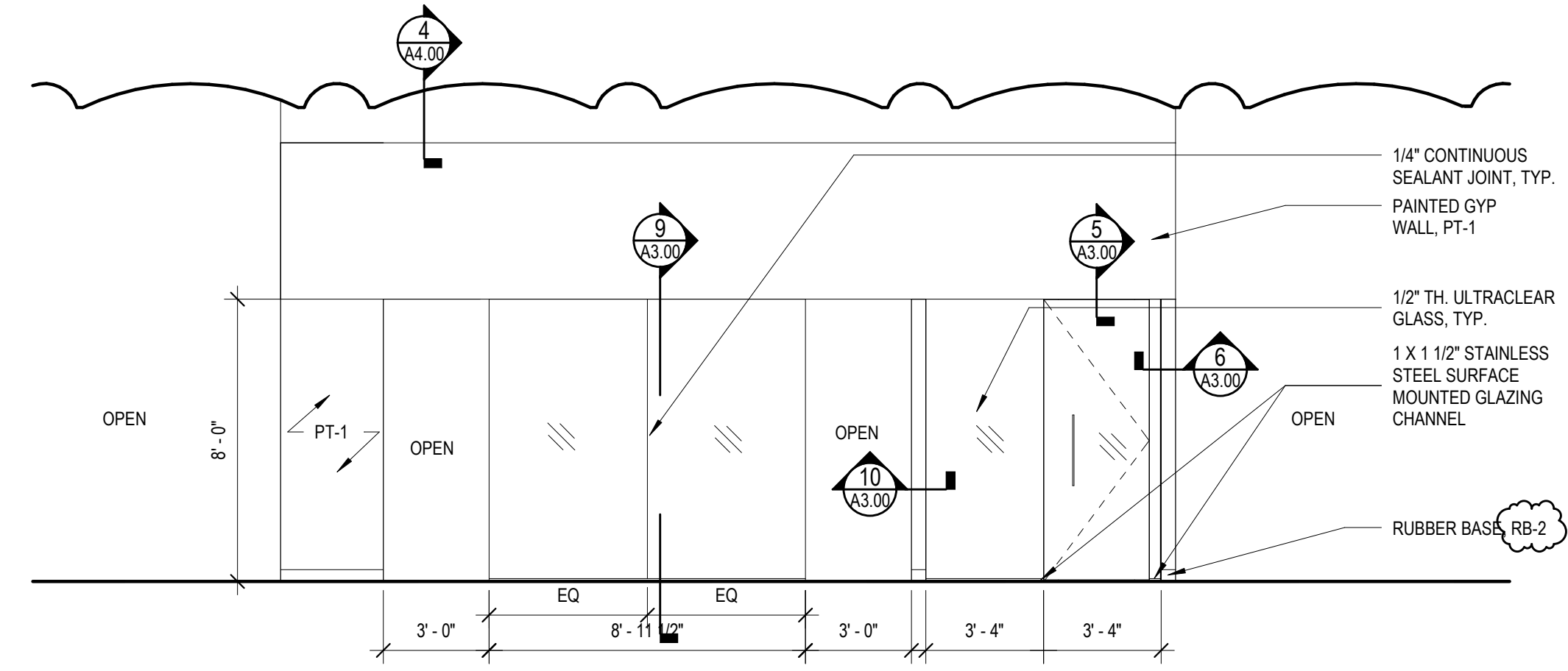
**8 TYP ELEVATION @ OFFICES - NORTH**  
SCALE: 1/4" = 1'-0"



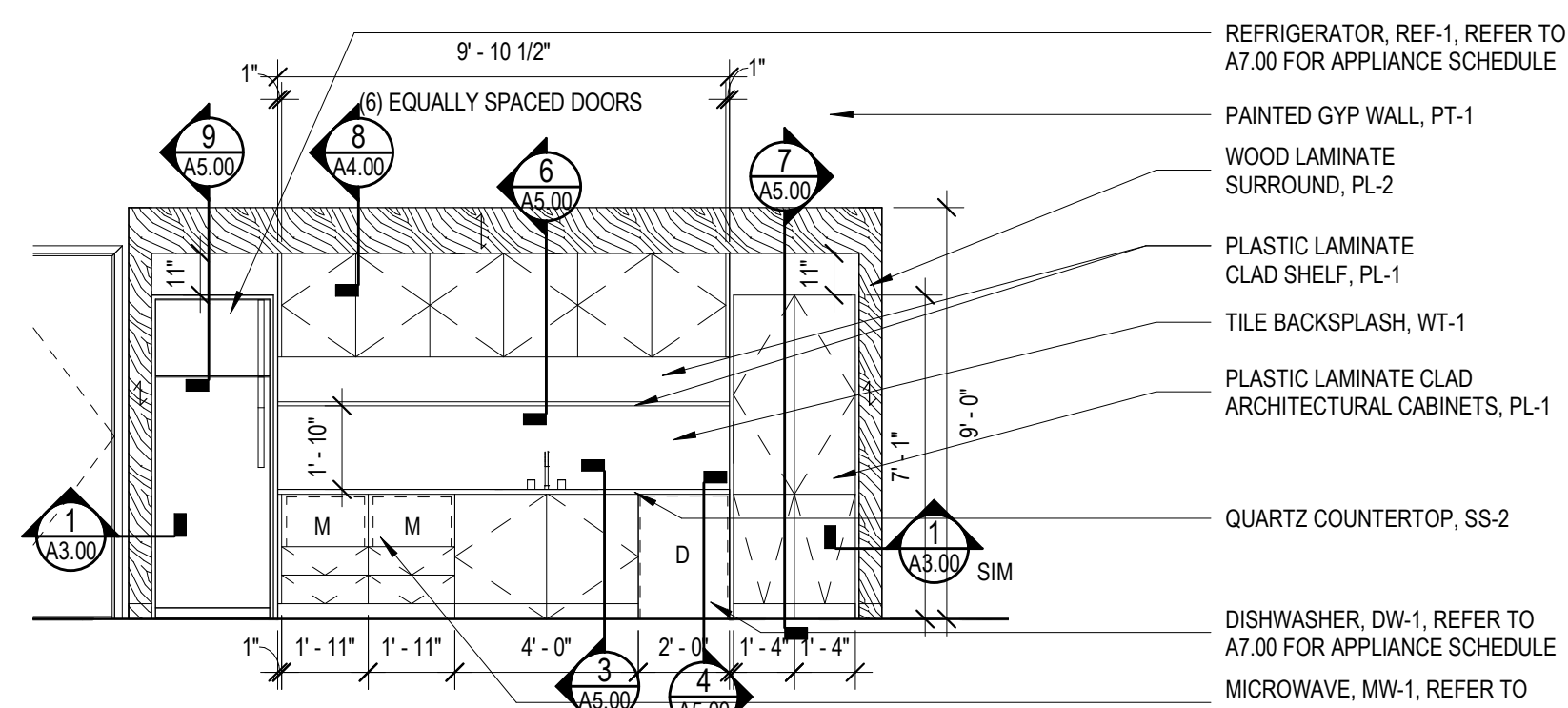
**15 ELEVATION @ COPY AREA**  
SCALE: 1/4" = 1'-0"



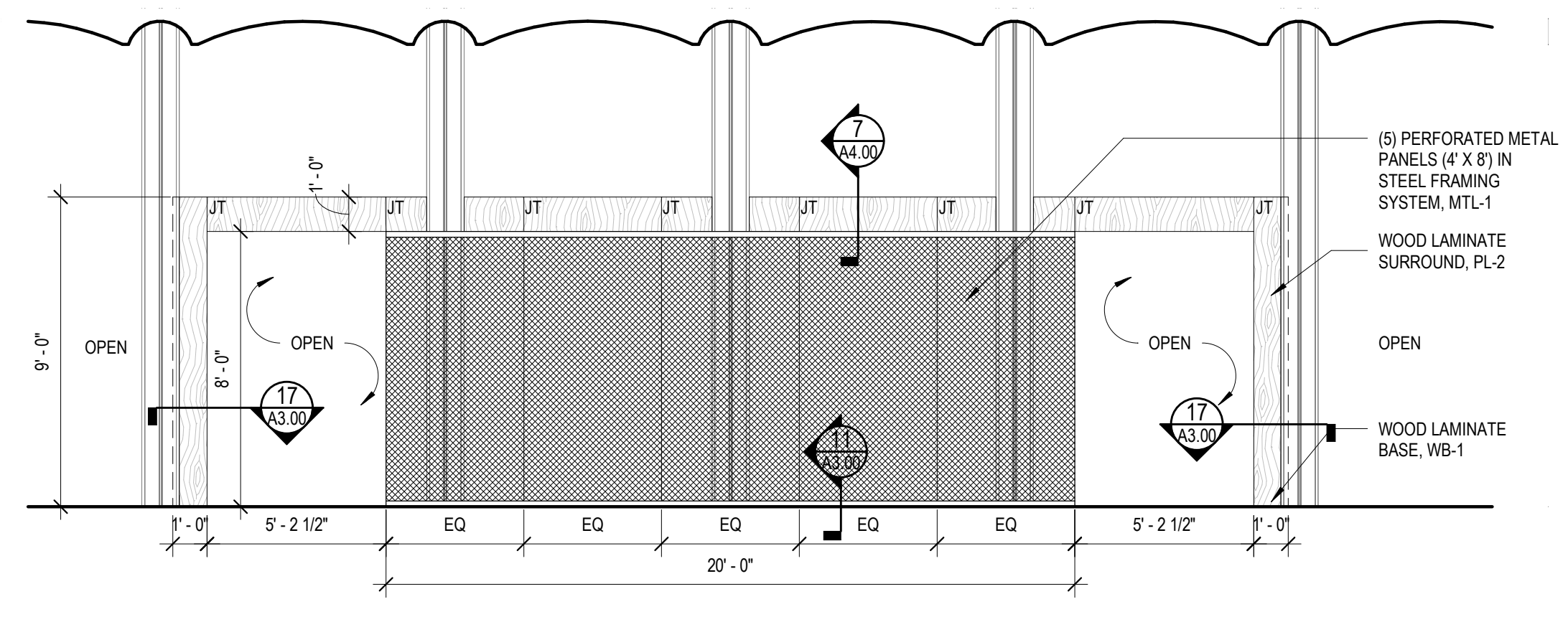
**7 ELEVATION @ COLLAB AREAS**  
SCALE: 1/4" = 1'-0"



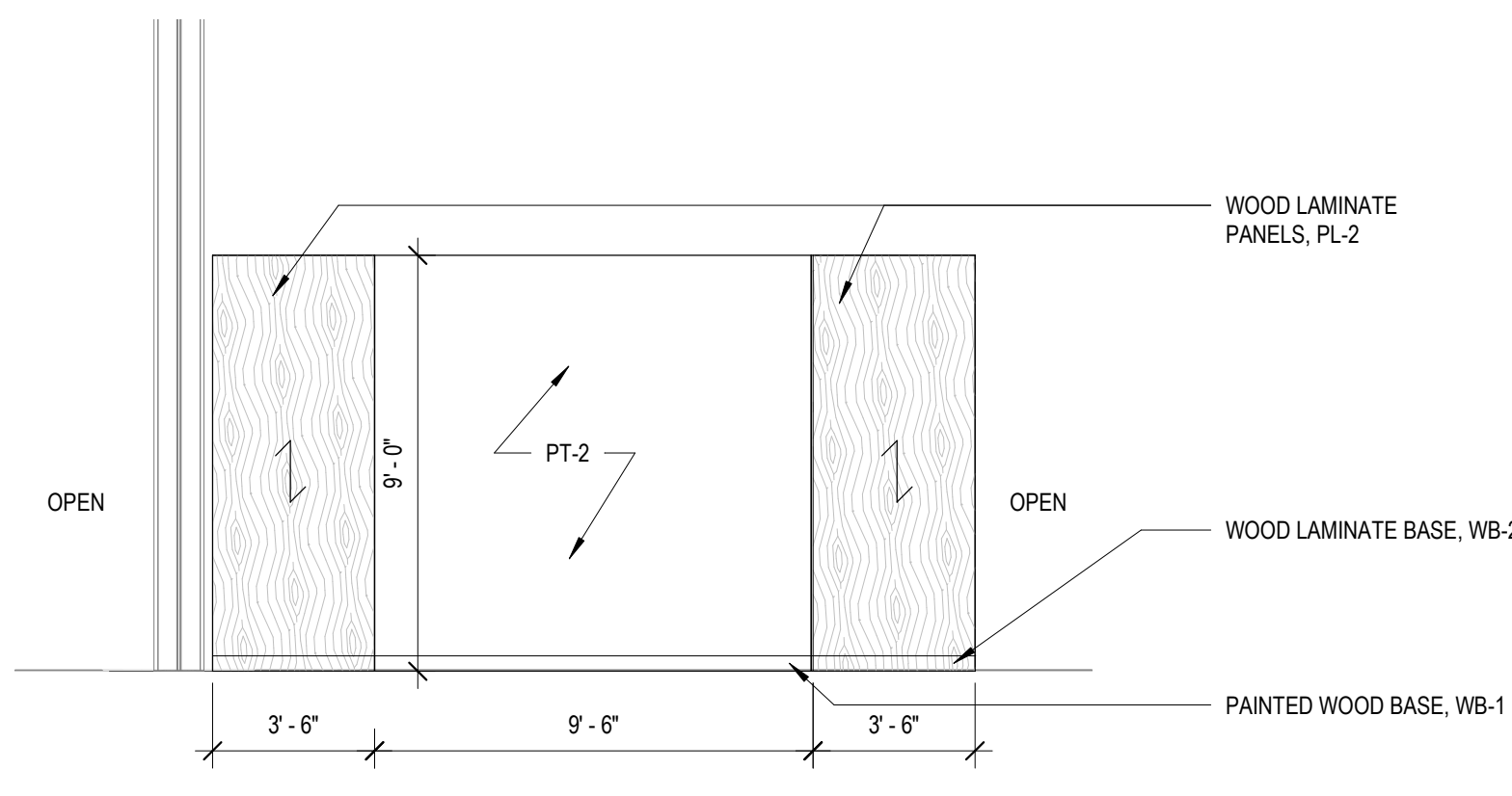
**14 ELEVATION @ KITCHENETTE**  
SCALE: 1/4" = 1'-0"



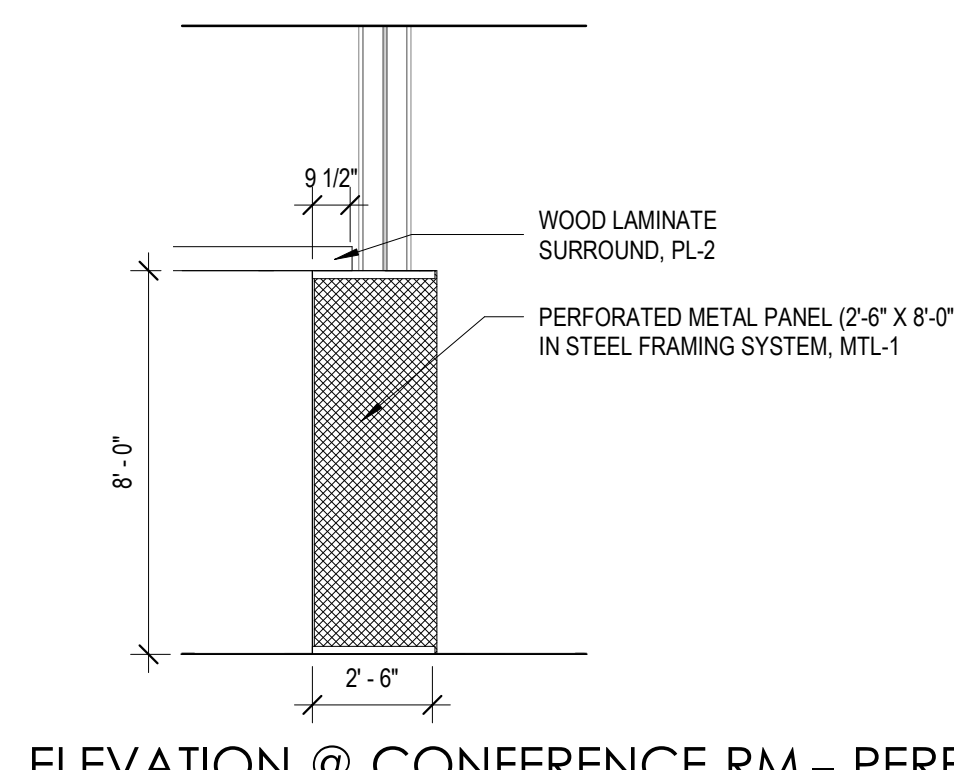
**6 ELEVATION @ CONFERENCE RM - NORTH**  
SCALE: 1/4" = 1'-0"



**13 ELEVATION @ CONFERENCE RM. - WEST**  
SCALE: 1/4" = 1'-0"

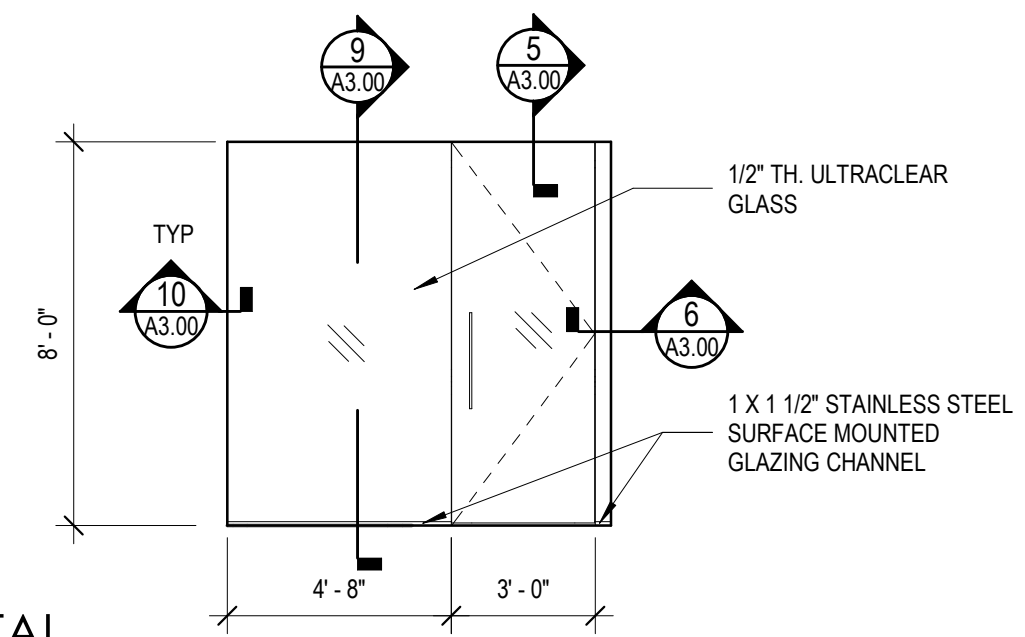


**5 WALL**  
SCALE: 1/4" = 1'-0"



ELEVATION @ CONFERENCE RM.- PERF METAL WALL

**1 ELEVATION @ ENTRY DOOR**  
SCALE: 1/4" = 1'-0"

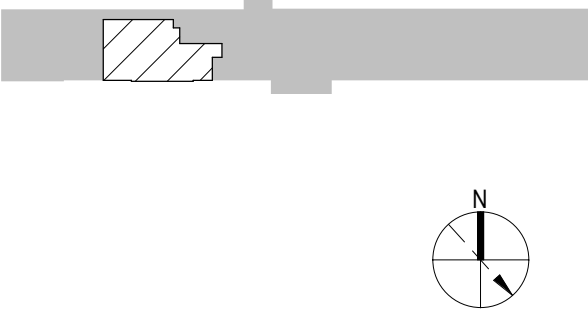


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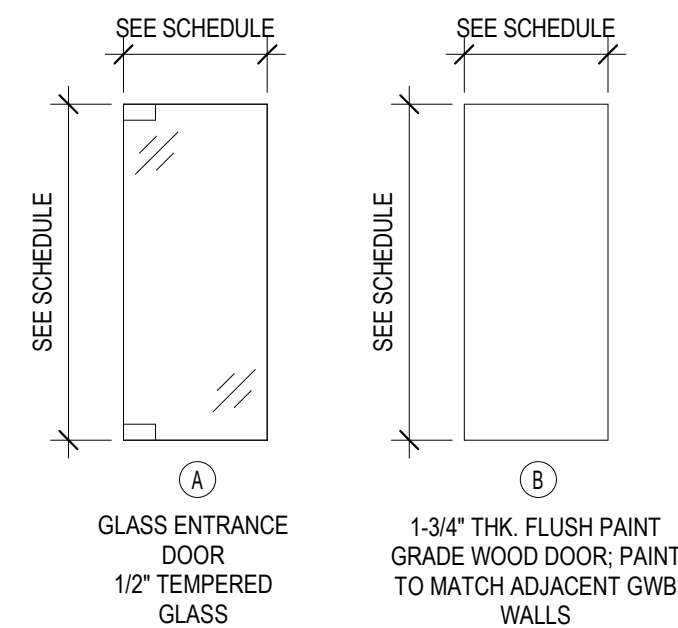
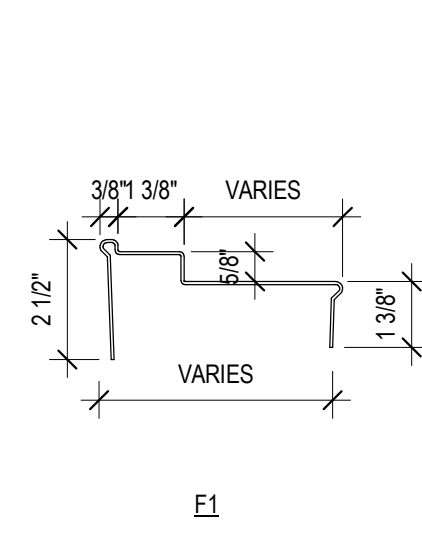
HISTORY OF SUBMISSIONS

No.	Date	Description
1	Date 1	Revision 1

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INTERIOR ELEVATIONS

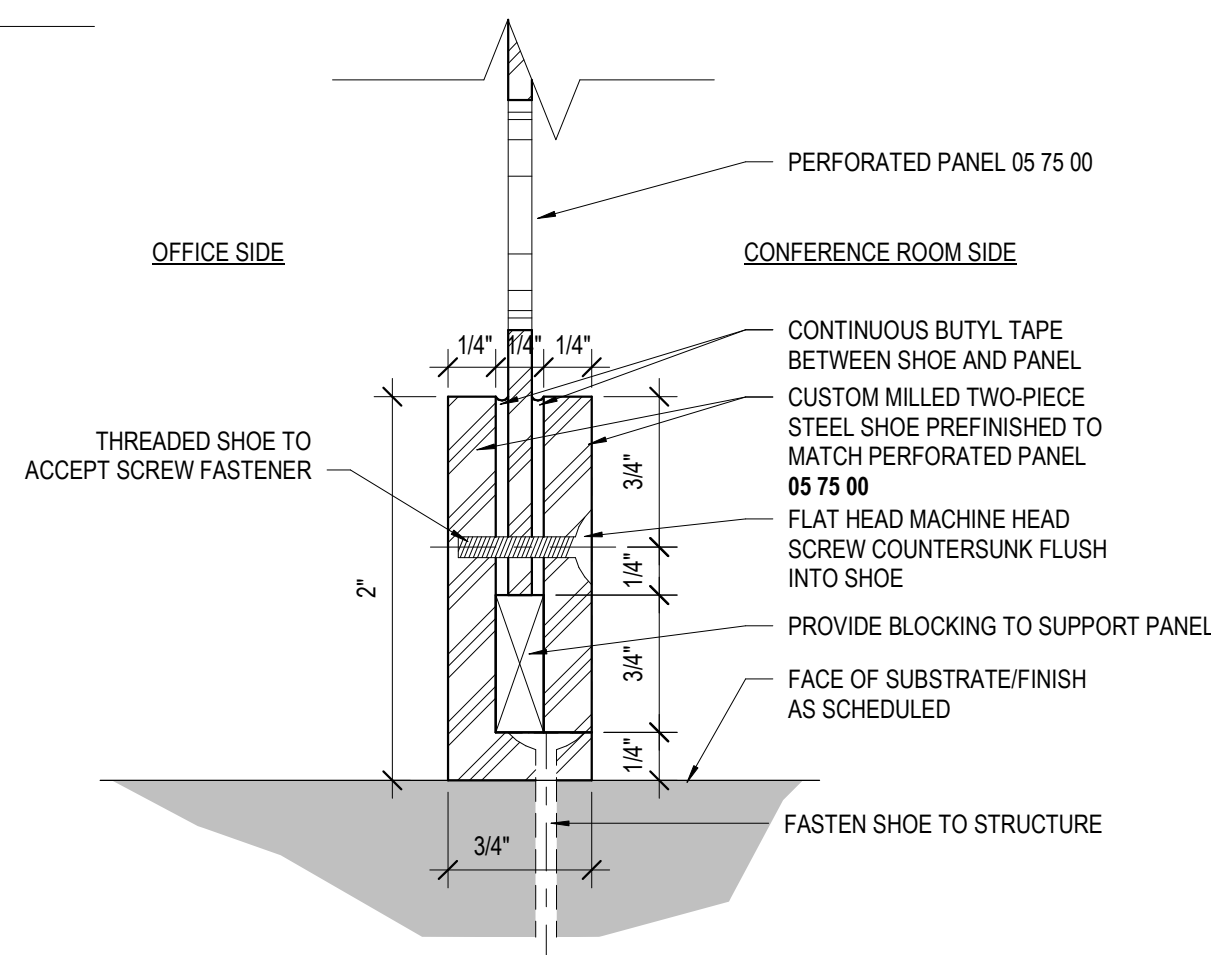


**20** FRAME DETAILS  
SCALE: 3" = 1'-0"

**DOOR AND FRAME TYPES LEGEND**  
SCALE: 1/4" = 1'-0"

AEA DOOR AND FRAME SCHEDULE										
DOOR #	DOOR			FRAME		HEAD DETAIL	JAMB DETAIL	HARDWARE SET	REMARKS	
	WIDTH	HEIGHT	TYPE	MATERIAL	TYPE					MATERIAL
401	3'-0"	8'-0"	B	WD	F1	HM	2/A3.00	2/A3.00	4	PROVIDE CARD READER
402	3'-0"	8'-0"	A	GLASS	-	-	5/A3.00	6/A3.00	1	PROVIDE CARD READER
403	3'-0"	8'-0"	A	GLASS	-	-	5/A3.00	6/A3.00	1	PROVIDE CARD READER
404	3'-0"	8'-0"	B	WD	F1	HM	2/A3.00	2/A3.00	2	
405	3'-0"	8'-0"	B	WD	F1	HM				
406	3'-0"	8'-0"	B	WD	F1	HM				
407	3'-0"	8'-0"	B	WD	F1	HM	2/A3.00	2/A3.00	2	
408	3'-0"	8'-0"	B	WD	F1	HM	2/A3.00	2/A3.00	2	
409	3'-0"	8'-0"	B	WD	F1	HM	2/A3.00	2/A3.00	5	
410	3'-0"	8'-0"	B	WD	F1	HM	2/A3.00	2/A3.00	2	
411	3'-0"	8'-0"	B	WD	F1	HM	2/A3.00	2/A3.00	2	
412	3'-0"	8'-0"	B	WD	F1	HM	2/A3.00	2/A3.00	2	
413	3'-0"	8'-0"	B	WD	F1	HM	2/A3.00	2/A3.00	2	
414	3'-0"	8'-0"	B	WD	F1	HM	2/A3.00	2/A3.00	4	PROVIDE CARD READER
416	3'-0"	8'-0"	P	AL	-	-	5/A3.00	6/A3.00	3	

**NOTES:**  
 1. COORDINATE ALL SECURITY EQUIPMENT W/ TENANT VENDOR IN DOORS, AND SCHEDULE REMARKS. PROVIDE POWER AS REQUIRED.  
 2. PAINT ALL FRAMES.  
 3. AT ALL INTERIOR DOORS SCHEDULED TO REMAIN, REPLACE ALL EXISTING DOOR HARDWARE WITH ADA COMPLIANT LEVEL HARDWARE (IF NOT EXISTING LEVER).  
 4. ACCESS CONTROL SYSTEM TO RELEASE MAGLOCK. IMMEDIATE EGRESS ALWAYS ALLOWED BY PUSH TO EXIT BUTTON/DOOR SENSOR. ACCESS BY PROXIMITY READER. PROXIMITY READER WILL RELEASE MAGLOCK AND ALLOW ACCESS. MAGLOCK SHALL RELEASE UPON ACTIVATION OF THE FIRE AND SMOKE ALARM SYSTEM.  
 5. ALL HARDWARE MUST CONFORM TO BUILDING STANDARD MANUFACTURERS AND FINISHES. PROVIDE BUILDING STANDARD MANUFACTURER, KEYPED TO MASTER.



**11** BASE  
SCALE: 12" = 1'-0"

**7** DOOR HARDWARE NOTES

- ENTRY GLASS DOORS: RTS88 X SINGLE ACTING X INTEGRAL STOP PROVIDE SINGLE POINT HOLD OPEN PULLS: 2 ELMES G561-01-001 (5'-0") MAGLOCK: SECURITRON DM2 SERIES 630 CARD READER: COORDINATE WITH SECURITY VENDOR (SEE NOTE 4) SET PATCH FITTINGS: UNIVERSAL X TOP AND BOTTOM - PIVOT
- OFFICE DOORS: LOCKSET: SCHLAGE ND10S ATH 622 (MATTE BLACK) HINGES: 2 PAIRS IVES 3P81 631 (MATTE BLACK) SILENCERS: BUILDING STANDARD DOOR STOP: ROCKWOOD DOME STOP
- GLASS DOORS: CONCEALED CLOSER: DORMA RTS88 X SINGLE ACTING X INTEGRAL STOP EN / HOLD OPEN PULLS: ELMES G561-01-001 (5'-0") FLOOR STOP: ROCKWOOD 441 625
- SERVER ROOM AND ENTRY DOORS: LOCKSET: SCHLAGE ND80PD ATH 626 ELECTRIC STRIKE: HES SERIES 1006 CLOSER: SARGENT 1431-P CARD READER: CARD READER COORD. W/ SECURITY VENDOR HINGES: 2 PAIRS IVES 3P81 630 SILENCERS: BUILDING STANDARD DOOR STOP: ROCKWOOD DOME STOP
- STORAGE ROOM DOORS: STOREROOM SET: CORBIN RUSSWIN CL3357 X AZD 626 HINGES: 2 PAIRS IVES 3P81 630 CLOSER: CORBIN RUSSWIN DC5000 SERIES X MOUNT ON NON-PUBLIC SIDE 689 FLOOR STOP: ROCKWOOD 441 626 SILENCERS: BUILDING STANDARD

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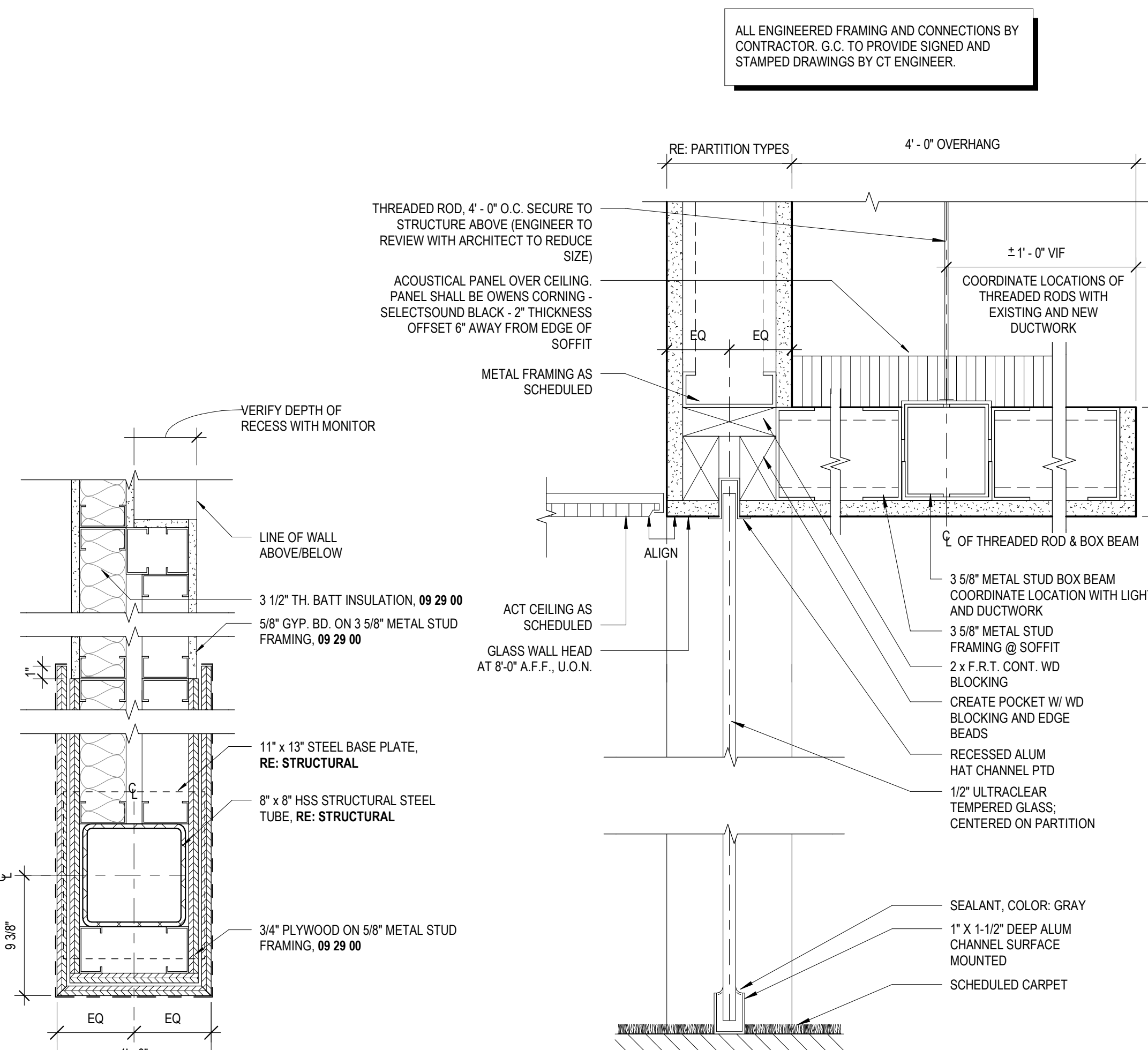
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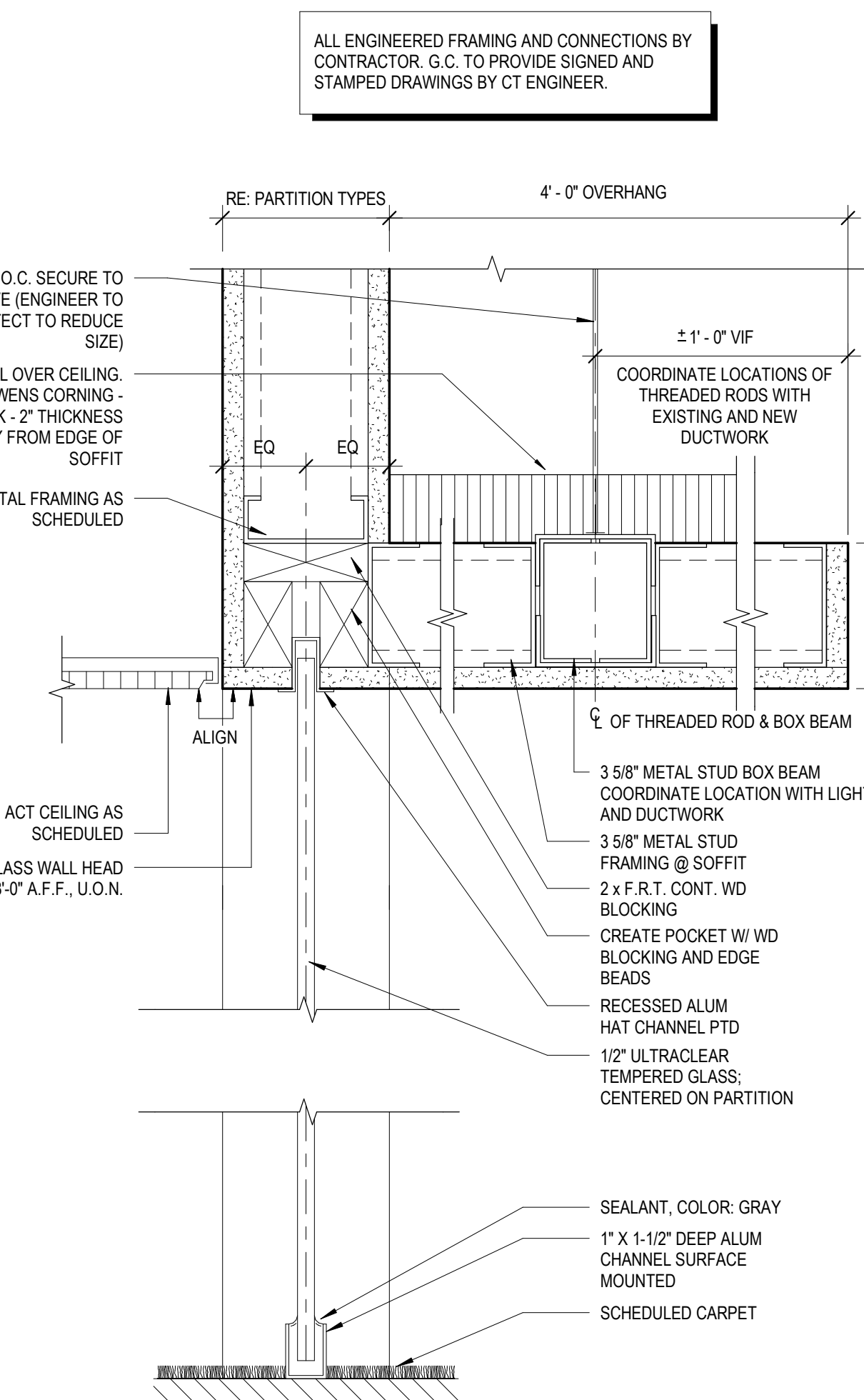
**SHEET TITLE**

**DOOR AND WINDOW SCHEDULES, DOOR DETAILS**

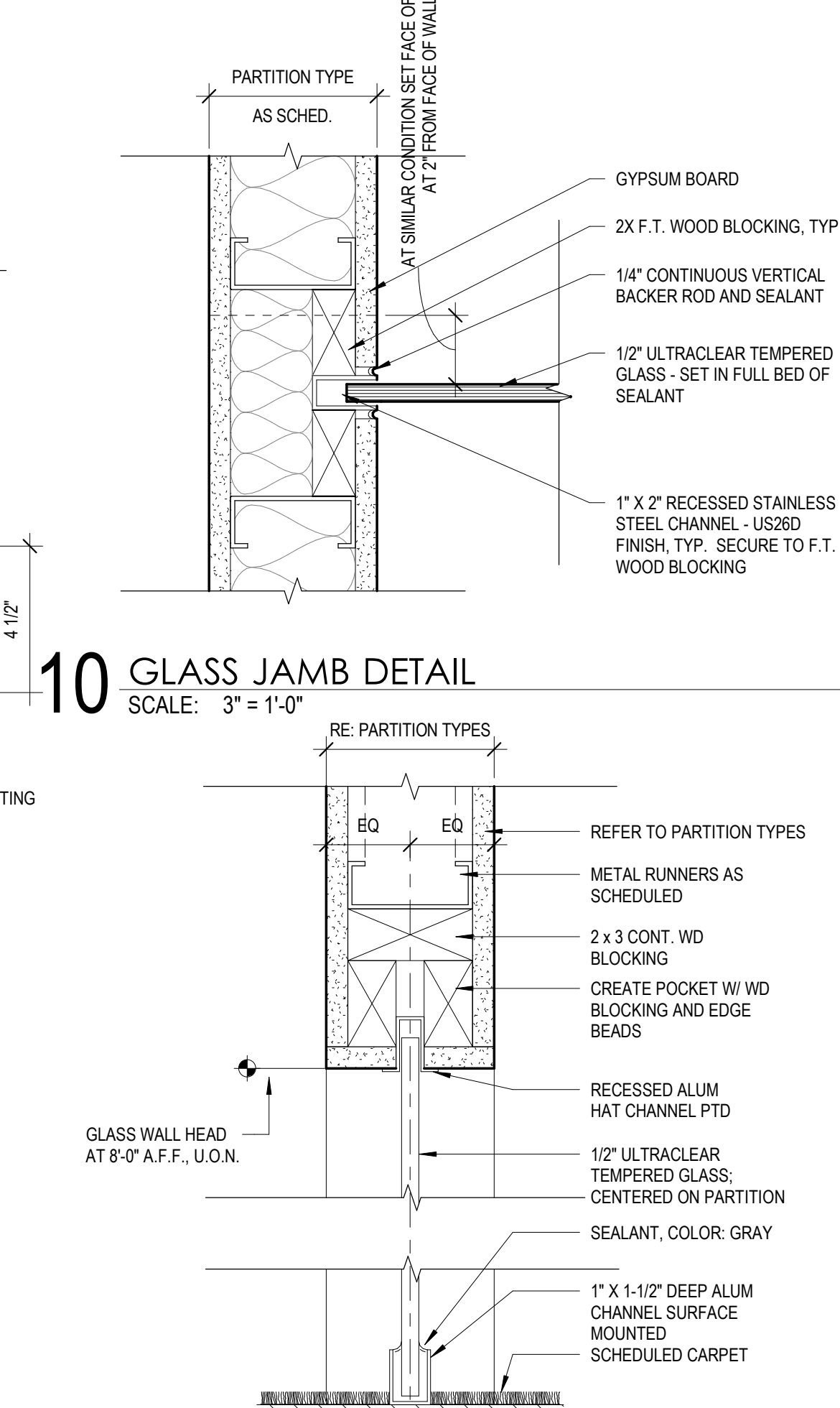
**A3.00.**



**17** PLAN DETAIL AT BOARDROOM  
SCALE: 1 1/2" = 1'-0"

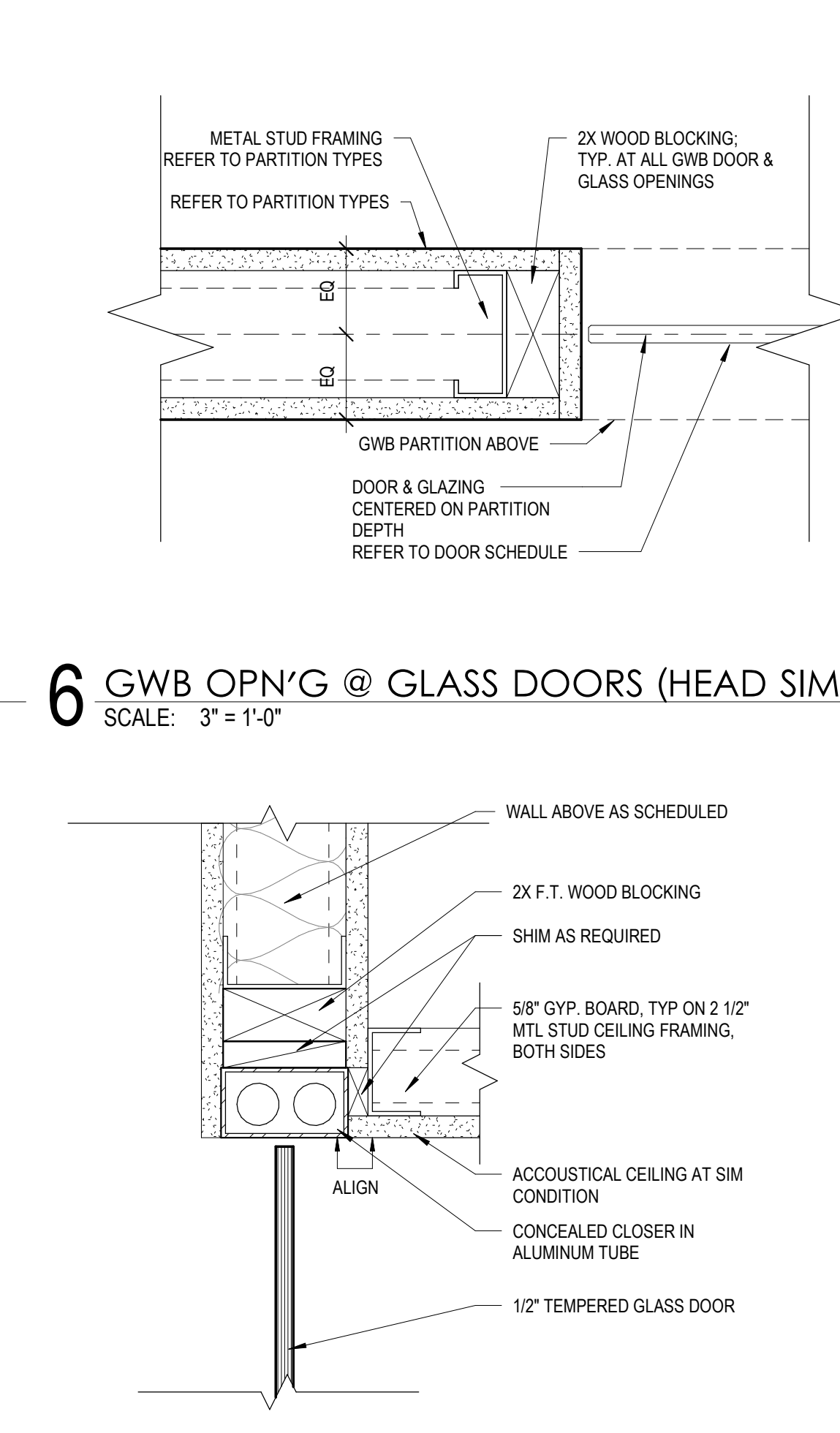


**13** GLASS WALL HEAD GWB OVERHANG DETAIL  
SCALE: 3" = 1'-0"



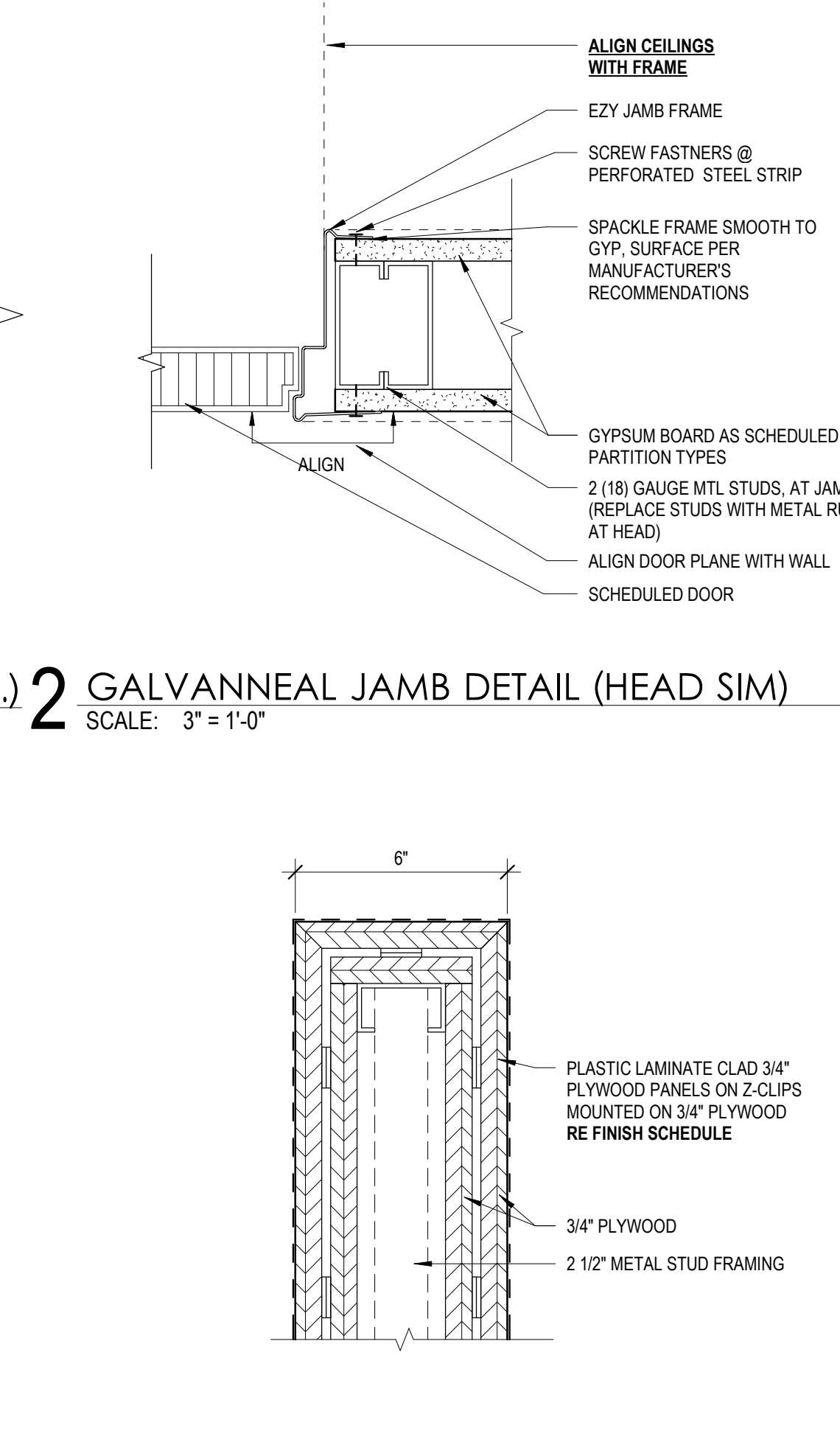
**10** GLASS JAMB DETAIL  
SCALE: 3" = 1'-0"

**9** GLASS WALL HEAD & SILL DETAIL  
SCALE: 3" = 1'-0"



**6** GWB OPN'G @ GLASS DOORS (HEAD SIM.)  
SCALE: 3" = 1'-0"

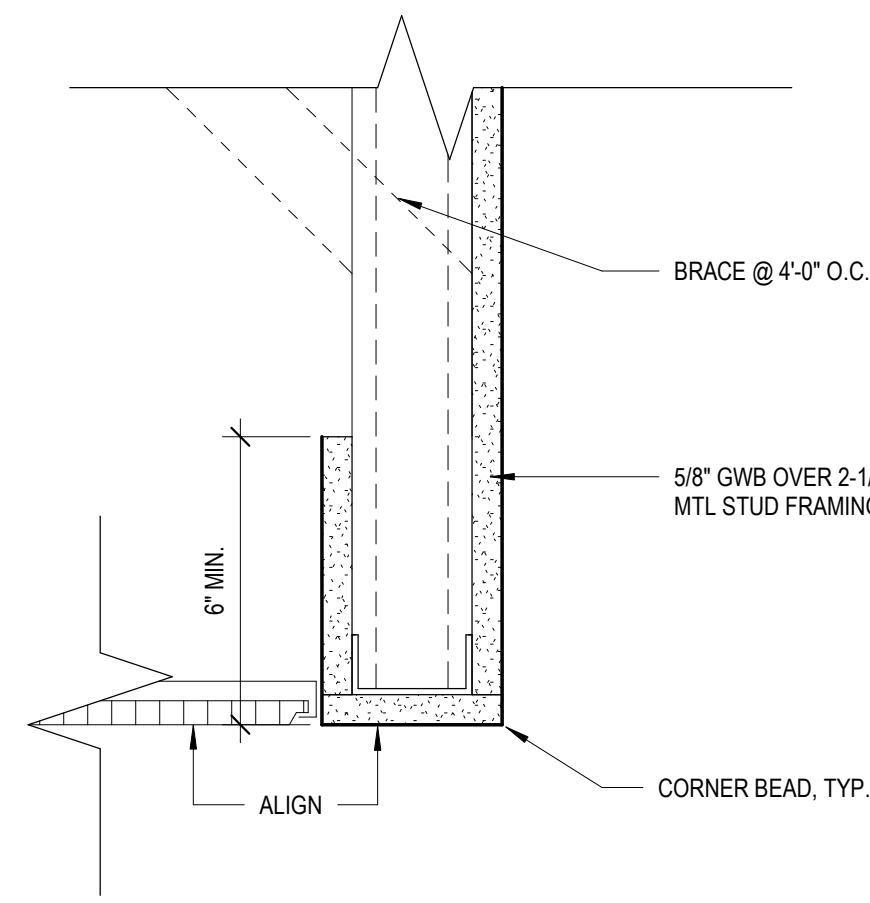
**5** GLASS HEAD DETAIL  
SCALE: 3" = 1'-0"



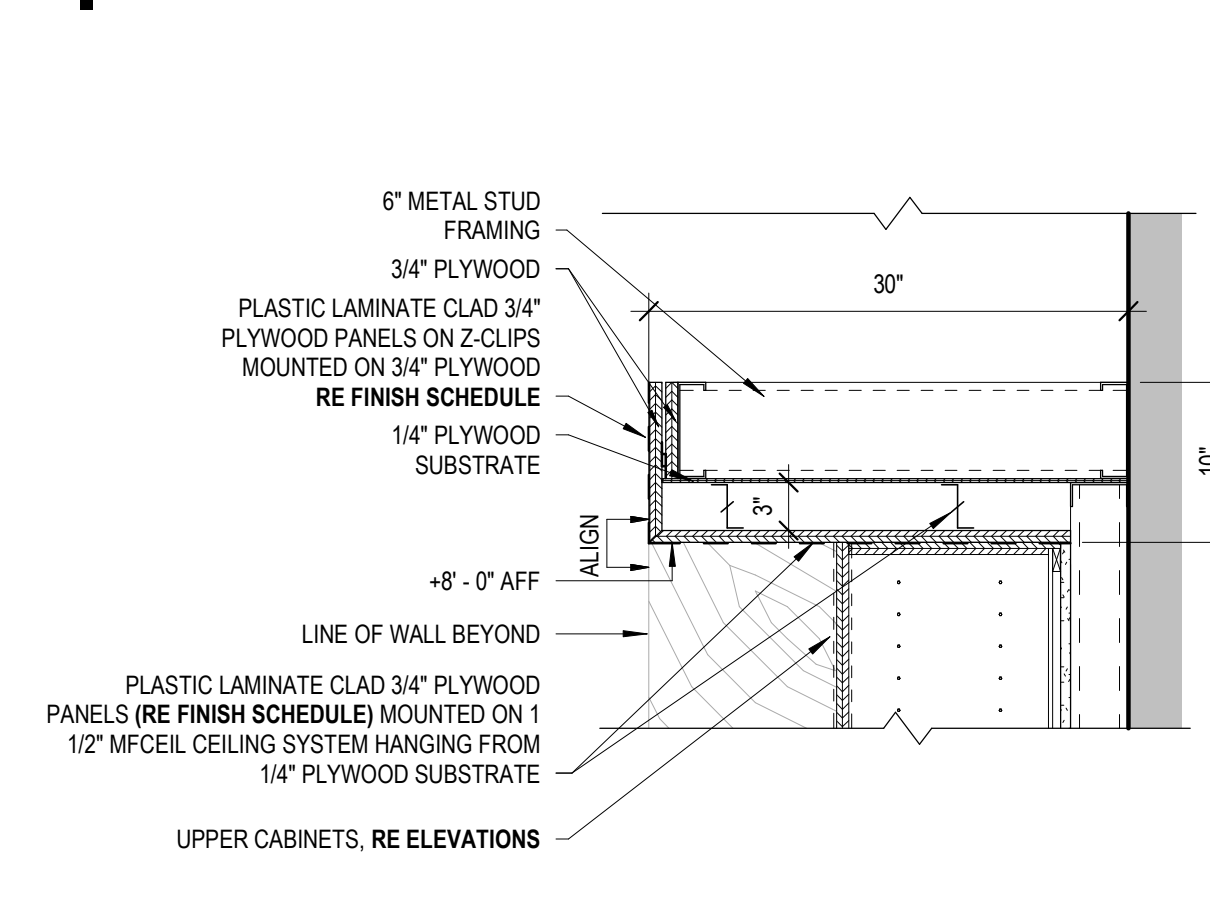
**2** GALVANNEAL JAMB DETAIL (HEAD SIM.)  
SCALE: 3" = 1'-0"

**1** WOOD PANEL WALL SIDE  
SCALE: 3" = 1'-0"

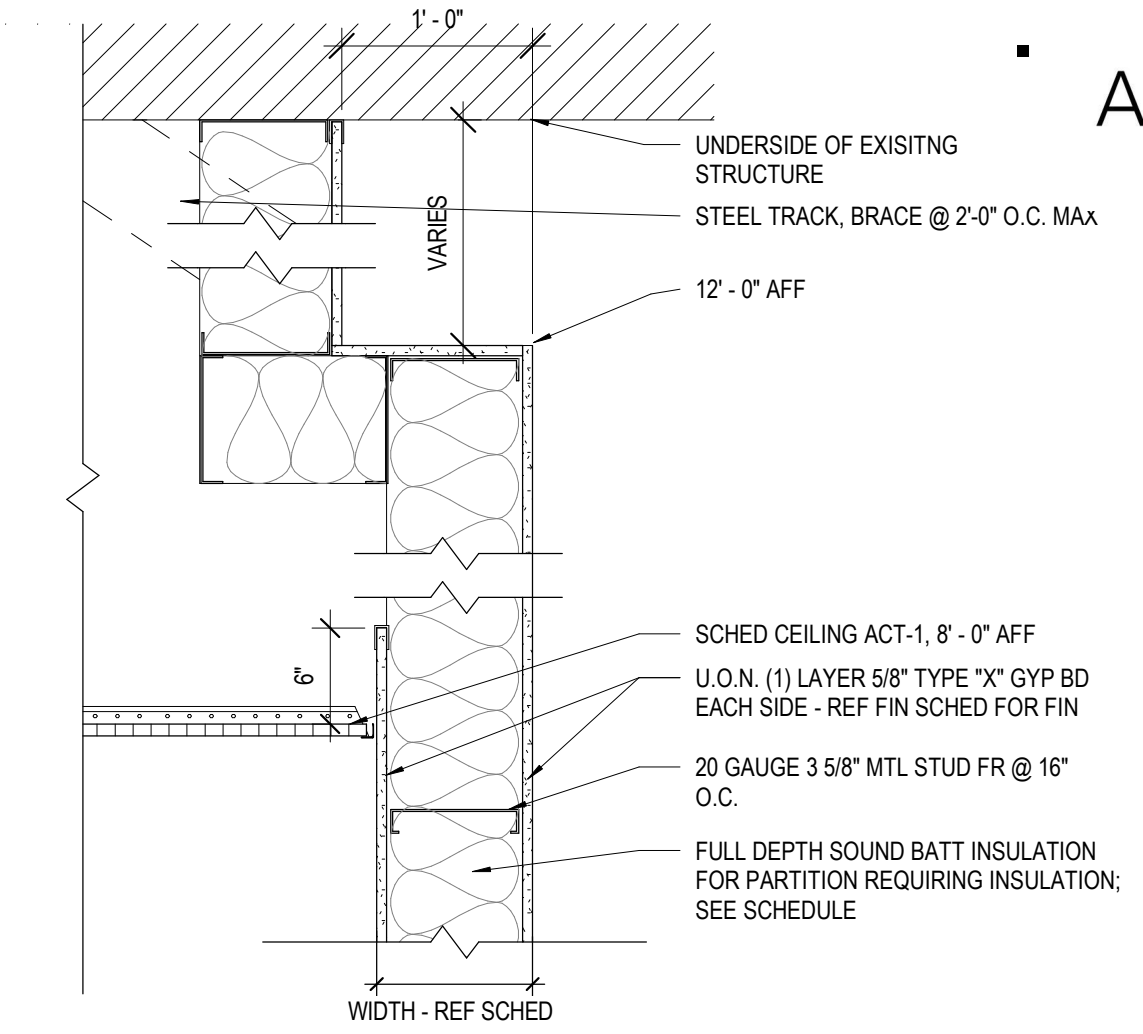
12/13/2019 4:32:28 PM Amenta | Emma Architects, P.C. All rights reserved. Copying, reproduction or distribution prohibited without express written permission. © Copyright



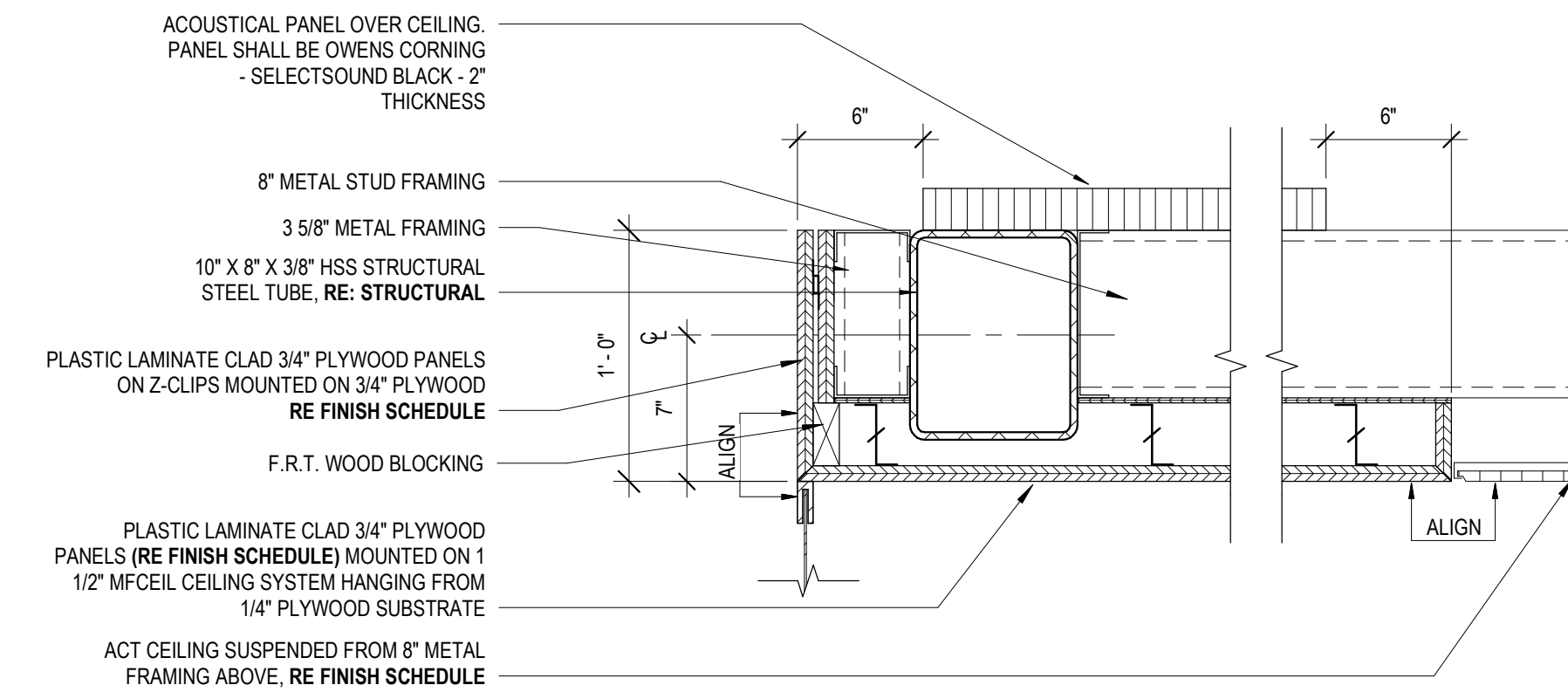
12 GWB HEADER DETAIL  
SCALE: 3" = 1'-0"



8 WOOD PANEL SOFFIT DETAIL  
SCALE: 1" = 1'-0"



4 WALL TO VAULTED CEILING DETAIL  
SCALE: 1" = 1'-0"



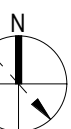
7 GYP - METAL MESH CEILING DETAIL  
SCALE: 1 1/2" = 1'-0"

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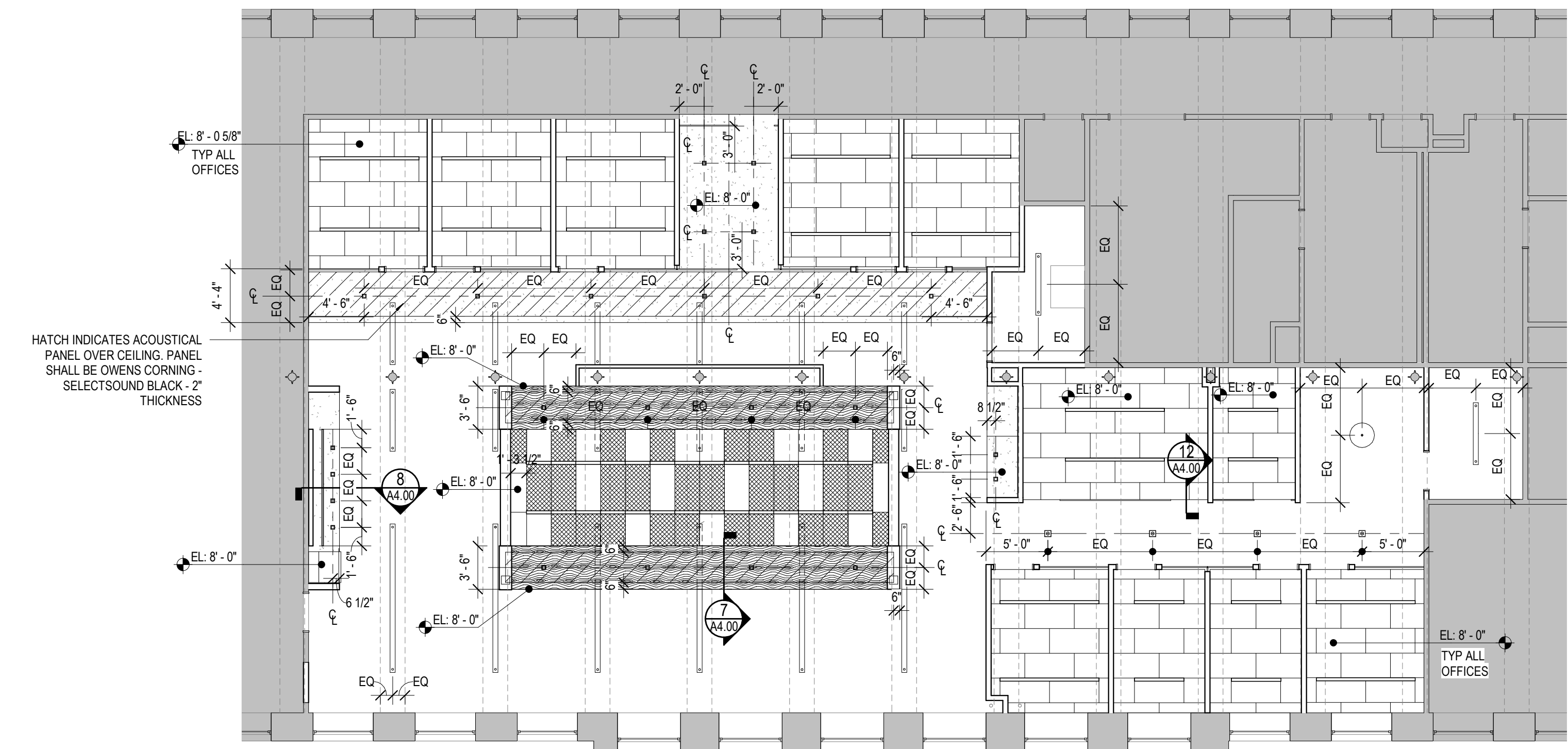
PARTIAL 4TH FLOOR REFLECTED CEILING PLAN

A4.00.

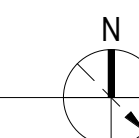
NOTE: SEE ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND WIRING

- CEILING GRID CLIP MOUNTED LINEAR LED
- DIRECT / INDIRECT PENDANT MOUNTED LED FIXTURE
- RECESSED LED DOWNLIGHT
- PENDANT MOUNTED FIXTURES, REFER TO LIGHTING FIXTURE SCHEDULE FOR TYPE
- UNDER CABINET LED LIGHT FIXTURE
- LIGHT SWITCH - CEILING MOUNTED OCCUPANCY SENSOR.
- LIGHT SWITCH - THREE WAY - CEILING MOUNTED OCCUPANCY SENSOR.
- LED EXIT SIGN, CEILING MOUNTED
- LED EXIT SIGN, WALL MOUNTED
- FINISHED GWB CEILING
- 2X4 ACOUSTICAL CEILING SYSTEM
- AUDIO SPEAKER
- OCCUPANCY SENSOR
- MOTION SENSOR
- CEILING HEIGHT TAG
- HVAC EXHAUST PANEL
- HVAC RETURN
- HVAC SUPPLY
- HORN / STROBE TIED TO BUILDING FIRE ALARM
- STROBE TIED TO BUILDING FIRE ALARM

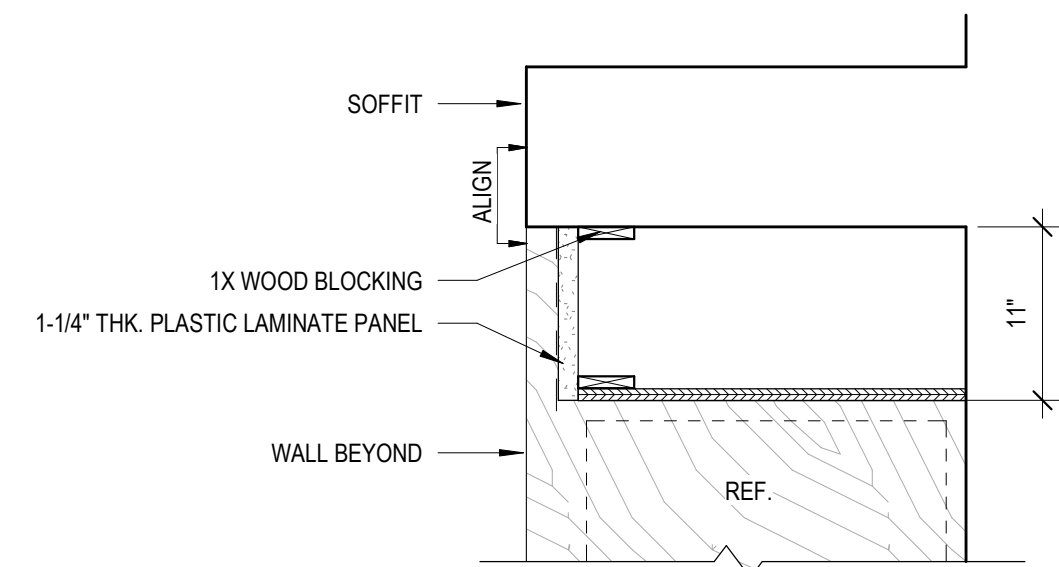
GENERAL REFLECTED CEILING PLAN NOTES	
1	SCHEDULED CEILING HEIGHT SHALL BE MAINTAINED. EXISTING HVAC AND PLUMBING SYSTEMS SHALL BE MODIFIED AS REQUIRED TO MEET CEILING HEIGHTS.
2	ALL NEW OR RELOCATED SPRINKLER HEADS, RECESSED CAN LIGHT FIXTURES, ETC. SHOWN TO BE RELOCATED WITHIN CENTER OF 2X2 OR 2X4 CEILING TILE UNLESS OTHERWISE NOTED
3	ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL WIRING ABOVE THE CEILING WHICH IS ABANDONED AS PART OF THIS OR PAST WORK.
4	ALL CABLES MUST BE SUSPENDED OFF THE LAY-IN CEILING
5	CONTRACTOR TO NOTIFY ARCHITECT IF ANY DISCREPANCIES EXIST BETWEEN ARCHITECTURAL RCP AND ELECTRICAL WIRING PLAN.
6	WHERE NEW OR EXISTING CEILING TILES HAVE A TEGULAR EDGE, KERF ALL CUT CEILING TILES OR TILES THAT PASS OVER PARTITIONS TO MATCH EXISTING EDGE DESIGN.
7	DESIGN SUSPENDED CEILING FRAMING SYSTEMS TO RESIST A LATERAL % OF THE WEIGHT OF THE CEILING ASSEMBLY AND ANY FORCE OF 20 LOADS TRIBUTARY TO THE SYSTEM. USE A MINIMUM CEILING WEIGHT OF 5 POUNDS PER SQUARE FOOT TO DETERMINE THE LATERAL FORCE.
8	WHERE CEILING LOADS DO NOT EXCEED 5 POUNDS PER SQUARE FOOT AND WHERE PARTITIONS ARE NOT CONNECTED TO THE CEILING SYSTEM, THE FOLLOWING BRACING METHODS MAY BE EMPLOYED: A. PROVIDE LATERAL SUPPORT BY FOUR WIRES OF MINIMUM NO. 12 GAUGE PLAYED IN FOUR DIRECTIONS 90 DEGREES APART, AND CONNECTED TO THE MAIN RUNNER WITHIN 2' OF THE CROSS RUN AND TO THE STRUCTURE ABOVE AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM THE PLANE OF THE CEILING. PROVIDE THESE LATERAL SUPPORT POINTS 12 FEET ON CENTER IN EACH DIRECTION, WITH THE FIRST POINT WITHIN 4' FROM EACH WALL. B. ALLOW FOR LATERAL MOVEMENT OF THE SYSTEM. ATTACH MAIN RUNNERS AND CROSS RUNNERS AT TWO ADJACENT WALLS. MAINTAIN CLEARANCE BETWEEN THE WALL AND THE RUNNERS AT THE OTHER TWO WALLS. C. PROVIDE VERTICAL SUPPORT AS REQUIRED IN BUILDING CODES. IN ADDITION, VERTICALLY SUPPORT ENDS OF RUNNERS WITH 8" OF DISCONTINUITIES SUCH AS MAY OCCUR WHERE THE CEILING IS INTERRUPTED BY A WALL. D. SUPPORT LIGHT FIXTURES AND AIR DIFFUSERS DIRECTLY TO THE STRUCTURE ABOVE.
9	CEILING HEIGHT SHALL BE 8'-0" A.F.F., U.O.N.
10	ALL CEILINGS SHALL BE CENTERED ON ROOMS, U.O.N.
11	ALL ACOUSTICAL CEILINGS SHALL BE TYPE ACT-1, PER THE FINISH SCHEDULE U.O.N.
12	EXISTING CEILING STRUCTURE AND BRICK WALLS SCHEDULED TO BE EXPOSED SHALL BE COATED WITH A WHITEWASH. ARCHITECT TO APPROVE LEVEL OF WHITEWASH INTENSITY.
13	A SHOP DRAWING SHALL BE PROVIDED FOR THE LIGHTING FIXTURE LAYOUTS. DIMENSIONS PROVIDED ON THE PLANS REPRESENT THE DESIGN INTENT AND WILL BE REVIEWED AFTER THE CONTRACTOR HAS VERIFIED THE FIELD CONDITIONS.



9 PARTIAL 4TH FLOOR REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"



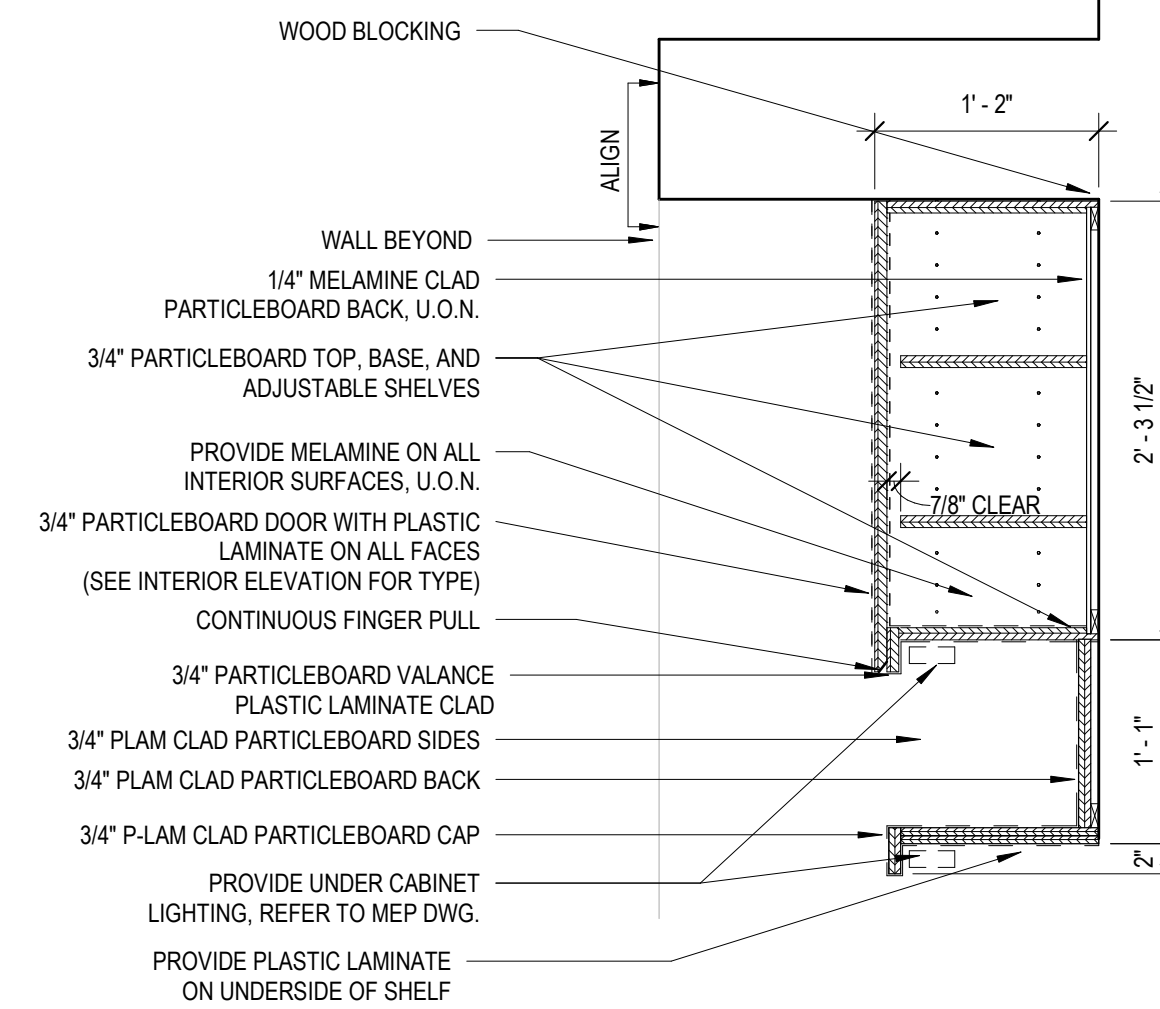




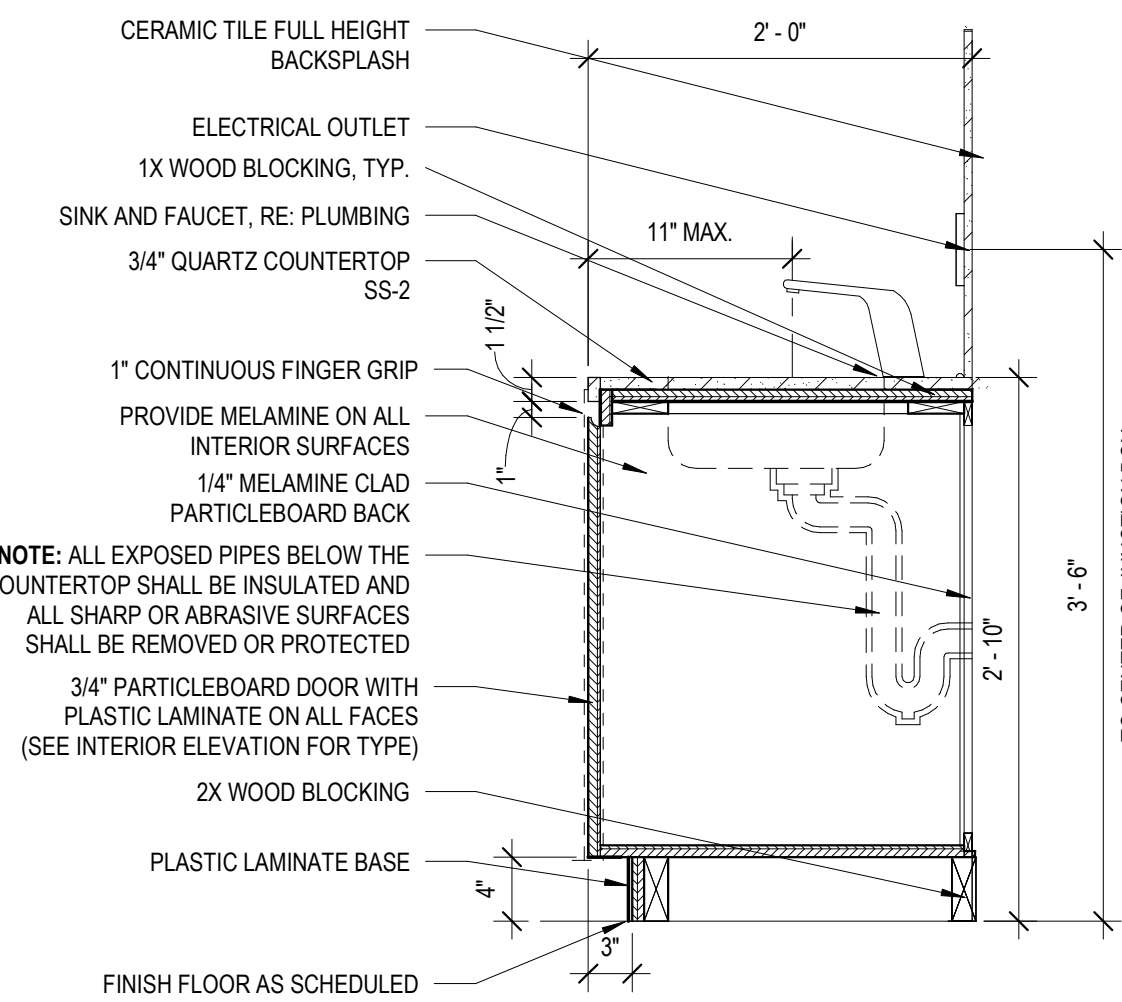
**9** TYP. SECTION ABOVE REFRIGERATOR  
SCALE: 1" = 1'-0"

NOTE: TRADE CONTRACTOR TO PROVIDE FIRE TREATED WOOD BLOCKING AS REQUIRED FOR THE MOUNTING OF CABINETS, COUNTERS, ETC. TYP.

REFER TO PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS



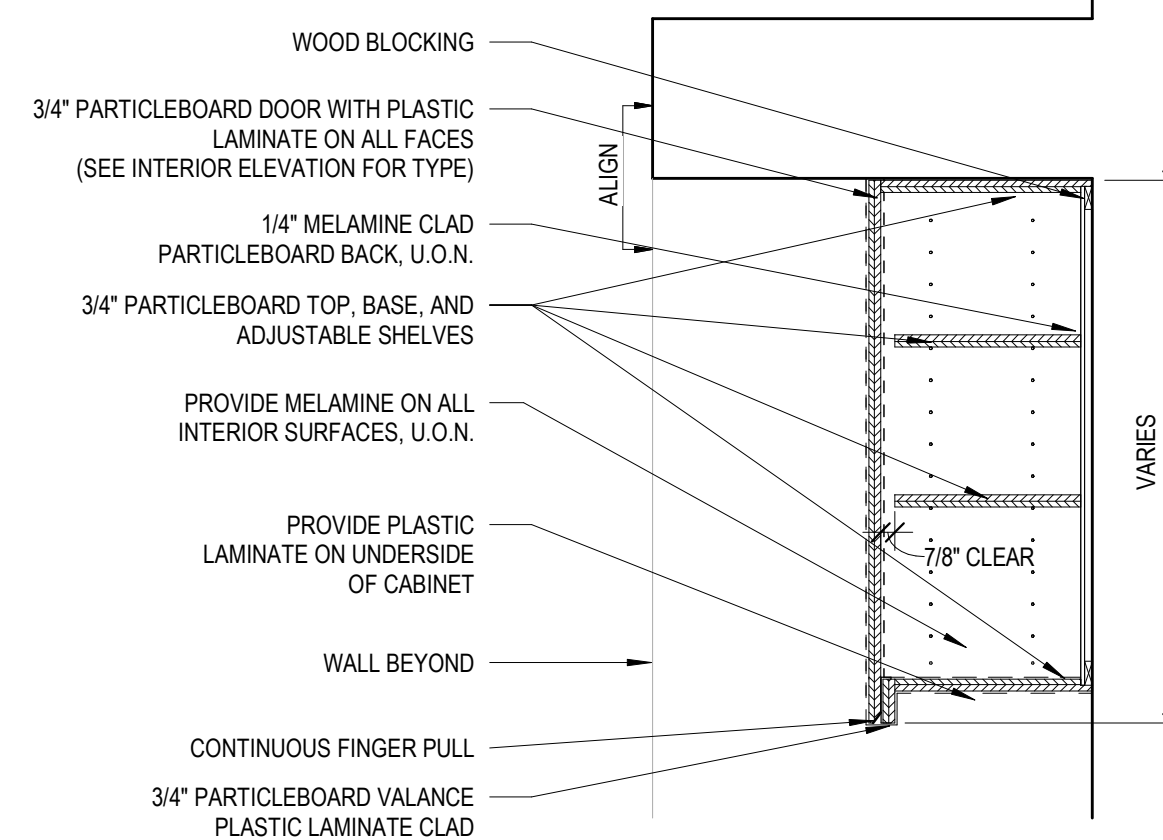
**6** TYPICAL UPPER CABINET SECTION AT KITCHEN  
SCALE: 1" = 1'-0"



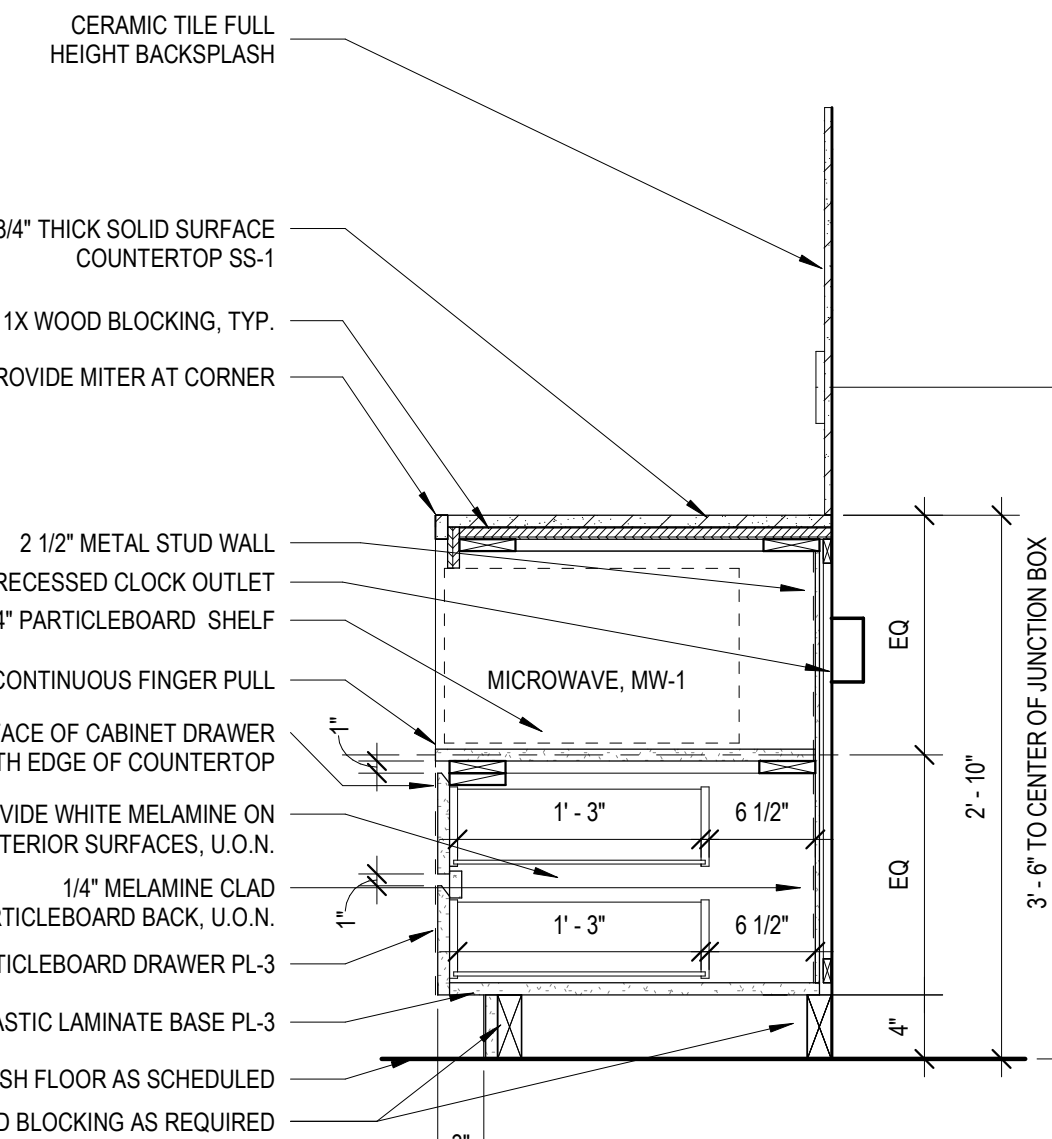
**3** TYPICAL SECTION AT SINK CABINET (SOLID SURFACE)  
SCALE: 1" = 1'-0"

NOTE: TRADE CONTRACTOR TO PROVIDE FIRE TREATED WOOD BLOCKING AS REQUIRED FOR THE MOUNTING OF CABINETS, COUNTERS, ETC. TYP.

REFER TO PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS



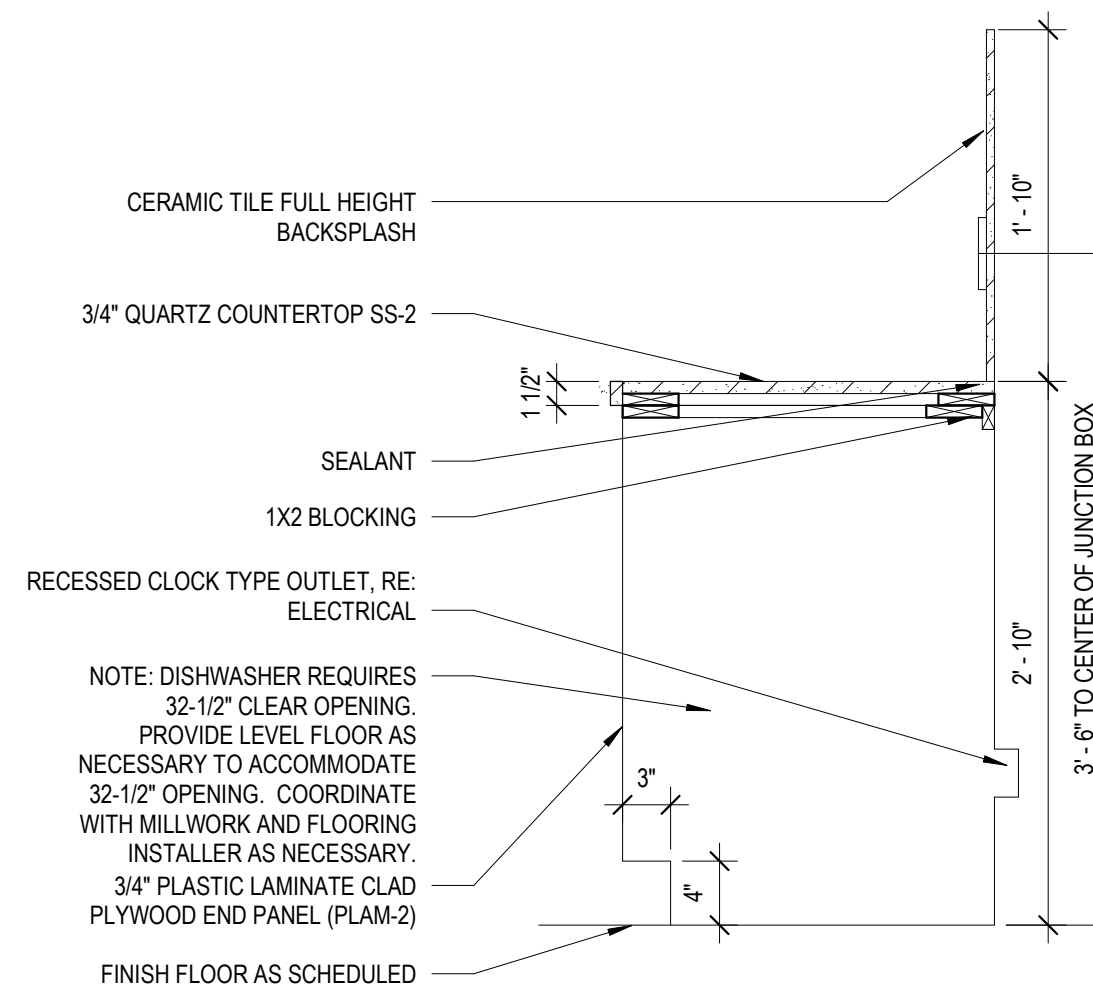
**5** TYPICAL UPPER CABINET SECTION  
SCALE: 1" = 1'-0"



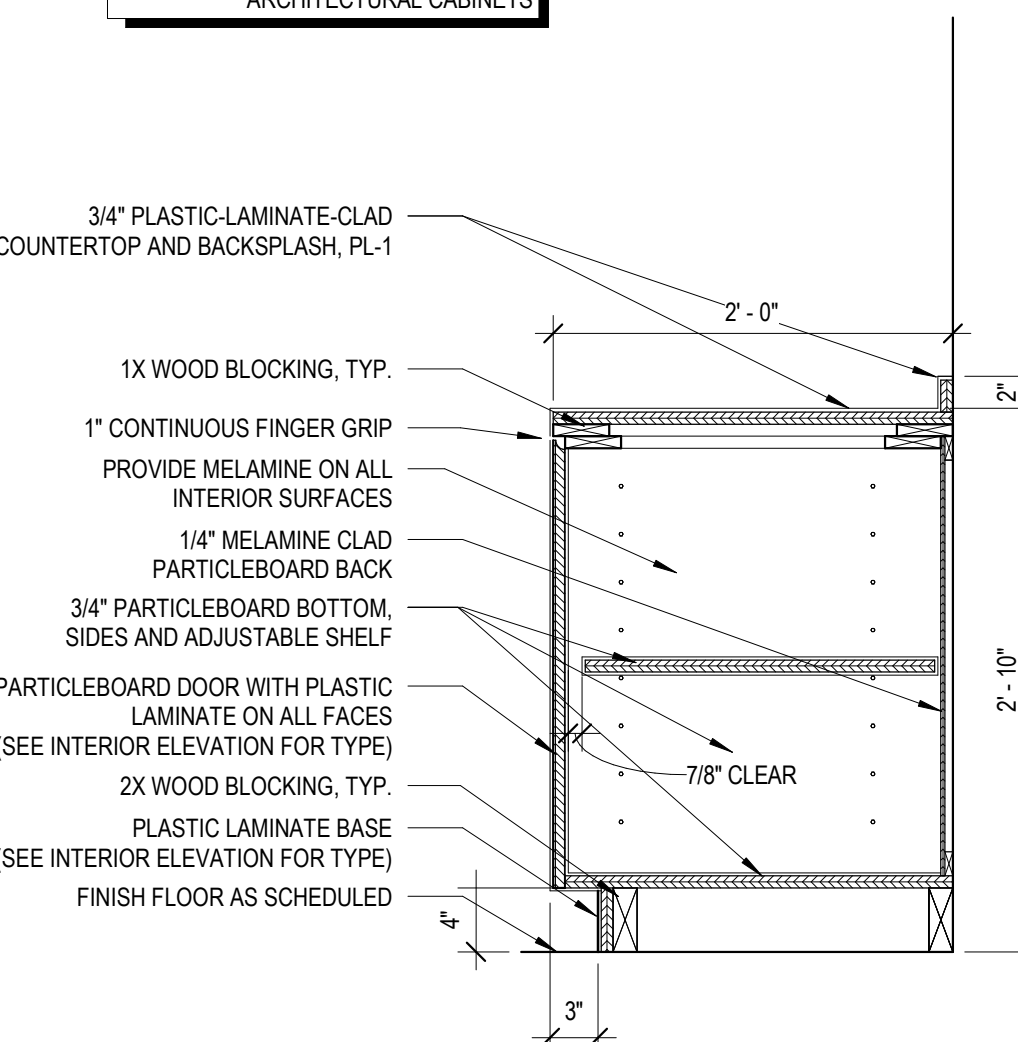
**2** TYPICAL SECTION AT BASE CABINET 2/ 2 DRAWERS AND MICROWAVE  
SCALE: 1" = 1'-0"

NOTE: CONTRACTOR TO PROVIDE FIRE TREATED WOOD BLOCKING AS REQUIRED FOR THE MOUNTING OF CABINETS, COUNTERS, ETC. TYP.

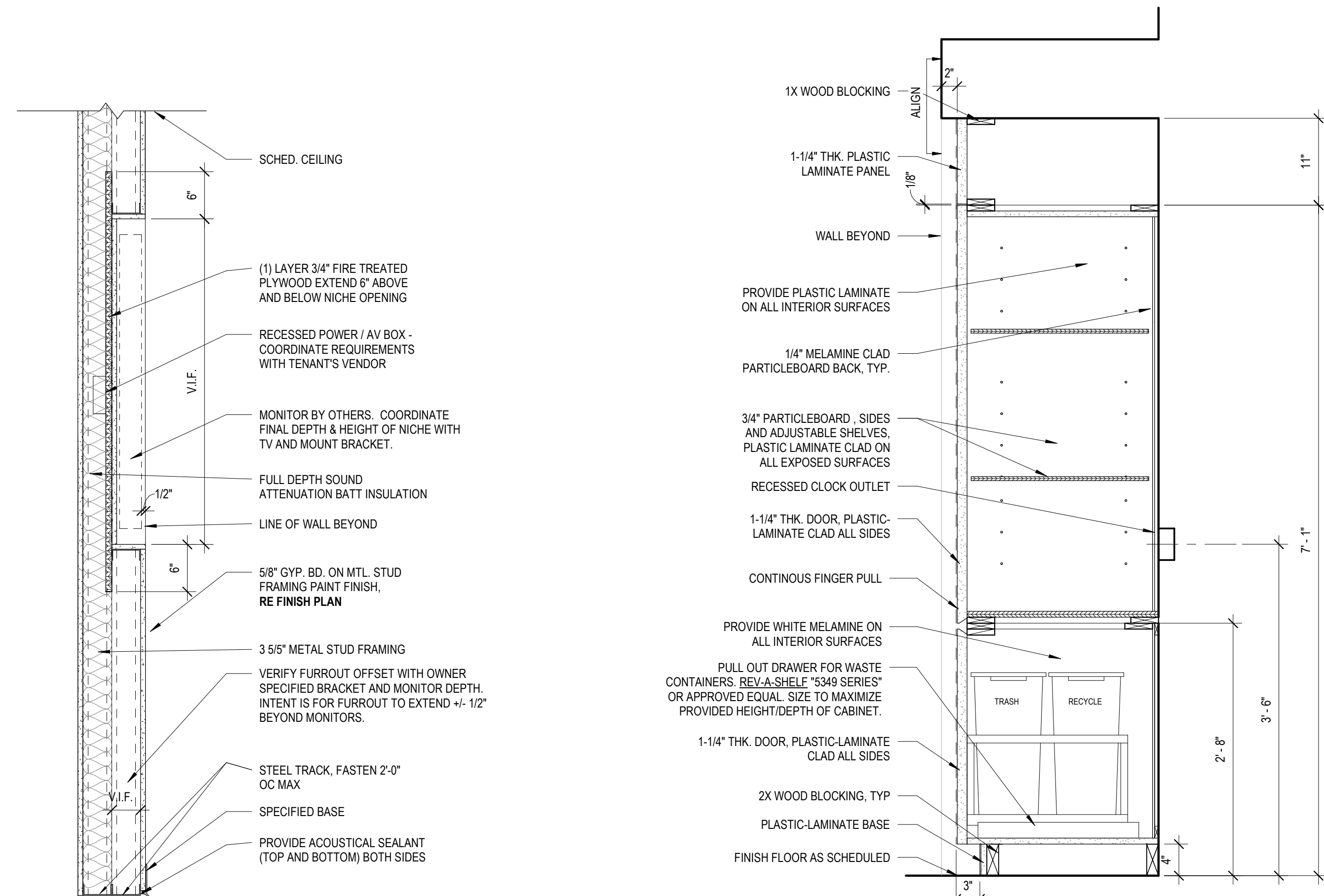
REFER TO PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS



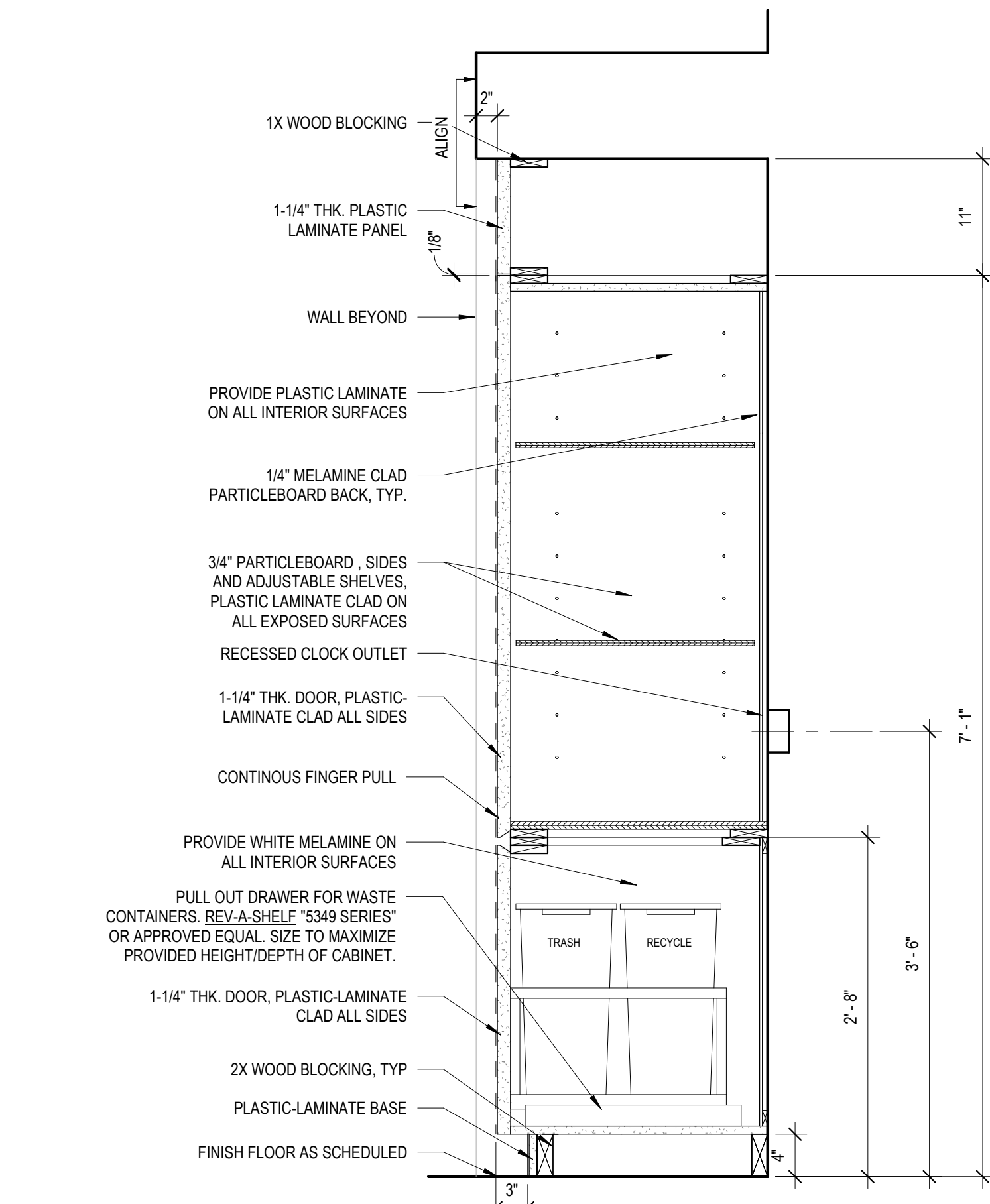
**4** TYPICAL SECTION AT DISHWASHER  
SCALE: 1" = 1'-0"



**1** TYPICAL SECTION AT BASE CABINET (PLAM)  
SCALE: 1" = 1'-0"



**10** TYPICAL SECTION AT RECESSED TV  
SCALE: 1" = 1'-0"



**7** TYPICAL SECTION AT TALL CABINETS  
SCALE: 1" = 1'-0"

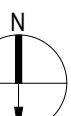
CT INNOVATIONS

CT INNOVATIONS - COLT BUILDING

120 Huyslope Ave - 4th Floor  
Hartford, CT 06106

CONSULTANTS

KEY PLAN



PROJECT DATA

PROJECT NUMBER	19039
CURRENT SUBMISSION DATE	12.13.2019
DRAWN	MKH
CHECKED	DLS
SCALE	As indicated
FILE REFERENCE	C:\Users\nmm\Documents\19039_CT INNOVATIONS - COLT GATEWAY CENTRAL_2019_nmm.rvt

REVISIONS

No.	Date	Description

BID SET

SHEET TITLE

MILLWORK DETAILS

PAINT	BASE	LAMINATE	CARPET
PT-1 GENERAL WALL PAINT SHERWIN WILLIAMS COLOR: HIGH REFLECTIVE WHITE SW 7757 FINISH: MATTE	PROVIDE STRAIGHT BASE @ ALL LOCATIONS	PL-1 MANUFACTURER: FORMICA INFINITI COLOR: COLORCORE2 909C-AN BLACK	CPT-1 MANUFACTURER: TANDUS CENTIVA STYLE: GEOKNIT 10887 COLOR: OCEAN ISLE 42718 INSTALLATION: TILE
PT-1A SEMI GLOSS FOR DOOR FRAMES SHERWIN WILLIAMS COLOR: HIGH REFLECTIVE WHITE SW 7757 FINISH: SEMI GLOSS	RB-1 MANUFACTURER: JOHNSONITE STYLE: 4" RUBBER BASE, 120' CONTINUOUS ROLL COLOR: 50 WHITE W	PL-2 MANUFACTURER: TREEFROG COLOR: TEAK GROOVE 60816	CPT-2 MANUFACTURER: BENTLEY MILLS STYLE: OUTLIER 80U23 COLOR: PERIMETER 801681 INSTALLATION: TILE
PT-2 ACCENT WALL PAINT SHERWIN WILLIAMS COLOR: IRON ORE SW 7069 FINISH: MATTE	RB-2 MANUFACTURER: JOHNSONITE STYLE: 4" RUBBER BASE, 120' CONTINUOUS ROLL COLOR: T44 GATEWAY WG	WINDOW TREATMENTS	ACOUSTICAL CEILING ASSEMBLY
PT-2A SEMI GLOSS FOR DOOR FRAMES SHERWIN WILLIAMS COLOR: IRON ORE SW 7069 FINISH: SEMI GLOSS	RB-3 MANUFACTURER: JOHNSONITE STYLE: 4" RUBBER BASE, 120' CONTINUOUS ROLL COLOR: 293 PEACOCK	WS-1 MANUFACTURER: MECHOSHADE STYLE: TBD COORD. W/ OWNER	ACT-1 MANUFACTURER: ARMSTRONG TILE: ULTIMA TEGULAR GRID: SUPRAFINE 9/16" EXPOSED TEE SIZE: 2X4 COLOR: WHITE INSTALLATION PATTERN: ASHLAR
PT-3 ACCENT WALL PAINT SHERWIN WILLIAMS COLOR: GREAT FALLS SW 6495 FINISH: MATTE	RB-4 MANUFACTURER: JOHNSONITE STYLE: 4" RUBBER BASE, 120' CONTINUOUS ROLL COLOR: T83 DOVER CG	METAL	ACT-2 MANUFACTURER: ARMSTRONG TILE: CALLA TEGULAR GRID: SUPRAFINE 9/16" EXPOSED TEE, BLACK SIZE: 2X4 COLOR: BLACK
PT-4 WHITE WASH PAINT FOR BRICK SHERWIN WILLIAMS COLOR: TBD FINISH: TBD	WB-1 4" WOOD BASE PAINTED TO MATCH WALL	MTL-1 MANUFACTURER: MOZ DESIGNS STYLE: LASER CUT ALUMINUM PATTERN: 3/16" DIA PERFORATIONS 5/16" STG. CTRS. COLOR: BLACK SAND	
PT-5 ACCENT WALL PAINT SHERWIN WILLIAMS COLOR: ZIRCON SW 7667 FINISH: MATTE	WB-2 4" WOOD BASE TO MATCH LAMINATE PANEL	TILE	
	WALL TILE	T-1 MANUFACTURER: FLORIDATILE STYLE: THINNER-AVENTIS COLOR: TITANIUM AT35 SIZE: 39"X39"	
	WT-1 MANUFACTURER: CREATIVE MATERIALS CORP. PATTERN: BYTE, GLOSSY COLOR: TEAL	VCT	
	SOLID SURFACE	VCT-1 MANUFACTURER: ARMSTRONG SDT STYLE: EXCELON SDT SIZE: 12"X12" COLOR: ARMOR GRAY 51951	
	SS-2 MANUFACTURER: CAESARSTONE STYLE: QUARTZ COLOR: 4120 RAVEN		

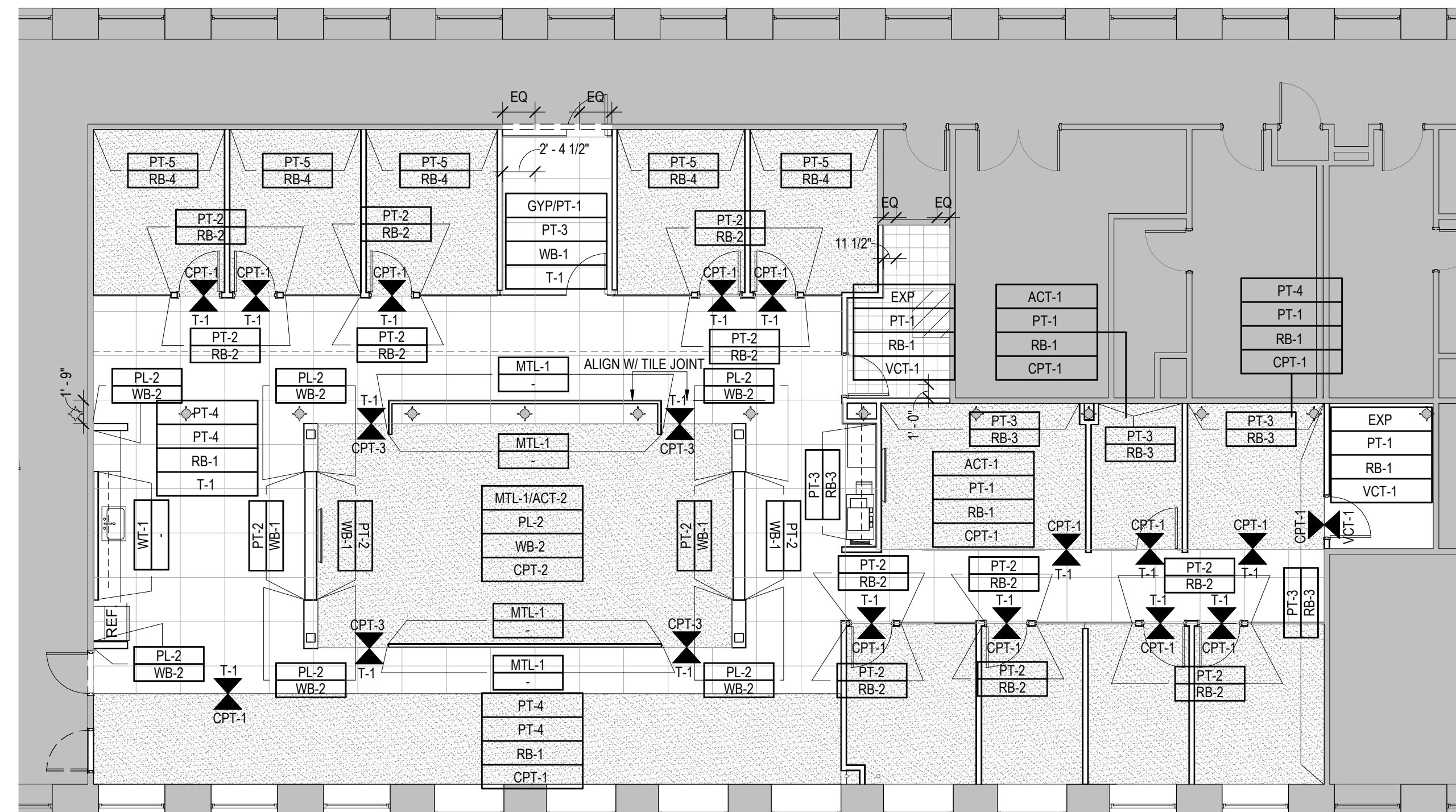
FINISH SCHEDULE

CT INNOVATIONS

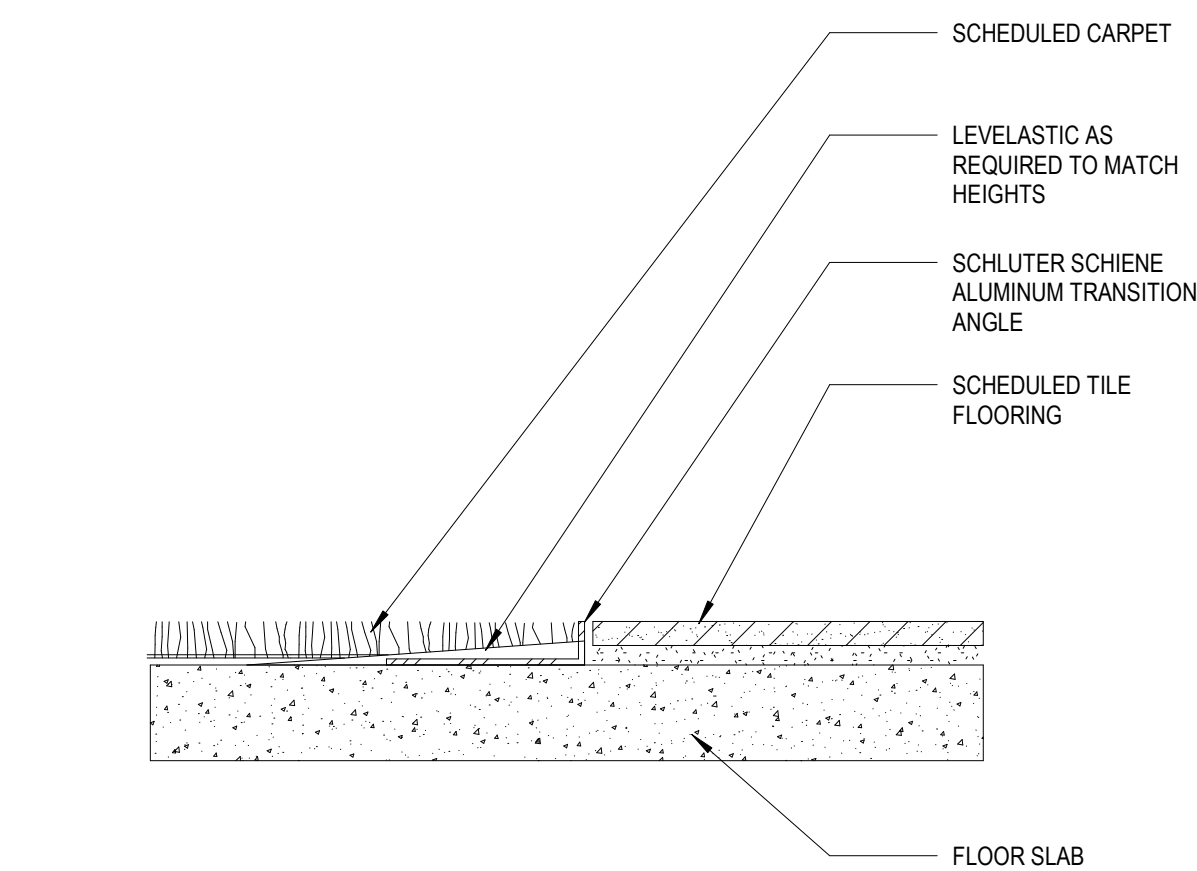
CT INNOVATIONS - COLT  
BUILDING  
120 Huyslope  
Ave - 4th Floor  
Hartford, CT  
06106

CONSULTANTS

KEY PLAN



GENERAL FINISH NOTES	
1	FLOOR MUST BE CLEAR OF ALL DUST AND DEBRIS PRIOR TO FLOORING INSTALLATION TO INSURE PROPER ADHESION TO SLAB.
2	FLOORING SUBCONTRACTOR SHALL PATCH/REPAIR ANY CRACKS, DEVIATIONS, AND ROUGH SURFACES ON ENTIRE CONCRETE SLAB, PRIOR TO INSTALLATION OF FLOORING MATERIALS.
3	WHERE FLOOR FINISHES CHANGE AT A DOOR, THE LINE OF TRANSITION SHALL BE AT THE CENTERLINE OF THE DOOR.
4	FLOORING SUBCONTRACTOR TO PROPERLY FLASH PATCH FLOOR SLAB PRIOR TO INSTALLATION OF FLOORING MATERIALS.
5	CONTRACTOR SHALL INSTALL BASE ON ALL PARTITIONS, COLUMNS, CABINET BASES, COLORS AS SPECIFIED IN LEGEND, U.O.N.
6	ALL SEAMS & TOP COATED SEALERS MUST BE PROVIDED BY MANUFACTURER FOR DURABILITY.
7	ALL FINISHES SHALL BE APPLIED/INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS OR INSTRUCTIONS.
8	ALL WALLS TO RECEIVE PAINT PT-1, U.O.N.
9	ALL FLOORS TO RECEIVE TILE, T-1, U.O.N.
10	ALL BASE TO BE WB-1, U.O.N.
12	ALL H.M. DOORS AND FRAMES SHALL BE PAINTED WITH PT-1A (SEMI-GLOSS), U.O.N.
13	ALL SUBCONTRACTORS SHALL REVIEW THE EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES OR CONFLICTIONS TO THE ARCHITECT PRIOR TO INSTALLATION.
15	CONCRETE AND PATCHING AND FLASH PATCHING MATERIALS SHALL BE APPROPRIATE AND COMPATIBLE WITH INSTALLATION REQUIREMENTS OF DECORATIVE FLOOR FINISHES AND EXISTING CONCRETE SLAB.
16	PATCH CONCRETE FLOOR SURFACES TO ENSURE MAXIMUM VARIATION OF 1/8" IN 10'-0" FOR FLOORS TO BE COVERED WITH FLOORING MATERIAL. CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 302 AND ACI 304.
17	CONTRACTOR TO CARRY ALLOWANCE OF \$10,000 FOR FLOOR LEVELING. (PROJECT ARCHITECT TO REVIEW IF REQUIRED FOR PROJECT)
18	ALKALINITY AND ADHESION TESTING: PERFORM TESTS RECOMMENDED BY MANUFACTURER. PROCEED WITH INSTALLATION ONLY AFTER SUBSTRATES PASS TESTING.
19	ALL OFFICES TO RECEIVE ACT-1, PT-1, RB-1, CPT-1, U.O.N.
20	PAINT ALL EXPOSED BRICK PT-4
21	CLEAN EXISTING COLUMNS AND LEAVE THEM EXPOSED STEEL



13 TILE TO CARPET TRANSITION  
SCALE: 12" = 1'-0"

9 4TH FLOOR - FINISH PLAN  
SCALE: 1/8" = 1'-0"

PROJECT DATA

PROJECT NUMBER	19039
CURRENT SUBMISSION DATE	12.13.2019
DRAWN	Author
CHECKED	Checker
SCALE	As indicated
FILE REFERENCE	C:\Users\inmm\Documents\19039_CT INNOVATIONS - COLT GATEWAY_CENTRAL_2019_nmm.rvt

HISTORY OF SUBMISSIONS

No.	Date	Description

BID SET

SHEET TITLE

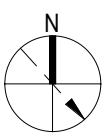
FINISH PLAN AND SCHEDULE, FLOORING DETAILS

CT INNOVATIONS

CT INNOVATIONS – COLT BUILDING  
 120 Huyshope Ave - 4th Floor  
 Hartford, CT 06106

CONSULTANTS

KEY PLAN



PROJECT DATA

PROJECT NUMBER 19039  
 CURRENT SUBMISSION DATE 12.13.2019  
 DRAWN Author  
 CHECKED Checker  
 SCALE As indicated  
 FILE REFERENCE C:\Users\inmm\Documents\19039\_CT INNOVATIONS - COLT GATEWAY\_CENTRAL\_2019\_nmm.rvt

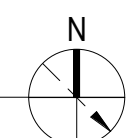
HISTORY OF SUBMISSIONS

No.	Date	Description

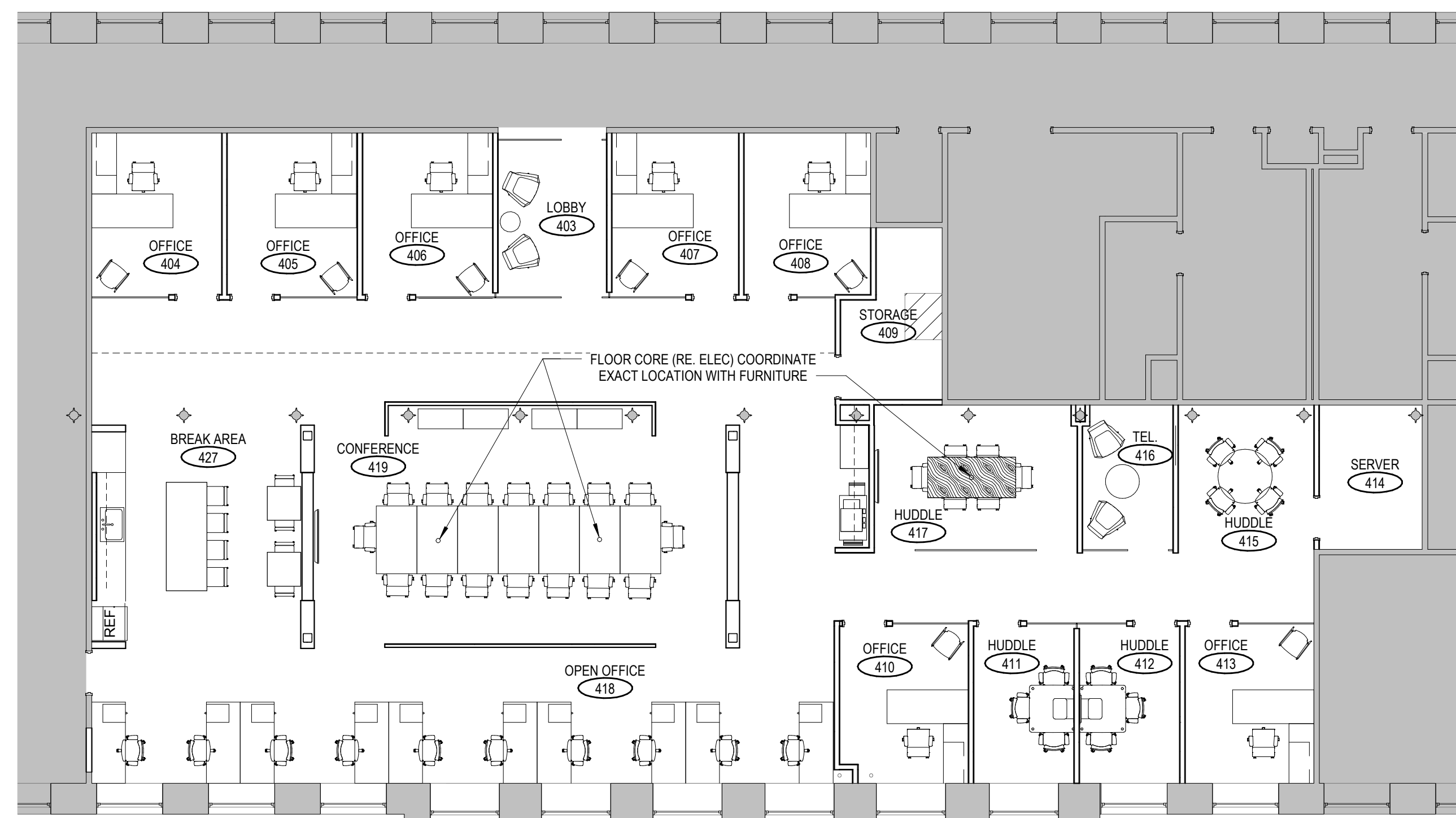
BID SET

SHEET TITLE

FURNITURE AND FLOOR CORE PLANS



A7.00.



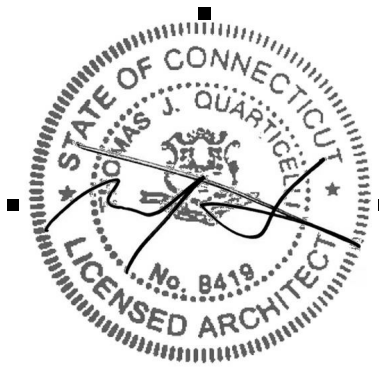
4TH FLOOR – FURNITURE AND FLOOR CORE PLAN  
 SCALE: 1/8" = 1'-0"

GENERAL POWER PLAN NOTES					
1	PRIOR TO CORING OR TRENCHING SLAB, REVIEW LOCATIONS WITH ARCHITECT AND COORDINATE LOCATIONS WITH OWNER. REVIEW ACCEPTABLE TIMES OF DAY TO EXECUTE THE WORK WITH THE OWNER, REGULAR TIME OR OVERTIME. INCLUDE IN THE BASE BID.				
2	COORDINATE INSTALLATION OF TELECOMMUNICATIONS, DATA AND SECURITY SYSTEMS WITH VENDORS.				
3	FURNITURE SHOWN FOR DESIGN INTENT ONLY. COORDINATE WITH FURNITURE VENDOR ON FINAL FURNITURE LAYOUT AND ALL REQUIREMENTS PRIOR TO CONSTRUCTION. FURNITURE VENDOR SHALL BE RESPONSIBLE TO FURNISH AND HALL INSTALLED ALL FURNITURE, MOVABLE PARTITIONS & WORK STATIONS, FILE CABINETS, ETC. IT SHALL BE THE RESPONSIBILITY OF THE VENDOR TO CHECK AND VERIFY ALL MEASUREMENTS AND CONDITIONS IN THE FIELD PRIOR TO FINALIZING THE FURNITURE LAYOUT.				
4	VERIFY EQUIPMENT SPECIFICATIONS, POWER AND INSTALLATION REQUIREMENTS WITH MANUFACTURER TO ENSURE PROPER FIT AND FUNCTION.				
5	VERIFY MOUNTING REQUIREMENTS OF ELECTRICAL, TELEPHONE AND OTHER EQUIPMENT.				
6	GANG ADJACENT LIGHT SWITCHES AND COVER WITH A SINGLE PLATE.				
7	MOUNT STANDARD WALL OUTLETS, SWITCHES AND THERMOSTATS AT HEIGHTS REQUIRED BY ANSI GUIDELINES, UNLESS OTHERWISE NOTED. WHEN THERMOSTATS AND LIGHT SWITCH OCCUR TOGETHER, INSTALL BOTH ALIGNED HORIZONTALLY WITH CENTER LINE AT +3'-2" ABOVE FINISHED FLOOR. SEE MOUNTING HEIGHTS INFORMATION.				
8	INDICATED DIMENSIONS ARE TO THE CENTER LINE OF OUTLET OR SWITCH, CLUSTER OF OUTLETS OR SWITCHES, UNLESS OTHERWISE NOTED.				
9	INSTALL OUTLETS ON OPPOSITE SIDES OF PARTITIONS IN SEPARATE STUD CAVITIES. DO NOT INSTALL BACK-TO-BACK.				
10	PROVIDE MATCHING COVER PLATES, RECEPTACLES AND RELATED ITEMS. REPLACE EXISTING NON-MATCHING AS REQUIRED. PROVIDE ONE-PIECE TYPE GANG COVER PLATES, UNLESS OTHERWISE NOTED.				
11	ALL LIGHT SWITCHES SHALL BE LEVITON 5601-W DECORA AC QUIET ROCKER SWITCHES COLOR WHITE UNLESS OTHERWISE NOTED. ALL EXISTING SWITCHES SHALL BE RETROFITTED TO MATCH NEW SPECIFICATION.				
12	ALL RECEPTACLES SHALL BE LEVITON 5325-W DECORA AC RECEPTACLES COLOR WHITE UNLESS OTHERWISE NOTED. ALL EXISTING RECEPTACLES SHALL BE RETROFITTED TO MATCH NEW SPECIFICATION.				
13	IDENTIFY DEDICATED OR ISOLATED GROUND ELECTRICAL OUTLETS WITH A RED DOT.				
14	COORDINATE WITH CABLE VENDOR TO LOCATE CABLE TRAYS ABOVE CEILING AS REQUIRED.				
15	COORDINATE ELECTRICAL REQUIREMENTS FOR ALL DOORS REQUIRING CARD READER ACCESS, OR THAT HAVE OTHER ELECTRICAL HARDWARE REQUIREMENTS. COORDINATE WITH SECURITY VENDOR AND WITH THE DOOR HARDWARE SCHEDULE.				

13 GENERAL POWER PLAN NOTES

EQUIP. TAG	ITEM	MANUFACTURER	MODEL#	SIZE WXHXD	FINISH
REF-1	REFRIGERATOR	BEKO	BBBF3019IMWECF	29 3/4" X 83 1/2" X 24"	GRAPHITE
DW-1	DISHWASHER	ASKO	DB1663THS	23 7/8" X 32 3/4" X 34 3/4" X 22"	STAINLESS STEEL
MW-1	MICROWAVE	PANASONIC	NN-SD681S	20 11/16" X 12 1/4" X 16 5/16"	STAINLESS STEEL

17 APPLIANCE SCHEDULE  
 SCALE: 1 1/2" = 1'-0"



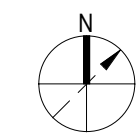
CT INNOVATIONS

CT INNOVATIONS - COLT BUILDING

120 Hushope Ave - 4th Floor Hartford, CT 06106

CONSULTANTS

KEY PLAN



PROJECT DATA

Table with project details including Project Number, Current Submission Date, Drawn, Checked, Scale, File Reference, History of Submissions, and Sheet Title.

FOR CONSTRUCTION

SHEET TITLE

SPECIFICATIONS

A8.00

SECTION 012300 SUBSTITUTION PROCEDURES (CONT'D)

2.1 SUBSTITUTIONS
A. Substitutions for Cause: Submit requests for substitution immediately on discovery of need for change, but not later than 15 days prior to time required for preparation and review of related submittals.

SECTION 012600 CONTRACT MODIFICATION PROCEDURES

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

SECTION 012100 ALLOWANCES

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

SECTION 012300 ALTERNATES

For each alternate included in the Contract, coordinate related work and modify surrounding work as required to complete the project in accordance with Contract Documents. The Owner may accept or reject any or all alternates.

SECTION 012500 SUBSTITUTION PROCEDURES

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

SECTION 013300 SUBMITTAL PROCEDURES (CONT'D)

1.5 SUBMITTAL ADMINISTRATIVE REQUIREMENTS
A. Approval of Submittals: Electronic digital data files of the Contract Drawings will be provided by Architect for Contractor's use (when requested) in preparing submittals.

SECTION 013300 SUBMITTAL PROCEDURES (CONT'D)

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

SECTION 007000 GENERAL CONDITIONS

1. Conform work to the Contract Documents which include the Owner/Contractor Agreement, the Drawings, and all Addenda and Modifications issued by the Architect.

SECTION 007300 SUPPLEMENTARY CONDITIONS

1. No substitutions of materials or products will be made without approval of the Architect. Accompany substitution request with complete technical data and list changes this substitution would cause, including time, cost, etc.

SECTION 01000 SUMMARY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

SECTION 01100 SUMMARY (CONT'D)

1. Workmanship shall be of the highest quality and shall be performed by experienced mechanics skilled in the applicable trade. Work shall be installed rigid, true, level, plumb, straight, and in alignment, fastened or anchored securely and durably.

SECTION 012100 ALLOWANCES

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

SECTION 012300 ALTERNATES

For each alternate included in the Contract, coordinate related work and modify surrounding work as required to complete the project in accordance with Contract Documents. The Owner may accept or reject any or all alternates.

SECTION 012500 SUBSTITUTION PROCEDURES

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

SECTION 013300 SUBMITTAL PROCEDURES (CONT'D)

1.5 SUBMITTAL ADMINISTRATIVE REQUIREMENTS
A. Approval of Submittals: Electronic digital data files of the Contract Drawings will be provided by Architect for Contractor's use (when requested) in preparing submittals.



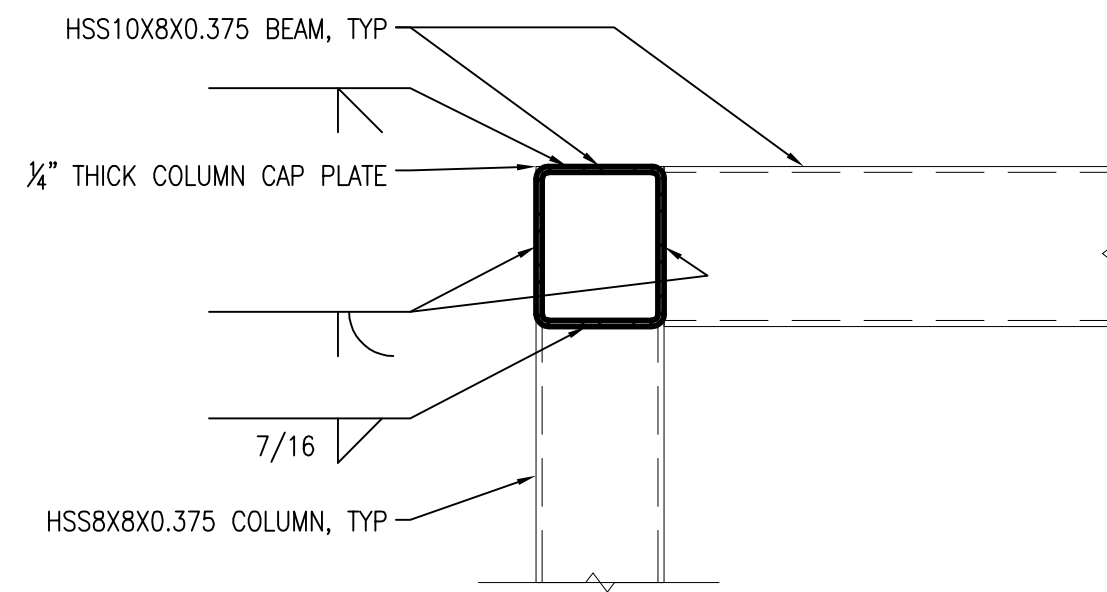




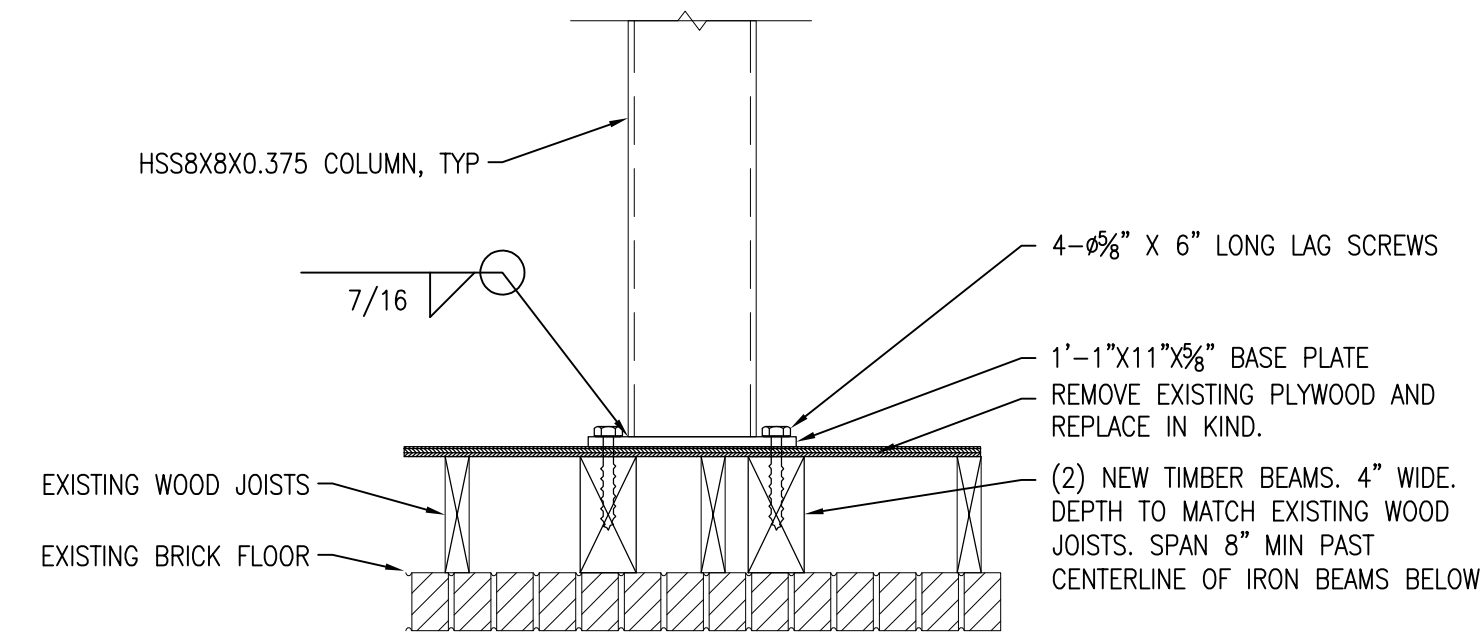








1 BEAM-COLUMN CONNECTION DETAIL  
Scale: 1" = 1'-0"



2 COLUMN BASE DETAIL  
Scale: 1" = 1'-0"

STRUCTURAL STEEL NOTES

- ALL DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO AISC 360-10 SPECIFICATIONS AND CODES. CONNECTIONS SHALL BE BOLTED OR WELDED UNLESS NOTED OTHERWISE. ALL CONNECTIONS SHALL BE DETAILED AND COMPLETED BY THE FABRICATOR IN ACCORDANCE WITH THE AISC SPECIFICATIONS AND CODES SHOWN IN THE REFERENCED STANDARDS SECTION OF THE GENERAL NOTES. ALL SHEAR, MOMENT, AND BRACING CONNECTIONS SHALL WITHSTAND ALLOWABLE REACTIONS, LOADS, AND MOMENTS INDICATED ON THE CONTRACT DOCUMENTS AND WITH ANY OTHER INFORMATION AND RESTRICTIONS INDICATED. A TABLE, KEY, OR OTHER LINKING INFORMATION SHALL BE PROVIDED TO CORRELATE ALL CONNECTION TYPES AND DETAILS WITH THEIR LOCATIONS IN THE SHOP AND ERECTION DRAWINGS.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
 

WIDE FLANGE SHAPES	ASTM A992
CHANNELS, ANGLES, AND PLATES	ASTM A36/A572 GR 50
HOLLOW STRUCTURAL SECTIONS (HSS) SQUARE AND ROUND	ASTM A500 GR B
HIGH STRENGTH BOLTS	ASTM A325 OR A490
ANCHOR BOLTS	ASTM F1554 GR 55
COLUMN BASE PLATES	A572 GR 50
- ALL STRUCTURAL STEEL CONNECTION BOLTS SHALL BE ASTM A325-N OR ASTM A490-N UNLESS NOTED OTHERWISE. ALL BOLTS IN RIGID (MOMENT) CONNECTIONS AND BRACE CONNECTIONS SHALL BE SLIP CRITICAL.
- THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT FOR REVIEW, CHECKED SHOP DRAWINGS SHOWING ALL FABRICATION DETAILS, FIELD ASSEMBLY DETAILS, AND ERECTION DRAWINGS FOR STRUCTURAL STEEL.
- ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS AND SHALL BE IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE - STEEL" OF THE AMERICAN WELDING SOCIETY. ALL WELDS SHALL BE MADE WITH SERIES E70XX ELECTRODES EXCEPT FOR METAL DECK PUDDLE WELDS WHICH MAY BE E60XX. MINIMUM FILLET WELD SIZE SHALL COMPLY WITH ALL AISC REQUIREMENTS BUT IN NO CASE SHALL THE WELD BE LESS THAN 1/4."
- THE STRUCTURAL STEEL CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE FRAME FOR WIND AND CONSTRUCTION LOADS.
- THE MINIMUM NUMBER OF BOLTS PER CONNECTION SHALL BE TWO (2).
- ALL BEAMS SHALL BE INSTALLED WITH THEIR NATURAL CAMBER UP, PROVIDE CAMBER AS INDICATED ON CONTRACT DRAWINGS. CAMBER INDICATED ON PLAN DRAWINGS IS THE REQUIRED CAMBER AT THE TIME OF ERECTION.
- AFTER FABRICATION ALL STEEL SHALL BE CLEANED OF ALL RUST, LOOSE MILL SCALE, AND OTHER FOREIGN MATERIALS.
- THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT.
- CONTRACTOR SHALL PROVIDE ACCESS FOR INSPECTION OF ALL SHOP AND FIELD CONNECTIONS FOR PROPER MATERIALS AND WORKMANSHIP.
- SEE ARCHITECTURAL DRAWINGS FOR PAINT AND FIREPROOFING REQUIREMENTS.

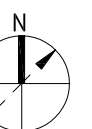
OWNER:

CT INNOVATIONS – COLT BUILDING  
120 Huyshope Ave - 4th Floor  
Hartford, CT 06106

CONSULTANTS

**Thornton Tomasetti**  
Thornton Tomasetti, Inc.  
10 North Main Street, Suite 307  
West Hartford, CT 06107-1901  
T 212.367.2750 F 212.497.2488

KEY PLAN



PROJECT DATA

PROJECT NUMBER	19039
CURRENT SUBMISSION DATE	10.08.2019
DRAWN	GF
CHECKED	EB
SCALE	
FILE REFERENCE	

HISTORY OF SUBMISSIONS

No.	Date	Description

PERMIT SET

SHEET TITLE

STRUCTURAL DETAILS

**FIRE PROTECTION LEGEND**

●	NEW CONCEALED PENDENT SPRINKLER HEAD
○	UPRIGHT SPRINKLER HEAD AT CEILING TO REMAIN

**FIRE PROTECTION GENERAL NOTES**

- ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH CURRENT APPLICABLE CODES, ORDINANCES, THE REGULATORY AGENCIES HAVING JURISDICTION AND THE SPECIFICATIONS. THE SPECIFICATIONS MAY EXCEED THE REQUIREMENTS OF THE CODE, IN WHICH CASE, THE SPECIFICATION MUST BE FOLLOWED.
- THE INTENT OF THESE DOCUMENTS IS FOR THE MEP TRADES TO FURNISH AND INSTALL COMPLETE MECHANICAL AND ELECTRICAL SYSTEMS. THE SPECIFIED FIRE PROTECTION SYSTEM SHALL BE COMPLETE IN ALL RESPECTS. OPERATIONAL, TESTED, ADJUSTED, APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR BENEFICIAL USE BY THE OWNER.
- THE TRADES SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID. INFORMATION IS PROVIDED ON THE VARIOUS DRAWINGS, SCHEDULES, SPECIFICATIONS AND ALL OF THE VARIOUS DOCUMENTS IN THE BIDDING PACKAGE. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND FORM A TOTAL PROJECT DESIGN AND INFORMATION SOURCE FOR CONSTRUCTION PURPOSES.
- THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. COORDINATE LOCATIONS OF EQUIPMENT WITH OTHER TRADES BEFORE AND DURING CONSTRUCTION. ANY MODIFICATION TO THE EQUIPMENT LAYOUT, REQUIRED FOR INSTALLATION, IS TO BE PERFORMED UNDER THE CONTRACT AGREEMENT, AT NO ADDITIONAL COST. REFER TO DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT DOCUMENTS OF ALL TRADES. THE DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT AND PIPING. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF EQUIPMENT AND PIPING INSTALLATION WITH ALL THE TRADES BEFORE COMMENCING WORK.
- EQUIPMENT SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS, WHEN EQUIPMENT MUST BE LOCATED ABOVE AN INACCESSIBLE CEILING (GYP BOARD OR EQUIVALENT), OR BEHIND A WALL, AN APPROPRIATE ACCESS DOOR SHALL BE PROVIDED. ACCESS DOORS FOR FIRE RATED WALLS AND CEILINGS SHALL BE FURNISHED WITH A MINIMUM 1-1/2 HOUR LABEL "B" UL LISTED RATING OR GREATER AS REQUIRE BY THE ASSEMBLY RATING. THE CONTRACTOR SHALL COORDINATE LOCATIONS OF ACCESS PANELS FOR ALL VALVES AND DEVICES, REQUIRING ACCESS, WITH THE ARCHITECT, PRIOR TO INSTALLATION OF SUCH DEVICES OR OTHER APPURTENANCES.
- WHERE A CONFLICT OCCURS BETWEEN THE DOCUMENTS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. CARRY AS PART OF THE BID THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
- THIS CONTRACT SHALL INCLUDE ALL THE NECESSARY PIPING, FITTINGS, TRANSITIONS ETC. AS REQUIRED TO INSTALL PIPING AND EQUIPMENT, AND TO AVOID ANY CONFLICTS WITH OTHER TRADES AND THE BUILDING STRUCTURE. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS, OMISSIONS OR ERRORS HE MAKES AS A RESULT OF HIS FAILURE TO COORDINATE WITH OTHER TRADES OR BECOME FULLY FAMILIAR WITH THE PROJECT DOCUMENTS OF ALL TRADES.
- DO NOT INSTALL ANY PIPING OVER ELECTRICAL PANELS, TRANSFORMERS, SPECIAL EQUIPMENT, OR THROUGH ELECTRICAL ROOMS, DATA ROOMS, ELEVATOR MACHINE ROOM, STAIRWELL OR STAIRWELL WALLS THAT ARE NOT ASSOCIATED WITH OR SERVE THE RESPECTIVE ROOMS. COORDINATE THE LOCATION OF ELECTRICAL EQUIPMENT IN THE FIELD AND ADJUST AS NECESSARY.
- IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW INDIVIDUAL BRANCH PIPING TO EACH AND EVERY SPRINKLER HEAD. ONLY THE SPRINKLER OR STANDPIPE MAIN ROUTING IS INDICATED TO AIDE IN COORDINATION WITH ALL TRADES. THE ENTIRE FIRE SUPPRESSION SYSTEM SHALL BE FULLY OPERATIONAL AND READY FOR BENEFICIAL USE BEFORE THE JOB IS CONSIDERED COMPLETE.
- REFER TO THE LATEST ARCHITECTURAL PLANS FOR CEILING CONSTRUCTION, ELEVATIONS, SECTIONS, DETAILS, LOCATIONS OF SOFFITS, CEILING POCKETS, STEPPED CEILING, SKYLIGHT, ETC. PROVIDE ADDITIONAL PIPING AND SPRINKLER HEADS AS THE CONDITIONS WARRANT.
- WHERE SPRINKLER HEADS ARE SHOWN ON CONTRACT DOCUMENTS, THEY ARE INDICATED FOR GENERAL COORDINATION PURPOSES ONLY AND DO NOT RELIEVE THE CONTRACTOR FROM FULL COMPLIANCE WITH APPLICABLE CODES AND GOOD INSTALLATION PRACTICE. THE CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL SPRINKLERS AS NECESSARY DUE TO OBSTRUCTION FOR A COMPLETE SPRINKLER SYSTEM PER NFPA #13.
- SPRINKLER HEAD LOCATIONS SHALL BE COORDINATED WITH THE LATEST ARCHITECTURAL REFLECTED CEILING PLANS, LIGHT FIXTURES, DIFFUSERS, SPEAKERS, SMOKE DETECTORS, MECHANICAL AND ELECTRICAL EQUIPMENT. INSTALL SPRINKLER HEADS BENEATH DUCTS AND CEILING MOUNTED EQUIPMENT MORE THAN 4 FEET WIDE. FULL SPRINKLER COVERAGE TO ACCOUNT FOR OBSTRUCTIONS IS THE RESPONSIBILITY OF THE INSTALLING PROFESSIONAL.
- SPRINKLER HEADS SHALL NOT BE INSTALLED DIRECTLY FROM THE BOTTOM OF HORIZONTAL SPRINKLER MAINS OR BRANCH LINES. ALL CONNECTIONS TO SPRINKLER HEADS SHALL BE MADE FROM THE TOP OR SIDES OF THE MAIN OR BRANCH LINES.
- BRANCH PIPING TO SPRINKLER HEADS SHALL BE A MINIMUM OF 1" DIA. WITH FULL SIZE REDUCING TEE OR LARGER. INSTALLATION OF REDUCING TEES LESS THAN 1" DIA. WILL NOT BE ALLOWED. INSTALLATION OF NIPPLES LESS THEN 1" DIA. WILL NOT BE PERMITTED.
- PROVIDE LISTED GUARDS WHERE SPRINKLER HEADS ARE SUBJECT TO DAMAGE OR INJURY (GYMNASIUM, STAGE, MECHANICAL ROOMS, STORAGE ROOMS, UTILITY ROOMS, ETC.) OR ARE LOCATED BELOW 7'-6" ABOVE FINISHED FLOOR.
- INSTALL ALL PIPING WITH PROVISION FOR COMPLETE DRAINAGE. WET-PIPE SPRINKLER SYSTEM MAY BE INSTALLED LEVEL AND WITHOUT SLOPE.
- COORDINATE LOCATIONS OF FIRE DEPARTMENT CONNECTIONS AND FIRE PROTECTION SERVICE CONTROL VALVES, INSPECTOR TEST DRAINS VALVES WITH THE AUTHORITY HAVING JURISDICTION (FIRE MARSHAL) PRIOR TO INSTALLATION. INSTALL INSPECTOR TEST VALVES AT MAXIMUM 7'-0" ABOVE FINISHED FLOOR OR AS DIRECTED BY THE AHJ.
- ALL EQUIPMENT MAIN DRAINS AND INSPECTOR TEST DRAINS SHALL BE PIPED TO THE EXTERIOR OF THE BUILDING. PROVIDE CONCRETE SPLASH BLOCKS AT EACH DRAIN LOCATION TO AVOID SOIL EROSION OR OTHER DAMAGE.
- COORDINATE ALL FIRE PROTECTION EQUIPMENT REQUIRING POWER AND/OR CONNECTION TO THE FIRE ALARM SYSTEM WITH THE ELECTRICAL CONTRACTOR.
- FLOOR MOUNTED FIRE PROTECTION EQUIPMENT SHALL BE INSTALLED ON A 6" CONCRETE HOUSE-KEEPING PAD. COORDINATE SIZE AND FINAL LOCATION OF ALL CONCRETE PADS WITH THE STRUCTURAL ENGINEER. PADS SHALL BE MINIMUM 6" LARGER THAN THE EQUIPMENT IN BOTH HORIZONTAL DIRECTIONS.
- COORDINATE EXACT LOCATION OF FIRE PROTECTION SERVICE ENTERING THE BUILDING WITH THE SITE CONTRACTOR AND UTILITY DRAWINGS PRIOR TO INSTALLATION. COORDINATE ALL FOUNDATION WALL PENETRATIONS AND INVERT ELEVATIONS WITH THE GENERAL CONTRACTOR AND/OR CONSTRUCTION MANAGER BEFORE COMMENCING WORK.
- ALL FIRE PROTECTION PIPING SHALL HAVE SEISMIC BRACING IN ACCORDANCE WITH THE STATE BUILDING CODE, NFPA 13 AND THE AUTHORITY HAVING JURISDICTION, AND/OR AS SPECIFIED. SUBMIT ENGINEERED INSTALLATION DETAILS AND CALCULATIONS PER THE SPECIFICATIONS. THE CONTRACTOR'S SEISMIC ENGINEER SHALL REVIEW THE INSTALLATION AND PROVIDE A DETAILED REPORT FOR THE RECORD.

OWNER:

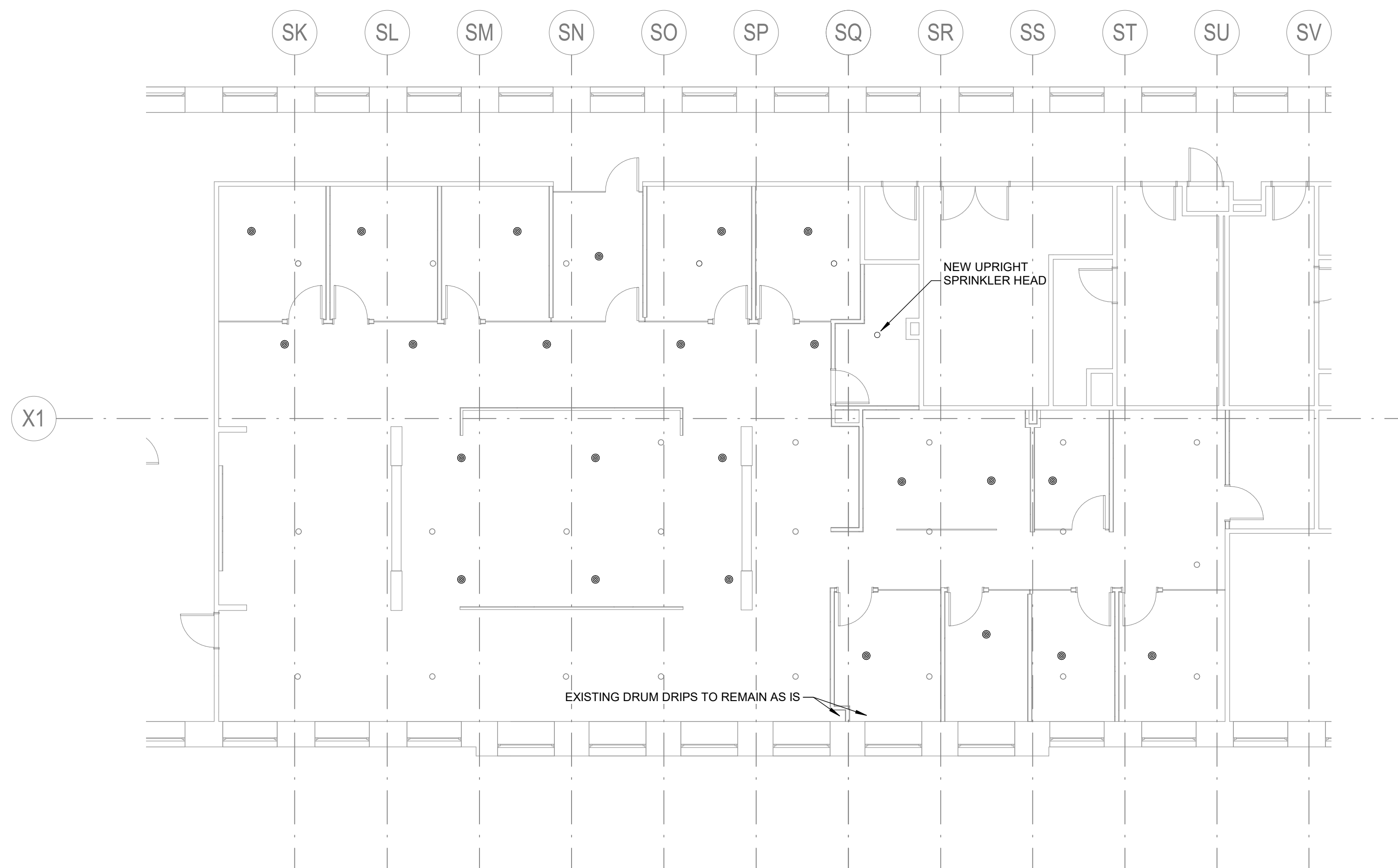
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Hartford, CT 06106

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KEY PLAN



1 FIRE PROTECTION PLAN  
1/8" = 1'-0"

**PROJECT DATA**

PROJECT NUMBER	19039
CURRENT SUBMISSION DATE	12/13/19
DRAWN	DMR
CHECKED	GFL
SCALE	

**HISTORY OF SUBMISSIONS**

No.	Date	Description

Bid Set

SHEET TITLE

FOURTH FLOOR FIRE PROTECTION PLAN

FP1.01.



ABBREVIATIONS

Table with two columns: Abbreviation (e.g., A, AA/MP, AC) and Description (e.g., GENERAL SERVICE COMPRESSED AIR, AMPERE, AIR COMPRESSOR).

ABBREVIATIONS

Table with two columns: Abbreviation (e.g., HWRP, HWS, HX) and Description (e.g., HOT WATER RETURN PUMP, HOT WATER SUPPLY, HEAT EXCHANGE).

PLUMBING SYMBOLS

Table showing plumbing symbols (e.g., W, ---, ---, ---) and their corresponding descriptions (e.g., WATER SERVICE, COLD WATER, HOT WATER).

FITTINGS AND VALVES

Table showing fittings and valves symbols (e.g., ●, →, ⊞) and their descriptions (e.g., BALL VALVE, DIRECTION OF FLUID FLOW, GATE VALVE).

PLUMBING GENERAL NOTES

- 1. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH CURRENT APPLICABLE CODES, ORDINANCES, THE REGULATORY AGENCIES HAVING JURISDICTION AND THE SPECIFICATIONS. THE SPECIFICATIONS MAY EXCEED THE REQUIREMENTS OF THE CODE, IN WHICH CASE, THE SPECIFICATION MUST BE FOLLOWED.
2. THE INTENT OF THESE DOCUMENTS IS FOR THE MEP TRADES TO FURNISH AND INSTALL COMPLETE MECHANICAL AND ELECTRICAL SYSTEMS...
3. THE TRADES SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID...
4. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT...
5. THE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT DOCUMENTS OF ALL TRADES...
6. EQUIPMENT SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS, WHEN EQUIPMENT MUST BE LOCATED ABOVE AN INACCESSIBLE CEILING (GYP BOARD OR EQUIVALENT), OR BEHIND A WALL...
7. WHERE A CONFLICT OCCURS BETWEEN THE DOCUMENTS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT...
8. THIS CONTRACT SHALL INCLUDE ALL THE NECESSARY PIPING, FITTINGS, TRANSITIONS, OFFSETS, ETC. AS REQUIRED TO INSTALL PIPING...
9. DO NOT INSTALL ANY PIPING OVER ELECTRICAL PANELS, TRANSFORMERS, SPECIAL EQUIPMENT, OR THROUGH ELECTRICAL ROOMS...
10. IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW INDIVIDUAL BRANCH PIPING TO EACH PLUMBING FIXTURE...
11. PROVIDE PROPER PIPING SYSTEM IDENTIFICATION LABELS, SLOPES FOR DRAIN PIPING, CLEANOUTS, HANGERS, ETC. IN ACCORDANCE WITH THE PLUMBING CODE.
12. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES OR EQUIPMENT...
13. INSTALL WATER HAMMER ARRESTORS (WHA) AT ALL QUICK CLOSING VALVES (FLUSH VALVES, SOLENOID VALVES, ETC.)...
14. ALL PIPING, DRAINS, STRAINERS, FAUCETS, FAUCET AERATORS, FILTERS, ETC. SHALL BE THOROUGHLY CLEANED AND FLUSHED IMMEDIATELY BEFORE PROJECT COMPLETION...
15. DOMESTIC WATER DROPS AND RISERS INSTALLED IN EXTERIOR WALLS SHALL BE INSTALLED ON THE WARM SIDE OF INSULATION...
16. BEFORE INSTALLATION, COORDINATE THE WORK WITH OWNER-FURNISHED EQUIPMENT, INCLUDING REQUIRED SERVICE CONNECTIONS...
17. PIPE ALL CONDENSATE DRAINS FROM MECHANICAL EQUIPMENT COOLING COILS, BY GRAVITY (INTERIOR AIR HANDLING UNITS, FAN COIL UNITS, AC UNITS, ETC.) TO FLOOR DRAINS...
18. INSULATE ALL WASTE ABOVE SLAB RECEIVING CONDENSATE FROM EQUIPMENT INCLUDING "P" TRAPS AND BRANCH WASTE PIPING.
19. ALL INDIRECT WASTE DRAINS SHALL BE PIPED TO FLOOR DRAINS, FUNNELS OR FIXED AIR GAP FITTINGS...
20. INSTALL TRAP PRIMERS OR TRAP GUARD SEALER FOR FLOOR DRAINS, HUB DRAINS AND FIXED AIR GAP FITTINGS...
21. COORDINATE ALL PLUMBING EQUIPMENT REQUIRING POWER, FOR EXACT LOCATION AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
22. ALL EXTERIOR EXPOSED GAS PIPING SHALL BE PRIMED AND PAINTED.
23. FLOOR MOUNTED PLUMBING EQUIPMENT SHALL BE INSTALLED ON A 6" CONCRETE HOUSE-KEEPING PAD...
24. COORDINATE EXACT LOCATION OF PLUMBING SERVICES ENTERING THE BUILDING WITH THE SITE CONTRACTOR AND UTILITY DRAWINGS...
25. SEISMICALLY SUPPORT THE EQUIPMENT AS REQUIRED BY CODE, THE AUTHORITY HAVING JURISDICTION, AND/OR AS SPECIFIED...
26. PROVIDE PIPE EXPANSION COMPENSATION FOR THE VARIOUS PIPING SYSTEMS...

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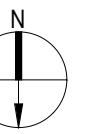
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KEY PLAN



PROJECT DATA

Table with two columns: Field Name (e.g., PROJECT NUMBER, CURRENT SUBMISSION DATE) and Value (e.g., 19039, 12/13/19).

HISTORY OF SUBMISSIONS

Table with three columns: No., Date, and Description. Includes rows for current and previous versions.

Bid Set

SHEET TITLE

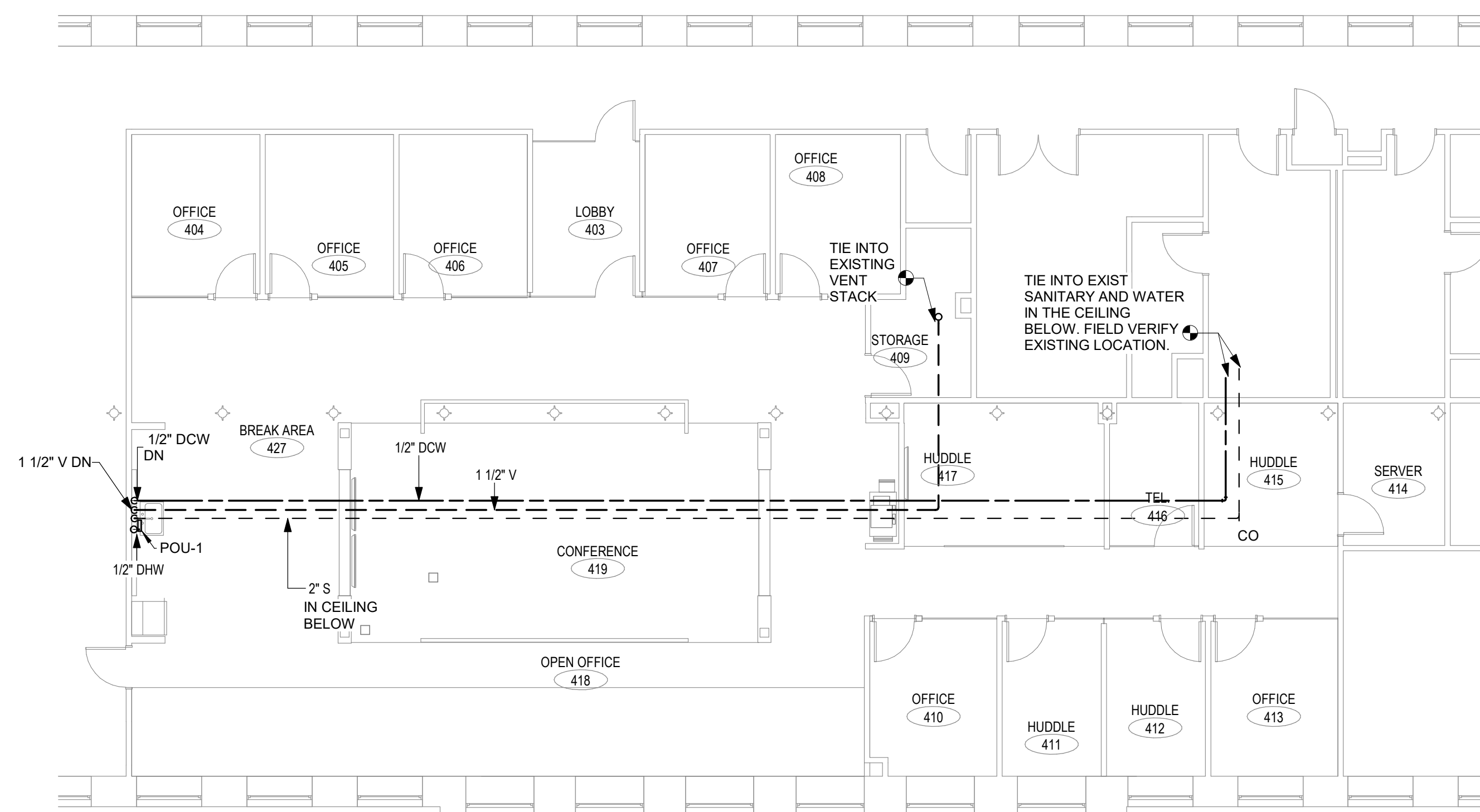
PLUMBING ABBREVIATIONS, GENERAL NOTES AND SYMBOL LIST



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 750 OLD MAIN STREET SUITE 202  
 ROCKY HILL, CT 06067  
 P: (860) 436-4336  
 F: (860) 436-4450  
 www.rzdesignassociates.com

KEY PLAN



**1 PLUMBING FOURTH FLOOR PLAN**  
 1/8" = 1'-0"



**PROJECT DATA**

PROJECT NUMBER	19039
CURRENT SUBMISSION DATE	12/13/19
DRAWN	FSM
CHECKED	RHR
SCALE	

**HISTORY OF SUBMISSIONS**

No.	Date	Description

PLUMBING FIXTURE SCHEDULE									
<b>GENERAL NOTES:</b>									
PIPE SIZES SHOWN ARE FOR SUPPLY AND DRAINAGE ONLY. PROVIDE SUPPLIES WITH SCREWDRIVER STOPS, WALL ESCUTCHEON, 17-GAUGE SEMI-CAST "P" TRAPS WITH CLEANOUT PLUG, PLUMBING FIXTURE SUPPORTS AND NECESSARY FITTINGS TO MAKE FINAL CONNECTION. REFER TO SPECIFICATION FOR EQUIVALENTS. NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF PLUMBING FIXTURES, CLEARANCE BELOW SINKS AND LAVATORIES AND OFFSET DRAIN LOCATIONS. OFFSET DRAINS SHALL BE OFFSET LEFT REAR OR OFFSET RIGHT REAR.									
TYPE	FIXTURE	ACCESSIBILITY	MANUFACTURER	MODEL	COLD	HOT	SAN	VENT	REMARKS
SK-1	SINK		KOHLER	VAULT 25"X22"X6" UNDER-MOUNT	1/2"	1/2"	2"	1 1/2"	PROVIDE KOHLER FAUCET MODEL K-596 MATTE BLACK FINISH. COORDINATE MOUNTING WITH ARCHITECT.

POINT OF USE WATER HEATER SCHEDULE								
ID	MANUFACTURER	MODEL NO.	WATER SIDE PIPE DIAMETER		ELECTRICAL DATA			REMARKS
			INLET	OUTLET	AMPS	VOLT	PH	
POU-1	EEMAX	EX3012	1/2"	1/2"	25	120V	1	LOCATED IN CABINET

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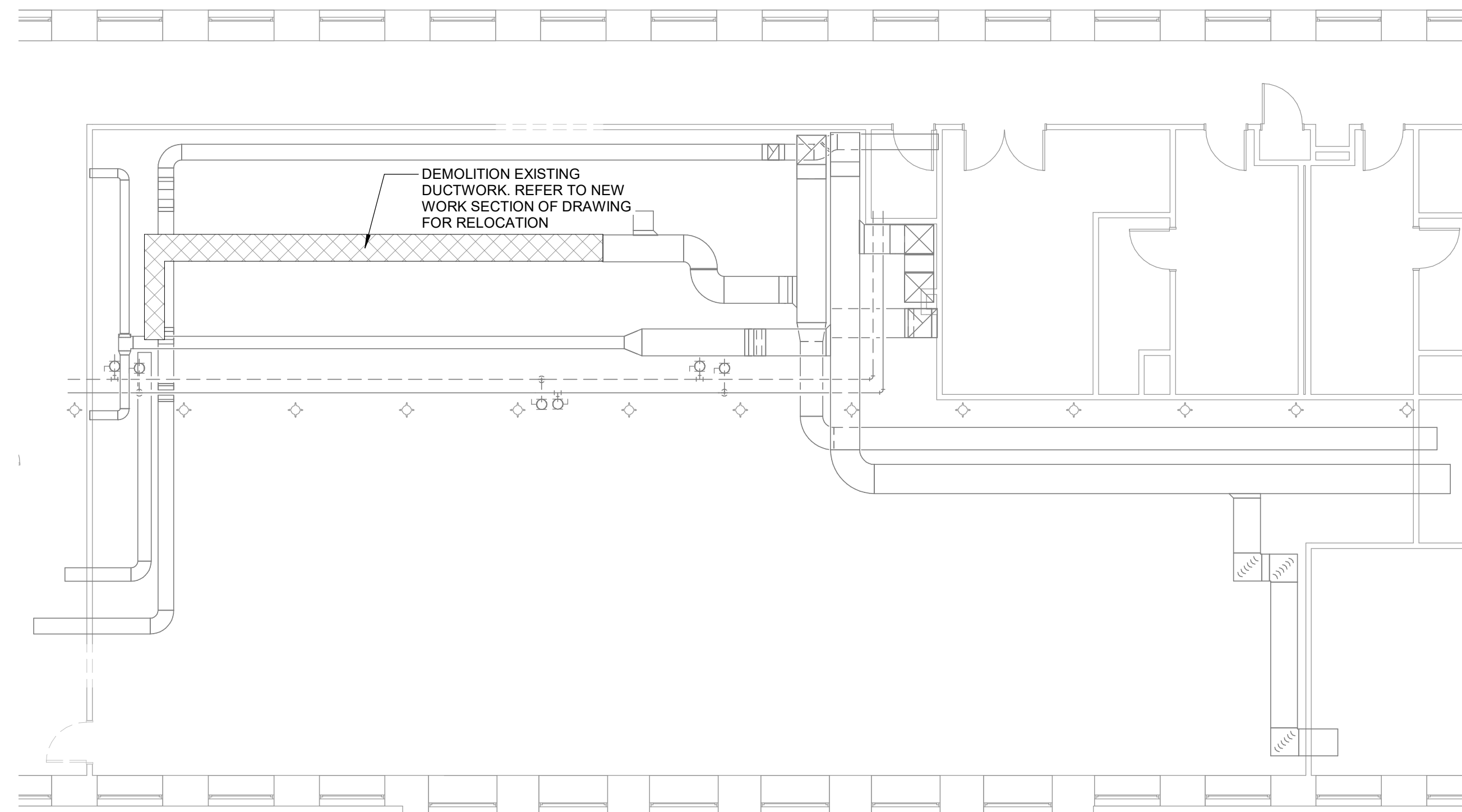
SHEET TITLE

FOURTH FLOOR PLUMBING PLAN

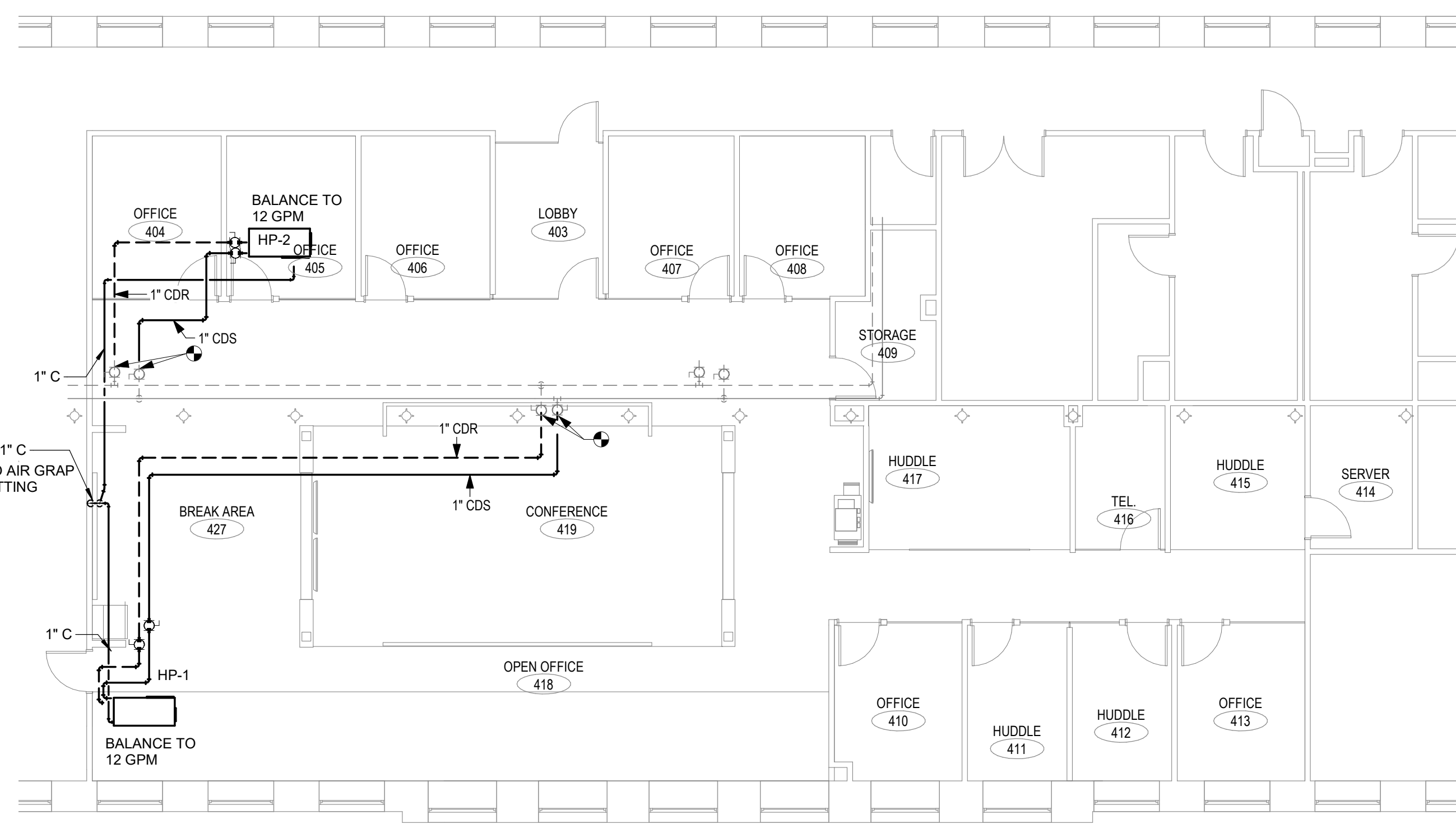




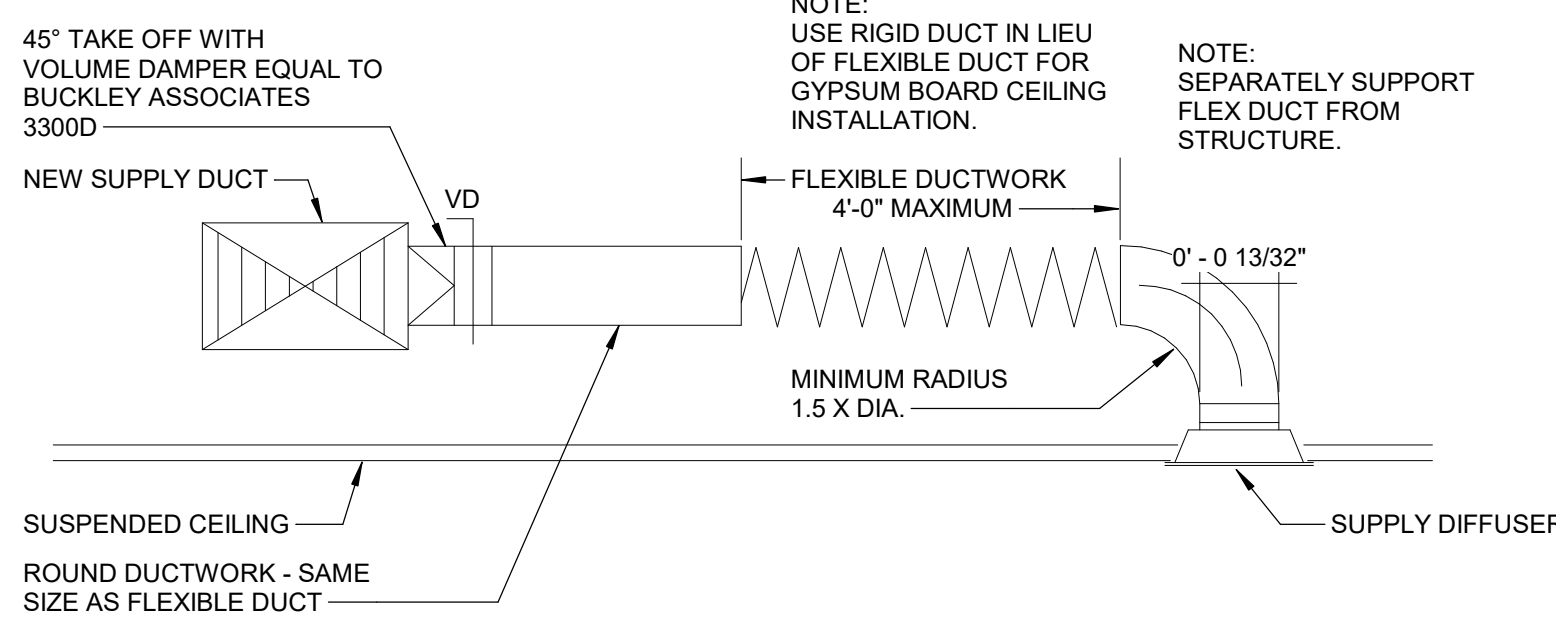




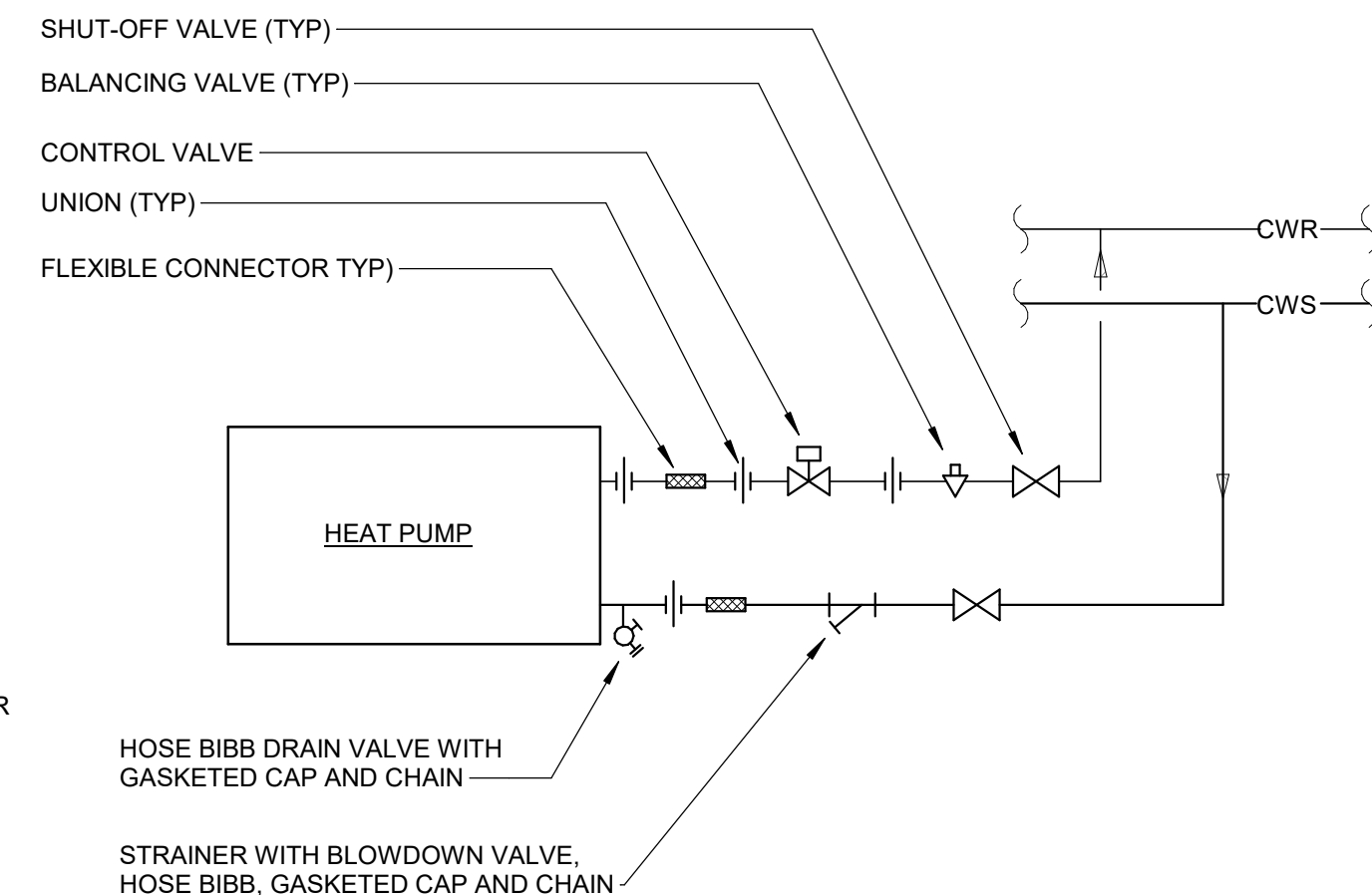
2 MECHANICAL DUCT FOURTH FLOOR DEMOLITION PLAN  
1/8" = 1'-0"



3 MECHANICAL PIPE FOURTH FLOOR PLAN  
1/8" = 1'-0"



5 TYPICAL CEILING MOUNTED SUPPLY DIFFUSER DETAIL  
NTS



6 WATER SOURCE HEAT PUMP DETAIL (WATER TO AIR)  
NTS

**GRILLES, DIFFUSERS AND REGISTERS SCHEDULE**  
(BASED ON KRUEGER)

SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND CONSTRUCTION. SIZE AND CFM INDICATED ON MECHANICAL DRAWINGS

A - MODEL SHPCR, 4-WAY THROW (UNLESS SHOWN OTHERWISE), 24X24 MODULE SIZE, LAY-IN BORDER, STEEL CONSTRUCTION, WHITE FINISH.

A1- MODEL PTBS, 2 SLOT, SLOT WIDTH 1 1/2", 48" LONG, INSULATION PLENUM, 12" RD PLENUM INLET, END CAPS AND T-BARS.

B- MODEL SHPC, 4-WAY THROW (UNLESS SHOWN OTHERWISE), SURFACE MOUNT FRAME, STEEL CONSTRUCTION, OPPOSED BLADE DAMPER, WHITE FINISH.

C - MODEL 5DMGDR DOUBLE DEFLECTION, SURFACE MOUNTED FRAME, STEEL CONSTRUCTION, DAMPER / EXTRACTOR, WHITE FINISH.

D - MODEL 800 DOUBLE DEFLECTION, SURFACE MOUNTED FRAME, STEEL CONSTRUCTION, DAMPER / EXTRACTOR, WHITE FINISH.

E - MODEL S-80 RETURN GRILLE, 0" FIXED LOUVERS, 3/4" BLADE SPACING, SURFACE MOUNTED, STEEL CONSTRUCTION, WHITE FINISH.

CEILING SUPPLY DIFFUSER TYPE A		CEILING SUPPLY DIFFUSER TYPE B		CEILING SUPPLY DIFFUSER TYPE C		CEILING RETURN/EXHAUST DIFFUSER D		FLEXIBLE DUCT SIZE	
CFM	NECK SIZE	NECK SIZE	NECK SIZE	NECK SIZE	NECK SIZE	CFM	NECK SIZE	CFM	NECK SIZE
0 - 100	6 X 6	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	0 - 45	4"Ø		
101 - 225	9 X 9					50 - 70	5"Ø		
226 - 400	12 X 12					71 - 100	6"Ø		
401 - 625	15 X 15					101 - 150	8"Ø		
626 - 900	18 X 18					151 - 225	9"Ø		
						226 - 275	10"Ø		
						276 - 400	12"Ø		
						401 - 500	14"Ø		
						501 - 700	16"Ø		
						701 - 900	18"Ø		
						901 - 1100	20"Ø		
						1101 - 1300	22"Ø		

**AIR HANDLING UNIT SCHEDULE**

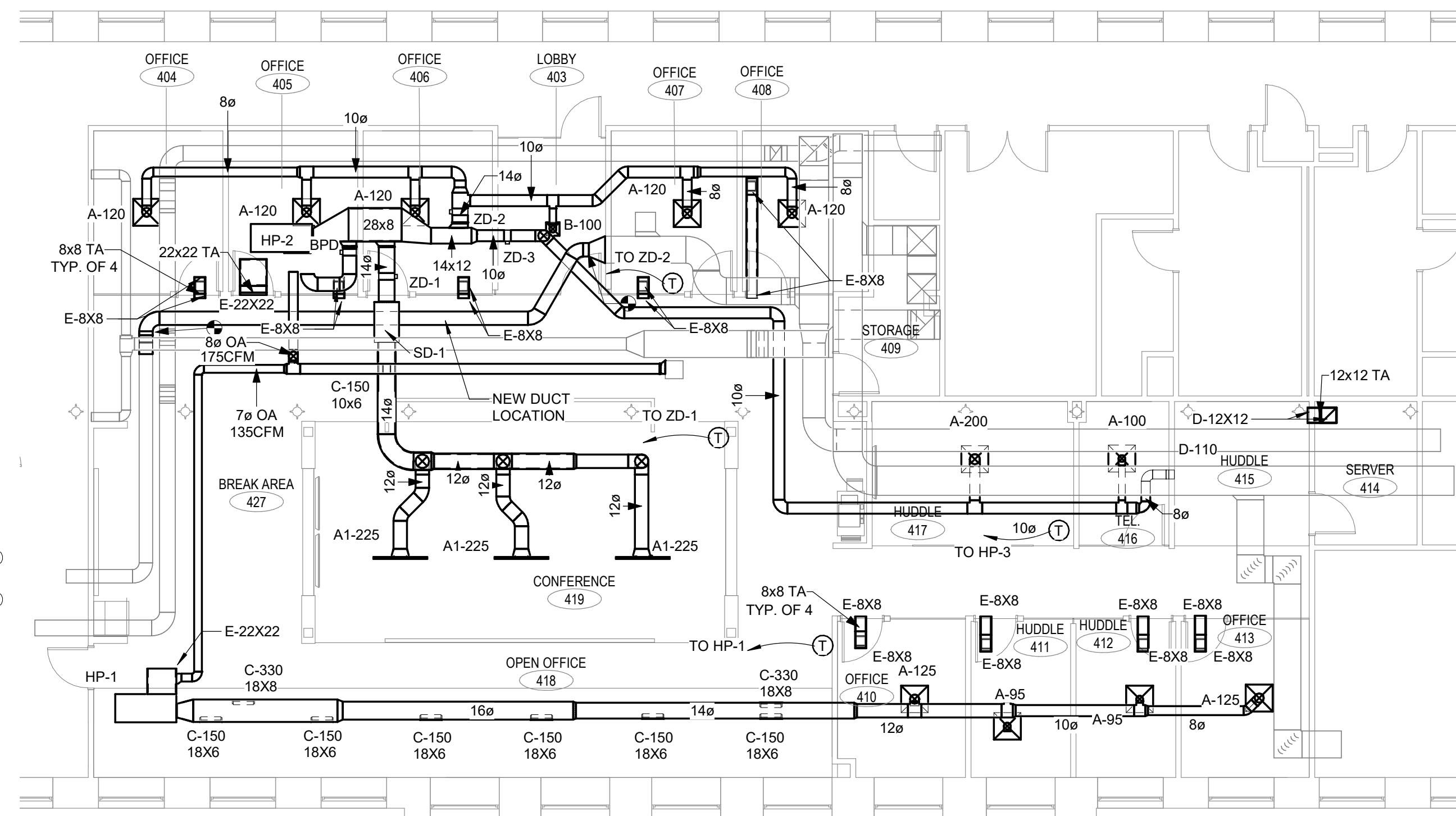
TAG	MANUFACTURER	MODEL NO.	OUTSIDE AIRFLOW		FANS SUPPLY			ELECTRICAL DATA				REMARKS
			MIN (CFM)	FLOW (CFM)	ESP (in-wg)	POWER (hp)	MCA	MOCP	VOLT	PH		
HP-1	BOSCH	LVO60-3HZC	132	2000	1.2	.75	25	40	208	3		LANDLORD SUPPLIED, LOCATED IN FIRST FLOOR VACANT SPACE.
HP-2	BOSCH	LVO60-3HZC	175	2000	1.2	.75	25	40	208	3		LANDLORD SUPPLIED, LOCATED IN FIRST FLOOR VACANT SPACE.

**CONSTANT VOLUME ZONE DAMPER SCHEDULE**

TAG	MANUFACTURER	MODEL NO.	SIZE	REMARKS
ZD-1	RUSKIN	ZDR25	14" RND	PROVIDE THERMOSTAT MODEL Z200RT AND 3-WIRE FLOATING POINT 24 VAC ACTUATOR.
ZD-2	RUSKIN	ZDR25	14" RND	PROVIDE ALL OTHER REQUIRED COMPONENTS TO MAKE A COMPLETE WORKING SYSTEM
ZD-3	RUSKIN	ZDR25	10" RND	
BPD	RUSKIN	ZBBD25	12" RND	

**DUCT SOUND ATTENUATOR SCHEDULE**

TAG	MANUFACTURER	MODEL NO.	TYPE	SYSTEM	AIRFLOW (CFM)	MAX PD (in-wg)	OVERALL SIZE			INSERTION LOSS OCTAVE BAND FREQUENCIES (Hz)								SERVES
							L	W	H	63	125	250	500	1000	2000	4000	8000	
SA-1	VIBRO-ACOUSTICS	CD-LV-F2	CIRCULAR-DISSIPATIVE	SUPPLY	825	0.09	36	14 ID	22 OD	5	21	39	53	60	60	46	CONFERENCE ROOM	



1 MECHANICAL DUCT FOURTH FLOOR PLAN  
1/8" = 1'-0"

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750 OLD MAIN STREET SUITE 202  
ROCKY HILL, CT 06067  
P: (860) 436-4336  
F: (860) 436-4450  
www.rzdesignassociates.com

KEY PLAN

N

**PROJECT DATA**  
PROJECT NUMBER: 19039  
CURRENT SUBMISSION DATE: 12/13/19  
DRAWN: FSM  
CHECKED: RHR  
SCALE:

**HISTORY OF SUBMISSIONS**

No.	Date	Description

**Bid Set**

**SHEET TITLE**

**FOURTH FLOOR MECHANICAL DUCT AND PIPING PLAN**

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**LIGHTING FIXTURE NOTES**

1. TYPE 'EM' EMERGENCY FIXTURES AND TYPE 'X' EXIT SIGNS SHALL BE WIRED TO LINE SIDE OF AREA LIGHTING CIRCUIT TO SENSE LOSS OF NORMAL POWER AND PROVIDE CONTINUOUS TRICKLE CHARGE, AND SHALL OPERATE AT A MINIMUM OF 1 1/2 HOURS UPON LOSS OF NORMAL POWER. SEE SCHEDULE.
  2. DIRECTIONAL CHEVRONS SHALL CONFORM TO NFPA 5-10.4.1.2 AND SHALL BE IDENTIFIABLE AS A DIRECTIONAL INDICATOR AT A MINIMUM OF 40 FT. UNDER ALL SPACE CONDITIONS. SEE DETAIL BELOW.
- 

**EXIT SIGN DIRECTIONAL INDICATOR**
3. ALL FIXTURES TO BE LED WITH 0-10V DRIVERS STANDARD. ALL FIXTURES TO BE COLOR TEMPERATURE 3500°K.
  4. PROVIDE ERICO FASTENING PRODUCTS (CADDY) CAT. No. 515 OR 515A LIGHT FIXTURE SUPPORT CLIPS ON ALL RECESSED LIGHT FIXTURES. PROVIDE MINIMUM FOUR (4) PER FIXTURE.
  5. IN ADDITION TO THE REQUIREMENTS OF THE IBC AND THE NEC, ALL RECESSED LIGHT FIXTURES SHALL BE PROVIDED WITH SUPPORT WIRES AT A MINIMUM OF FOUR (4) PER FIXTURE AND LOCATED NOT MORE THAN SIX (6") INCHES FROM EACH CORNER, EXTENDED AND ATTACHED TO THE BUILDING STRUCTURE. HANGER WIRES SHALL BE GALVANIZED CARBON STEEL, ASTM A641, SOFT TEMPER, PRE-STRETCHED WITH A YIELD STRESS LOAD OF AT LEAST THREE (3) TIMES DESIGN LOAD BUT NOT LESS THAN #2 GAUGE (0.106"). FOR ROUND FIXTURES OR FIXTURES SMALLER THAN THE CEILING GRID, PROVIDE A MINIMUM OF FOUR (4) WIRES PER FIXTURE AND LOCATE AT EACH CORNER OF THE CEILING GRID IN WHICH THE FIXTURE IS TO BE LOCATED. ADDITIONALLY, WHERE FIXTURES OF SIZES LESS THAN THE CEILING GRID ARE INDICATED TO BE CENTERED IN THE ACOUSTICAL PANEL, SUCH FIXTURES SHALL BE SUPPORTED WITH A MINIMUM OF TWO (2) 3/4" METAL CHANNELS SPANNING AND SECURED TO THE CEILING TEES.
  6. VERIFY ALL LIGHT FIXTURE FINISHES WITH ARCHITECT PRIOR TO PURCHASE.
  7. VERIFY ALL LIGHT FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO INSTALLATION.

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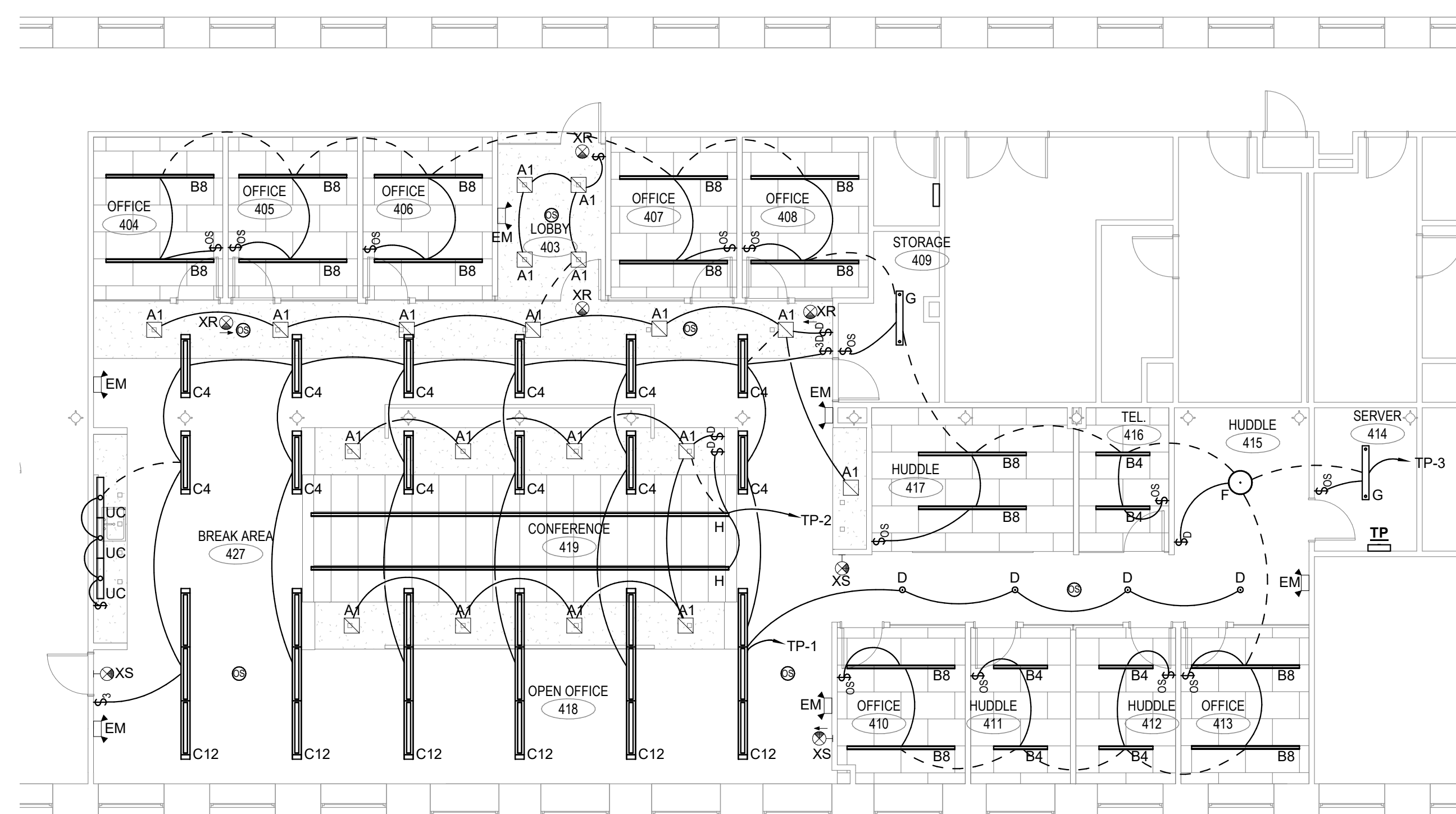
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KEY PLAN

LIGHTING FIXTURE SCHEDULE							
TYPE	MANUFACTURER	MODEL	LAMPS			VOLTAGE	REMARKS
			LUMENS	WATTAGE	LUMENS/WATT		
A1	USAI	Z3SDL C 14M2 35KS 40 S WH NC1 UNV D6F	950 lm	14 W	68 lm/W	120 V	
B4	LUX ILLUMINAIRE	EOS2.0-R-G9-500-4-35K-8-1-UNV-S1-W	2000 lm	19 W	105 lm/W	120 V	
B8	LUX ILLUMINAIRE	EOS2.0-R-G9-500-8-35K-8-1-UNV-S1-W	4000 lm	38 W	105 lm/W	120 V	
C4	PEERLESS	EGRM4L LLP 4FT MSL4 80CRI 35K I1000LMF 300LMF MIN1 ZT 120 SCT NS SNS F2/72A C041 SLP	4888 lm	41 W	121 lm/W	120 V	COORDINATE MOUNTING HEIGHT WITH ARCHITECT
C12	PEERLESS	EGRM4L LLP 12FT MSL4 80CRI 35K I1000LMF 300LMF MIN1 ZT 120 SCT NS SNS F2/72A C041 SLP	14665 lm	121 W	121 lm/W	120 V	COORDINATE MOUNTING HEIGHT WITH ARCHITECT
D	USAI	BLSD5 16C3 35KS 50 S WH PJ2 UNV D6F PMB P2 36 WH	1475 lm	16 W	92 lm/W	120 V	COORDINATE STEM LENGTH WITH ARCHITECT
EM	LITHONIA	ELM2L	440 lm	5 W	88 lm/W	120 V	
F	BUZZISHADE	Pendant LED Globe Medium	1500 lm	19 W	79 lm/W	120 V	COORDINATE ALL FINISHES AND MOUNTING HEIGHT WITH ARCHITECT
G	LITHONIA	ZL1F L48 SMR 4500 MDD MVOLT 35K 80CRI WH	4500 lm	39 W	115 lm/W	120 V	COORDINATE MOUNTING HEIGHT WITH ARCHITECT
H	VODE	707-Z2 SL 31FT ZZ ?? 0 RP AE 1.0 Z SO 35 S3 0 WH 0	24552 lm	205 W	120 lm/W	120 V	COORDINATE MOUNTING CLIP REQUIRED WITH ARCHITECT
UC	MP LIGHTING	L109S-AXW35HW-MA	270 lm	6 W	45 lm/W	120 V	REFER TO ARCHITECTURAL DRAWINGS AND DETAILS FOR EXACT LENGTHS, QUANTITIES, AND MOUNTING. PROVIDE NON DIMMABLE TLDDL100W4100 (DC) DRIVER. COORDINATE DRIVER LOCATION IN FIELD.
XR	LITHONIA	EDGR 1 R EL		5 W		120 V	RECESSED SINGLE FACE EDGE LIT EXIT SIGN. CHEVRONS AS SHOWN ON PLANS.
XS	LITHONIA	EDG 1 R EL		5 W		120 V	SURFACE MOUNT (TOP, END, OR BACK) SINGLE FACE EDE LIT EXIT SIGN. CHEVRONS AS SHOWN ON PLANS.



PROJECT DATA

PROJECT NUMBER 19039  
CURRENT SUBMISSION DATE 12/13/19  
DRAWN JJZ  
CHECKED BJZ  
SCALE AS INDICATED

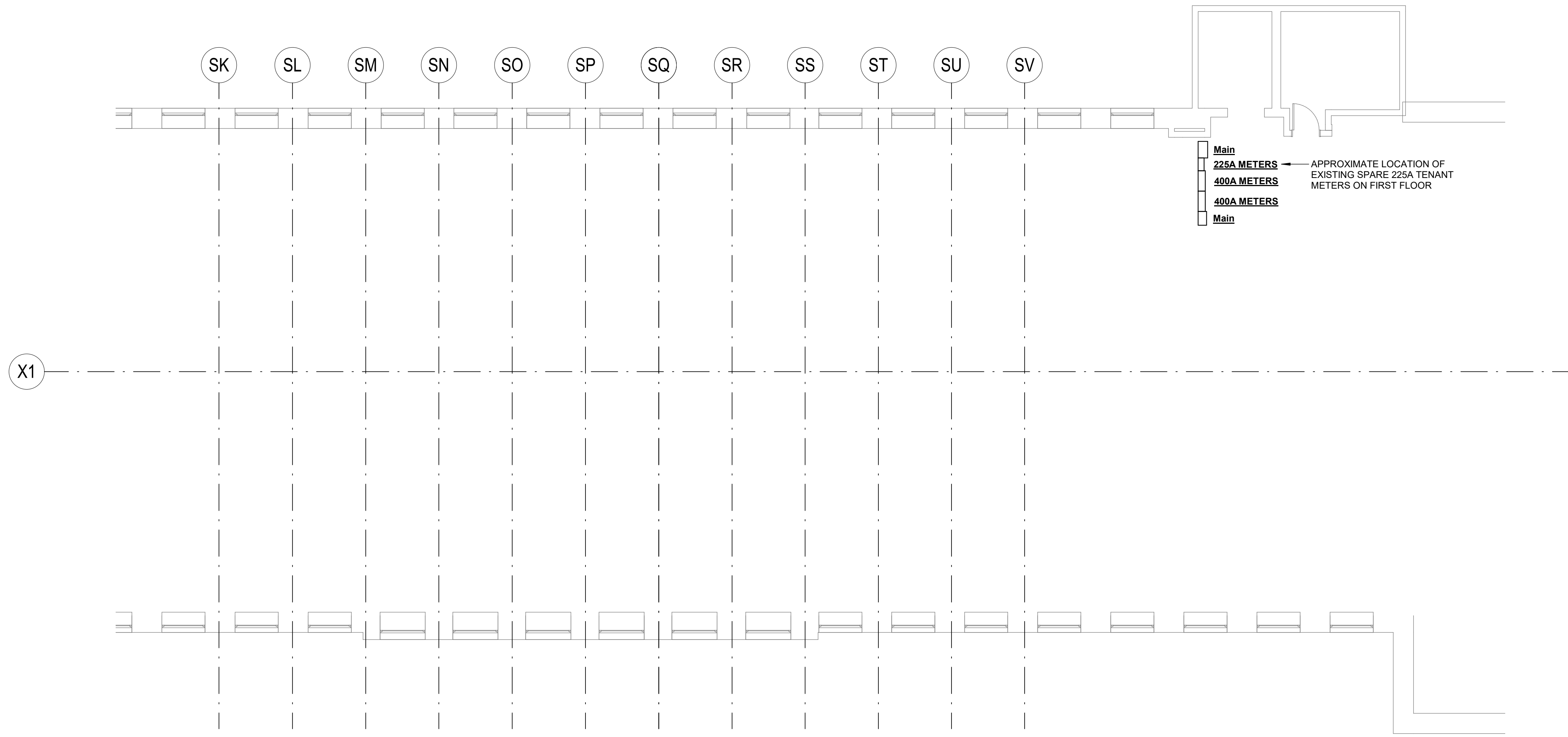
HISTORY OF SUBMISSIONS

No.	Date	Description

Bid Set

SHEET TITLE

FOURTH FLOOR LIGHTING PLAN



2 ELECTRICAL POWER FIRST FLOOR PLAN  
1/8" = 1'-0"

MECHANICAL EQUIPMENT COORDINATION SCHEDULE																				
TAG	EQUIPMENT INFORMATION					CIRCUIT INFORMATION				CONTROL			STARTER			DISCONNECT				REMARKS
	FLA	MCA	MOC	VOLT	PH	PANEL	NO.	APPARENT LOAD	LOAD CLASSIFICATION	TYPE	FURNISH	INSTALL	TYPE	FURNISH	INSTALL	TYPE	FURNISH	INSTALL		
HP-1	21.1 A	26.4 A	40 A	208 V	3	TP	26,28,30	7602 VA	HEAT	T	DIV. 23	DIV. 23	SPP	MANUF.	MANUF.	FS	DIV. 26	DIV. 26		
HP-2	21.1 A	26.4 A	40 A	208 V	3	TP	27,29,31	7602 VA	HEAT	T	DIV. 23	DIV. 23	SPP	MANUF.	MANUF.	FS	DIV. 26	DIV. 26		

STARTER TYPES	
TYPE	DESCRIPTION
SPP	MANUF - SINGLE POINT POWER

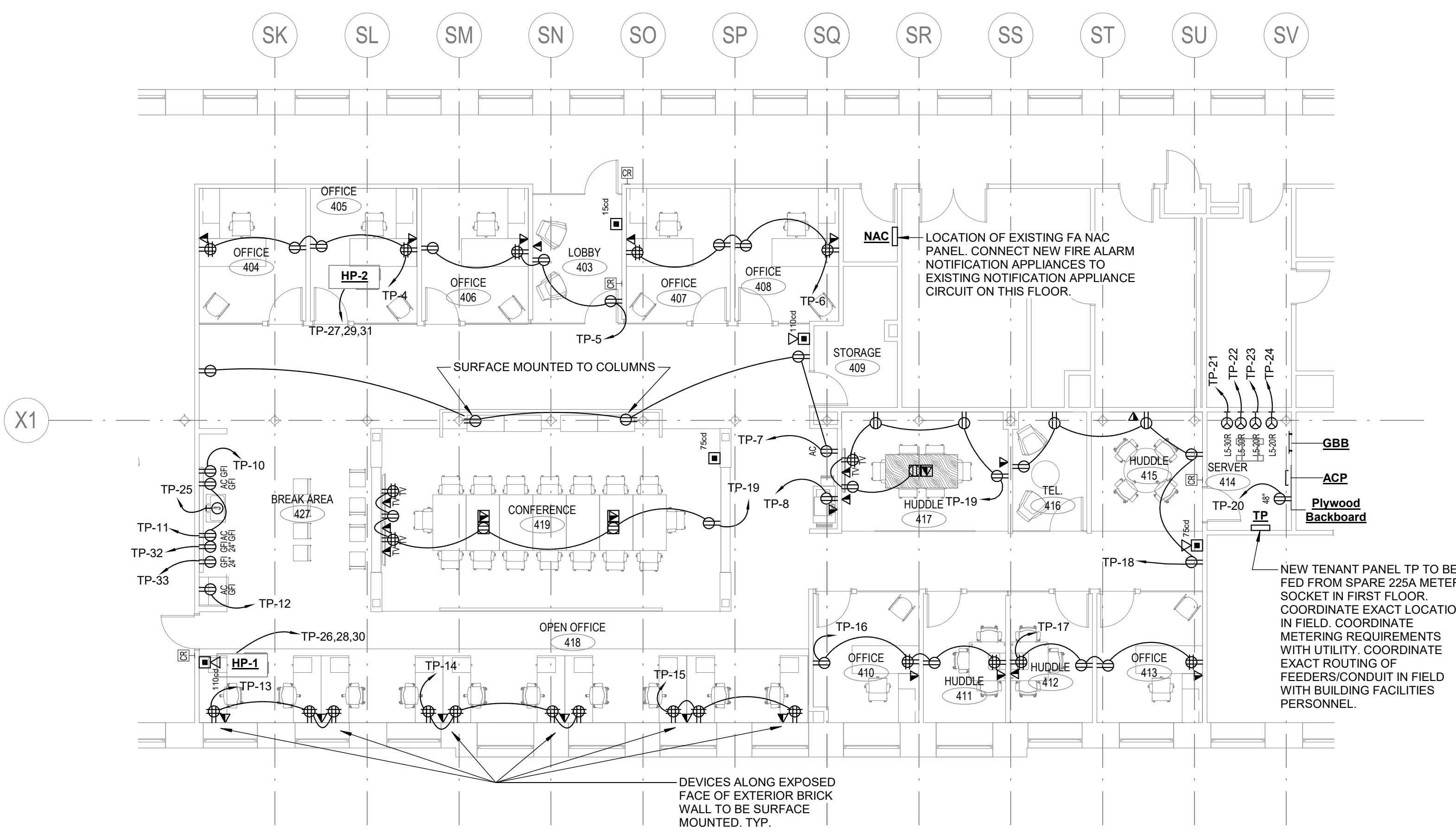
DISCONNECT TYPES	
TYPE	DESCRIPTION
FS	DIV. 26 - FUSED SWITCH

CONTROL TYPES	
TYPE	DESCRIPTION
T	DIV. 23 - THERMOSTAT

OWNER:  
CT INNOVATIONS - COLT BUILDING  
120 Huyshope Ave - 4th Floor  
Hartford, CT 06106

CONSULTANTS  
**RZ Design Associates, Inc.**  
MECHANICAL, ELECTRICAL, AND STRUCTURAL ENGINEERING  
750 OLD MAIN STREET SUITE 202  
ROCKY HILL, CT 06067  
P: (860) 436-4336  
F: (860) 436-4450  
www.rzdesignassociates.com

KEY PLAN



1 ELECTRICAL POWER FOURTH FLOOR PLAN  
1/8" = 1'-0"

**Branch Panel: TP**  
Location: SERVER 414  
Supply From: MOUNTING: SURFACE ENCLOSURE: NEMA 1  
Volts: 120/208 Wye  
Phases: 3  
Wires: 4  
A.I.C. Rating: 10,000 AMPS SYMMETRICAL  
Mains Type: MCB  
Mains Rating: 225 A  
MCB Rating: 225 A

CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	General Lighting	20 A	1	1.4	0.5			1	20 A		Conference Room Lighting	2
3	Office Lighting	20 A	1			1.1	1.1		1	20 A	Office Recepts	4
5	Office Recepts	20 A	1				0.9	1.1	1	20 A	Office Recepts	6
7	General Recepts	20 A	1	0.9	1.2				1	20 A	Copier	8
9	Conference Recepts	20 A	1			1.1	1.2		1	20 A	Dishwasher	10
11	Kitchenette Recepts	20 A	1				0.4	1.2	1	20 A	Refrigerator	12
13	Open Office Recepts	20 A	1	1.1	1.4				1	20 A	Open Office Recepts	14
15	Open Office Recepts	20 A	1			1.1	1.1		1	20 A	Office Recepts	16
17	Office Recepts	20 A	1				1.1	0.9	1	20 A	Huddle/Tel Recepts	18
19	Huddle Recepts	20 A	1	1.1	0.2				1	20 A	Security Recept	20
21	Server Recept	30 A	1			2.9	2.9		1	30 A	Server Recept	22
23	Server Recept	20 A	1				1.9	1.9	1	20 A	Server Recept	24
25	Point of Use Water Heater	35 A	1	3.0	2.5				3	40 A	HP-1	26
27						2.5	2.5					28
29	HP-2	40 A	3				2.5	2.5				30
31						2.5	1.2		1	20 A	Microwave	32
33	Microwave	20 A	1				1.2					34
35												36
37												38
39												40
41												42
					<b>Total Load:</b>	17.1 kVA	18.6 kVA	14.4 kVA				
					<b>Total Amps:</b>	146.1 A	158.5 A	120.2 A				

**Legend:**  
Blank = Standard, AFI = Arc Fault Circuit Interrupter, GFI = Ground Fault Circuit Interrupter, EPD = Equipment Protection Device, ST = Shunt Trip Circuit Breaker, HACR = Heating, Air Conditioning, Refrigeration Circuit Breaker

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
RCPT	14520 VA	84.44%	12260 VA	Total Conn. Load: 50149 VA
LITES	3026 VA	125.00%	3783 VA	
SPEC	12600 VA	100.00%	12600 VA	Total Est. Demand: 47686 VA
KTCH	4800 VA	80.00%	3840 VA	Total Conn.: 139.2 A
HEAT	15203 VA	100.00%	15203 VA	Total Est. Demand: 132.4 A

Notes:

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FOURTH FLOOR POWER PLAN