

# LEOK OFFICE RENOVATION

209 SE DOUGLAS  
LEE'S SUMMIT, MO 64063

## PERMIT SET

JULY 17, 2023

COLLINS WEBB #: 23033



### OWNER

LEIGH + O'KANE  
250 NE MULBERRY | SUITE 201  
LEE'S SUMMIT, MO 64086  
P: 816.444.3144

### ARCHITECT

COLLINS | WEBB ARCHITECTURE  
13A SW 3RD STREET  
LEE'S SUMMIT, MISSOURI 64063  
P: 816.249.2270  
www.collinsandwebb.com

### STRUCTURAL ENGINEER

LEIGH + O'KANE  
250 NE MULBERRY | SUITE 201  
LEE'S SUMMIT, MO 64086  
P: 816.444.3144

### MEP ENGINEER

GIBBINS DRAKE SCOTT, INC.  
9201 E 63RD ST  
RAYTOWN, MO 64133  
P: 816.358.1790



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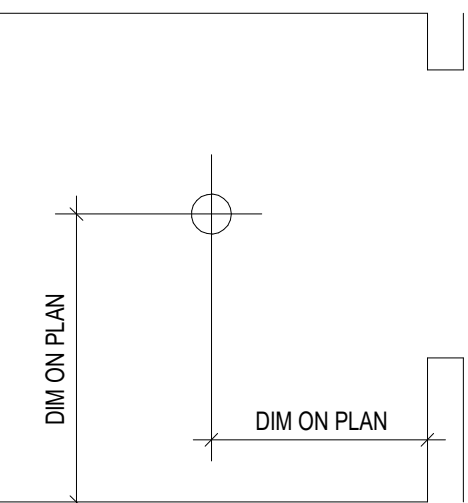
TYPICAL RULES FOR DETERMINING REFLECTED CEILING PLAN LOCATIONS, DIMENSIONS, AND CONFIGURATIONS

GENERAL NOTES

- A. THE A-SERIES DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND LOCATION OF ALL EXPOSED ELEMENTS. THE A-SERIES DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND LOCATION OF ALL PARTS OF THE WORK.
- EXCEPTION:** DIMENSIONED LOCATIONS SHOWN ON DRAWINGS OF OTHER DISCIPLINES SHALL GOVERN ONLY WHERE:
- SPECIFICALLY AND INDIVIDUALLY INDICATED BY SYMBOL, KEYED NOTE, OR NOTATION ON THE ARCHITECTURAL DRAWINGS.
  - OCCURRING WITHIN A ROOM OR OTHER IDENTIFIABLE SPACE FOR WHICH ARCH SHEET OR SCHEDULE NOTES INDICATE THAT DIMENSIONS PROVIDED ELSEWHERE SHALL GOVERN.
- B. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE TYPICAL RULES WHICH GOVERN THE LOCATION, CONFIGURATION IN RELATIONSHIP TO OTHER ELEMENTS OF THE WORK, AND FINISHED ALIGNMENT OF ALL ITEMS OCCURRING ON REFLECTED CEILING PLANS OF THE PROJECT.
- C. THE A-SERIES FLOOR PLANS, REFLECTED CEILING PLANS, SECTIONS, ELEVATIONS, AND DETAILS ILLUSTRATE THE DIMENSIONED LOCATION OF MANY - BUT NOT ALL - EXPOSED PARTS OF THE WORK. APPLY THE RULES ON THIS SHEET - **IN ORDER** - TO DETERMINE THE LOCATION OF EXPOSED PART OF THE WORK.
- WHEN UNIQUELY AND SPECIFICALLY DIMENSIONED ON THE A-SERIES PLANS, SECTIONS, OR ELEVATIONS (OR COMBINATION THEREOF), LOCATE AS DIMENSIONED.
  - IF NOT SHOWN, OR IF SHOWN BUT NOT DIMENSIONED, BY THE A-SERIES PLANS OR ELEVATIONS, LOCATE AS INDICATED BY THE APPLICABLE RULE.
- D. REFER TO THE "ARCHITECTURAL GENERAL NOTES" FOR ADDITIONAL NOTES WHICH MAY BE APPLICABLE TO THE WORK SHOWN ON THIS SHEET.
- E. FOR MANY SPACES, THE ARCHITECTURAL REFLECTED CEILING PLANS ESTABLISH AN IDEAL PATTERN FOR LOCATING SPRINKLER HEADS. IN SPACES WHERE HEADS ARE SHOWN, FOLLOW PATTERN ESTABLISHED BY THE DRAWINGS. WHERE ADDL. HEADS ARE REQUIRED TO CONFORM WITH CODE, PROVIDE HEADS IN GENERAL CONFORMITY WITH PATTERN ESTABLISHED BY THE DRAWINGS.
- F. IN SPACES WHERE SPRINKLER HEADS ARE NOT SHOWN BY THE ARCHITECTURAL REFLECTED CEILING PLANS, PROVIDE HEADS AS REQUIRED BY CODE.

RULE 1

WHEN COMPLETELY DIMENSIONED ON REFLECTED CEILING PLAN

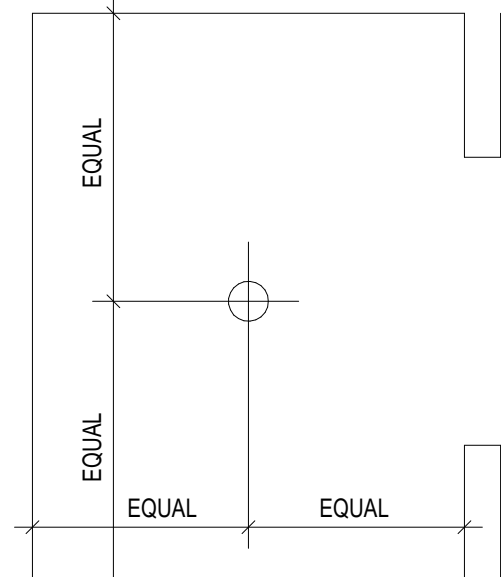


LOCATE ITEMS AS INDICATED WHEN SHOWN DIMENSIONED BY A REFLECTED CEILING PLAN, ENLARGED REFLECTED CEILING PLAN, OR DETAIL.

SPECIFIC DIMENSIONS SHOWN BY REFLECTED CEILING PLANS, ELEVATIONS, OR DETAILS TAKE PRECEDENCE OVER TYPICAL LOCATION RULES.

RULE 2

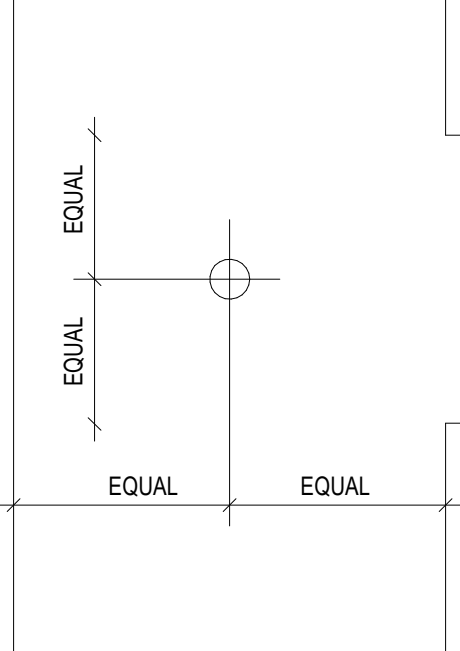
WHEN NOT DIMENSIONED BUT SHOWN CENTERED



LOCATE ITEMS CENTERED IN SPACE (OR CEILING PLANE) WHEN SHOWN (BUT NOT DIMENSIONED) VISUALLY AT APPROXIMATE CENTER OF SPACE.

RULE 3

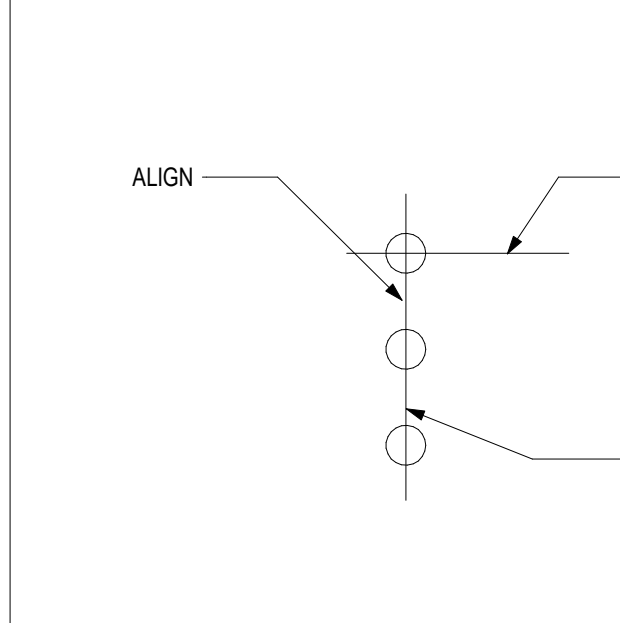
WHEN OFF-CENTER IN SPACE BUT CENTERED ON ADJACENT FEATURE



LOCATE ITEMS CENTERED ON ADJACENT OPENING OR FEATURE WHEN SHOWN (BUT NOT DIMENSIONED) OFF-CENTER IN OVERALL SPACE BUT CENTERED AGAINST ADJACENT FEATURE.

RULE 4

WHEN ALIGNED WITH OTHER FEATURES



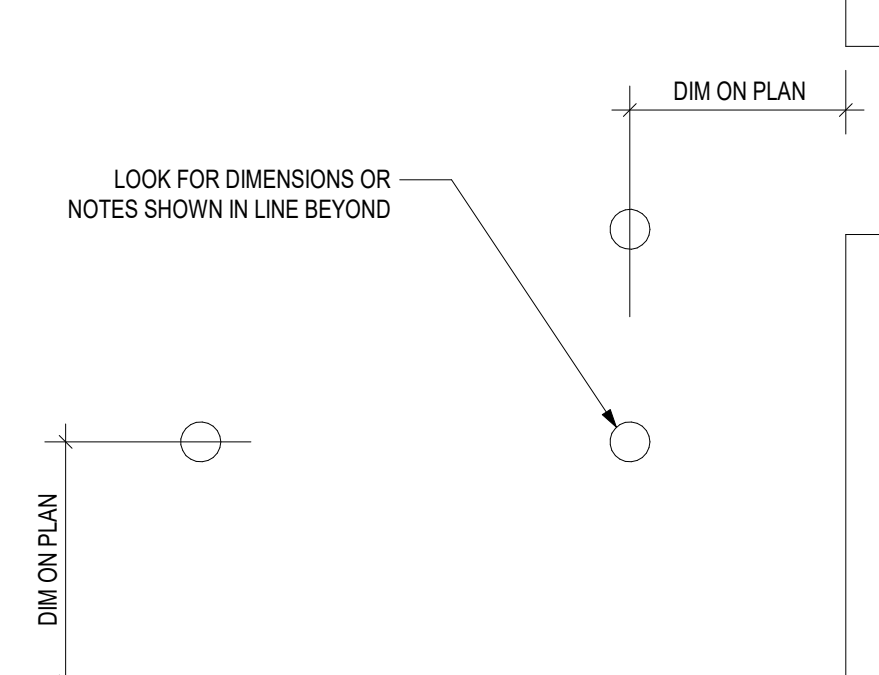
LOCATION (IN THIS DIRECTION) OF ONE ITEM IN LINE IS ESTABLISHED BY DIMENSION OR OTHER RULE (RULE NO 3 SHOWN).

ACTUAL LINE OF ALIGNMENT DETERMINED BY SELECTING ONE ITEM AS BENCHMARK. OTHER ITEMS ARE LOCATED TO ALIGN WITH BENCHMARK ITEM. SPACE EQUALLY.

LOCATE ITEMS (LIGHT FIXTURES, SPRINKLER HEADS, DEVICES, ETC.) ALIGNED WITH ADJACENT ITEMS FOR WHICH DIMENSIONS OR RULES ARE PROVIDED. VISUAL ALIGNMENT IS CRITICAL. THE CONTRACTOR SHALL SELECT ONE ITEM IN EACH LINE (ON BASIS OF TOLERANCES, SEQUENCE OF CONSTRUCTION, TRADE, OR OTHER CRITERIA) TO SERVE AS THE BENCHMARK FOR EACH ALIGNMENT.

RULE 5

ALIGN WITH FEATURES SHOWN DIMENSIONED ELSEWHERE IN SPACE

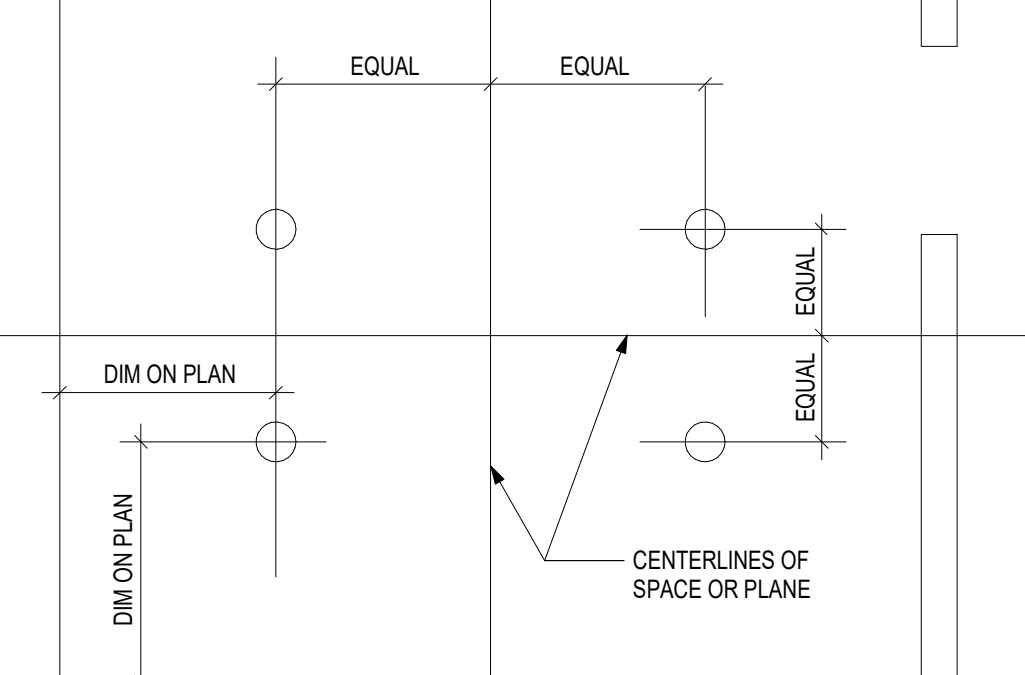


LOOK FOR DIMENSIONS OR NOTES SHOWN IN LINE BEYOND

LOCATE ITEMS ALIGNED WITH OTHER ITEMS SHOWN DIMENSIONED ELSEWHERE IN SPACE (OR CEILING PLANE).

RULE 6

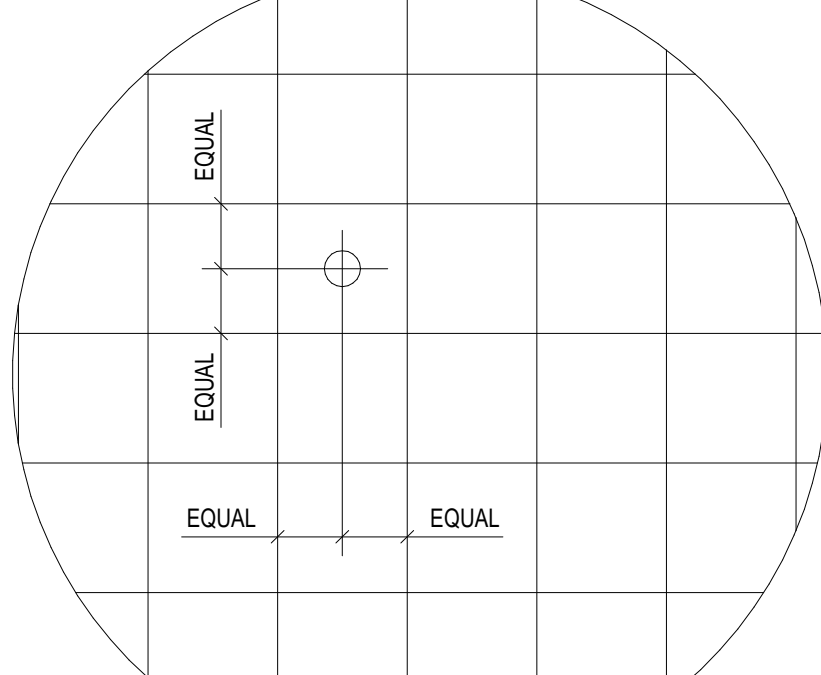
LOCATE FEATURES SYMMETRICALLY



LOCATE ITEMS ALIGNED WITH OTHER ITEMS SHOWN DIMENSIONED ELSEWHERE IN SPACE (OR CEILING PLANE).

RULE 7

WHEN NOT DIMENSIONED BUT OCCURS ON A SQUARE GRID-TYPE CEILING

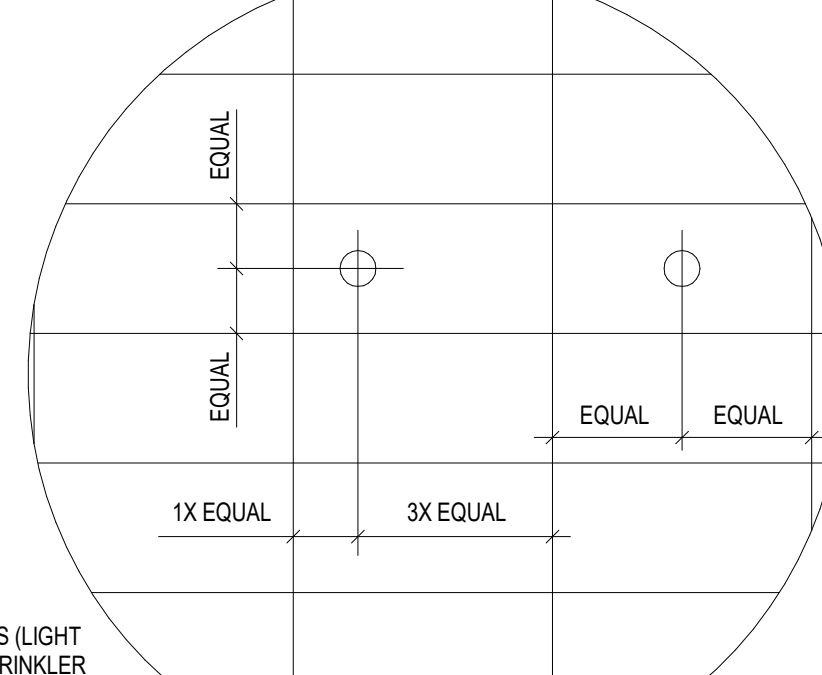


LOCATE ITEMS (LIGHT FIXTURES, SPRINKLER HEADS, DEVICES, ETC.) AT CENTER OF SHORT DIRECTION OF RECTANGULAR PANEL. LOCATE AT 1/4, 1/2, OR 3/4 POINT OF LONG DIRECTION OF RECTANGULAR PANEL.

LOCATE SPRINKLER HEADS WITHIN 3" DIAMETER OF IDEAL POINT DIMENSIONED (OR SHOWN BY RULE) ON REFLECTED CEILING PLAN.

RULE 8

WHEN NOT DIMENSIONED BUT OCCURS ON A RECTANGULAR GRID-TYPE CEILING



LOCATE ITEMS (LIGHT FIXTURES, SPRINKLER HEADS, DEVICES, ETC.) AT CENTER OF SHORT DIRECTION OF RECTANGULAR PANEL. LOCATE AT 1/4, 1/2, OR 3/4 POINT OF LONG DIRECTION OF RECTANGULAR PANEL.

LOCATE SPRINKLER HEADS WITHIN 3" DIAMETER OF IDEAL POINT DIMENSIONED (OR SHOWN BY RULE) ON REFLECTED CEILING PLAN.

GENERAL

SHEET NUMBER	SHEET NAME	ISSUE DATE	REVISION DATE
GS	COVER SHEET	07.17.23	
G000	SHEET INDEX / GENERAL INFORMATION	07.17.23	08.08.2023
G001	GENERAL INFORMATION	07.17.23	
G002	ACCESSIBILITY GUIDELINES	07.17.23	
G003	LIFE SAFETY PLANS AND PROJECT INFO.	07.17.23	08.08.2023
G501	SPECIFICATIONS	07.17.23	
G502	SPECIFICATIONS	07.17.23	

STRUCTURAL

SHEET NUMBER	SHEET NAME	ISSUE DATE	REVISION DATE
S01	ROOF PLAN / DETAILS	07.14.23	08.08.2023

ARCHITECTURAL

SHEET NO.	SHEET NAME	ISSUE DATE	REVISION DATE
A101	PLAN & RCP	07.17.23	08.08.2023
A201	EXTERIOR ELEVATIONS & WALL SECTIONS	07.17.23	
A501	DOOR SCHEDULE, FINISH LEGEND & FINISH SCHEDULE	07.17.23	08.08.2023
A712	INTERIOR ELEVATIONS	07.17.23	08.08.2023
A713	INTERIOR ELEVATIONS & DETAILS	07.17.23	08.08.2023

MEP

SHEET NUMBER	SHEET NAME	ISSUE DATE	REVISION DATE
M000	MECHANICAL LEGEND AND SCHEDULES	07.17.23	
M001	MECHANICAL DETAILS	07.17.23	
M101	MECHANICAL PLAN	07.17.23	08.08.2023
M600	MECHANICAL SPECIFICATIONS	07.17.23	
P000	PLUMBING LEGEND AND SCHEDULES	07.17.23	08.08.2023
P001	PLUMBING DETAILS	07.17.23	
P002	PLUMBING DETAILS	07.17.23	
P003	PLUMBING RISER DIAGRAMS	07.17.23	
P101	PLUMBING PLAN	07.17.23	08.08.2023
P600	PLUMBING SPECIFICATIONS	07.17.23	
E000	ELECTRICAL DETAILS	07.17.23	
E101	ELECTRICAL POWER PLAN	07.17.23	08.08.2023
E201	LIGHTING PLAN	07.17.23	08.08.2023

GENERAL INFORMATION

NOTES:

- CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH ALL APPLICABLE BUILDING CODES, LOCAL RULES AND REGULATIONS, AND ALL OTHER CODES, REGULATIONS AND GOVERNING AGENCIES HAVING JURISDICTION WITH ALL APPLICABLE AMENDMENTS UNLESS ALTERED OR CHANGED THROUGH VARIANCES OF OTHER LEGAL PROCEDURES.
- UNLESS OTHERWISE INDICATED, ALL MATERIALS AND EQUIPMENT ON THE DRAWINGS IS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- COORDINATE ALL CONSTRUCTION PRIOR TO BEGINNING WORK AND SUBMIT PROPOSED WORK SCHEDULE TO THE OWNER & ARCHITECT FOR APPROVAL.
- CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES, SECURE AND PAY FOR ALL PERMITS, FEES, TAXES, INSPECTIONS & TESTING REQUIRED FOR COMPLETE RELATED WORK. THE GENERAL CONTRACTOR SHALL ALSO BE IN CHARGE OF THE OPERATION FROM THE TIME OF COMMENCEMENT UNTIL THE COMPLETION OF WORK AND TO WHOM ALL ORDERS AND DIRECTIONS SHALL BE GIVEN.
- ALL TRADES SHALL BE RESPONSIBLE TO READ ALL DRAWINGS, DETAILS, & PLANS ASSOCIATED WITH ALL PACKAGES INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING ASSOCIATED WITH THIS PROJECT TO ENSURE PROPER COORDINATION. IF ANY CONFLICTS EXIST, THAT TRADE SHALL NOTIFY THE CONTRACTOR OF THE SAME PRIOR TO CONSTRUCTION WHO SHALL IN TURN NOTIFY THE G.C.
- CONTRACTOR SHALL DIRECT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO CONSTRUCTION, AND CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK WHICH PROCEEDS WITHOUT DUE COURSE AND COORDINATION.
- ALL MATERIALS SHOWN OR CALLED FOR ON THESE CONSTRUCTION DOCUMENTS TO BE NEW AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
- THE GENERAL CONTRACTOR SHALL SUPPLY DETAILED COMPARISON OF SUBSTITUTION ITEMS REQUESTED FOR ARCHITECT APPROVAL. COMPARISON INFORMATION SHALL INCLUDE & NOT LIMITED TO SIGNIFICANT PRODUCT QUALITIES WHICH MAY ALTER VISUAL AND/OR PERFORMANCE OF A PRODUCT INCLUDING WEIGHT, SIZE, DURABILITY, & SPECIFIC FEATURES & REQUIREMENTS OF SUCH PRODUCT.
- ALL CEILING HEIGHTS ARE REFERENCED FROM NEAREST FINISHED FLOOR. ALL BEARING ELEVATIONS ARE BASED ON 100'-0" (REFERENCED ELEVATION) TYPICAL UNLESS NOTED OTHERWISE.
- ALL INTERIOR DIMENSIONS ARE TO FINISHED FACE OF GYP. BD. UNLESS NOTED OTHERWISE.
- ALL EXTERIOR MASONRY WALLS ARE DIMENSIONED FROM EXTERIOR FACE OF MASONRY TO FINISHED FACE OF INTERIOR GYPSUM BOARD UNLESS NOTED OTHERWISE.
- ALL EXTERIOR CLADES WALLS (VINYL SIDING, GEMENT BOARD SIDING, WOOD SIDING AND METAL WALL PANELS) ARE DIMENSIONED FROM EXTERIOR FACE OF SHEATHING TO FINISHED FACE OF INTERIOR GYPSUM BOARD UNLESS NOTED OTHERWISE.
- NO BACK TO BACK JUNCTION BOXES SHALL BE PERMITTED IN SOUND PARTITIONS.
- ELECTRICAL CONTRACTOR TO PROVIDE ALL SMOKE DETECTORS, EXIT SIGNS, EMERGENCY LIGHT AND FIRE ALARM SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES.

LEOK OFFICE RENOVATION

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LEE'S SUMMIT, MO 64063

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REVISION DATES:

- City Comments & 08.08.2023  
VE Revisions



PROFESSIONAL SEAL

G000

ISSUE DATE: JULY 17, 2023  
COLLINS WEBB #: 23033

SHEET INDEX / GENERAL INFORMATION

RELEASED FOR  
CONSTRUCTION  
As Noted on Plans Review  
Lee's Summit, Missouri  
08/15/2023



PERMIT SET

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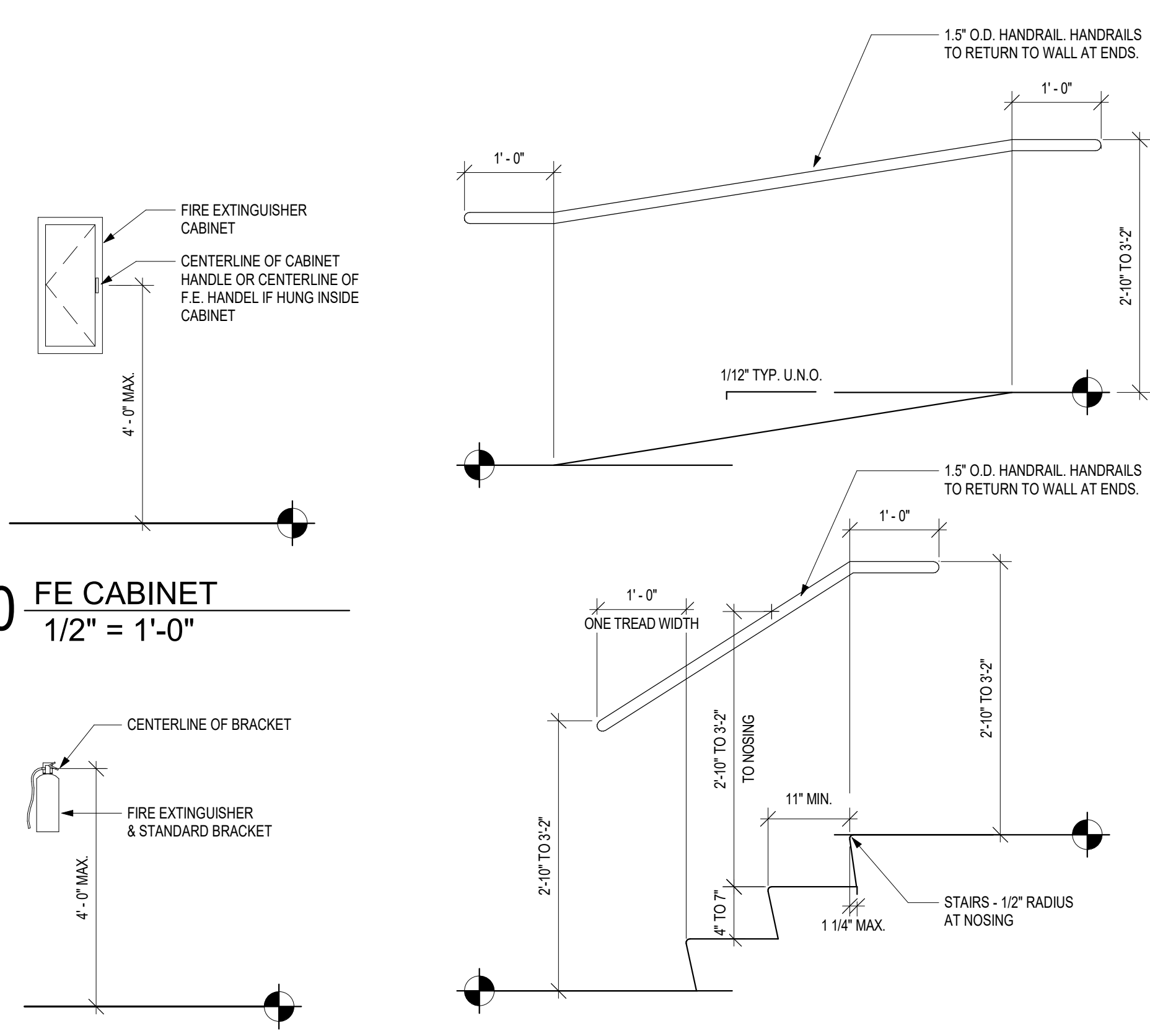




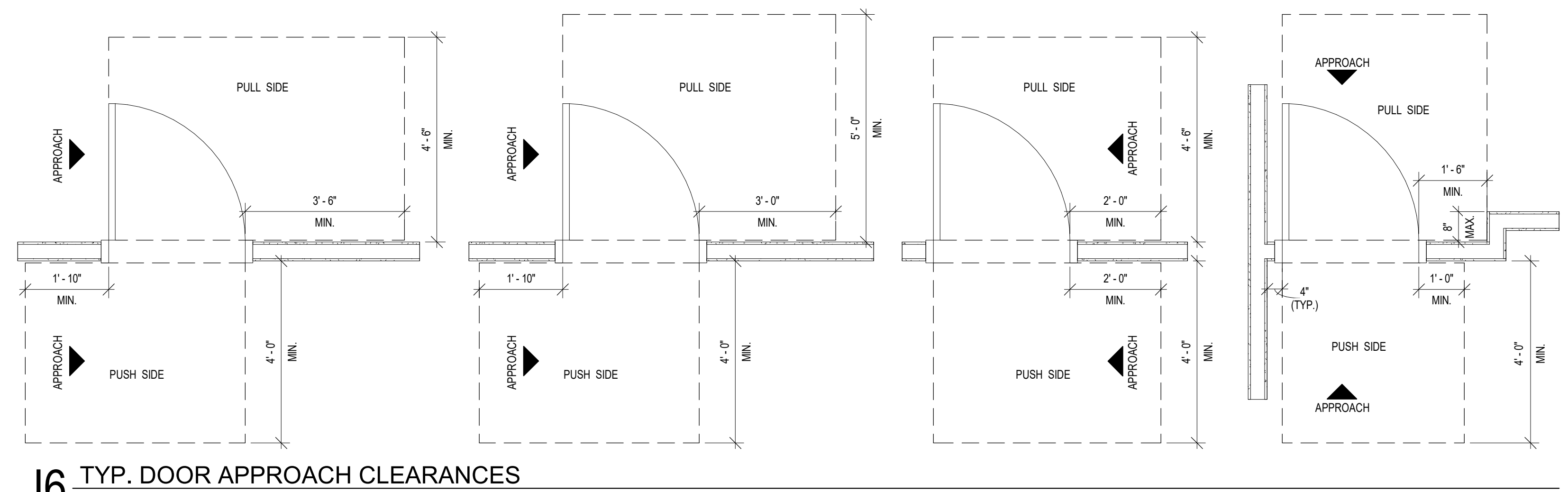
**GENERAL NOTES:  
ACCESSIBILITY GUIDELINES**

- NOTE: ALL DIMENSIONS ARE MEASURED FROM FLOOR, UNLESS NOTED OR SHOWN OTHERWISE.
- ADA UNOBSTRUCTED REACH RANGES: ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
- ELEVATORS: STANDARD CALL BUTTONS: 35" TO 48" TO C.L. & PROTRUDE 1" MAX. ADA CALL BUTTONS: 42" TO C.L. (TYP.) & 48" MAX. (3/4" SMALLEST DIM.). ADA VISIBLE SIGNALS: 72" MIN. TO C.L. (2 1/2" SMALLEST DIM.). TACTILE SIGNAL ON HOISTWAY: 8" TO BASE OF CHARACTERS W/ TACTILE STAR & 2" HIGH CHARACTERS.
- DOOR HARDWARE (TO CENTER OF HARDWARE): STANDARD MOUNTING HEIGHTS: PUSH PLATES = 42". PULL HANDLES = 42". KNOBS/LEVERS = 40". PANIC EXIT = 42". CENTERLINE OF BAR, KICKPLATES: WIDTH = DOOR WIDTH MINUS 2". CENTER HEIGHT = 16" FROM B.O. DOOR. THRESHOLDS: STANDARD = 1/2" MAX. AT EXT. SLIDING DOORS = 3/4" MAX. ADA HARDWARE = 34" MIN. TO 48" MAX.
- DRINKING FOUNTAINS & EWCS (TO SPOUT): STANDARD = 40" TYP. 42" MAX. ADA = 38" MAX. (27" MIN. CLEAR KNEE SPACE).
- COUNTERTOPS (TO SINK RIM/ COUNTERTOP): ADA = 28" MIN. TO 34" MAX.
- WATER CLOSETS (TO TOP OF SEAT): STANDARD = 14" TO 15". ADA (TO TOP OF SEAT) = 17" TO 19". ADA FLUSH CONTROLS = 44" MAX.
- URINALS (TO RIM): STANDARD = 24" MAX. ADA = 17" MAX. ADA FLUSH CONTROLS = 44" MAX.
- LAVATORIES (TO SINK RIM/ COUNTERTOP): STANDARD = 36" MAX. ADA = 34" MAX. (27" MIN. CLEAR KNEE SPACE).
- MIRRORS (TO B.O. REFLECTIVE SURFACE): STANDARD = VARIES. ADA = 40" MAX.
- GRAB BARS - ADA (TO TOP OF BAR): WATER CLOSETS = 33" MIN. TO 36" MAX. SHOWERS = 33" MIN. TO 36" MAX. FROM B.O. SHOWER/ BATHTUBS: TOP BAR = 33" MIN. TO 38" MAX. BOT. BAR = 9" ABOVE T.O. TUB.
- SHOWER HEADS (FROM FLOOR TO HEAD): STANDARD = 72" TO 84". ADA = SPRAY UNIT W/ HOSE 80" LONG MIN. ADA = FIXED SHOWER HEAD = 48" AFF.
- SHOWER CONTROLS (TO CONTROL AREA): STANDARD = 48" MAX. (TO TOP). ADA = 38" MIN. TO 48" MAX.
- SHOWER ROD (FROM FLOOR TO C.L.): STANDARD = 78" MAX.
- TOILET ROOM PARTITIONS: TOILETS = 12" TO BOT. & 70" TO TOP. URINALS = 18" TO BOT. & 80" TO TOP.
- TOILET PAPER DISPENSERS (TO C.L. OF OUTLET): STANDARD = 24". ADA = 19" MIN. TO 24" MAX.
- WALL MOUNTED SOAP DISPENSERS (TO C.L. OF PUSH BUTTON): STANDARD = 40". ADA = VARIES. RE. OBSTRUCTED AND UNOBSTRUCTED REACH RANGES. ADA SIDE REACH = 48" MAX. ABOVE SINK IN COUNTER.
- PAPER TOWEL DISPENSER/ WASTE RECEPTACLE (TO TOWEL SLOT): STANDARD = 40" MAX. ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
- WARM AIR HAND DRYER (TO PUSH SWITCH): STANDARD = 44" MAX. ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
- SANITARY NAPKIN DISPENSER (TO C.L. OF COIN SLOT): STANDARD = 40" MAX. ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
- SANITARY NAPKIN DISPOSAL (TO TOP OF UNIT): STANDARD = 28" MAX. ADA = 19" MIN. TO 24" MAX. (TO OPG.).
- TOILET SEAT COVER DISPENSERS (TO OPG.): STANDARD = 40" MAX. ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
- SHelves: ADA = 48" MAX.
- COAT HOOKS: STANDARD = 68". ADA = 48" MAX.
- CHALKBOARDS, TACKBOARDS & MARKERBOARDS: STANDARD = 32" TO 38" (TO B.O. BOARD OR CHALKTRAY). STANDARD = 80" (RECOMMENDED TO T.O. BOARD).
- THERMOSTATS & CONTROL DEVICES (TO TOP): ADA FORWARD REACH = 48" MAX. ADA SIDE REACH = 48" MAX.
- LIGHT SWITCHES & CARD READERS (TO C.L.): LOCATE 6" FROM DOOR JAMB. ADA = 48" MAX.
- CONVENIENCE RECEPTACLES - ELECTRICAL/ TELEPHONE/ DATA (TO C.L.): STANDARD = 18". ADA = 15" MIN.
- EXT. LIGHTS - WALL MOUNTED: 2" MIN. BELOW CEILING. 2" MIN. ABOVE DOOR FRAME. EQUAL SPACE FROM CEILING TO TOP OF FRAME.
- FIRE EXTINGUISHERS (TO TOP U.N.O.): GROSS WT. 40 LBS. OR LESS = 60" MAX. GROSS WT. MORE THAN 40 LBS. = 42" MAX. ADA = 40" MAX. (B.O. CABINET).
- FIRE ALARM PULL STATIONS (TO LEVER): STANDARD = 48" MAX. ADA FORWARD REACH = 48" MAX. ADA SIDE REACH = 48" MAX. HEIGHT.
- SMOKE AND/OR HEAT DETECTORS: STANDARD = CEILING HEIGHT.
- HORN/ SPEAKER/ VISUAL SIGNALS: STANDARD = 80" AFF. OR 6' BELOW CEILING - WHICHEVER IS LOWER.
- DOOR SIGHING (TO C.L.): STANDARD = 60" HIGH AFF. & WITHIN 15" OF LATCH SIDE OF DOOR.

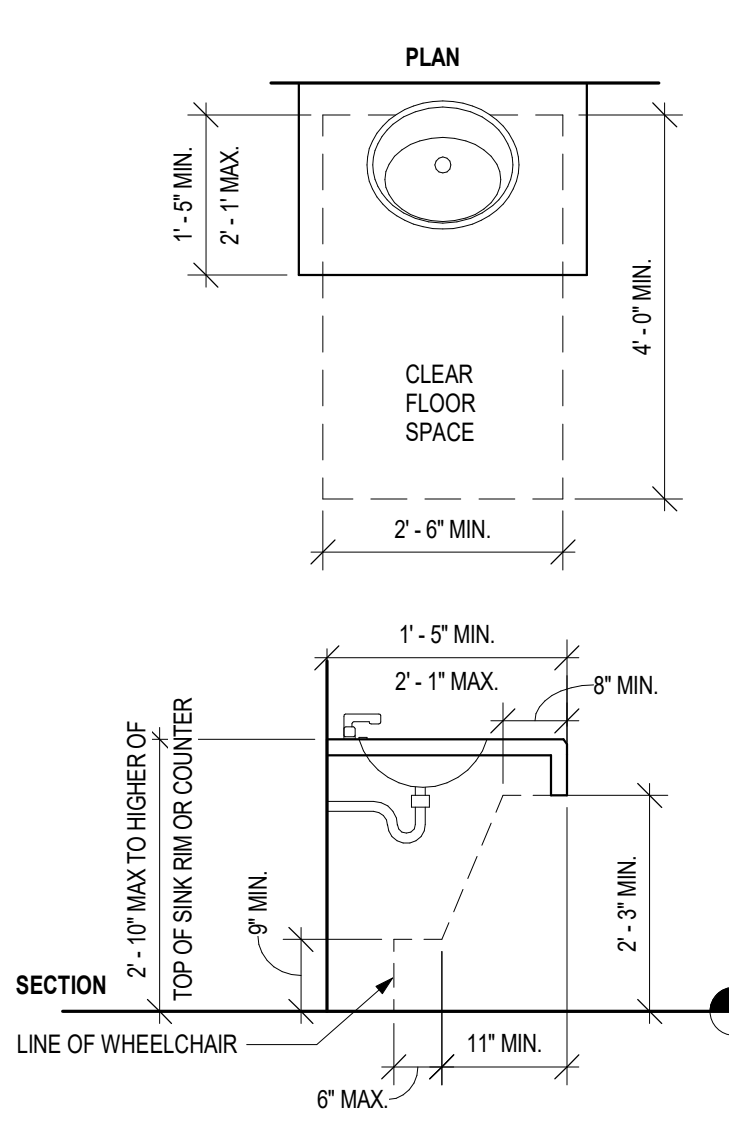
**J10 FE CABINET**  
1/2" = 1'-0"



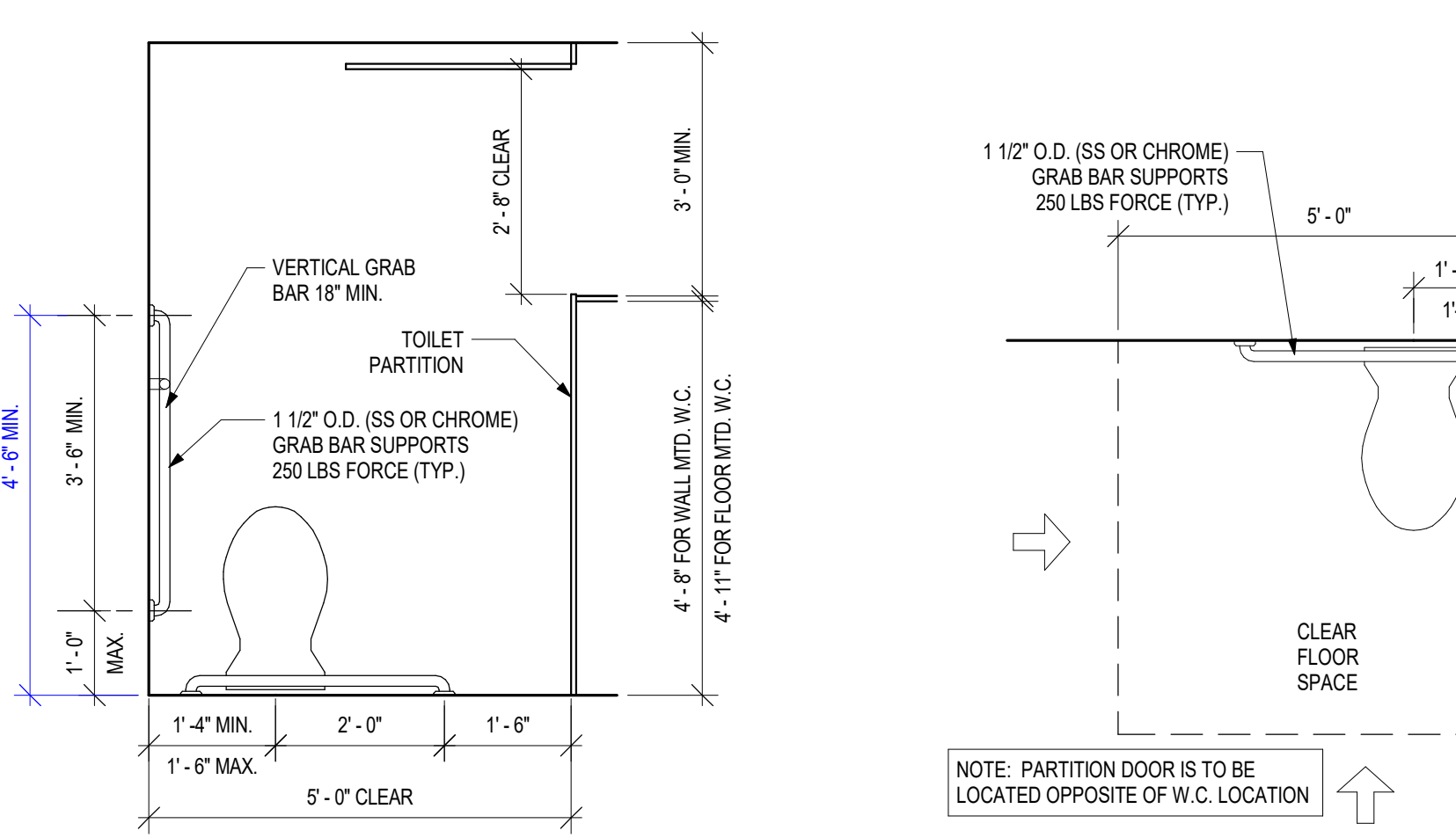
**J6 TYP. DOOR APPROACH CLEARANCES**  
1/2" = 1'-0"



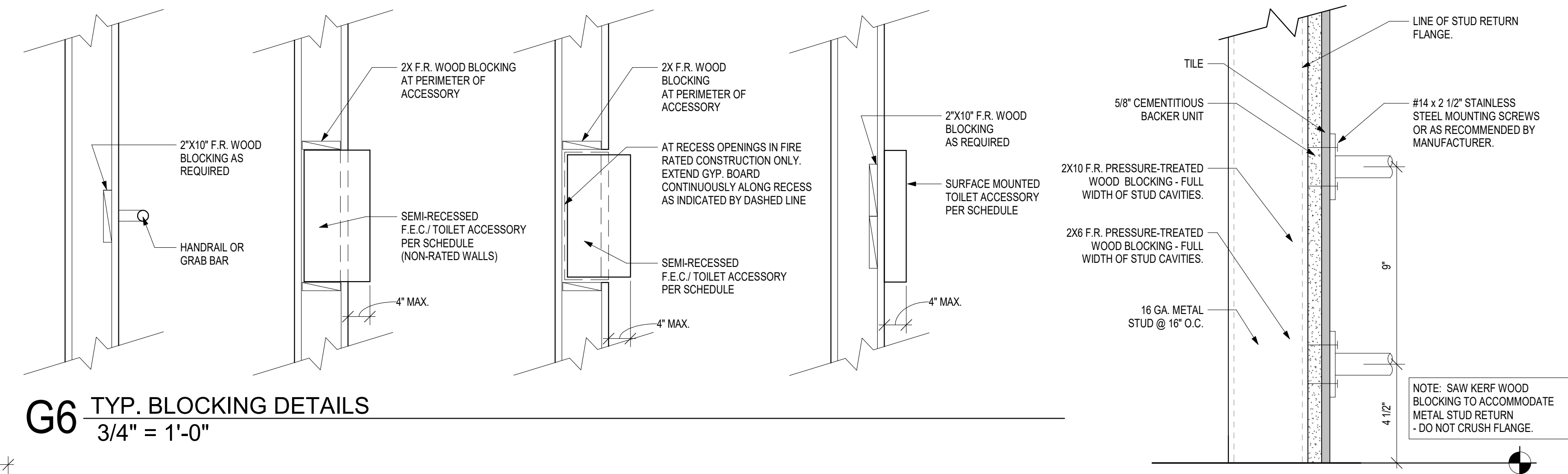
**G10 FIRE EXTINGUISHER**  
1/2" = 1'-0"



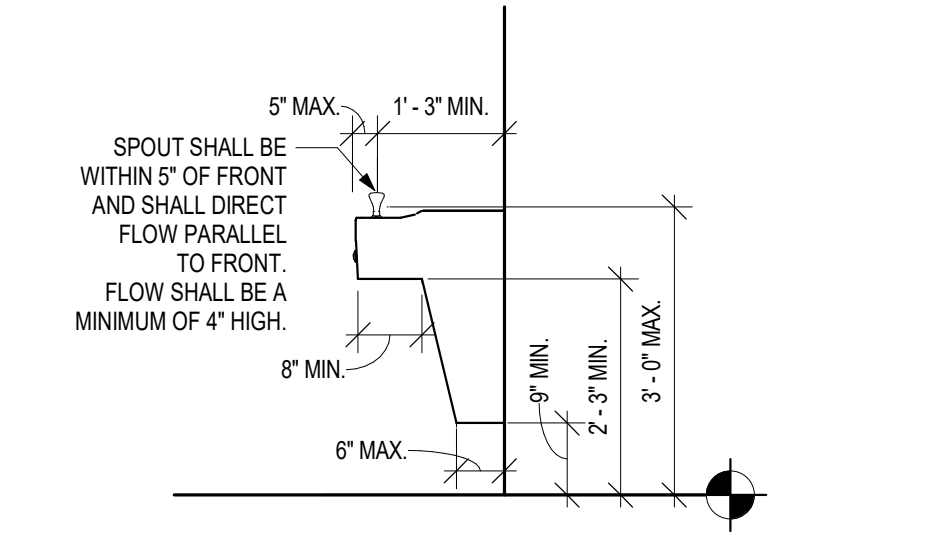
**G9 HANDRAIL @ STAIRS AND RAMP**  
3/4" = 1'-0"



**G6 TYP. BLOCKING DETAILS**  
3/4" = 1'-0"



**G2 BLOCKING SECTION**  
3" = 1'-0"



**E12 SINK IN COUNTER CLEARANCES**  
1/2" = 1'-0"

**E10 ACCESSIBLE TOILET STALL**  
1/2" = 1'-0"

**E8 ACCESSIBLE CLEAR FLOOR SPACE**  
1/2" = 1'-0"

**E6 HANDRAIL CLEARANCES**  
1 1/2" = 1'-0"

**E4 E.W.C. - CLEAR SPACE**  
1/2" = 1'-0"

**E2 E.W.C. - SECTION**  
1/2" = 1'-0"

**MISCELLANEOUS ACCESSORY TYPICAL MOUNTING HEIGHTS**

ACCESSORY TYPE	COMMENTS	HEIGHT
FIRE EXTINGUISHER CABINET	SEMI RECESSED	4'-0" MAX
MANUAL FIRE PULL	SURFACE MOUNTED	4'-0" MAX
FIRE STROBE/LIGHT/AUDIBLE ALARM	SURFACE MOUNTED	7'-0"
WALL MOUNTED EXIT SIGN	WALL MOUNTED	6'-6"
WALL MOUNTED HANDRAIL	SURFACE MOUNTED	3'-0" TO TOP
WALL CLOCK	SURFACE MOUNTED	4'-0" U.N.O.
FABRIC COVERED TACK BOARD	SURFACE MOUNTED	4'-0" U.N.O.
MARKER BOARD	SURFACE MOUNTED	4'-0" U.N.O.
MOP & BROOM HOLDER	SURFACE MOUNTED	4'-0" U.N.O.
ROBE HOOK	SURFACE MOUNTED	4'-0" U.N.O.
ELAPSED TIME CLOCK	SURFACE MOUNTED	4'-0" U.N.O.
SOAP DISPENSER	SURFACE MOUNTED	4'-0" U.N.O.
PAPER TOWEL DISPENSER	SURFACE MOUNTED	4'-0" U.N.O.
ALCOHOL DISPENSER	SURFACE MOUNTED	4'-0" U.N.O.

**TOILET ACCESSORY TYPICAL MOUNTING HEIGHTS**

ACCESSORY TYPE	COMMENTS	HEIGHT
PAPER TOWEL DISPENSER	SURFACE MOUNTED	4'-0" MAX
POWER HAND DRYER	SURFACE MOUNTED	4'-0" MAX
PAPER TOWEL DISPENSER & TRASH RECEPTACLE	SEMI RECESSED	4'-0" MAX
TOILET TISSUE DISPENSER	SURFACE MOUNTED	4'-0" MAX
SANITARY NAPKIN DISPOSAL	SURFACE MOUNTED	4'-0" MAX
SANITARY NAPKIN DISPENSER	RECESSED & SURFACE	4'-0" MAX
FRAMED VANITY MIRROR	SURFACE MOUNTED	4'-0" MAX
DIAPER CHANGING STATION	SURFACE MOUNTED	4'-0" MAX
SOAP DISPENSER	COUNTERTOP MOUNTED	4'-0" MAX
FOLDING SHOWER SEAT	SURFACE MOUNTED	4'-0" MAX
TOILET PARTITION	WALL MOUNTED	4'-0" MAX
URINAL SCREEN	WALL MOUNTED	4'-0" MAX

**MISCELLANEOUS ACCESSORY TYPICAL MOUNTING HEIGHTS**

ACCESSORY TYPE	COMMENTS	HEIGHT
CLOSET HANGAR ROD & SHELF	WALL MOUNTED	4'-0" MAX
WALL PHONE	SURFACE MOUNTED	4'-0" MAX
TELEPHONE HOUSING	SURFACE MOUNTED	4'-0" MAX
CUL DISPENSER	SURFACE MOUNTED	4'-0" MAX
WALL SWITCH	SURFACE MOUNTED	4'-0" MAX
TELEPHONE OUTLET	SURFACE MOUNTED	4'-0" MAX
RECEPTACLE/ TELEPHONE/ DATA	SURFACE MOUNTED	4'-0" MAX
RECEPTACLE/ TELEPHONE/ DATA	SURFACE MOUNTED	4'-0" MAX
SPECIALTY EQUIP (IE. THERMOSTAT CARD READER/ INTERCOM)	SURFACE MOUNTED	4'-0" MAX
ELEVATOR CALL BUTTON	SURFACE MOUNTED	4'-0" MAX
ELEVATOR VISIBLE SIGNAL INDICATOR	SURFACE MOUNTED	4'-0" MAX
TACTILE CHARACTER INDICATOR	SURFACE MOUNTED	4'-0" MAX
PANIC BAR	SURFACE MOUNTED	4'-0" MAX
DOOR PULL	SURFACE MOUNTED	4'-0" MAX
DOOR LATCH	SURFACE MOUNTED	4'-0" MAX
ADA DOOR OPERATOR	VARIES	4'-0" MAX

**PLUMBING FIXTURE TYPICAL MOUNTING HEIGHTS**

ACCESSORY TYPE	COMMENTS	HEIGHT
SHOWER MIXING VALVE	WALL MOUNTED	4'-0" MAX
SHOWER HEAD	WALL MOUNTED	4'-0" MAX
HAND HELD SHOWER	WALL MOUNTED	4'-0" MAX
LAVATORY	COUNTER MOUNTED	4'-0" MAX
LAVATORY	COUNTER MOUNTED	4'-0" MAX
CHILDREN'S DRINKING FOUNTAIN	WALL MOUNTED	4'-0" MAX
SINGLE DRINKING FOUNTAIN	WALL MOUNTED	4'-0" MAX
DOUBLE DRINKING FOUNTAIN	WALL MOUNTED	4'-0" MAX
TOILET	WALL/FLOOR MOUNTED	4'-0" MAX
URINAL	WALL MOUNTED	4'-0" MAX

**HEALTHCARE ACCESSORY TYPICAL MOUNTING HEIGHTS**

ACCESSORY TYPE	COMMENTS	HEIGHT
CLINIC SINK	WALL MOUNTED	4'-0" MAX
SHARPS CONTAINER	SURFACE MOUNTED	4'-0" MAX
FILM ILLUMINATOR	SURFACE MOUNTED	4'-0" MAX
SPECIMEN PASS-THRU	THRU-WALL MOUNTED	4'-0" MAX
OTOSCOPE	SURFACE MOUNTED	4'-0" MAX
SPHYGMOMAN-METER	SURFACE MOUNTED	4'-0" MAX
GLOVE BOX	SURFACE MOUNTED	4'-0" MAX
MED-GAS SHUT OFF	SURFACE MOUNTED	4'-0" MAX
WALL HUNG COMPUTER	SURFACE MOUNTED	4'-0" MAX

**GRAB BAR TYPICAL MOUNTING HEIGHTS & TOILET ACCESSORY PLANS**

ACCESSORY TYPE	COMMENTS	HEIGHT
ADA TOILET GRAB BAR	SURFACE MOUNTED	4'-0" MAX
SHOWER STALL GRAB BAR	SURFACE MOUNTED	4'-0" MAX
ROLL-IN SHOWER STALL GRAB BAR	SURFACE MOUNTED	4'-0" MAX
TYPICAL ACCESSORIES AT ACCESSIBLE TOILET	NOTE: SANITARY NAPKIN DISPOSAL AT WOMEN'S & UNISEX ONLY	4'-0" MAX
TYPICAL ADA SINK ENCLOSURE PANEL CLEARANCE		4'-0" MAX

**A11 TYP. MOUNTING HEIGHTS**  
1/4" = 1'-0"





PERMIT SET

# LEOK OFFICE RENOVATION

209 SE DOUGLAS  
LEE'S SUMMIT, MO 64063

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REVISION DATES:  
1 City Comments & 08.08.2023  
VE Revisions



PROFESSIONAL SEAL

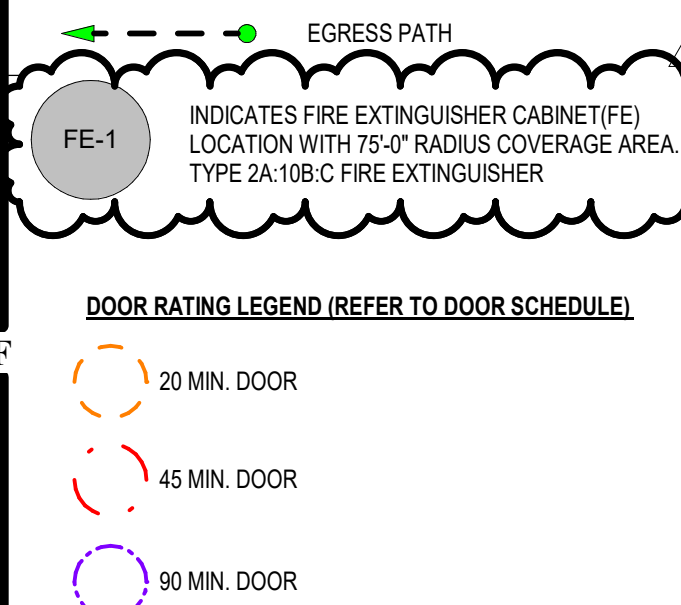
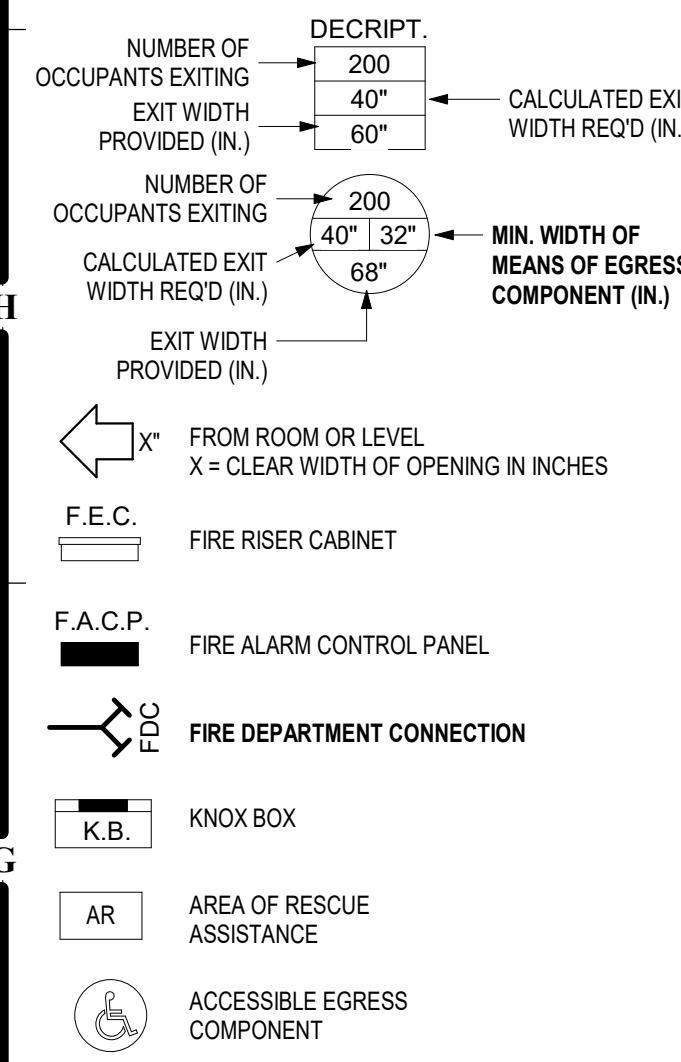
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ISSUE DATE: JULY 17, 2023  
COLLINS WEBB #: 23033

LIFE SAFETY PLANS AND  
PROJECT INFO.

## FIRE RESISTIVE LEGEND

3FW 3FW 3FW 3FW	3 HOUR FIRE WALL
2FW 2FW 2FW 2FW	2 HOUR FIRE WALL
2FB 2FB 2FB 2FB	2 HOUR FIRE BARRIER
1FB 1FB 1FB 1FB	1 HOUR FIRE BARRIER
2S 2S 2S 2S	2 HOUR SHAFT ENCLOSURE
1SE 1SE 1SE 1SE	1 HOUR SHAFT ENCLOSURE
1FP 1FP 1FP 1FP	1 HOUR FIRE PARTITION
0.5FP 0.5FP 0.5FP 0.5FP	0.5 HOUR FIRE PARTITION
0.5X 0.5X 0.5X 0.5X	0.5 HOUR CORRIDOR PARTITION
SB SB SB SB	1 HOUR SMOKE BARRIER
2BW 2BW 2BW 2BW	2 HOUR BEARING WALL
1BW 1BW 1BW 1BW	1 HOUR BEARING WALL



## GENERAL EXITING REQUIREMENTS

EXIT TRAVEL DISTANCE	250 FEET	SECTION 12.2.6.2
DEAD END CORRIDOR	20 FEET	SECTION 12.2.2.5.1.3
COMMON PATH OF TRAVEL	20 FEET, OR 75' IF OCC. < 50	SECTION 12.2.2.1.2
MIN. CORRIDOR WIDTH	44", OR 36" IF OCC. < 50	SECTION 12.2.3.8

## POSTING OF OCCUPANT LOAD

EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOWNWARD FROM THE ROOM OR SPACE. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR AUTHORIZED AGENT.

## EXIT REQUIREMENTS

- A. REQUIRED CAPACITY
1. STAIRS - 0.37 / PERSON
  2. OTHER COMPONENTS - 0.27 / PERSON
  3. OTHER COMPONENTS WITHIN THEATER ROOMS - 0.22" / PERSON
- B. MINIMUM NUMBER
1. OCCUPANT LOAD OF 1-500 PERSONS - 2 EXITS PER STORY
  2. OCCUPANT LOAD OF 501-1000 PERSONS - 3 EXITS PER STORY
  3. OCCUPANT LOAD OF MORE THAN 1000 PERSONS - 4 EXITS PER STORY

## SIGNAGE

1. STAIR TACTILE AND BRAILLE SIGNAGE ON EACH FLOOR FOR EXIT STAIRWELL, FLOOR DISCHARGE, AND ROOF TOP ACCESS IN ACCORDANCE WITH ICC A117.1
2. PROVIDE SIGNAGE "IN THE EMERGENCY DO NOT USE ELEVATORS AS EXIT STAIRS" IN ACCORDANCE WITH IBC (3002.3)
3. EVACUATION DIAGRAM PROVIDED IN ACCORDANCE WITH IBC (907.3)

## OCCUPANT LOAD

OCCUPANT LOAD : LEVEL 1

OFFICE	14 OCC	150 SF/OCC GROSS (82,014 SF (BUSINESS))	IBC TABLE 1004.5
TOTAL OCCUPANT LOAD	14 OCCUPANTS		

EXITS REQUIRED

EXITS PROVIDED

2 EXITS

2 EXITS

IBC TABLE 1006.3.2

IBC TABLE 2902.1

## PLUMBING FIXTURE REQUIREMENTS

8 OCC WATER CLOSETS	= 1/25
8 OCC LAVATORIES	= 1/40
8 OCC DRINKING FOUNTAIN	= 1/100
8 OCC SERVICE SINK	= 1

## PLUMBING FIXTURES REQUIRED

WATER CLOSETS:	14/25	= 1 REQUIRED
LAVATORIES:	14/40	= 1 REQUIRED
DRINKING FOUNTAINS:	14/100	= 1 REQUIRED
SERVICE SINKS:		= 1 REQUIRED

## PLUMBING FIXTURES PROVIDED

WATER CLOSETS:	= 2 PROVIDED
LAVATORIES:	= 2 PROVIDED
DRINKING FOUNTAINS:	= 0 PROVIDED (BOTTLED WATER AND KITCHENETTE WITH SINK ARE PROVIDED)
SERVICE SINKS:	= 1 PROVIDED

## GENERAL DESCRIPTION

PROJECT NAME: LEOK OFFICE RENOVATION  
PROJECT LOCATION: 209 SE DOUGLAS, LEE'S SUMMIT, MO 64063  
COUNTY: JACKSON  
COLLINS WEBB ARCHITECTURE  
307B SW MARKET STREET  
LEE'S SUMMIT, MISSOURI 64063

## APPLICABLE CODES:

INTERNATIONAL BUILDING CODE - 2018 ED.  
INTERNATIONAL EXISTING BUILDING CODE - 2018 ED.  
INTERNATIONAL MECHANICAL CODE - 2018 ED.  
INTERNATIONAL PLUMBING CODE - 2018 ED.  
INTERNATIONAL FUEL GAS CODE - 2018 ED.  
INTERNATIONAL FIRE CODE - 2018 ED.  
NATIONAL ELECTRICAL CODE - 2017 ED.  
ADA STANDARDS FOR ACCESSIBLE DESIGN - 2010 ED.  
ICC/ANSI A117.1 - 2009, ACCESSIBILITY AND USABILITY CODE

## CODE INFORMATION

BUILDING/PROJECT USE:	BUSINESS	IBC SECTION 303
CONSTRUCTION TYPE:	TYPE VB - EXISTING, NON-SPRINKLERED	IBC TABLE 601
OCCUPANCY CLASSIFICATION:	GROUP "B" BUSINESS	IBC SECTION 303
BUILDING FRAME:	METAL COLUMNS / BEAMS, WOOD JOISTS FOR ROOF FRAME	

ACTUAL TENANT AREA (GROSS)

2,014 SQ. FT.

ACTUAL NUMBER OF STORIES

1 STORY - EXISTING

ACTUAL HEIGHT IN FEET

EXISTING

## FIRE RESISTIVE REQUIREMENTS

PRIMARY FRAME	0 HRS	IBC TABLE 601
NON-BEARING WALLS	0 HRS	IBC TABLE 601
BEARING WALLS INTJ EXT.	0 INT / 0 EXT. HRS	IBC TABLE 601
FLOOR CONSTRUCTION	0 HRS	IBC TABLE 601
CEILING/ROOF	0 HRS	IBC TABLE 601
CORRIDORS	0 HRS	IBC TABLE 1018

## FIRE EXTINGUISHERS

1. PROVIDE PORTABLE FIRE EXTINGUISHERS IN OCCUPANCIES AND LOCATIONS AS REQUIRED BY THE LOCAL FIRE PREVENTION CODE. SEE PLANS FOR SUGGESTED LOCATIONS. NOTIFY ARCHITECT OF ANY PROPOSED RELOCATION OR IF A CONFLICT IS ENCOUNTERED.
2. PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED, INSPECTED, AND MAINTAINED IN ACCORDANCE WITH 2018 IFC 906.2 AND NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS.

## CEILING HEIGHT NOTES: (IBC 1208)

1. ALL MEANS OF EGRESS TO HAVE A MINIMUM CEILING HEIGHT OF 7'-6" A.F.F., NOR SHALL HAVE ANY PROJECTION FROM THE CEILING BE LESS THAN 6'-8" A.F.F.
2. OCCUPIED SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7'-6" A.F.F.
3. BATHROOMS, TOILET ROOMS, KITCHENS, STORAGE ROOMS AND LAUNDRY ROOMS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7'-0" A.F.F.

## INTERIOR FINISHES

GROUP A	MAX. FLAME SPREAD	
EXIT ENCLOSURES	CLASS A (0-25)	803.9 IBC
LOBBIES & CORRIDORS	CLASS B (26-75)	803.9 IBC
ALL OTHER SPACES	CLASS C (76-200)	803.9 IBC
TEXTILES	CLASS C (76-200)	IBC 803.1.3 & 803.1.4
SMOKE DEVELOPED	0-450	TABLE/SECTION/REFERENCE

NOTE: DECORATIVE MATERIALS AND TRIM (INCLUDING PLASTICS) MUST COMPLY WITH IBC SECTION 806.

## FIRE & SMOKE RESISTIVE LEGEND DEFINITIONS

### FIRE WALLS (FW)

DEFINITION  
A FIRE RATED WALL THAT IS CONTINUOUS VERTICALLY FROM FOUNDATION TO ROOF TO SEPARATE CONSTRUCTION INTO SEPARATE BUILDINGS.

USE  
FIRE WALLS SERVE TO CREATE SEPARATE BUILDINGS FOR THE FOLLOWING REASONS:  
• CONSTRUCTION TYPE VARIES FROM ONE BUILDING TO ANOTHER.  
• COMPLIANCE WITH MAXIMUM ALLOWABLE AREA REQUIREMENTS.  
• TO SEPARATE BUILDINGS WITH DIFFERENT LEVELS OF FIRE PROTECTION.  
• TO ADDRESS A PROPERTY LINE DEFINING DIFFERENT OWNERSHIP.

### SPECIAL CONSIDERATIONS

- THE FIRE WALL REQUIRES SUFFICIENT STRUCTURAL STABILITY UNDER FIRE CONDITIONS TO ALLOW THE COLLAPSE OF CONSTRUCTION ON EITHER SIDE WITHOUT COLLAPSE OF THE WALL.
- OPENINGS ARE REQUIRED TO BE PROTECTED.
- OPENINGS ARE LIMITED BASED ON A PERCENTAGE OF WALL LENGTH.
- EXTENDING THE FIRE WALL THROUGH THE ROOF WITH A PARAPET IS REQUIRED FOR SOME CONSTRUCTION CLASSIFICATIONS.
- THE REQUIRED FIRE RATING OF A FIRE WALL IS BASED ON OCCUPANCY GROUPS AND CLASS OF CONSTRUCTION.
- HARDWARE FOR SWING DOORS SHALL INCLUDE A LATCH AND CLOSER.

### FIRE BARRIERS (FB)

DEFINITION  
A FIRE RATED WALL CONSTRUCTED TO RESTRICT THE SPREAD OF FIRE. CONTINUITY SHALL BE MAINTAINED FROM TOP OF FLOOR TO UNDERSIDE OF THE FLOOR OR ROOF DECK ABOVE.

USE  
FIRE BARRIERS HAVE THE FOLLOWING APPLICATIONS:

- TO CREATE HORIZONTAL EXITS.
- TO SEPARATE EXIT PASSAGEWAYS.
- OCCUPANCY SEPARATIONS.
- TO SEPARATE INCIDENTAL USE AREAS.
- ISOLATION OF HAZARDS.
- TO SEPARATE ROOMS WITH DIFFERENT LEVELS OF FIRE PROTECTION.
- SMOKE BARRIERS AND SHAFT ENCLOSURES ARE FIRE BARRIERS. SEE ADDITIONAL REQUIREMENTS.

### SPECIAL CONSIDERATIONS

- WITHIN SOME CONSTRUCTION CLASSIFICATIONS, CONSTRUCTION THAT PROVIDES STRUCTURAL SUPPORT OF A FIRE BARRIER IS REQUIRED TO BE OF THE SAME HOURLY FIRE RATING AS THE FIRE BARRIER, OR BETTER.
- OPENINGS ARE REQUIRED TO BE PROTECTED.
- HARDWARE FOR SWING DOORS SHALL INCLUDE A LATCH AND CLOSER.

### SHAFT ENCLOSURES (SE)

DEFINITION  
A SHAFT ENCLOSURE IS A FIRE BARRIER FORMING THE BOUNDARY OF A VERTICAL SHAFT.

USE  
PROTECT OPENINGS IN FIRE RATED FLOOR/CEILING ASSEMBLIES.

### SPECIAL CONSIDERATIONS

- PENETRATIONS IN SHAFT ENCLOSURES ARE PROHIBITED UNLESS NECESSARY FOR THE FUNCTION OF THE SHAFT. WHERE ALLOWED, OPENINGS ARE REQUIRED TO BE PROTECTED.
- DUCT PENETRATIONS REQUIRE COMBINATION SMOKE AND FIRE DAMPERS EXCEPT FOR EXISTING CONDITIONS THAT ARE GRANDFATHERED.
- HARDWARE FOR SWING DOORS SHALL INCLUDE A LATCH, CLOSER, AND PERIMETER SMOKE SEALS.

### FIRE PARTITIONS (FP)

DEFINITION  
A FIRE RATED PARTITION THAT IS USED FOR THE APPLICATIONS LISTED BELOW. IT SHALL BE CONTINUOUS FROM TOP OF FLOOR TO UNDERSIDE OF A FIRE-RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY, WHERE ALLOWED BY CODE. EXCEPTION: A FIRE PARTITION SHALL BE ALLOWED TO TERMINATE AT THE UPPER MEMBRANE OF A FIRE RATED CEILING.

USE  
FIRE PARTITIONS ARE USED IN CERTAIN OCCUPANCIES TO DO THE FOLLOWING:  
• SEPARATE DWELLING UNITS  
• SEPARATE SLEEPING SPACES  
• SEPARATE CORRIDORS FROM ADJACENT SPACES  
• SEPARATE ELEVATOR LOBBIES  
• SEPARATE TENANT SPACES IN COVERED MAIL BUILDINGS

### SPECIAL CONSIDERATIONS

- OPENINGS ARE REQUIRED TO BE PROTECTED.
- HARDWARE FOR SWING DOORS SHALL INCLUDE A LATCH AND CLOSER.

### BEARING WALLS (BW)

DEFINITION  
AN INTERIOR OR EXTERIOR WALL DESIGNED TO SUPPORT FLOOR OR ROOF LOADS. A BEARING WALL IS FIRE-RATED ONLY TO MAINTAIN THE INTEGRITY OF ITSELF AS A FIRE RATED STRUCTURAL ELEMENT. THE WALL DOES NOT SERVE AS A FIRE SEPARATION FROM ONE SIDE TO THE OTHER SIDE.

USE  
A VERTICAL LOAD BEARING STRUCTURAL ELEMENT.

### SPECIAL CONSIDERATIONS

- DOORS AND WINDOWS ARE NOT REQUIRED TO BE RATED.
- HVAC DUCT PENETRATIONS ARE NOT REQUIRED TO BE FIRE-DAMPENED.
- PLUMBING, ELECTRICAL, SPRINKLER SYSTEM, AND CABLE PENETRATIONS ARE REQUIRED TO BE FIRE-STOPPED WITH FIRE SEALANT AT BOTH SIDES, FOR WALLS CONSTRUCTED OF HOLLOW CMU OR STUD FRAMING.

### GENERAL NOTES

1. THE FOLLOWING INFORMATION SERVES TO PROVIDE BUILDING OWNERS WITH CONCISE DEFINITIONS OF WALL TYPES RELATED TO LIFE SAFETY ISSUES. THIS INFORMATION IS NOT MEANT TO BE A SUBSTITUTE FOR APPLICABLE BUILDING CODES.
2. WHEN A WALL HAS MORE THAN ONE CLASSIFICATION, THE MOST RESTRICTIVE REQUIREMENTS FOR EACH CLASSIFICATION SHALL APPLY.
3. FOR NEW CONSTRUCTION, PERIMETER SMOKE-SEALS MAY BE REQUIRED AT FIRE RATED DOORS IN CERTAIN OCCUPANCIES.

## WALL PRIORITY LEGEND

NOTE: THIS LEGEND IS FOR GRAPHIC REPRESENTATION ONLY.

FOUR HOUR FIRE WALL (4FW)  
THREE HOUR FIRE WALL (3FW)  
TWO HOUR FIRE WALL (2FW)  
FOUR HOUR FIRE BARRIER (4FB)  
THREE HOUR FIRE BARRIER (3FB)

TWO HOUR FIRE BARRIER (2FB) (INCLUDES THE FOLLOWING)  
• TWO HOUR SHAFT ENCLOSURE (2SE)

ONE HOUR FIRE BARRIER (1FB) (INCLUDES THE FOLLOWING)  
• ONE HOUR SHAFT ENCLOSURE (1SE)

SMOKE TIGHT PARTITION (X) (INCLUDES THE FOLLOWING)

- SMOKE TIGHT PARTITION TO SMOKE TIGHT CEILING (XC)
- SMOKE TIGHT PARTITION WITHIN PLENUM ABOVE CEILING (XP)
- SMOKE TIGHT PARTITION SEPARATION OF INTERSTITIAL SPACES (XI)

## DETAIL ABUTMENT OF DISSIMILAR WALL

LOWER PRIORITY WALL

HIGHER PRIORITY WALLS SHALL PASS THROUGH A LOWER PRIORITY WALL

## INTERSECTION OF RATED WALLS

TAPE & JOINT COMPOUND (TYP)

LOWER PRIORITY WALL

TAPE & SEAL, HIGHER PRIORITY WALL BEHIND INTERSECTING LOWER PRIORITY WALL (TYP)

HIGHER PRIORITY WALL

TAPE & JOINT COMPOUND (TYP)

HIGHER PRIORITY WALL

LOWER PRIORITY WALL

TAPE & JOINT COMPOUND (TYP)

HIGHER PRIORITY WALL

CONTINUOUS TAPE & SEAL OF HIGHER PRIORITY WALL (TYP)

LOWER PRIORITY WALL

TAPE & JOINT COMPOUND (TYP)

HIGHER PRIORITY WALL

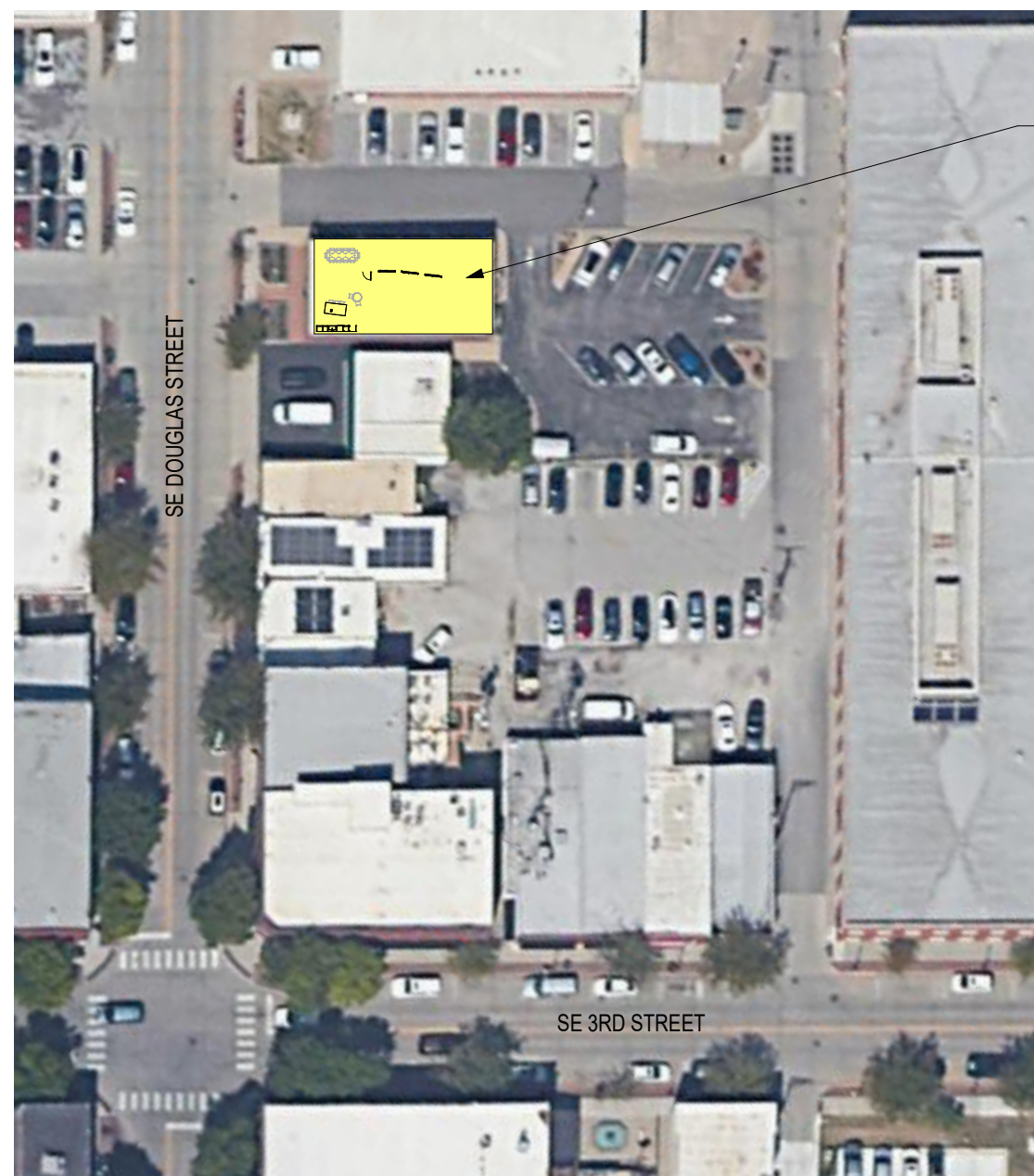
LOWER PRIORITY WALL

TAPE & JOINT COMPOUND (TYP)

HIGHER PRIORITY WALL

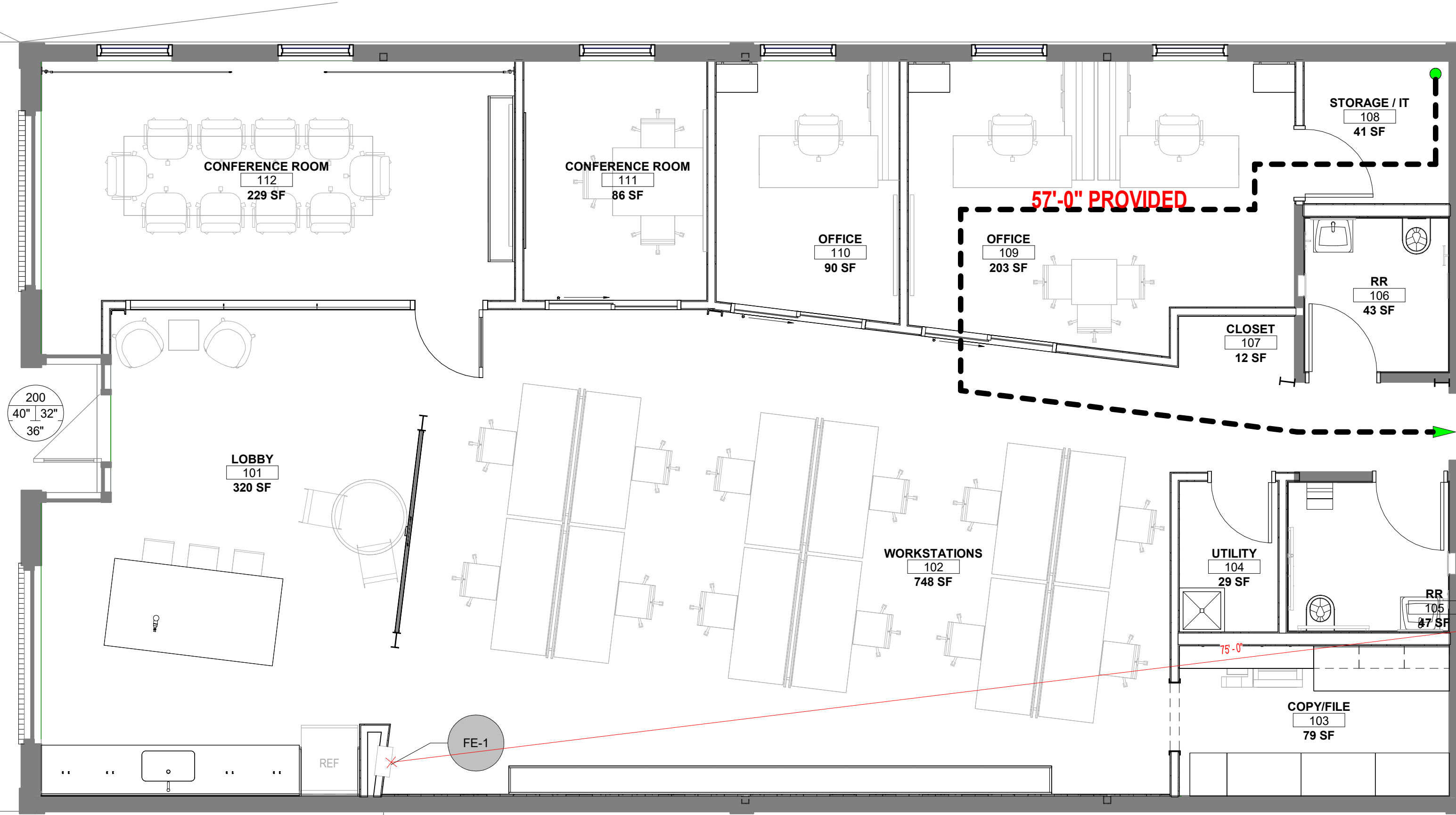
## NOTES

1. REFER TO WALL TYPES ON SHEET G121-T1 FOR WALL COMPONENTS, NUMBER OF GYPSUM BOARD LAYERS, TYPE OF GYPSUM BOARD, AND OTHER SIMILAR INFO.
2. THE HIGHER PRIORITY WALL SHALL PASS THROUGH THE LOWER PRIORITY WALL.
3. TAPING AND SEALING OF HIGHER PRIORITY WALLS SHALL BE CONTINUOUS.
4. ALTERNATE LAYERS OF GYPSUM BOARD SHALL OVERLAP AT CORNER INTERSECTIONS OF MULTI-LAYERED RATED GYPSUM BOARD PARTITIONS.



D12 SITE PLAN  
1/64" = 1'-0"

A10 1ST FLOOR - LIFE SAFETY  
1/4" = 1'-0"



MAX: 250' - 0"

PROVIDED: 57' - 0"

MAX. EXIT TRAVEL DISTANCE





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209 SE DOUGLAS  
LEE'S SUMMIT, MO 64063

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G501

ISSUE DATE: JULY 17, 2023  
COLLINS WEBB #: 23033

SPECIFICATIONS

SPECIFICATIONS - PRODUCT & INSTALLATION GENERAL REQUIREMENTS

GENERAL REQUIREMENTS APPLICABLE TO ALL MATERIALS FOR THE PROJECT.

1. NO SUBSTITUTIONS OF MATERIALS WITHOUT COMPLETION OF A SUBSTITUTION REQUEST FORM & APPROVAL OF SUBMITTAL BY BOTH ARCHITECT & OWNER PROJECT MANAGER. FORM CAN BE REQUESTED FROM ARCHITECT.  
2. A CONDENSED SET OF SPECIFICATIONS ARE PROVIDED FOR THE PROJECT. STRICT ADHERANCE TO MANUFACTURER REQUIREMENTS AND INSTALLATION ARE REQUIRED TO BE FOLLOWED WITH SECTIONS PROVIDED WITHIN. IF REQUIRED THE ARCHITECT WILL ISSUE ADDITIONAL SECTIONS TO PROVIDE CLARITY TO PRODUCTS OR INSTALLATION REQUIREMENTS.

DIVISION 1 - GENERAL REQUIREMENTS

1.1. SEE ADMINISTRATIVE SPECIFICATION FOR GENERAL REQUIREMENTS RELATED TO ADMINISTRATION OF THIS CONTRACT.

A. CONTRACTOR LICENSES

1. THE CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED IN THE PROJECT SHALL BE REQUIRED TO OBTAIN AND PAY FOR ALL NECESSARY LICENSES AS REQUIRED BY ANY LAW OR AGENCIES HAVING JURISDICTION (AHJ) OVER THE PROJECT.

B. BUILDING PERMITS

1. THE GENERAL CONTRACTOR WILL PAY FOR ALL PERMITS REQUIRED BY ANY AGENCY HAVING JURISDICTION (AHJ) OVER THE PROJECT FOR ALL WORK TO BE PERFORMED BY THE GENERAL CONTRACTOR.

C. UTILITY FEES

1. THE CONTRACTOR SHALL PAY THE NECESSARY FEES TO CONNECT TO EXISTING UTILITIES AT THE PROPERTY LINE OR IN ADJACENT STREETS. NECESSARY AND/OR INCLUDED IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PAY ALL UTILITY COSTS (BILLS) DURING CONSTRUCTION UNTIL OWNER TAKES POSSESSION OF THE FACILITY OR THE FACILITY IS CERTIFIED AS SUBSTANTIALLY COMPLETE.

D. PROTECTION OF FINISHED WORK

1. IF THE CONTRACTORS RESPONSIBILITY TO PROTECT FINISHED SURFACES, PROTECTION FOR FINISHES SUCH AS DOORS, WALLS AND FLOORS SHOULD BE PROVIDED AS REQUIRED. ANY DAMAGES TO THESE AREAS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE.

E. GENERAL CONDITIONS

1. ANY DISCREPANCY OR CONFLICT WITHIN OR BETWEEN DRAWINGS AND ANY DISCREPANCY OR CONFLICT BETWEEN ANY DRAWINGS AND ANY SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.  
2. NOTWITHSTANDING, DISCREPANCIES OR CONFLICTS NOT BROUGHT TO THE ARCHITECT'S AND OWNERS ATTENTION AND CLARIFIED DURING THE BIDDING OF THE PROJECT WILL BE DEEMED TO HAVE BEEN BID OR PROPOSED IN THE MORE COSTLY OR DIFFICULT MANNER, AND THE BETTER QUALITY OR GREATER QUANTITY OF THE WORK SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH ARCHITECT'S INTERPRETATION.  
3. THE GENERAL CONTRACTOR SHALL KEEP A COMPLETE SET OF DOCUMENTS ON THE PROJECT SITE AT ALL TIMES FOR REFERENCE DURING CONSTRUCTION.  
4. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE CONTRACTOR'S BEST SKILLS AND ATTENTION. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.  
5. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER ALL JOB SITE SAFETY PROCEDURES AND POLICIES. THE GENERAL CONTRACTOR SHALL HAVE A SAFETY COORDINATOR AND BE RESPONSIBLE TO HOLD REGULARLY SCHEDULED SAFETY TRAINING WITH ALL JOB SITE PERSONNEL, INCLUDING ALL SUB CONTRACTOR PERSONNEL.  
6. NEITHER THE ARCHITECTS OR THE OWNERS SIGNIFICANT NOR FAILURE TO INSPECT SHALL RELIEVE THE CONTRACTOR OF ANY OBLIGATION UNDER THE CONTRACT TO CONFORM TO THE CONTRACT DOCUMENTS. IF THE CONTRACTOR SHALL PROMPTLY REMEDY AND/OR REPLACE THE SAME AT THE CONTRACTORS EXPENSE, NO ACCEPTANCE OR PAYMENT BY THE OWNER OR ARCHITECT SHALL CONSTITUTE A WAIVER OF THE FOREGOING AND NOTHING HEREIN SHALL EXCLUDE OR LIMIT ANY WARRANTIES NOT EXCLUDED BY LAW.  
7. THE GENERAL CONTRACTOR SHALL SO CONDUCT ITS OPERATIONS AS NOT TO UNREASONABLY INTERFERE WITH TRAFFIC ON PUBLIC THOROUGHFARES ADJACENT OR NEAR TO THE PROJECT SITE.  
8. TO NOT SCALE DRAWINGS.

F. PROJECT REQUIREMENTS

1. THE GENERAL CONTRACTOR REPRESENTS THAT IT POSSESSES THE SKILLS REQUIRED FOR THE WORK, ASSUMES THE RESPONSIBILITIES OF AN EMPLOYER FOR PERFORMANCE OF THE WORK, AND ACTS AS AN EMPLOYER OF ONE OR MORE EMPLOYEES BY PAYING WAGES, DIRECTING ACTIVITIES AND PERFORMING OTHER SIMILAR FUNCTIONS. THE GENERAL CONTRACTOR IS AN INDEPENDENT CONTRACTOR, FREE TO DETERMINE THE MANNER IN WHICH THE WORK IS PERFORMED.  
2. THE GENERAL CONTRACTOR SHALL PROVIDE, AND MAINTAIN IN GOOD WORKING ORDER, THE FOLLOWING ITEMS FOR USE BY THE PROJECT SUPERINTENDENT DAILY DURING THE ENTIRE DURATION OF THE PROJECT:  
A. LAPTOP WITH INTERNET ACCESS.  
B. DIGITAL CAMERA WITH DATE STAMP CAPABILITY AND WITH PROPER CABLES TO ATTACH TO LAPTOP.  
C. EMAIL ACCESS THROUGH THE LAPTOP.  
D. A PRINTER/SCANNER/FAX MACHINE WITH PROPER CABLES TO ATTACH TO LAPTOP.  
E. CELL PHONE.  
F. PROJECT INTERNET CLOUD BASED SITE FOR MANAGEMENT OF PROJECT INFORMATION. SITE WILL BE USED FOR SUBMITTAL OF SHOP DRAWINGS, RFIS & PHOTOS. SITE SHALL BE PROCURE OR OFFICE FUNCTIONALITY.  
3. THE GENERAL CONTRACTOR SHALL HAVE A CONSTRUCTION SUPERINTENDENT ASSIGNED TO THIS PROJECT, AND THIS SUPERINTENDENT SHALL BE ON SITE EVERY DAY THERE IS ANY CONSTRUCTION ON THIS PROJECT. THE SUPERINTENDENT SHALL BE REACHABLE BY PHONE DURING NORMAL BUSINESS HOURS, ONCE ASSIGNED, THE SUPERINTENDENT SHALL NOT BE REMOVED OR REPLACED WITHOUT WRITTEN APPROVAL FROM OWNER & ARCHITECT, UNLESS SPECIFICALLY REQUESTED TO BE REPLACED BY OWNER.  
4. THE SUPERINTENDENT WILL BE REQUIRED TO PROVIDE PHOTOGRAPHS (VIA EMAIL USING A DIGITAL CAMERA) TO THE OWNER & ARCHITECT EACH FRIDAY BY NOON CST. SHOWING THE PROGRESS OF CONSTRUCTION. THE GENERAL CONTRACTOR IS ENCOURAGED TO TAKE PHOTOS SEVERAL TIMES EACH WEEK TO HELP MAINTAIN PROGRESS OF CONSTRUCTION PROGRESS, RECORD UNCOVERED CONDITIONS, RECORD CONDITION AND AMOUNTS OF VENDOR GOODS UPON RECEIPT, AND RECORD CONSTRUCTION THAT VARIES FROM THE CDS (AS PART OF THE AS-BUILTS). ALL PHOTOS WILL HAVE A DATE STAMP.  
5. INSPECTIONS/OBSERVATIONS  
1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OVERSEE CONSTRUCTION OF THE PROJECT, CONTINUALLY INSPECTING THE WORK, MATERIALS, AND WORKMANSHIP PROVIDED BY ALL OF HIS TRADESMEN, SUBCONTRACTORS, AND SUPPLIERS. EXCELLENCE IN QUALITY OF CONSTRUCTION CAN ONLY BE ACHIEVED IF THE CONTRACTOR ENJOICES HIGH STANDARDS OF ACCEPTABILITY. THE GENERAL CONTRACTOR CANNOT DELEGATE HIS RESPONSIBILITY TO THE SUBCONTRACTORS, BUT MUST CONTINUALLY MONITOR THE WORK OF EACH TRADE ON THE PROJECT.  
2. IT IS THE CONTRACTORS RESPONSIBILITY TO ARRANGE AND SCHEDULE ALL AGENCIES HAVING JURISDICTION (AHJ) INSPECTIONS NECESSARY TO OBTAIN THE CERTIFICATE OF OCCUPANCY (CERTIFICATE OF COMPLIANCE), PRIOR TO THE DATE OF THE AGENCY INSPECTION. THE GENERAL CONTRACTOR SHOULD INSPECT THE PROJECT TO INSURE THAT CONSTRUCTION COMPLETES WITH THE AGENCY REQUIREMENTS. SCHEDULING FINAL INSPECTIONS WITH AGENCY REPRESENTATIVES WHEN THE PROJECT IS NOT COMPLETE MUST BE AVOIDED. COPIES OF FINAL INSPECTIONS MUST BE PROVIDED TO OWNER & ARCHITECT AS THEY ARE AVAILABLE.  
3. PRIOR TO REQUESTING THE SUBSTANTIAL COMPLETION INSPECTION, IT IS THE CONTRACTORS RESPONSIBILITY TO CONDUCT HIS OWN PRE-SUBSTANTIAL COMPLETION INSPECTION OF THE CONSTRUCTION FOR QUALITY OF CONSTRUCTION AND COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.  
4. THE FOLLOWING PEOPLE SHOULD BE IN ATTENDANCE FOR THE SUBSTANTIAL COMPLETION INSPECTION:  
A. GENERAL CONTRACTOR  
B. GENERAL CONTRACTOR SUPERINTENDENT  
C. MECHANICAL CONTRACTOR  
D. ELECTRICAL CONTRACTOR  
E. PLUMBING CONTRACTOR  
F. PAINTING CONTRACTOR  
G. FLOORING CONTRACTOR  
5. ITEMS TO BE SUBMITTED AS A PREREQUISITE TO THE REQUEST FOR THE CERTIFICATE OF SUBSTANTIAL COMPLETION AND OWNER'S ARCHITECT OBSERVATION OF ITEMS TO BE COMPLETED AND CORRECTED:  
A. GENERAL CONTRACTORS PUNCH LIST  
B. HVAC TEST AND BALANCE REPORT  
C. SPRINKLER SYSTEM ACCEPTANCE INSPECTION REPORT  
D. COPY OF VIDEO OF COMPLETED SEWER SYSTEM  
6. THE REVIEW TEAM SHOULD PROCEED IN AN ORGANIZED MANNER THROUGHOUT THE BUILDING INSPECTING EACH SPACE OR ROOM. THE REVIEW TEAM SHALL PREPARE THE SUBSTANTIAL COMPLETION INSPECTION TOUR IS TO BE PREPARED BY THE CONTRACTOR. AFTER RECEIPT OF THE PUNCH LIST, THE ARCHITECT SHALL PREPARE THE CERTIFICATE OF SUBSTANTIAL COMPLETION.  
7. IMMEDIATELY AFTER THE PUNCH LIST, THE GENERAL CONTRACTOR AND SUBCONTRACTORS ARE EXPECTED TO BEGIN CORRECTION OF THE OUTSTANDING ITEMS AFTER COMPLETION OF PUNCHLIST. THE CONTRACTOR SHALL NOTIFY OWNER & ARCHITECT IN WRITING THAT FULL LIST OF ITEMS TO BE COMPLETED AND OR CORRECT IS FINALIZED.

H. RECORD CLOSE-OUT DOCUMENTS

1. THE OWNER REQUESTS THE GENERAL CONTRACTOR AND SUBCONTRACTORS TO MAINTAIN AN ACCURATE, CURRENT SET OF RECORD DOCUMENTS (AS-BUILTS) AS CONSTRUCTION PROGRESSES, ALL PERTINENT INFORMATION RELATING TO THE PROJECT MUST BE TIMELY MAINTAINED ON THE AS-BUILTS. THE AS-BUILTS MUST BE MAINTAINED ON SITE IN THE GENERAL CONTRACTORS OFFICE AND WILL NOT BE USED FOR ANY OTHER PURPOSE, SINCE THE OWNER WILL OWN AND OPERATE THE FACILITY, IT IS IMPERATIVE THAT ALL PARTIES MAINTAIN ACCURATE INFORMATION REGARDING THE ACTUAL CONSTRUCTION OF THE PROJECT.  
2. ALL DEVIATIONS FROM THE CONTRACT SET OF DRAWINGS MUST BE NOTED ON THE AS-BUILTS IN RED WITH CLOUDS FOR CLEAR IDENTIFICATION. THE OWNER WILL REVIEW THE AS-BUILTS FOR ACCURACY AND COMPLETENESS MONTHLY, DURING THE PAYMENT APPLICATION REVIEW PROCESS. FAILURE TO POST CHANGES TO THE PROJECT ON THE AS-BUILTS AS ENTERED DURING THE ON-SITE, MONTHLY REVIEW WILL BE CAUSE TO SUSPEND PAYMENT UNTIL RECTIFIED. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO ENFORCE THE TIMELY POSTING OF AS-BUILT CHANGES WITH THE SUBCONTRACTORS.  
3. FINAL CLOSE-OUT OF THE PROJECT  
1. WITHIN THIRTY (30) CALENDAR DAYS AFTER THE FINAL PROJECT SUBSTANTIAL COMPLETION, THE GENERAL CONTRACTOR SHALL COMPILE AND SUBMIT ALL CLOSE-OUT DOCUMENTS AND SUBMIT THEM TO THE OWNER FOR REVIEW. IF THE CONTRACTOR FAILS TO COMPLETE ITS REQUIREMENTS WITHIN THIS TIMELINE NOTED ABOVE THE CONTRACTOR MAY BE SUBJECT TO ADDITIONAL ADMINISTRATION FEES.  
4. CLOSE-OUT DOCUMENTS  
1. THE CATEGORIES LISTED BELOW SHOULD BE SUBMITTED AT THE SAME TIME.  
A. A DISK WITH ALL PHOTOS TAKEN DURING CONSTRUCTION.  
B. CHANGE ORDERS AND ALL ADDENDA ATTACHED AND POSTED TO THE AS-BUILT DRAWINGS.  
C. AS-BUILT DRAWINGS: ONE HARD COPY TO REMAIN ON SITE AND IN PLANT; ONE, ONE ELECTRONIC COPY TO BE SENT WITH CLOSE-OUT DOCUMENTS.  
D. MATERIALS SELECTION DATA - PROVIDE ALL APPROVED SUBMITTALS.  
E. OPERATION AND MAINTENANCE MANUALS (OMM) - PROVIDE OMM MANUALS BOXED AND BOUND. THIS ITEM IS OF SIGNIFICANT MAINTENANCE ACTIVITIES.  
F. ALL HVAC TEST AND BALANCE REPORTS.  
G. RELEASE OF LIEN (IA FORM 700A), PAYMENT OF DEBT (IA FORM 700B).  
H. WARRANTIES, CERTIFICATES, AFFIDAVITS.  
5. THE INFORMATION INCLUDED IN THIS CATEGORY WILL BE FURNISHED IN ONE (1) COPY AND BOUND IN A STUDY THREE-RING BINDER WITH A LABEL ON THE OUTSIDE READING "GENERAL CLOSE-OUT DOCUMENTS" TO INCLUDE AN INDEX OF THE CONTENTS. ALL AS-BUILT DOCUMENTS WILL BE ORIGINAL WITH RED LETTERING ON THE BOTTOM OF THE FORM AND NOTARIZED. IF THE ELECTRONIC VERSION IS USED A COPY WITH ORIGINAL SIGNATURES WILL BE SUBMITTED. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR WILL HAVE SEPARATE TABS IDENTIFYING EACH BY NAME. THE GENERAL CONTRACTOR WILL LIST EACH SUBCONTRACTOR ALPHABETICALLY AND WILL CHECK TO INSURE THAT A "RELEASE OF LIEN" - IA FORM 700A AND A "PAYMENT OF DEBT" IA FORM 700B IS INCLUDED FOR HIMSELF AND EACH SUBCONTRACTOR. THE GENERAL CONTRACTOR WILL INCLUDE A "CONSENT OF SURETY" - IA FORM 700T. IN ADDITION, THE GENERAL CONTRACTOR WILL INCLUDE BEHIND HIS TAB THE FOLLOWING INFORMATION:  
A. A LIST OF NAMES, BUSINESS ADDRESSES, PHONE NUMBERS AND EMAIL ADDRESSES FOR THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR.  
B. AN ANNOTATED COPY OF THE SUBSTANTIAL COMPLETION PUNCH LIST INDICATING ACTION TAKEN ON EACH ITEM.  
C. WARRANTIES, CERTIFICATES AND AFFIDAVITS SHALL BE INCLUDED FOR EVERY EQUIPMENT, MATERIALS OR SYSTEMS COMBINED WITH ALL OF THE ABOVE INFORMATION AND PLACED BEHIND THE TAB OF THE EQUIPMENT THAT ISSUED IT.

DIVISION 4 - MASONRY

04 0500 - MASONRY RESTORATION & TUCKPOINTING

A. REFERENCES

1. AMERICAN CONCRETE INSTITUTE (ACI)  
A. ACI 308.1Q-2 - SPECIFICATION FOR MASONRY STRUCTURES.  
2. ASTM INTERNATIONAL (ASTM) - STANDARD SPECIFICATION FOR PORTLAND CEMENT  
B. ASTM C 144 - STANDARD SPECIFICATION FOR AGGREGATE FOR MASONRY MORTAR.  
B. ASTM C 150 - STANDARD SPECIFICATION FOR PORTLAND CEMENT  
C. ASTM C 1314 - STANDARD SPECIFICATION FOR HYDRATED LIME FOR MASONRY PURPOSES.  
D. ASTM C 260 - STANDARD SPECIFICATION FOR AIR-ENTRAINING ADMIXTURE FOR CONCRETE.  
E. ASTM C 270 - STANDARD SPECIFICATION FOR MORTAR FOR UNIT MASONRY.  
F. ASTM C 289 - STANDARD SPECIFICATION FOR BLENDED HYDRAULIC CEMENTS.  
G. ASTM C 780 - STANDARD TEST METHOD FOR PRECONSTRUCTION AND CONSTRUCTION EVALUATION OF MORTARS FOR PLAN AND REINFORCED MASONRY.  
H. ASTM C 979 - STANDARD SPECIFICATION FOR PIGMENTS FOR INTEGRALLY COLORED CONCRETE.  
I. ASTM C 1093 - STANDARD PRACTICE FOR ACCREDITATION OF TESTING AGENCIES FOR UNIT MASONRY.  
I. ASTM C 1107 - STANDARD PERFORMANCE SPECIFICATION FOR HYDRAULIC CEMENT.  
K. ASTM C 1214 - STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF MASONRY PRISMS.  
L. ASTM C 1596 - STANDARD GUIDE FOR QUALITY ASSURANCE OF MORTARS.  
M. ASTM C 1174 - STANDARD SPECIFICATION FOR PRE-BLENDED DRY MORTAR MIX FOR UNIT MASONRY.  
N. ASTM C 328 - SPECIFICATION FOR MINIMUM REQUIREMENTS FOR AGENCIES ENGAGED IN THE TESTING AND/OR INSPECTION OF MATERIALS USED IN CONSTRUCTION.  
O. ASTM E 614 - STANDARD TEST METHOD FOR WATER PENETRATION AND LEAKAGE THROUGH MASONRY.  
P. INTERNATIONAL MASONRY INDUSTRY ALL-WEATHER COUNCIL (IMAC).  
Q. IMAC - INTERNATIONAL MASONRY INDUSTRY ALL-WEATHER COUNCIL (IMAC); RECOMMENDED PRACTICES AND GUIDE SPECIFICATIONS FOR COLD WEATHER MASONRY CONSTRUCTION.  
R. IMAC - INTERNATIONAL MASONRY INDUSTRY ALL-WEATHER COUNCIL (IMAC); RECOMMENDED PRACTICES AND GUIDE SPECIFICATIONS FOR HOT WEATHER MASONRY CONSTRUCTION.  
D. THE BRICK INDUSTRY ASSOCIATION (BIA).  
1. BIA TECHNICAL NOTE 20 - CLEANING BRICK.

B. SUBMITTALS

1. PRODUCT DATA: SUBMIT MANUFACTURER'S PRODUCT DATA.  
2. QUALITY ASSURANCE/CONTRACT SUBMITTALS:  
A. SUBMIT MANUFACTURER'S CERTIFICATES THAT PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS.  
B. SUBMIT TEST RESULTS PREPARED BY A QUALIFIED INDEPENDENT TESTING LABORATORY.  
C. QUALITY ASSURANCE:  
1. MANUFACTURER QUALIFICATIONS: FIRM SPECIALIZING IN MANUFACTURE OF MASONRY INSTALLATION MATERIALS, INCLUDING MORTARS, WITH MINIMUM 10 YEARS EXPERIENCE.  
2. QUALITY ASSURANCE/CONTRACT TESTING: TEST REPORTS PREPARED BY A QUALIFIED INDEPENDENT LABORATORY.  
3. INDICATING COMPLIANCE WITH THE FOLLOWING PERFORMANCE REQUIREMENTS:  
3. PRE-INSTALLATION MEETING: AT LEAST ONE WEEKS PRIOR TO COMMENCING MASONRY WORK CONDUCT A MEETING. AT THE PROJECT SITE TO DISCUSS CONTRACT REQUIREMENTS AND JOB CONDITIONS; REQUIRE THE ATTENDANCE OF MASONRY INDUSTRY ALL-WEATHER COUNCIL (IMAC) ARCHITECT IN ADVANCE OF MEETING REVIEW DETAILING AND SEQUENCE OF WORK TO BE PERFORMED.  
4. STORAGE AND PROTECTION: CEMENTITIOUS MATERIALS SHALL BE MANUFACTURED AND STORED OFF THE GROUND, UNDER COVER AND SHALL BE KEPT IN ACCORDANCE WITH ASTM C174.  
D. FIELD CONDITIONS:  
1. MAINTAIN ENVIRONMENTAL CONDITIONS AND PROTECT WORK DURING AND AFTER INSTALLATION TO COMPLY WITH REFERENCED STANDARDS AND MANUFACTURER'S PRINTED RECOMMENDATIONS.  
2. DO NOT BUILD OR APPLY MORTAR PRODUCTS ON FROZEN SUBSTRATES.  
3. MAINTAIN MASONRY MATERIALS DAMAGED BY FROST OR BY FREEZING CONDITIONS.  
3. VENT TEMPORARY HEATERS TO EXTERIOR TO PREVENT DAMAGE TO MASONRY WORK FROM CARBON DIOXIDE BUILD-UP.

F. EXECUTION

1. EXAMINE SURFACES TO RECEIVE MASONRY WORK AND CONDITIONS UNDER WHICH MASONRY WILL BE INSTALLED. DO NOT PROCEED WITH MASONRY WORK UNTIL SURFACES AND CONDITIONS COMPLY WITH REQUIREMENTS INDICATED IN REFERENCED MASONRY INSTALLATION STANDARD AND MANUFACTURER'S PRINTED INSTRUCTIONS.  
2. REMOVAL OF EXISTING MORTAR  
A. REMOVAL OF EXISTING MORTAR. CUT OUT EXISTING MORTAR JOINTS (BOTH BED AND HEAD JOINTS) AND REMOVE BY MEANS OF A TOOTHING CHISEL OR A SPECIAL POINTERS GRINDER, TO A UNIFORM DEPTH OF TO 3/4-INCH (19 mm) OR UNTIL SOUND MORTAR IS REACHED. ALL EXPOSED JOINTS SHALL BE EXPOSED TO VIEW.  
1. TAKE CARE TO NOT DAMAGE EDGES OF EXISTING MASONRY UNITS TO REMAIN.  
B. REMOVE DUST AND DEBRIS FROM THE JOINTS BY BRUSHING, BLOWING WITH AIR OR RINSING WITH WATER. DO NOT RINSE WHEN TEMPERATURE IS BELOW FREEZING.  
3. REPLACEMENT OF MASONRY UNITS  
A. REMOVE DAMAGED, SPALLED, LOOSE OR DETERIORATED MASONRY UNITS. CAREFULLY REMOVE ENTIRE UNITS FROM JOINT TO JOINT, WITHOUT DAMAGING SURROUNDING MASONRY, IN A MANNER THAT PERMITS REPLACEMENT WITH FULL SIZE UNITS.  
B. SUPPORT AND PROTECT REMAINING MASONRY THAT SURROUNDS REMOVED AREA. MAINTAIN FLASHING, REINFORCEMENT, LINTELS, AND ADJOINING CONSTRUCTION IN AN UNDAUNAGED CONDITION.  
C. CLEAN MASONRY UNITS SURROUNDING REMOVAL AREAS BY REMOVING MORTAR, DUST, AND LOOSE PARTICLES OR PREPARATION FOR REPLACEMENT.  
D. REPLACE REMOVED UNITS WITH SALVAGED OR NEW UNITS THAT MATCH EXISTING SIZE AND TEXTURE. DO NOT USE BROKEN UNITS UNLESS THEY CAN BE CUT TO USABLE SIZE.  
E. INSTALL REPLACEMENT UNITS INTO JOINTS WITHOUT DAMAGING OR CORRODING SURROUNDING EXISTING UNITS. IF CUTTING IS REQUIRED, USE A MOTOR-DRIVEN SAW DESIGNED TO CUT MASONRY WITH CLEAR, SHARP UNCHIPPED EDGES. UNITS MUST BE TOOTHED IN OR COURSED SHALL MATCH SURROUNDING IN PLACE WORK.  
F. MAINTAIN JOINT WIDTH FOR REPLACEMENT UNITS TO MATCH EXISTING JOINTS.  
G. LAY REPLACEMENT UNITS WITH COMPLETELY FLAT BED, HEAD, AND COLLAR JOINTS. BUTTER ENDS WITH SUFFICIENT MORTAR TO FILL HEAD JOINTS AND SHOVE INTO PLACE.  
4. CLEANING BRICK  
1. AS RECOMMENDED BY MANUFACTURER.  
2. RETEMPERING.  
3. RETEMPER MORTAR AS RECOMMENDED BY MANUFACTURER.

G. INSTALLATION OF TUCKPOINTING MORTAR

1. INSTALL MORTAR IN ACCORDANCE WITH ACI 308.1Q-2.  
2. IMMEDIATELY PRIOR TO APPLICATION OF MORTAR, DAMPEN JOINTS TO BE TUCK POINTED. PRIOR TO APPLICATION OF POINTING MORTAR, ALLOW MASONRY UNITS TO ABSORB SURFACE WATER.  
3. THICKLY PACK MORTAR INTO JOINTS IN THIN LAYERS, APPROXIMATELY 1/4-INCH (6 MM) THICK MAXIMUM.  
4. ALLOW LAYER TO BECOME "HUMPBUNT" HARD BEFORE APPLYING NEXT LAYER.  
5. PACK FINAL LAYER FLUSH WITH SURFACES OF MASONRY UNITS. WHEN MORTAR BECOMES "HUMPBUNT HARD", TOOL JOINTS.  
6. HARKLINE CRACKING WITHIN THE MORTAR OR MORTAR SPERMATION AT EDGE OF A JOINT IS UNACCEPTABLE. COMPLETELY REMOVE SUCH MORTAR AND REPOINT.  
7. TOOL JOINTS IN PATCH WORK WITH A JOINTING TOOL, TO MATCH THE EXISTING SURROUNDING JOINTS.  
8. CLEANING  
A. COMPLY WITH CLEANING PROCEDURES AND RECOMMENDATIONS OF THE MANUFACTURERS OF BOTH THE CLEANING SOLUTION AND THE UNIT MASONRY.  
B. REPAIR DISCOLORANCE FROM MASONRY WALL EXPOSED IN THE FINISHED WORK IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, NCM TEX BULLETIN #8-3A AND BIA TECHNICAL NOTE 20 - CLEANING BRICK.  
C. REMOVE DIRT OR STAINS FROM MASONRY WALLS EXPOSED IN THE FINISHED WORK IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, NCM TEX BULLETIN #8-2A AND BIA TECHNICAL NOTE 20 - CLEANING BRICK.  
D. COMPLY WITH APPLICABLE ENVIRONMENTAL LAWS AND RESTRICTIONS.  
AFTER MORTAR HAS FULLY HARDENED, THOROUGHLY CLEAN EXPOSED MASONRY SURFACES OF EXCESS MORTAR AND FOREIGN MATTER, USE WOOD SCRUBBERS, STIFF-NYLON OR FIBER BRUSHES, AND CLEAN WATER. SPRAY APPLIED AT LOW PRESSURE.  
1. DO NOT USE METAL SCRUBBERS OR BRUSHES.  
2. DO NOT USE ACIDIC OR ALKALINE CLEANERS.

H. PROTECTION

1. FROM ENVIRONMENTAL CONDITIONS AND PROTECT WORK DURING AND AFTER INSTALLATION TO COMPLY WITH REFERENCED STANDARDS AND MANUFACTURER'S PRINTED RECOMMENDATIONS.  
2. DO NOT BUILD OR APPLY MORTAR PRODUCTS ON FROZEN SUBSTRATES.  
3. MAINTAIN MASONRY MATERIALS DAMAGED BY FROST OR BY FREEZING CONDITIONS.  
3. VENT TEMPORARY HEATERS TO EXTERIOR TO PREVENT DAMAGE TO MASONRY WORK FROM CARBON DIOXIDE BUILD-UP.  
4. CLEANING  
A. COMPLY WITH CLEANING PROCEDURES AND RECOMMENDATIONS OF THE MANUFACTURERS OF BOTH THE CLEANING SOLUTION AND THE UNIT MASONRY.  
B. REPAIR DISCOLORANCE FROM MASONRY WALL EXPOSED IN THE FINISHED WORK IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, NCM TEX BULLETIN #8-3A AND BIA TECHNICAL NOTE 20 - CLEANING BRICK.  
C. REMOVE DIRT OR STAINS FROM MASONRY WALLS EXPOSED IN THE FINISHED WORK IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, NCM TEX BULLETIN #8-2A AND BIA TECHNICAL NOTE 20 - CLEANING BRICK.  
D. COMPLY WITH APPLICABLE ENVIRONMENTAL LAWS AND RESTRICTIONS.  
AFTER MORTAR HAS FULLY HARDENED, THOROUGHLY CLEAN EXPOSED MASONRY SURFACES OF EXCESS MORTAR AND FOREIGN MATTER, USE WOOD SCRUBBERS, STIFF-NYLON OR FIBER BRUSHES, AND CLEAN WATER. SPRAY APPLIED AT LOW PRESSURE.  
1. DO NOT USE METAL SCRUBBERS OR BRUSHES.  
2. DO NOT USE ACIDIC OR ALKALINE CLEANERS.

DIVISION 5 - METALS

05 0000 - STRUCTURAL METAL STUDS AND TRACK

THIS SECTION IS A DELEGATED DESIGN SUBMITTAL. CONTRACTOR SHALL ENGAGE A STRUCTURAL ENGINEER LICENSED IN THE JURISDICTION WHERE THIS PROJECT IS LOCATED. ALL FEES SUBJECT OF THIS SERVICE WILL BE PART OF BASE CONTRACT.

A. SUBMITTALS: PRODUCT DATA: MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED, INCLUDING:  
1. SHOWING PLANS, SECTIONS, ELEVATIONS, LAYOUTS, PROFILES AND PRODUCT COMPONENT LOCATIONS, INCLUDING ANCHORAGE, BRACINGS, FASTENERS, ACCESSORIES AND FINISHES.  
2. INDICATE COMPONENT DETAILS, FRAMED OPENINGS, BEARING, ANCHORAGE, LOADING, WELDS, TYPE AND LOCATION OF FASTENERS, AND ACCESSORIES.  
3. INDICATE METHOD FOR SECURING STUDS AND OTHER COMPONENTS TO TRACKS AND FOR FRAMING CONNECTIONS.  
4. SUBMIT CALCULATIONS FOR LOADINGS AND STRESSES UNDER PROFESSIONAL ENGINEER'S SEAL REGISTERED IN THE STATE OF THE PROJECT.  
B. QUALITY STANDARD  
1. MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING PRODUCTS SPECIFIED IN THIS SECTION WITH MINIMUM FIVE YEARS' DOCUMENTED EXPERIENCE.  
2. INSTALLER QUALIFICATIONS: COMPANY SPECIALIZING IN PERFORMING WORK OF THIS SECTION WITH MINIMUM 10 YEARS' DOCUMENTED EXPERIENCE.  
3. DESIGN STRUCTURAL ELEMENTS UNDER DIRECT SUPERVISION OF PROFESSIONAL ENGINEER EXPERIENCED IN DESIGN OF THIS WORK AND REGISTERED IN THE STATE OF THE PROJECT.

F. INSTALLATION

1. DO NOT DELIVER OR INSTALL WOODWORK UNTIL BUILDING IS ENCLOSED, WET WORK IS COMPLETED, HVAC IS OPERATING, AND WOODWORK IS CONDITIONED TO PREVENTING CONDITIONS OF SPACE WHERE INSTALLED. MAINTAIN TEMPERATURE BETWEEN 55°F AND 75°F FOR 24 HOURS BEFORE BEGINNING INSTALLATION AND FOR DURATION OF PROJECT.  
2. INSTALL WOODWORK LEVEL AND PLUMB AND SHIM AS REQUIRED WITH CONCEALED SHIMS TO  
A. TO BRACE OR TO CORRECT TO COMPLY WITH REFERENCED QUALITY STANDARD FOR GRADE SPECIFIED.  
B. TO BRACE AND CUT WOODWORK TO FIT ADJOINING WORK, SEAL, CUT SURFACES, AND REPAIR DAMAGED FINISH AT CUTS.  
3. INSTALL TAIL WITH MINIMUM NUMBER OF JOINTS POSSIBLE USING FULL-LENGTH PIECES TO GREATEST EXTENT POSSIBLE. STAGGER JOINTS IN ADJACENT AND RELATED MEMBERS.  
4. MEMBER FOR TRANSPARENT FINISH (STAINED OR CLEAR): USE PIECES MADE OF SOLID LUMBER STOCK.  
5. MEMBER FOR PAINTED FINISH: AT CONTRACTORS OPTION, USE PIECES WHICH ARE EITHER GLUED-UP OR MADE OF SOLID LUMBER STOCK.  
6. DISCARD ALL MATERIAL, WHICH ARE UNSOUND, WARPED, BOWED, TWISTED, IMPROPERLY INSTALLED, OR OTHERWISE DEFECTIVE.  
7. PREPARED, NOT ADEQUATELY SEASONED OR TOO SMALL FABRICATED WORK WITH MINIMUM OF JOINTS OR OPTIMUM JOINTING ARRANGEMENTS, OR WHICH ARE DEFECTIVELY MANUFACTURED WITH RESPECT TO SURFACE FINISH OR JOINT PATTERNING.  
8. INSTALL TAIL PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS. SHIM AS REQUIRED USING CONCEALED SHIMS.  
9. SAND WORK SMOOTH AND SET EXPOSED NAILS AND SCREWS.  
10. FOLLOW WORK SMOOTH AND SET EXPOSED NAILS AND SCREWS NEARLY.  
11. FINISH WORK SHIM SMOOTH, FREE FROM ABRASION, TOOL MARKS, RAISED GRAIN MARKINGS, OR SIMILAR DEFECTS ON EXPOSED SURFACES.

05 7000 - DECORATIVE METAL

A. SUBMITTALS: SAMPLES OF FINISH MATERIALS, CATALOG CUTS OF HARDWARE, AND SHOP DRAWINGS INCLUDING DIMENSIONED PLANS, ELEVATIONS, AND SECTIONS. INDICATE COMPONENT PROFILES, FASTENING METHODS, JOINTING DETAILS, AND ACCESSORIES.  
1. SCALE OF DRAWING: 1/4" = 1'-0" OR 1/2" = 1'-0" MINIMUM.  
2. PROVIDE THE INFORMATION REQUIRED BY ANIA/MCM/CI (AVIS) OR ANIA/MCM/CI (NAVIS).  
3. SAMPLES: SUBMIT ACTUAL SAMPLES OF ARCHITECTURAL CABINET CONSTRUCTION, MINIMUM 12 INCHES SQUARE, ILLUSTRATING PROPOSED CABINET, COUNTERTOP, AND SHELF UNIT SUBSTRATE AND FINISH.  
4. QUALITY STANDARD: ARCHITECTURAL WOODWORK INSTITUTES' ARCHITECTURAL WOODWORK QUALITY STANDARDS.  
C. QUALITY ASSURANCE:  
1. FIELD MEASUREMENTS: COMPANY SPECIALIZING IN FABRICATING THE PRODUCTS SPECIFIED IN THIS SECTION WITH MINIMUM FIVE YEARS' DOCUMENTED EXPERIENCE.  
D. CABINETS:  
1. QUALITY STANDARD: CUSTOM GRADE, IN ACCORDANCE WITH ANIA/MCM/CI (AVIS) OR ANIA/MCM/CI (NAVIS), UNLESS NOTED OTHERWISE.  
2. WOOD VENEER FACED CABINET: CONCEALED SURFACES: MANUFACTURER'S OPTION.  
3. FASTENERS: SIZE AND TYPE TO SUIT APPLICATION.  
4. PLASTIC LAMINATE FACED CABINETS: CUSTOM GRADE.

E. MATERIALS / ACCESSORIES / HARDWARE

1. LAMINATES AS INDICATED IN SCHEDULES. COMPLY WITH MANUFACTURER INSTRUCTIONS.  
2. ADHESIVE: TYPE RECOMMENDED BY FABRICATOR TO SUIT APPLICATION.  
3. FASTENERS: SIZE AND TYPE TO SUIT APPLICATION.  
4. BOLTS, NUTS, WASHERS, LAGS, PINS, AND SCREWS: OF SIZE AND TYPE TO SUIT APPLICATION. GALVANIZED OR CHROME-PLATED FINISH IN CONCEALED LOCATIONS AND STAINLESS STEEL OR CHROME-PLATED FINISH IN EXPOSED LOCATIONS.  
5. CONCEALED JOINT FASTENERS: THREADED STEEL.  
6. HARDWARE: BHM A156.9, TYPES AS RECOMMENDED BY FABRICATOR FOR QUALITY GRADE SPECIFIED.  
7. ADJUSTABLE SELF-SUPPORTS: STANDARD SIDE-MOUNTED SYSTEM USING RECESSED METAL SHELF STAYS. FASTENERS TO BE USED IN CONCEALED AND COORDINATED SELF-RESTS, POLISHED CHROME FINISH, FOR NOMINAL 1 INCH SPACING ADJUSTMENTS.  
8. DRAWER SLIDES: TYPE: EXTENSION TYPES AS INDICATED.  
9. HANGERS: SECURELY SECURED, MACHINED SMOOTH WITH HARLINE SEAMS.  
10. STIFF CLOSE ADAPTER: CONCEALED, FRAME-MOUNTED, SCREW-ADJUSTABLE DAMPER; STEEL WITH POLISHED FINISH.  
11. FINISH WORK IN ACCORDANCE WITH ANIA/MCM/CI (AVIS) OR ANIA/MCM/CI (NAVIS).

F. INSTALLATION

1. BEFORE BEGINNING INTERIOR FINISH CARPENTRY OR MILLWORK, UNITS SPACES ARE ENCLOSED, DRY, AND CAPABLE OF BEING HEATED. MAINTAIN TEMPERATURE BETWEEN 55°F AND 75°F FOR 24 HOURS BEFORE BEGINNING INSTALLATION AND FOR DURATION OF PROJECT.  
2. VERIFY LOCATION AND SIZES OF UTILITY ROUGH-IN ASSOCIATED WITH WORK OF THIS SECTION.  
3. SET AND SECURE CUSTOM CABINETS IN PLACE, ASSURING THAT THEY ARE RIGID, PLUMB, AND LEVEL.  
4. VERIFY LOCATION AND SIZES OF UTILITY ROUGH-IN ASSOCIATED WITH WORK OF THIS SECTION.  
5. USE ADDITIONAL OVERLAY TRIM FOR THIS PURPOSE.  
6. CONCEALED JOINT FASTENERS TO ALIGN AND SECURE ADJOINING CABINET UNITS.  
7. CAREFULLY CARE CASEWORK ABUTTING OTHER COMPONENTS, WITH MAXIMUM GAPS OF 1/32 INCH. DO NOT USE ADDITIONAL OVERLAY TRIM FOR THIS PURPOSE.  
8. SECURE CABINETS TO FLOOR USING APPROPRIATE ANCHORS AND ANCHORAGES.  
9. CLEAN CASEWORK, COUNTERS, SHELVES, HARDWARE, FITTINGS, AND FIXTURES.

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

07 1000 - SHEET WATERPROOFING

A. SUBMITTALS:  
1. PRODUCT DATA: PROVIDE DATA FOR MEMBRANE.  
2. PROVIDE SHOP DRAWINGS, INDICATE SPECIAL JOINT OR TERMINATION CONDITIONS AND CONDITIONS OF INTERFERENCE WITH OTHER MATERIALS.  
3. CERTIFICATE: CERTIFY THAT PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS.  
B. SURFACE BURNING CHARACTERISTICS:  
1. FLAME SPREAD INDEX: 25 OR LESS.  
2. SMOKE DEVELOPED INDEX: 50 OR LESS IN EXPOSED AREAS AND PLENUMS, 450 OR LESS WHERE CONCEALED.  
C. FIELD CONDITIONS:  
1. MAINTAIN AMBIENT AND SURFACE TEMPERATURES ABOVE 40 DEGREES F FOR 24 HOURS BEFORE AND DURING APPLICATION AND UNTIL LQUID OR MASTIC APPLICATIONS HAVE CURED.  
D. WARRANTY:  
1. CONTRACTOR SHALL CORRECT DEFECTIVE WORK WITHIN A FIVE YEAR PERIOD AFTER DATE OF SUBSTANTIAL COMPLETION; REMOVE AND REPLACE MATERIALS CONCEALING WATERPROOFING AT NO EXTRA COST TO OWNER.  
E. BASIS OF DESIGN:  
1. W.R. MEADOWS, INC. MEL-ROL: WWW.WRMEADOWS.COM  
F. MATERIALS:  
1. SELF-ADHERED MODIFIED BITUMINOUS SHEET MEMBRANE: LOCATION LOCATIONS AS IDENTIFIED IN DRAWINGS.  
2. ROLLED SELF-ADHERED MODIFIED BITUMINOUS SHEET MEMBRANE: THICKNESS: 60 MIL, 0.090 INCH MINIMUM THICKNESS, 60 MIL, 0.090 INCH MINIMUM, CARRIER FILL 4 MILS, POLYMERIC MEMBRANE 56 MILS, SHEET WIDTH: 36 INCH.  
3. SEALING MATERIALS: AS RECOMMENDED BY MEMBRANE MANUFACTURER.  
4. MEMBRANE: REMOVE DAMAGED, SPALLED, LOOSE OR DETERIORATED MASONRY UNITS. CAREFULLY REMOVE ENTIRE UNITS FROM JOINT TO JOINT, WITHOUT DAMAGING SURROUNDING MASONRY, IN A MANNER THAT PERMITS REPLACEMENT WITH FULL SIZE UNITS.  
5. SUPPORT AND PROTECT REMAINING MASONRY THAT SURROUNDS REMOVED AREA. MAINTAIN FLASHING, REINFORCEMENT, LINTELS, AND ADJOINING CONSTRUCTION IN AN UNDAUNAGED CONDITION.  
6. CLEAN MASONRY UNITS SURROUNDING REMOVAL AREAS BY REMOVING MORTAR, DUST, AND LOOSE PARTICLES OR PREPARATION FOR REPLACEMENT.  
7. REPLACE REMOVED UNITS WITH SALVAGED OR NEW UNITS THAT MATCH EXISTING SIZE AND TEXTURE. DO NOT USE BROKEN UNITS UNLESS THEY CAN BE CUT TO USABLE SIZE.  
8. INSTALL REPLACEMENT UNITS INTO JOINTS WITHOUT DAMAGING OR CORRODING SURROUNDING EXISTING UNITS. IF CUTTING IS REQUIRED, USE A MOTOR-DRIVEN SAW DESIGNED TO CUT MASONRY WITH CLEAR, SHARP UNCHIPPED EDGES. UNITS MUST BE TOOTHED IN OR COURSED SHALL MATCH SURROUNDING IN PLACE WORK.  
9. MAINTAIN JOINT WIDTH FOR REPLACEMENT UNITS TO MATCH EXISTING JOINTS.  
10. LAY REPLACEMENT UNITS WITH COMPLETELY FLAT BED, HEAD, AND COLLAR JOINTS. BUTTER ENDS WITH SUFFICIENT MORTAR TO FILL HEAD JOINTS AND SHOVE INTO PLACE.  
11. CLEANING  
A. AS RECOMMENDED BY MANUFACTURER.  
B. RETEMPERING.  
C. RETEMPER MORTAR AS RECOMMENDED BY MANUFACTURER.

F. FABRICATION

1. FORM SECTIONS: TRY TO SHAPE, ACCURATE IN PLACE, SQUARE AND FREE FROM DISTORTION OR DEFECTS.  
2. FORM SECTIONS IN LONGEST POSSIBLE LENGTHS.  
3. FORM EXPOSED EDGES ON UNDERSIDES OF 1/2 INCH WATER AND SEAM CORNERS.  
4. FORM MATERIAL WITH FLAT LOCK SEAMS, EXCEPT WHERE OTHERWISE INDICATED; AT MOVING JOINTS, USE SEALED LAPPEL, BAYONET-TYPE OR INTERLOCKING HOOKED SEAMS.  
5. FABRICATE FLASHINGS TO ALLOW TIE TO EXTEND 2 INCHES OVER ROOFING GRAVEL RETURN AND BRAKE EDGES.  
6. SEAL MATERIAL JOINTS WATERTIGHT.  
7. INSULATION:  
1. DO NOT INSTALL INSULATION ADHESIVES WHEN TEMPERATURE OR WEATHER CONDITIONS ARE DETRIMENTAL TO SUCCESSFUL INSTALLATION.  
2. INSTALL INSULATION IN AREAS AND IN THICKNESSES INDICATED OR REQUIRED TO PRODUCE R-VALUES WHERE INDICATED IN DRAWINGS.  
3. CLEAN AND PREPARE SURFACES TO RECEIVE WATERPROOFING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. VACUUM SUBSTRATE CLEAN.  
4. FILL NON-MOVING JOINTS AND CRACKS WITH A FILLER COMPATIBLE WITH WATERPROOFING MATERIALS. SEAL MOVING CRACKS WITH SEALANT AND NON-RIGID FILLER. USING PROCEDURES RECOMMENDED BY SEALANT MANUFACTURER.  
5. INSTALL MEMBRANE WATERPROOFING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND NRCA W/AM APPLICABLE REQUIREMENTS.  
6. MECHANICAL ROLLER TO PROVIDE FULL CONTACT BOND.  
7. REPAIR EDGES AND ENDS, MINIMUM 3 INCHES, SEAL PERMANENTLY WATERPROOF BY METHOD RECOMMENDED BY MANUFACTURER AND ADVISOR (READ OR SEE ABOVE).  
8. REINFORCE MEMBRANE WITH MULTIPLE THICKNESS MEMBRANE MATERIAL OVER JOINTS, WHETHER JOINTS ARE STATIC OR DYNAMIC.  
9. BLOCKING SHALL BE CLOSELY FITTED, ACCURATELY SET TO REQUIRED LINES & LEVELS, SECURELY CONNECTED & RIGIDLY FIXED IN PLACE USING NAILS, SCREWS, OR BOLTS AS INDICATED OR REQUIRED BY GOOD PRACTICE AND MANUFACTURER'S RECOMMENDATIONS.

G. INSTALLATION

1. COMPLY WITH ALL DRAWINGS AND WRITTEN INSTRUCTIONS.  
2. INSTALL COMPONENTS PLUMB AND LEVEL, ACCURATELY FITTED, FREE FROM DISTORTION OR DEFECTS AND WITH TIGHT JOINTS, EXCEPT WHERE NECESSARY FOR EXPANSION.  
3. SECURE WORK SECURELY TO STRUCTURE.  
4. INSULATION:  
1. DO NOT DELIVER OR INSTALL WOODWORK UNTIL BUILDING IS ENCLOSED, WET WORK IS COMPLETED, HVAC IS OPERATING, AND WOODWORK IS CONDITIONED TO PREVENTING CONDITIONS OF SPACE WHERE INSTALLED. MAINTAIN TEMPERATURE BETWEEN 55°F AND 75°F FOR 24 HOURS BEFORE BEGINNING INSTALLATION AND FOR DURATION OF PROJECT.  
2. INSTALL WOODWORK LEVEL AND PLUMB AND SHIM AS REQUIRED WITH CONCEALED SHIMS TO  
A. TO BRACE OR TO CORRECT TO COMPLY WITH REFERENCED QUALITY STANDARD FOR GRADE SPECIFIED.  
B. TO BRACE AND CUT WOODWORK TO FIT ADJOINING WORK, SEAL, CUT SURFACES, AND REPAIR DAMAGED FINISH AT CUTS.  
3. INSTALL TAIL WITH MINIMUM NUMBER OF JOINTS POSSIBLE USING FULL-LENGTH PIECES TO GREATEST EXTENT POSSIBLE. STAGGER JOINTS IN ADJACENT AND RELATED MEMBERS.  
4. MEMBER FOR TRANSPARENT FINISH (STAINED OR CLEAR): USE PIECES MADE OF SOLID LUMBER STOCK.  
5. MEMBER FOR PAINTED FINISH: AT CONTRACTORS OPTION, USE PIECES WHICH ARE EITHER GLUED-UP OR MADE OF SOLID LUMBER STOCK.  
6. DISCARD ALL MATERIAL, WHICH ARE UNSOUND, WARPED, BOWED, TWISTED, IMPROPERLY INSTALLED, OR OTHERWISE DEFECTIVE.  
7. PREPARED, NOT ADEQUATELY SEASONED OR TOO SMALL FABRICATED WORK WITH MINIMUM OF JOINTS OR OPTIMUM JOINTING ARRANGEMENTS, OR WHICH ARE DEFECTIVELY MANUFACTURED WITH RESPECT TO SURFACE FINISH OR JOINT PATTERNING.  
8. INSTALL TAIL PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS. SHIM AS REQUIRED USING CONCEALED SHIMS.  
9. SAND WORK SMOOTH AND SET EXPOSED NAILS AND SCREWS.  
10. FOLLOW WORK SMOOTH AND SET EXPOSED NAILS AND SCREWS NEARLY.  
11. FINISH WORK SHIM SMOOTH, FREE FROM ABRASION, TOOL MARKS, RAISED GRAIN MARKINGS, OR SIMILAR DEFECTS ON EXPOSED SURFACES.

DIVISION 8 - WOOD AND PLASTICS

06 1000 - ROUGH CARPENTRY

1. PROVIDE SUFFICIENT FIRE RETARDANT TREATED WOOD BLOCKING AT ALL STUDS FOR SECURING OF WALL & CEILING JOINTS, WHETHER FURNISHED BY OWNER OR CONTRACTOR.  
2. CONCEALED WOOD TO BE FIRE RETARDANT TREATED UNLESS NOTED OTHERWISE.  
3. PRESERVATIVE TREATED LUMBER IS REQUIRED FOR ALL ITEMS TO REMAIN IN CONTACT WITH



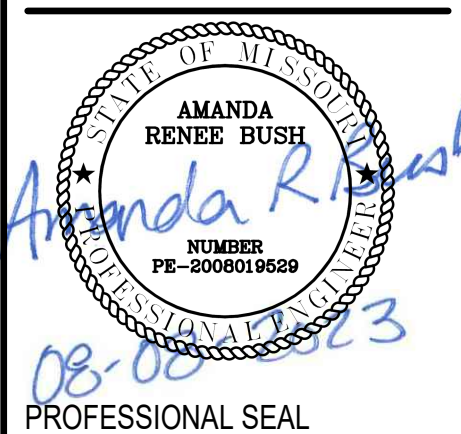




# LEOK OFFICE RENOVATION

209 SE DOUGLAS  
LEE'S SUMMIT, MO 64063

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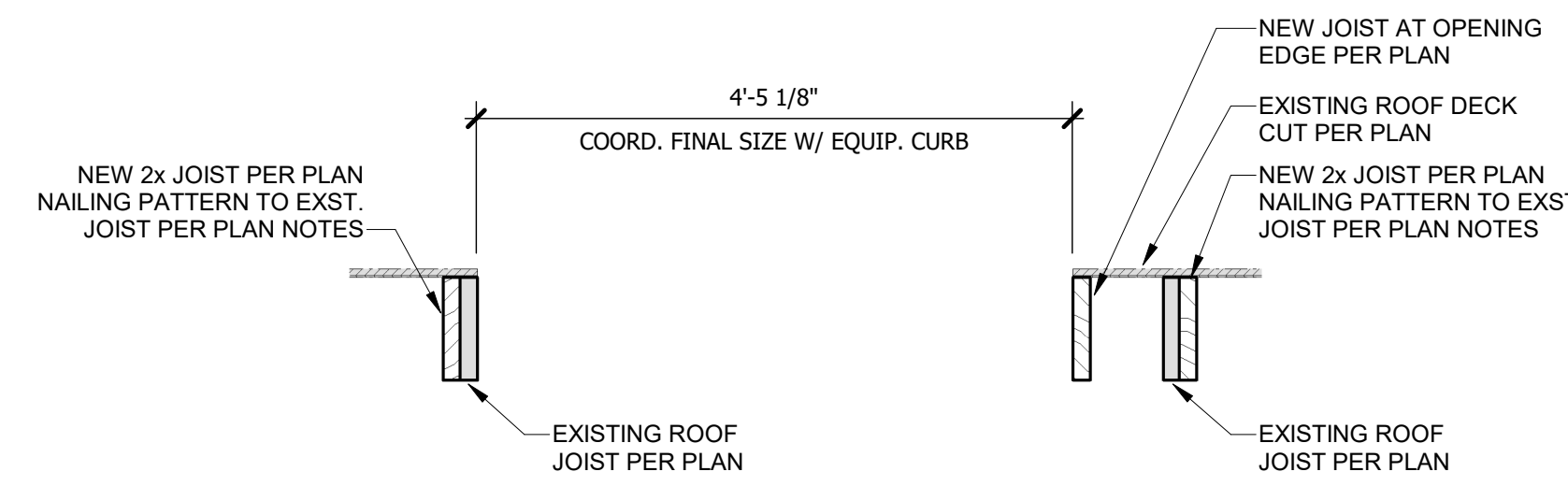
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ISSUE DATE: JULY 14, 2023  
COLLINS WEBB #: 23033

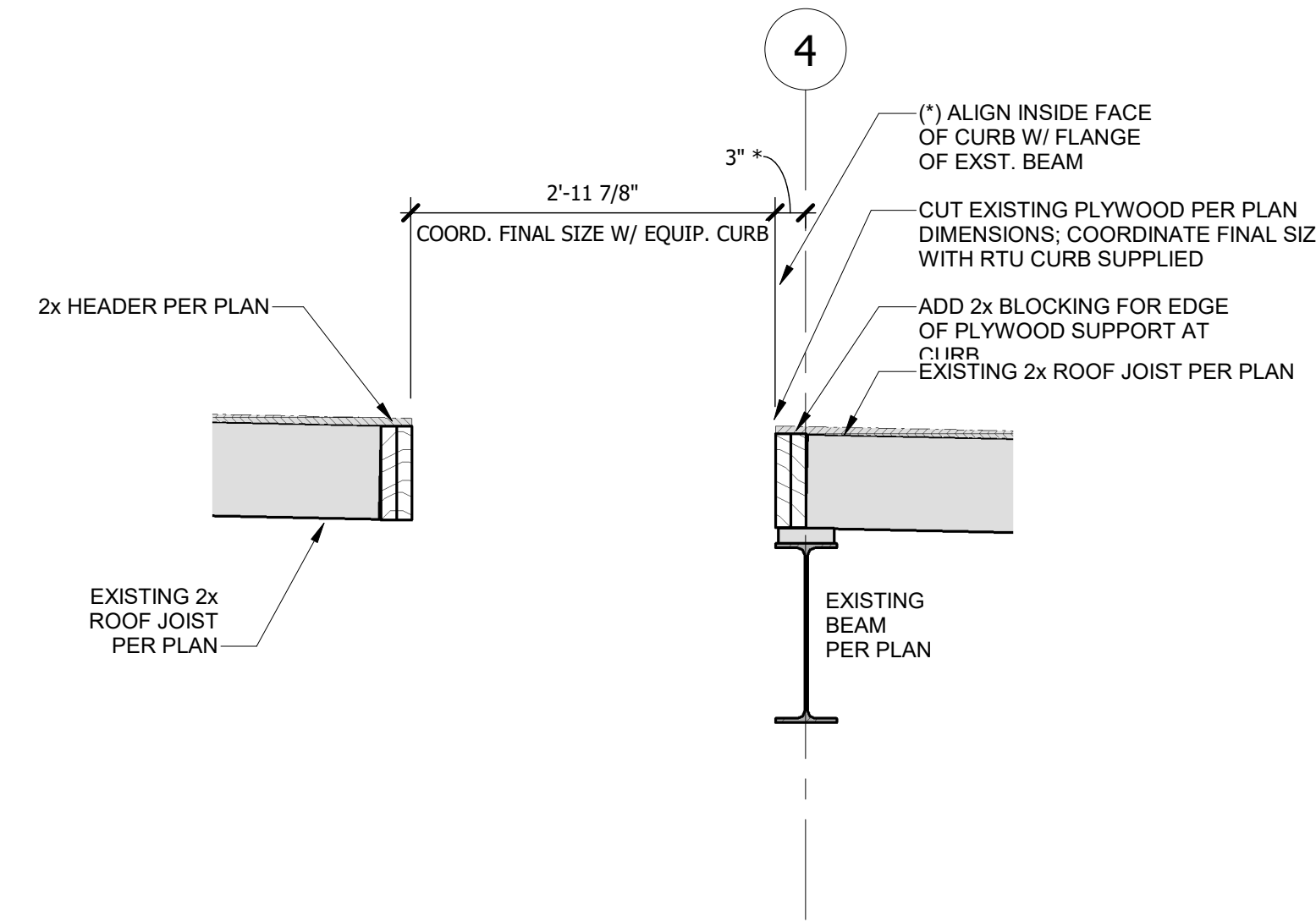
ROOF PLAN/DETAILS

## GENERAL NOTES: ROOF PLAN

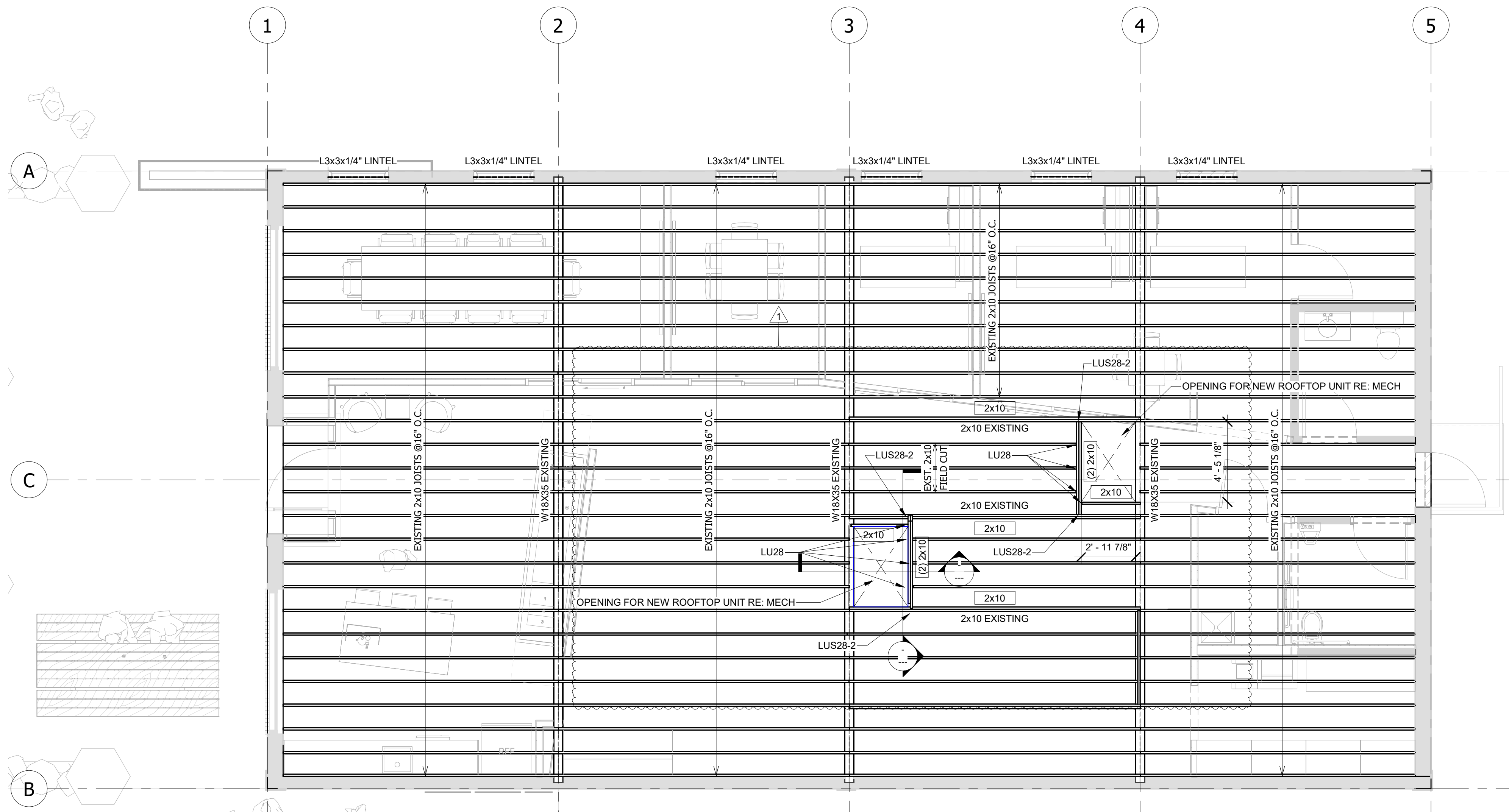
- ALL NEW WOOD FRAMING TO BE SPF #2 OR BETTER WITH THE FOLLOWING DESIGN PROPERTIES:  
A.  $F_b = 875$  PSI  
B.  $F_v = 135$  PSI  
C.  $F_c = 1150$  PSI  
D.  $E = 1400$  KSI
- LUS28-2 FASTENERS AS FOLLOWS:  
A. FACE FASTENERS - (6) 0.148x3  
B. JOIST FASTENERS - (3) 0.148x3
- LU28 FASTENERS AS FOLLOWS:  
A. FACE FASTENERS - (8) 0.148 x 3  
B. JOIST FASTENERS - (6) 0.148 x 1.5
- ALL WOOD FRAMING MEMBERS INDICATED ARE NOMINAL SIZES. PROVIDE ACTUAL DRESSED SIZES, KILN-DRIED, WITH MAXIMUM IN-PLACE MOISTURE CONTENT OF 12%.
- FASTENER QUALITY, QUANTITY, SIZE, AND SPACING SHALL COMPLY WITH IBC FASTENING SCHEDULE (TABLE 2304.10.1) UNLESS NOTED OTHERWISE.
- ALL STEEL LINTELS INDICATED SHALL BE HOT-DIPPED GALV. AND SHOP PAINTED BLACK. LENGTH OF LINTEL TO BE OPENING SIZE + 8".
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO FABRICATION.
- IF DISCREPANCIES EXIST BETWEEN CONTRACT DRAWINGS, AND/OR SHOP DRAWINGS NOTIFY THE ENGINEER OF RECORD.
- THE CONTRACTOR SHALL REVIEW DRAWINGS FROM ALL OTHER DISCIPLINES FOR PERTINENT MISC. ITEMS OR INFORMATION RELATED TO THE STRUCTURAL WORK AND COORDINATE AS REQUIRED.



3 ROOF SECTION RTU CURB 2  
3/4" = 1'-0"



2 ROOF SECTION RTU CURB  
3/4" = 1'-0"



1 ROOF PLAN  
1/4" = 1'-0"

- ALL WORK SHALL CONFORM TO 2018 INTERNATIONAL BUILDING CODE AS ADOPTED AND AMENDED BY THE CITY OF LEE'S SUMMIT, MISSOURI.
- DESIGN LOADS
  - OVERALL BUILDING CLASSIFICATIONS
    - RISK CATEGORY II
    - SNOW IMPORTANCE FACTOR,  $I_s$  1.00
    - ICE IMPORTANCE FACTOR - WIND,  $I_w$  1.00
    - SEISMIC IMPORTANCE FACTOR,  $I_e$  1.00
  - SLAB ON GRADE FLOOR LOADS
    - LIVE LOAD 100 PSF
    - CONCENTRATED LOAD 3000 LB ACTING ON AN AREA 4.5 IN. BY 4.5 IN.
  - ROOF DEAD AND LIVE LOADS
    - DEAD LOAD TOP CHORD 10 PSF
    - DEAD LOAD BOT. CHORD 5 PSF
    - LIVE LOAD TOP CHORD 20 PSF
    - LIVE-LOAD-BOT. CHORD 0 PSF (U.N.O.)
  - ROOF SNOW LOADS
    - GROUND SNOW LOAD,  $P_g$  20 PSF
    - FLAT ROOF SNOW LOAD,  $P_f$  12.6 PSF
    - SNOW EXPOSURE FACTOR,  $C_e$  0.9
    - THERMAL FACTOR,  $C_t$  1.2
    - SLOPE FACTOR,  $C_s$  0.6
    - DRIFTING PER CODE
    - MIN ROOF DESIGN SNOW LOAD W/ RAIN 25 PSF
  - WIND LOADS
    - BASIC WIND SPEED (3 SECOND GUST) 107 MPH
    - EXPOSURE CATEGORY C
    - INTERNAL PRESSURE COEFFICIENT,  $GC_{pi}$  +/- 0.18
    - COMPONENTS AND CLADDING PER ASCE 7-16.
  - SEISMIC LOADS
    - $S_s$  0.189
    - $S_1$  0.105
    - SITE CLASS C
    - $S_{DS}$  0.164
    - $S_{D1}$  0.105
    - SEISMIC DESIGN CATEGORY B
    - SEISMIC FORCE RESISTING SYSTEM WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR
  - DESIGN BASE SHEAR  $C_{SW}$
  - DESIGN RESPONSE COEFFICIENT,  $C_s$  0.025
  - RESPONSE MODIFICATION COEFFICIENT,  $R$  6.5
  - ANALYSIS PROCEDURE USED EQUIVALENT LATERAL FORCE (ELF) PROCEDURE
- ROOF RAIN LOADS
  - 60-MIN DURATION/100 YEAR RAIN INTENSITY,  $i$  3.20 IN/HR
  - 15-MIN DURATION/100 YEAR RAIN INTENSITY,  $i$  7.58 IN/HR



## GENERAL NOTES: FLOOR PLANS

- SEE GENERAL ARCHITECTURAL SHEETS FOR ADDITIONAL NOTES AND DETAILS THAT ARE APPLICABLE.
- ARCHITECTURAL ELEVATION 10'-0" 0'-0"
- DIMENSIONS SHOWN ON THE FLOOR PLAN ARE TO THE FACE OF GYP. BOARD WALL, (FGS) FACE OF MASONRY (FOM) FACE OF CONCRETE WALLS (FCO) AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.
- NOTE: WALL THICKNESSES ARE ACTUAL DIMENSIONS AND PER WALL TYPES. SEE GENERAL SHEETS.
- DOOR OPENINGS NOT LOCATED BY DIMENSION SHALL BE CENTERED IN WALL SHOWN OR LOCATED 4 INCHES FROM FINISH WALL TO HINGE SIDE OF THE DOOR, ALWAYS ALLOWING A MINIMUM OF 18" FROM THE PULL SIDE (STRIKE SIDE) OF THE DOOR TO THE INTERSECTING WALL, OR OTHER PROTRUDING OBJECTS.
- ALL ALCOVES WITHOUT A SPACE IDENTIFICATION NUMBER SHALL HAVE THE SAME FINISHES AS THE ADDJONING SPACES.
- PROVIDE FINISH LEVELS AS DESCRIBED:
  - LEVEL 1: FIRE RATED WALL AREAS ABOVE FINISHED CEILING, WHETHER OR NOT ACCESSIBLE IN THE COMPLETED CONSTRUCTION.
  - LEVEL 2:
    - AREAS WHERE SETTING TYPE COMPOUND FOR WATER RESISTANT GYPSUM BACKER OR FIBER REINFORCED WALL PANELS ARE USED.
    - ALL AREAS WHERE AN ACOUSTIC PANEL IS INSTALLED.
    - ALL OPEN TO PLENUM SPACES ABOVE CEILING.
    - OPEN TO STRUCTURE SPACES WHERE PAINTED BLACK.
    - AREAS IN MECHANICAL, ELECTRICAL AND STORAGE ROOMS.
  - LEVEL 3: OPEN TO STRUCTURE SPACES WHERE PAINTED OTHER THAN BLACK.
  - LEVEL 4:
    - AREAS WHERE ROOM SIDE WALLS AND/OR CEILING HAVE PAINTED SURFACES.
    - CIRCULATION CORRIDORS WHERE ROOM SIDE WALLS AND/OR CEILING HAVE PAINTED SURFACES.
  - LEVEL 5: NOT USED.
- RE: FINISH LEGEND, FINISH SCHEDULE AND SPECIFICATIONS FOR DOOR AND DOOR FRAME FINISHES.
- MAINTAIN AND PROTECT EXISTING EXPANSION JOINTS DURING CONSTRUCTION. PATCH/REPAIR/REPLACE TO MATCH EXISTING RATINGS AS REQUIRED.
- ALL WOOD PRODUCTS TO BE FIRE-RETARDANT, INCLUDING BLOORING AND PLYWOOD.

## GENERAL NOTES: REFLECTED CEILING PLANS

- RE: SHEET 0001 FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
- RE: DETAILS FOR ADDITIONAL CONDITIONS AND CEILING HEIGHT INFORMATION.
- RE: FINISH LEGEND AND FINISH SCHEDULE FOR ROOM CEILING FINISHES.
- RE: INTERIOR ELEVATIONS FOR LOCATION OF WALL MOUNTED LIGHT FIXTURES.
- RE: ELECTRICAL SHEETS AND SPECIFICATIONS FOR DETAILED INFORMATION ON LIGHT FIXTURE SCHEDULE.
- RE: MECHANICAL SHEETS AND SPECIFICATIONS FOR DETAILED INFORMATION ON DIFFUSERS.
- RE: MECHANICAL SHEETS FOR LOCATIONS OF SOUND ISOLATION BELOW AND OR AROUND MECH. EQUIPMENT.
- DIMENSIONS SHOWN ON THE REFLECTED CEILING PLANS ARE TO THE FACE OF GYP. BOARD (FGS) AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.
- ALL CEILING HEIGHTS AS SHOWN ON PLANS AND DETAILS ARE FROM SLAB OR TILE FLOOR FINISH TO FINISH CEILING.
- AT ALL GYP. BD. SOFFITS, EXTEND GYP. BD. UP 6 INCHES ABOVE ADJACENT CEILING.
- CEILING TILES/GRID TO BE CENTERED IN THE ROOM, UNLESS NOTED OTHERWISE.
- RECESSED LIGHTING, SPEAKERS, SMOKE DETECTORS, ETC. AND PENDANT LIGHT FIXTURES - SHALL BE CENTERED IN CEILING TILE OR GYP. BD. CEILING, UNLESS NOTED OTHERWISE.
- COORDINATE ALL PENDANT MOUNTED LIGHT FIXTURES IN EQUIPMENT AREAS WITH EXPOSED STRUCTURE.
- COORDINATE ALL CEILING MOUNTED EQUIPMENT WITH CASEWORK BELOW.
- IF THERE IS A CONFLICT BETWEEN ANY ABOVE-CEILING MECHANICAL, ELECTRICAL/PLUMBING WORK & THE SCHEDULED OR SHOWN CEILING HEIGHT, CONTACT THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
- PROVIDE OVERALL CEILING COORDINATION DRAWING SHOWING ALL DEVICES DURING SHOP SUBMITTAL PROCESS.
- ALL LIGHTING BY G.C. COORD. WITH MILLWORK CONTRACTOR FOR LOCATION.
- ALL EXPOSED CONDUIT, DUCTWORK, ETC. TO BE PAINTED BLACK, TYP.

## CEILING PLAN LEGEND

NOTE: SOME SYMBOLS MAY NOT BE USED IN THIS DRAWING OR PROJECT.

- |  |   |
|--|---|
|  | ACT-1:<br>SUSPENDED LAY-IN CEILING TILE AND EXPOSED TEE-GRID SYSTEM (4'x4')         |
|  | 5/8" GYPSUM BOARD BULKHEAD, CEILING OR SOFFIT. SEE APPLICABLE DETAILS AND SECTIONS. |
|  | RECESSED CAN LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR TYPE.                       |
|  | DECORATIVE PENDANT MOUNTED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR TYPE.         |
|  | GENERAL PENDANT MOUNTED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR TYPE.            |
|  | EMERGENCY LIGHT MOUNTED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR TYPE.            |
|  | EMERGENCY EXIT LIGHT FIXTURE (CEILING MOUNTED). SEE ELECTRICAL DRAWINGS FOR TYPE.   |
|  | EMERGENCY EXIT LIGHT FIXTURE (WALL MOUNTED). SEE ELECTRICAL DRAWINGS FOR TYPE.      |
|  | CEILING MOUNTED RETURN AIR GRILLE. SEE MECHANICAL DRAWINGS FOR TYPE.                |
|  | CEILING MOUNTED SUPPLY DIFFUSER. SEE MECHANICAL DRAWINGS FOR TYPE.                  |
|  | EXHAUST DUCT. SEE MECHANICAL DRAWINGS FOR TYPE.                                     |
|  | CEILING MOUNTED SPEAKER GRILLE. SEE ELECTRICAL DRAWINGS FOR TYPE.                   |
|  | SPRINKLER HEAD. SEE PLUMBING DRAWINGS FOR TYPE.                                     |

## KEYED NOTES: DEMO FLOOR PLAN

- REMOVE EXISTING FLOOR FINISH. PREPARE EXISTING SLAB FOR NEW FINISHES AS REQUIRED PER MANUFACTURER'S RECOMMENDATIONS.
- REMOVE ALL WALLS / CEILINGS / INTERIOR FINISHES THIS LOCATION. PREPARE EXISTING STRUCTURE FOR NEW FINISHES AS REQUIRED PER MANUFACTURER'S RECOMMENDATIONS.
- REMOVE INTERIOR DOOR, FRAME AND HARDWARE.
- REMOVE INTERIOR DOOR, EXISTING FRAME TO REMAIN.
- REMOVE EXISTING LAVATORY AND CASEWORK, PREPARE FOR NEW FIXTURE.
- REMOVE EXISTING PLUMBING FIXTURES, EQUIPMENT AND CASEWORK, CAP EXISTING PLUMBING DRAINS.
- EXISTING WALL TO REMAIN
- NEW WINDOW OPENINGS, RE: PLANS AND ELEVATIONS FOR LOCATIONS AND R.O.
- EXISTING DOOR TO REMAIN. PREPARE FOR NEW FINISHES, RE: DOOR SCHEDULE.

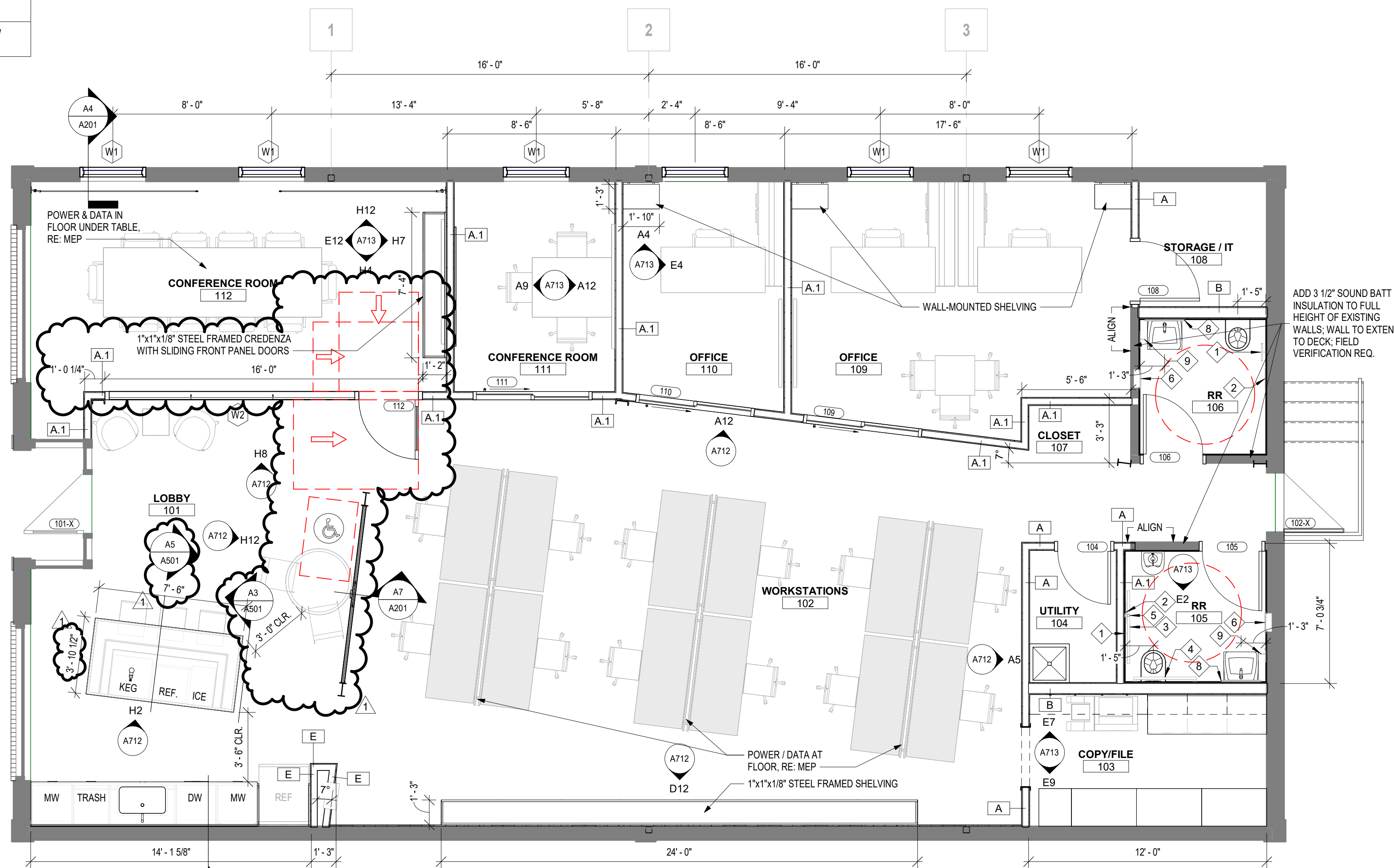
## GENERAL STEEL NOTE:

ALL NEW STEEL W-SECTIONS, C-CHANNELS, 1x SQUARE TUBE, AND PERFORATED METAL PANELS WILL BE OWNER-PROVIDED, INCLUDING STEEL FRAMING FOR ALL CASEWORK AND MILLWORK; CASEWORK AND MILLWORK PANELS, HARDWARE, AND INSTALLATION ARE G.C. SCOPE.

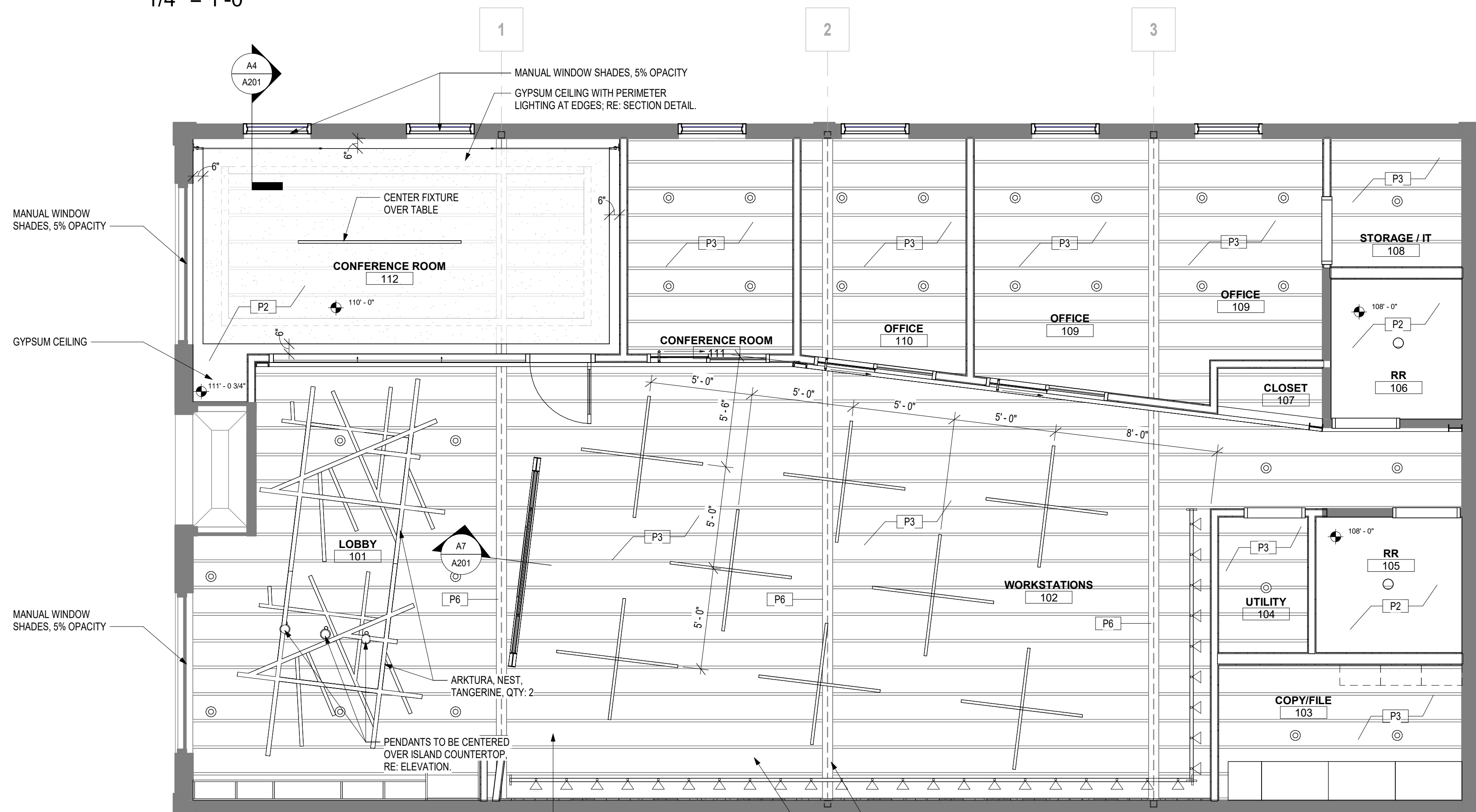
TYPE MARK	MANUFACTURER	DESCRIPTION	MODEL	FINISH	REMARKS
1	BOBRICK WASHROOM EQUIPMENT, INC.	SURFACE-MOUNTED DOUBLE TOILET ROLL HOLDER, FINO COLLECTION	B-9547	MATTE BLACK	3
2	BOBRICK WASHROOM EQUIPMENT, INC.	RECESSED SANITARY NAPKIN DISPOSAL, TRIM LINE SERIES	B-35303	MATTE BLACK	4
3	BOBRICK WASHROOM EQUIPMENT, INC.	42" GRAB BAR, 1 1/2" (38mm) DIA. WITH CONCEALED FLANGE, FINO COLLECTION	B-9806-42	MATTE BLACK	3
4	BOBRICK WASHROOM EQUIPMENT, INC.	36" GRAB BAR, 1 1/2" (38mm) DIA. WITH CONCEALED FLANGE, FINO COLLECTION	B-9806-36	MATTE BLACK	3
5	BOBRICK WASHROOM EQUIPMENT, INC.	18" GRAB BAR, 1 1/2" (38mm) DIA. WITH CONCEALED FLANGE, FINO COLLECTION	B-9806-18	MATTE BLACK	3
6	BOBRICK WASHROOM EQUIPMENT, INC.	RECESSED PAPER TOWEL DISPENSER & WASTE RECEPTACLE, TRIM LINE SERIES	B-36903	MATTE BLACK	4
8	BOBRICK WASHROOM EQUIPMENT, INC.	WELDED-FRAME MIRROR - 24" W x 48" H	B-290 2448	MATTE BLACK	3, 5
9	BOBRICK WASHROOM EQUIPMENT, INC.	RECESSED SOAP DISPENSER, TRIM LINE SERIES	B-306	MATTE BLACK	4

## GENERAL NOTES:

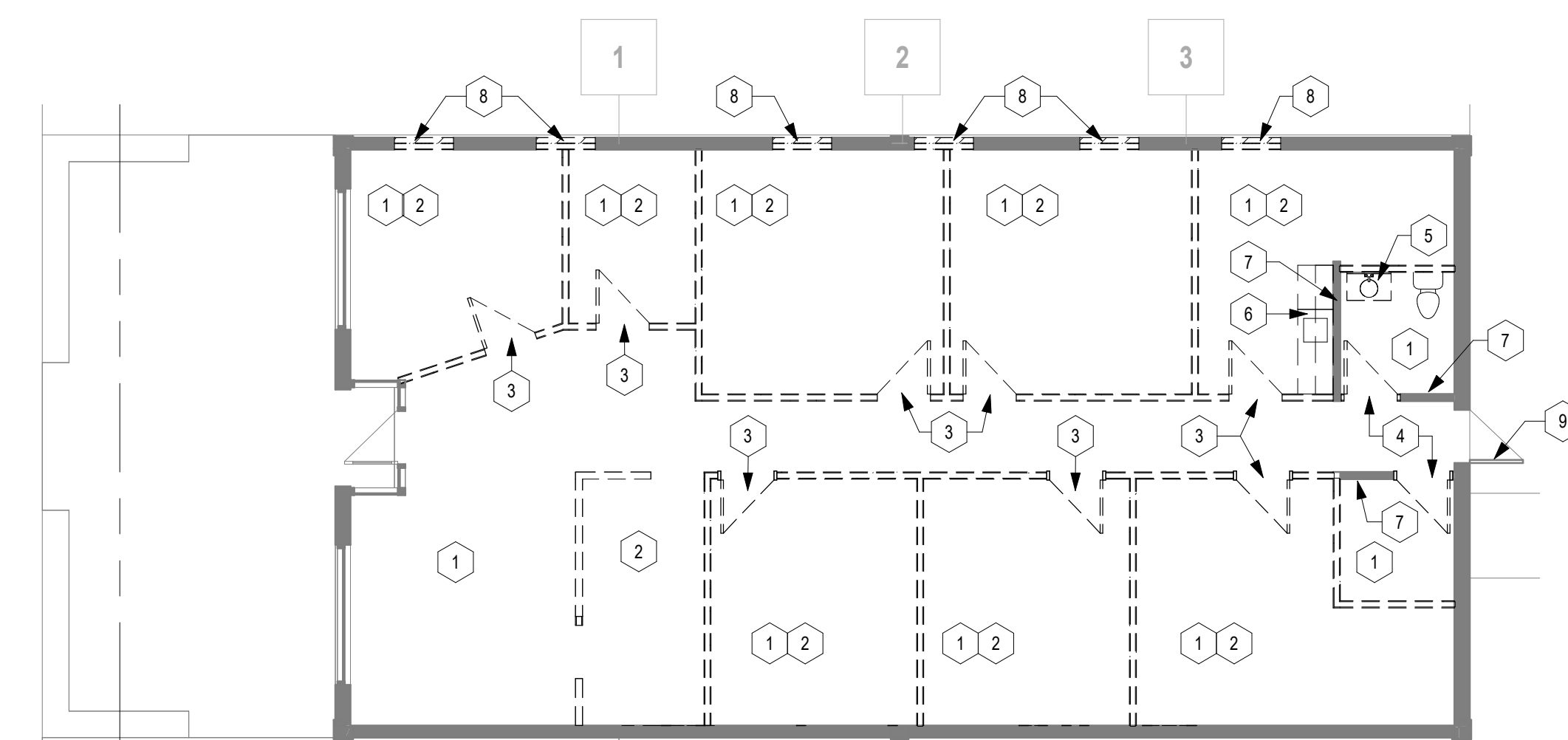
- ALL TOILET ACCESSORY LOCATIONS BASED ON FLOOR PLAN LAYOUT.
  - REFER TO INTERIOR ELEVATIONS FOR ANY ACCESSORIES THAT MAY NOT SHOW UP ON THE PLANS.
  - REFER TO 0002 AND MANUFACTURER'S SPECIFICATIONS FOR MOUNTING HEIGHTS.
  - COORDINATE ALL MOUNTING HEIGHTS W/ PLUMBING FIXTURES TO ALLOW PROPER OPERATION & INFORM ARCHITECT IN WRITING OF ANY CONFLICTS.
  - G.C. TO VERIFY DIRECTLY W/ OWNER TO DETERMINE MOUNTING HEIGHTS, U.N.O.
  - REFER TO PLANS AND ELEVATIONS FOR ITEMS NOTED AS FF&E.
- REMARKS:  
1. OWNER FURNISHED, OWNER INSTALLED.  
2. FF&E ITEM - OWNER FURNISHED, CONTRACTOR INSTALLED. REFER TO PLANS AND ELEVATIONS FOR FURTHER CLARIFICATION.  
3. SURFACE MOUNTED.  
4. RECESSED.  
5. MIRRORS TO BE CENTERED AT SINKS, TYP.



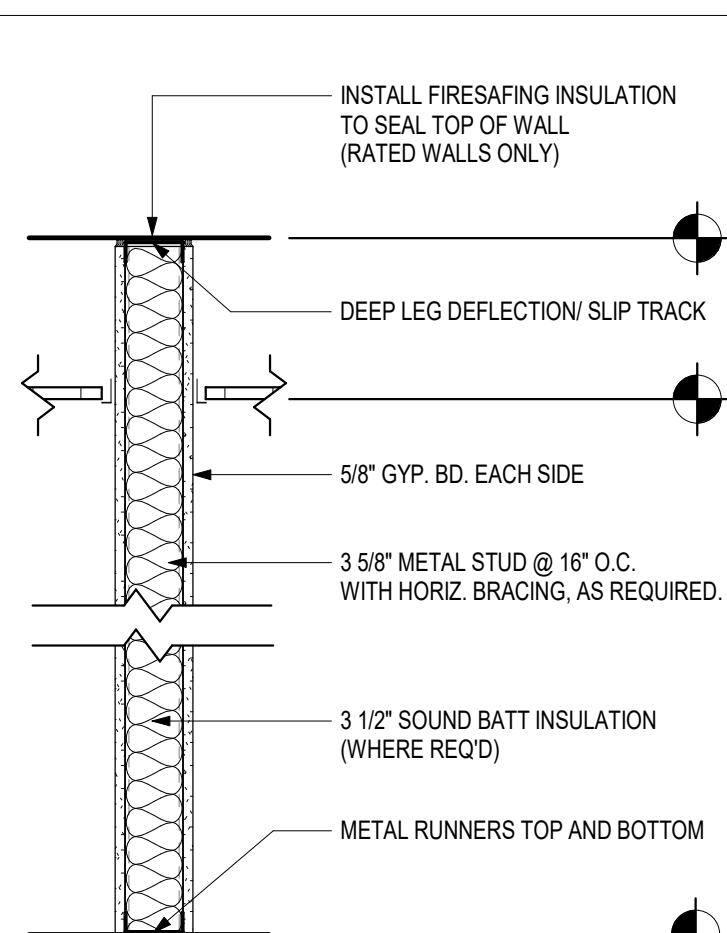
E7 1ST FLOOR PLAN  
1/4" = 1'-0"



A7 1ST FLOOR REFLECTED CEILING PLAN  
1/4" = 1'-0"

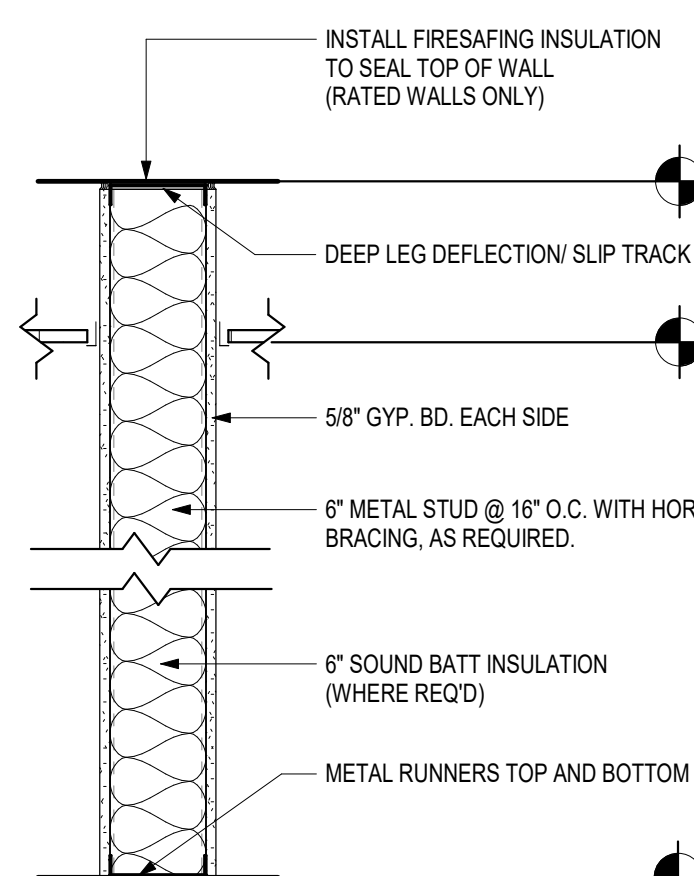


A12 1ST FLOOR DEMOLITION PLAN  
1/8" = 1'-0"



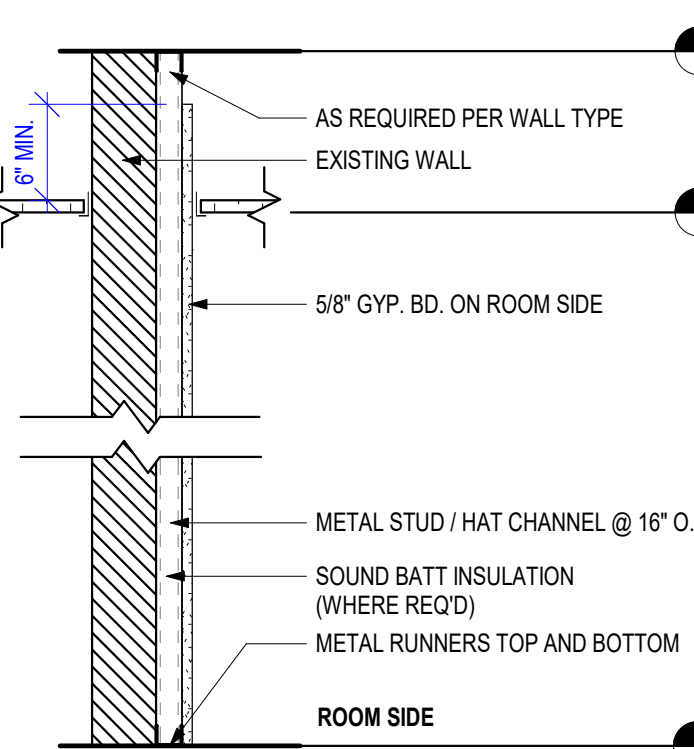
## WALL TYPE A

TYPE	WALL DESCRIPTION
A	<ul style="list-style-type: none"><li>3 5/8" METAL STUD @ 16" O.C. TO DECK ABOVE</li><li>5/8" TYPE "X" GYP. BD. EACH SIDE TO DECK ABOVE</li><li>NO SOUND BATT INSUL.</li><li>NON RATED</li></ul>
A.1	<ul style="list-style-type: none"><li>3 5/8" METAL STUD @ 16" O.C. TO DECK ABOVE</li><li>5/8" TYPE "X" GYP. BD. EACH SIDE TO DECK ABOVE</li><li>3 1/2" SOUND BATT INSUL. TO FULL HEIGHT OF WALL</li><li>ACOUSTICAL SEALANT AT FLOOR, DECK, &amp; ALL PENETRATIONS</li><li>NON RATED</li></ul>



## WALL TYPE B

TYPE	WALL DESCRIPTION
B	<ul style="list-style-type: none"><li>6" METAL STUD @ 16" O.C. TO DECK ABOVE</li><li>5/8" TYPE "X" GYP. BD. EACH SIDE TO DECK ABOVE</li><li>6" SOUND BATT INSUL. TO FULL HEIGHT OF WALL</li><li>ACOUSTICAL SEALANT AT FLOOR, DECK, &amp; ALL PENETRATIONS</li><li>NON RATED</li></ul>

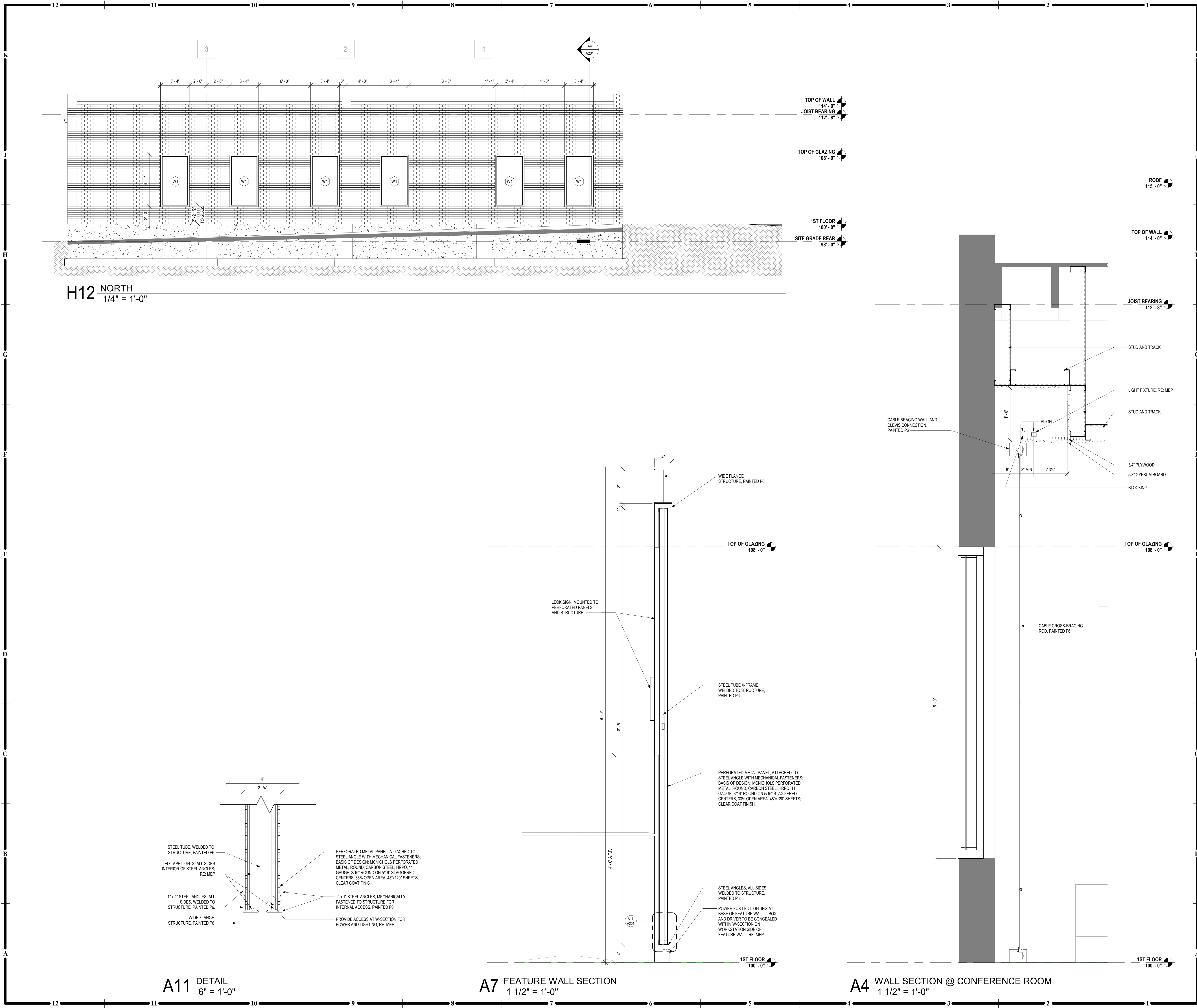


## WALL TYPE E

TYPE	WALL DESCRIPTION
E	<ul style="list-style-type: none"><li>3 5/8" METAL STUD @ 16" O.C. TO DECK ABOVE</li><li>5/8" TYPE "X" GYP. BD. ONE SIDE TO DECK ABOVE</li><li>NO SOUND BATT INSUL.</li><li>NON RATED</li></ul>



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**GENERAL NOTES:**  
**EXTERIOR ELEVATIONS**

1. RE. SHEET G001 FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
2. DIMENSIONS SHOWN ON THE EXTERIOR ELEVATIONS ARE TO THE FACE OF EXTERIOR WALL, FACE OF MASONRY (FOM), FACE OF CONCRETE WALLS (FOC), FACE OF STUD, AND COLUMN GRID LINES, UNLESS OTHERWISE NOTED OR INDICATED.
3. RE. THE WINDOW TYPES SHEET FOR ALL EXTERIOR WINDOW TYPES AND GLASS TYPES.
4. PROVIDE ALL BLOCKING AND POWER AS REQUIRED FOR EXTERIOR SIGNAGE.

**GENERAL NOTES:**  
**EXTERIOR WALL SECTIONS/ DETAILS**

1. RE. SHEET G001 FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
2. RE. FLOOR PLANS, ROOF PLAN AND ELEVATIONS FOR SECTION CUT LOCATIONS.
3. ALL WINDOW AND DOOR OPENING DIMENSIONS ARE ROUGH OPENING DIMENSIONS, UNLESS NOTED OTHERWISE.
4. DIMENSIONS SHOWN ON THE WALL SECTIONS ARE TO THE FACE OF EXTERIOR WALL, FACE OF MASONRY (FOM), FACE OF CONCRETE WALLS (FOC), AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.
5. PAINT ALL EXPOSED STEEL, INCLUDING STEEL LINTELS, ETC. (TYP.)

EXTERIOR ELEVATION MATERIALS	
	EXTERIOR INSULATION FINISH SYSTEM
	MODULAR BRICK
	BREAK METAL CHANNEL
	METAL PANEL ROOF SCREEN

RELEASED FOR CONSTRUCTION  
As Noted on Plans Review  
Development Services Department  
Lee's Summit, Missouri  
08/15/2023

**collins webb ARCHITECTURE**  
collins webb ARCHITECTURE  
307 SVV Market St., Lee's Summit, Missouri 64063 | 816.249.2270 | www.collinswebb.com

**PERMIT SET**

**LEOK OFFICE RENOVATION**  
209 SE DOUGLAS  
LEE'S SUMMIT, MO 64063

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REVISION DATES:

STATE OF MISSOURI  
SAM COLLINS  
MEMBER  
A-2017002629  
07/18/2023  
ARCHITECT

PROFESSIONAL SEAL

**A201**  
ISSUE DATE: JULY 17, 2023  
COLLINS WEBB #: 23033

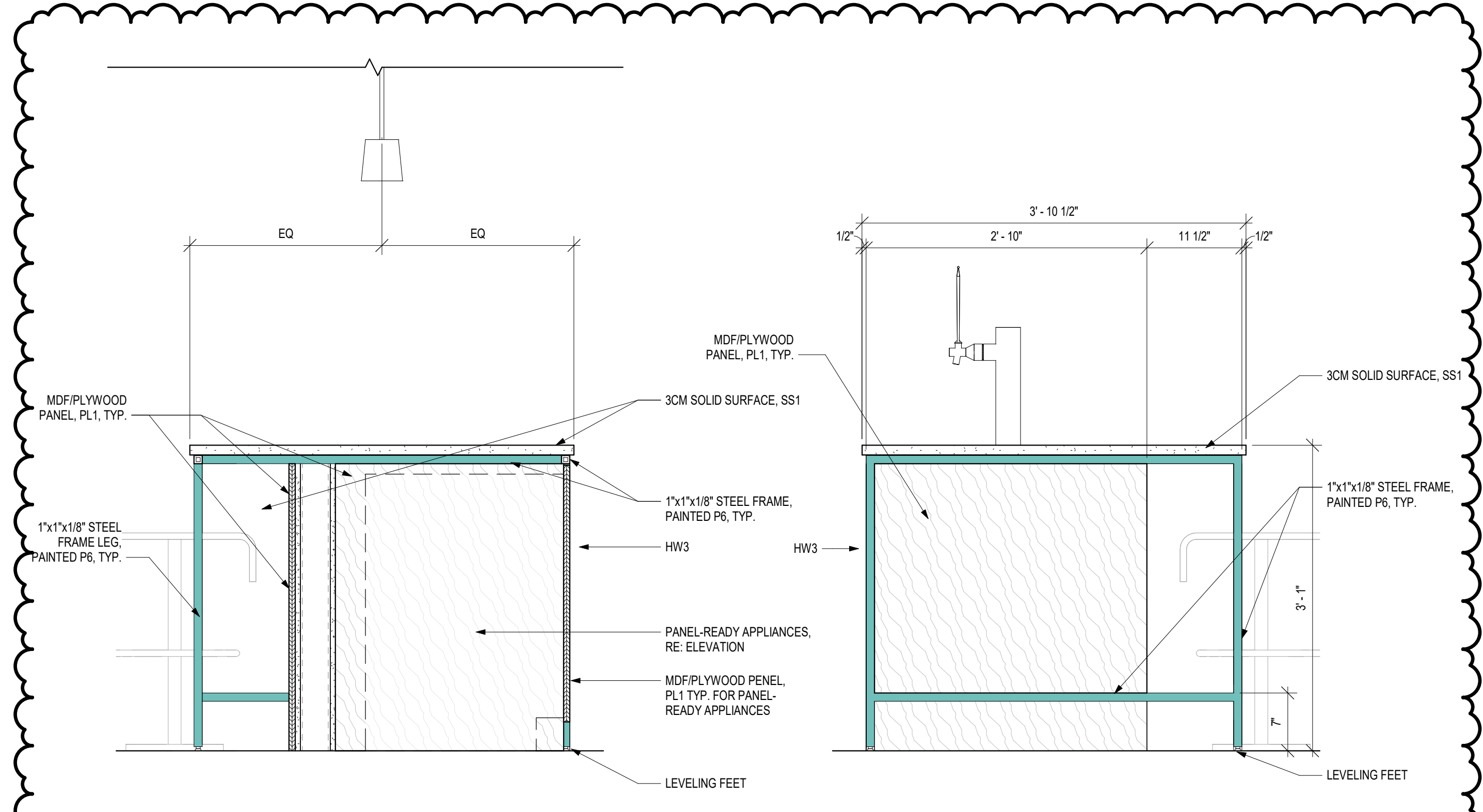
**EXTERIOR ELEVATIONS & WALL SECTIONS**



A12 1ST FLOOR - FINISH PLAN  
1/4" = 1'-0"

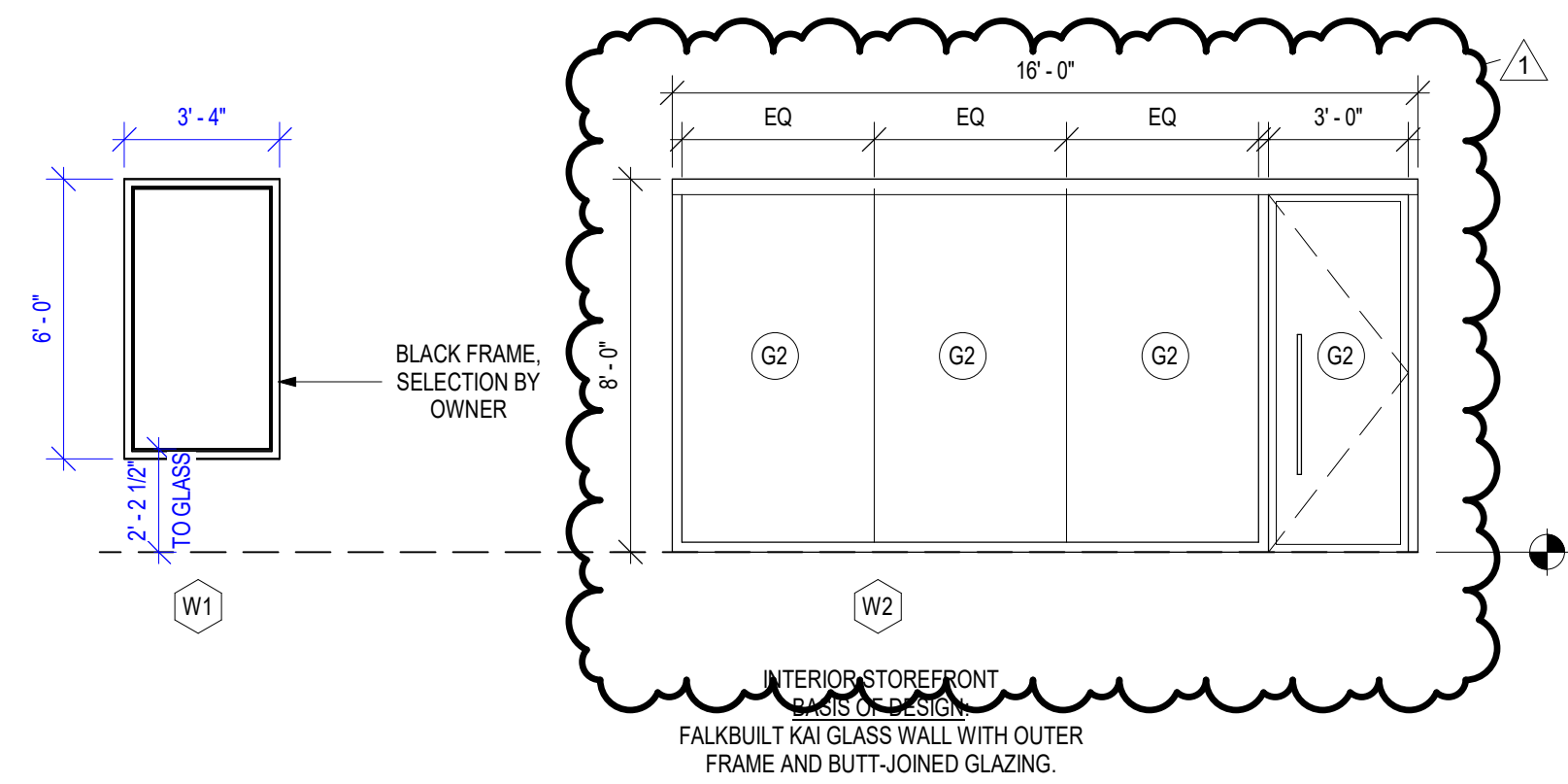


A5 SECTION - ISLAND  
1" = 1'-0"



A3 ELEVATION - ISLAND  
1" = 1'-0"

G5 DOOR & FRAME TYPE ELEVATIONS  
1/4" = 1'-0"



E5 WINDOW TYPE LEGEND  
1/4" = 1'-0"



FINISH LEGEND					
SYMBOL	MATERIAL	MANUFACTURER	TYPE	COLOR	TYP. AREA / REMARKS
FLOOR FINISH					
PC1	POLISHED CONCRETE, HIGH GLOSS	SCOFIELD	LITHOCHROME, HIGH GLOSS	PEWTER STAIN FINISH	ALTERNATE COLOR OPTION: NO STAIN, NATURAL FINISH
WALL BASE					
RB1	RUBBER BASE (4"H)	TARKETT	MONUMENT 4" MW-XX-S4	TG2 SHARK FIN CG	ALL GYP. WALLS AND AT CASEWORK TOUCHUPS U.N.O.
DOOR & FRAME FINISH					
P1	PAINT	SHERWIN WILLIAMS	SATIN ENAMEL	SW 7067 CITYSCAPE BLACK	HM DOOR FRAMES AND SCWD / HM DOORS
PWC1	POWDERCOAT	FALKBUILT	POWDERCOAT	BLACK	ALL INTERIOR ALUMINUM DOOR AND WINDOW FRAMES
WALL FINISH					
AP1	ACOUSTICAL PANEL (12"x7"x1" THICK, 60 LEFT/RIGHT TRIANGLES)	ARMSTRONG	TECTUM DESIGNART SHAPES	TBD (FIELD COLOR)	WORKSTATION FEATURE WALL, RE-ELEVATION FOR INSTALLATION PATTERN; COORDINATE FINAL PRODUCT SELECTION AND INSTALLATION PATTERN WITH TENANT
AP2	ACOUSTICAL PANEL (12"x7"x1" THICK, 60 LEFT/RIGHT TRIANGLES)	ARMSTRONG	TECTUM DESIGNART SHAPES	TBD (ACCENT COLOR)	WORKSTATION FEATURE WALL, RE-ELEVATION FOR INSTALLATION PATTERN; COORDINATE FINAL PRODUCT SELECTION AND INSTALLATION PATTERN WITH TENANT
EP1	PAINT - EPOXY	SHERWIN WILLIAMS	SATIN	SW 7650 ELLIE GRAY	RESTROOM WALLS ABOVE TILE WAJNSCOTTING
P4	PAINT	SHERWIN WILLIAMS	SATIN	SW 7005 PURE WHITE	FIELD COLOR - WALLS
P5	PAINT	SHERWIN WILLIAMS	SATIN	SW 7650 ELLIE GRAY	ACCENT COLOR - WALLS
P6	PAINT	SHERWIN WILLIAMS	SEMI-GLOSS	COLOR MATCH TO PANTONE P 124-5 C	STEEL STRUCTURAL ELEMENTS, EXISTING AND NEW, RE: PLANS, ELEVATIONS
T1	GLAZED CERAMIC WALL TILE (2"x8"x5/16")	DALTILE	LINEAR	0190 (1) ARCTIC WHITE	KITCHENETTE BACKSPLASH, VERTICAL STACK INSTALLATION
T2	GLAZED CERAMIC WALL TILE (12"x36"x7/16")	DALTILE	MATTE	GEOMETRIC AS23 - MATTE	RESTROOM WAJNSCOTTING, TO 4'-0" A.F.F., STACKED INSTALLATION
TG1	TILE GROUT - EPOXY (1/16" GROUT JOINTS)	TEC	EPOXY	927 LIGHT PEWTER	TO BE USED WITH T1, T2
MILLWORK / CASEWORK					
HW1	STEEL BAR 3" CABINET DOOR / DRAWER (NO USED)	LIBERTY	3" CENTER TO CENTER	BAR076W-SS-CP STAINLESS STEEL	KITCHEN CASEWORK DOORS AND DRAWERS - REFINISHED
HW2	12" CENTER APPLIANCE PULL (NO USED)	AMEROCK	12" CENTER TO CENTER APPLIANCE PULL	RP4008SS STAINLESS STEEL	PANEL READY DISHWASHER
PL1	PLASTIC LAMINATE	WILSONART	PLASTIC LAMINATE	Q4055 LOGAN PASS MATCH TO PL1	CASEWORK COUNTERTOPS AND UNDERCOUNTERS HAVE MATCHING LAMINATE EDGEBANDING
SS1	SIMULATED STONE / QUARTZ	WILSONART	3CM, POLISHED	Q4055 LOGAN PASS	COUNTERTOPS; SQUARE EDGE
WD1	SOLID WOOD PLANK		1-1/2" THICK WHITE OAK		WOOD SHELVES AT PRIVATE OFFICES
CEILING FINISH					
P2	PAINT	SHERWIN WILLIAMS	FLAT	SW 7757 HIGH REFLECTIVE WHITE	GYP CEILING / SOFFITS
P3	PAINT - DRYFALL	SHERWIN WILLIAMS	DRYFALL	SW 6258 TRICORN BLACK	OPEN TO STRUCTURE
WALL PROTECTION					
CG1	CORNER GUARD - ALUMINUM (3/4" x 3/4")		FULL HEIGHT	BLACK	HIGH PROFILE AREAS, SEE FINISH FLOOR PLANS FOR LOCATIONS
FRP1	FIBER REINFORCED PANEL / RIGID SHEET WALLCOVERING (.06")	INPRO	SMOOTH FINISH	TBD	UTILITY ROOM AT MOP SINK, TO 4'-0" A.F.F.

ROOM FINISH SCHEDULE											
RM. NO.	ROOM NAME	FLOORS		WALL FINISH				CEILING FINISH	CASEWORK		
		FLOOR	WALL BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL		COUNTERTOP	BASE CABINET	UPPER CABINET
101	LOBBY	PC1	RB1	P3,P4,P6	P3,P4,P6	P3,T1	P3,P4,P6	P3	SS1	PL1	PL1
102	WORKSTATIONS	PC1	RB1	P3,P4,P6	P3,P4,P6	P3,AP1,AP2	P3,P4,P6	P3	PL1	PL1	PL1
103	COPY/FILE	PC1	RB1	P3,P4	P3,P4	P3,P4	P3,P4	P3	SS1	PL1	PL1
104	UTILITY	PC1	RB1	P3,P4	P3,P4	P3,P4,FRP1	P3,P4,FRP1	P3	-	-	-
105	RR	PC1	-	EP1,T2	EP1,T2	EP1,T2	EP1,T2	P2	-	-	-
106	RR	PC1	-	EP1,T2	EP1,T2	EP1,T2	EP1,T2	P2	-	-	-
107	CLOSET	PC1	RB1	P3	P3	P3	P3	P3	-	-	-
108	STORAGE / IT	PC1	RB1	P3,P4	P3,P4	P3,P4	P3,P4	P3	-	-	-
109	OFFICE	PC1	RB1	P3,P4	P3,P4	P3,P4	P3,P4	P3	-	-	-
110	OFFICE	PC1	RB1	P3,P4	P3,P4	P3,P4	P3,P4	P3	-	-	-
111	CONFERENCE ROOM	PC1	RB1	P3,P4	P3,P4	P3,P4	P3,P4	P3	-	-	-
112	CONFERENCE ROOM	PC1	RB1	P3	P3	P3	P3	P2	PL1	PL1	-

GENERAL NOTE:

FINISH MATERIALS TO BE PROCURED FROM OWNER SELECTED / SPECIFIED VENDOR, AS LISTED ABOVE. ALTERNATES OR SUBSTITUTIONS WILL NOT BE ACCEPTED.

GENERAL NOTES:

DOOR SCHEDULE

DESIGNATION NUMBER	DESCRIPTION
(G1)	1" INSULATED TEMPERED GLAZING
(G2)	1/4" TEMPERED GLAZING, CLEAR

GLASS TYPE LEGEND

DESIGNATION NUMBER	DESCRIPTION
(G1)	1" INSULATED TEMPERED GLAZING
(G2)	1/4" TEMPERED GLAZING, CLEAR

GENERAL NOTES:

INTERIOR FINISHES

- RE: SHEET G001 FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
- RE: G002 FOR ACCESSIBILITY GUIDELINES.
- RE: A700 SERIES SHEETS FOR ADDITIONAL WALL FINISH CLARIFICATION.
- HOLLOW METAL FRAMES SHALL RECEIVE SEMI-GLOSS FINISH. WHERE WALL COLOR IS DIFFERENT ON EACH SIDE OF THE HOLLOW METAL FRAME, PAINT FRAME TO MATCH CORRIDOR WALL, UNLESS NOTED OR SHOWN OTHERWISE.
- CONTINUE WALL FINISH AS SCHEDULED BEHIND EQUIPMENT.
- ALL EXPOSED CASEWORK SURFACES SHALL BE FINISHED PLASTIC LAMINATE AS SCHEDULED, U.N.O.
- ALL PLASTIC LAMINATE DOOR AND DRAWERS TO RECEIVE 3MM PVC EDGEBANDING.
- ALL BACKSPLASH MATERIAL SHALL MATCH COUNTERTOP MATERIAL.
- WHERE TWO MODULAR TILES (PORCELAIN, MARBLE, OR QUARRY) OF VARYING THICKNESSES MEET, THE SETTING BED FOR THE THINNER TILE SHALL BE BUILT UP TO ENSURE THAT THE FACES OF THE DIFFERENT TILES ARE FLUSH.
- TRANSITION ALL WALL FINISHES/COLOR CHANGES AT INSIDE CORNERS, UNLESS NOTED OTHERWISE (U.N.O.).
- TRANSITION WALL BASE AT INSIDE CORNERS, U.N.O.
- INSTALL METAL TRANSITION STRIP WHERE WALL TILE MEETS PAINTED GYP. SO. WALL IN ALL VERTICAL AND/OR HORIZONTAL CONDITIONS, U.N.O.

ROOM FINISH

SCHEDULE REMARKS:

AREAS WITH MULTIPLE DESIGNATED FINISHES, RE: FINISH FLOOR PLANS & INTERIOR ELEVATIONS FOR ADDITIONAL CLARIFICATION.

- PROVIDE FRP TO 4'-0" AFF.

GENERAL NOTES:

FLOOR FINISH PLANS

- RE: SHEET G001-T1, FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
- RE: FINISH LEGEND, FINISH SCHEDULE, AND FLOOR FINISH PLANS FOR SPECIFIC FLOOR FINISH INFORMATION AND LOCATIONS.
- FLOOR FINISHES SHOWN ARE FOR ACCENT CLARIFICATION ONLY. RE: FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- FLOOR FINISH PATTERN SHALL BE CENTERED IN ROOM, UNLESS NOTED OTHERWISE.
- ALIGN ALL WALL TILE JOINTS WITH FLOOR TILE JOINTS, UNLESS NOTED OR SHOWN OTHERWISE.
- FLOOR FINISH MATERIAL AND/OR PATTERN SHALL BE INSTALLED UNDER TOE KICKS OF CASEWORK/MILLWORK, UNDER OPEN COUNTERTOPS, AND UNDER EQUIPMENT.
- FLOOR MATERIAL/COLOR TRANSITIONS TO ALIGN WITH ROOM SIDE OF DOOR STOP, UNLESS NOTED OR SHOWN OTHERWISE.
- INSTALL TRANSITION STRIPS AT ALL FLOOR FINISH MATERIAL CHANGES, UNLESS NOTED OTHERWISE.

WALL FINISH / WALL

PROTECTION PLANS:

- RE: G-SHEETS - FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
- RE: FINISH LEGEND & FINISH SCHEDULE FOR SPECIFIC FINISH INFORMATION & LOCATIONS.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING FOR WALL PROTECTION ATTACHMENT. THIS INCLUDES, BUT IS NOT LIMITED TO: HANDRAILS/POSTER CASES, TV MONITORS, BATHROOM ACCESSORIES, FIRE EXTINGUISHERS AND EQUIPMENT. RE: ROUGH CARPENTRY SPECIFICATION SECTION FOR CLARIFICATION.
- CONTRACTOR SHALL PROVIDE MANUFACTURER'S STANDARD ACCESSORY MOLDING OR TRIM FOR WALL PROTECTION ITEMS, UNLESS NOTED OTHERWISE.

WALL FINISH LEGEND

WALL PROTECTION CORNER GUARD (CG)	ACCENT PAINT (P)
ACOUSTICAL PANEL (AP)	WALL TILE (T)
WALL PROTECTION (FRP)	ROLLER SHADES: MANUAL MECH0015 SYSTEM W/ MECH010 SCRD 1100 SERIES 1% - CHARCOAL (1612)

NOT ALL WALL FINISHES ARE GRAPHICALLY SHOWN. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR SPECIFIC LOCATIONS AND MATERIALS.

3000 GRIT POLISHED CONCRETE FLOOR SPECS:

- SEAL ALL CRACKS & JOINTS W/ CLEAR POLYUREAEP-85 (TWO PART) TO SPECIFICATIONS.
- GRIND WITH 30 GRIT METAL PAD.
- GRIND WITH 70 GRIT METAL PAD.
- GRIND WITH 120 GRIT METAL PAD.
- WASH AREA.
- CONSOLIDATE LS (HARDENER) SATURATION.
- POLISH WITH 100 GRIT RESIN PAD.
- POLISH WITH 200 GRIT RESIN PAD.
- POLISH WITH 400 GRIT RESIN PAD.
- POLISH WITH 600 GRIT RESIN PAD.
- WASH AREA.
- CONSOLIDATE LS GUARD (SEALER) SATURATION.
- BUFF PASS W/ 800 GRIT RESIN PAD.
- BUFF PASS W/ 3000 GRIT RESIN PAD.

- SCOPE OF WORK:
  - FILL CONSTRUCTION JOINTS WITH JOINT FILLER.
  - BEGIN CONCRETE GRINDINGS WITH 30 GRIT METAL-BOND DIAMONDS.
  - FOLLOWED BY TWO ADDITIONAL PASSES WITH 70 & THEN 120 METAL-BOND DIAMOND PASSES.
  - APPLY CONCRETE LS GUARD HARDENER/SEALER @ 400 SF/GAL.
  - BEGIN POLISHING CONCRETE WITH 100, THEN 200, THEN 400 AND THEN 800 GRIT RESIN-BOND DIAMOND PADS.
  - WASH AREA.
  - APPLY FINAL COAT OF LS GUARD @ 1000 SF/GAL.
  - FINAL POLISH WITH 800 AND THEN 3000 GRIT RESIN-BOND POLISHING PADS.
  - CLEAN WORK AREA AFTER COMPLETION.

FLOOR FINISH LEGEND

PC1: CONCRETE
---------------

NOT ALL FLOOR FINISHES ARE GRAPHICALLY SHOWN. ONLY THOSE FOR TRANSITION CLARIFICATION.

- City Comments & 08.08.2023  
VE Revisions



## GENERAL NOTES: INTERIOR DETAILS

1. REE SHEET 6001 FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
2. REE SHEET 602 ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHTS OF FIXTURES AND ACCESSORIES.
3. REE A501 FOR FINISHES AND FINISH SCHEDULE FOR SPECIFIC FINISH INFORMATION AND LOCATIONS.
4. REE A502 FOR FLOOR FINISHES, TRANSITION WALL FINISH CLARIFICATIONS.
5. REE SHEET A501 FOR REVEAL AND CONTROL JOINT DETAILS, TRANSITION DETAIL AND FLOOR TRANSITION WALLS, BASE DETAILS.
6. REE SHEET A101 FOR REVEAL ACCESSORY SCHEDULE, PROGRAM BOARD CONTROL, TRANSITION DETAIL AT DOOR HEADERS WHERE EXPOSED FINISHED GYPSUM BOARD EXCEEDS 30 FEET (9.1M) \* UNLESS SHOWN OTHERWISE. JOINTS TO BE CUT UP WITH BOARD JOINTS TO BE CUT UP WITH BOARD JOINTS 40" (10.16M) OVER AND ALL DOORS THAT ARE LEAD LINED CONTROL JOINTS NOT NECESSARY AT WALLS WHERE ELECTRICAL WALL COVERINGS ARE USED.
7. CONTINUE WALL FINISH AS SCHEDULED BEHIND ALL FURNITURE AND EQUIPMENT, INCLUDING UNDER OPEN COUNTERS.
8. TRANSITION ALL WALL BASE AND BASE FINISHES, AND/OR COLOR CHANGES AT INSIDE CORNERS, UNLESS NOTED OTHERWISE. TO BE CUT UP WITH BOARD JOINTS TO BE CUT UP WITH BOARD JOINTS 40" (10.16M) OVER AND ALL DOORS THAT ARE LEAD LINED CONTROL JOINTS NOT NECESSARY AT WALLS WHERE ELECTRICAL WALL COVERINGS ARE USED.
9. CONTINUE WALL BASE AT ALL WALLS, FURRED OUT COLUMNS & COLUMN COVERS, AND AT ALL CASEWORK TIE KICKS, SIDE PANELS AND UNDER OPEN COUNTERS, UNLESS NOTED OTHERWISE.
10. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO START OF CASEWORK.
11. CONTRACTOR SHALL PROVIDE A INSTALL GRIMMETS AT 48" O.C. MAX. AT ALL WORK STATIONS WITH OPEN KNEE SPACE. COORDINATE LOCATIONS WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR OUTLET LOCATIONS. COLOR TO BE SELECTED BY ARCHITECT.
12. CONTRACTOR SHALL PROVIDE COUNTERTOP BRACKETS AT OPEN KNEE SPACES WIDER THAN 42" (10.7M). CENTER IN OPEN AREA AND PAINT TO MATCH WALL COLOR, UNLESS NOTED OTHERWISE.
13. ALIGN ALL WALL THE JOINTS WITH FLOOR TILE JOINTS, UNLESS NOTED OR SHOWN OTHERWISE.
14. TO BE CUT UP WITH BOARD JOINTS TO BE CUT UP WITH BOARD JOINTS 40" (10.16M) OVER AND ALL DOORS THAT ARE LEAD LINED CONTROL JOINTS NOT NECESSARY AT WALLS WHERE ELECTRICAL WALL COVERINGS ARE USED.
15. SUPPLY & ELEC. SYMBOLS AND OUTLETS ARE SHOWN FOR REFERENCE ONLY. COORDINATE LOCATIONS WITH MEP DRAWINGS. CONSULT ARCHITECT FOR CLARIFICATION, IF NECESSARY.

**GENERAL NOTES:  
CASEWORK**

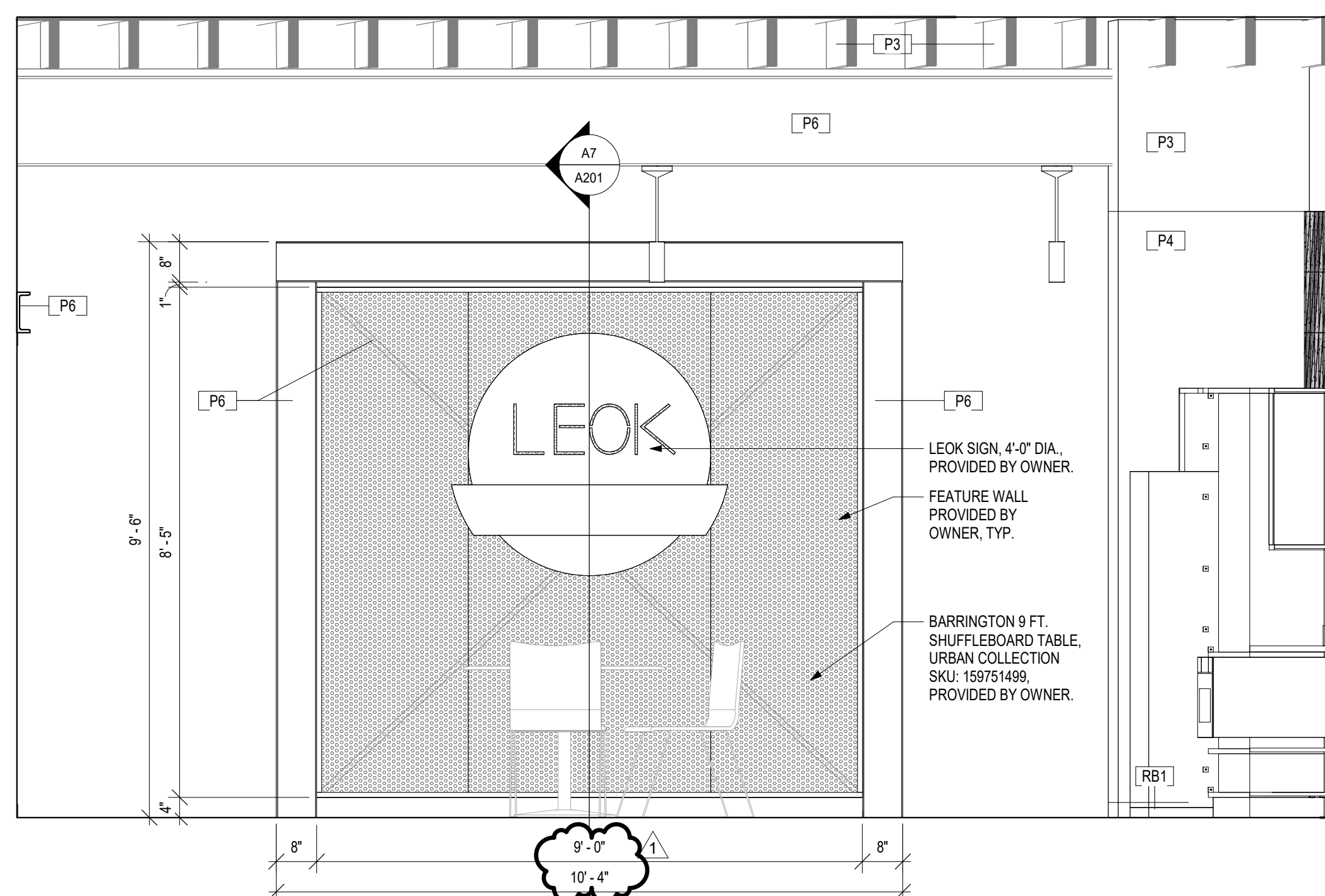
1. RE' FINISH LEGEND AND FINISH SCHEDULE FOR SPECIFIC FINISH INFORMATION AND LOCATIONS
2. ALL MILL/WORKSHOP CONSTRUCTION SHALL MEET MINIMUM STANDARDS FOR FINISHED OR SPECIFIED OTHERWISE
3. ALL EXPOSED MILL/WORKSHOP SURFACES SHALL BE FINISHED TO WASTELAMINATE OR MATCH ADJACENT PLASTIC LAMINATE SURFACES, UNLESS NOTED OTHERWISE
4. ALL CONCRETE INTERIORS SHALL BE WHITE, LAMINATE, UNLESS NOTED OTHERWISE
5. ALL FILLER PANELS SHALL BE 1/2-INCH MINIMUM, FINISHED TO MATCH ADJACENT FINISH SURFACES, AND SUBMITTED TO FIT ADJACENT WALL, UNLESS NOTED OTHERWISE
6. MATCH BACKSHINES FINISHES SHALL MATCH COUNTERTOP FINISHES AND FINISH LAMINATE SURFACES. PLASTIC LAMINATE SIDE/BACKSHINES TO HAVE SELF EDGE LAMINATE, UNLESS NOTED OTHERWISE
7. CONTRACTOR SHALL APPLY AN ADHESIVE RESISTANT SILICONE SEALANT WHERE BACKSHINE MEETS WALLS AND COUNTERTOP
8. THE UNDERSIDE OF COUNTERTOPS WITH KNIEE OPENINGS, MUST HAVE A WHITE LAMINATE FINISH, UNLESS NOTED OTHERWISE
9. WATER AND SUPPLY DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHIELD OR ABRASSIVE SURFACES UNDER LAVATORIES AND SINKS

**GENERAL STEEL NOTE:**

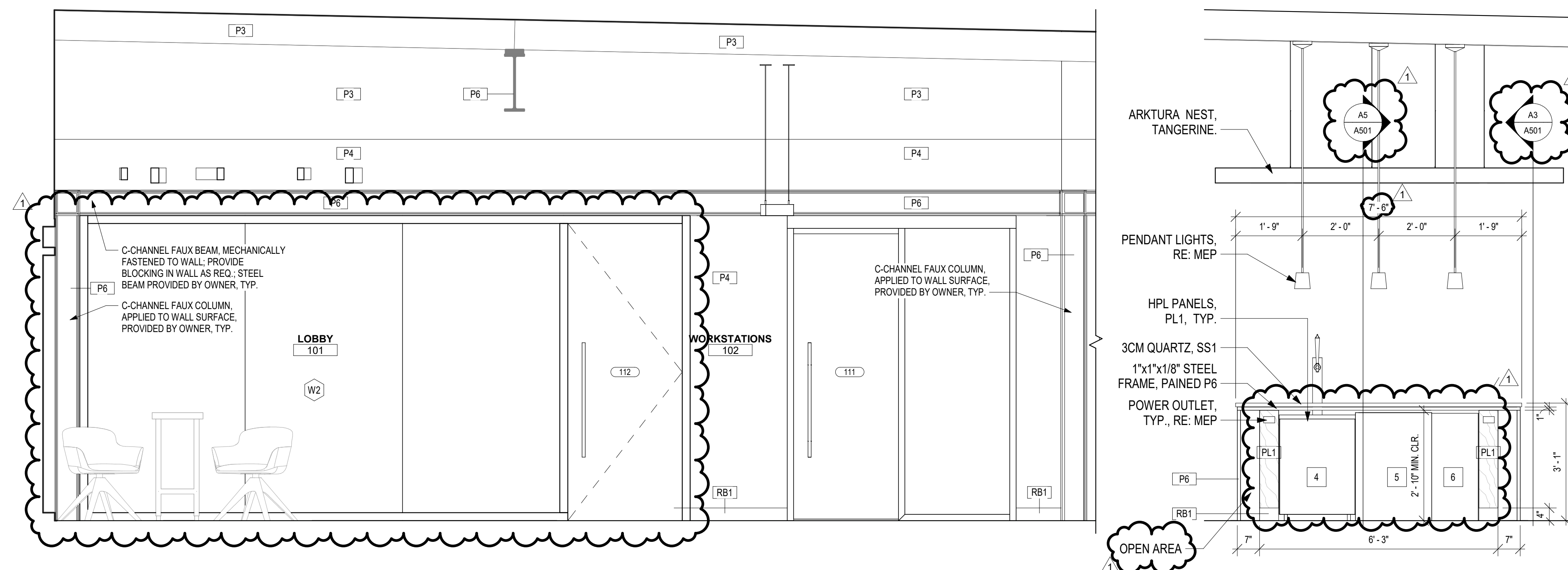
ALL NEW STEEL W-SECTIONS,  
C-CHANNELS, 1x SQUARE TUBE,  
AND PERFORATED METAL  
PANELS WILL BE OWNER-  
PROVIDED, INCLUDING STEEL  
FRAMING FOR ALL CASEWORK  
AND MILLWORK; CASEWORK  
AND MILLWORK PANELS,  
HARDWARE, AND INSTALLATION  
ARE G.C. SCOPE.

## APPLIANCE LEGEND

1	REFRIGERATOR, WHIRLPOOL 20CU FT. FRENCH DOOR, STAINLESS STEEL, MODEL: WRF5650M1H
2	MICROWAVE DRAWER, SHARP, STAINLESS STEEL, MODEL: SM02470AS, QTY: 2
3	DISHWASHER DRAWER, PANEL-READY, FISHER & PAYKEL, MODEL: DD24ST6XH01
4	KEGERATOR AND 2-TAP, KESCO, STAINLESS STEEL, MODEL: K20SSS-2NK
5	UNDERCOUNTER BEVERAGE COOLER, NEWAIR, STAINLESS STEEL, MODEL: NWB18GSS00
6	UNDER COUNTER ICE MAKER, WHIRLPOOL, STAINLESS STEEL, MODEL: WUJ75K15Z

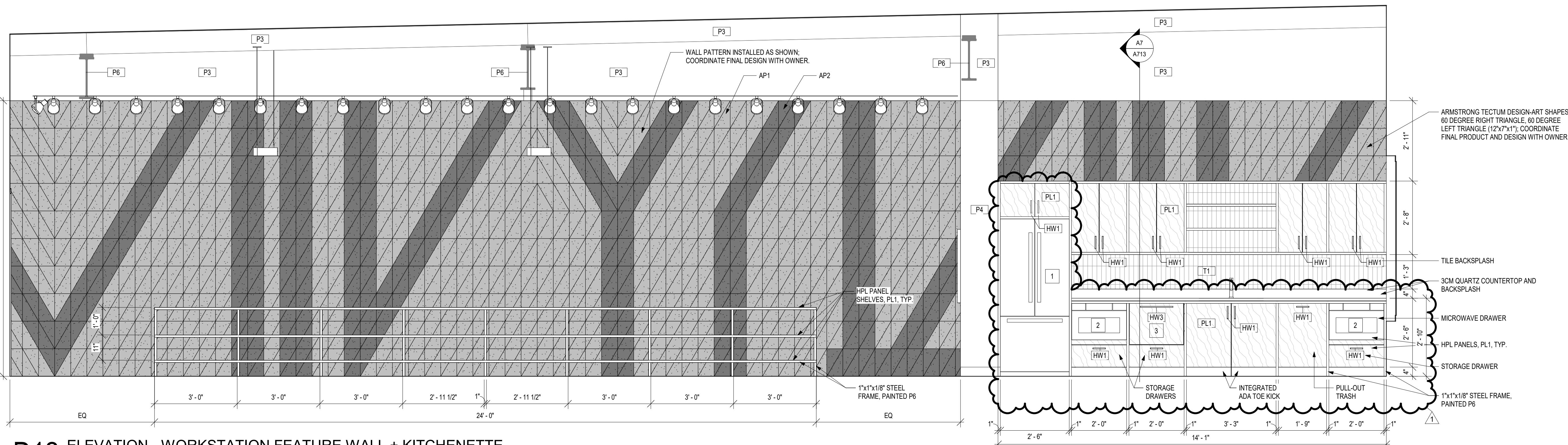


H12 ELEVATION - LOBBY FEATURE WALL  
1/2" = 1'-0"

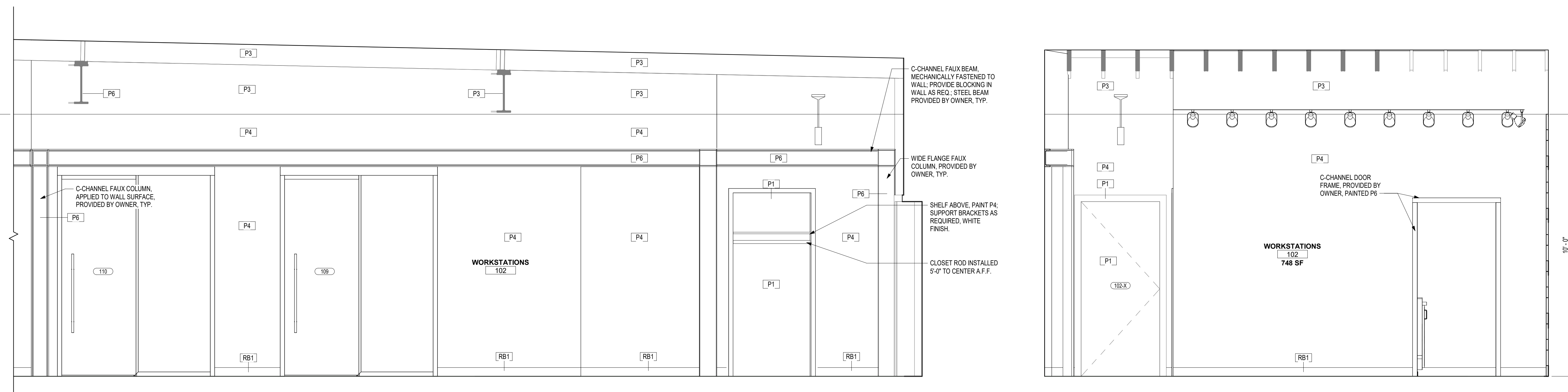


H8  $\frac{\text{ELEVATION - LOBBY}}{1/2" = 1'-0"}$

H2  $\frac{\text{ELEVATION - ISLAND}}{1/2" = 1'-0"}$



D12 ELEVATION - WORKSTATION FEATURE WALL + KITCHENETTE  
1/2" = 1'-0"



A12 ELEVATION - WORKSTATIONS NORTH  
1/2" = 1'-0"

**A5** ELEVATION - WORKSTATIONS EAST  
1/2" = 1'-0"



## GENERAL NOTES: INTERIOR DETAILS

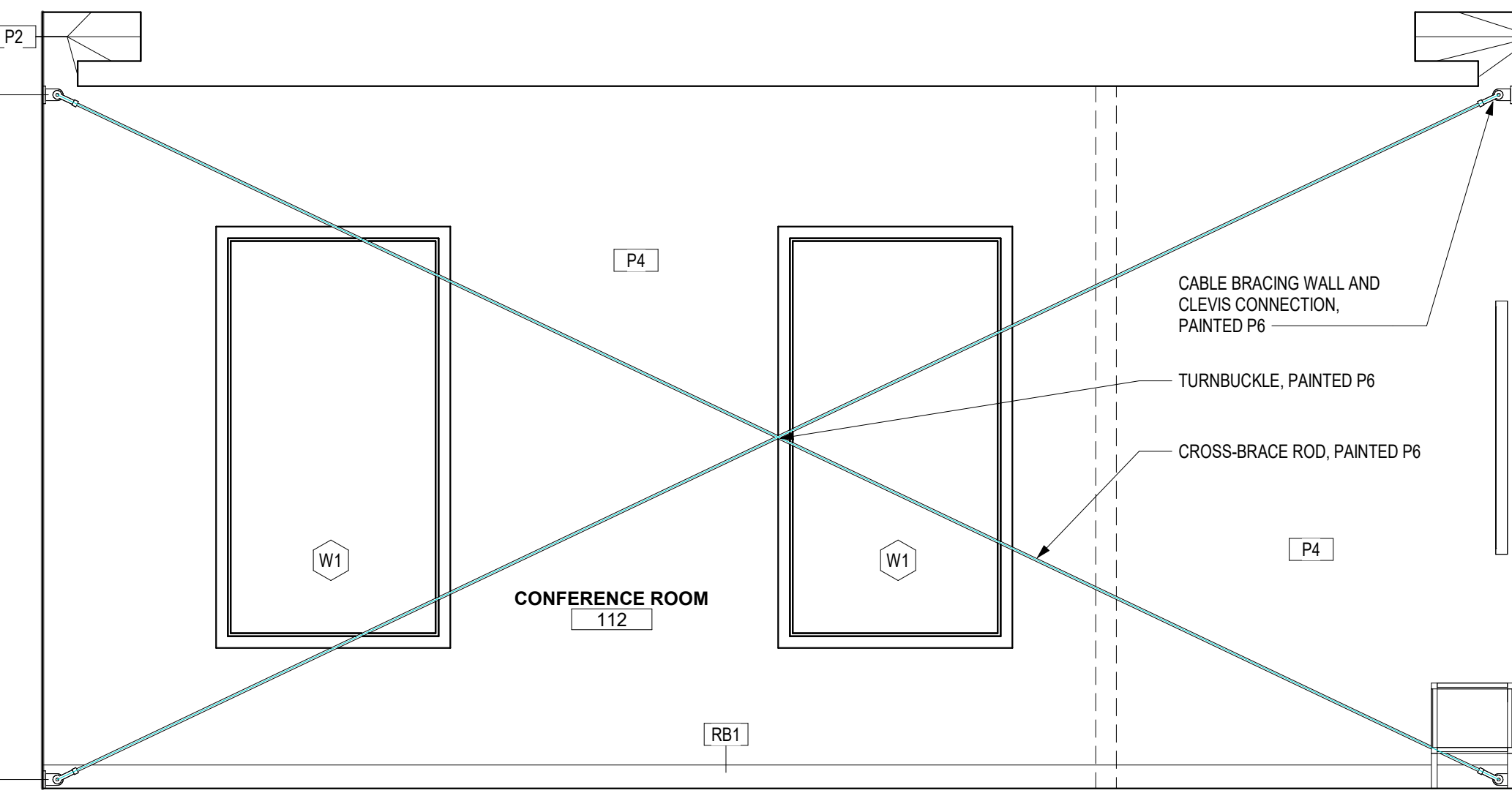
1. RE: SHEET G001 FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
2. RE: SHEET G002 ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHTS OF FIXTURES AND ACCESSORIES.
3. RE: A501 FOR FINISH LEGEND AND FINISH SCHEDULE FOR SPECIFIC FINISH INFORMATION AND LOCATIONS.
4. RE: A501 FINISH FLOOR PLANS FOR ADDITIONAL WALL FINISH CLARIFICATIONS.
5. RE: SHEET A501 FOR REVEAL AND CONTROL JOINT DETAILS, WALL PROTECTION DETAILS, AND FLOOR TRANSITION/ WALL BASE DETAILS.
6. RE: SHEET A101 FOR TOILET ACCESSORY SCHEDULE. PROVIDE GYPSUM BOARD CONTROL JOINTS AT DOOR HEADERS WHERE EXPOSED FINISHED GYPSUM BOARD EXCEEDS 30 FEET (TYP.), UNLESS SHOWN OTHERWISE. JOINTS TO BE LINED UP WITH BOTH SIDES OF DOOR FRAMES FOR DOORS 4'-0" AND OVER AND ALL DOORS THAT ARE LEAD LINED CONTROL JOINTS NOT NECESSARY AT WALLS WHERE ACoustICAL WALL COVERING IS SPECIFIED.
8. CONTINUE WALL FINISH AS SCHEDULED BEHIND ALL FURNITURE AND EQUIPMENT, INCLUDING UNDER OPEN COUNTERS.
9. TRANSITION ALL WALL AND BASE FINISHES, AND/OR COLOR CHANGES AT INSIDE CORNERS, UNLESS NOTED OTHERWISE. CONSULT ARCHITECT FOR CLARIFICATION, IF NECESSARY.
10. CONTINUE WALL BASE AT ALL WALLS, FURRED OUT COLUMNS & COLUMN COVERS, AND AT ALL CASEWORK TOE KICKS, SIDE PANELS, AND UNDER OPEN COUNTERS, UNLESS NOTED OTHERWISE.
11. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO MILLWORK CASEWORK FABRICATION & INSTALLATION. CONTRACTOR SHALL PROVIDE & INSTALL GROMMETS AT 48" O.C. MAX. AT ALL WORK STATIONS WITH OPEN KNEE SPACE, COORDINATE LOCATIONS DIRECTLY WITH ELECTRICAL DATA. DRAWINGS FOR OUTLET LOCATIONS. COLOR TO BE SELECTED BY ARCHITECT.
13. CONTRACTOR SHALL PROVIDE COUNTERTOP BRACKETS AT OPEN KNEE SPACES WIDER THAN 42" (TYP.), CENTER IN OPEN AREA AND PAINT TO MATCH WALL COLOR, UNLESS NOTED OR SHOWN OTHERWISE.
14. ALIGN ALL WALL TILE JOINTS WITH FLOOR TILE JOINTS, UNLESS NOTED OR SHOWN OTHERWISE.
15. RE: EQUIPMENT DRAWINGS & SPECS. FOR EQUIPMENT ITEMS SHOWN DASHED, PROVIDED BY EQUIP. CONSULTANT AND/OR SUPPLIED BY OWNER. COORDINATE WITH OTHER TRADES AS NECESSARY.
16. MECH. & ELEC. SYMBOLS AND OUTLETS ARE SHOWN FOR REFERENCE ONLY. COORDINATE LOCATIONS WITH MEP DRAWINGS. CONSULT ARCHITECT FOR CLARIFICATION, IF NECESSARY.

## GENERAL NOTES: CASEWORK

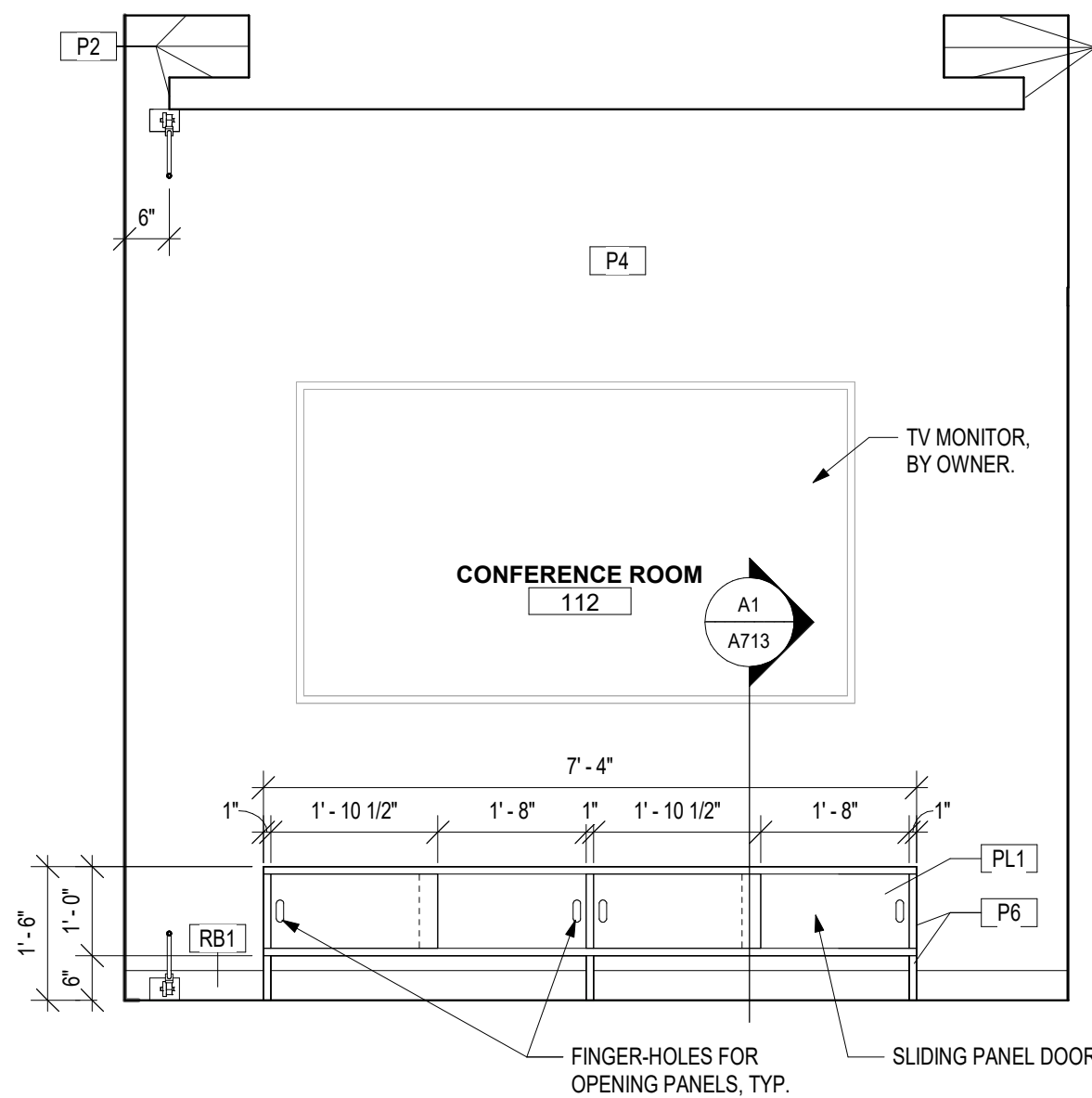
1. RE: FINISH LEGEND AND FINISH SCHEDULE FOR SPECIFIC FINISH INFORMATION AND LOCATIONS.
2. ALL MILLWORK/CASEWORK CONSTRUCTION SHALL MEET AIA PREMIUM STANDARDS, UNLESS NOTED OR SPECIFIED OTHERWISE.
3. ALL EXPOSED MILLWORK/CASEWORK SURFACES SHALL BE FINISHED W/ PLASTIC LAMINATE TO MATCH ADJACENT PLASTIC LAMINATE SURFACES, UNLESS NOTED OTHERWISE.
4. ALL CASEWORK INTERIORS SHALL BE WHITE MELAMINE, UNLESS NOTED OTHERWISE.
5. ALL FILLER PANELS SHALL BE 1-1/2 INCH WIDE MINIMUM, FINISHED TO MATCH ADJACENT FINISH SURFACES, AND SCRIBED TO FIT ADJACENT WALL, UNLESS NOTED OTHERWISE.
6. ALL BACKSPLASH FINISHES SHALL MATCH COUNTERTOP MATERIAL AND FINISH, UNLESS NOTED OTHERWISE. PLASTIC LAMINATE SIDE BACKSPLASHES TO HAVE SELF EDGE LAMINATE, UNLESS NOTED OTHERWISE.
7. CONTRACTOR SHALL APPLY CLEAR MILDEW RESISTANT SILICONE SEALANT WHERE BACKSPLASH MEETS WALL AND COUNTERTOP.
8. THE UNDERSIDE OF COUNTERTOPS WITH KNEE OPENINGS, MUST HAVE A WHITE MELAMINE FINISH, UNLESS NOTED OTHERWISE.
9. WATER AND SUPPLY DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

## GENERAL STEEL NOTE:

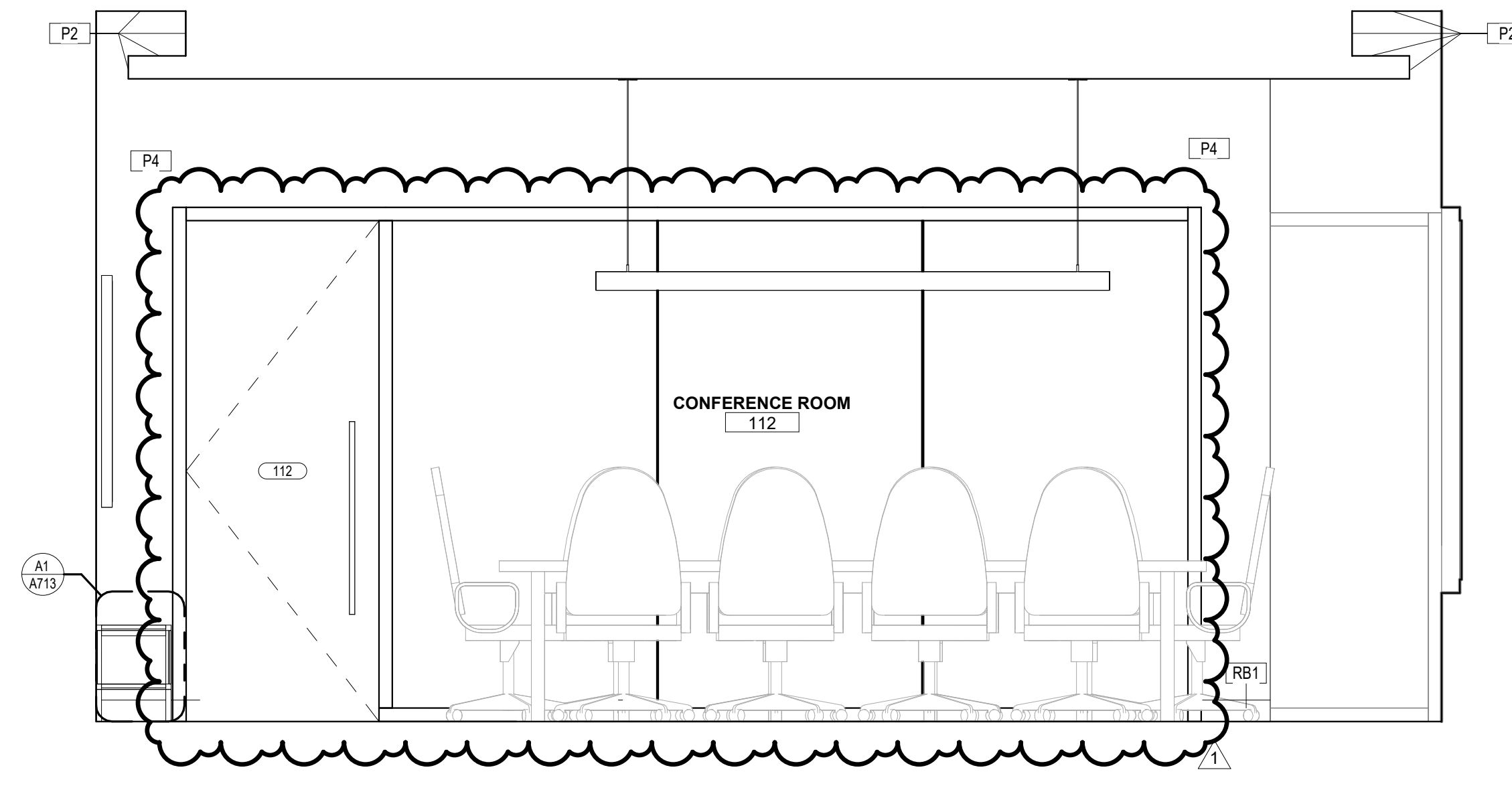
ALL NEW STEEL W-SECTIONS, C-CHANNELS, 1x SQUARE TUBE, AND PERFORATED METAL PANELS WILL BE OWNER-PROVIDED, INCLUDING STEEL FRAMING FOR ALL CASEWORK AND MILLWORK; CASEWORK AND MILLWORK PANELS, HARDWARE, AND INSTALLATION ARE G.C. SCOPE.



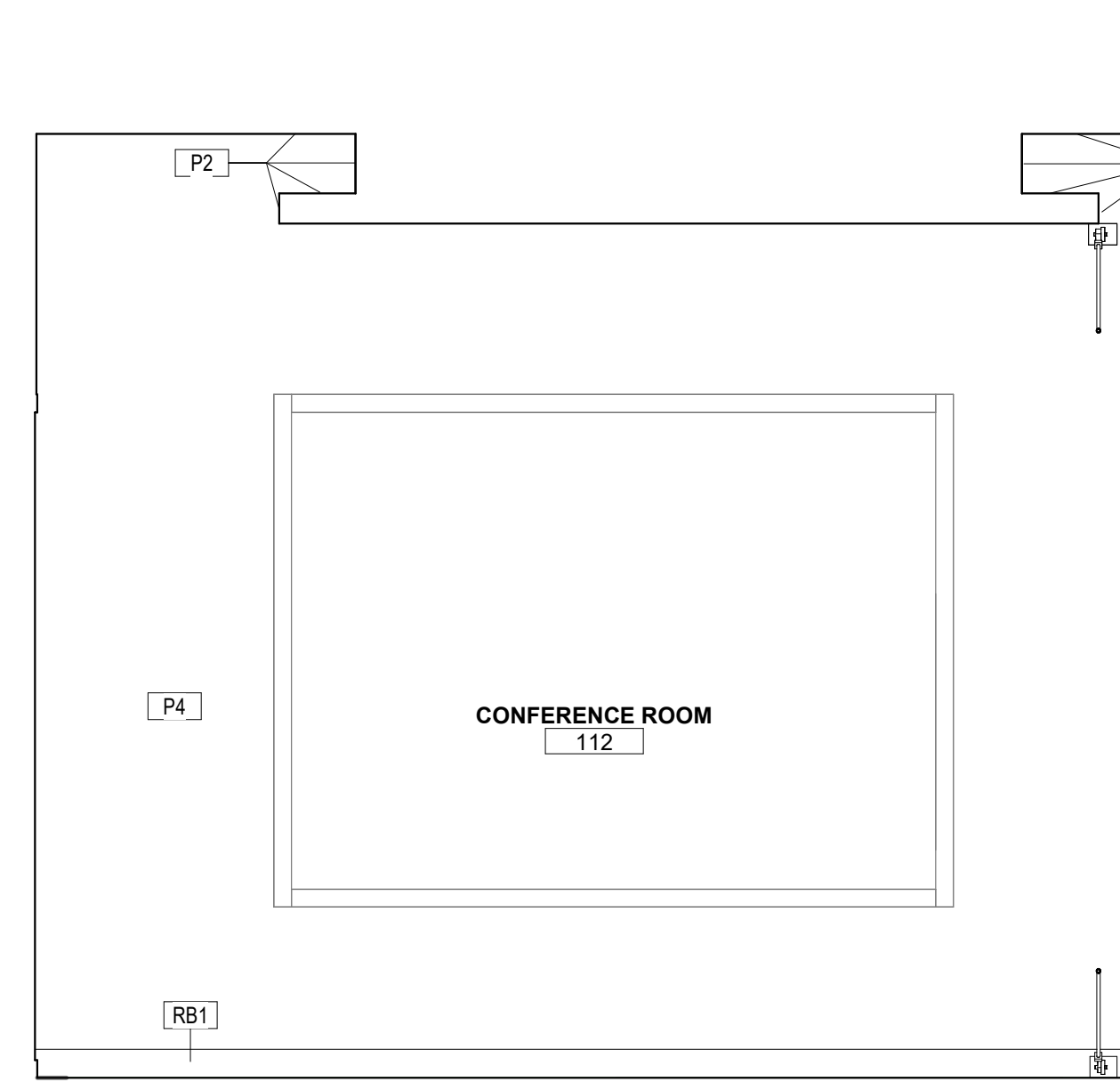
H12 ELEVATION - CONFERENCE ROOM NORTH  
1/2" = 1'-0"



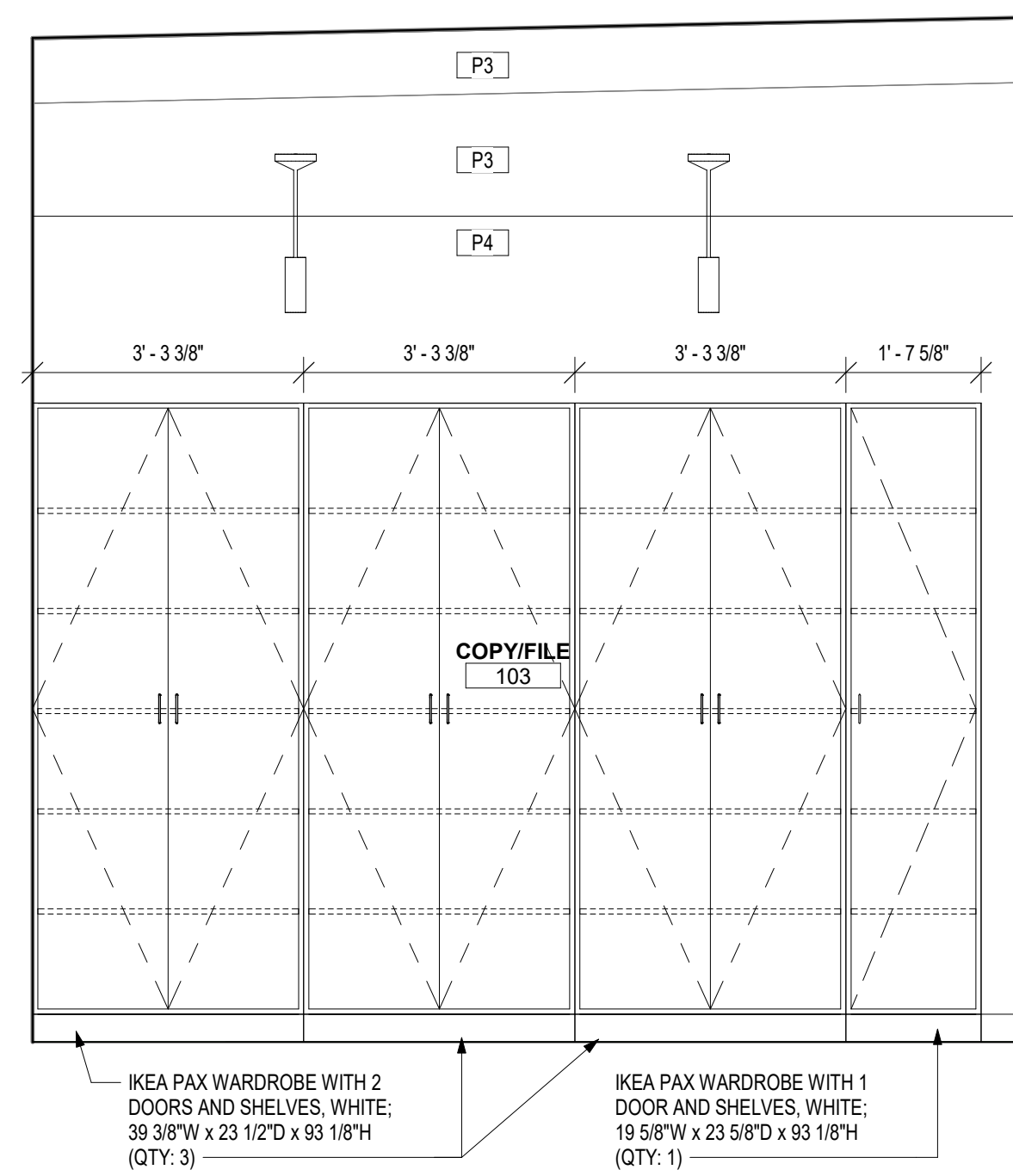
H7 ELEVATION - CONF. ROOM EAST  
1/2" = 1'-0"



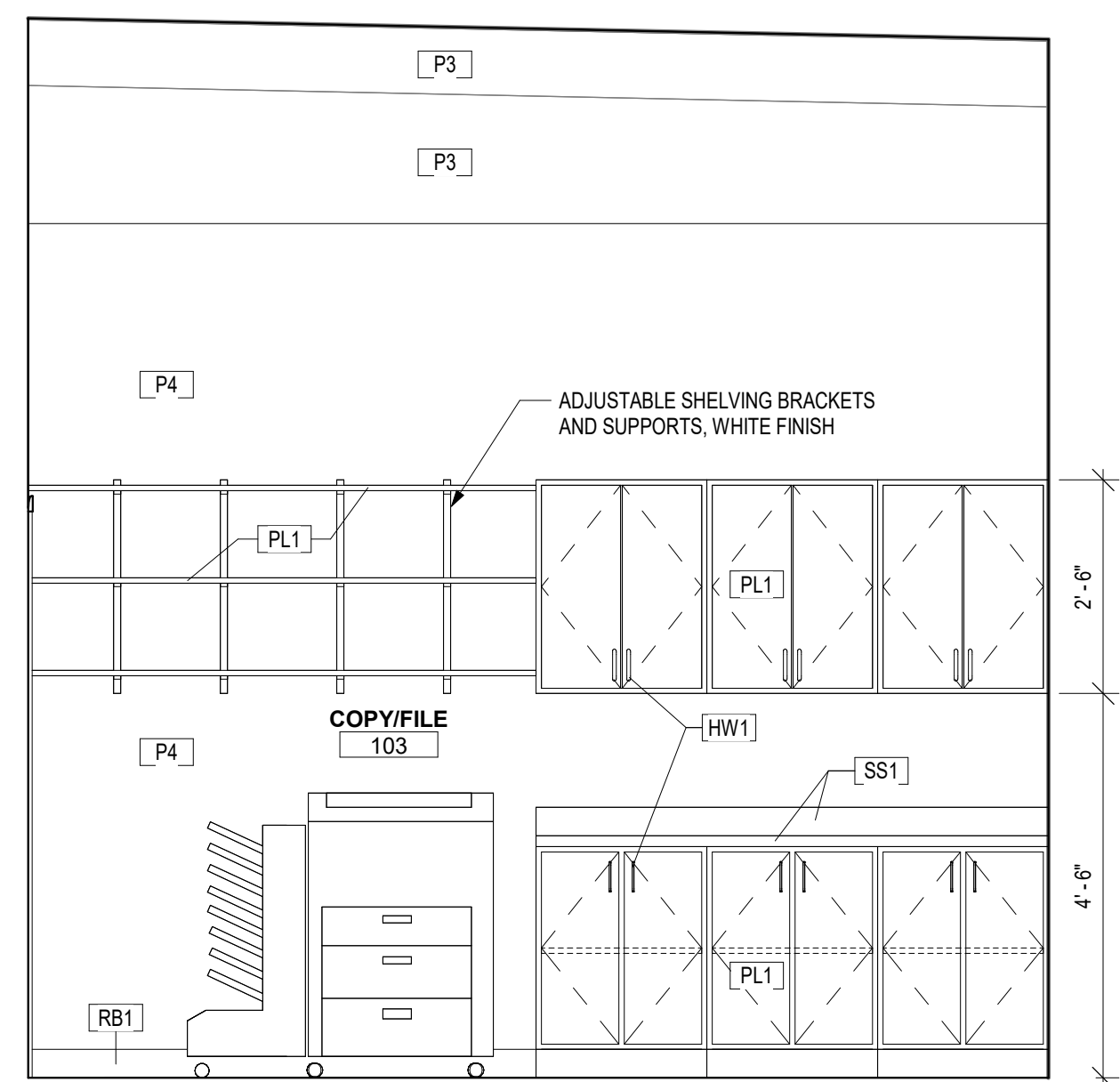
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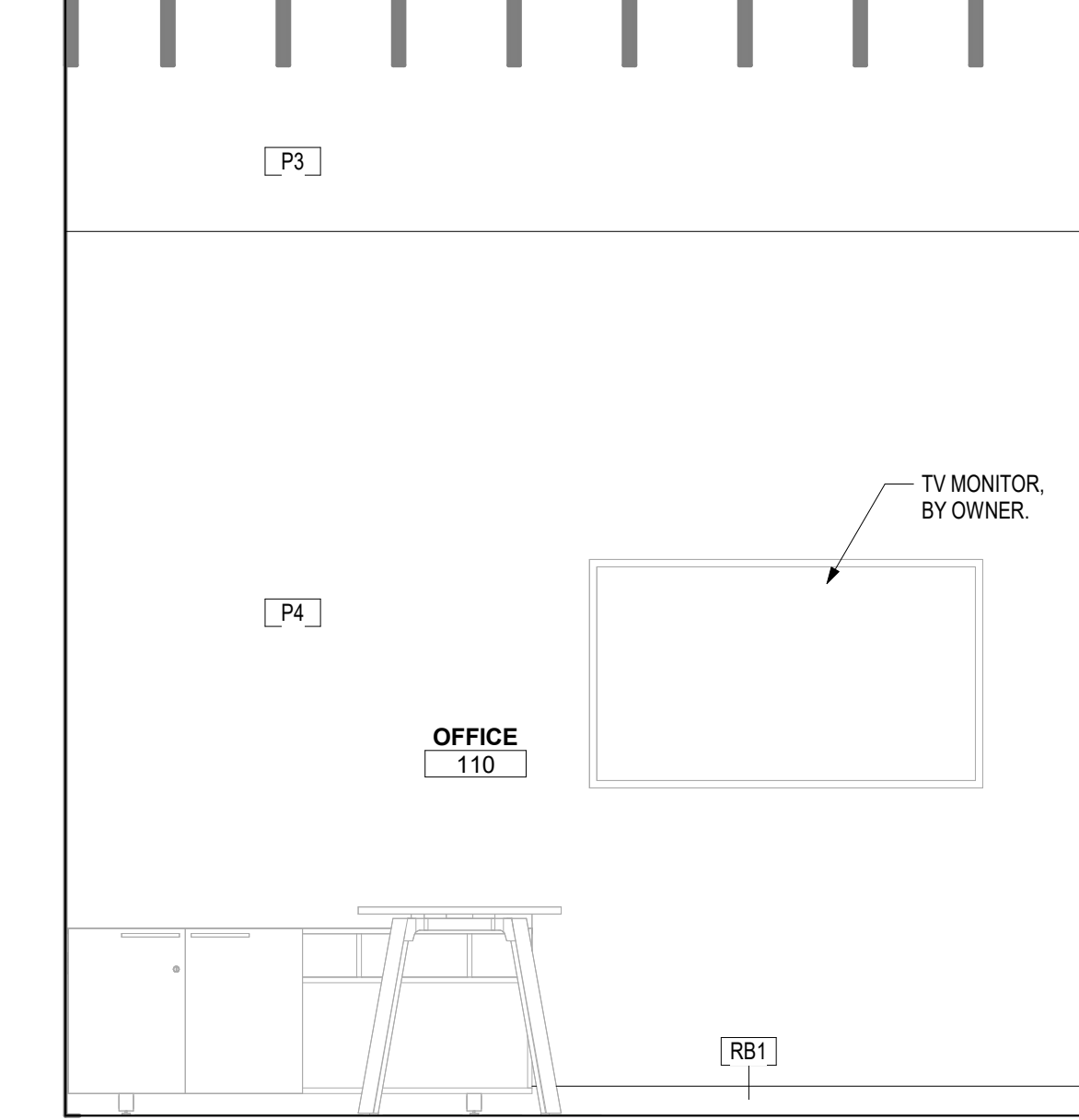
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1/2" = 1'-0"



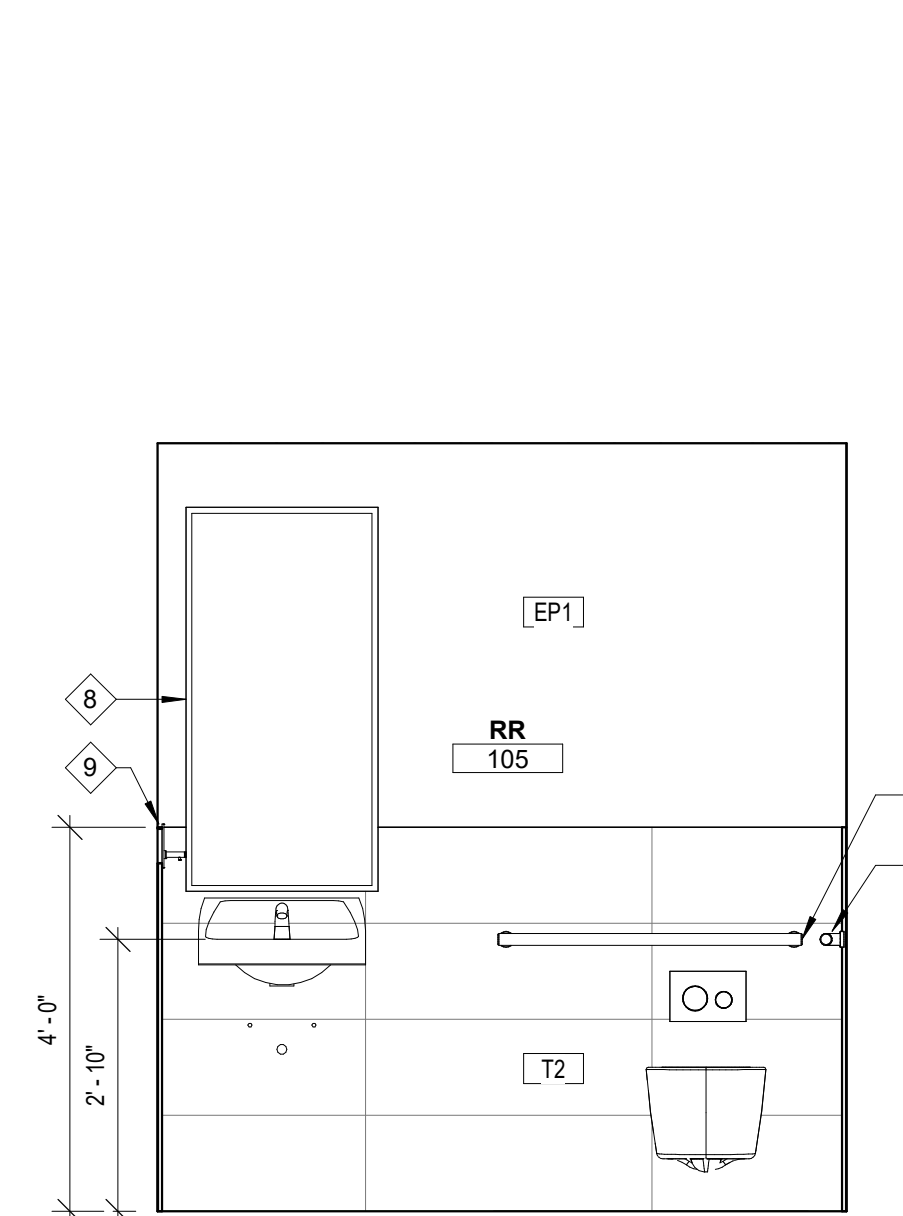
E9 ELEVATION - COPY/FILE SOUTH  
1/2" = 1'-0"



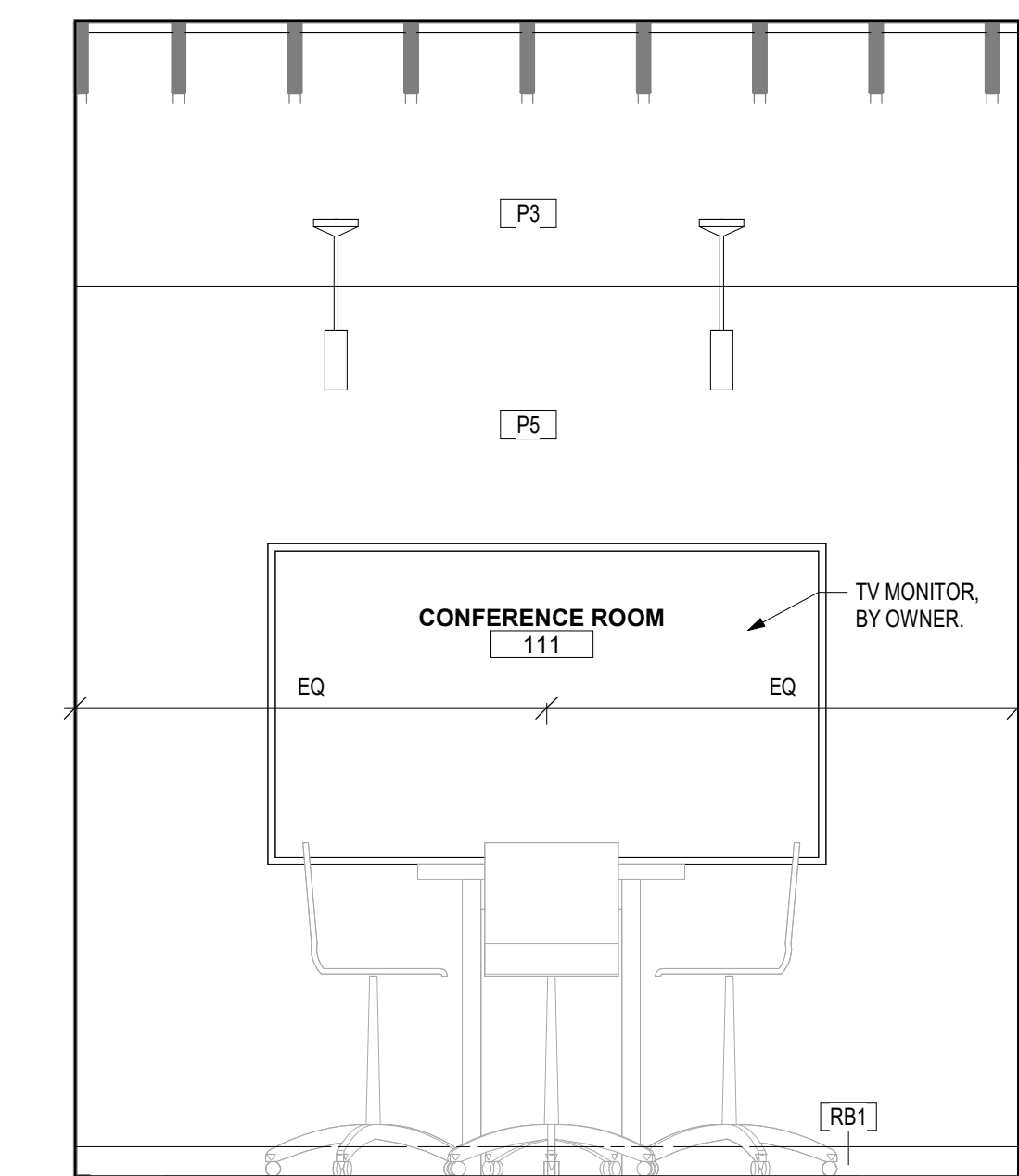
E7 COPY/FILE NORTH  
1/2" = 1'-0"



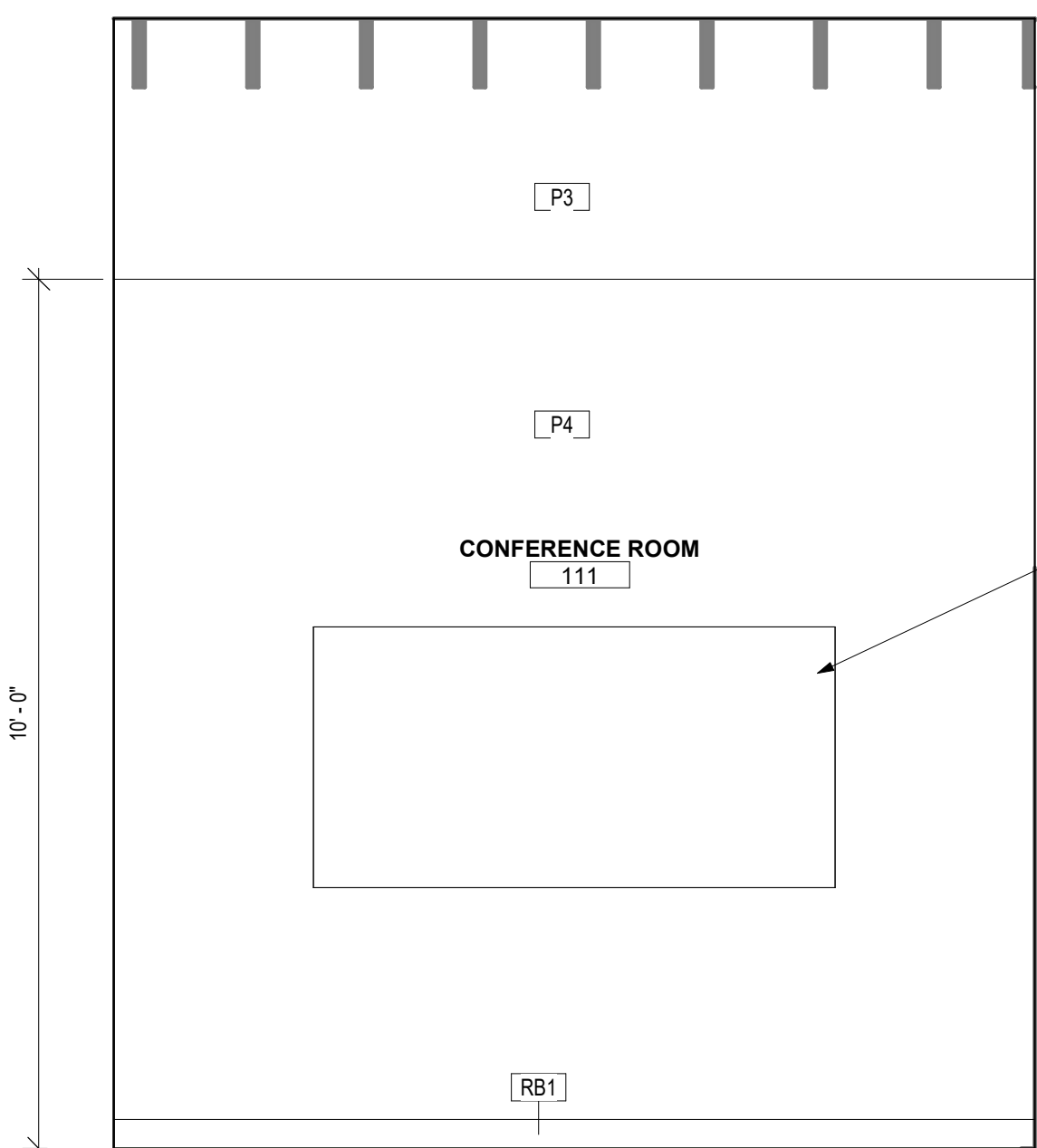
E4 OFFICE, TYP.  
1/2" = 1'-0"



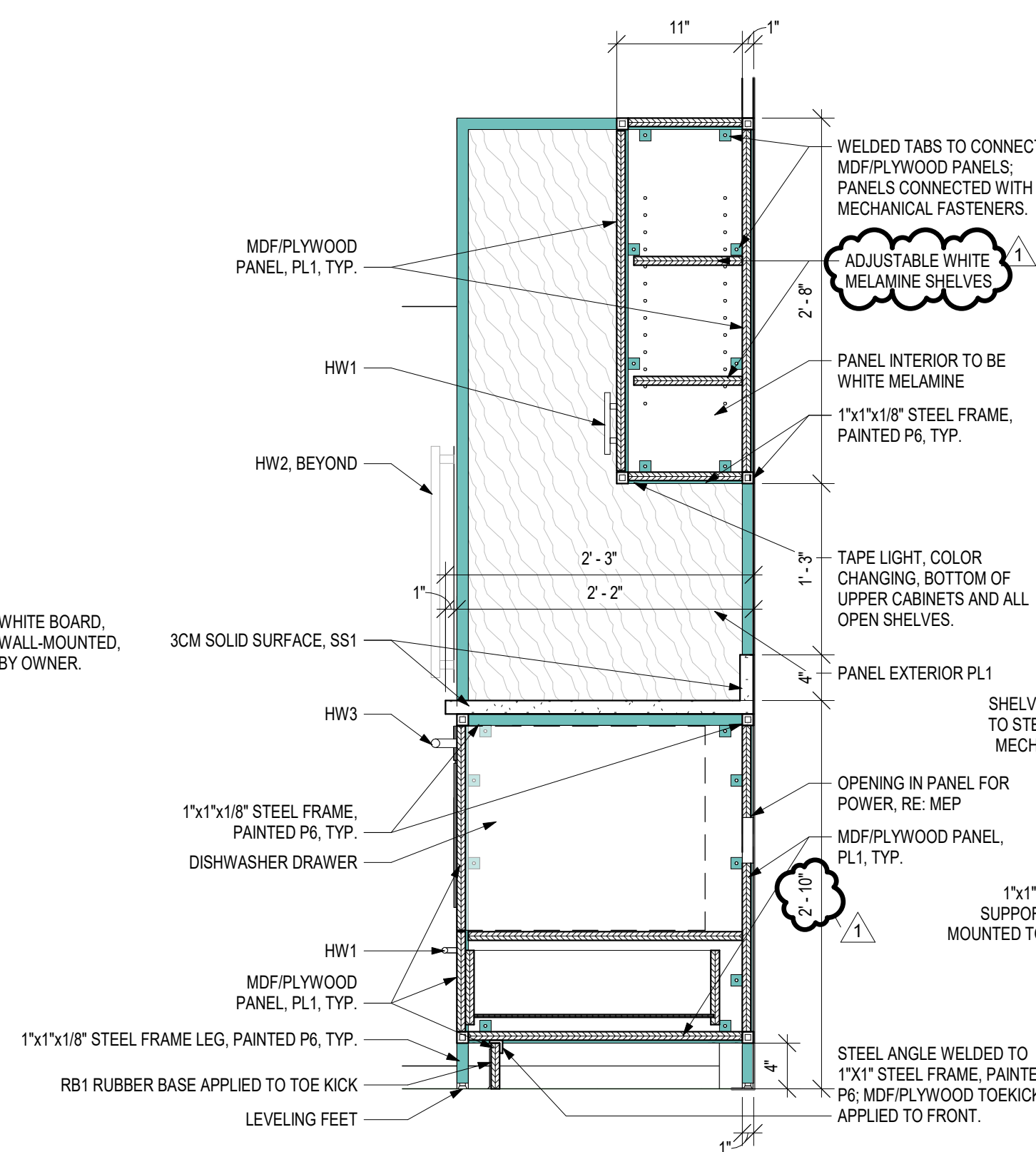
E2 RESTROOM ELEVATION, TYP.  
1/2" = 1'-0"



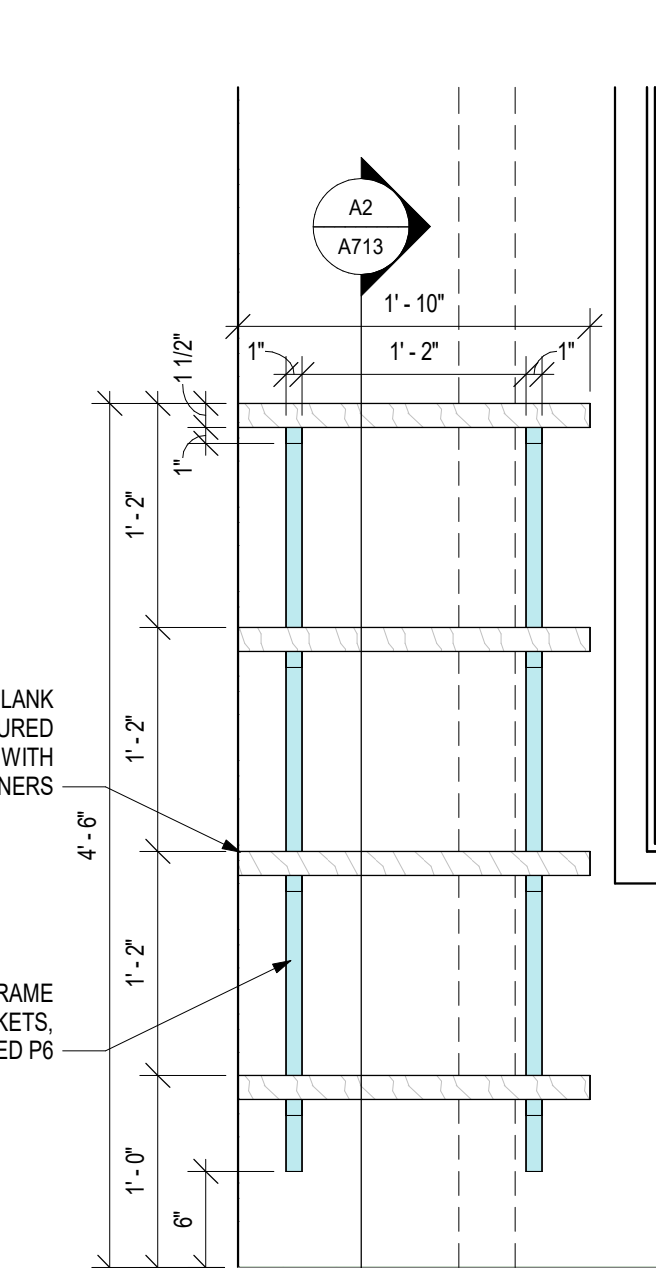
A12 ELEVATION - CONFERENCE ROOM EAST  
1/2" = 1'-0"



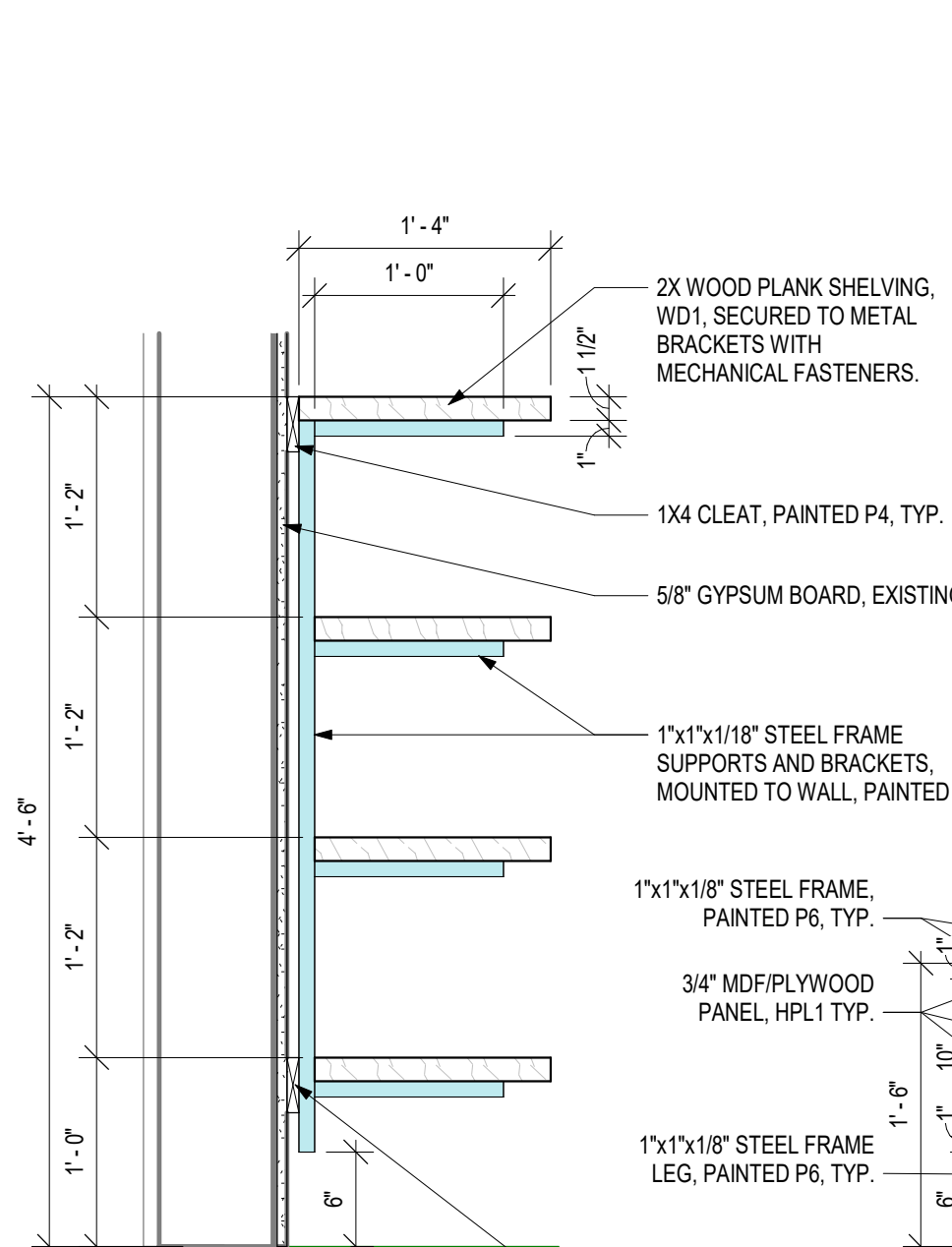
A9 ELEVATION - CONFERENCE ROOM WEST  
1/2" = 1'-0"



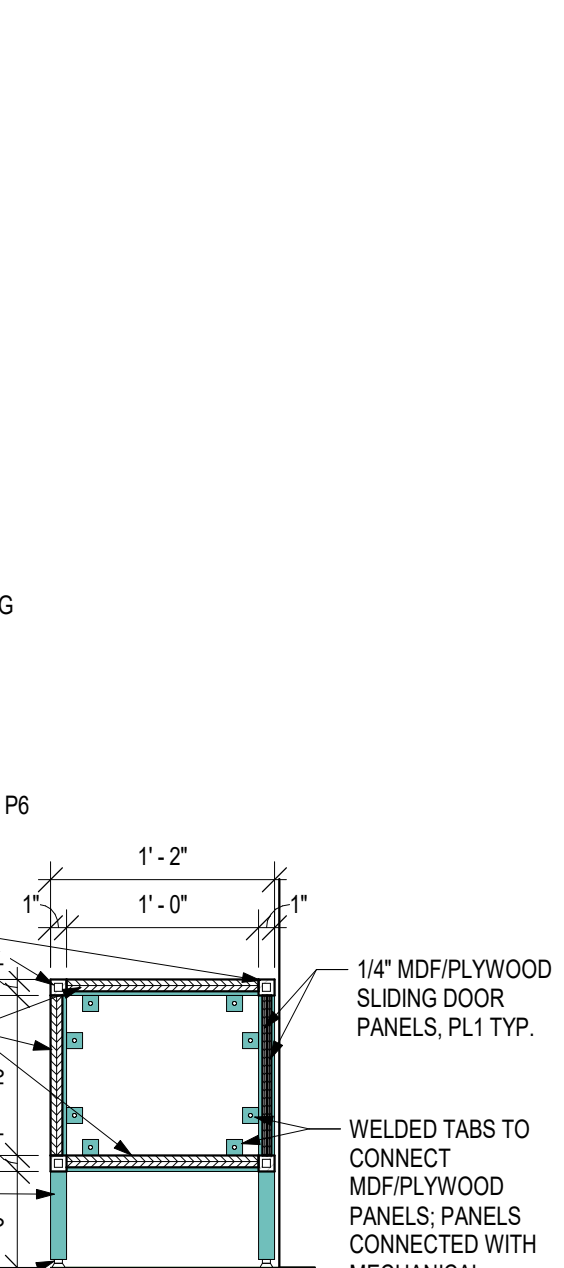
A7 DETAIL SECTION - CASEWORK @ KITCHENETTE  
1" = 1'-0"



A4 DETAIL - OFFICE SHELF  
1" = 1'-0"



A2 DETAIL - OFFICE SHELF  
1" = 1'-0"



A1 DETAIL - CONSOLE  
1" = 1'-0"



ROOFTOP UNIT SCHEDULE													
MARK	MANUFACTURER	MODEL	AIR FLOW (CFM)	OA FLOW (CFM)	AMBIENT OAT (°F)	EXT. S.P. (N.W.C.)	DX COOLING COIL EAT (°FDB/°WB)	TOTAL (BTU/HR)	SENSIBLE (BTU/HR)	GAS HEAT FUEL	INPUT (BTU/HR)	OUTPUT (BTU/HR)	ELECTRICAL VOLTS/ø/HZ
1	TRANE	4YCC4048E1	1,675	135	105	X	80/67	46,000	X	NATURAL GAS	90,000	72,900	240/1/60
2	TRANE	4YCC4036E1	1,215	155	105	X	80/67	36,400	X	NATURAL GAS	90,000	72,900	240/1/60
NOTES: 1) PROVIDE 14" HIGH FACTORY FABRICATED INSULATED ROOF CURB. 2) SET MINIMUM OUTSIDE AIR AS SPECIFIED ABOVE. OUTSIDE AIR DAMPER SHALL FULLY CLOSE ON UNIT SHUTDOWN. 3) PROVIDE 5 MINUTE TIME DELAY ON COMPRESSOR RESTART. 4) PROVIDE OUTSIDE AIR ECONOMIZER. 5) PROVIDE BAROMETRIC RELIEF DAMPER. 6) PROVIDE MANUFACTURER'S 7 DAY PROGRAMMABLE THERMOSTAT WITH 4 STAGES OF HEATING AND 2 STAGES OF COOLING. TRANE TCONT302 OR APPROVED EQUAL. 7) PROVIDE FACTORY MOUNTED AND INTERLOCKED SUPPLY AND RETURN AIR SMOKE DETECTORS. 8) PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT SWITCH. 9) PROVIDE 2" FILTER RACK AND MERV 8 FILTERS.													

GRILLE, REGISTER AND DIFFUSER SCHEDULE									
MARK	MANUFACTURER	MODEL	TYPE	NECK SIZE (L" X W")	FACE SIZE (L" X W")	FRAME TYPE	FINISH	NC	REMARKS
A	PRICE	SDG	EXTRUDED ALUMINUM SUPPLY GRILL	~	(14" X 4")	DUCT	~	<30	OBD SEE NOTES
B	PRICE	SDG	EXTRUDED ALUMINUM SUPPLY GRILL	~	(7" X 4")	DUCT	~	<30	OBD SEE NOTES
C	PRICE	SDG	EXTRUDED ALUMINUM SUPPLY GRILL	~	(20" X 4")	DUCT	~	<30	OBD SEE NOTES
D	PRICE	S20	DOUBLE DEFLECTION ADJ. SUPPLY GRILLE	~	(6" X 6")	SURFACE	~	<30	OBD SEE NOTES
E	PRICE	S20	DOUBLE DEFLECTION ADJ. SUPPLY GRILLE	~	(8" X 8")	SURFACE	~	<30	OBD SEE NOTES
F	PRICE	600	EXHAUST GRILL	~	(12" X 12")	SURFACE	~	<30	OBD SEE NOTES
G	PRICE	SDS75	LINEAR 2-SLOT DIFFUSER	7"ø	(48" X 1.5")	LAY-IN	~	<30	OBD SEE NOTES
H	PRICE	80	EGG CRATE RETURN GRILLE	~	(10" X 10")	SURFACE	~	<30	SEE NOTES
ACCESSORIES: OBD--OPPOSED BLADE DAMPER, LSP--LINEAR SLOT PLENUM									
NOTES: 1) COORDINATE WITH ARCHITECT FOR DESIRED FINISH.									

EXHAUST AND VENTILATION FAN SCHEDULE												
MARK	MANUFACTURER	MODEL	TYPE	DRIVE TYPE	PERFORMANCE AIR FLOW (CFM)	EXT. STATIC (N.W.C.) (CPM)	FAN SPEED (RPM)	SONES	ELECTRICAL VOLTS/ø/HZ	FAN MOTOR HP	ACCESSORIES	REMARKS
1	GREENHECK	G-070-VG	DOWNBLAST CENTIFUGAL	DIRECT	205	0.46	1725	5.7	115/60/1	1/15	AD, BS, RC, WP	SEE NOTES
2												
3												
4												
5												
ACCESSORIES: AD--MOTORIZED CONTROL DAMPER, BS--BIRD SCREEN, BD--BACKRAFT DAMPER, DS--DISCONNECT SWITCH, IC--INLET GUARD, MR--WALL MOUNTING RING, RC--PREFABRICATED INSULATED ROOF CURB, SC--PREFABRICATED SOUND ATTENUATING ROOF CURB, WG--NEMA 3R DISCONNECT SWITCH												
NOTES: 1) MODEL NUMBERS ARE GENERAL MODEL NUMBERS FOR BASIS OF DESIGN. MODEL NUMBER MAY NOT INCLUDE ALL ACCESSORIES REQUIRED. SEE SPECIFICATIONS. 2)												

MECHANICAL VENTILATION AIR REQUIREMENTS										
Zone/ System	AREA BASIS			OCCUPANCY BASIS				Required Ventilation Air (CFM) (C+F)/G	Design Ventilation Air (CFM)	
	A Area (ft²)	B CFM/ft²	C CFM (A x B)	D Persons 1000 SF	E # of People	F CFM per Person	G Zone Air Distribution Effectiveness			
Large Conf	232	0.06	14	50	12	5	58	0.8	90	
Large Office	205	0.06	12	5	1	5	5	0.8	22	
Small Conf	86	0.06	5	50	4	5	22	0.8	33	
Small Office	90	0.06	5	5	0	5	2	0.8	10	
Total	613								155	155
Break Room	80	0.06	5	25	2	5	10	0.8	19	
Mens Restroom	48									
Open Office	1,077	0.06	65	5	5	5	27	0.8	114	
Womens Restroom	44									
Total	1,249								133	135
Grand Total	1662									290
NOTES: OCCUPANCY AND VENTILATION RATES ARE AS REQUIRED PER THE 2018 INTERNATIONAL MECHANICAL CODE (TABLE 403.3).										

MECHANICAL GENERAL NOTES

- A. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- B. COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES AND DROPS, AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- C. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- D. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY, INCLUDING APPLICABLE SECTIONS OF NFPA, OSHA, INTERNATIONAL BUILDING CODES, OR ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.

MECHANICAL SYMBOLS

	EXISTING DUCT/PIPE TO REMAIN		UNIT HEATER
	EXISTING PIPE TO REMAIN		ELECTRIC DUCT HEATER IN DUCT
	EXISTING DUCT/PIPE TO BE REMOVED		THERMOSTAT - ELECTRIC
	EXISTING PIPE TO BE REMOVED		HUMIDITY SENSOR
	NEW SHEET METAL DUCTWORK		TEMPERATURE SENSOR
	SUPPLY OR OUTSIDE AIR DUCT		PRESSURE SENSOR
	RETURN AIR DUCT		AREA SMOKE DETECTOR
	EXHAUST AIR DUCT		DUCT SMOKE DETECTOR
	DUCTWORK TRANSITION		CONNECT TO EXISTING
	DUCTWORK TRANSITION - RECTANGULAR TO ROUND		DIFFUSER DESIGNATION, CFM AND NECK SIZE
	INCLINED RISE IN DUCTWORK		ELECTRICAL NOTE DESIGNATION
	INCLINED DROP IN DUCTWORK		PLUMBING NOTE DESIGNATION
	SUPPLY DUCT ELBOW UP OR DOWN		HVAC NOTE DESIGNATION
	RETURN DUCT ELBOW UP OR DOWN		DEMOLITION NOTE DESIGNATION
	EXHAUST DUCT ELBOW UP OR DOWN		REVISION DESIGNATION
	DUCT ELBOW WITH FIXED TURNING VANES		MECHANICAL EQUIPMENT DESIGNATION
	SPLITTER DAMPER		DETAIL DESIGNATION
	DUCT BRANCH TAKE-OFF		SECTION DESIGNATION
	ROUND SPIN-IN WITH DAMPER		
	SQUARE TO ROUND TAP WITH DAMPER		
	FLEXIBLE DUCT CONNECTION	AFF	ABOVE FINISHED FLOOR
	FIRE DAMPER	AHU	AIR HANDLING UNIT
	SMOKE DAMPER	BDD	BACKDRAFT DAMPER
	COMBINATION FIRE/SMOKE DAMPER	BOD	BOTTOM OF DUCT
	ELECTRIC OPERATED DAMPER	BHP	BRAKE HORSEPOWER
	PNEUMATIC OPERATED DAMPER	BTU	BRITISH THERMAL UNIT
	BACKDRAFT DAMPER	CFM	CUBIC FEET PER MINUTE
	VOLUME DAMPER	DB	DRY BULB
	FLEXIBLE DUCTWORK	EAT	ENTERING AIR TEMPERATURE
	SUPPLY DIFFUSER	ESP	EXTERNAL STATIC PRESSURE
	SUPPLY DIFFUSER WITH 3-WAY THROW	EWT	ENTERING WATER TEMPERATURE
	SUPPLY DIFFUSER WITH 2-WAY THROW	FD	FIRE DAMPER
	SUPPLY DIFFUSER WITH 1-WAY THROW	FOB	FLAT ON BOTTOM
	SLOT DIFFUSER	FOT	FLAT ON TOP
	ROUND SUPPLY DIFFUSER	FSD	COMBINATION FIRE/SMOKE DAMPER
	SIDEWALL MOUNTED SUPPLY REGISTER	GPM	GALLONS PER MINUTE
	RETURN GRILLE	HZ	FREQUENCY
	EXHAUST GRILLE	LAT	LEAVING AIR TEMPERATURE
	ROOF MOUNTED EXHAUST FAN	LWT	LEAVING WATER TEMPERATURE
	CEILING MOUNTED EXHAUST FAN	MD	MANUAL DAMPER
	IN-LINE CABINET FAN	NC	NOISE CRITERIA
	FAN TERMINAL UNIT	POD	PNEUMATIC OPERATED DAMPER
	VAV TERMINAL UNIT	PD	PRESSURE DROP
	AIR HANDLING UNIT	PSI	POUNDS PER SQUARE INCH
	ROOFTOP UNIT	RTU	ROOFTOP UNIT

NOTE: THIS PROJECT MAY NOT USE EVERY SYMBOL OR DEVICE APPEARING ON THIS LEGEND.

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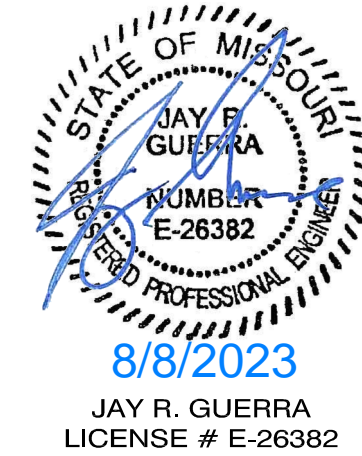
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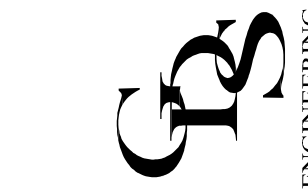
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PROFESSIONAL SEAL

MECHANICAL LEGEND AND SCHEDULES

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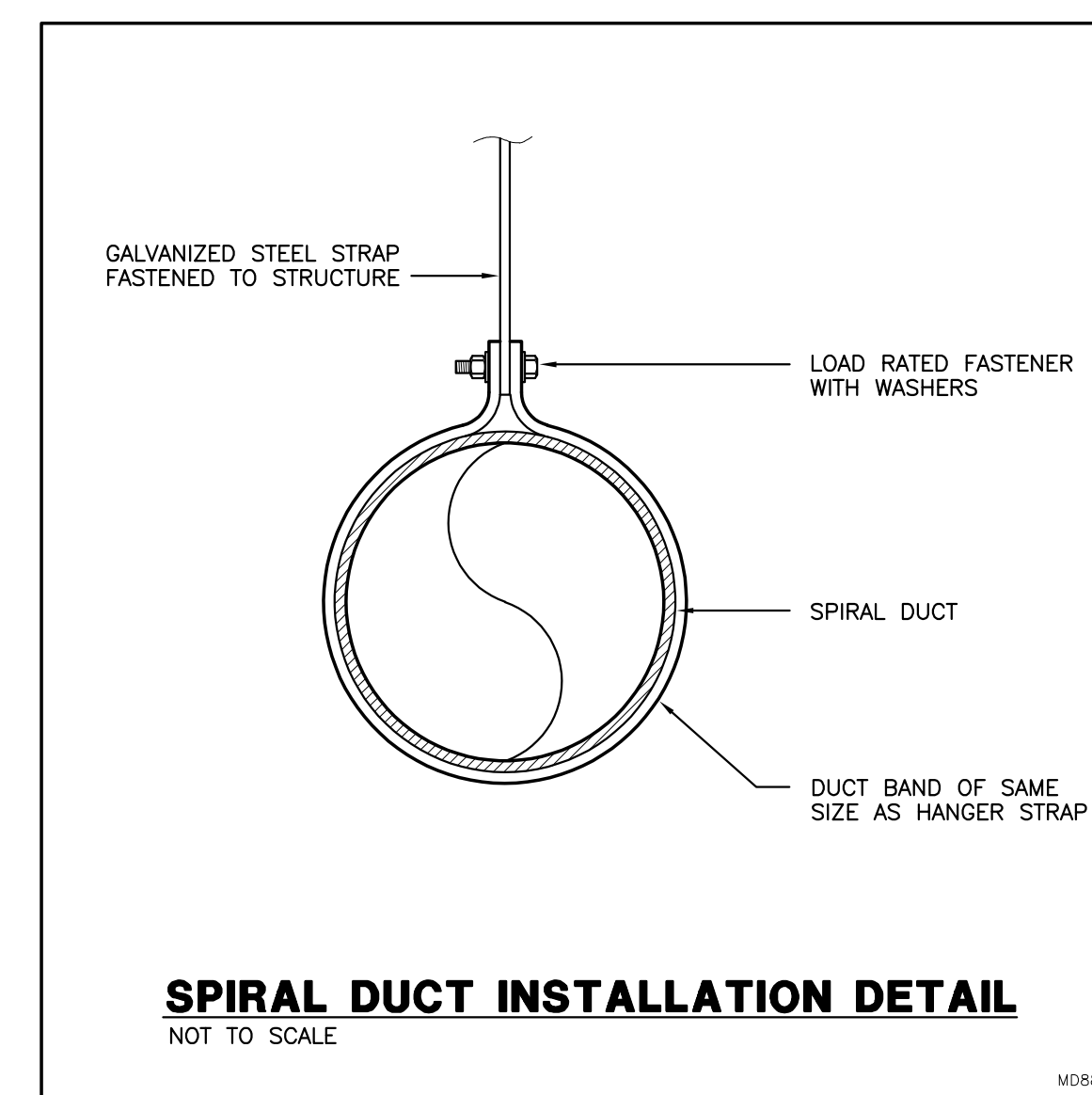
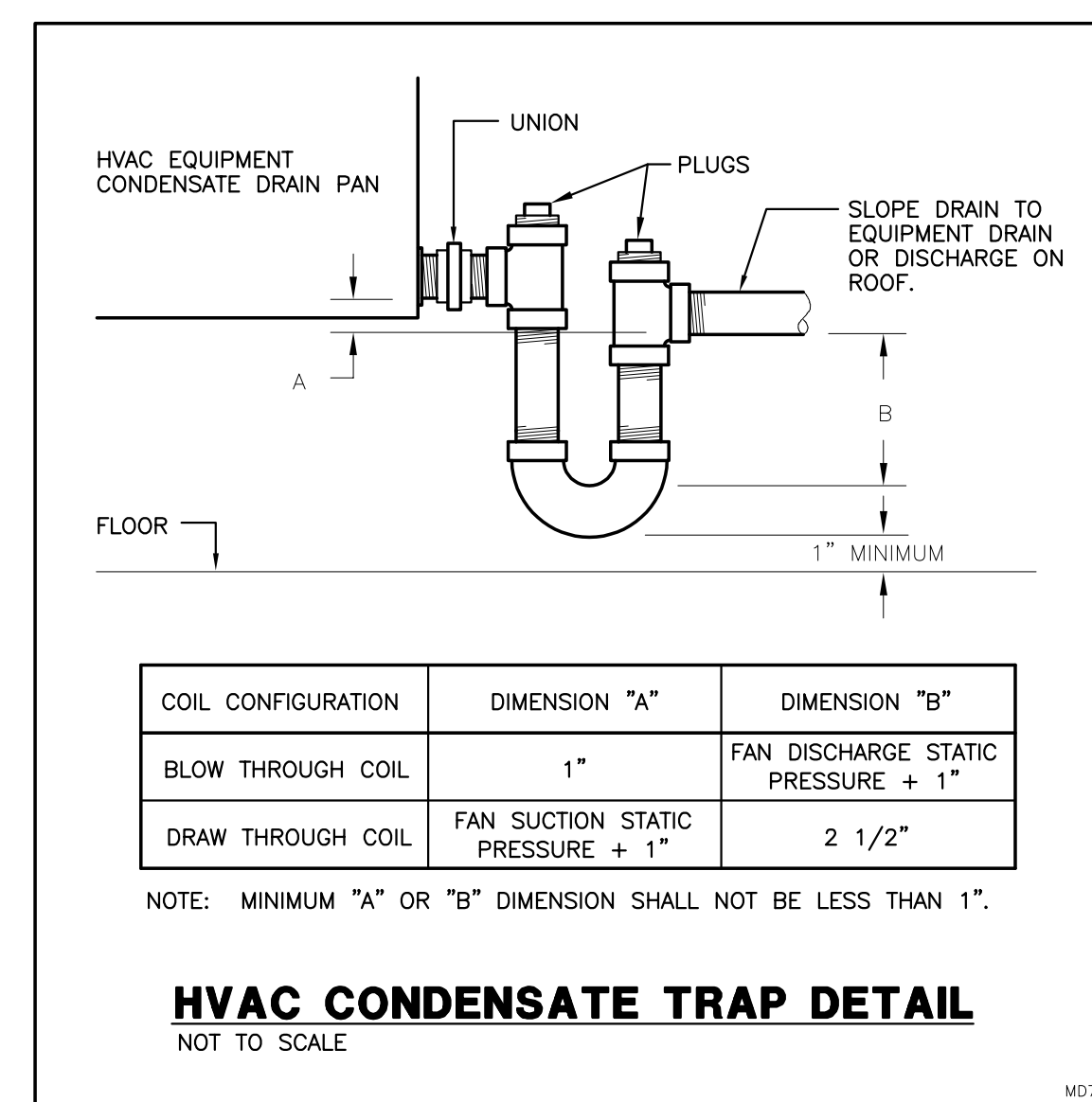
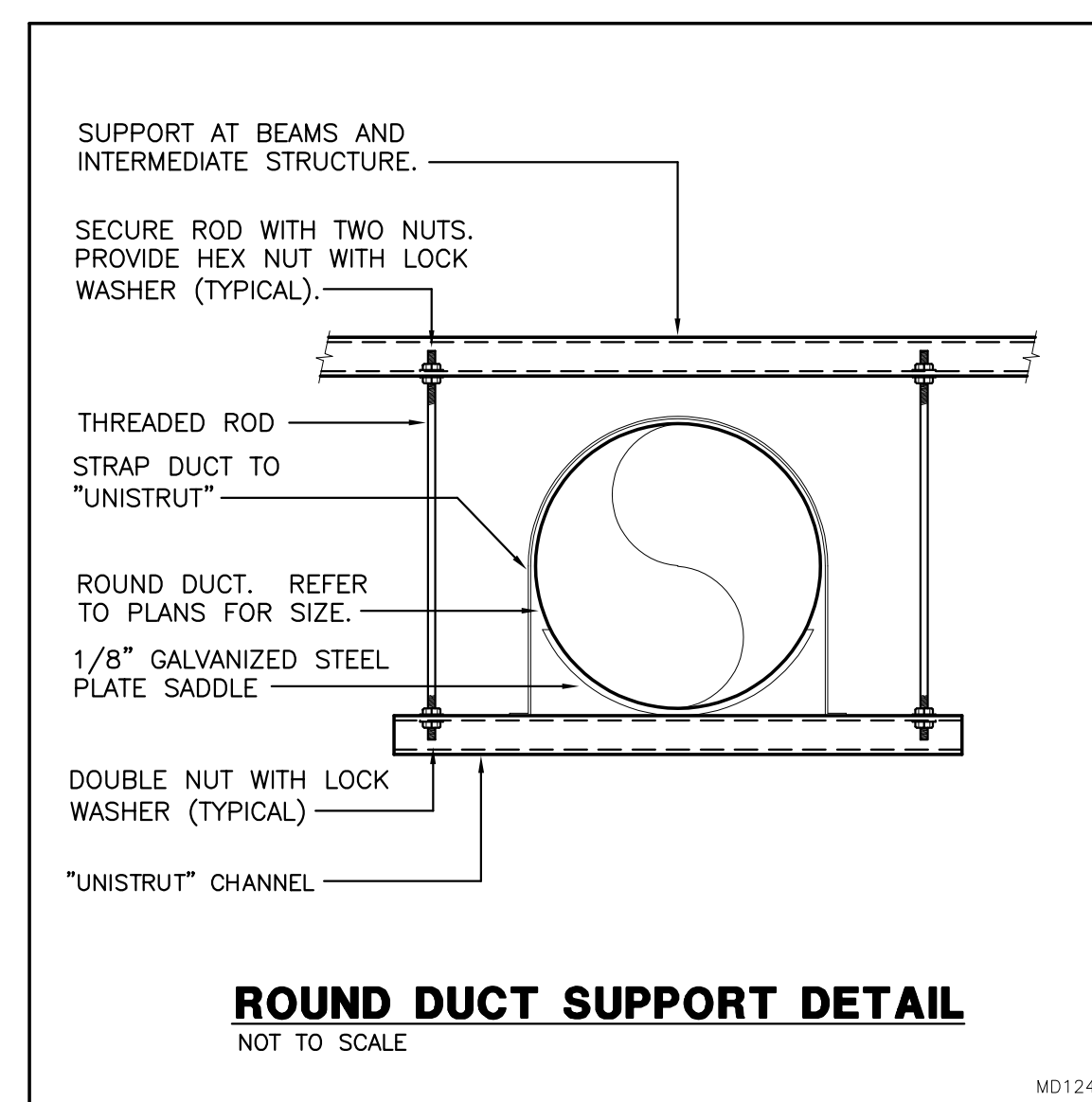
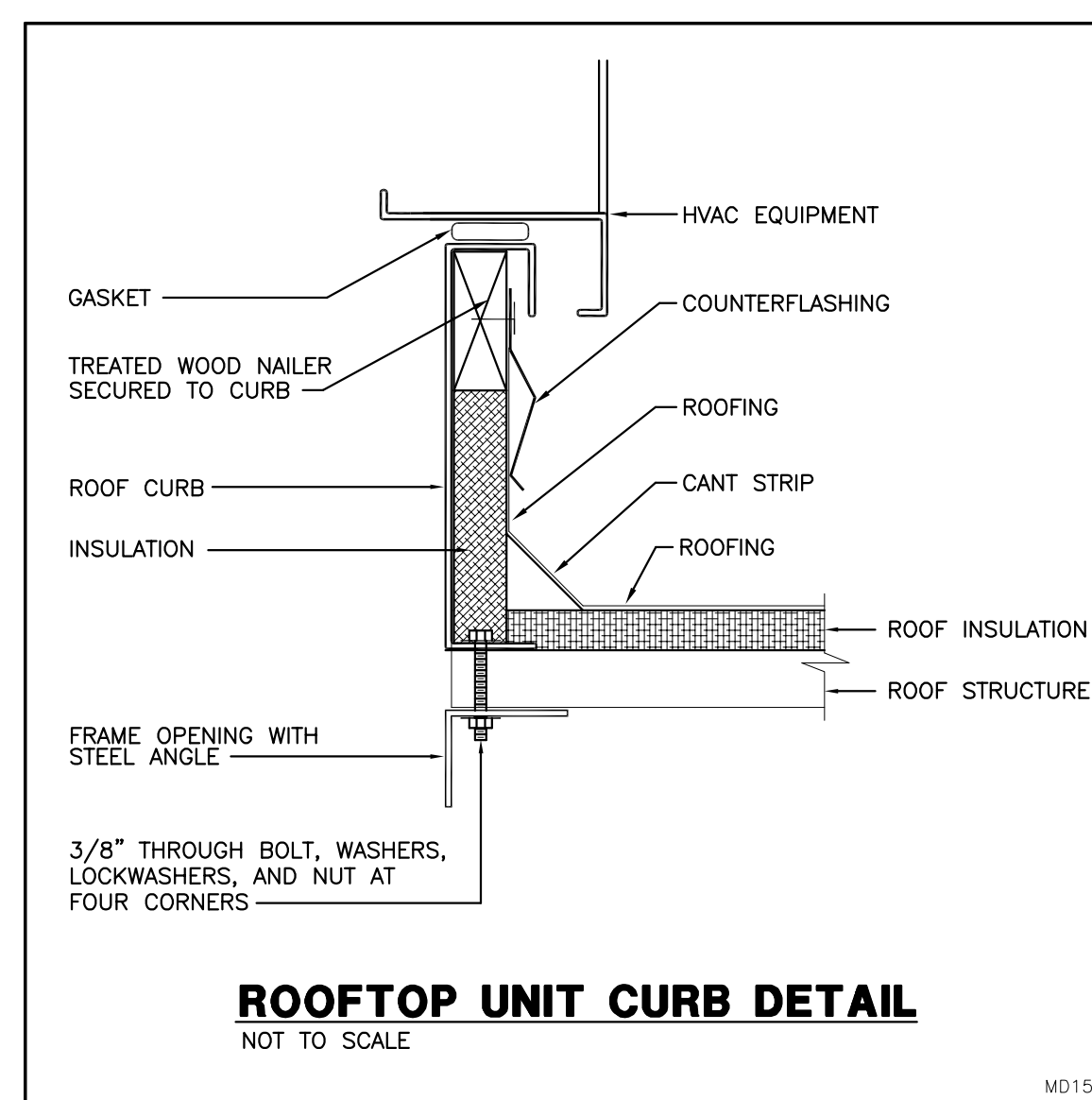
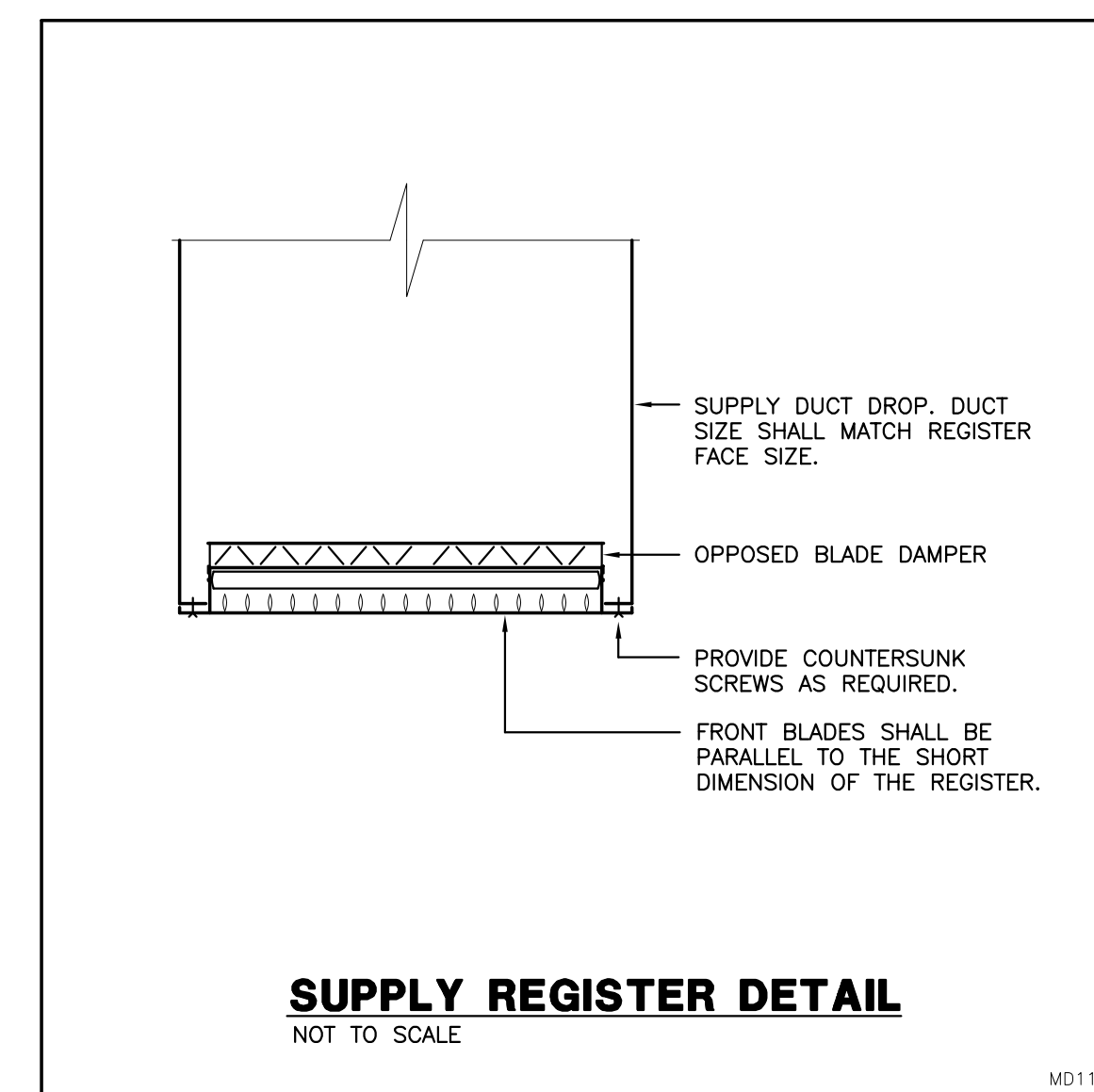
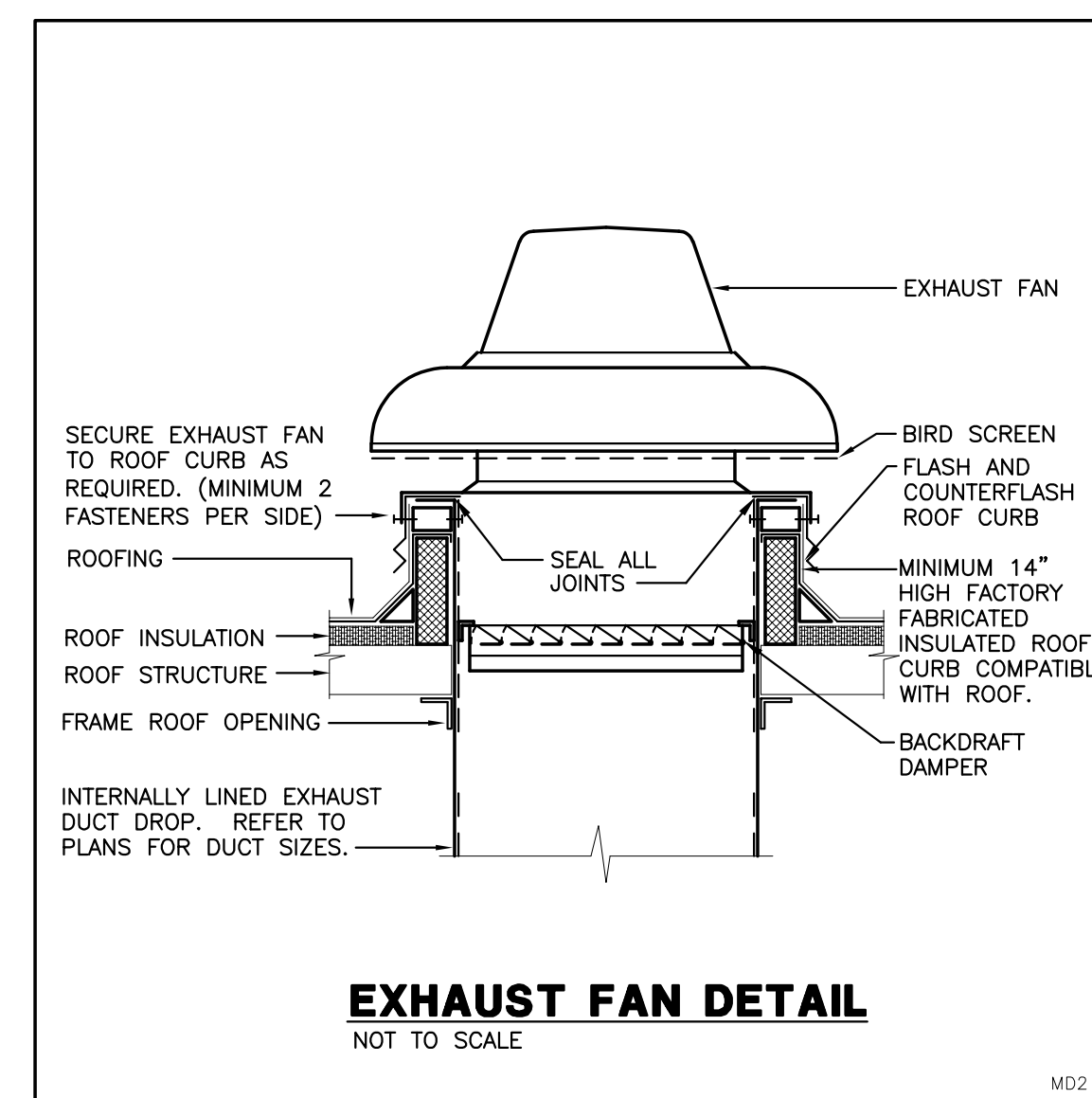
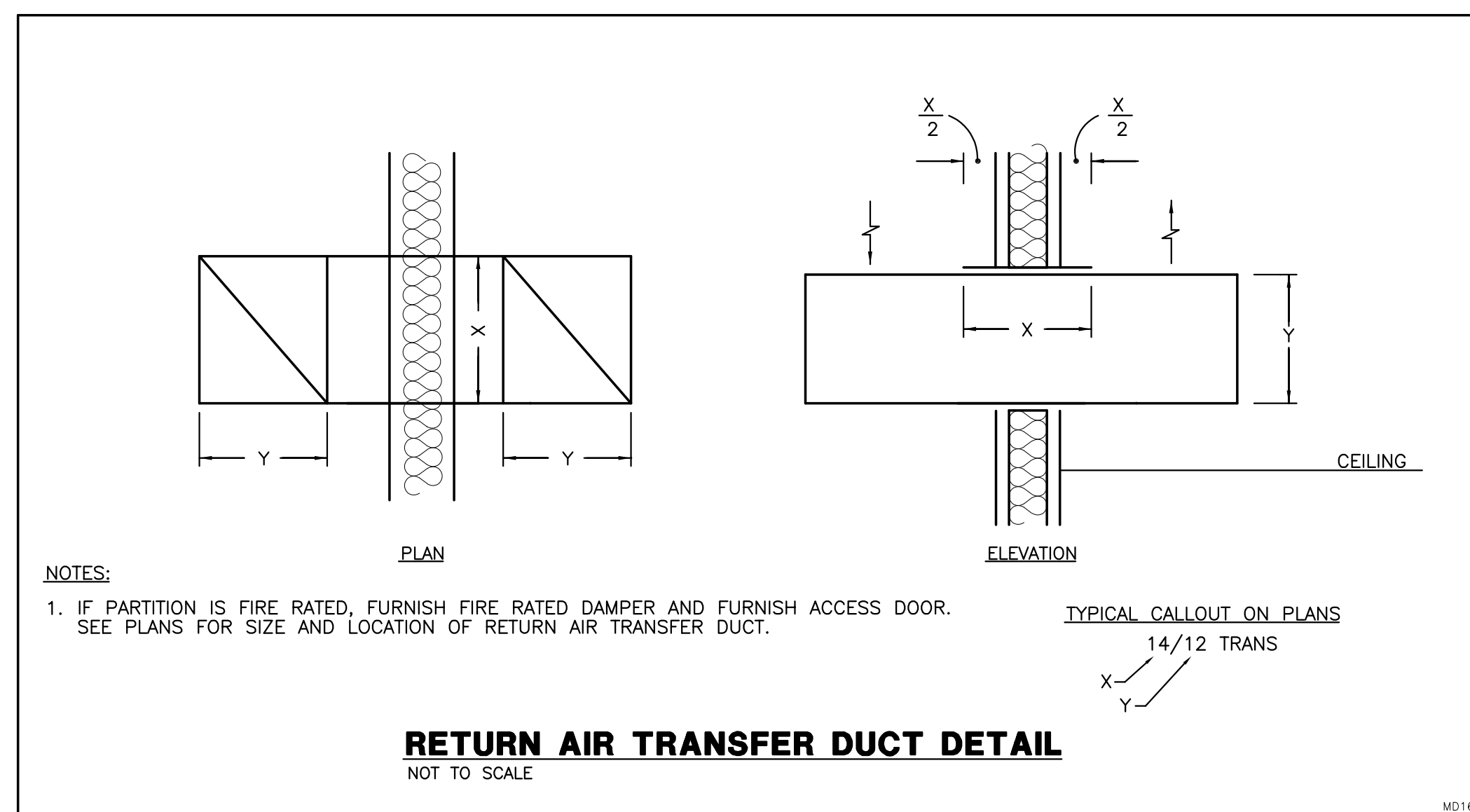
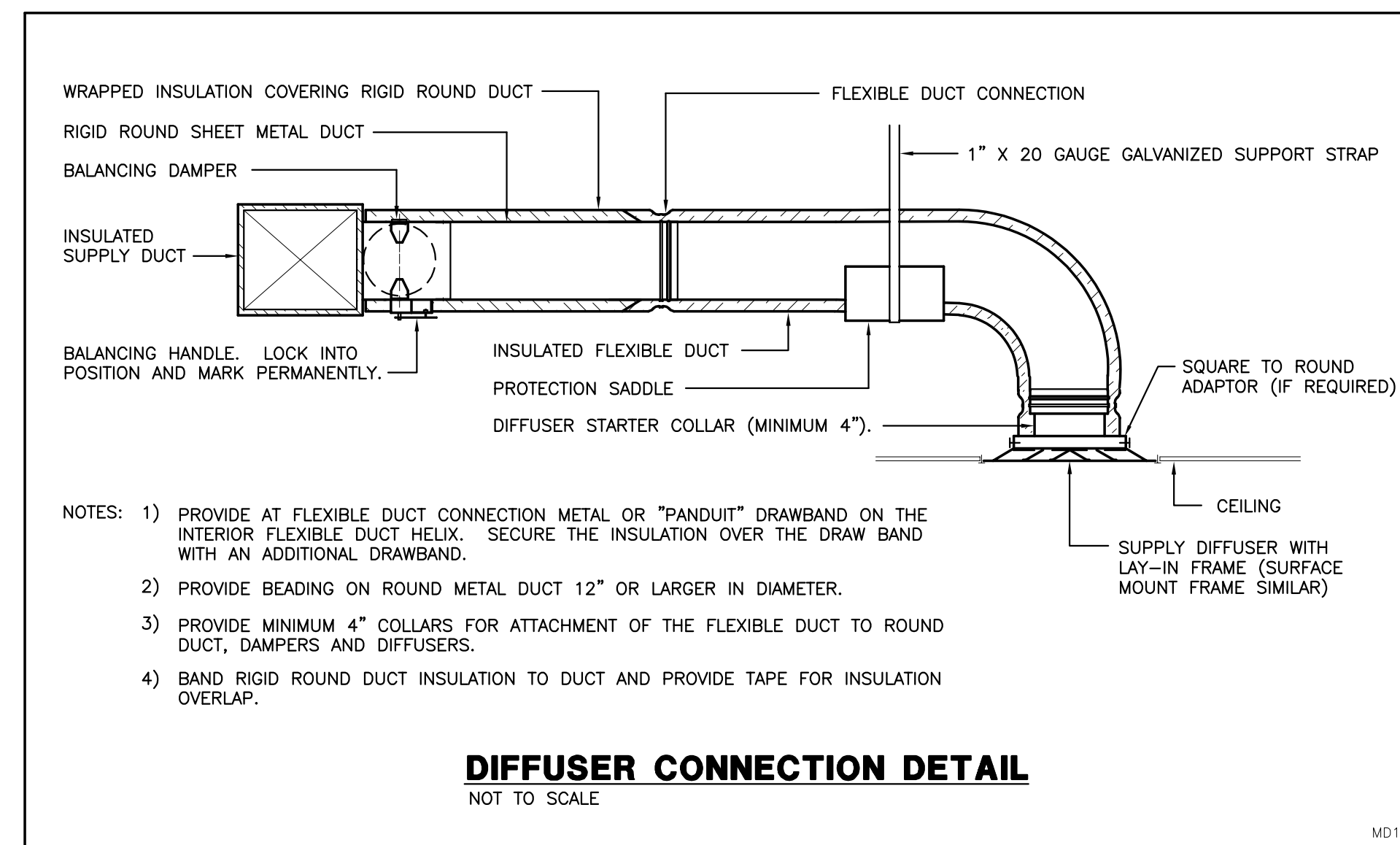
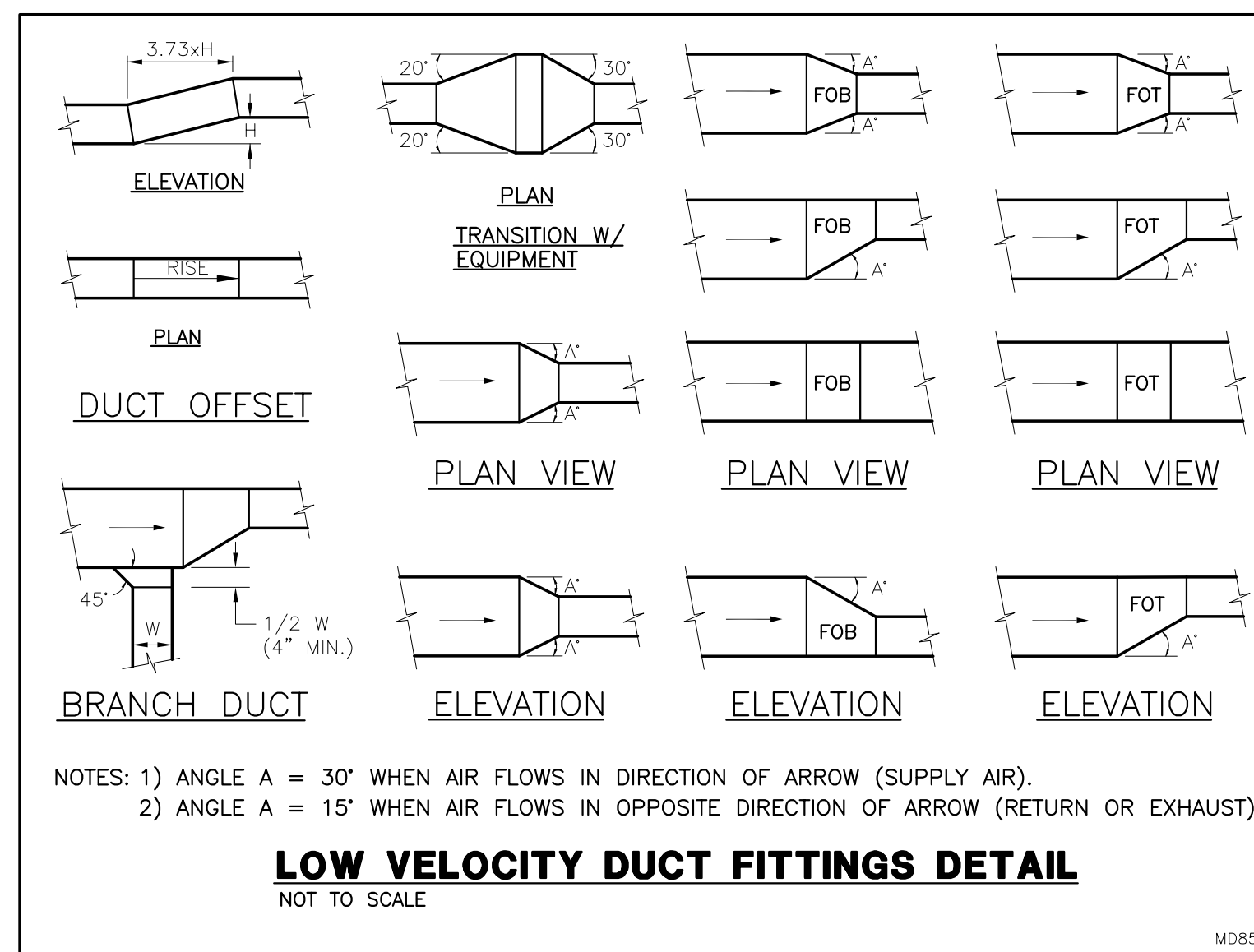
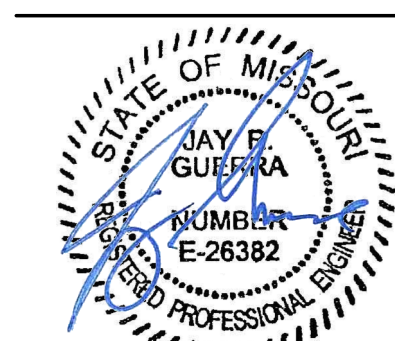
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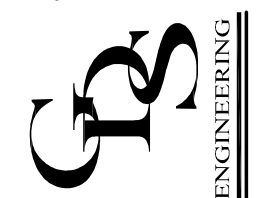


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GIBBENS DRAKE SCOTT, INC.  
MECHANICAL ENGINEERS  
500 E. 6TH STREET, SUITE 100  
RAYMOND, MISSOURI 64083



# LEOK OFFICE RENOVATION

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MECHANICAL PLAN

M101

ISSUE DATE: JULY 14, 2023  
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PERMIT SET

## MECHANICAL GENERAL NOTES

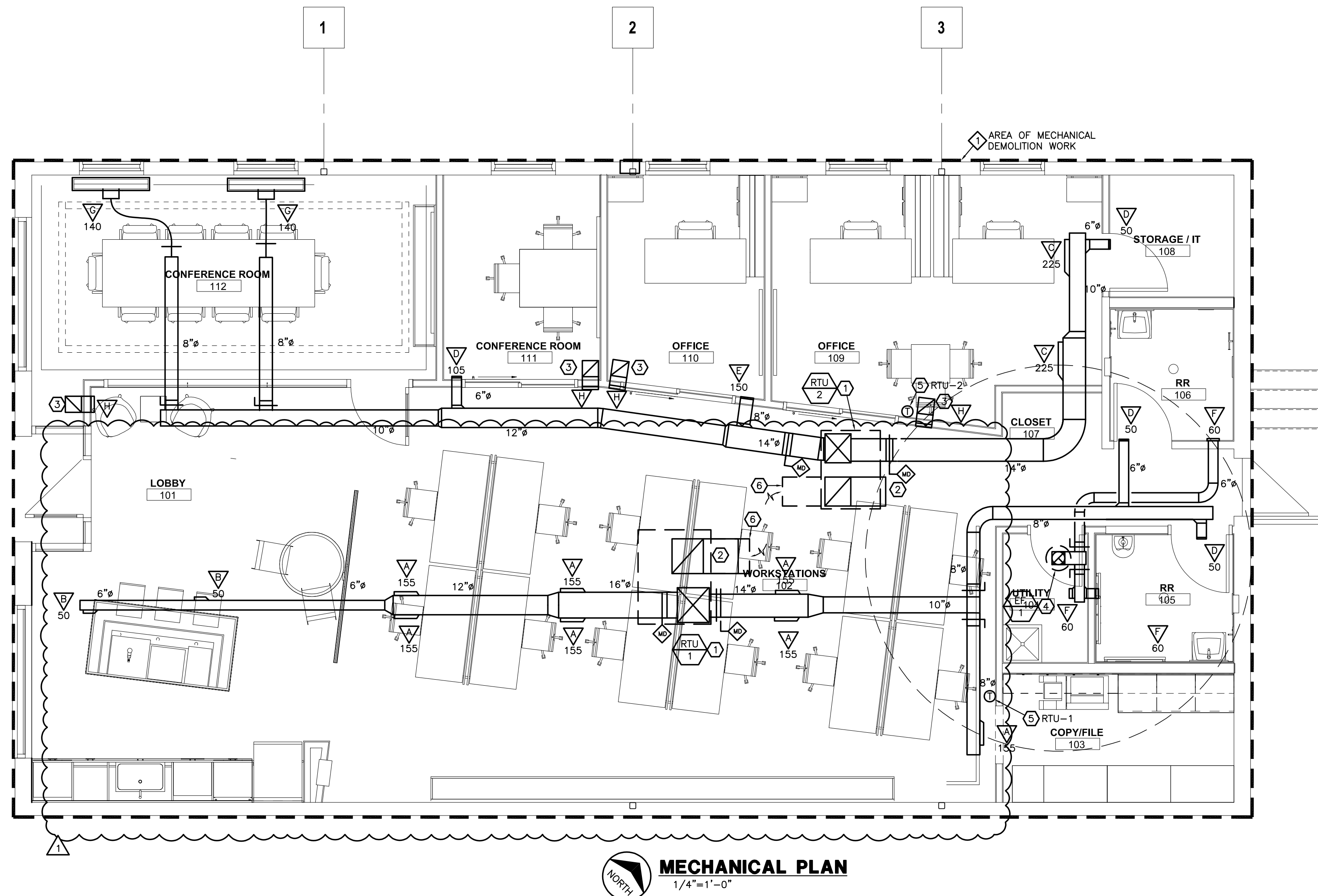
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- DUCTWORK DIMENSIONS LISTED ON PLANS INDICATE INTERNAL FREE AREA.

## MECHANICAL PLAN DEMOLITION NOTES

- DISCONNECT AND REMOVE ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, AND ACCESSORIES. PATCH AND REPAIR AND EXTERIOR WALL AND ROOFTOP PENETRATIONS PER ARCHITECTURAL SPECIFICATIONS.

## MECHANICAL PLAN NOTES

- PROVIDE NEW ROOFTOP UNIT AND CURB ON ROOF. COORDINATE FINAL LOCATION WITH STRUCTURAL ENGINEER. ROUTE 1/2" LINED SUPPLY AND RETURN DUCTWORK DOWN THROUGH CURB TO SPACE BELOW.
- PROVIDE 1/2" LINED RETURN BOOT ON UNIT RETURN.
- PROVIDE 1/2" LINED 10X10 RETURN AIR TRANSFER BOOT POINTED UP TOWARDS CEILING.
- PROVIDE NEW EXHAUST FAN AND CURB ON ROOF. COORDINATE FINAL LOCATION WITH STRUCTURAL ENGINEER. ROUTE EXHAUST DUCTWORK DOWN THROUGH CURB TO SPACE BELOW.
- PROVIDE THERMOSTAT AND CONTROL WIRING FOR ROOFTOP UNIT. MOUNT THERMOSTAT AT SAME ELEVATION AS ADJACENT LIGHT SWITCHES AND WALL ACCESSORIES. COORDINATE FINAL LOCATION AND FINISH WITH ARCHITECT.
- OUTSIDE AIR INTAKE HOOD ON ROOFTOP EQUIPMENT.



**MECHANICAL PLAN**  
1/4"=1'-0"

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ELECTRIC WATER HEATER SCHEDULE

<div>MARK</div> <div></div>	MANUFACTURER	MODEL NO.	TYPE	TANK LINING	STORAGE (GALLONS)	RECOVERY GAL./HR	TEMP RISE °F	ELECTRICAL					REMARKS
								KW	VOLT	ø	HZ	AMPS	
EWH-1	LOCHINVAR	LCA-20(6)	ELECTRIC	GLASS	20	25	100	6	240	1	60	25	SEE NOTES.

NOTES

1. PROVIDE ONE EXPANSION TANK WITH ASME RATING AND CAPACITY OF 10 GALS. AMTROL THERM-X-ROL ST-25V-C.
2. SET OPERATING TEMPERATURE OF WATER HEATER AT 140°F AND CIRCULATE 140°F HOT WATER THRU SYSTEM. PROVIDE POINT OF USE MIXING VALVES ON HOT WATER SUPPLY TO FAUCETS.
3. PROVIDE A 210°F TEMPERATURE AND 150 PSI PRESSURE RELIEF VALVE WITH TEST LEVER SIZED WITH AGA/CGA TEMPERATURE STEAM RATING 10% OVER HEATER INPUT.

PUMP SCHEDULE

MARK 	MANUFACTURER	MODEL	TYPE	DESIGN CONDITIONS			MOTOR DATA		ELECTRICAL	SERVICE	REMARKS
				FLUID TEMP (°F)	FLOW (GPM)	PRESSURE HEAD (FT)	CONTROL HEAD (FT)	MOTOR RPM	MOTOR WATTS		
PP-1	BELL & GOSSETT	ECOCIRC 20-18	INLINE CIRCULATOR	140	4	10	3	3638	70	120/1/60	DOMESTIC WATER CIRCULATION NOTES 1,2,&3

NOTES:

- 1) FURNISH COMBINATION MOTOR STARTER/DISCONNECT SWITCH TO ELECTRICAL CONTRACTOR FOR INSTALLATION.
- 2) PROVIDE CONTROL FOR DOMESTIC HOT WATER CIRCULATION TO MAINTAIN A MINIMUM OF 135°F RETURN WATER TEMPERATURE.
- 3) PROVIDE ISOLATION VALVES, STRAINER, AND CHECK VALVE. REFER TO DETAIL.

GENERAL PLUMBING DEMO NOTES

CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.

COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISERS AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.

AFTER REMOVING PIPING SUSPENDED FROM STRUCTURE ABOVE CEILING, AND DOWN IN PARTITIONS TO SERVE FIXTURE AND EQUIPMENT - REPAIR ALL WALLS, CEILINGS, AND FLOORS, THAT ARE TO REMAIN AFTER THE REMODELING IS FINISHED.

ALL PIPING NOT EXISTING TO REMAIN SHALL BE DISCONNECTED AND REMOVED FROM EXISTING PLUMBING SYSTEM.

ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY, INCLUDING APPLICABLE SECTIONS OF NFPA, OSHA, INTERNATIONAL BUILDING CODES, OR ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.

PLUMBING SYMBOLS LEGEND

---	EXISTING TO REMAIN
----	EXISTING TO BE REMOVED
---	COLD WATER (CW)
---	HOT WATER (HW)
----	HOT WATER RECIRCULATION (HWC)
---	SAN
---	SANITARY WASTE, ABOVE GRADE
---	SAN
---	SANITARY WASTE, BELOW GRADE
---	ST
---	STORM LINE, ABOVE GRADE
---	ST
---	STORM LINE, BELOW GRADE
---	V
---	PLUMBING VENT
D	INDIRECT DRAIN
UP/DN	PITCH UP/DN IN FLOW OF ARROW
→	FLOW ARROW
T	TEMPERED WATER
HB	HOSE BIBB (HB) OR WALL HYDRANT (WH)
FCO	FLOOR CLEANOUT
WCO	WALL CLEANOUT
CO	CLEANOUT
FD	FLOOR DRAIN, ROUND
FS	FLOOR SINK
ELBOW DOWN	ELBOW DOWN
ELBOW UP	ELBOW UP
TEE DOWN	TEE DOWN
TEE UP	TEE UP
END CAP	END CAP
CHECK VALVE	CHECK VALVE
REDUCER - CONCENTRIC	REDUCER - CONCENTRIC
REDUCER - ECCENTRIC	REDUCER - ECCENTRIC
UNION - SCREWED	UNION - SCREWED
SHUT-OFF VALVE	SHUT-OFF VALVE
DEMOLITION PLUMBING PLAN NOTE	DEMOLITION PLUMBING PLAN NOTE
PLUMBING PLAN NOTE	PLUMBING PLAN NOTE
FIRE PROTECTION PLAN NOTE	FIRE PROTECTION PLAN NOTE
FIXTURE IDENTIFICATION	FIXTURE IDENTIFICATION
REVISION NOTE	REVISION NOTE
POINT OF CONNECTION NEW/EXISTING	POINT OF CONNECTION NEW/EXISTING
AF/AFG	ABOVE FINISHED FLOOR/GRADE
CW	COLD WATER
D	DRAIN
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
FW	FILTERED WATER
GD	GARBAGE DISPOSER
HW	HOT WATER
HWC	HOT WATER CIRCULATION
IW	INDIRECT WASTE
L	LAVATORY
MB	MOP BASIN
MXV	MIXING VALVE
NPCW	NON - POTABLE COLD WATER
S	SINK
SAN	SANITARY WASTE
T	TEMPERED HOW WATER
TR	TEMPERED HOT WATER RETURN
UR	URINAL
WC	WATER CLOSET
WH	WALL HYDRANT

NOTE: NOT ALL SYMBOLS AND ABBREV. ARE APPLICABLE TO THIS PROJECT.

FIXTURE BRANCH SCHEDULE

MARK	DESCRIPTION	C.W.	H.W.	WASTE	VENT	REMARKS
WC	WATER CLOSET	3/4"	-	3"	2"	FLUSH TANK FLOOR MOUNTED
S	SINK	1/2"	1/2"	2"	1 1/2"	COUNTER MOUNTED
LV	LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"	WALL HUNG
MB	MOP BASIN	1/2"	1/2"	3"	2"	FLOOR MOUNTED
FD	FLOOR DRAIN	-	-	*	2"	
UR	URINAL	3/4"	-	2"	2"	WALL HUNG

NOTE: PIPE SIZES SHOWN ARE MINIMUM AND REQUIRED UNLESS NOTED OTHERWISE.

PLUMBING FIXTURE SCHEDULE

MARK	MANUF.	MODEL NO.	DESCRIPTION
FD-1	SIoux CHIEF	822 SERIES	FINISH-LINE HALO SYSTEM, ENAMEL-COATED DUCTILE IRON BODY WITH NO-HUB CONNECTION, WITH 18 GAUGE STAINLESS STEEL DECK MOUNTING FLANGE 9 1/2" IN DIAMETER, WITH BRONZE HEEL-PROOF GRATE WITH VANDAL PROOF SCREWS, WITH 0" TO 3/4" ADJUSTABLE STRAINER, FOR USE IN SUSPENDED SLABS WITH TOP OF DRAIN FLUSH WITH FINISHED FLOOR.
FCO	SIoux CHIEF	822 SERIES	FINISH-LINE HALO SYSTEM, ENAMEL-COATED DUCTILE IRON BODY WITH NO-HUB CONNECTION, WITH 18 GAUGE STAINLESS STEEL DECK MOUNTING FLANGE 9 1/2" IN DIAMETER, WITH BRONZE FLOOR CLEANOUT COVER WITH VANDAL PROOF SCREWS, WITH 0" TO 3/4" ADJUSTABLE STRAINER, FOR USE IN SUSPENDED SLABS WITH TOP OF DRAIN FLUSH WITH FINISHED FLOOR.
TG-1	RECTORSEAL	SURESEAL	TRAP GUARD: INLINE HDPE HOUSING WITH INLINE DIAPHRAGM AND SOFT EPDM RUBBER SEALING GASKET PER ASSE 1072.
LV-1	TOTO	LT307.4	WALL HUNG SINK (SINGLE), 20-7/8"x18" VITREOUS CHINA LAVATORY BASIN, WITH CONCEALED CARRIER ARM, 4" CENTERS, 4" TAIL PIECE, AND 1-1/2" GRID STRAINER OPENING, ADA COMPLIANT.
MXV	KOHLER	K-99760-4N	FAUCET: SINGLE LEVER OPERATED 0.5 GPM, MATTE BLACK FINISH 4-1/4" TALL 4-3/16" REACH RIGID SPOUT WITH SINGLE HOLE MOUNT. CERAMIC DISK VALVES. MEETS NSF/ANSI 61.
MXV	WATTS	SERIES LM495	THERMOSTATIC TEMPERING VALVE CONSTRUCTED OF SOLID BRASS. ALL INTERNAL COMPONENTS SHALL BE CORROSION-RESISTANT. VALVE SHALL FEATURE INTERNAL CHECK TO PREVENT CROSS-FLOW AND INLET SCREENS TO FILTER OUT DEBRIS. VALVE SHALL BE CSA B125 CERTIFIED, ASSE 1016 AND 1070 LISTED. 1/2" INLETS, 1/2" OUTLET.  PROVIDE OFF-SET GRID STRAINER AND TAILPIECE WITH 1-1/2" 17-GAUGE CHROME-PLATED SEMI-CAST BRASS OFF-SET P-TRAP WITH CLEANOUT AND WASTE ARM TO WALL WITH ESCUTCHEON, RISERS WITH LEAD FREE CHECK VALVES AND LEAD FREE QUARTER TURN LOOSE KEY ANGLE STOPS. WHERE PIPING AND ACCESSORIES ARE EXPOSED BELOW COUNTERTOP, PROVIDE ADA COMPLIANT VANDAL RESISTANT INSULATED COVERS.  REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
S-1	ELKAY	ELUH281610PD	SINK: UNDER COUNTER MOUNTED 30-3/4"x18-1/2"x10" DEEP SINGLE COMPARTMENT 18 GAUGE 304 STAINLESS STEEL WITH SATIN FINISH, 1 1/2" DRAIN OPENING, HEAVY DUTY SOUND GUARD UNDERCOATING, SEAL LIP OF SINK BASIN TO UNDERSIDE OF COUNTERTOP WITH SILICONE CAULK. PROVIDE UNDERMOUNT BRACKETS.
MXV	DELTA	TRINSIC (LS)9159-ARLS-DST	FAUCET: MANUAL, MATTE BLACK FINISH, 16-5/8" TALL 9" REACH GOOSENECK, 140" LIMITED SWIVEL SPOUT, 1 1/2" HP MOTOR WITH MANUAL RESET OVERLOAD, PERMANENTLY LUBRICATED UPPER AND LOWER BEARINGS, STAINLESS STEEL GRINDING ELEMENTS WITH TWO 360 DEGREE SWIVEL LUGS. OVERALL HEIGHT OF 11-1/2", 1-1/2" CUSHIONED SLIP JOINT DRAIN CONNECTION. PROVIDE DISHWASHER DRAIN CONNECTION AND FACTORY INSTALLED POWER CORD.
MXV	WATTS	SERIES LM495	THERMOSTATIC TEMPERING VALVE CONSTRUCTED OF SOLID BRASS. ALL INTERNAL COMPONENTS SHALL BE CORROSION-RESISTANT. VALVE SHALL FEATURE INTERNAL CHECK TO PREVENT CROSS-FLOW AND INLET SCREENS TO FILTER OUT DEBRIS. VALVE SHALL BE CSA B125 CERTIFIED, ASSE 1016 AND 1070 LISTED. 1/2" INLETS, 1/2" OUTLET.
MXV	INSINKERATOR	BADGER 5	GARBAGE DISPOSAL: CONTINUOUS FEED WITH WALL SWITCH ON/OFF CONTROL. 120V/1 PHASE/60 HZ, 1/2 HP MOTOR WITH MANUAL RESET OVERLOAD, PERMANENTLY LUBRICATED UPPER AND LOWER BEARINGS, STAINLESS STEEL GRINDING ELEMENTS WITH TWO 360 DEGREE SWIVEL LUGS. OVERALL HEIGHT OF 11-1/2", 1-1/2" CUSHIONED SLIP JOINT DRAIN CONNECTION. PROVIDE DISHWASHER DRAIN CONNECTION AND FACTORY INSTALLED POWER CORD.
WC-1	TOTO	CWT42727CMFG#MS	WATER CLOSET: WHITE VITREOUS CHINA WITH ANTI-MICROBIAL CERAMIC GLAZE, 1.28/0.09 GPF DUAL FLUSH SYSTEM, D-SHAPE BOWL, WALL MOUNTED, COMPACT.
	TOTO	WT172M	CARRIER: IN-WALL CARRIER AND TANK UNIT, 1.28/0.9 GPF DUAL FLUSH SYSTEM, 1/2" NPT WATER SUPPLY CONNECTION WITH ADDITIONAL 1/2" NPT WATER SUPPLY CONNECTION FOR WASHLET, RATED FOR 880 LB. MEETS ASME A112.6.2. PROVIDE WITH FLUSH SYSTEM PUSH PLATE IN WHITE FINISH.
	TOTO	SS227#01	TOILET SEAT: SOLID PLASTIC D-SHAPED SEAT WITH SOFTCLOSE SYSTEM. INTEGRAL BUMPERS. HINGES TO BE COLOR MATCHED WITH METAL STUD AND NUT. PROVIDE MANUFACTURER'S MOUNTING HARDWARE.  REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
WB-1	SIoux CHIEF	696 SERIES	ICE MAKER WALL BOX: NSF-372 COMPLIANT, WITH ASSE1010 MINI ARRESTOR, STANDARD PACK WITH WHITE FRAME.PROVIDE BOX WITH EXTENSION COLLAR AND TRIM RING. MOUNT WITHIN CASEWORK.
UR-1	TOTO	UT10SLVG	URINAL: WHITE VITREOUS CHINA WITH ANTI-MICROBIAL CERAMIC GLAZE, WALL HUNG, WASHOUT LOCATION.
	TOTO	TEU2UA11#SS	FLUSH VALVE: CONCEALED CHROME FINISH, 0.125 GPF, POWERED WITH SENSOR OPERATED PISTON TYPE FLUSH VALVE, WITH MANUAL MECHANICAL OVERRIDE BUTTON. PROVIDE MANUFACTURER'S HYDROPOWERED ENERGY GENERATING ACCESSORY. BRASS PISTON WITH CHLORAMINE RESISTANT EPDM SEAT AND SEALS, SELF CLEANING MECHANISM, ESCUTCHEON, INTEGRAL QUARTER TURN LOOSE KEY ANGLE STOP, VACUUM BREAKER, AND SWEAT ADAPTER KIT.  FLOOR MOUNTED CARRIER WITH HANGER PLATE AND BEARING PLATE BY J.R. SMITH. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
MB-1	STERN-WILLIAMS	SB-902	24"x24"x12" MOP SERVICE BASIN, CAST BRASS DRAIN, STAINLESS STEEL DOME STRAINER, 3" DRAIN CONNECTION, WITH STAINLESS STEEL BUMPER GUARD ON ALL SIDES, 10" STAINLESS STEEL BACK PANEL ON TWO SIDES, WILLIAMS NO. T-35 3 FT. RUBBER HOSE WITH STAINLESS STEEL WALL BRACKET. PROVIDE WALL HUNG MOP RACK.
	ZURN	ZB431M1-RC	SERVICE SINK FAUCET, POLISHED CHROME FINISH, BUILT-IN STOPS, LEVER HANDLES, LOWER WALL BRACE ASSEMBLY, VACUUM BREAKER, 3/4" HOSE THREAD ON SPOUT, PAIL HOOK, AND INTEGRAL STOPS.

PLUMBING GENERAL NOTES

- A. SPECIFICATIONS, REFER TO "MECHANICAL" AND "PLUMBING" SECTION SERIES, "GENERAL CONDITIONS"/ "SUMMARY OF WORK" SECTIONS AND ELSEWHERE IN DRAWINGS FOR FURTHER INFORMATION AND REQUIREMENTS FOR PLUMBING CONTRACTOR.
- B. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS AND FIELD VERIFY ALL EXISTING UTILITY CONNECTIONS & COORDINATE WORK WITH OTHER TRADES PRIOR TO FLOOR CUTTING, LAYOUT OF PIPING, SUBMITTAL OF SHOP DRAWINGS OR ORDERING OF EQUIPMENT. IF ITEMS ARE DISCOVERED THAT AFFECT THE COMPLETION OF PROJECT WORK, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AT THIS TIME. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
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- D. COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE PIPE RISERS AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- E. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE PIPE, CONNECTIONS, ACCESSORIES, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- F. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURES ETC.
- G. REFER TO PLUMBING DETAIL SHEETS FOR SCHEDULES, DETAILS, AND FIXTURE CONNECTION SCHEDULES FOR FINAL PIPE CONNECTION SIZES TO FIXTURES.
- H. SUSPEND ALL HORIZONTAL SERVICE PIPING SHOWN ON THIS PROJECT SUCH AS, BUT NOT LIMITED TO, WATER, CHEM WASTE/ VENT, SAN, WASTE/VENT, GAS, ETC. FROM UNDERSIDE OF ROOF AND/OR FLOOR STRUCTURE, UNLESS OTHERWISE NOTED OR INDICATED. HOLD SUCH PIPING HIGH AS POSSIBLE. EXTEND PIPING DOWN IN WALLS, PARTITIONS, CHASES, ETC. TO SERVE FIXTURES AND EQUIPMENT AS SHOWN ON PLANS.
- I. PROVIDE GUARD (TG-1) ON ALL FLOOR DRAINS AND FLOOR SINKS.
- J. REFER TO LABORATORY EQUIPMENT DRAWINGS FOR FINAL EQUIPMENT CONNECTION REQUIREMENTS, I.E. LOCATION AND SIZE.
- K. ALL VALVES FOR MAINTENANCE SHUT OFF SHALL BE IN AN ACCESSIBLE LOCATION.
- L. SEAL ALL PIPE PENETRATIONS THROUGH FLOOR WITH A WATER TIGHT SEAL. REFER TO PIPE THROUGH CONCRETE FLOOR DETAIL ON DETAIL SHEET.
- M. DEAD LEGS LONGER THAN 24" ARE PROHIBITED IN DOMESTIC HOT WATER SYSTEM.

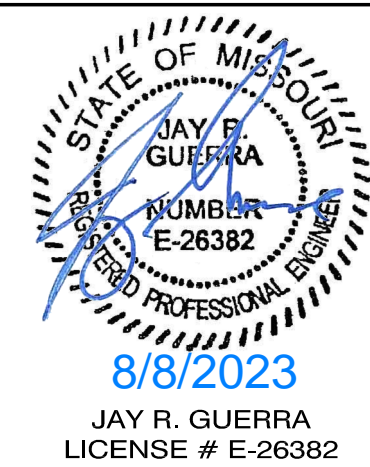
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PROFESSIONAL SEAL

PLUMBING LEGEND AND SCHEDULES

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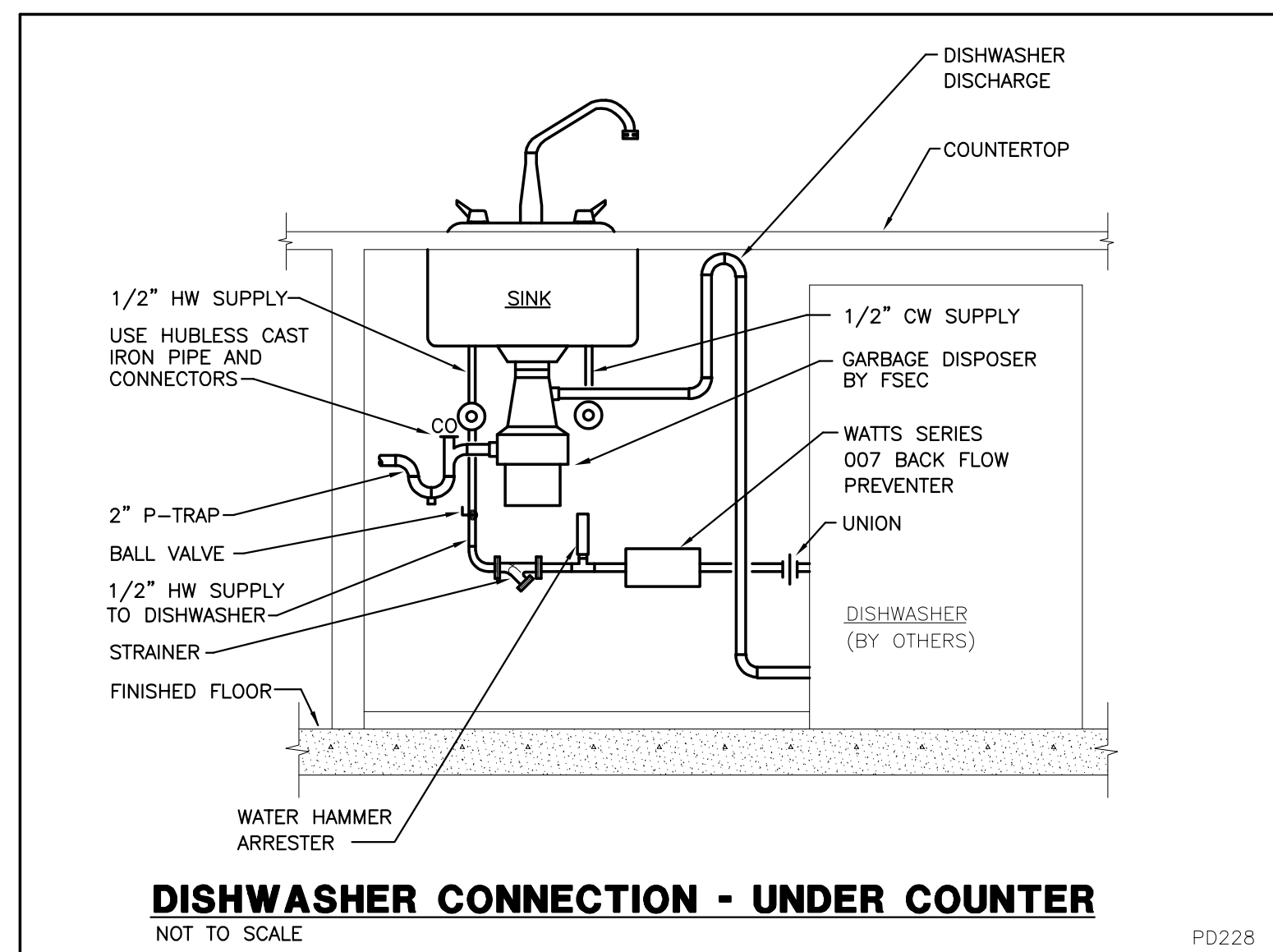
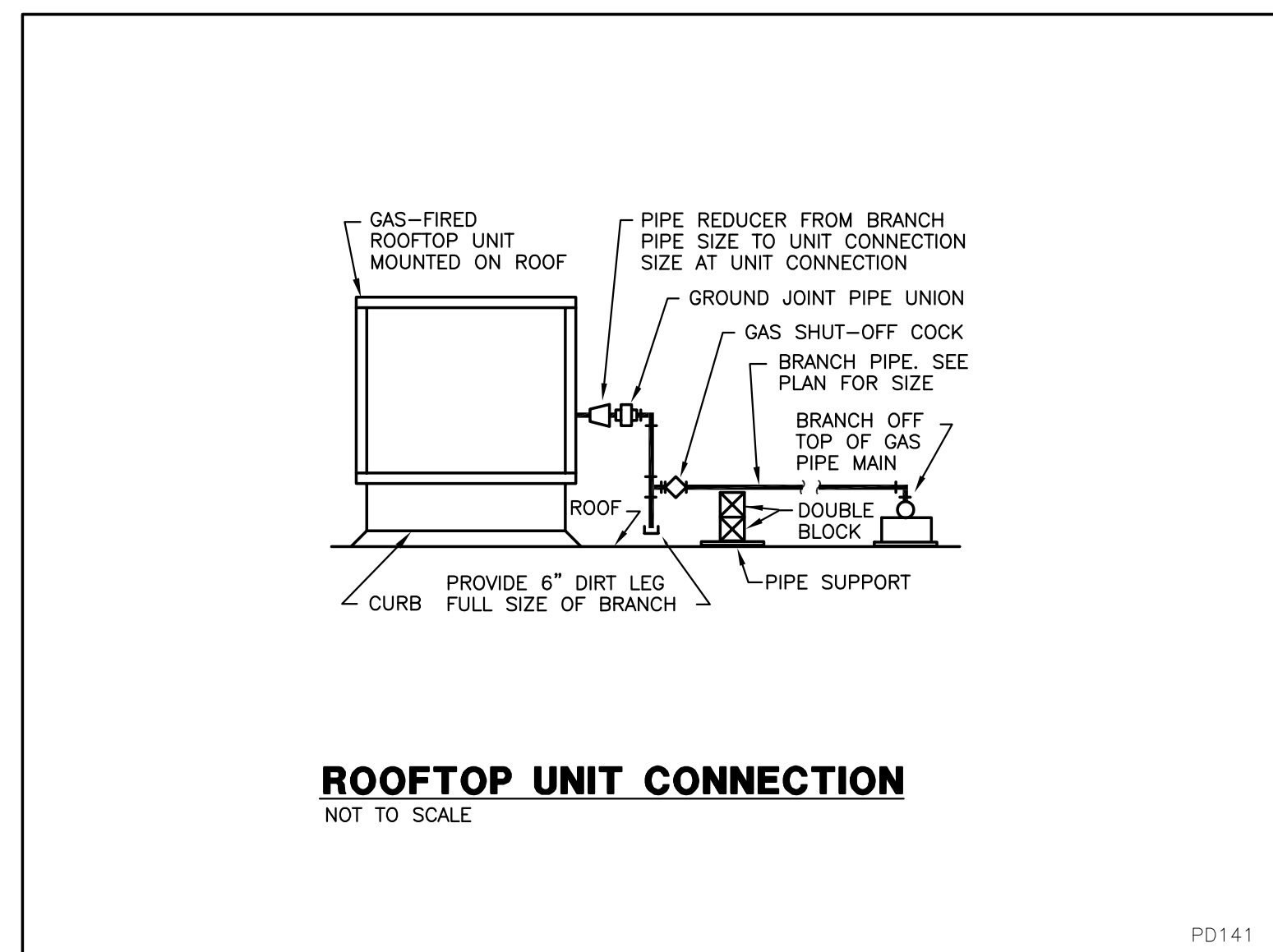
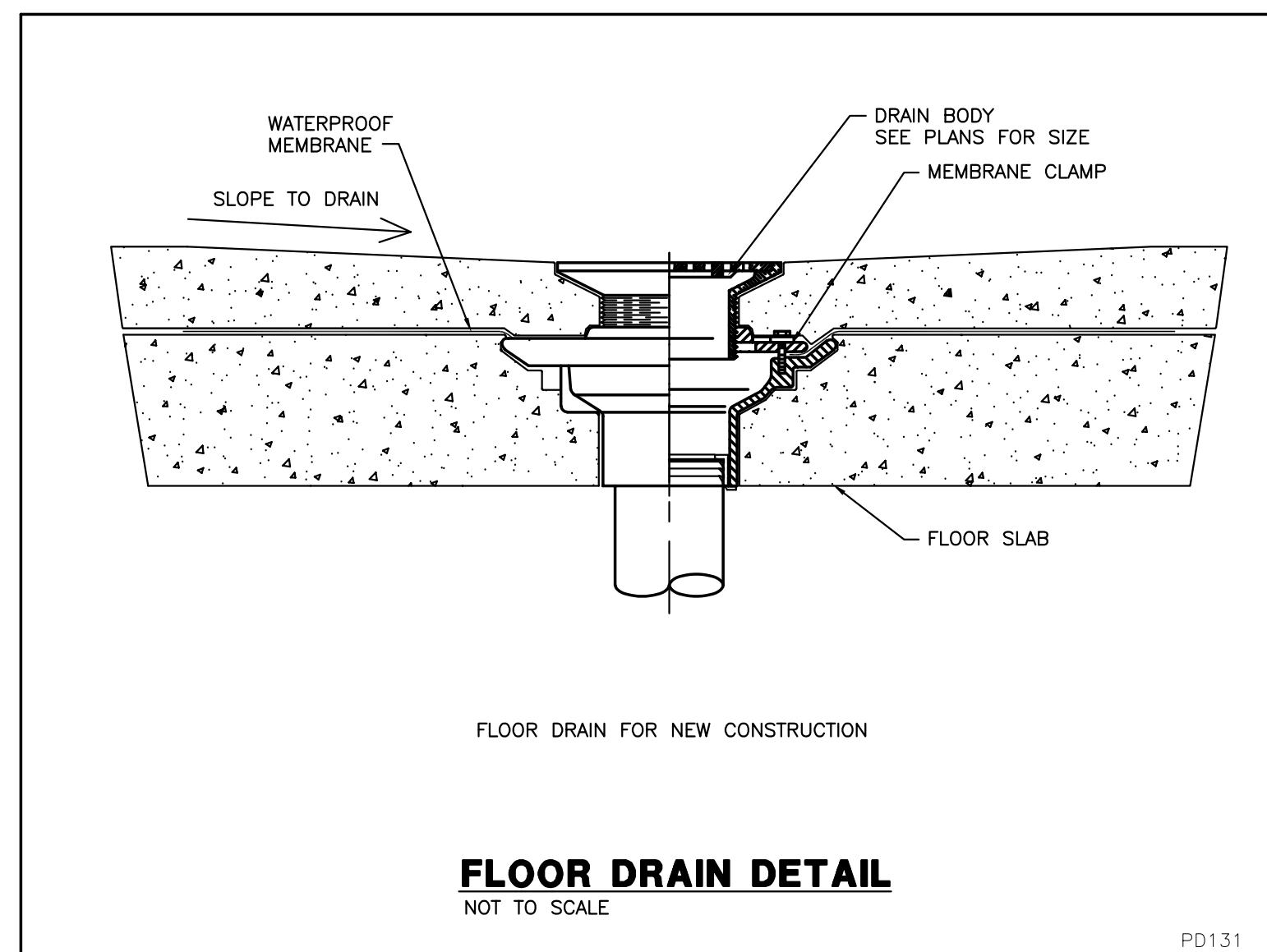
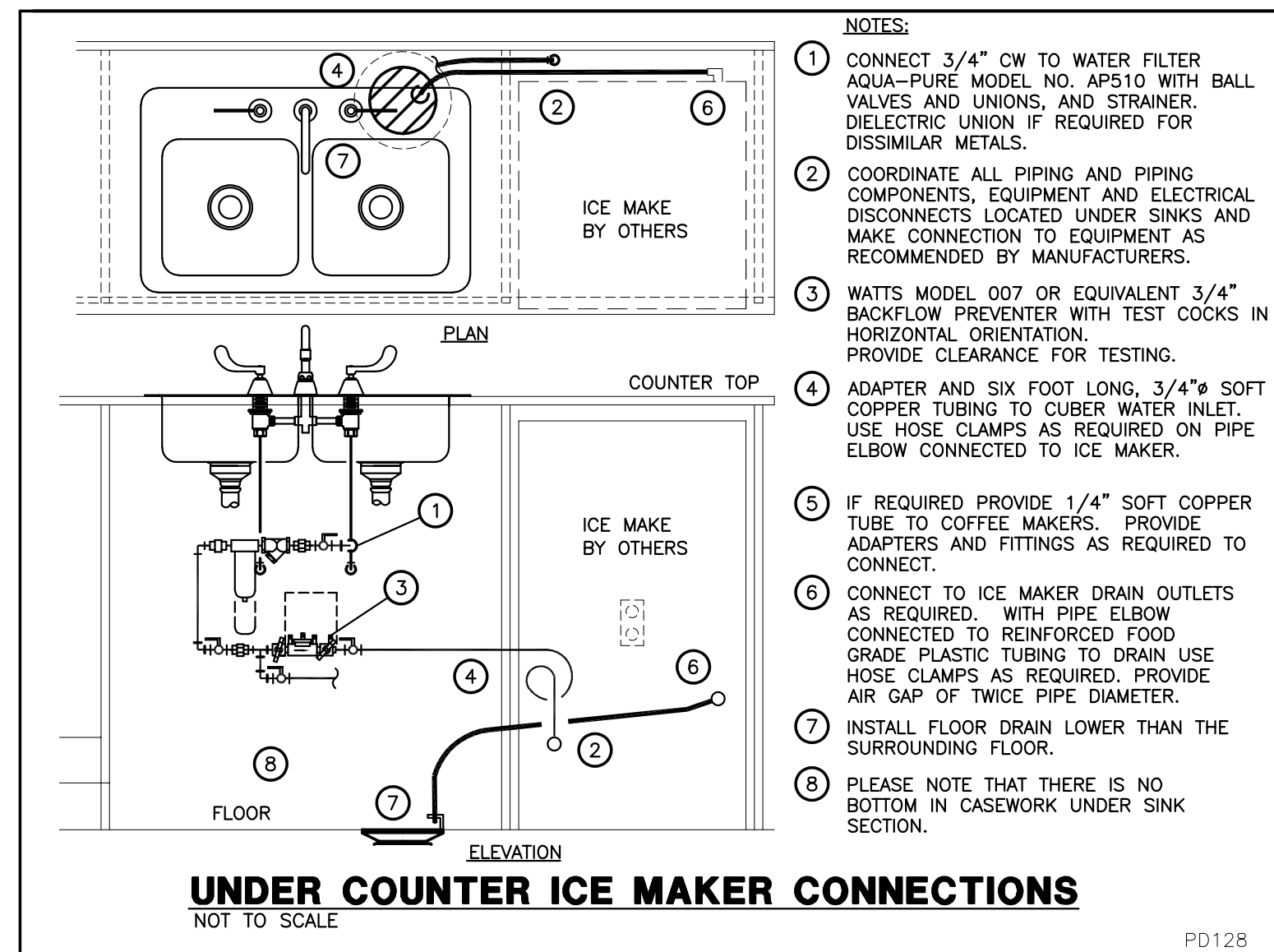
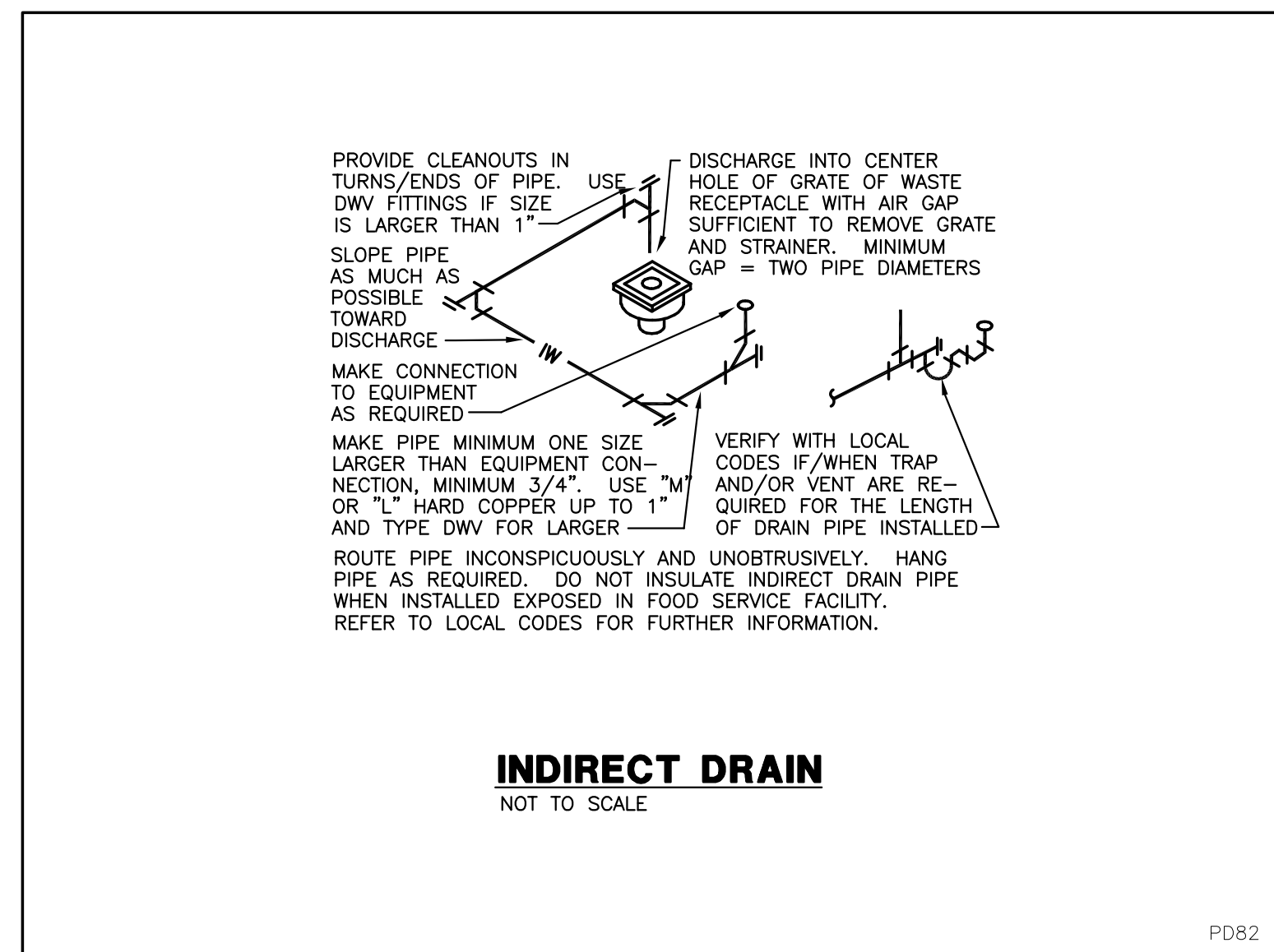
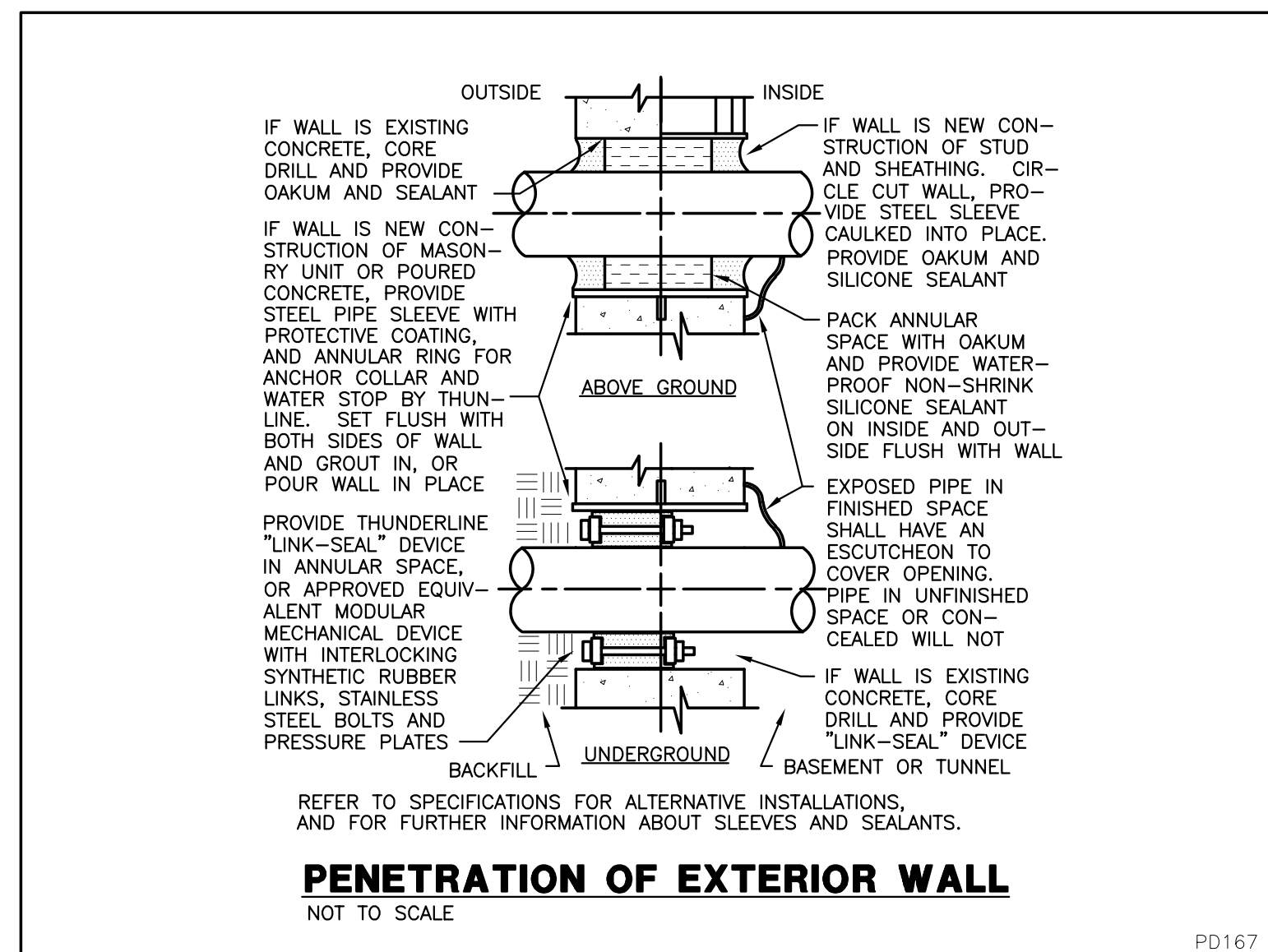
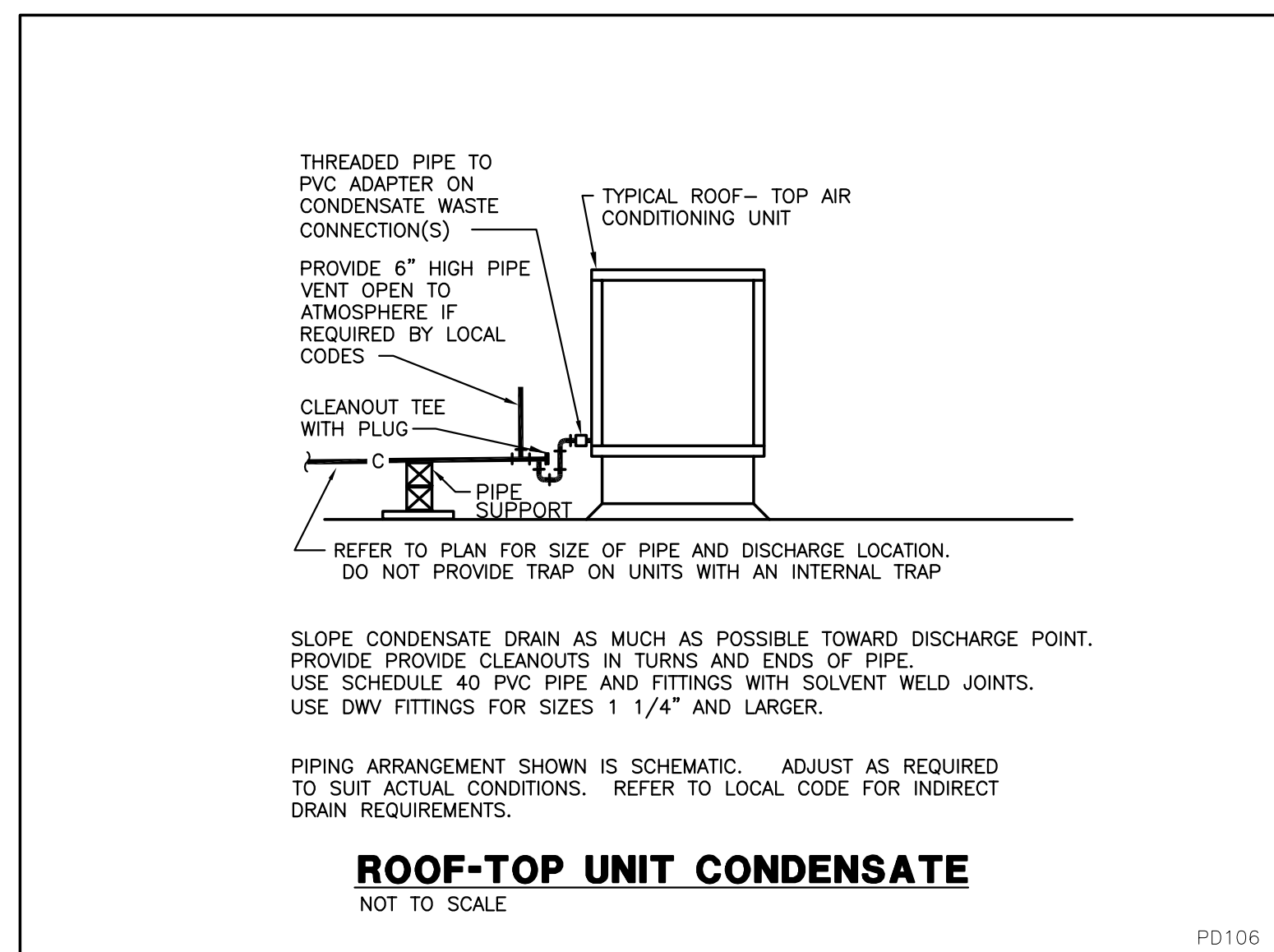
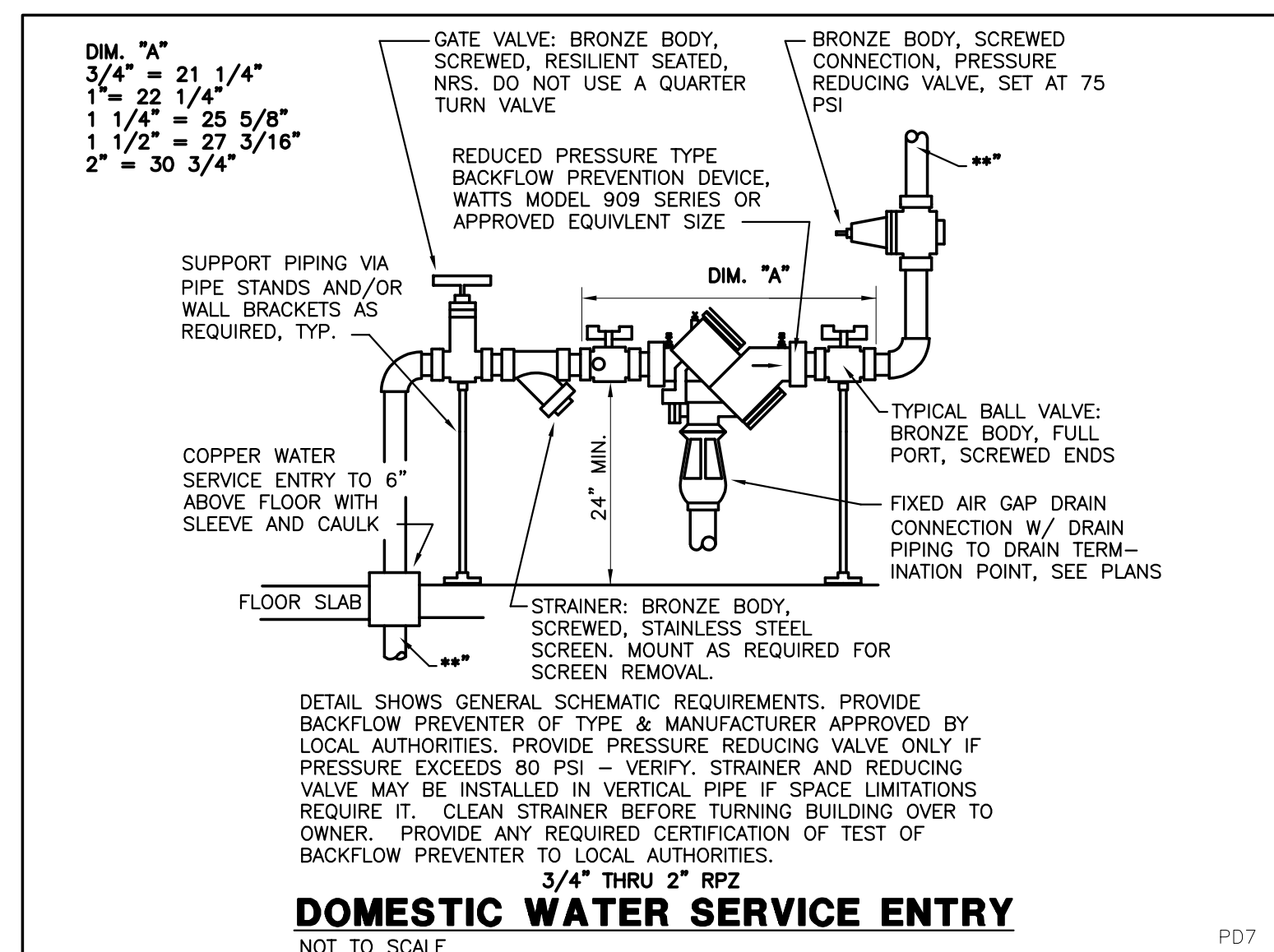
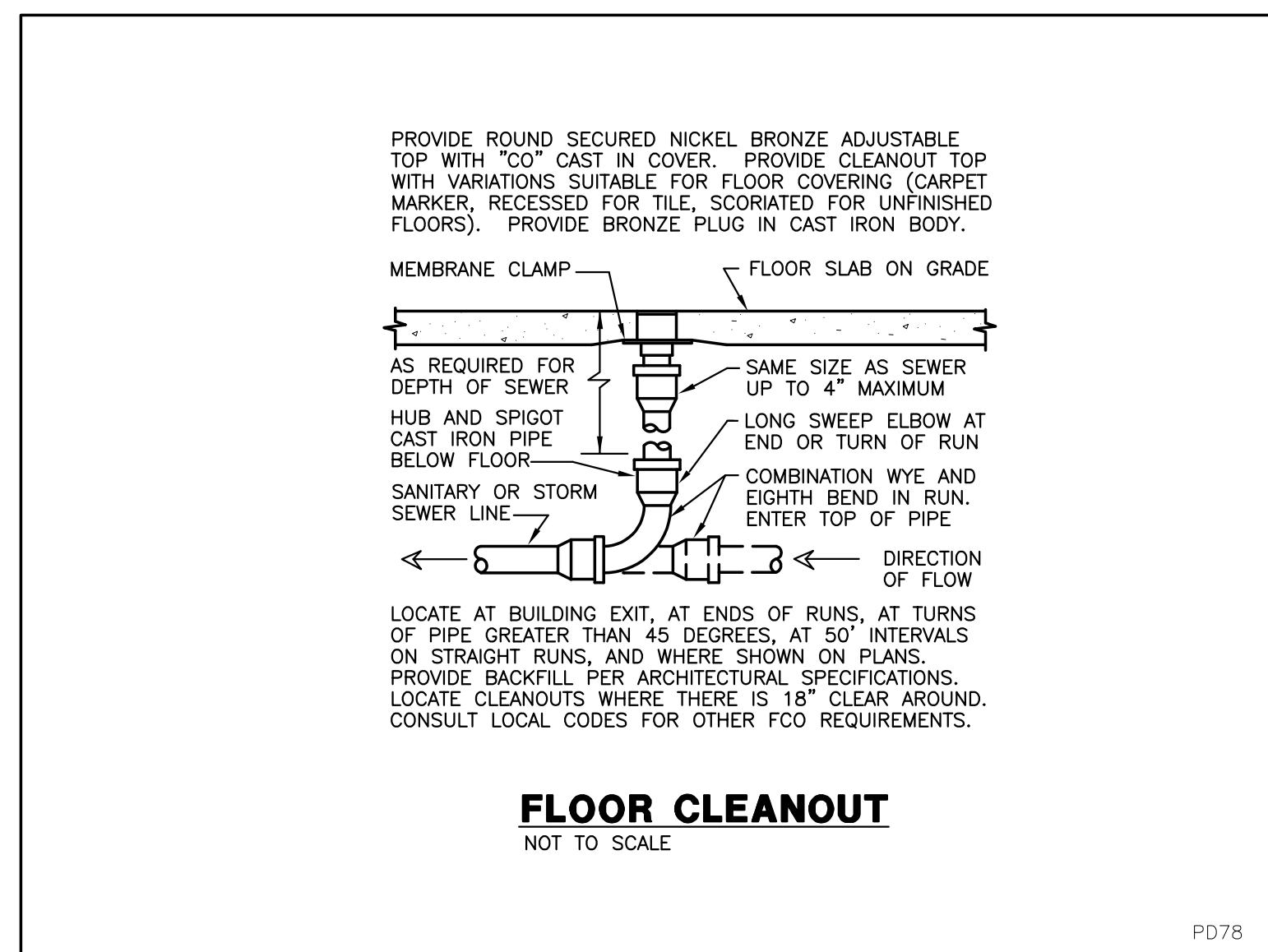
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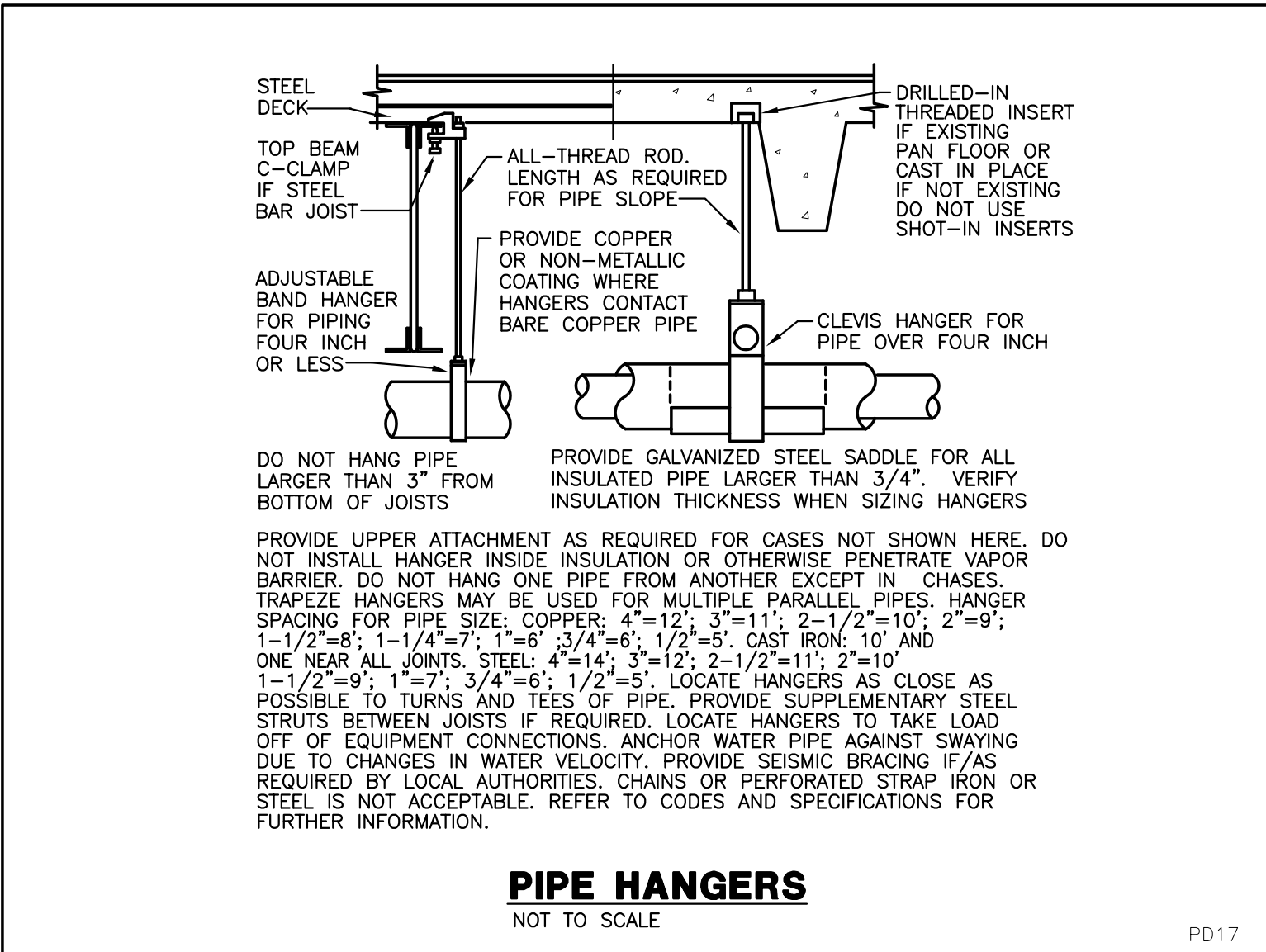
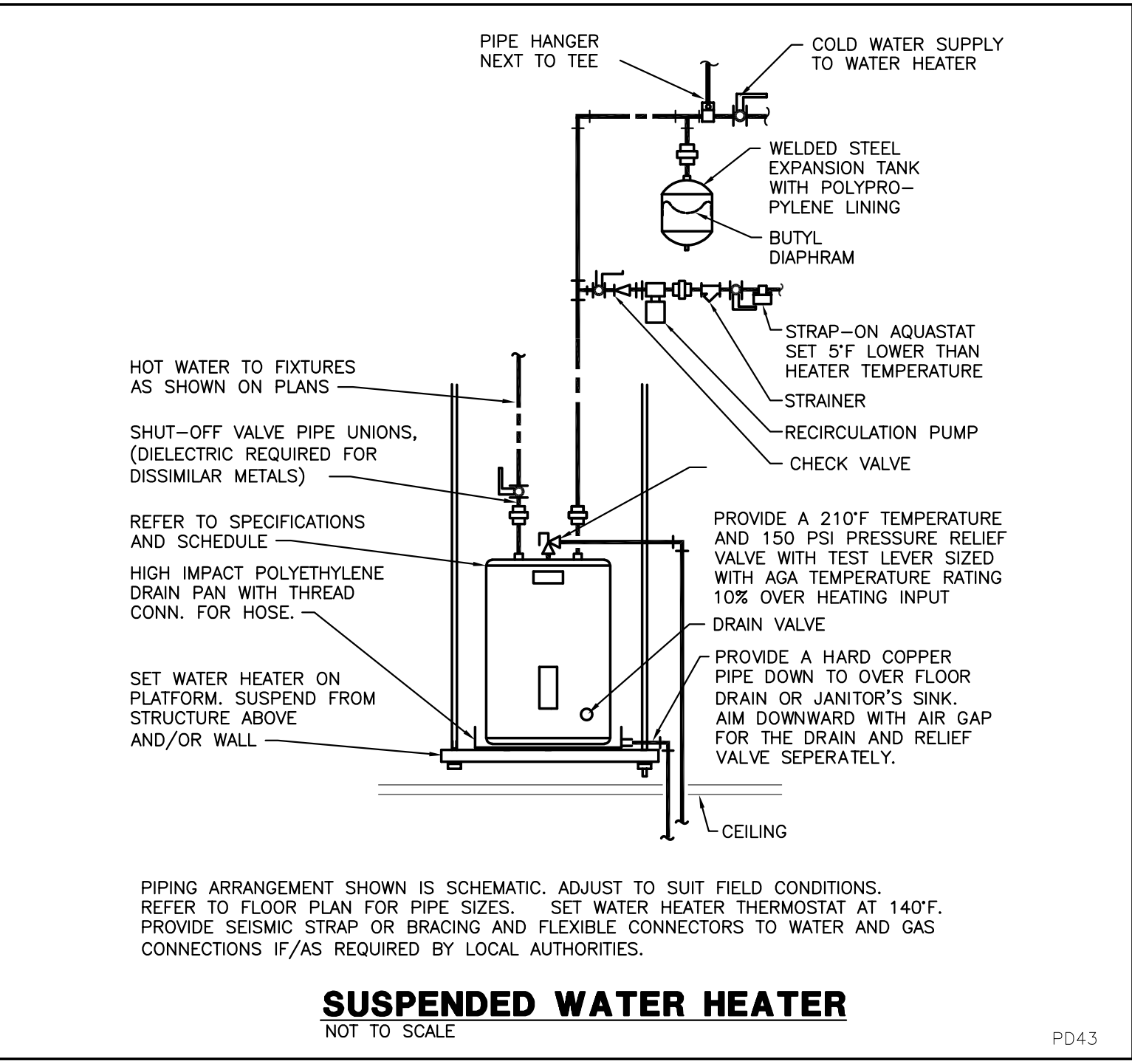
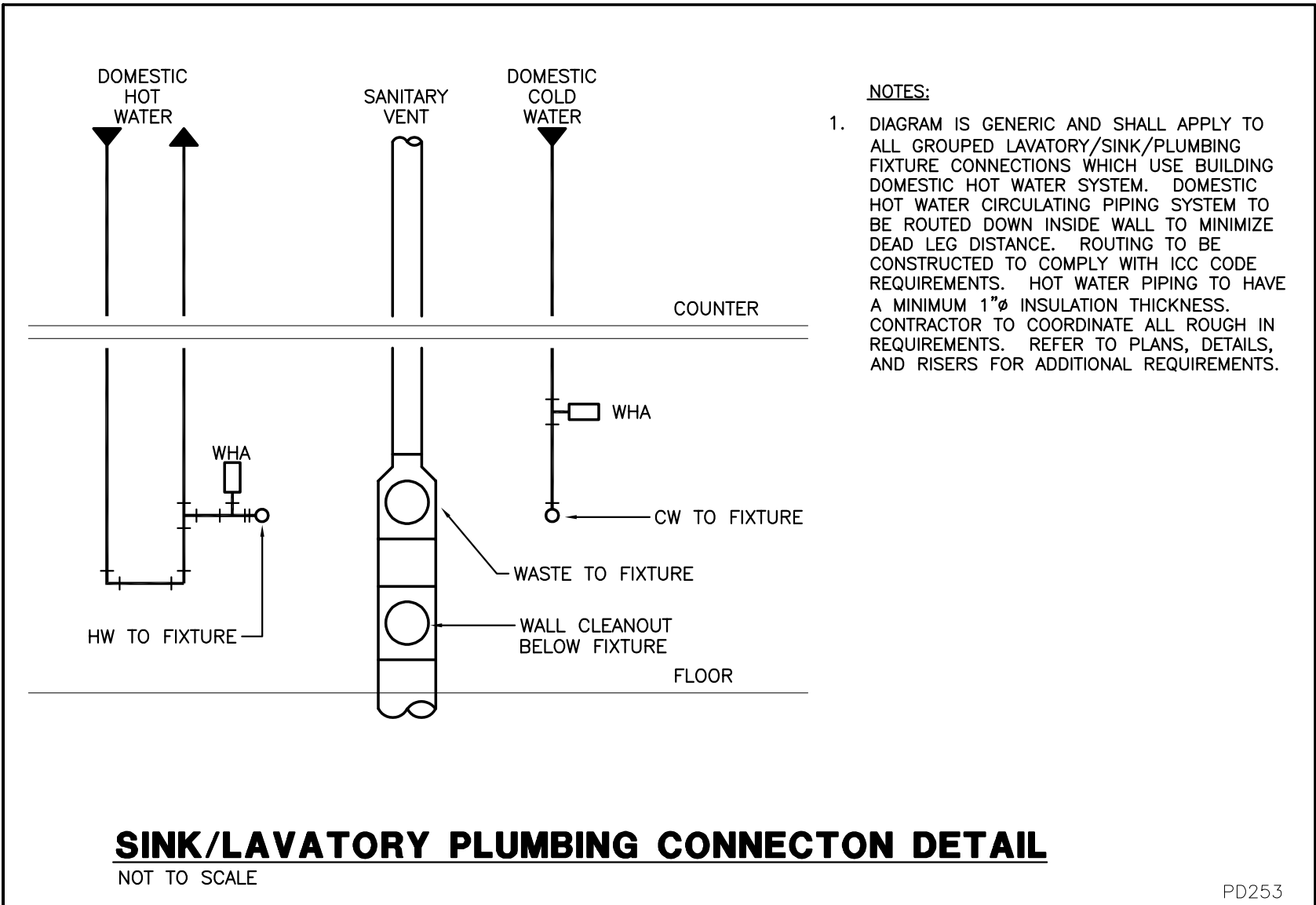
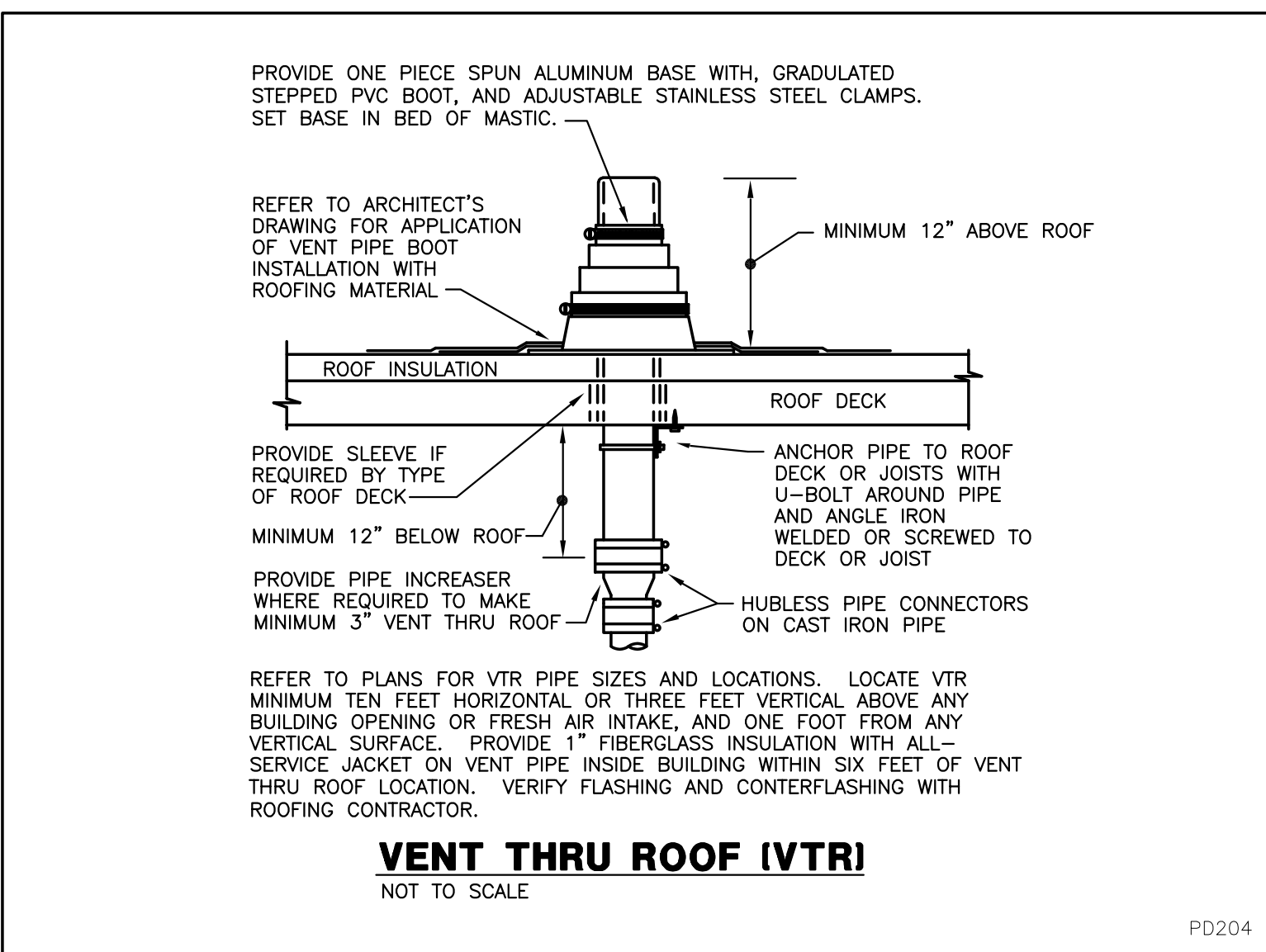
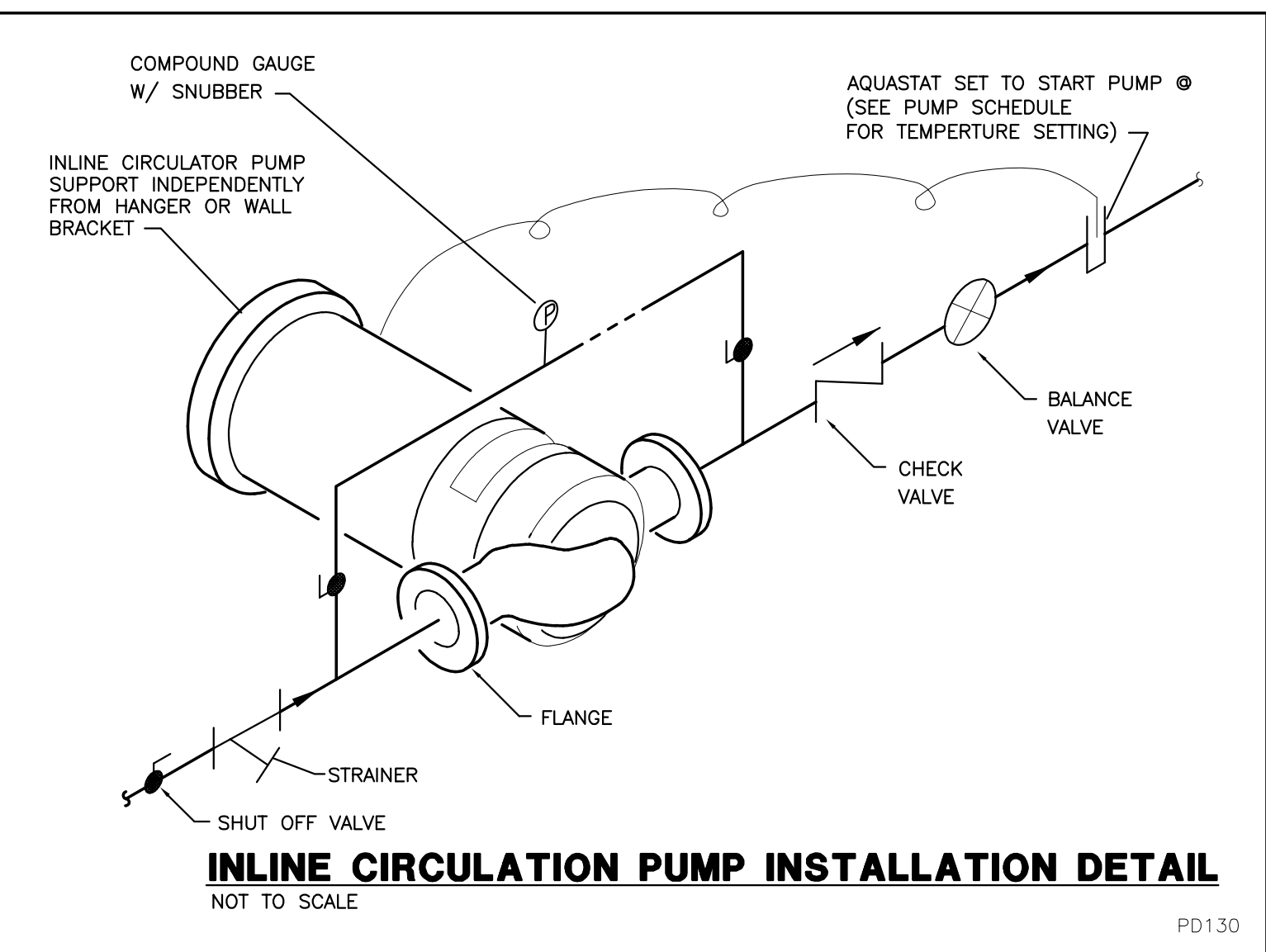
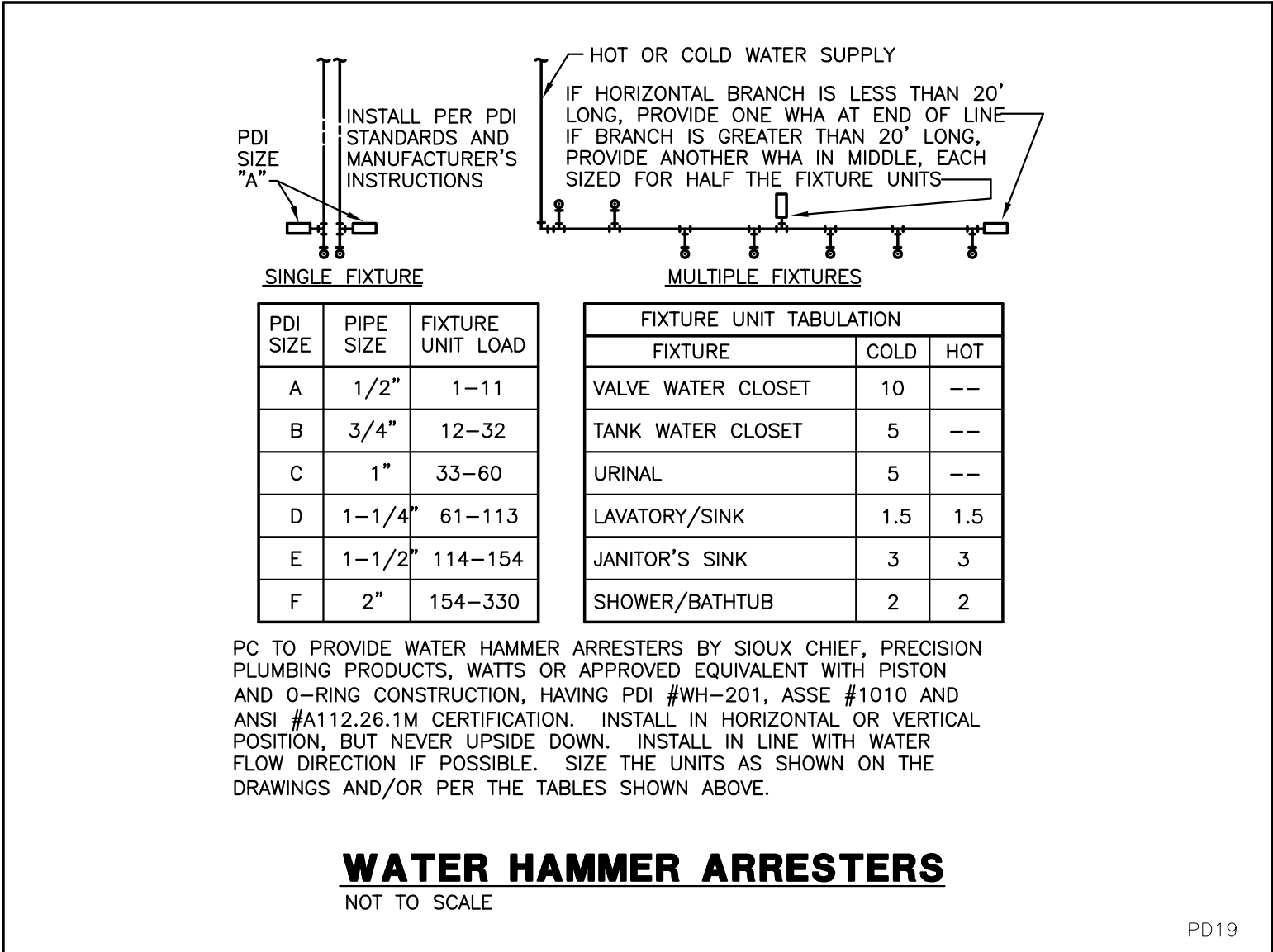
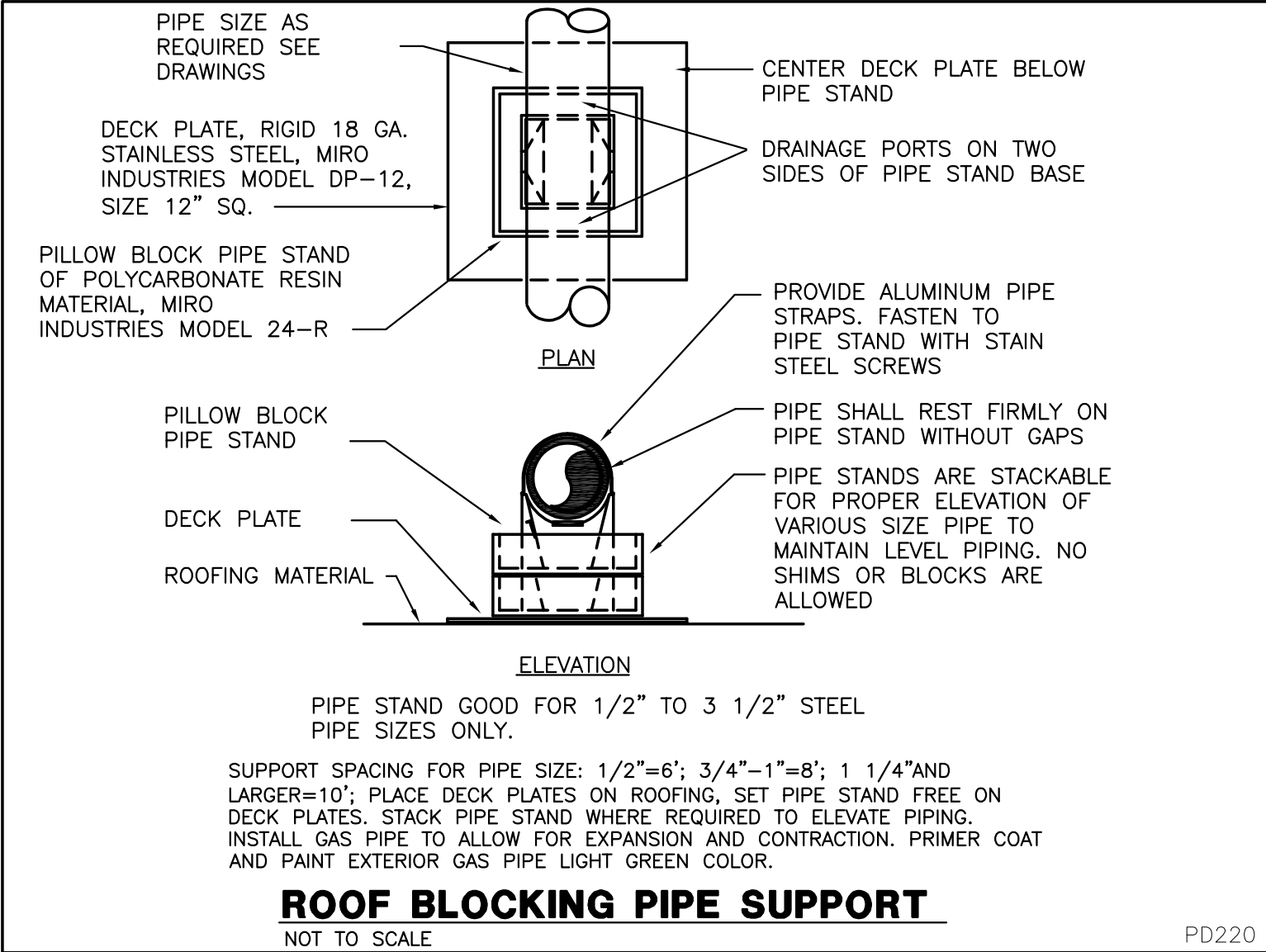
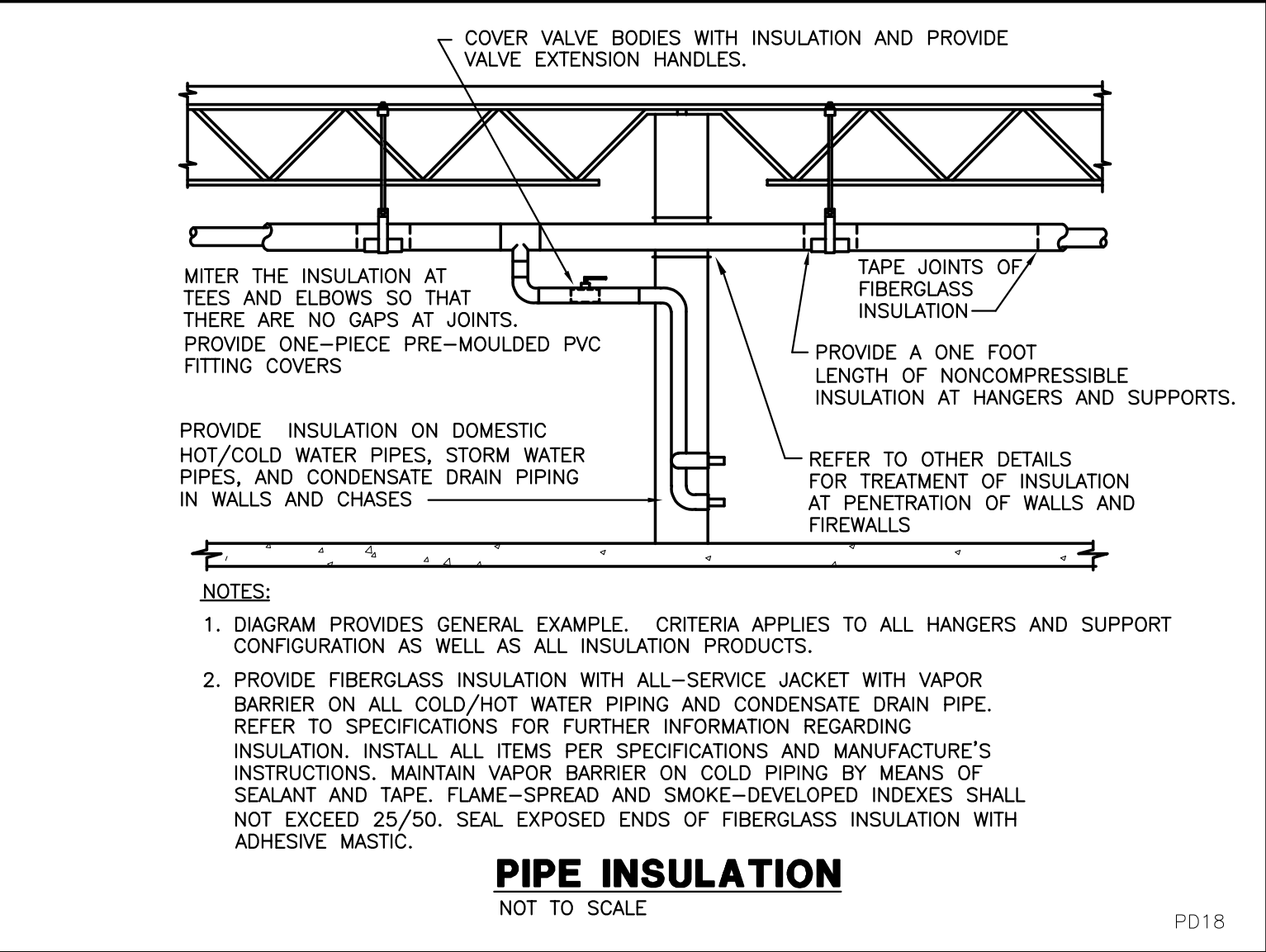
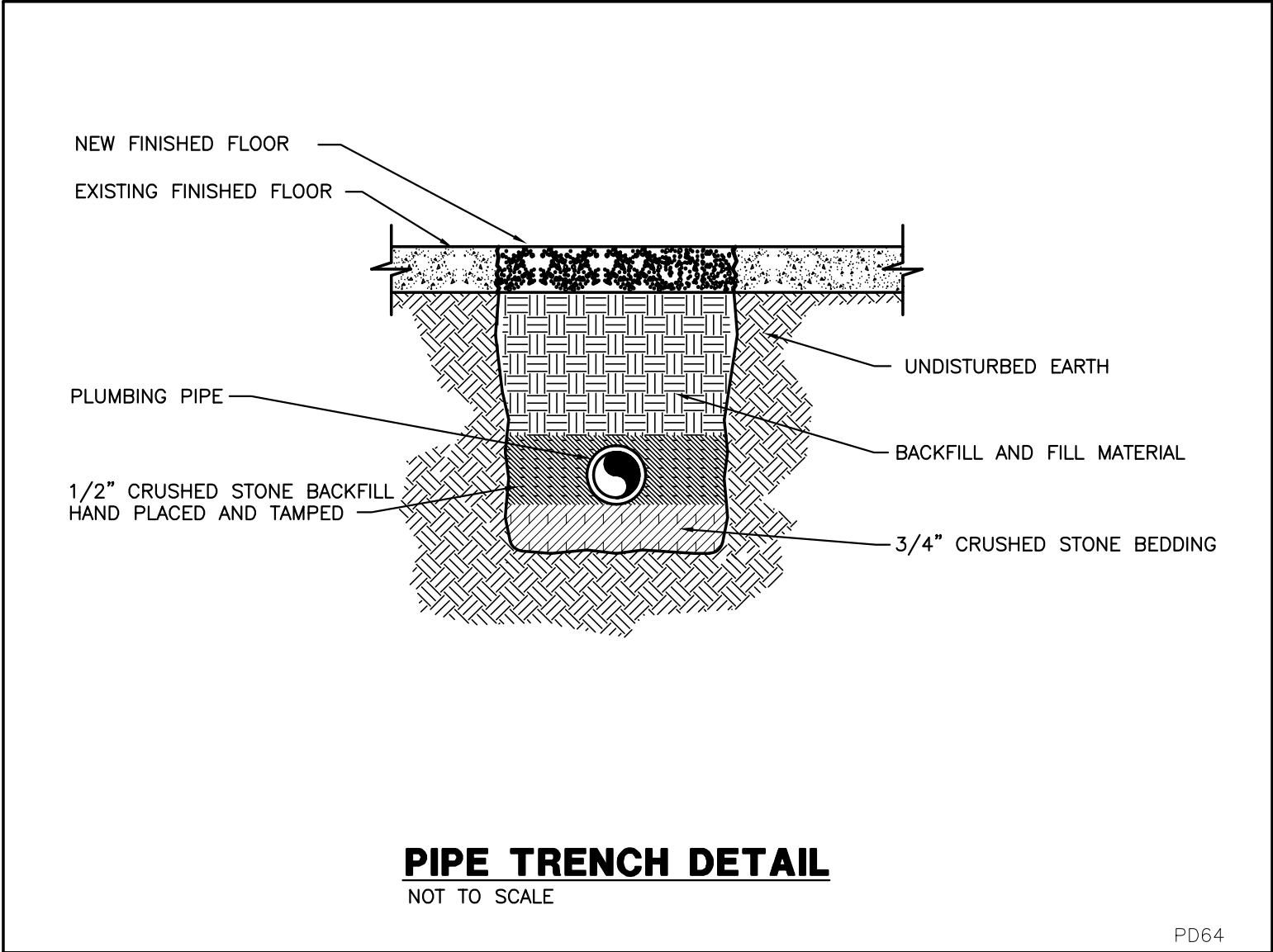
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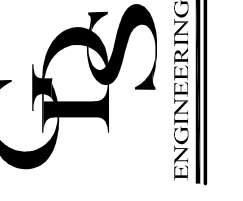


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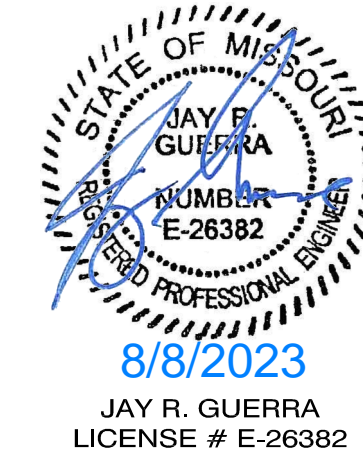


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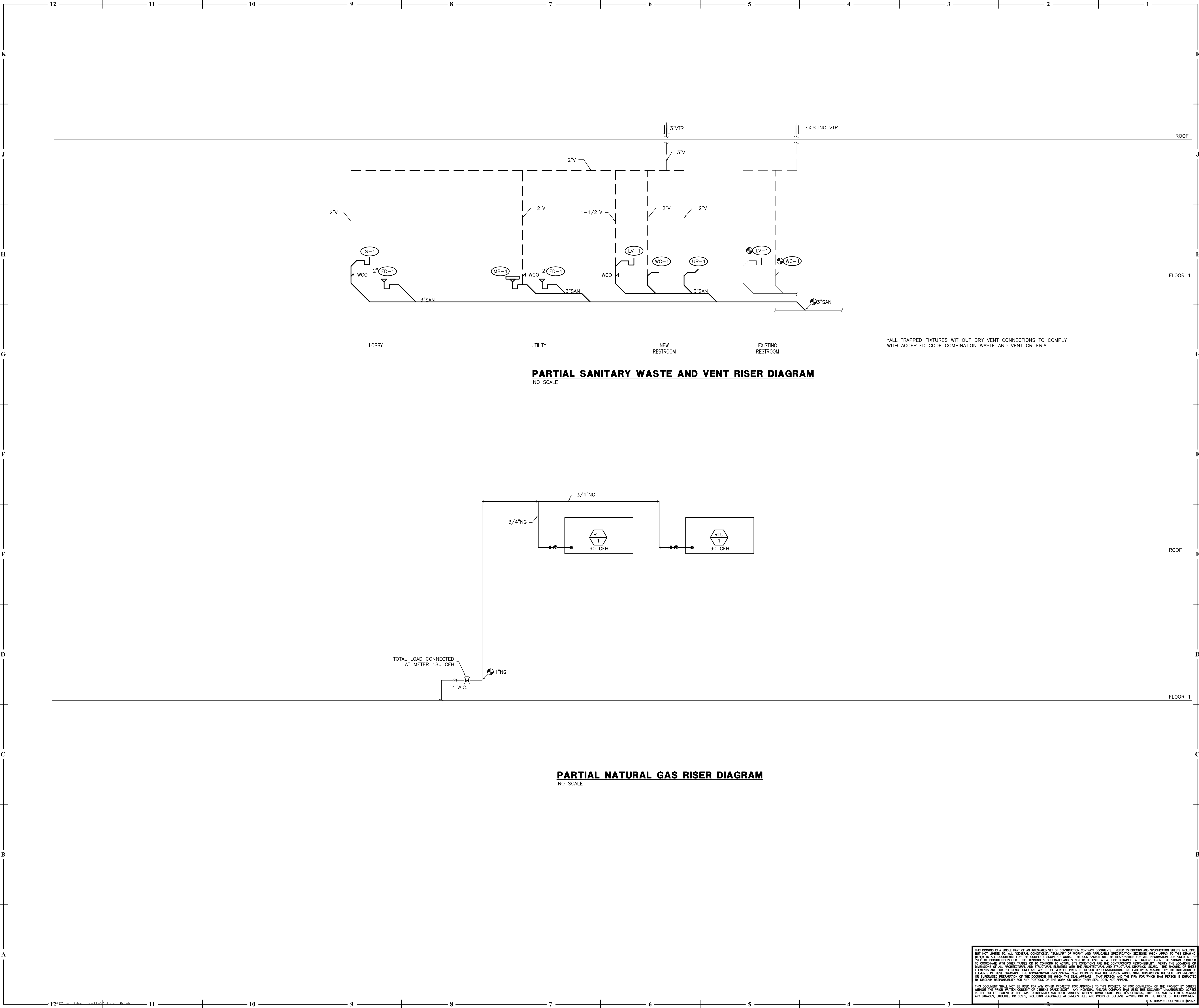
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MISSOURI PROFESSIONAL ENGINEERING  
900 E. AND STREET SUITE 100  
LEVITTOWN, MISSOURI 64063

**LEOK OFFICE RENOVATION**  
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JAY R. GUERRA  
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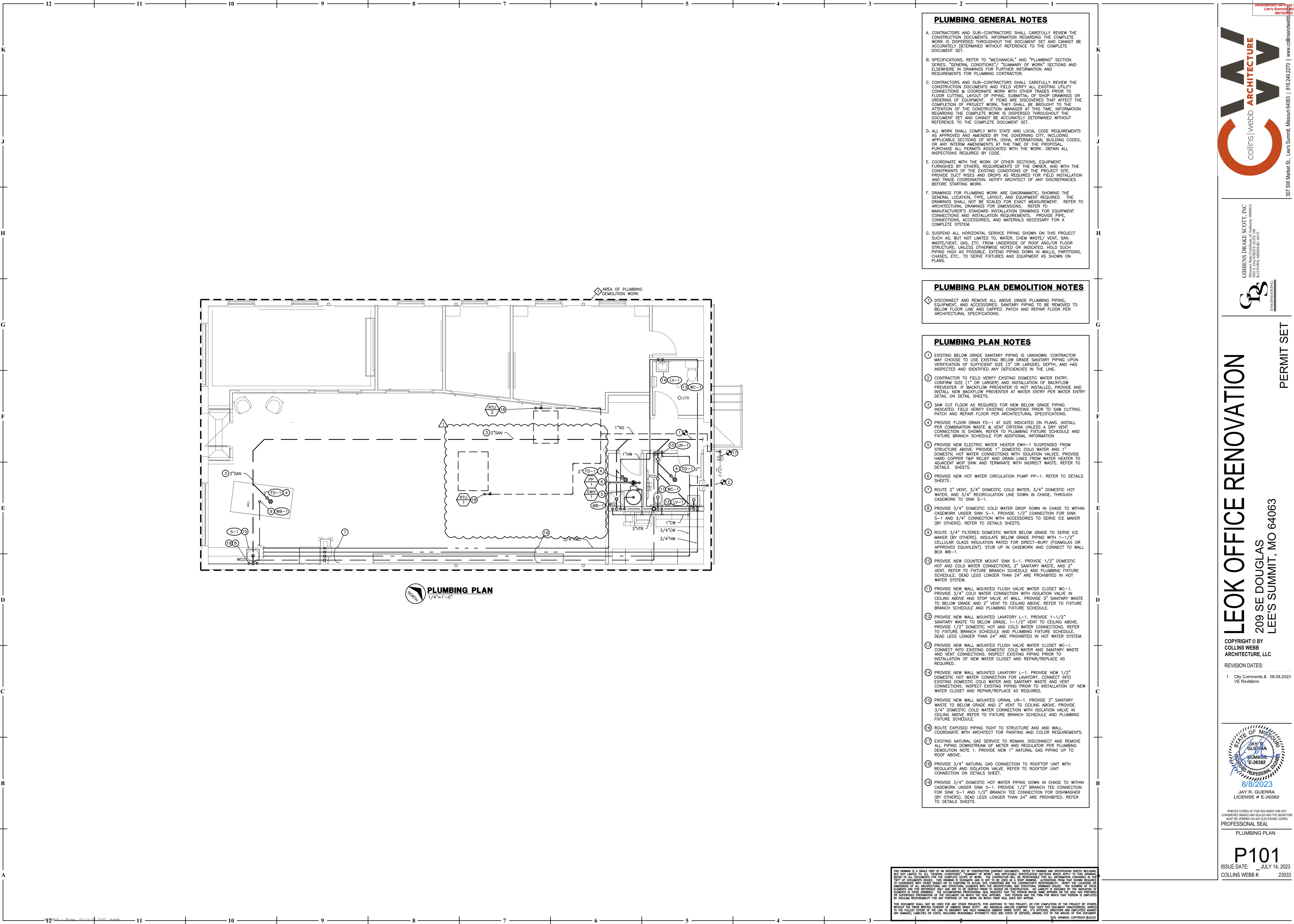
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PLUMBING RISER DIAGRAMS

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MAY 14, 2023  
901 E. 10TH STREET, SUITE 100  
KATY, TEXAS 77455

GS

ENGINEERS

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STATE OF MISSOURI

JAY R. GUERRA

NUMBER  
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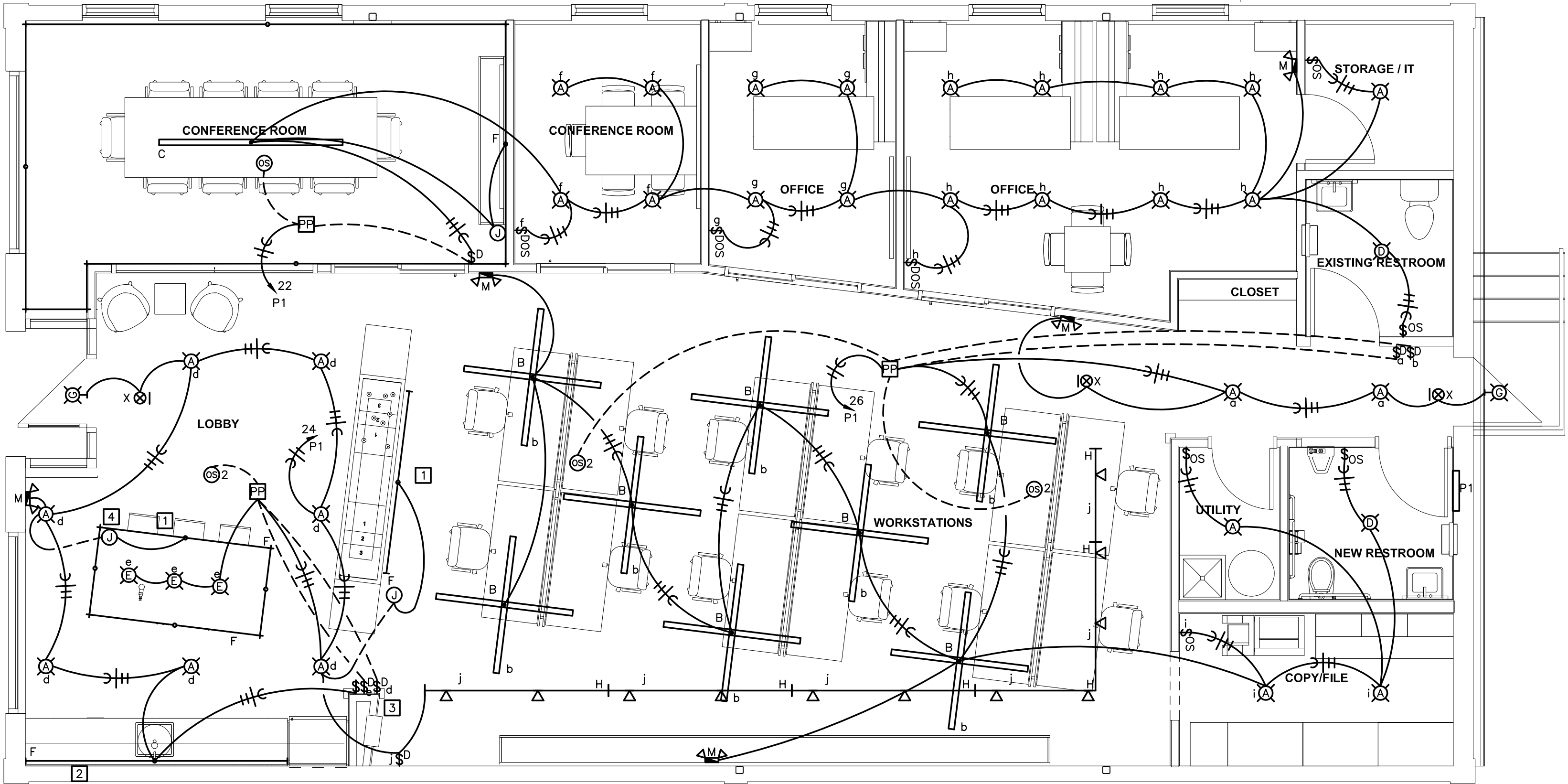


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LIGHT FIXTURE SCHEDULE				
TYPE	MANUFACTURER	LAMP	VOLTS WATTS	DESCRIPTION
A	HE WILLIAMS - #4CR-L15/935-BLK-DIM -UNV-LM-CS-AD-(xx) OR EQUAL	LED 3500°K 1500LM	277/120 17.7	4" CYLINDER PENDANT, 0-10V DIMMING DRIVER, 40" DISTRIBUTION, COORDINATE WITH ARCHITECT ON MOUNTING TYPE AND LENGTH, TEXTURED BLACK FINISH.
B	AXIS LIGHTING - TB2DLEDPAT-X(3x3x3x3)- 750-90-35-50-X-W- 120-DP-1-CTS(Ø)-OS(Ø) OR EQUAL	LED 3500°K 750LM/FT	120 91.2	CEILING MOUNTED LINEAR LED PENDANT, FLUSH SPOTLESS LENS, X-JUNCTION INSTALLATION AS INDICATED ON PLANS, 0-10V DIMMING DRIVER, SCREW SLOT MOUNTING TYPE, 36" CABLE LENGTH, WHITE FINISH.
C	AXIS LIGHTING - #TB2DILED-1000-300-90- 35-BW-50-8-BLK-120- DP-1-CA(Ø)-OS(Ø) OR EQUAL	LED 3500°K 750LM/FT	120-277 106.4	CEILING MOUNTED 8FT LINEAR LED PENDANT, FLUSH SPOTLESS LENS, 0-10V DIMMING DRIVER, DRYWALL MOUNTING TYPE, 36" CABLE LENGTH, BLACK FINISH.
D	GOTHAM - #EV06-35/20-AR-MWD-10- MOLT- GZ10-TRW OR EQUAL	LED 3500°K 850CRI 1500LM	120-277 19.7	6" CIRCULAR DOWNLIGHT, LINEAR DIMMING TO 10% MIN, FIXTURES ARE WET LOCATION, COVERED CEILING, CLEAR REFLECTOR COLOR, WHITE PAINTED FLANGE, WHITE-DIFFUSE FINISH.
E	EUREKA LIGHTING - #4038-LED.4-35-120- DV-S6-(xx)-RC-BLK-WH OR EQUAL	LED 3500°K 850CRI 425LM	120-277 4	CEILING MOUNTED LED PENDANT, 0-10V DIMMING, COORDINATE WITH ARCHITECT ON MOUNTING TYPE AND STEM LENGTH, STEEL HOUSING, BLACK STRUCTURE FINISH, WHITE BAFFLE FINISH.
F	PRIZM - #PZM-TLH-65-24V-RGBW -XX #PZM-SLOTLENS-(X)M OR EQUAL	LED 3000°K 90CRI 240LM/FT	24VDC 4.4W/FT	RGBW LED TAPE LIGHT, 10MM WIDTH, 22FT MAX RUN, CONTROL VIA DMX FOR COLOR AND DIMMING USING DMX RECEIVER, CUTTABLE EVERY 6.56", COORDINATE WITH ARCHITECT ON TAPE LIGHT LENGTH, IP65 RATING, MINI FLANGE FROSTED POLYCARBONATE LENS, ANODIZED ALUMINUM FINISH.
G	GARDOO - PWB-186L-1150-WW-G2 -3-UNV-DD-MMRI-PCB- F1-BK OR EQUAL BY: MICORAM-EDISON LITHONIA	LED 3000°K 85CRI 5,712 NOMINAL LUMENS	120-277 51	EXTERIOR WALL SCONCE WITH INTEGRAL MOTION SENSOR, INTEGRAL PHOTOCELL AND TYPE 3 DISTRIBUTION, PROVIDE 0-10V DIMMING DRIVER, MOUNT FIXTURE AT 9' AFF, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT, BLACK FINISH, PROVIDE WITH BATTERY PACK REMOTE MOUNTED INSIDE THE BUILDING ABOVE ACCESSIBLE CEILING.
H	COOPER LIGHTING HALO - #LB15MED10FL935MB OR EQUAL	LED 3500°K 90CRI 1104LM	120-277 12.7	4 INCH LED TRACK LIGHT HEAD, 45 DEGREE BEAM, BLACK PAINTED FINISH.
HT	COOPER LIGHTING HALO - #LE5(X)MBL902L980MB OR EQUAL	TRACK	120-277 3.6	1 CIRCUIT TRACK FOR LED LIGHT TRACK HEADS.
M	DUAL LITE - #LZ2B-03L OR EQUAL	LED	120-277 1.3	10 WATT CAPACITY LED LAMPS, LOW-VOLTAGE BATTERY DISCONNECT, WALL MOUNTING TYPE, LEAD-CALCIUM BATTERY TYPE, NFPA 70 AND NFPA 101 RATINGS, BLACK THERMOPLASTIC HOUSING.
X	DUAL LITE - #LECSGXNE OR EQUAL	LED	120-277 3.6	CEILING MOUNT, EDGE-LIT LED EXIT SIGN, SATIN ALUMINUM HOUSING, SINGLE FACE AS INDICATED ON PLANS, INJECTION-MOLDED ACRYLIC EXIT PLAQUE, CLEAR, GREEN LETTERING, EMERGENCY BATTERY.
LIGHT FIXTURE SCHEDULE NOTES: 1. VERIFY CEILING CONDITIONS AND COORDINATE LIGHT FIXTURE MOUNTING HARDWARE AND TRIMS NEEDED TO SUIT CEILING CONDITIONS PRIOR TO ORDERING. PROVIDE ALL NECESSARY HARDWARE, TRIM, AND CABLES. 2. VERIFY QUANTITIES, MODEL NUMBERS AND DESCRIPTIONS WITH MANUFACTURER PRIOR TO ORDERING. 3. VERIFY FINISH AND COLOR WITH ARCHITECT PRIOR TO PLACING ORDER. 4. REFER TO ARCHITECTURAL DRAWINGS AND DETAILS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND ADDITIONAL MOUNTING INFORMATION. CONTACT ARCHITECT IMMEDIATELY IF THERE ARE DISCREPANCIES BETWEEN THE ARCHITECTURAL AND ELECTRICAL LIGHTING PLANS. 5. INSTALL ALL REQUIRED 0-10V DIMMING WIRE FOR LIGHT FIXTURES CONTROLLED BY 0-10V DIMMERS OR DIMMING ROOM CONTROLLERS. 6. FOR ALL FIXTURES REPRESENTED WITH THE EMERGENCY LIGHT FIXTURE SYMBOL (HALF-HATCHED) OR LABELED "EM" PROVIDE AN INTEGRAL EMERGENCY BATTERY PACK AND CONNECT IT TO AN UNSWITCHED HOT CONDUCTOR. BATTERY SHALL PROVIDE A MINIMUM OF 1000 LUMENS. 7. CONNECT EMERGENCY EXIT SIGNS TO UNSWITCHED HOT CONDUCTOR OF THE CIRCUIT SERVING NEARBY LIGHT FIXTURES.				

LIGHTING PLAN  
1/4"=1'-0"



ELECTRICAL GENERAL NOTES

(SEE SHEET E000 FOR ELECTRICAL GENERAL NOTES)

LIGHTING PLAN NOTES

- COORDINATE WITH ARCHITECT ON INSTALLATION.
- UNDERCOUNTER TAPE LIGHTS TO BE PLACED AT UPPER CABINETS AND EACH SHELF.
- MOUNT DMX DRIVER CONTROL RECESSED IN WALL AND ROUTE CONDUIT UNDERGROUND AND OVERHEAD IN CONDUIT WHERE REQUIRED FOR ALL "F" TYPE FIXTURES.
- INSTALL DRIVER IN AN ENCLOSURE ON THE UNDERSIDE OF THE COUNTER, COORDINATE WITH ARCHITECT ON EXACT INSTALLATION, PAINT TO MATCH ARCHITECTURAL FINISHES, ROUTE CONDUIT CONCEALED THROUGH THE WALL, TRENCH THE CONDUIT THROUGH THE FLOOR.

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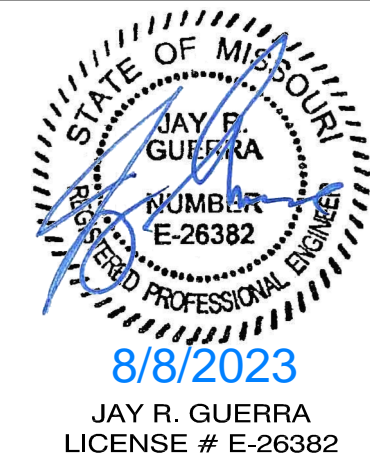
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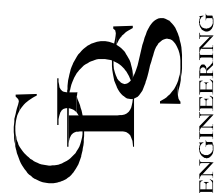
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E201

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