

LEOK OFFICE RENOVATION

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JULY 17, 2023

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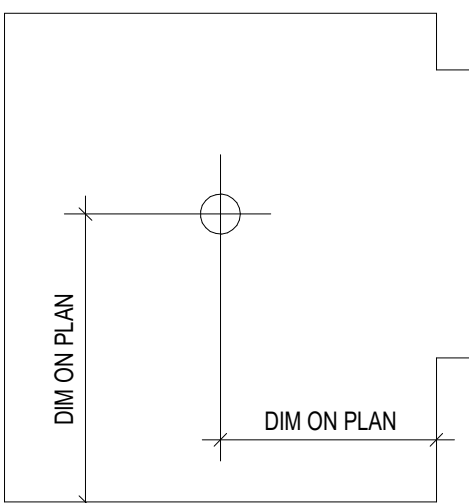
TYPICAL RULES FOR DETERMINING REFLECTED CEILING PLAN LOCATIONS, DIMENSIONS, AND CONFIGURATIONS

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

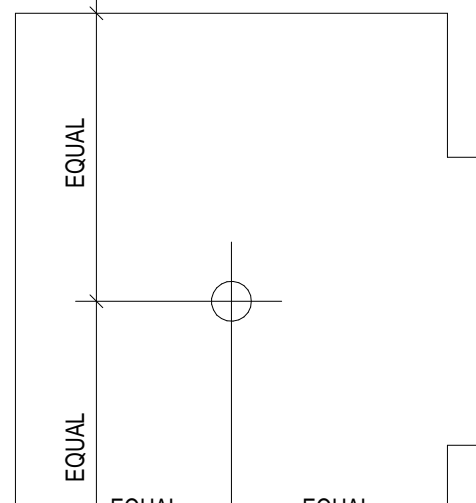


LOCATE ITEMS AS INDICATED WHEN SHOWN DIMENSIONED BY A REFLECTED CEILING PLAN, ENLARGED REFLECTED CEILING PLAN, OR DETAIL.

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

RULE 2

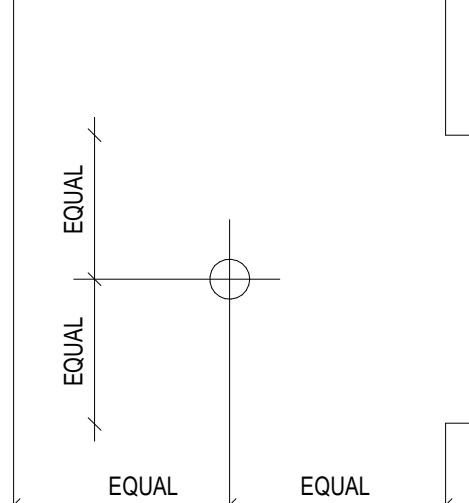
WHEN NOT DIMENSIONED BUT SHOWN CENTERED



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

RULE 3

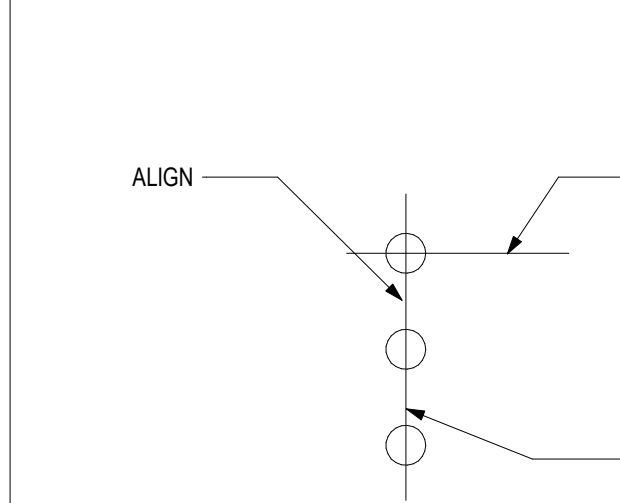
WHEN OFF-CENTER IN SPACE BUT CENTERED ON ADJACENT FEATURE



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

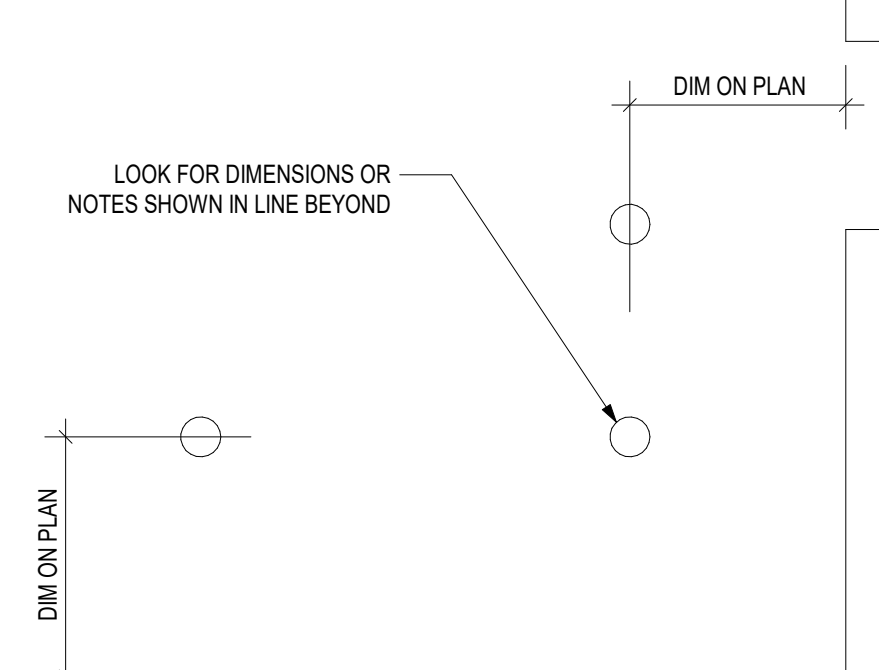
WHEN ALIGNED WITH OTHER FEATURES



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

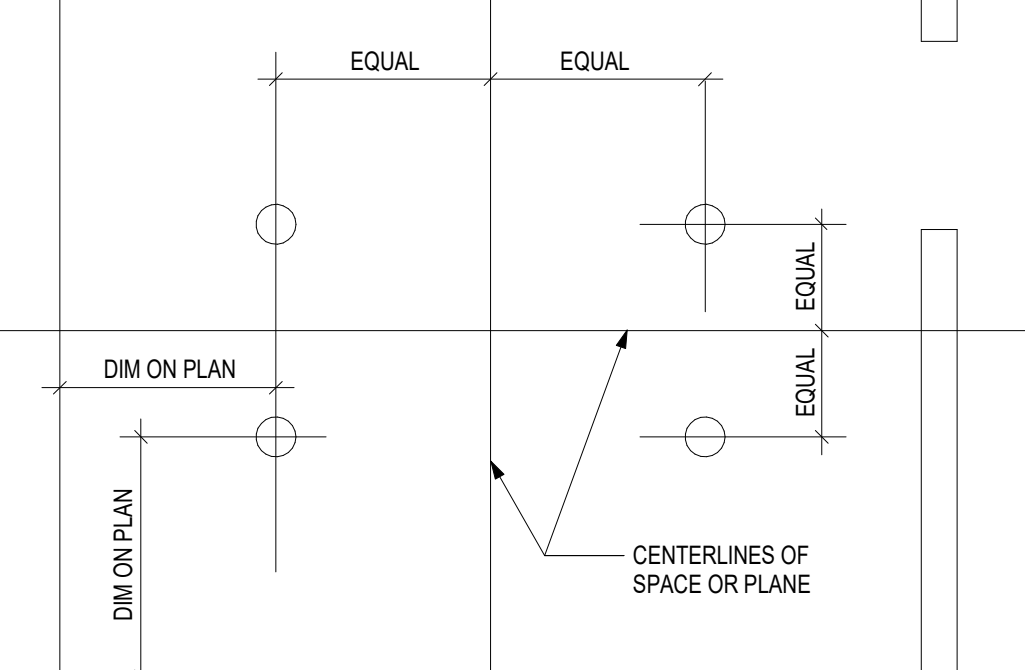
ALIGN WITH FEATURES SHOWN DIMENSIONED ELSEWHERE IN SPACE



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

RULE 6

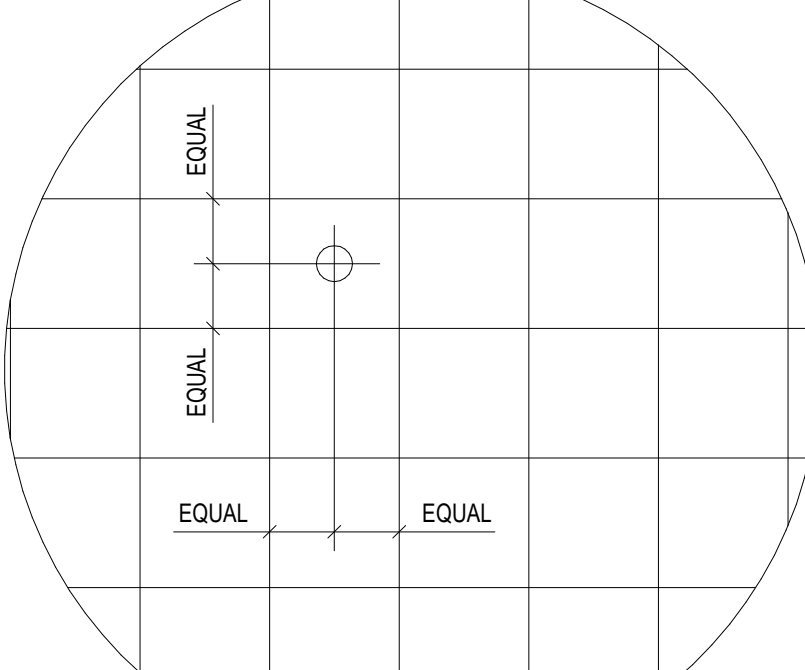
LOCATE FEATURES SYMMETRICALLY



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

RULE 7

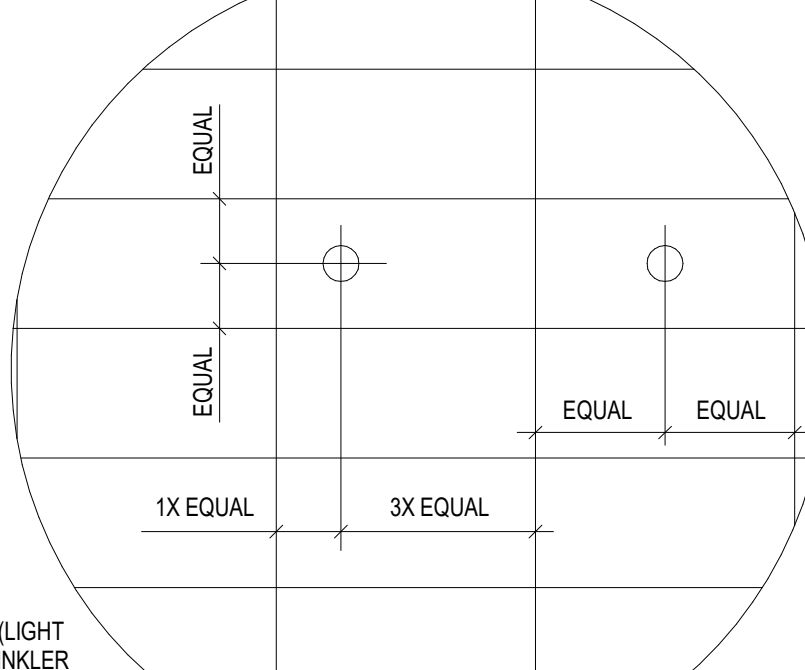
WHEN NOT DIMENSIONED BUT OCCURS ON A SQUARE GRID-TYPE CEILING



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 ON REFLECTED CEILING PLAN.

RULE 8

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



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	
G001	GENERAL INFORMATION	07/17/23	
G002	ACCESSIBILITY GUIDELINES	07/17/23	
G003	LIFE SAFETY PLANS AND PROJECT INFO.	07/17/23	
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	

ARCHITECTURAL

SHEET NO.	SHEET NAME	ISSUE DATE	REVISION DATE
A101	PLAN & RCP	07/17/23	
A201	EXTERIOR ELEVATIONS & WALL SECTIONS	07/17/23	
A501	DOOR SCHEDULE, FINISH LEGEND & FINISH SCHEDULE	07/17/23	
A712	INTERIOR ELEVATIONS	07/17/23	
A713	INTERIOR ELEVATIONS & DETAILS	07/17/23	

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	
M600	MECHANICAL SPECIFICATIONS	07/17/23	
P000	PLUMBING LEGEND AND SCHEDULES	07/17/23	
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	
P600	PLUMBING SPECIFICATIONS	07/17/23	
E000	ELECTRICAL DETAILS	07/17/23	
E101	ELECTRICAL POWER PLAN	07/17/23	
E201	LIGHTING PLAN	07/17/23	

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 CLADDED 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.

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REVISION DATES:



PROFESSIONAL SEAL

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

SHEET INDEX / GENERAL INFORMATION



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TYPICAL ARCHITECTURAL REFERENCE SYMBOLS

WALL SECTION

BUILDING SECTION

EXTERIOR ELEVATION

DETAIL REFERENCE

SECTION DETAIL REFERENCE

INTERIOR ELEVATION REFERENCE

PARTITION TYPE IDENTIFICATION MARK

EQUIPMENT/ACCESSORY IDENTIFICATION MARK

DOOR IDENTIFICATION MARK

WINDOW AND LOUVER TYPE MARK

LEVEL LINE

ROOM NAME AND NUMBER

REVISION EXTENT

KEYED NOTE MARK

MATCH LINE REFERENCE

DRAWING TITLE SYMBOLS

LAYOUT GRID LINES

NORTH ARROW REFERENCE

ARCHITECTURAL DIMENSIONING CONVENTIONS

- EXCEPT WHERE DIRECTED TO PLACE ITEMS OF THE WORK AT THE "APPROXIMATE LOCATION SHOWN," DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION.
- ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN (OR MAY BE DERIVED FROM THOSE SHOWN OR NOTED) ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, SCHEDULES, CONFIGURATION DETAILS, AND SPECIFICATIONS. SEE THE NOTES BELOW FOR DIMENSIONING CONVENTIONS USED ON THIS PROJECT.
- EXCEPT WHERE SPECIFICALLY NOTED TO THE CONTRARY, ALL DIMENSIONS SHOWN ON THE ARCHITECTURAL DRAWINGS CONFORM TO THE FOLLOWING CONVENTIONS:

NOTE NO 3 CONTINUED:

CAUTION: DUE TO THE POSSIBLE APPLICATION OF APPLIED FINISHES - THICKNESS OF WHICH MAY VARY BETWEEN FLOOR AND CEILING AND IS NOT ACCOUNTED FOR (EXCEPT AS INDICATED BY "TOP" OR "CLEAR" BY THE DIMENSION SHOWN ON THE FLOOR PLANS - THE CONTRACTOR MUST ADJUST, AS NECESSARY, THE FLOOR PLAN DIMENSIONS TO REFLECT THE ACTUAL DIMENSIONS FOUND AT PLANE OF THE CEILING.

- WHERE DIMENSIONS ARE NOT PROVIDED ON FLOOR PLANS TO LOCATE DOOR OPENINGS, APPLY THE FOLLOWING RULES IN ORDER TO DETERMINE THE LOCATION OF DOOR OPENINGS:

A. DOOR OPENINGS MAY BE DIMENSIONED ON DRAWINGS OTHER THAN THE FLOOR PLANS. REFER TO THE SECTIONS, ELEVATIONS, DETAILS, AND DOOR SCHEDULE NOTES FOR ADDITIONAL DIMENSIONAL INFORMATION.

B. WHERE THE HINGE-SIDE OF A DOOR IS SHOWN ADJACENT TO A WALL, OR WALLS - PERPENDICULAR TO THE WALL, WHEN THE DOOR OPENING OCCURS:

• AT DOORS OCCURRING IN WALLS FRAMED GYPSUM BOARD PARTITIONS, LOCATE THE HINGE-SIDE OF THE DOOR FINISHED OPENING 4 INCHES FROM THE FACE (EXCLUSIVE OF APPLIED FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.

• AT DOORS OCCURRING IN WALLS OF CONC MASONRY UNIT CONSTRUCTION, LOCATE THE HINGE-SIDE OF THE DOOR FINISHED OPENING 4 INCHES FROM THE FACE (EXCLUSIVE OF APPLIED FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.

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NOTE NO 4 CONTINUED:

C. WHERE DOOR OCCURS NOT ADJACENT TO A PERPENDICULAR WALL AND EITHER "DIM E" OR "DIM F" IN DIAGRAM BELOW IS 16'-0" OR LESS, LOCATE DOOR UTILIZING THE FOLLOWING MINIMUM DIMENSIONS:

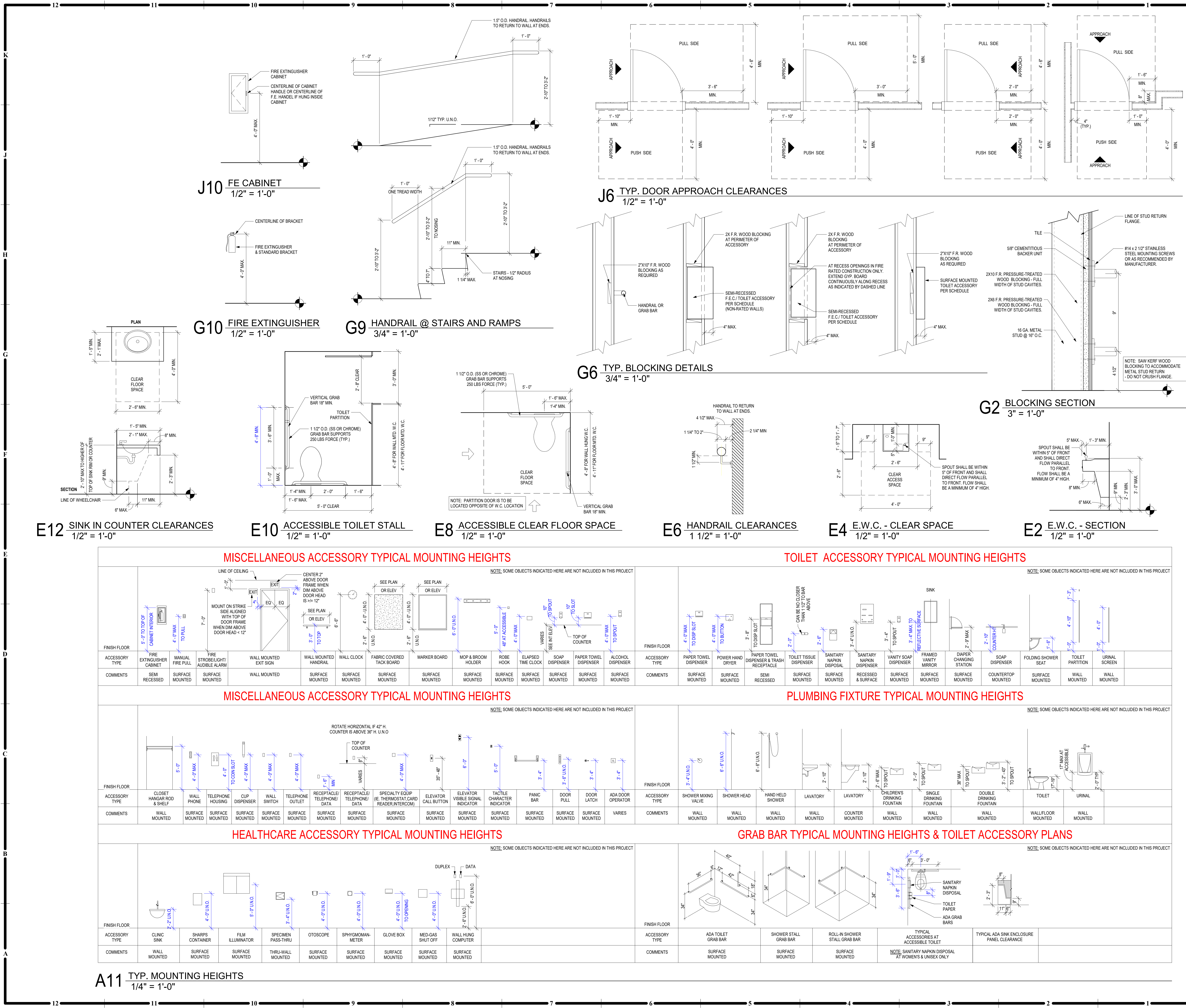
• DIMENSION A = 18 INCHES MIN
• DIMENSION B = 12 INCHES MIN
• DIMENSION C = DOOR WIDTH + 2 INCHES MINIMUM
• DIMENSION D = 4 INCHES MIN AT METAL FRAMED GYP BD PARTITIONS OR - EVEN MINIMUM OF 1/2 CMU MODULE PLUS 2 INCHES AT CONC MASONRY UNIT WALLS
• DIMENSIONS E AND F = AS SHOWN ON PLANS
• DIMENSION G = 36 INCHES MIN
• DIMENSION H = 60 INCHES MIN

• IF SPACE ALLOWS, CENTER DOOR IN WALL SHOWN ON THE DRAWING SO THAT EITHER "DIM A" EQUALS "DIM B" OR "DIM B" EQUALS "DIM D".

D. IF "DIM E" IN DIAGRAMS BELOW IS LESS THAN THE SUM OF 2 TIMES THE DOOR WIDTH PLUS 20 INCHES, LOCATE DOOR SO THAT MINIMUMS STATED BY NOTE NO 4 ABOVE FOR "DIM A", "DIM B", AND "DIM D" ARE MET - MAXIMIZING "DIM A" AND MINIMIZING "DIM D" TO THE EXTENT POSSIBLE.

E. WHERE DOOR IS SHOWN LOCATED IN A LARGE EXPANSE OF OPEN WALL, "DIM E" AND "DIM F" IN DIAGRAM BELOW BOTH EXCEED 16'-0", PLACE DOOR AT APPROXIMATE LOCATION SHOWN ON THE PLANS. WHERE DOOR OCCURS IN CMU WALL, PLACE DOOR AT APPROXIMATE LOCATION SHOWN WHILE MINIMIZING "DIM C" TO PARTIAL CMU MODULES ADJAC

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G001			
ISSUE DATE: JULY 17, 2023 COLLINS WEBB #: 23033		INFORMATION	



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 OPNG.).
- TOILET SEAT COVER DISPENSERS (TO OPNG.): 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 = 52" TO 58" (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.

LEOK OFFICE RENOVATION

209 SE DOUGLAS
LEE'S SUMMIT, MO 64063

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REVISION DATES:



PROFESSIONAL SEAL

G002

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

ACCESSIBILITY GUIDELINES



PERMIT SET

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 WITH 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

A

LOWER PRIORITY WALL

TAPE & JOINT COMPOUND (TYP)

HIGHER PRIORITY WALL

B

CONTINUOUS TAPE & SEAL OF HIGHER PRIORITY WALL (TYP)

HIGHER PRIORITY WALL

C

LOWER PRIORITY WALL

TAPE & JOINT COMPOUND (TYP)

HIGHER PRIORITY WALL

D

LOWER PRIORITY WALL

TAPE & JOINT COMPOUND (TYP)

HIGHER PRIORITY WALL

E

LOWER PRIORITY WALL

TAPE & JOINT COMPOUND (TYP)

HIGHER PRIORITY WALL

NOTES:

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

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 HAZARDOUS.
- 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 MALL 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

- 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.
- WHEN A WALL HAS MORE THAN ONE CLASSIFICATION, THE MOST RESTRICTIVE REQUIREMENTS FOR EACH CLASSIFICATION SHALL APPLY.
- FOR NEW CONSTRUCTION, PERIMETER SMOKE-SEALS MAY BE REQUIRED AT FIRE RATED DOORS IN CERTAIN OCCUPANCIES.

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	TABLE/SECTION/REFERENCE
CONSTRUCTION TYPE	TYPE VB - EXISTING, NON-SPRINKLERED	LSC SECTION 12.1 AND IBC SECTION 303
OCCUPANCY CLASSIFICATION	GROUP "B" BUSINESS	LSC TABLE 12.1.6 AND IBC TABLE 601
BUILDING FRAME	METAL COLUMNS / BEAMS, WOOD JOISTS FOR ROOF FRAME	LSC SECTION 12.1 AND IBC SECTION 303
ACTUAL TENANT AREA (GROSS)	2,014 SQ. FT.	
ACTUAL NUMBER OF STORIES	1 STORY - EXISTING	IBC TABLE 504.4
ACTUAL HEIGHT IN FEET	EXISTING	IBC TABLE 504.3

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 1018.1 LSC 12.3.6

FIRE EXTINGUISHERS

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

CEILING HEIGHT NOTES: (IBC 1208)

- 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.
- OCCUPIED SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7'-6" A.F.F.
- 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 LSC SECTION 10.2.

GENERAL EXITING REQUIREMENTS

EXIT TRAVEL DISTANCE	250 FEET	SECTION 12.2.6.2	LSC
DEAD END CORRIDOR	20 FEET	SECTION 12.2.2.5.1.3	LSC
COMMON PATH OF TRAVEL	20' FEET, OR 75' IF OCC. < 50	SECTION 12.2.1.2	LSC
MIN. CORRIDOR WIDTH	44", OR 36" IF OCC. < 50	SECTION 12.2.3.8	LSC

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 DOORWAY 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	TABLE/SECTION/REFERENCE
1. STAIRS - 0.37 / PERSON	TABLE 7.3.3.1
2. OTHER COMPONENTS - 0.27 / PERSON	LSC
3. OTHER COMPONENTS WITHIN THEATER ROOMS - 0.22" / PERSON	LSC

B. MINIMUM NUMBER

- OCCUPANT LOAD OF 1-500 PERSONS - 2 EXITS PER STORY
- OCCUPANT LOAD OF 501-1000 PERSONS - 3 EXITS PER STORY
- OCCUPANT LOAD OF MORE THAN 1000 PERSONS - 4 EXITS PER STORY

SIGNAGE

- STAIR TACTILE AND BRAILLE SIGNAGE ON EACH FLOOR FOR EXIT STAIRWELL, FLOOR DISCHARGE, AND ROOF TOP ACCESS IN ACCORDANCE WITH LSC 7.10.
- PROVIDE SIGNAGE "IN FIRE EMERGENCY DO NOT USE ELEVATOR. USE EXIT STAIRS" IN ACCORDANCE WITH IBC (3002.3)
- EVACUATION DIAGRAM PROVIDED IN ACCORDANCE WITH LSC 7.10.8.5

OCCUPANT LOAD

OCCUPANT LOAD : LEVEL 1	TABLE/SECTION/REFERENCE
OFFICE	14 OCC
TOTAL OCCUPANT LOAD	14 OCCUPANTS
EXITS REQUIRED	2 EXITS
EXITS PROVIDED	2 EXITS

PLUMBING FIXTURE REQUIREMENTS

8 OCC WATER CLOSETS	= 1/25
8 OCC LAVATOIRES <td>= 1/40</td>	= 1/40
8 OCC DRINKING FOUNTAIN <td>= 1/100</td>	= 1/100
8 OCC SERVICE SINK <td>= 1</td>	= 1

PLUMBING FIXTURES REQUIRED

WATER CLOSETS: 14/25 = 1 REQUIRED

LAVATOIRES: 14/40 = 1 REQUIRED

DRINKING FOUNTAINS: 14/100 = 1 REQUIRED

SERVICE SINKS: = 1 REQUIRED

PLUMBING FIXTURES PROVIDED

WATER CLOSETS: = 2 PROVIDED

LAVATOIRES: = 2 PROVIDED

DRINKING FOUNTAINS: = 0 PROVIDED (BOTTLED WATER AND KITCHENETTE WITH SINK ARE PROVIDED)

SERVICE SINKS: = 1 PROVIDED

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

DESCRIPT.

NUMBER OF OCCUPANTS EXITING

EXIT WIDTH PROVIDED (IN.)

200

40"

60"

CALCULATED EXIT WIDTH REQ'D (IN.)

NUMBER OF OCCUPANTS EXITING

CALCULATED EXIT WIDTH REQ'D (IN.)

200

40"

32"

68"

MIN. WIDTH OF MEANS OF EGRESS COMPONENT (IN.)

FROM ROOM OR LEVEL

X = CLEAR WIDTH OF OPENING IN INCHES

F.E.C.

FIRE RISER CABINET

F.A.C.P.

FIRE ALARM CONTROL PANEL

FIRE DEPARTMENT CONNECTION

K.B.

KNOX BOX

AR

AREA OF RESCUE ASSISTANCE

ACCESSIBLE EGRESS COMPONENT

EGRESS PATH

FE-1

INDICATES FIRE EXTINGUISHER CABINET(FE) LOCATION WITH 75'-0" RADIUS COVERAGE AREA. SEE SPECIFICATIONS FOR FE TYPE.

FE-2K

INDICATES KITCHEN BAR FIRE EXTINGUISHER (FE) LOCATION WITH 75'-0" RADIUS COVERAGE AREA. SEE SPECIFICATIONS FOR FE TYPE.

FE-3

INDICATES TEMPORARY WALL HUNG FIRE EXTINGUISHER (FE) LOCATION WITH 75'-0" RADIUS COVERAGE AREA. SEE SPECIFICATIONS FOR FE TYPE.

DOOR RATING LEGEND (REFER TO DOOR SCHEDULE)

20 MIN. DOOR

45 MIN. DOOR

90 MIN. DOOR

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

A10 1ST FLOOR - LIFE SAFETY

1/4" = 1'-0"

CONFERENCE ROOM 112 229 SF

CONFERENCE ROOM 111 86 SF

OFFICE 110 90 SF

OFFICE 109 203 SF

STORAGE / IT 108 41 SF

RR 106 43 SF

CLOSET 107 12 SF

LOBBY 101 320 SF

WORKSTATIONS 104 748 SF

UTILITY 105 29 SF

RR 106 43 SF

COPY/FILE 103 79 SF

REF

FE-1

57'-0" PROVIDED

75'-0"

MAX: 250' - 0"

PROVIDED: 57' - 0"

MAX. EXIT TRAVEL DISTANCE

LEOK OFFICE RENOVATION

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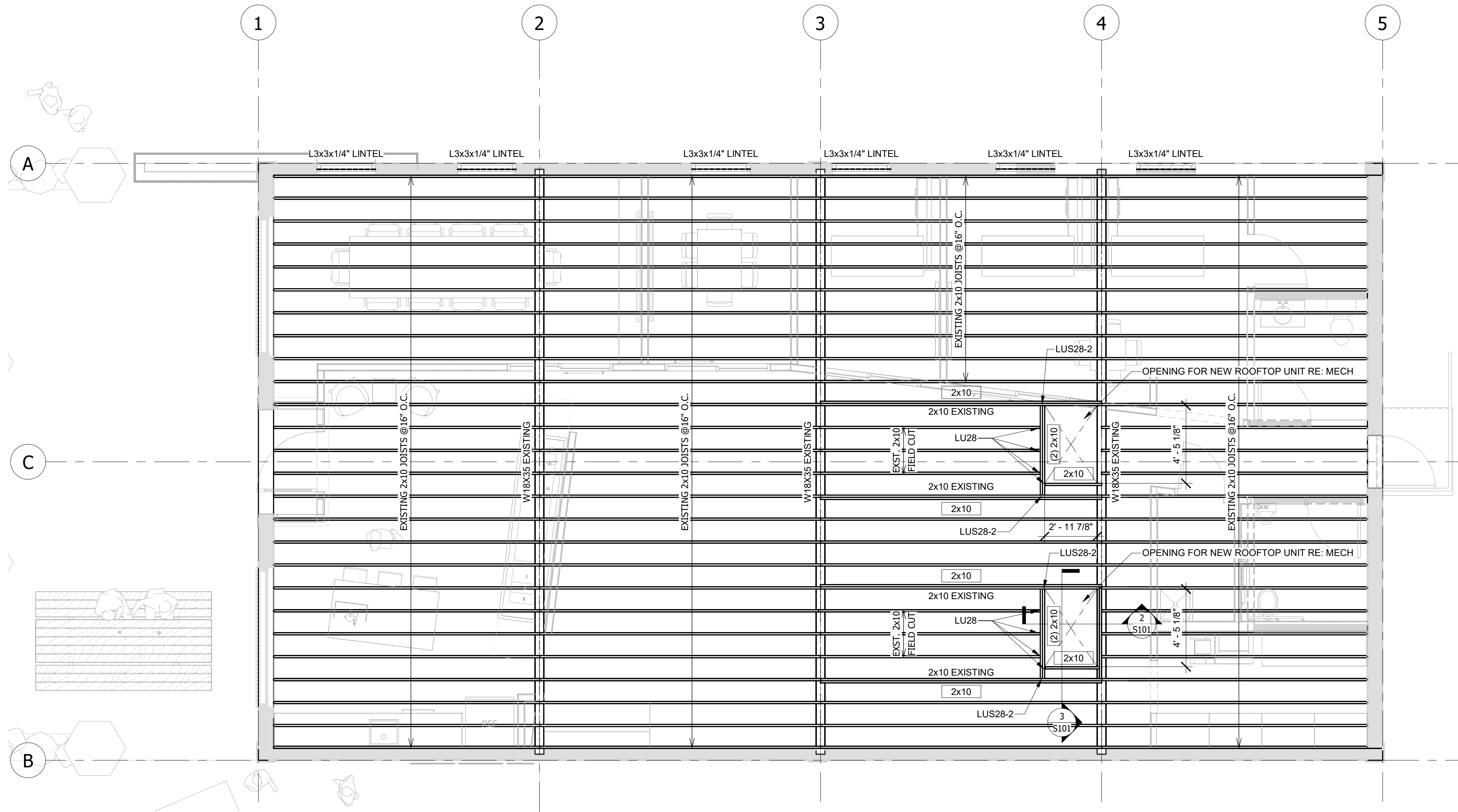
LIFE SAFETY PLANS AND
PROJECT INFO.

COLLINS WEBB ARCHITECTURE

307 SW MARKET ST. Lee's Summit, Missouri 64063 | 816.249.2270 | www.collinswebb.com

PERMIT SET

1. ALL WORK SHALL CONFORM TO 2018 INTERNATIONAL BUILDING CODE AS ADOPTED AND AMENDED BY THE CITY OF LEE'S SUMMIT, MISSOURI.
2. DESIGN LOADS
- A. OVERALL BUILDING CLASSIFICATIONS
- | | |
|--|------|
| 1. RISK CATEGORY | II |
| 2. SNOW IMPORTANCE FACTOR, I_s | 1.00 |
| 3. ICE IMPORTANCE FACTOR - WIND, I_w | 1.00 |
| 4. SEISMIC IMPORTANCE FACTOR, I_e | 1.00 |
- B. SLAB ON GRADE FLOOR LOADS
- | | |
|----------------------|--|
| 1. LIVE LOAD | 100 PSF |
| 2. CONCENTRATED LOAD | 3000 LB ACTING ON AN AREA 4.5 IN. BY 4.5 IN. |
- C. ROOF DEAD AND LIVE LOADS
- | | |
|-------------------------|----------------|
| 1. DEAD LOAD TOP CHORD | 10 PSF |
| 2. DEAD LOAD BOT. CHORD | 5 PSF |
| 3. LIVE LOAD TOP CHORD | 20 PSF |
| 4. LIVE LOAD BOT. CHORD | 0 PSF (U.N.O.) |
- D. ROOF SNOW LOADS
- | | |
|--------------------------------------|-----------|
| 1. GROUND SNOW LOAD, P_g | 15 PSF |
| 2. FLAT ROOF SNOW LOAD, P_f | 11.34 PSF |
| 3. SNOW EXPOSURE FACTOR, C_e | 0.9 |
| 4. THERMAL FACTOR, C_t | 1.2 |
| 5. SLOPE FACTOR, C_s | 0.6 |
| 6. DRIFTING | PER CODE |
| 7. MIN ROOF DESIGN SNOW LOAD W/ RAIN | 25 PSF |
- E. WIND LOADS
- | | |
|---|----------|
| 1. BASIC WIND SPEED (3 SECOND GUST) | 107 MPH |
| 2. EXPOSURE CATEGORY | C |
| 3. INTERNAL PRESSURE COEFFICIENT, GC_{pi} | +/- 0.18 |
| 4. COMPONENTS AND CLADDING PER ASCE 7-16. | |
- F. SEISMIC LOADS
- | | |
|-----------------------------------|---|
| 1. S_s | 0.189 |
| 2. S_1 | 0.105 |
| 3. SITE CLASS | C |
| 4. S_{ps} | 0.164 |
| 5. S_{ol} | 0.105 |
| 6. SEISMIC DESIGN CATEGORY | B |
| 7. SEISMIC FORCE RESISTING SYSTEM | WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR |
8. DESIGN BASE SHEAR
9. DESIGN RESPONSE COEFFICIENT, C_s
10. RESPONSE MODIFICATION COEFFICIENT, R
11. ANALYSIS PROCEDURE USED
- G. ROOF RAIN LOADS
- | | |
|---|------------|
| 1. 60-MIN DURATION/100 YEAR RAIN INTENSITY, I | 3.20 IN/HR |
| 2. 15-MIN DURATION/100 YEAR RAIN INTENSITY, I | 7.58 IN/HR |



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

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

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

GENERAL NOTES: ROOF PLAN

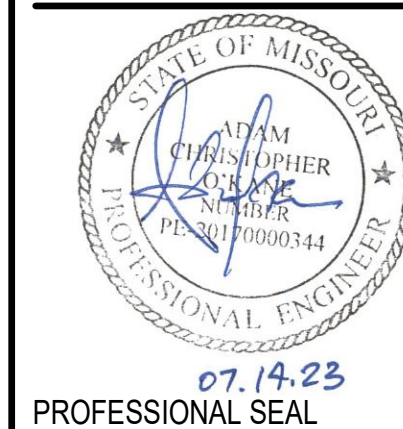
- ALL NEW WOOD FRAMING TO BE SPF #2 OR BETTER WITH THE FOLLOWING DESIGN PROPERTIES:
A. $F_b = 875$ PSI
B. $F_v = 135$ PSI
C. $F_c = 1150$ PSI
D. $E = 1400$ KSI
- LUS28-2 FASTENERS AS FOLLOWS:
A. FACE FASTENERS - (6) 0.148x 3
B. JOIST FASTENERS - (3) 0.148x 3
- LU28 FASTENERS AS FOLLOWS:
A. FACE FASTENERS - (6) 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 2204.10.1) 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.

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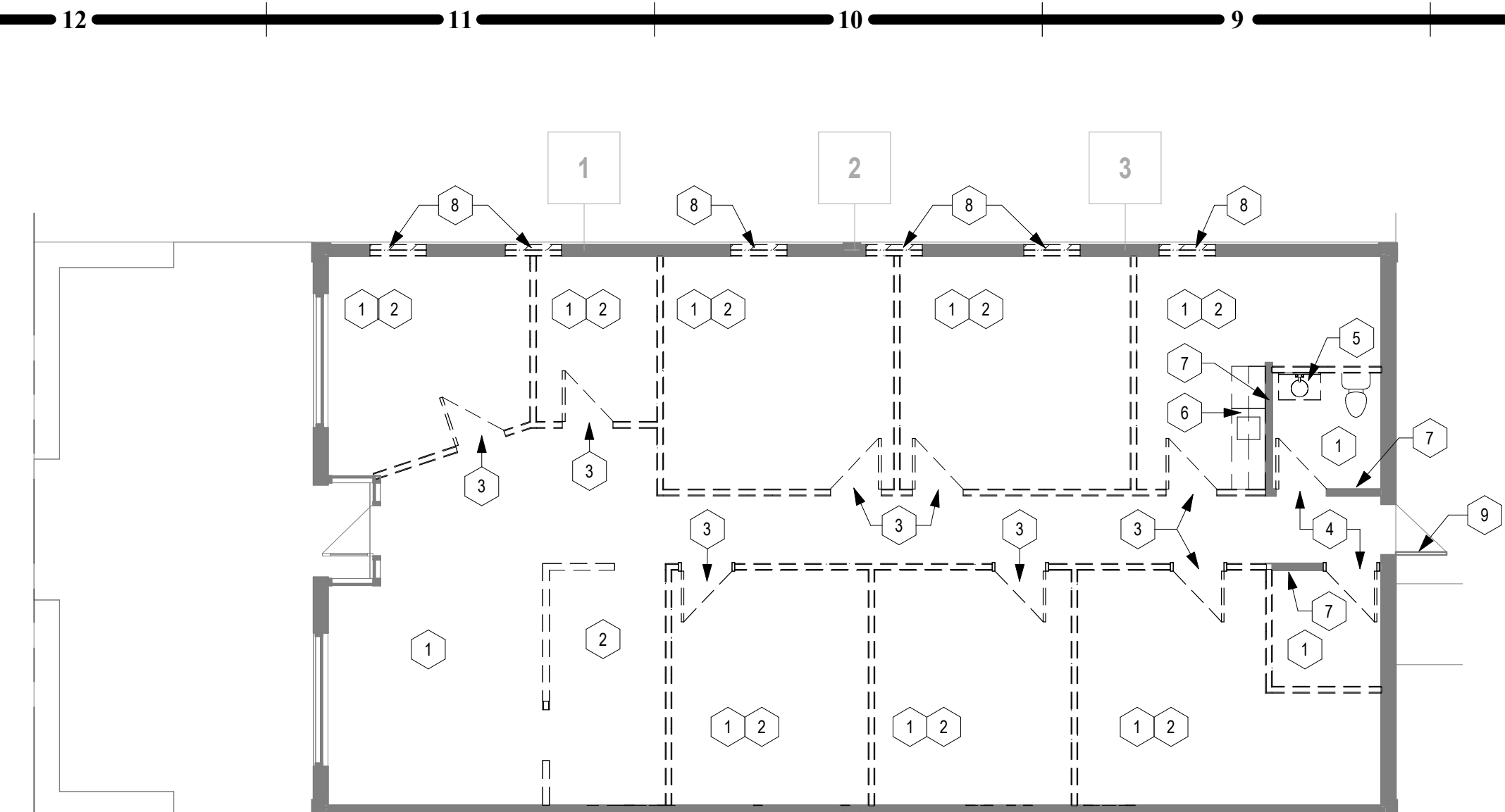
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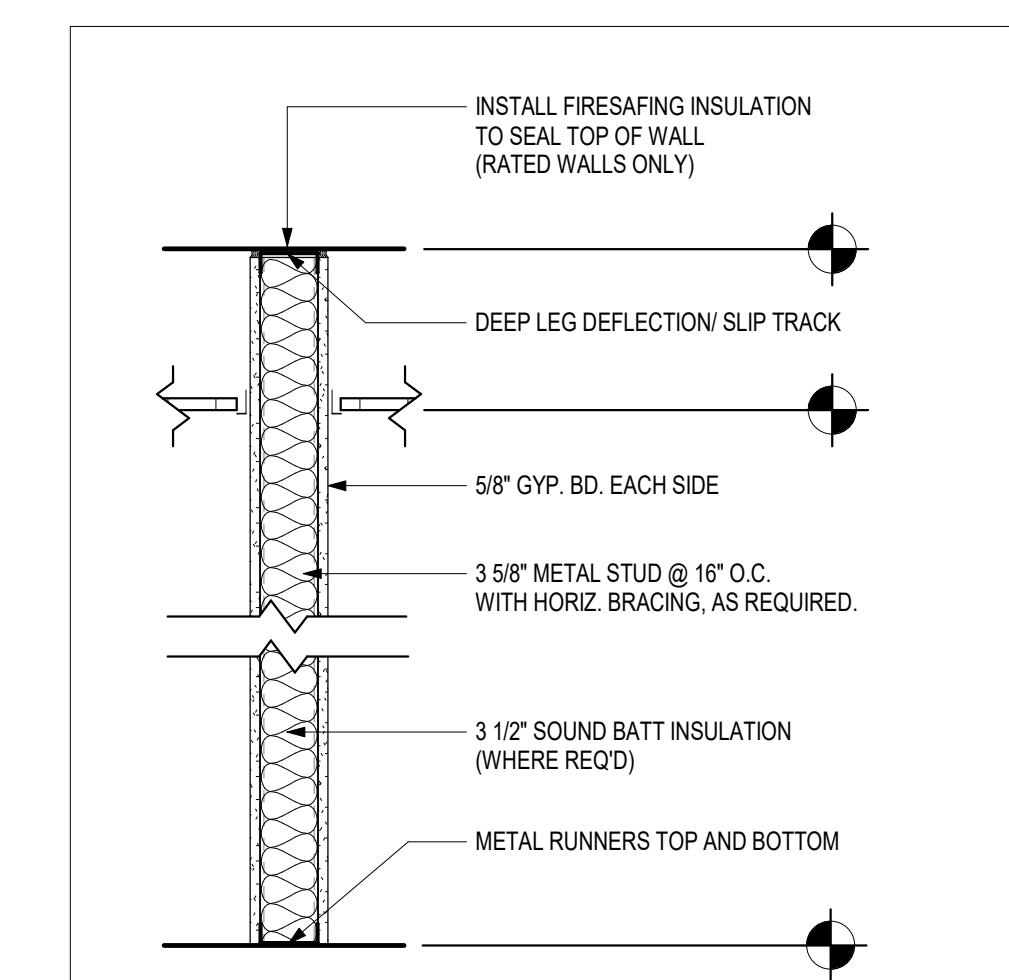
ROOF PLAN/DETAILS

PERMIT DRAWINGS

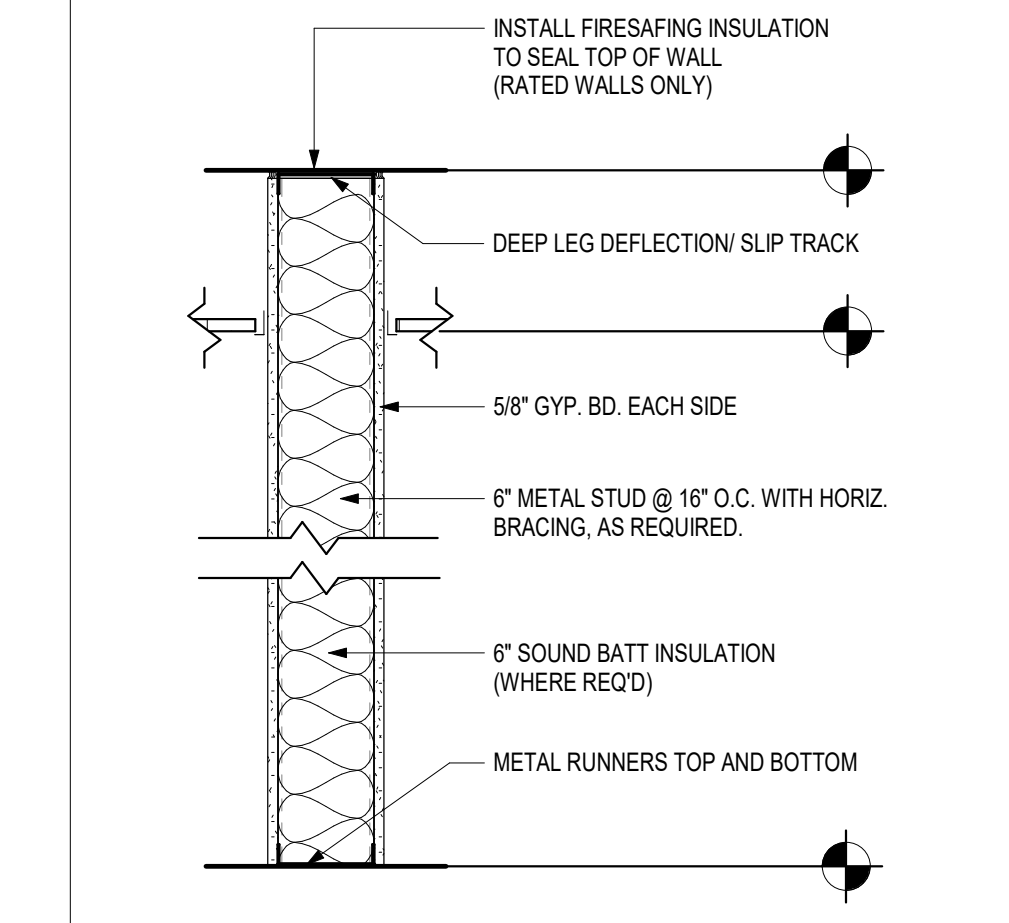




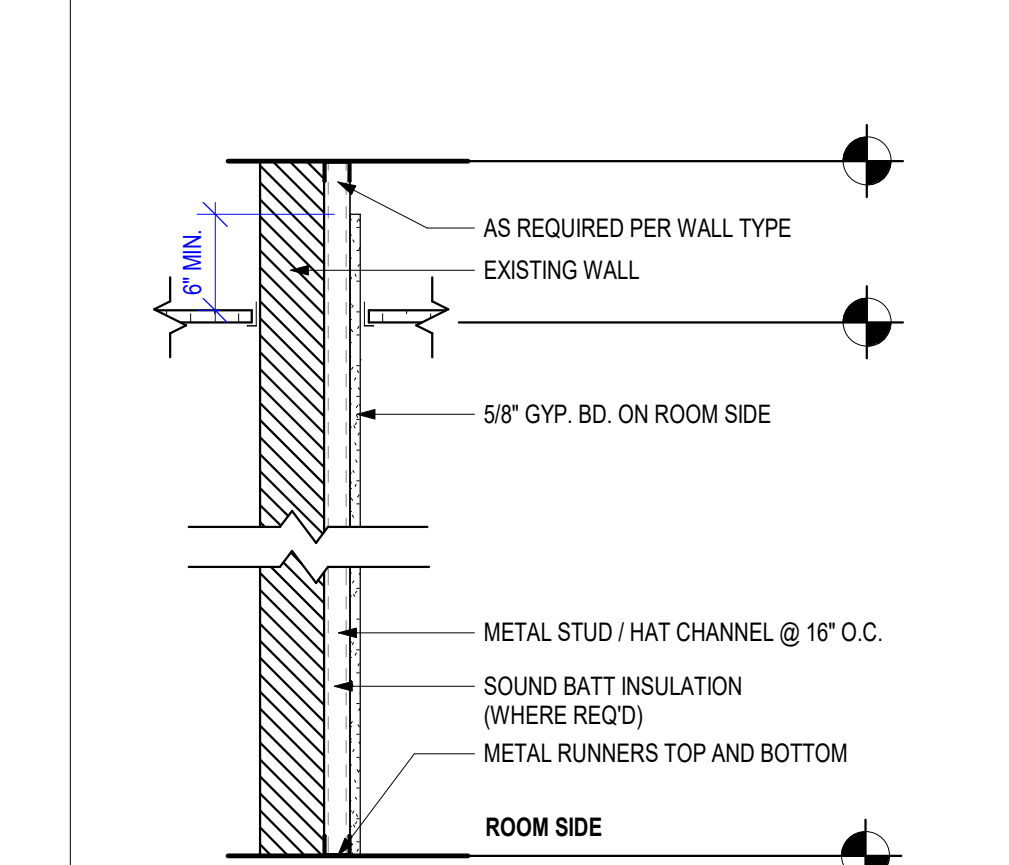
A12 1ST FLOOR DEMOLITION PLAN
1/8" = 1'-0"



TYPE	WALL DESCRIPTION
A	3 5/8" METAL STUD @ 16" O.C. TO DECK ABOVE 5/8" TYPE "X" GYP. BD. EACH SIDE TO DECK ABOVE NO SOUND BATT INSUL. NON RATED
A.1	3 5/8" METAL STUD @ 16" O.C. TO DECK ABOVE 5/8" TYPE "X" GYP. BD. EACH SIDE TO DECK ABOVE 3 1/2" SOUND BATT INSUL. TO FULL HEIGHT OF WALL ACOUSTICAL SEALANT AT FLOOR, DECK, & ALL PENETRATIONS NON RATED



TYPE	WALL DESCRIPTION
B	6" METAL STUD @ 16" O.C. TO DECK ABOVE 5/8" TYPE "X" GYP. BD. EACH SIDE TO DECK ABOVE 6" SOUND BATT INSUL. TO FULL HEIGHT OF WALL ACOUSTICAL SEALANT AT FLOOR, DECK, & ALL PENETRATIONS NON RATED



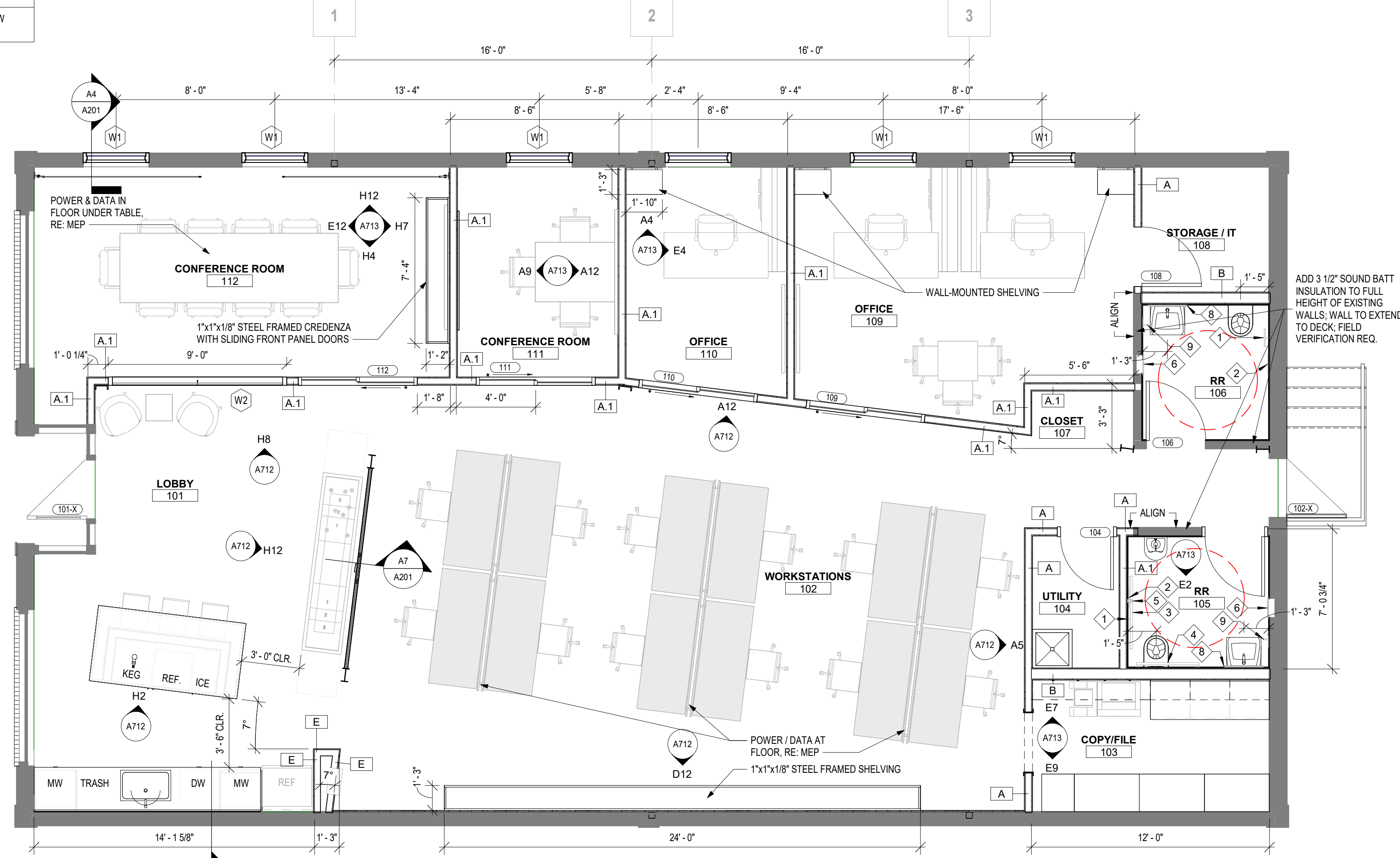
TYPE	WALL DESCRIPTION
E	3 5/8" METAL STUD @ 16" O.C. TO DECK ABOVE 5/8" TYPE "X" GYP. BD. ONE SIDE TO DECK ABOVE NO SOUND BATT INSUL. NON RATED

KEYED NOTES: DEMO FLOOR PLAN	
1	REMOVE EXISTING FLOOR FINISH. PREPARE EXISTING SLAB FOR NEW FINISHES AS REQUIRED PER MANUFACTURER'S RECOMMENDATIONS.
2	REMOVE ALL WALLS / CEILINGS / INTERIOR FINISHES THIS LOCATION. PREPARE EXISTING STRUCTURE FOR NEW FINISHES AS REQUIRED PER MANUFACTURER'S RECOMMENDATIONS.
3	REMOVE INTERIOR DOOR, FRAME AND HARDWARE.
4	REMOVE INTERIOR DOOR, EXISTING FRAME TO REMAIN.
5	REMOVE EXISTING LAVATORY AND CASEWORK, PREPARE FOR NEW FIXTURE.
6	REMOVE EXISTING PLUMBING FIXTURES, EQUIPMENT AND CASEWORK, CAP EXISTING PLUMBING DRAINS.
7	EXISTING WALL TO REMAIN
8	NEW WINDOW OPENINGS, RE: PLANS AND ELEVATIONS FOR LOCATIONS AND R.O.
9	EXISTING DOOR TO REMAIN. PREPARE FOR NEW FINISHES, RE: DOOR SCHEDULE.

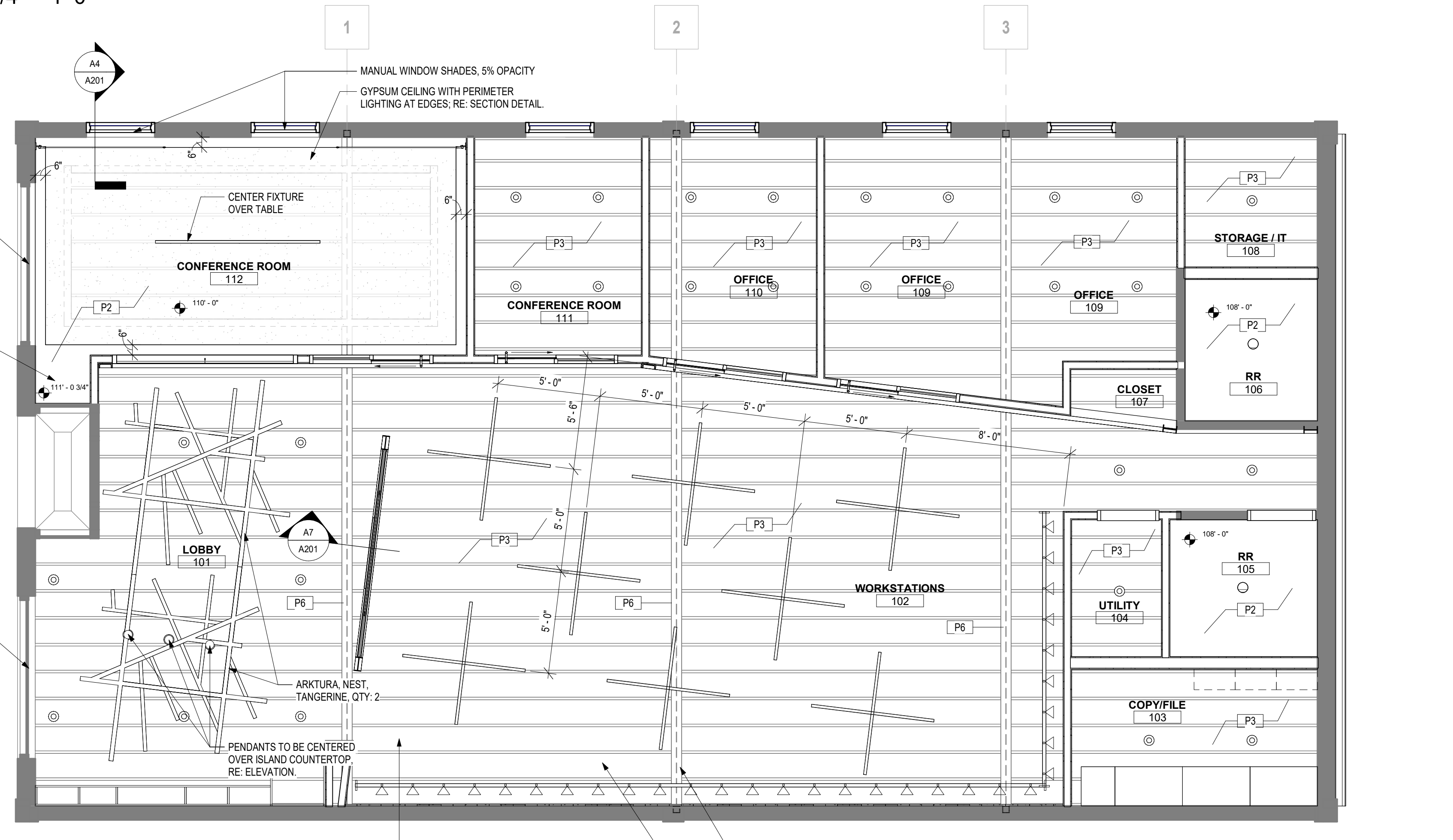
GENERAL STEEL NOTE:
ALL NEW STEEL W-SECTIONS, C-CHANNELS, 1x SQUARE TUBE, AND PERFORATED METAL PANELS WILL BE OWNER-PROVIDED, INCLUDING STEEL FRAMING FOR ALL CASEWORK AND MILLWORK; CASEWORK AND MILLWORK PANELS, HARDWARE, AND INSTALLATION ARE G.C. SCOPE.

ACCESSORY SCHEDULE					
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:
A. ALL TOILET ACCESSORY LOCATIONS BASED ON FLOOR PLAN LAYOUT.
B. REFER TO INTERIOR ELEVATIONS FOR ANY ACCESSORIES THAT MAY NOT SHOW UP ON THE PLANS.
C. REFER TO G002 AND MANUFACTURER'S SPECIFICATIONS FOR MOUNTING HEIGHTS.
D. COORDINATE ALL MOUNTING HEIGHTS W/ PLUMBING FIXTURES TO ALLOW PROPER OPERATION & INFORM ARCHITECT IN WRITING OF ANY CONFLICTS.
E. G.C. TO VERIFY DIRECTLY W/ OWNER TO DETERMINE MOUNTING HEIGHTS, U.N.O.
F. 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"

**GENERAL NOTES:
FLOOR PLANS**

- SEE GENERAL ARCHITECTURAL SHEETS FOR ADDITIONAL NOTES AND DETAILS THAT ARE APPLICABLE.
- ARCHITECTURAL ELEVATION 10'-0" F.
- 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 1" FROM THE PULL SIDE (STRIKE SIDE) OF THE DOOR TO THE INTERSECTING WALL OR OTHER PROTRUDING OBJECTS.
- ALL CLOVES WITHOUT A SPACE IDENTIFICATION NUMBER SHALL HAVE THE SAME FINISHES AS THE ADJOINING SPACES.
- PROVIDE FINISH LEVELS AS DESCRIBED:
 - LEVEL 1: FIRE RATED WALL AREAS ABOVE FINISHED CEILINGS, 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 CEILINGS.
 - OPEN TO STRUCTURE SPACES WHERE PAINTED BLACK.
 - AREAS IN MECHANICAL, ELECTRICAL AND STORAGE ROOMS.
 - OPEN TO STRUCTURE SPACES WHERE PAINTED OTHER THAN BLACK.
 - LEVEL 4: AREAS WHERE ROOM SIDE WALLS AND/OR CEILINGS HAVE PAINTED SURFACES.
 - LEVEL 5: CIRCULATION CORRIDORS WHERE ROOM SIDE WALLS AND/OR CEILINGS HAVE PAINTED SURFACES.
- 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 PATTERNS AS REQUIRED.
- ALL WOOD PRODUCTS TO BE FIRE-RETARDANT, INCLUDING BLOORING AND PLYWOOD.

**GENERAL NOTES:
REFLECTED CEILING PLANS**

- RE: SHEET G001 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 CEILINGS TO BE 9'-0" A.F.F., UNLESS NOTED OTHERWISE.
- ALL CEILING HEIGHTS AS SHOWN ON PLANS AND DETAILS ARE FROM SLAB OR TILE FLOOR FINISHES 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:	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 WALL 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.

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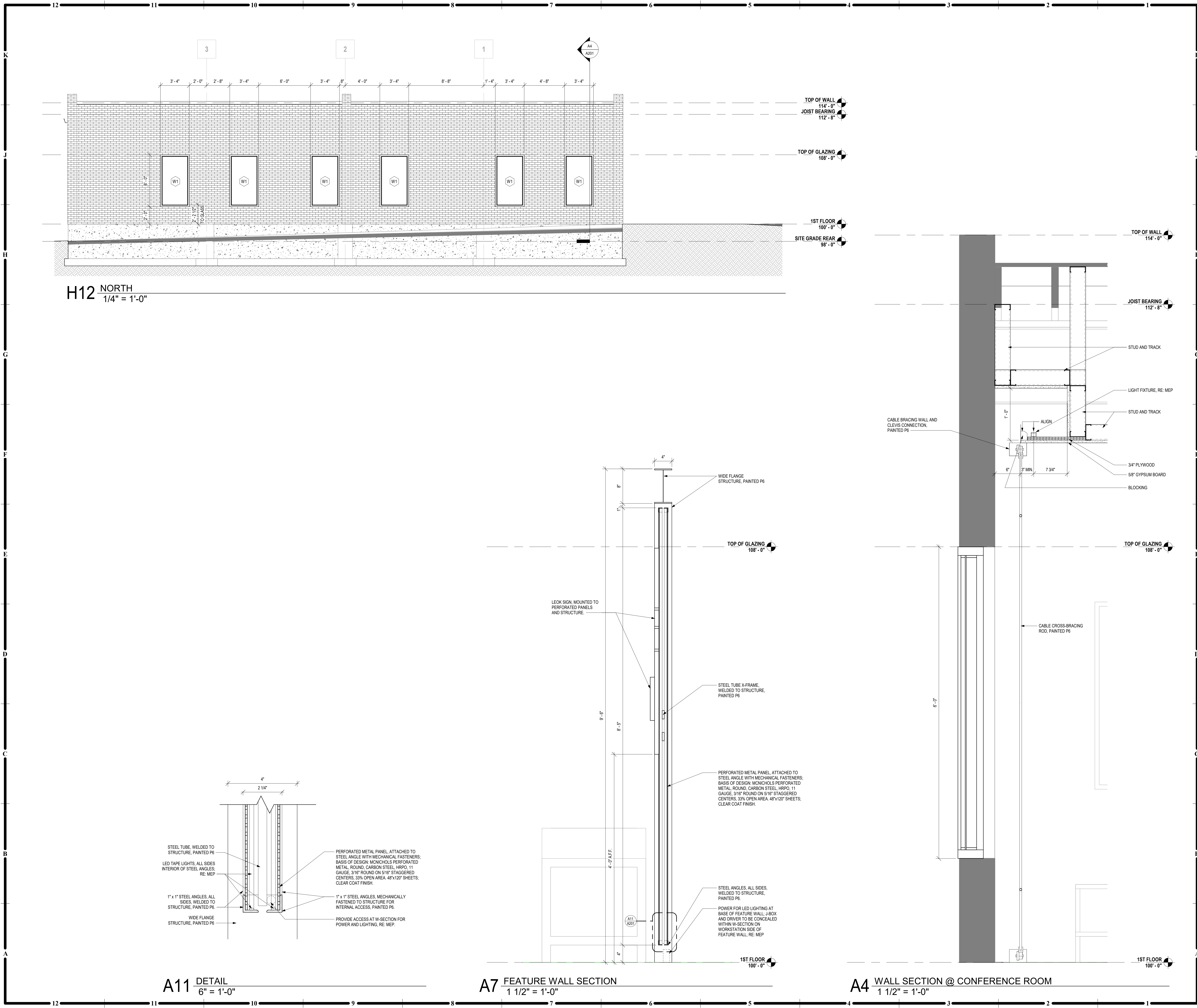
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A101

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

PLAN & RCP

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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

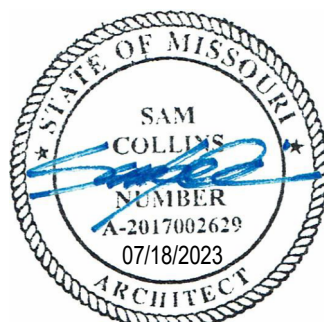
EXTERIOR INSULATION FINISH SYSTEM	
MODULAR BRICK	
BREAK METAL CHANNEL	
METAL PANEL ROOF SCREEN	

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A201

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EXTERIOR ELEVATIONS & WALL SECTIONS



PERMIT SET

A12 1ST FLOOR - FINISH PLAN
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 TOE/KICKS U.N.O.
DOOR & FRAME FINISH					
P1	PAINT	SHERWIN WILLIAMS	SATIN ENAMEL	SW 7067 CITYSCAPE	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 PULLS	LIBERTY	3" CENTER TO CENTER	BAR076W-FB-SP MATTE BLACK	KITCHEN CASEWORK DOORS AND DRAWERS AS REQUIRED
HW2	18" CENTER (20 1/4") APPLIANCE PULL	HOPEWELL	18" CENTER TO CENTER APPLIANCE PULL	M1889-19 FLAT BLACK	PANEL READY REFRIGERATOR DOOR
HW3	12" CENTER (14 1/4") APPLIANCE PULL	HOPEWELL	12" CENTER TO CENTER APPLIANCE PULL	M1889-12 FLAT BLACK	PANEL READY DISHWASHER, KEG COOLER, BEVERAGE COOLER, ICE MAKER DOORS
PL1	PLASTIC LAMINATE	WILSONART	CASUAL RUSTIC FINISH	FAWN CYPRESS 8208K-16	CASEWORK AND CREDENZAS; EDGES TO 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	MATCH TO PL1	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.

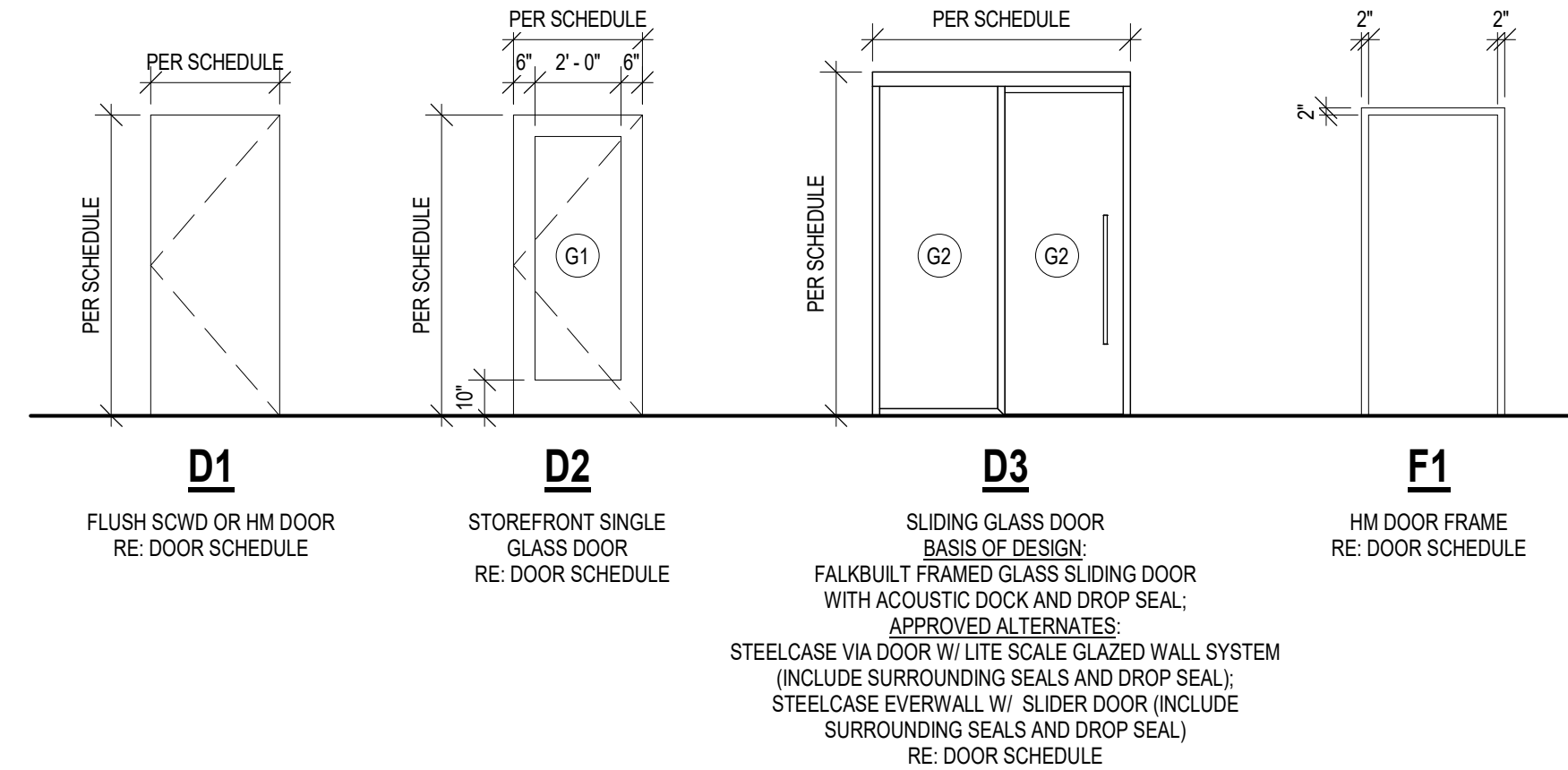
GENERAL NOTE:

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

DOOR SCHEDULE											
DOOR NO.	ROOM NAME	WIDTH	HEIGHT	DOOR TYPE	DOOR MAT.	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	RTG	POWER
101-X	LOBBY	3'-0"	6'-11 1/2"	D2	AL/GL	N/A - EXISTING		AL	N/A - EXISTING		1, 2
102-X	WORKSTATIONS	3'-0"	6'-8"	D1	HM	P1	P1	HM	P1		2, 3
104	UTILITY	2'-8"	7'-0"	D1	SCWD	P1	F1	HM	P1		
106	RR	3'-0"	6'-8"	D1	SCWD	P1	F1	HM	P1		
108	STORAGE / IT	3'-0"	6'-8"	D1	SCWD	P1	F1	HM	P1		
109	OFFICE	6'-0"	8'-0"	D3	AL/GL	PWC1		AL	PWC1		
110	OFFICE	6'-0"	8'-0"	D3	AL/GL	PWC1		AL	PWC1		
111	CONFERENCE ROOM	6'-0"	8'-0"	D3	AL/GL	PWC1		AL	PWC1		
112	CONFERENCE ROOM	6'-0"	8'-0"	D3	AL/GL	PWC1		AL	PWC1		
130	RR	3'-0"	7'-0"	D1	SCWD	P1	F1	HM	P1		

DOOR SCHEDULE REMARKS:

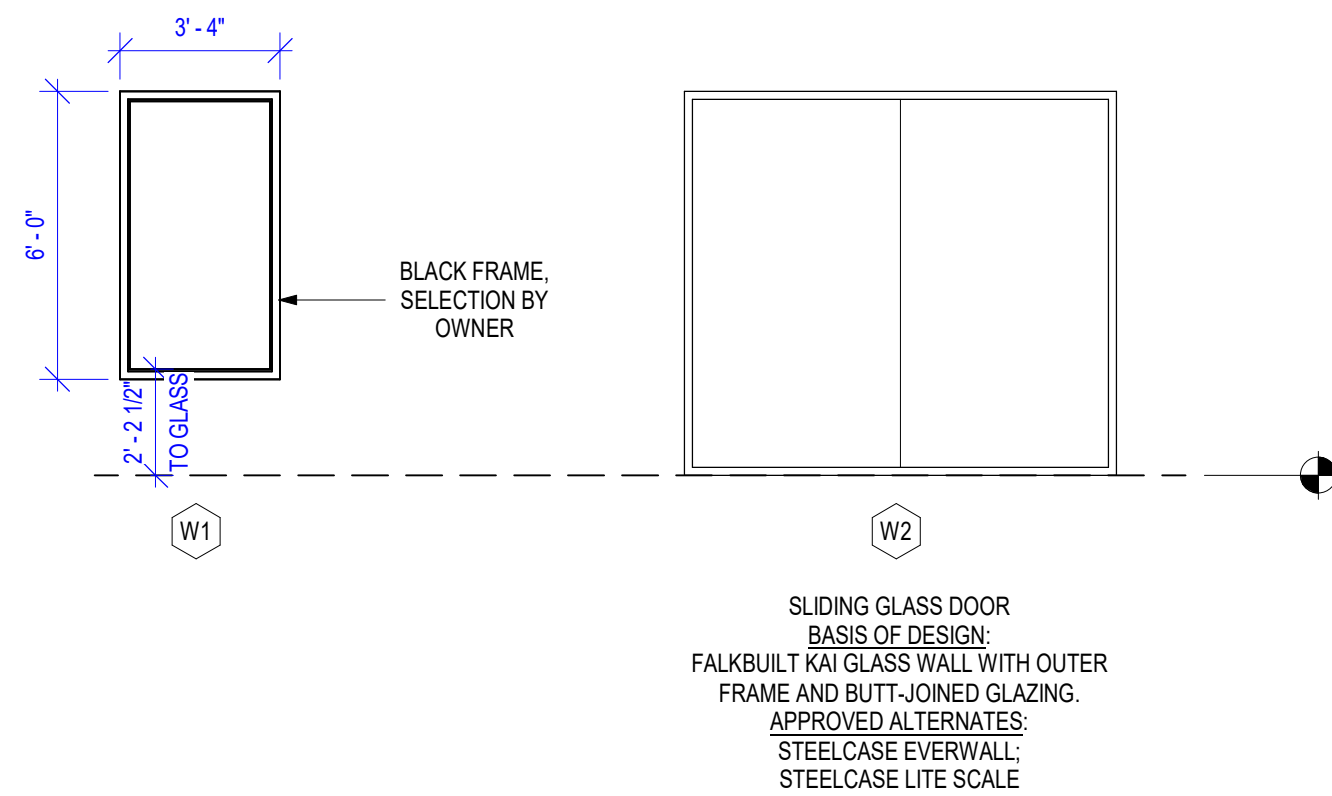
- EXISTING DOOR TO REMAIN. PROTECT DOOR AND FRAME FROM DAMAGE THROUGHOUT CONSTRUCTION. ANY DAMAGE TO BE REPAIRED/REPLACED PER OWNER DISCRETION.
- PROVIDE DOOR ACCESS SYSTEM. COORDINATE WITH OWNER TO INTEGRATE WITH SYSTEM AT ADJACENT SOUTH BUILDING GARAGE DOOR.
- EXISTING DOOR AND FRAME TO BE REFINISHED; RE: FINISH LEGEND.



NOTE:

- DOORS TO BE 1-3/4" THICK, UNLESS NOTED OTHERWISE ON DOOR SCHEDULE.
- REFER TO GLASS SCHEDULE FOR GLAZING TYPE AND THICKNESS.

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



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

GENERAL NOTES:

DOOR SCHEDULE

- HM REFERS TO HOLLOW METAL
- AL REFERS TO ALUMINUM
- WD REFERS TO WOOD
- SCWD REFERS TO SOLID CORE WOOD
- ALL EXTERIOR ALUMINUM DOORS & FRAMES ARE TO BE FINISHED TO MATCH ADJACENT ALUMINUM WINDOW FRAME, U.N.O.
- FOR FINISH COLOR DESIGNATION FOR INTERIOR DOOR AND FRAMES, REFER TO FINISH LEGEND.
- REFER TO SPECIFICATION FOR DOOR HARDWARE SET DESIGNATIONS.
- 2 HOUR FIRE BARRIED DOORS = 90 MINUTE RATING
- 1 HOUR FIRE BARRIED DOORS = 45 MINUTE RATING
- 1 HOUR SMOKE BARRIER = 20 MINUTE RATING
- PROTECT ALL DOORS & FRAMES FROM DAMAGE THROUGHOUT CONSTRUCTION PHASES
- ALL EGRESS DOORS TO BE PROVIDED WITH PANIC HARDWARE

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.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CASEWORK FABRICATION AND INSTALLATION.
- ALL EXPOSED CASEWORK SURFACES SHALL BE FINISHED PLASTIC LAMINATE AS SCHEDULED, U.N.O.
- ALL PLASTIC LAMINATE DOOR AND DRAWERS TO RECEIVE 1MM PVC EDGEBAND AND ALL COUNTERTOPS 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 D.P. SD. 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 OR 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 MECH001S SYSTEM W/ MECH0 SCWD 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:

- CONCRETE POLISH PROCESS:
- 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 (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.

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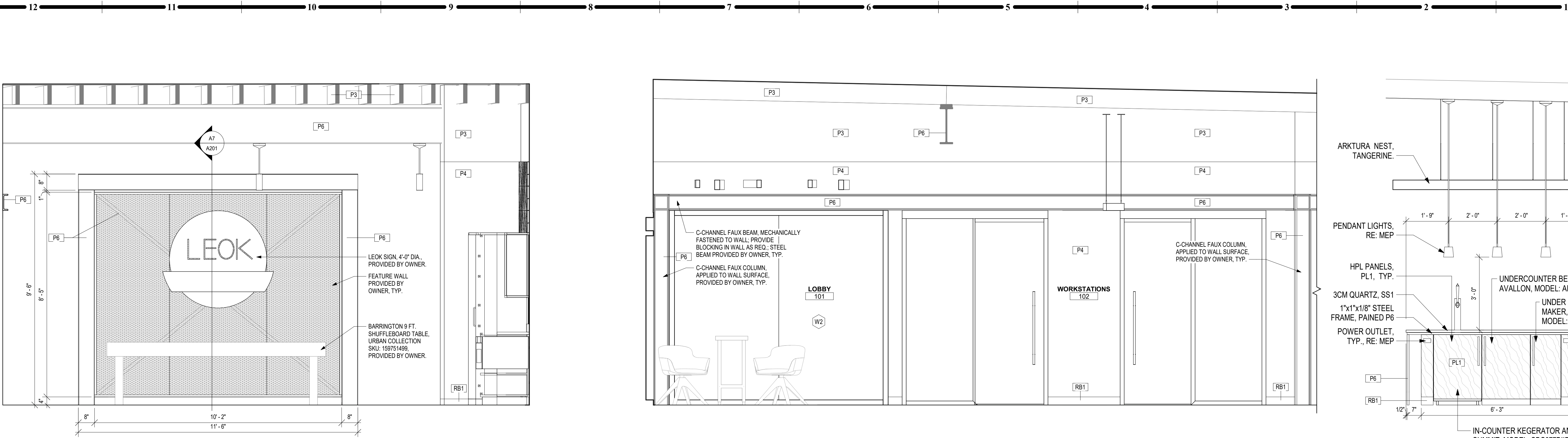
A501

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

DOOR SCHEDULE, FINISH
LEGEND & FINISH SCHEDULE



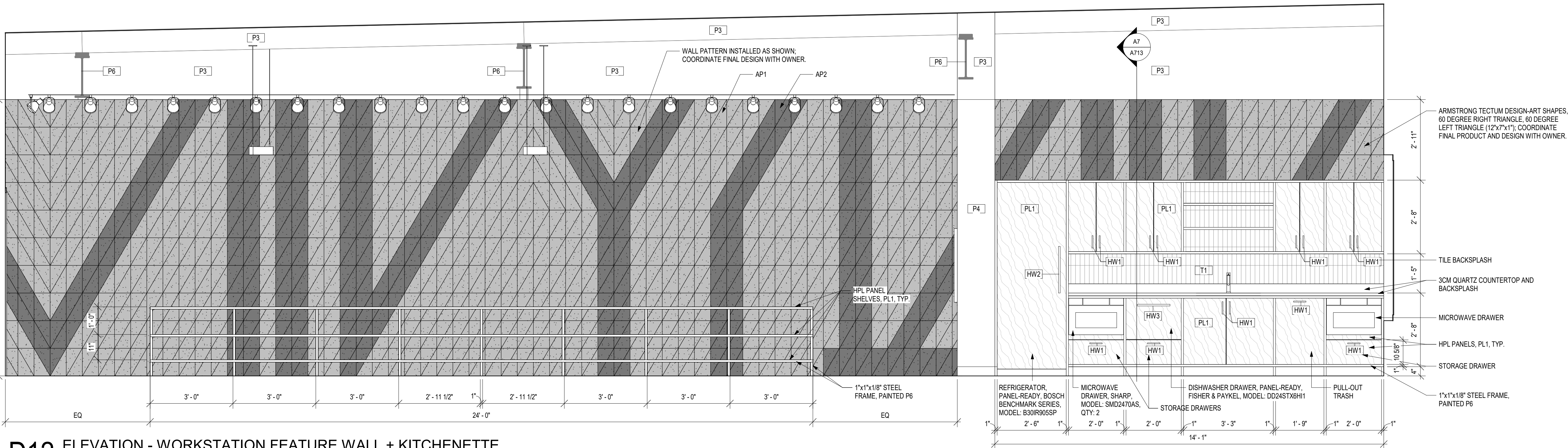
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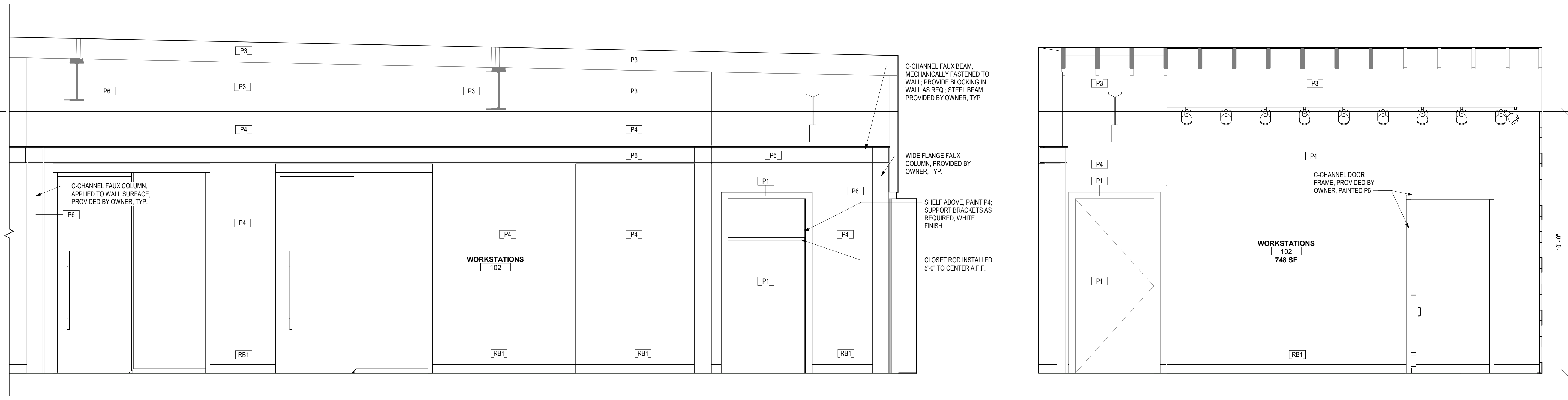
H12 ELEVATION - LOBBY FEATURE WALL
1/2" = 1'-0"

H8 ELEVATION - LOBBY
1/2" = 1'-0"

H2 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 G201 FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
2. RE: SHEET G202 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 A201 FOR REVEAL AND CONTROL JOINT DETAILS, WALL PROTECTION DETAILS, AND FLOOR TRANSITION / WALL BASE DETAILS.
6. RE: SHEET A101 FOR TOILET ACCESSORY SCHEDULE.
7. 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 WALLCOVERING 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.
12. 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:

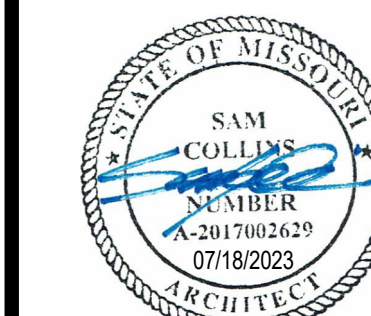
ALL NEW STEEL W-SECTIONS, C-CHANNELS, 1x SQUARE TUBE, AND PERFORATED METAL PANELS WILL BE OWNER-PROVIDED, INCLUDING STEEL FRAMING FOR ALL CASEWORK AND MILLWORK; CASEWORK AND MILLWORK PANELS, HARDWARE, AND INSTALLATION ARE G.C. SCOPE.

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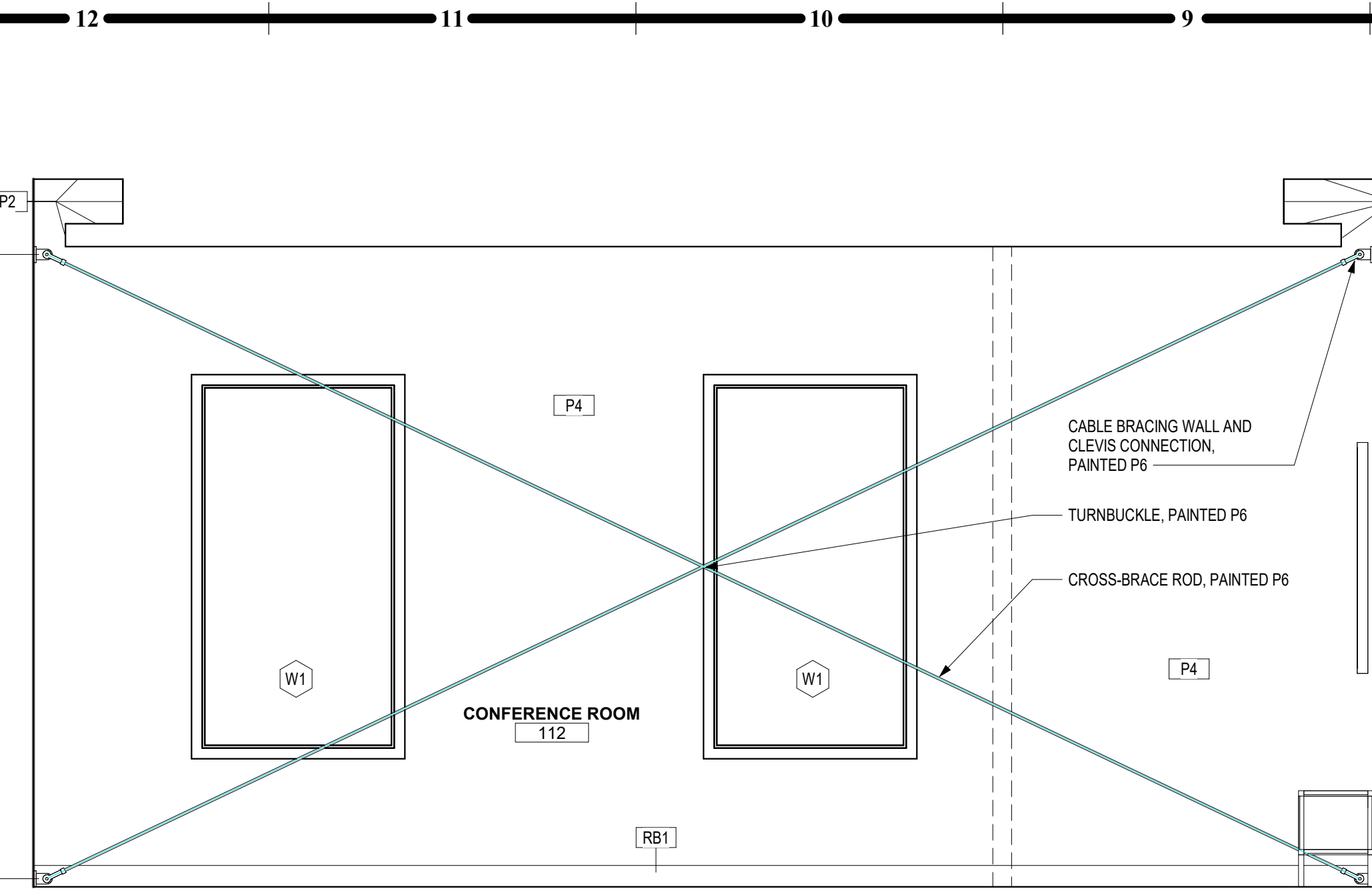
ISSUE DATE: JULY 17, 2023
COLLINS WEBB #: 23033

INTERIOR ELEVATIONS

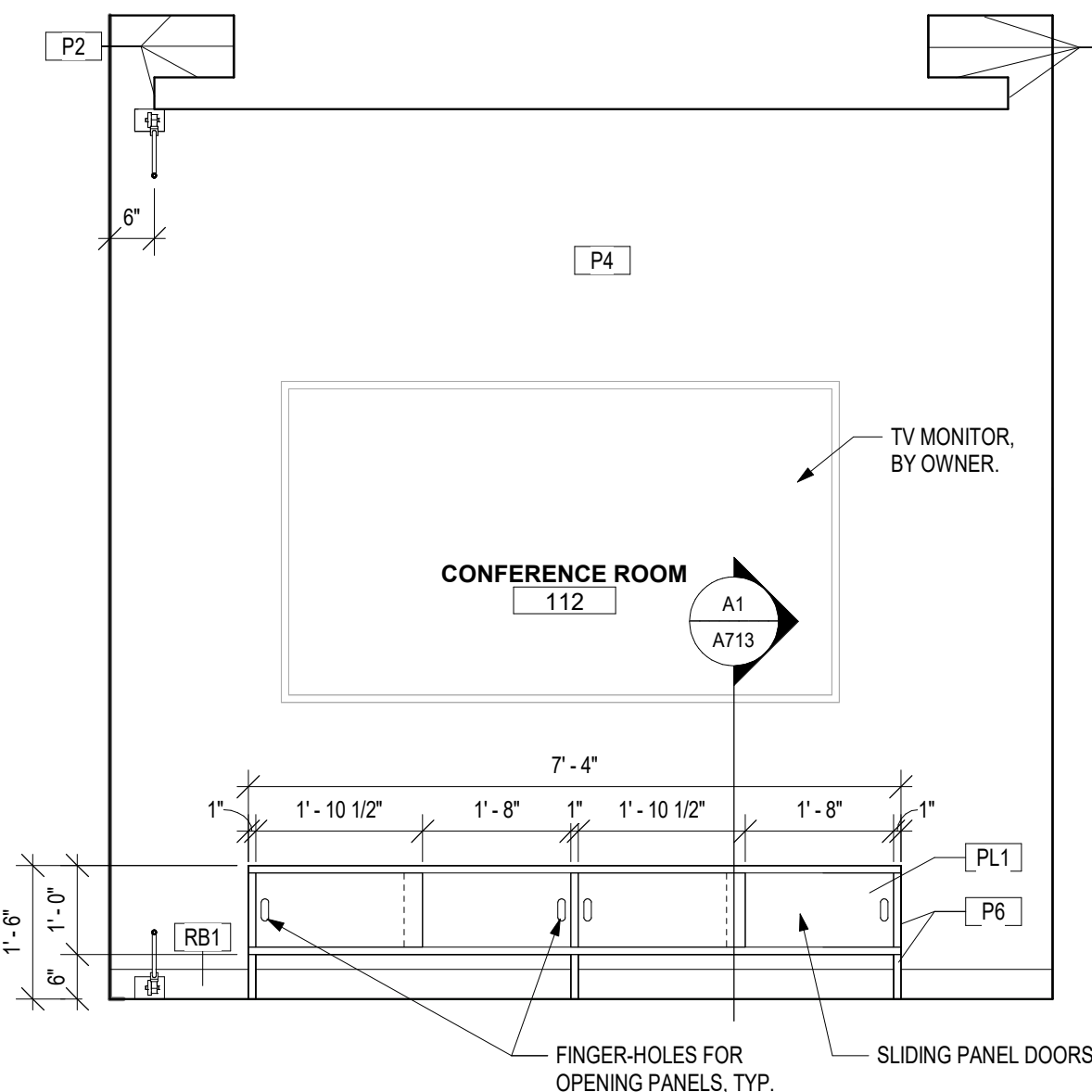


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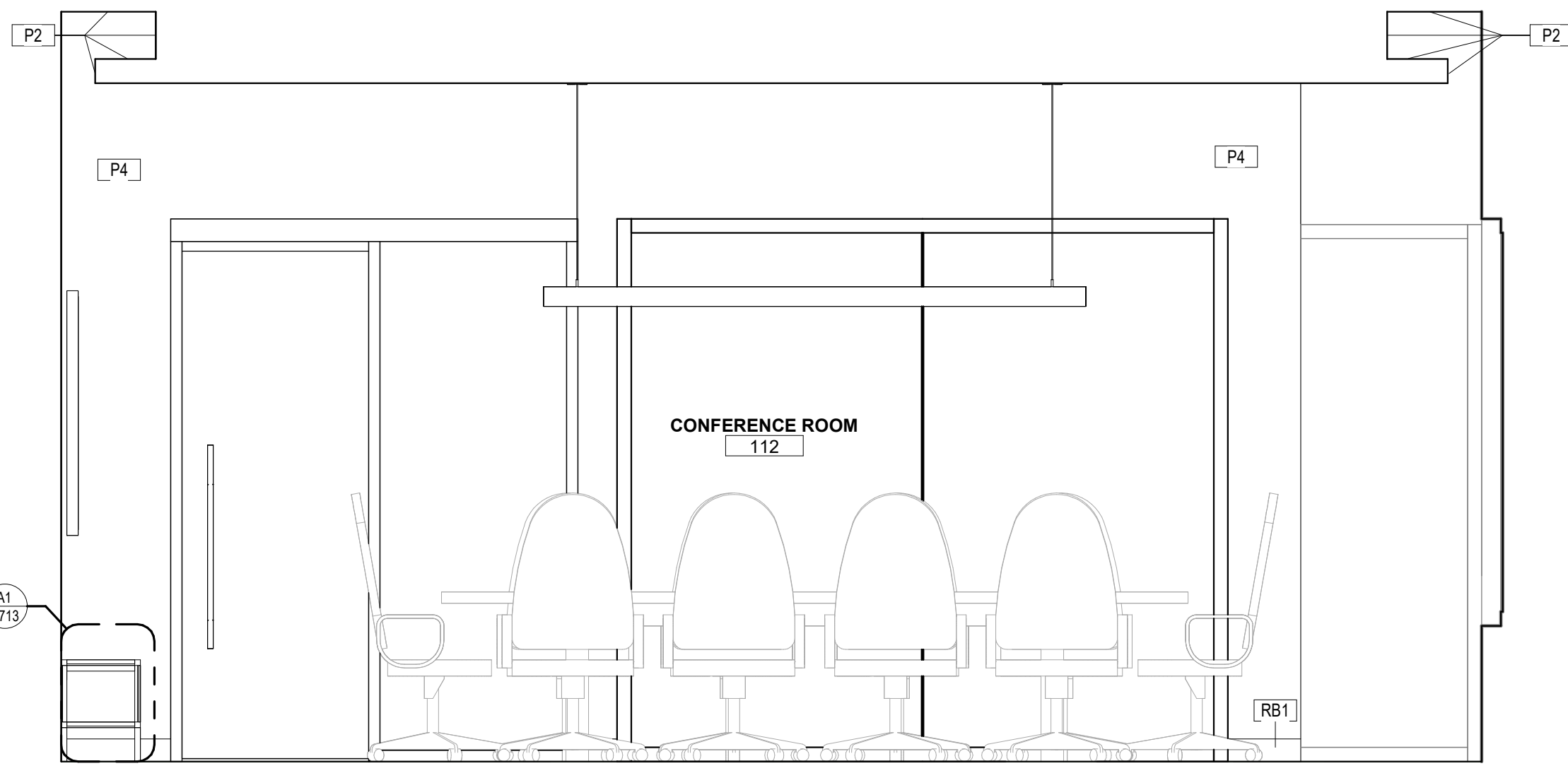
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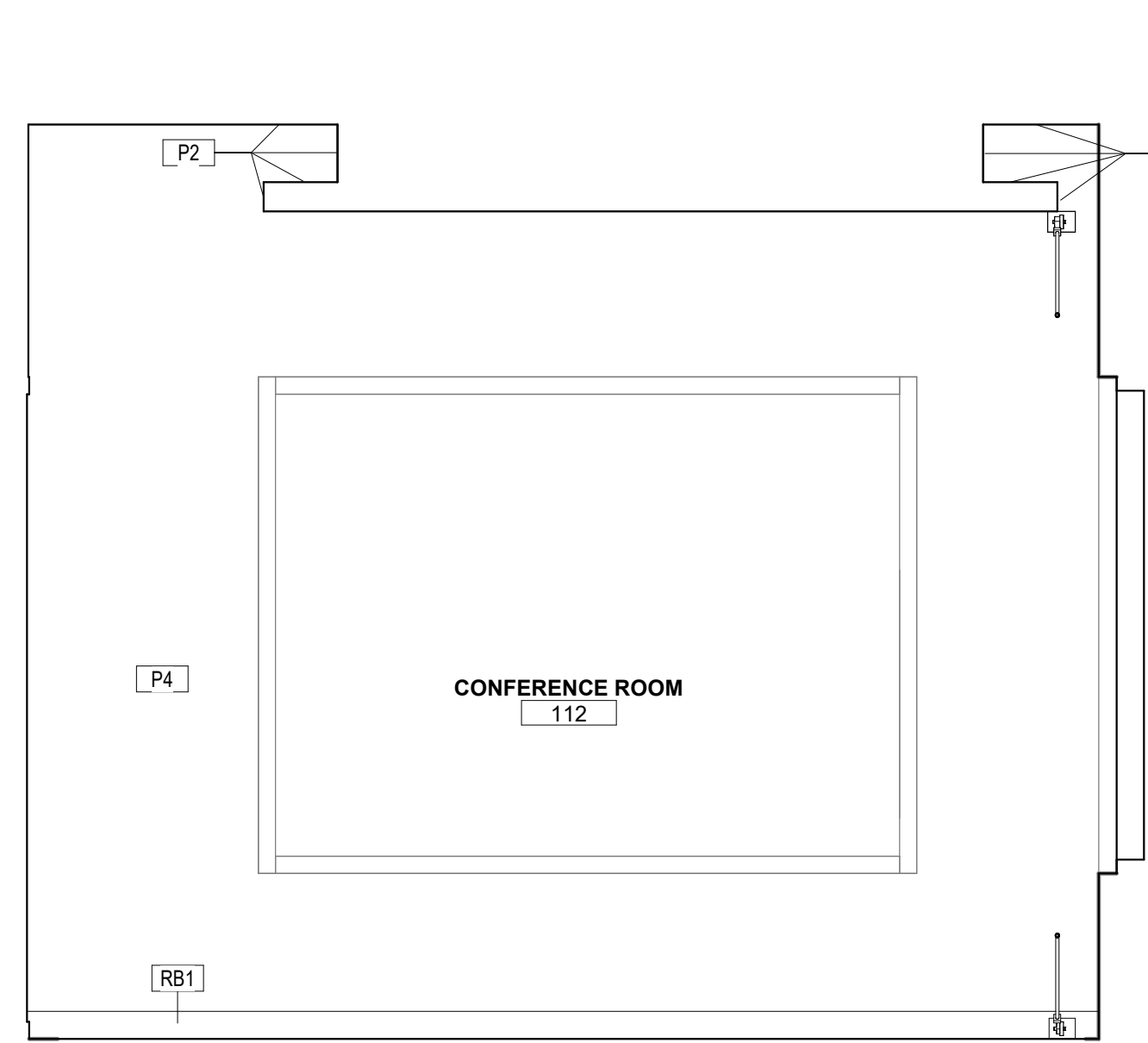
H12 ELEVATION - CONFERENCE ROOM NORTH
1/2" = 1'-0"



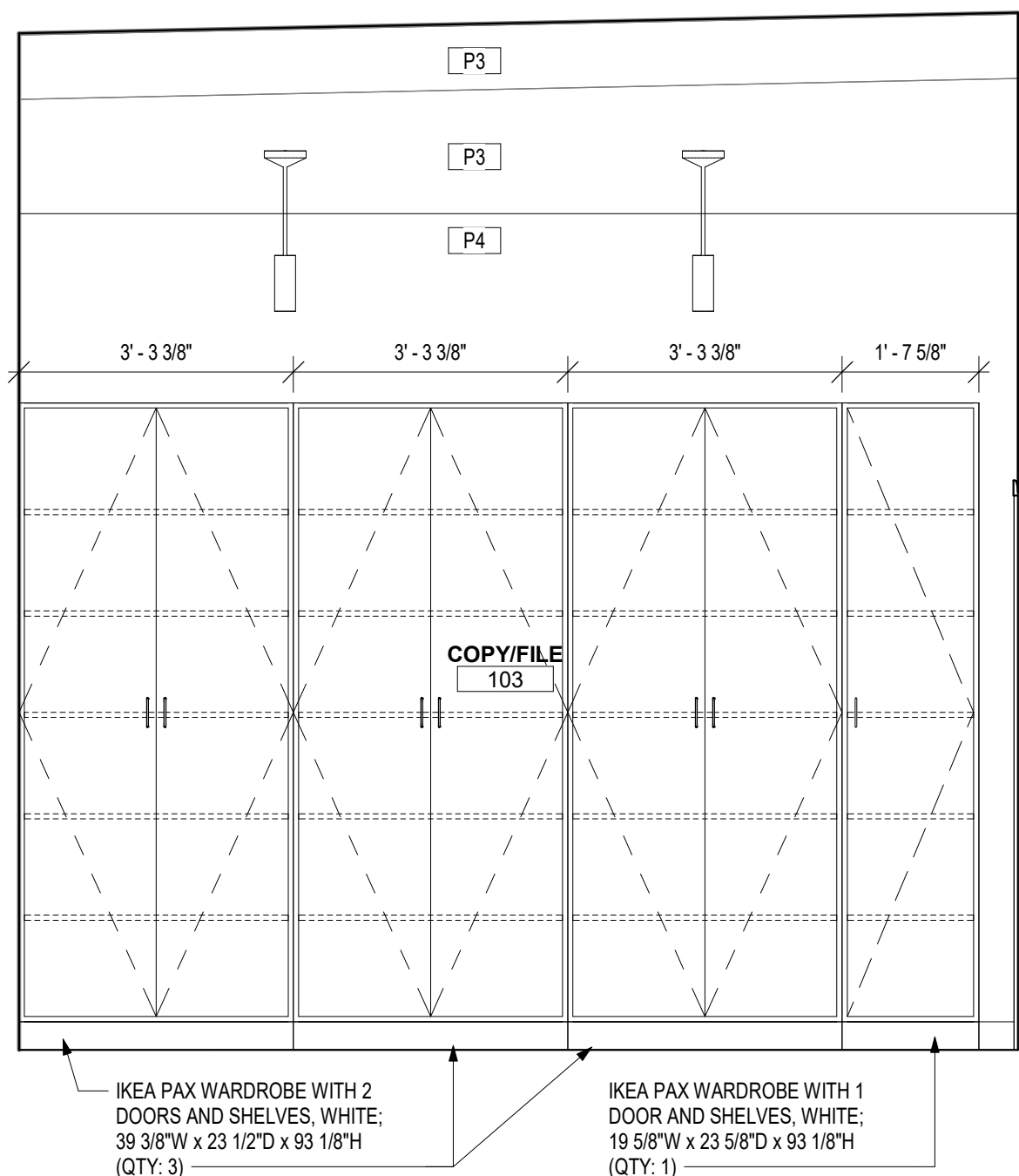
H7 ELEVATION - CONF. ROOM EAST
1/2" = 1'-0"



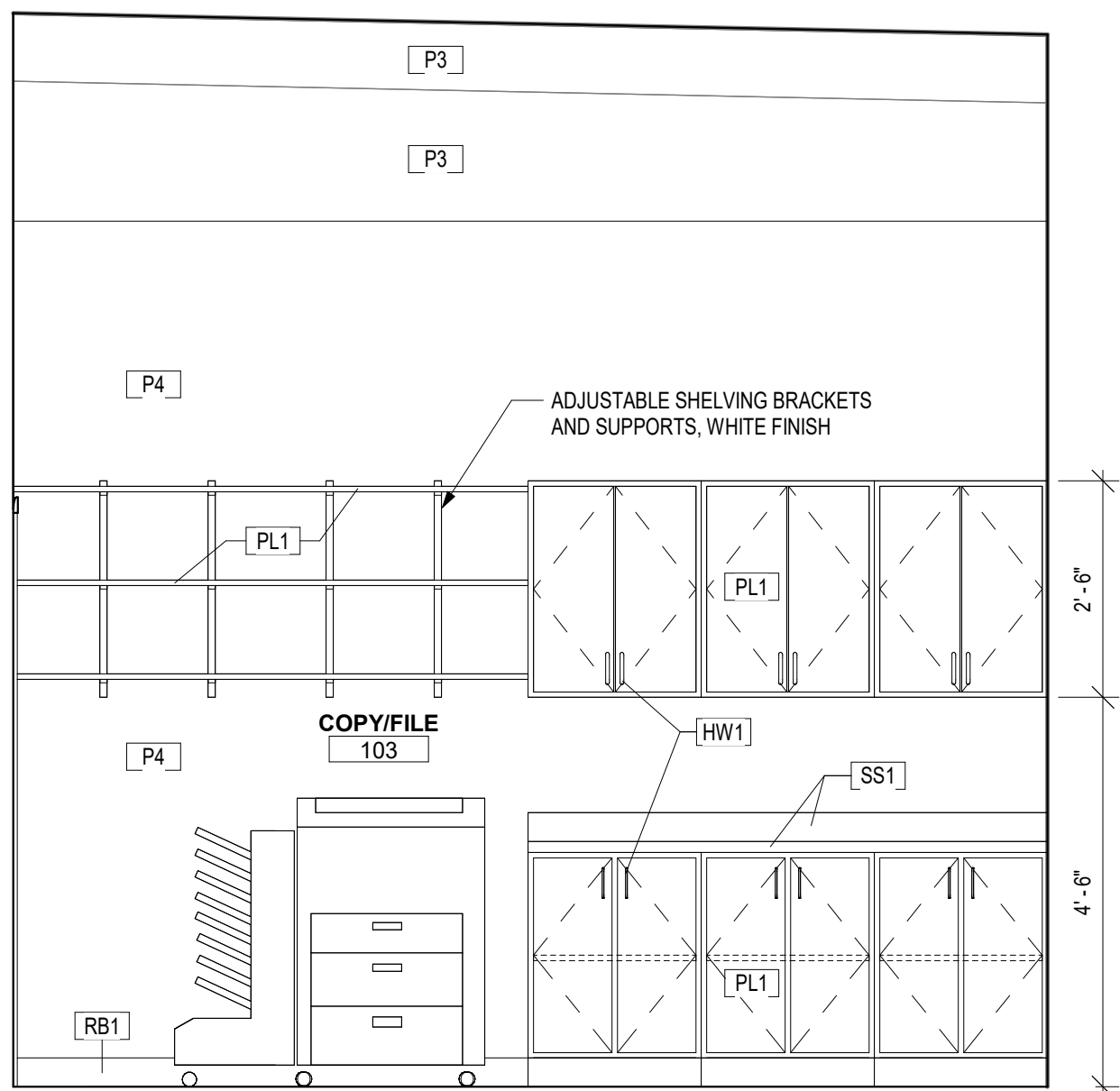
H4 ELEVATION - CONFERENCE ROOM SOUTH
1/2" = 1'-0"



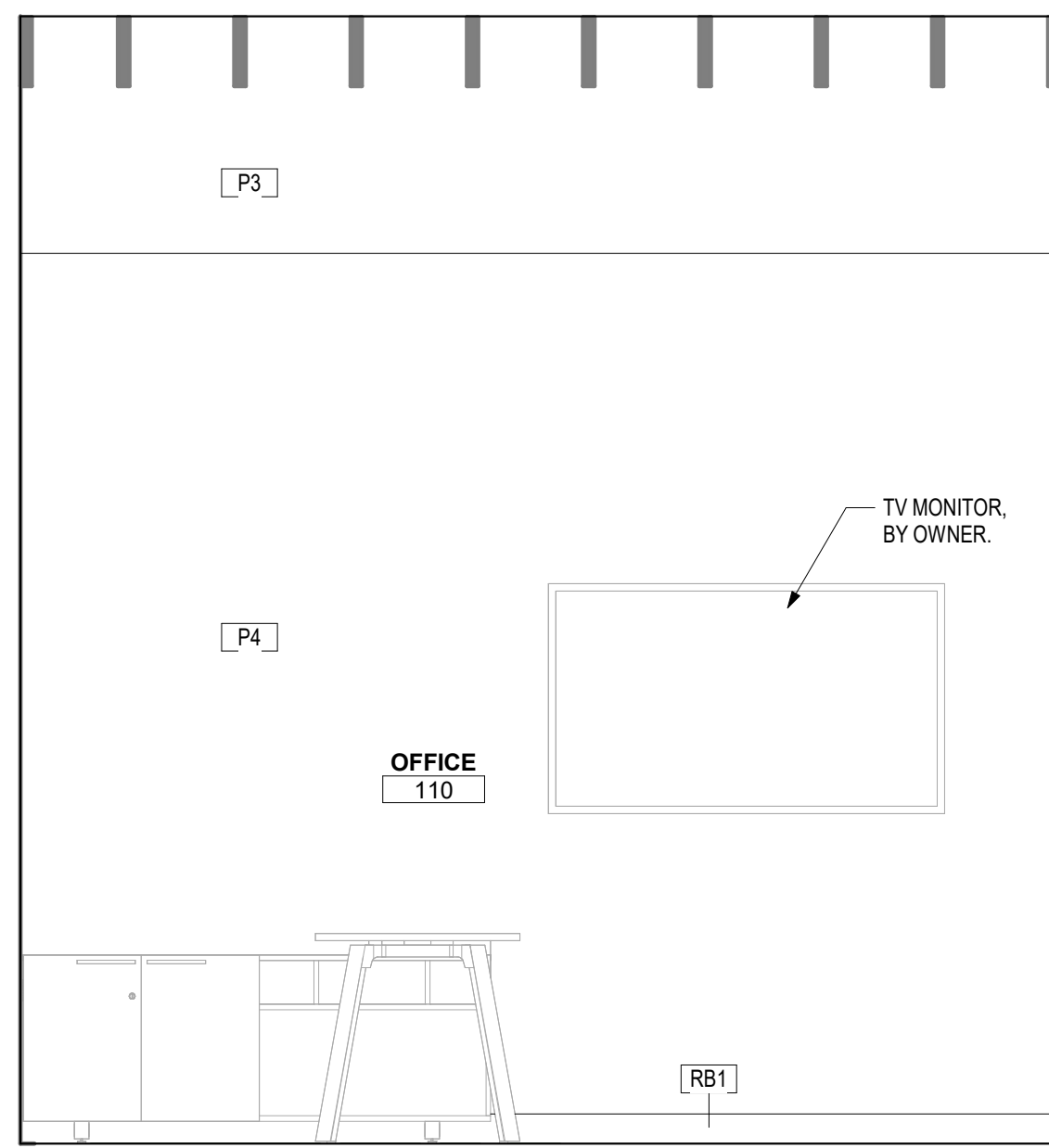
E12 ELEVATION - CONF. ROOM NORTH
1/2" = 1'-0"



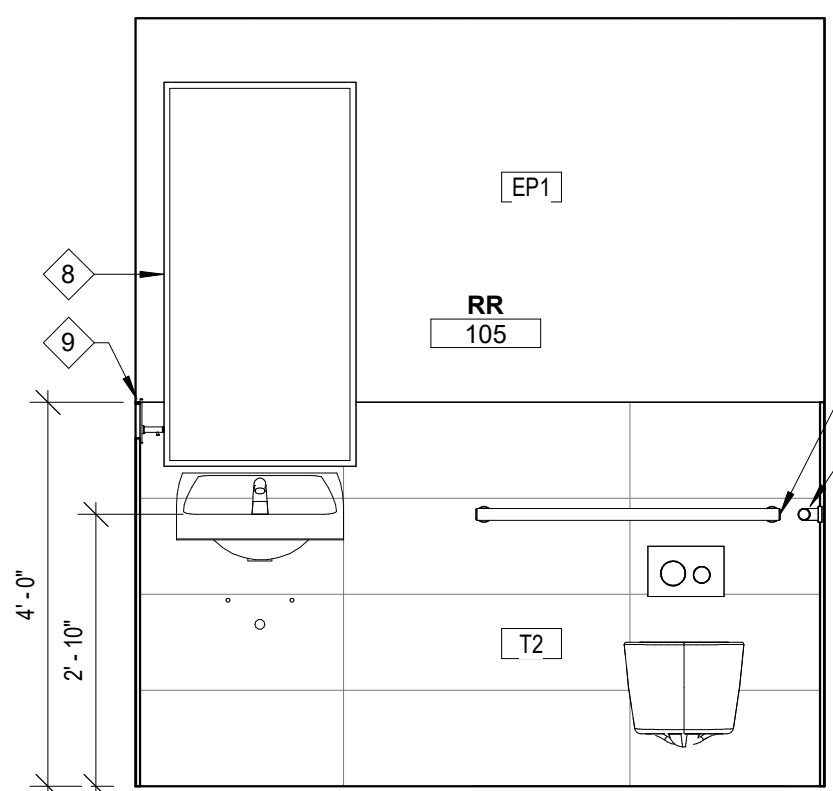
E9 ELEVATION - COPY/FILE SOUTH
1/2" = 1'-0"



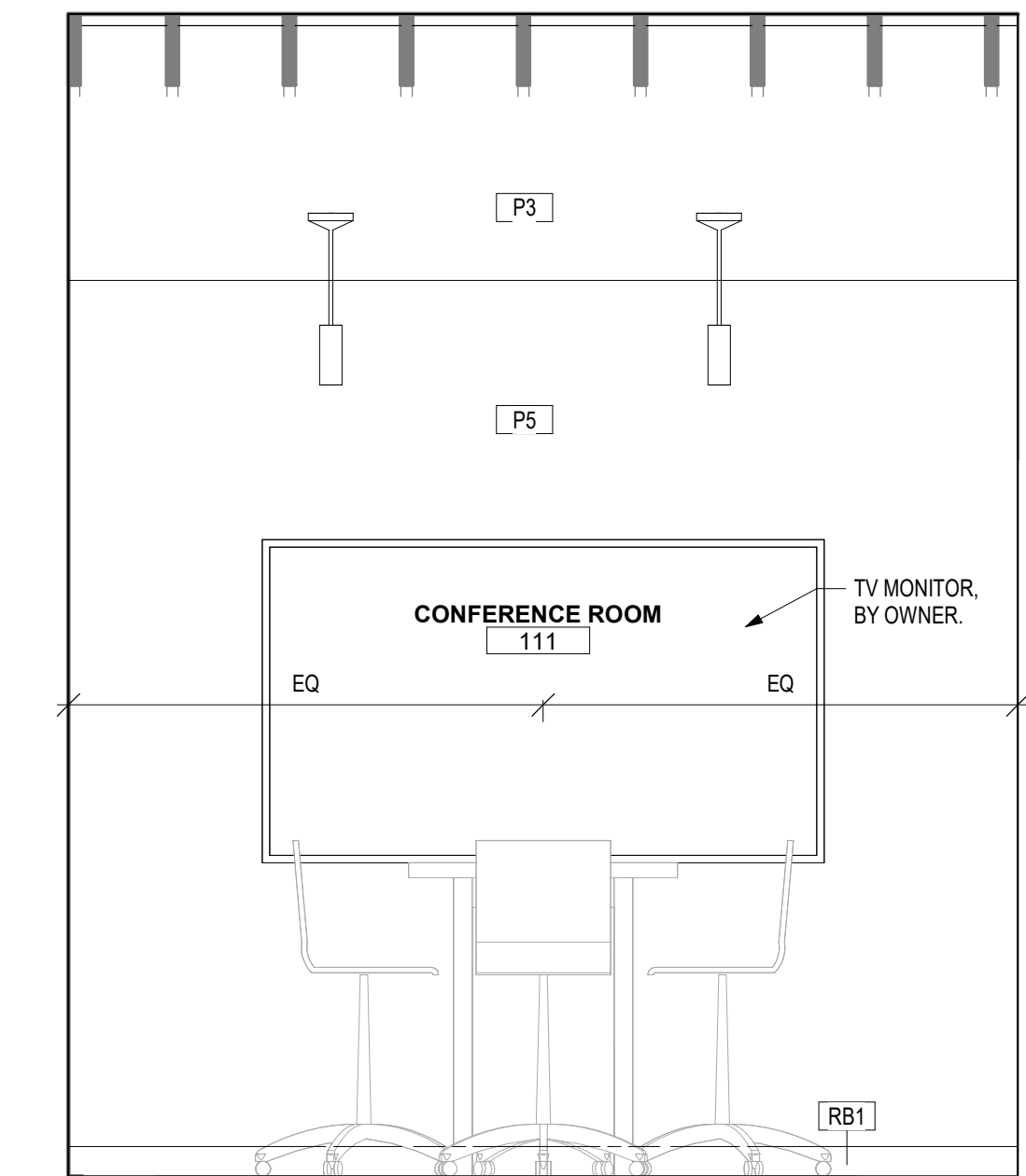
E7 COPY/FILE NORTH
1/2" = 1'-0"



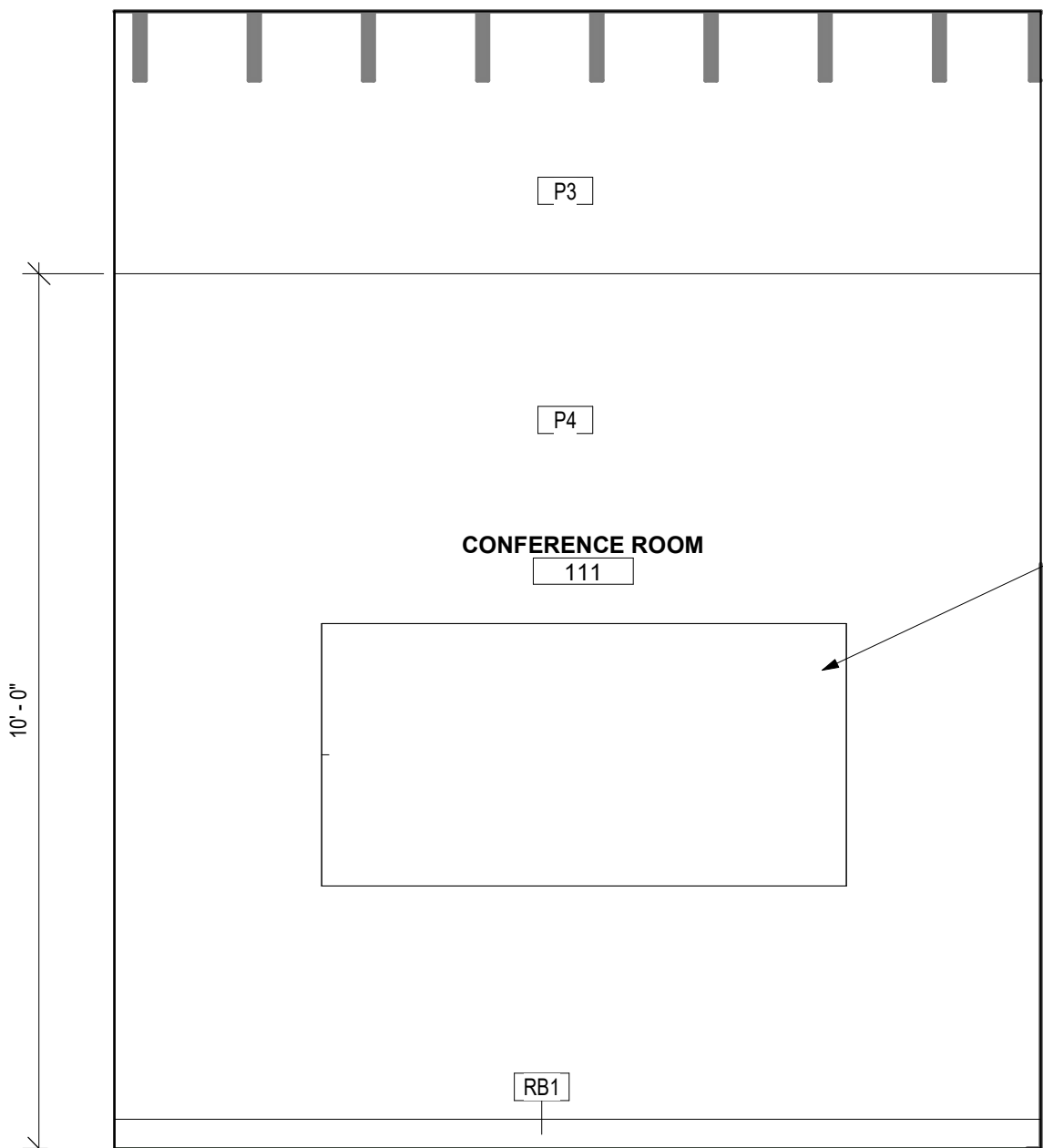
E4 OFFICE, TYP.
1/2" = 1'-0"



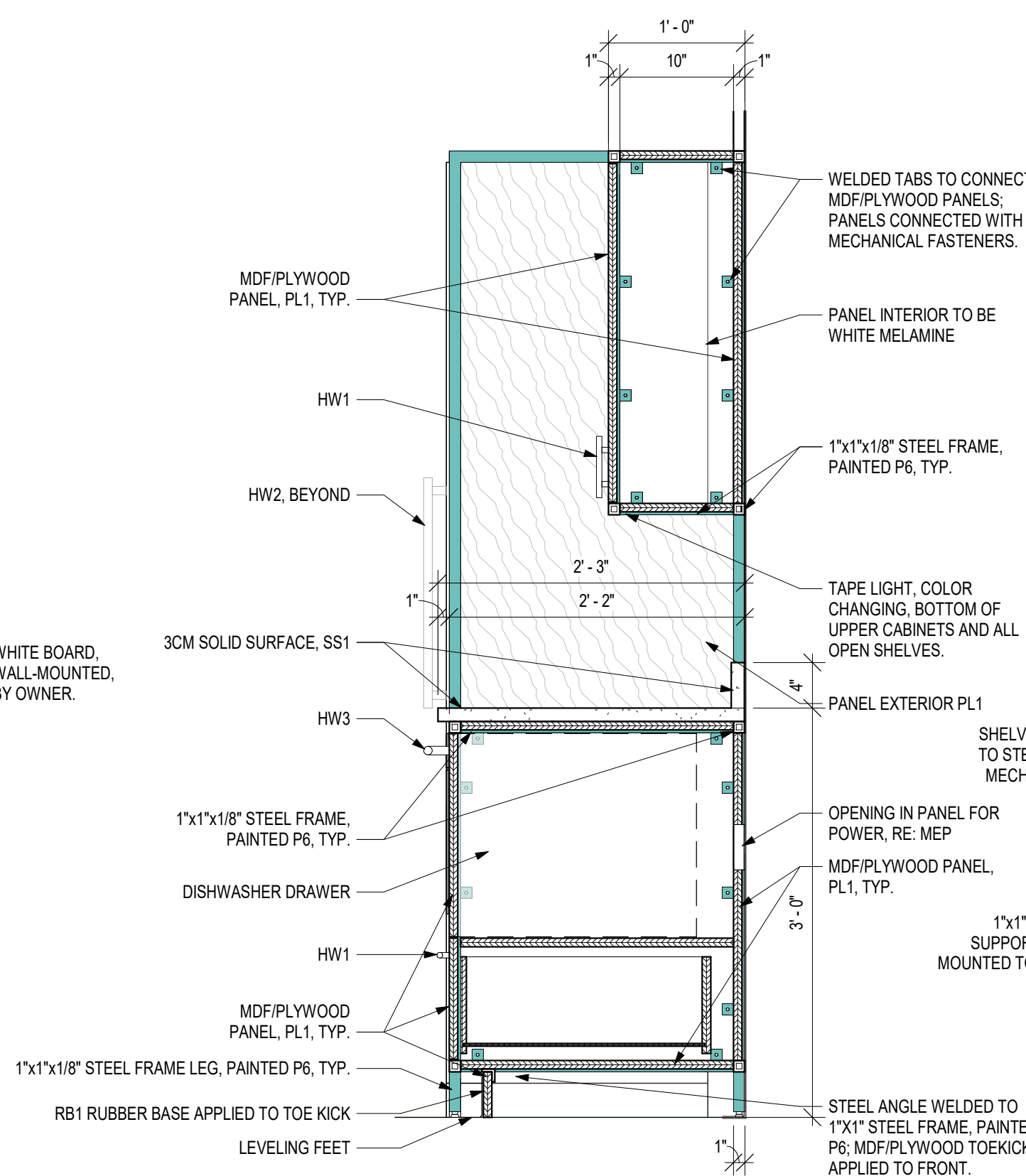
E2 RESTROOM ELEVATION, TYP.
1/2" = 1'-0"



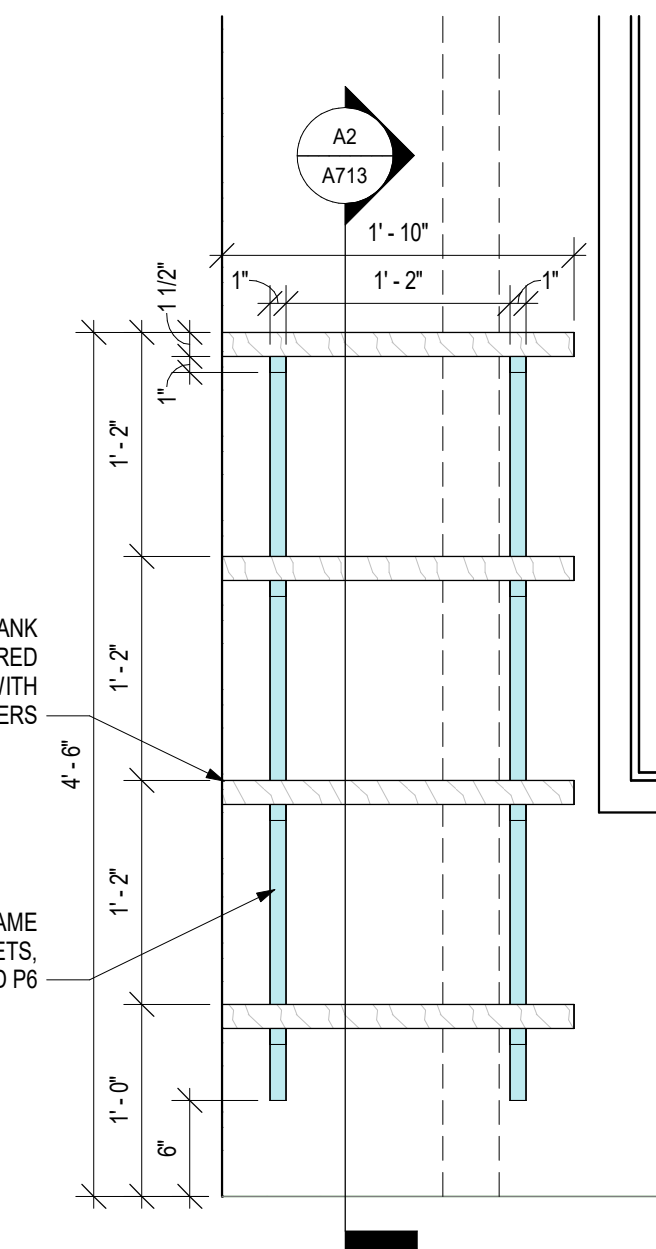
A12 ELEVATION - CONFERENCE ROOM EAST
1/2" = 1'-0"



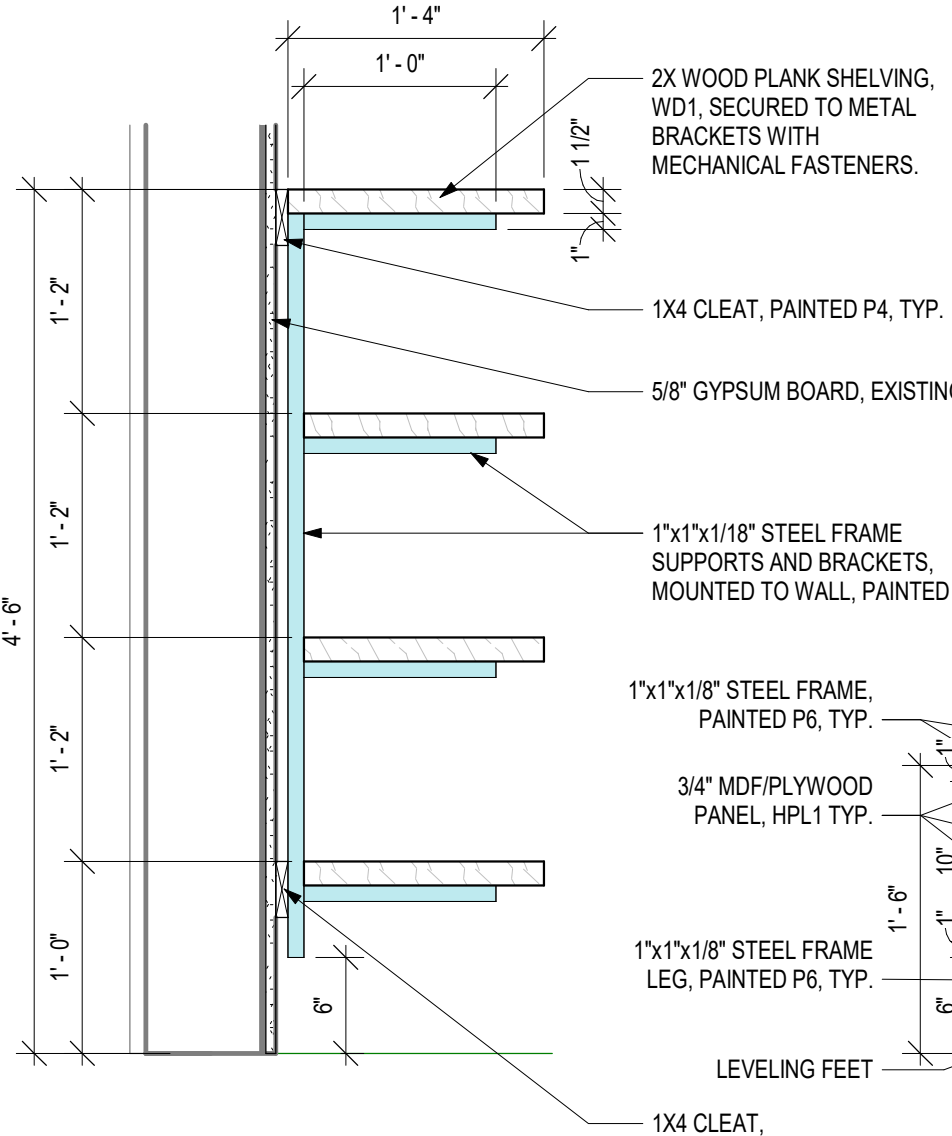
A9 ELEVATION - CONFERENCE ROOM WEST
1/2" = 1'-0"



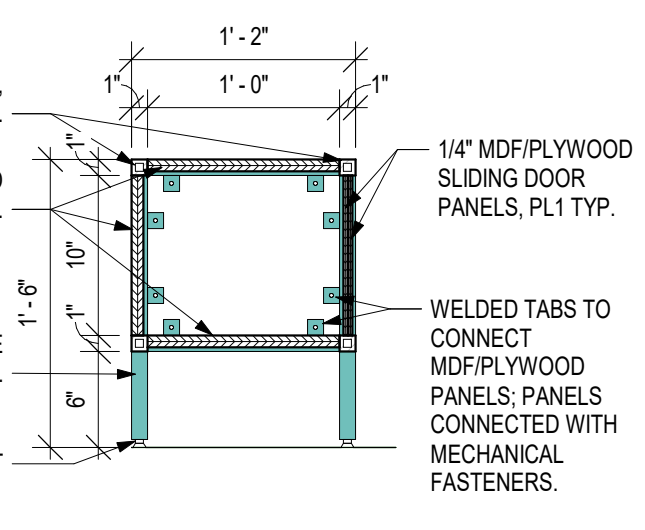
A7 DETAIL SECTION - CASEWORK @ KITCHENETTE
1" = 1'-0"



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



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



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

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 A501 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.
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GENERAL NOTES: CASEWORK

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7. CONTRACTOR SHALL APPLY CLEAR MILDEW RESISTANT SILICONE SEALANT WHERE BACKSPLASH MEETS WALL AND COUNTERTOP.
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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:

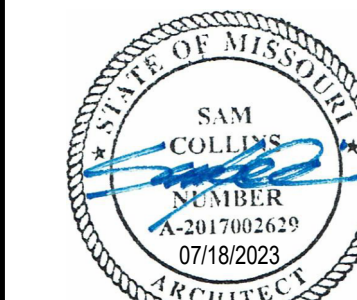
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INTERIOR ELEVATIONS & DETAILS



PERMIT SET

GRILLE, REGISTER AND DIFFUSER SCHEDULE										
MARK	MANUFACTURER	MODEL	TYPE	NECK SIZE (L" x W")	FACE SIZE (L" x W")	FRAME TYPE	FINISH	NC	ACCESSORIES	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	520	DOUBLE DEFLECTION ADJ. SUPPLY GRILLE	—	(6" x 8")	SURFACE	—	<30	OBD	SEE NOTES
E	PRICE	520	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	SOS75	LINEAR 2-SLOT DIFFUSER	7"	(48" x 1.5")	LAY-IN	—	<30	OBD	SEE NOTES
H	PRICE	80	EGG CRATE RETURN GRILLE	—	(10" x 10")	SURFACE	—	<30	OBD	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			ELECTRICAL		ACCESSORIES	APPROX. WEIGHT (LBS)	REMARKS	
					AIR FLOW (CFM)	EXT. STATIC (IN.W.C.)	FAN SPEED (RPM)	SONES	VOLTS/ø/HZ	FAN MOTOR HP			
1	GREENHECK	G-070-VG	DOWNBLAST CENTIFUGAL	DIRECT	200	0.46	1725	5.7	115/60/1	1/15	AD, BS, RC, WP	100	SEE NOTES
2													
3													
4													
5													

ACCESSORIES:
AD—MOTORIZED CONTROL DAMPER, BS—BIRD SCREEN, BD—BACKDRAFT DAMPER, DS—DISCONNECT SWITCH, IG—INLET GUARD, MR—WALL MOUNTING RING, RC—PREFABRICATED INSULATED ROOF CURB, SC—PREFABRICATED SOUND ATTENUATING ROOF CURB, WG—WALL GRILLE, WP—NEMA 3R DISCONNECT SWITCH

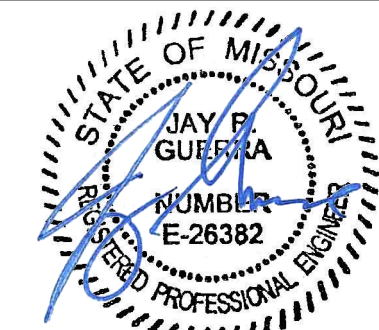
NOTES:
1) MODEL NUMBERS ARE GENERAL MODEL NUMBERS FOR BASIS OF DESIGN. MODEL NUMBER MAY NOT INCLUDE ALL ACCESSORIES REQUIRED. SEE SPECIFICATIONS.
2)

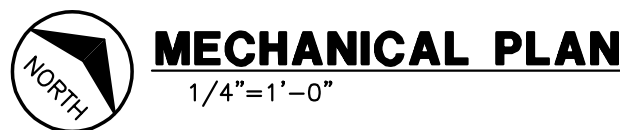
Zone/ System	AREA BASIS			OCCUPANCY BASIS				G Zone Air Distribution Effectiveness	Required Ventilation Air (CFM) (C+F)/G	Design Ventilation Air (CFM)
	A Area (ft²)	B CFM/ft²	C CFM (A x B)	D Persons	E # of People	F CFM per Person	F CFM (D x E)			
Large Conf	232	0.06	14	50	12	5	58	0.8	90	
Large Office	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	1862									290

NOTES:
OCCUPANCY AND VENTILATION RATES ARE AS REQUIRED PER THE 2018 INTERNATIONAL MECHANICAL CODE (TABLE 403.3).

	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		
	ROUND SPIN-IN WITH DAMPER		
	SQUARE TO ROUND TAP WITH DAMPER		
	FLEXIBLE DUCT CONNECTION		
	FIRE DAMPER		
	SMOKE DAMPER		
	COMBINATION FIRE/SMOKE DAMPER		
	ELECTRIC OPERATED DAMPER		
	PNEUMATIC OPERATED DAMPER		
	BACKDRAFT DAMPER		
	VOLUME DAMPER		
	FLEXIBLE DUCTWORK		
	SUPPLY DIFFUSER		
	SUPPLY DIFFUSER WITH 3-WAY THROW		
	SUPPLY DIFFUSER WITH 2-WAY THROW		
	SUPPLY DIFFUSER WITH 1-WAY THROW		
	SLOT DIFFUSER		
	ROUND SUPPLY DIFFUSER		
	SIDEWALL MOUNTED SUPPLY REGISTER		
	RETURN GRILLE		
	EXHAUST GRILLE		
	ROOF MOUNTED EXHAUST FAN		
	CEILING MOUNTED EXHAUST FAN		
	IN-LINE CABINET FAN		
	FAN TERMINAL UNIT		
	VAV TERMINAL UNIT		
	AIR HANDLING UNIT		
	ROOFTOP UNIT		

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

[illegible]



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.

E. DUCTWORK DIMENSIONS LISTED ON PLANS INDICATE INTERNAL FREE AREA.

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

- ① PROVIDE NEW ROOFPORT 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.
- ② PROVIDE 1/2" LINED RETURN BOOT ON UNIT RETURN.
- ③ PROVIDE 1/2" LINED 10X10 RETURN AIR TRANSFER BOOT POINTED UP TOWARDS CEILING.
- ④ PROVIDE NEW EXHAUST FAN AND CURB ON ROOF. COORDINATE FINAL LOCATION WITH STRUCTURAL ENGINEER. ROUTE EXHAUST DUCTWORK DOWN THROUGH CURB TO SPACE BELOW.
- ⑤ PROVIDE THERMOSTAT AND CONTROL WIRING FOR ROOFPORT UNIT. MOUNT THERMOSTAT AT SAME ELEVATION AS ADJACENT LIGHT SWITCHES AND WITH ACCESSORIES. COORDINATE FINAL LOCATION AND FINISH WITH ARCHITECT.

[illegible]

GTS
ENGINEERING

209 SE DOUGLAS
LEE'S SUMMIT, MO 64063

REVISION DATES:



MECHANICAL PLAN

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

ELECTRIC WATER HEATER SCHEDULE

MARK 	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		PRESSURE HEAD (FT)	CONTROL HEAD (FT)	MOTOR DATA		ELECTRICAL	SERVICE	REMARKS
				FLUID TEMP (°F)	FLOW (GPM)			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
---	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
---E---	ELBOW DOWN
---E---	ELBOW UP
---T---	TEE DOWN
---T---	TEE UP
---E---	END CAP
---	CHECK VALVE
---	REDUCER – CONCENTRIC
---	REDUCER – ECCENTRIC
---	UNION – SCREWED
---	SHUT-OFF VALVE
---	DEMOLITION PLUMBING PLAN NOTE
---	PLUMBING PLAN NOTE
---	FIRE PROTECTION PLAN NOTE
---	FIXTURE IDENTIFICATION
---	REVISION NOTE
---	POINT OF CONNECTION NEW/EXISTING
AFT/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.

FIRE PROTECTION GENERAL NOTES

1. PROVIDE THIS SPACE WITH AN AUTOMATIC WET PIPE SPRINKLER SYSTEM. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, PROVIDE NEW LAYOUT WITH DESIGN UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, AND ALL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION OF THE PROPOSED TENANT FINISH OF THIS SPACE. CONTRACTOR SHALL PREPARE ALL NEEDED DRAWINGS, ALL REQUIRED CALCULATIONS AND P.E. SEALS, AND HAVE APPROVAL OF ALL STATE, LOCAL, AND INSURANCE UNDERWRITING AUTHORITIES AS WELL AS MEETING ALL N.F.P.A. REQUIREMENTS. THE SPRINKLER SYSTEM SHALL BE TESTED UNDER PRESSURE BY FIRE PROTECTION CONTRACTOR, INSPECTED AND APPROVED BY LOCAL FIRE MARSHALL PRIOR TO ACCEPTANCE BY OWNER.
2. FIRE PROTECTION SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH NFPA 13. SYSTEM SHALL ALSO MEET ALL APPLICABLE BUILDING CODES, FIRE CODES AND THE THE REQUIREMENTS OF THE AUTHORITY HAVE JURISDICTION AND INSURANCE CARRIER. VERIFY REQUIREMENTS PRIOR TO BID SUBMITTAL.
3. INFORMATION ON CONTRACT DOCUMENTS IS GENERAL INFORMATION AND FOR BID PURPOSES ONLY. LAYOUT SYSTEM, PERFORM REQUIRED CALCULATIONS AND COORDINATION WITH OUR TRADES.
4. PROVIDE ADDITIONAL MATERIALS AND LABOR REQUIRED DUE TO LACK OF COORDINATION AND TO MEET AUTHORITY HAVE JURISDICTION AND INSURANCE CARRIER REQUIREMENTS AT NO ADDITIONAL COST THE OWNER.
5. IN AREAS AFFECTED BY THE ARCHITECTURAL SCOPE OF WORK, RELOCATE AND/OR PROVIDE ADDITIONAL SPRINKLERS, PIPING, HANGERS, AND ETC., COORDINATE WITH WALLS, CEILING, LIGHTS, DIFFUSERS, STRUCTURE, OBSTRUCTIONS, ETC.
6. COORDINATE SPRINKLER SYSTEM MODIFICATIONS TO MINIMIZE SYSTEM IMPAIRMENTS. PROVIDE FIRE WATCH AND INTERIM FIRE PROTECTION MEASURES WHERE REQUIRED BY AUTHORITY HAVE JURISDICTION AND INSURANCE CARRIER OR OWNER.
7. COORDINATE PIPE ROUTING NEAR ELECTRICAL EQUIPMENT WITH NFPA 70.
8. COORDINATE SPRINKLER HEAD TEMPERATURE RATINGS NEAR HEAT-PRODUCING SOURCES WITH NFPA 13.
9. DO NOT CONNECT MORE THAN ONE SPRINKLER TO AN EXISTING ONE INCH OUTLET.
11. COMPLETED PLANS AND SPECIFICATIONS FOR ALL FIRE EXTINGUISHING SYSTEMS, INCLUDING AUTOMATIC SPRINKLER AND STANDPIPE SYSTEMS AND OTHER SPECIAL FIRE EXTINGUISHING SYSTEMS AND RELATED APPURTENANCES SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVED PRIOR TO INSTALLATION.
12. REFERENCE – SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
13. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS AND FIELD VERIFY ALL EXISTING UTILITY CONNECTIONS & COORDINATE WORK WITH OTHER TRADES PRIOR TO 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.
14. CONTRACTOR SHALL COORDINATE ALL WORK/PHASING OF CONSTRUCTION WITH OWNER. CONTRACTOR SHALL ALSO COORDINATE ALL MECHANICAL WORK WITH OTHER TRADES DURING CONSTRUCTION TO AVOID ANY CONFLICTS.

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

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.
	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, 1.5" DRAIN OPENING, HEAVY DUTY SOUND GUARD UNDERCOATING, SEAL LIP OF SINK BASIN TO UNDERSIDE OF COUNTERTOP WITH SILICONE CAULK. PROVIDE UNDERMOUNT BRACKETS.
	DELTA	TRINSIC (LS)9159-ARLS-DST	FAUCET: MANUAL, MATTE BLACK FINISH, 16-5/8" TALL 9" REACH GOOSENECK, 140" LIMITED SWIVEL SPOUT, 1.1 GPM CENTER DECK MOUNT, LEVER HANDLE, LEAD-FREE, WITH A FLOW RATE OF 1.5 GPM, AND INTEGRAL NECK PULL DOWN SPRAYER, PROVIDE ASSE 1070 COMPLIANT TEMPERATURE MIXING VALVE. MEETS NSF/ANSI COMPLIANT.
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.
	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. 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.
WC-1	TOTO	CWT427227CMFG#MS	WATER CLOSET: WHITE VITREOUS CHINA WITH ANTI-MICROBIAL CERAMIC GLAZE, 1.28/.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 FIXTURE. 0.125 GPF WITH 3/4" BACK SPUD.
	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	Z8431M1-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.

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.

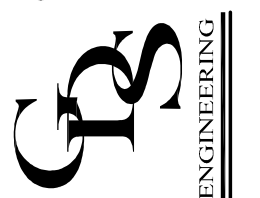
THIS DRAWING IS A SINGLE PART OF AN INTEGRATED SET OF CONSTRUCTION CONTRACT DOCUMENTS. REFER TO DRAWING AND SPECIFICATION SHEETS INCLUDING, BUT NOT LIMITED TO ALL "GENERAL CONDITIONS", "SUMMARY OF WORK", AND APPLICABLE SPECIFICATION SECTIONS WHICH APPLY TO THIS DRAWING. REFER TO ALL DOCUMENTS FOR THE COMPLETE SCOPE OF WORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INFORMATION CONTAINED IN THE SET OF DOCUMENTS ISSUED. THIS DRAWING IS SCHEMATIC AND IS NOT TO BE USED AS A SHOP DRAWING. ALTERATIONS FROM THE SHOWN REQUIRED COORDINATION WITH OTHER TRADES OR TO CONFORM TO ACTUAL SITE CONDITIONS ARE THE CONTRACTOR'S RESPONSIBILITY. VERIFY THE LOCATION OF EXISTING UTILITIES, AND ALL ARCHITECTURAL AND STRUCTURAL ELEMENTS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS ISSUED. THE SIGNING OF THESE ELEMENTS IN THESE DRAWINGS, THE ACCOMPANYING PROFESSIONAL SEAL INDICATES THAT THE PERSON WHOSE NAME APPEARS ON THE SEAL HAS PREPARED OR SUPERVISED PREPARATION OF THIS DOCUMENT ON WHICH THE SEAL APPEARS, THAT PERSON AND THE FIRM FOR WHICH THAT PERSON IS EMPLOYED BY DECLARE RESPONSIBILITY FOR ANY PORTIONS OF THE PROJECT FOR WHICH THEIR SEAL DOES NOT APPEAR.

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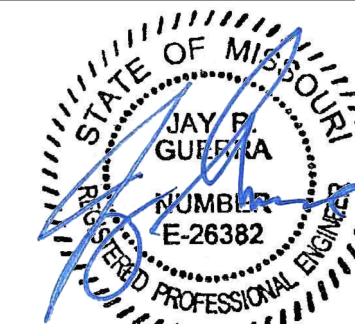


LEOK OFFICE RENOVATION

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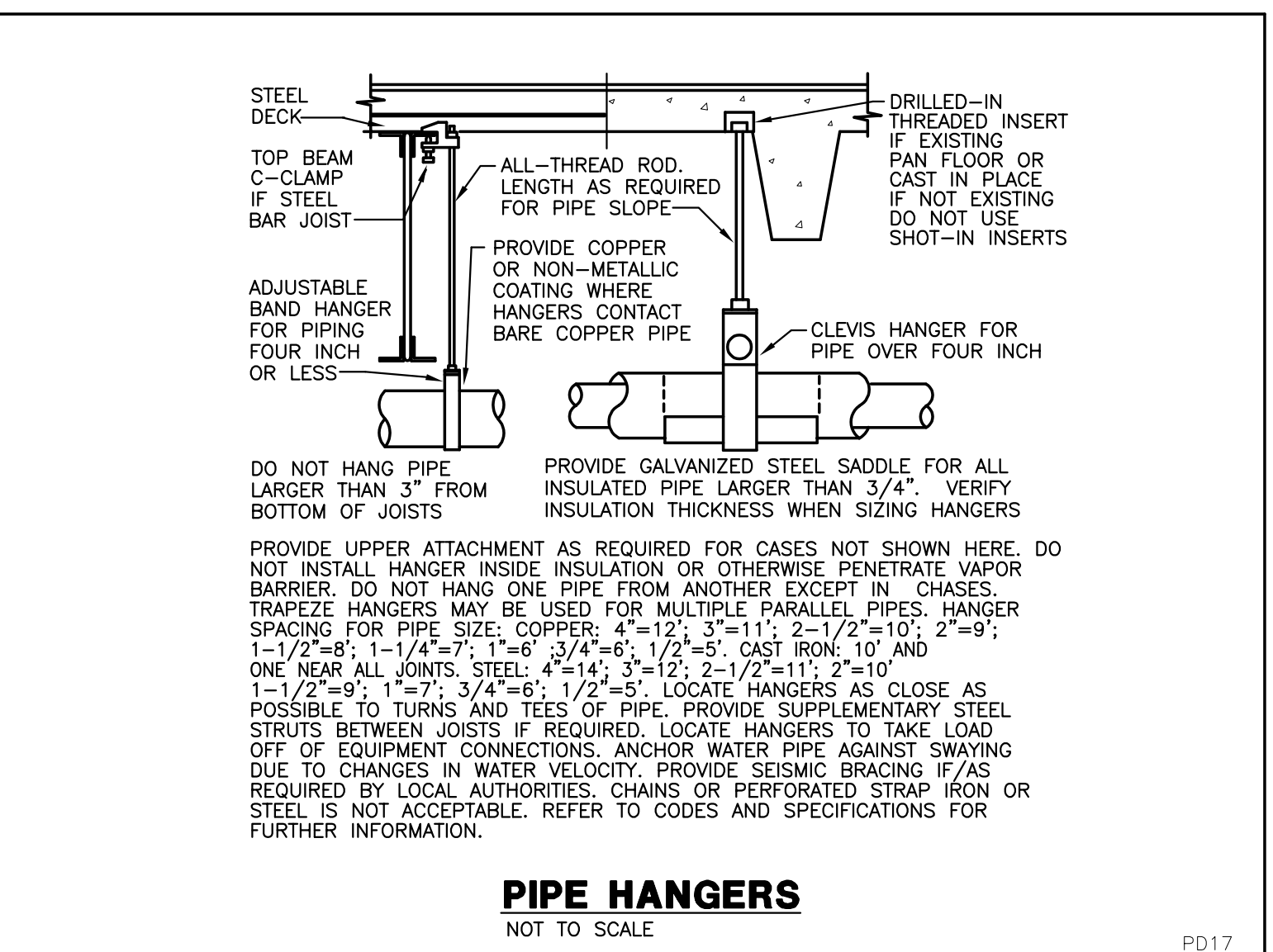
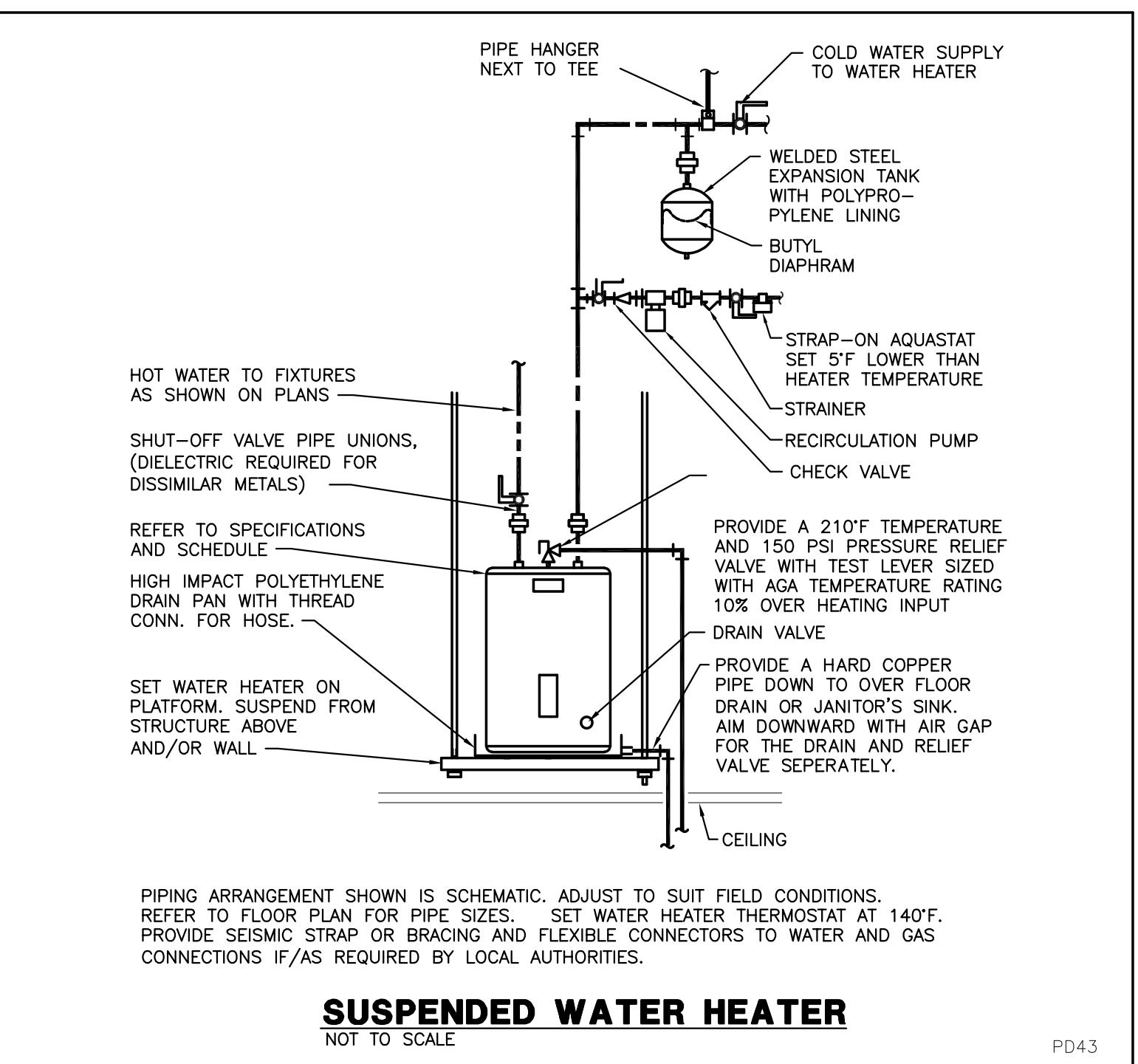
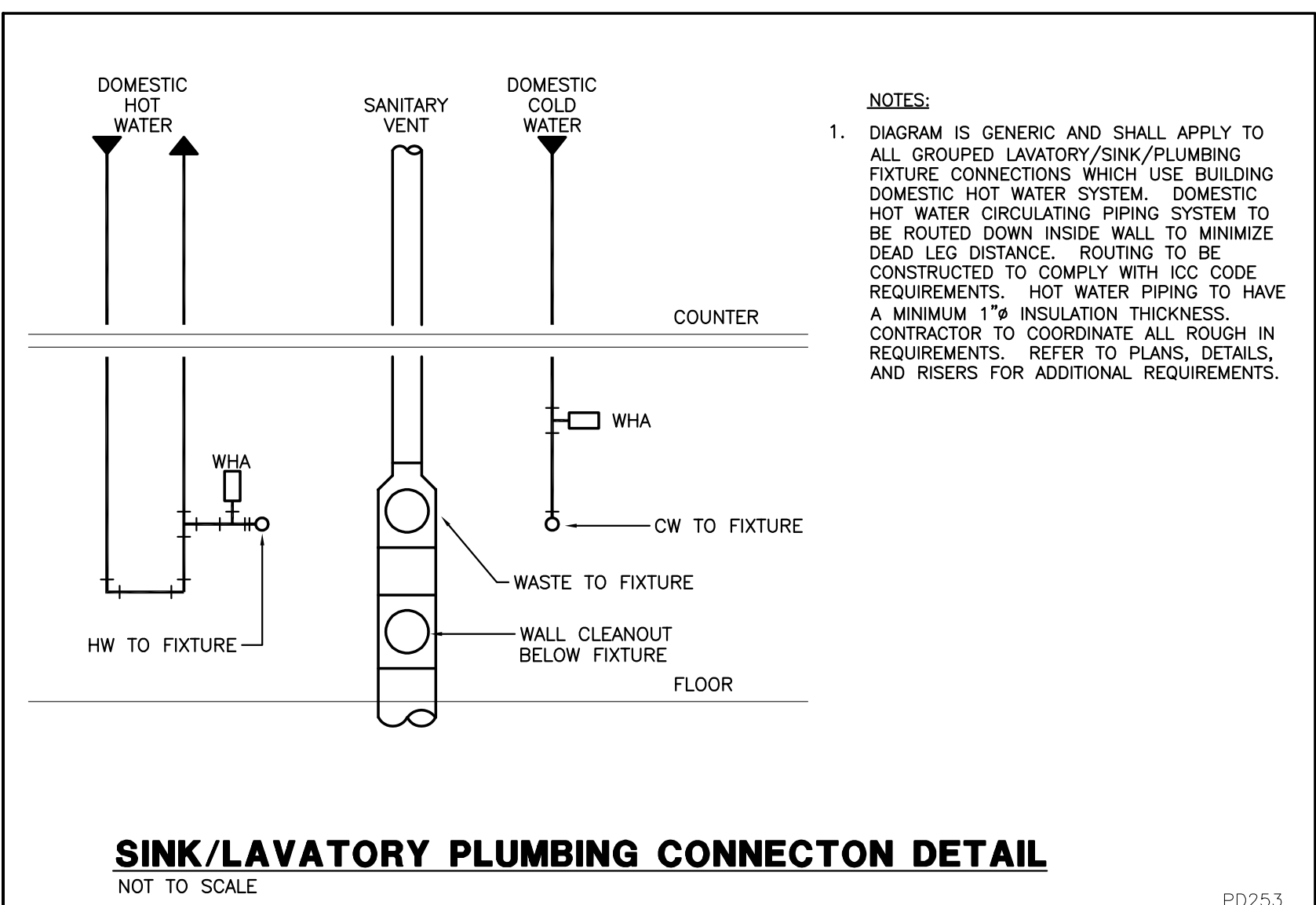
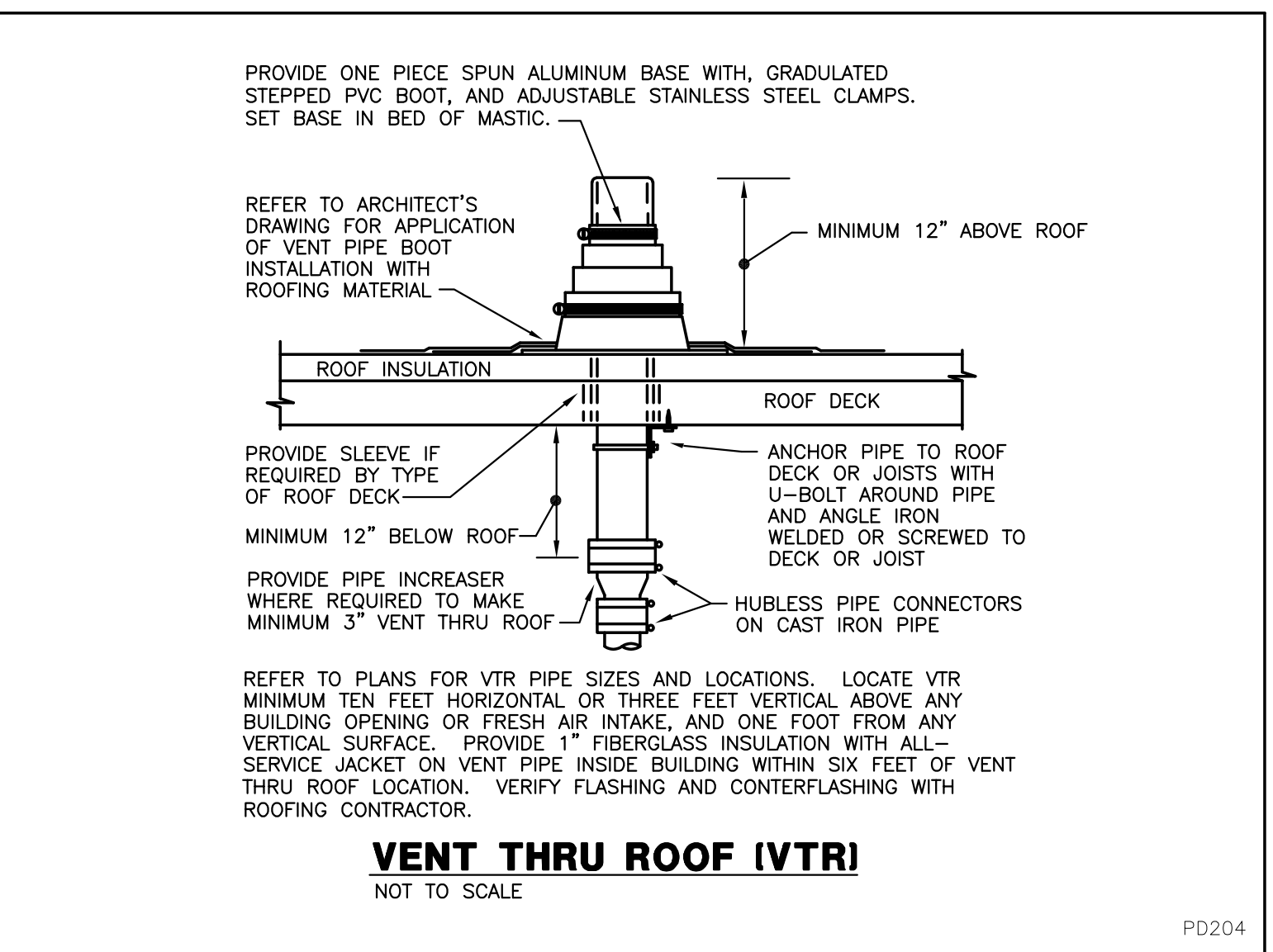
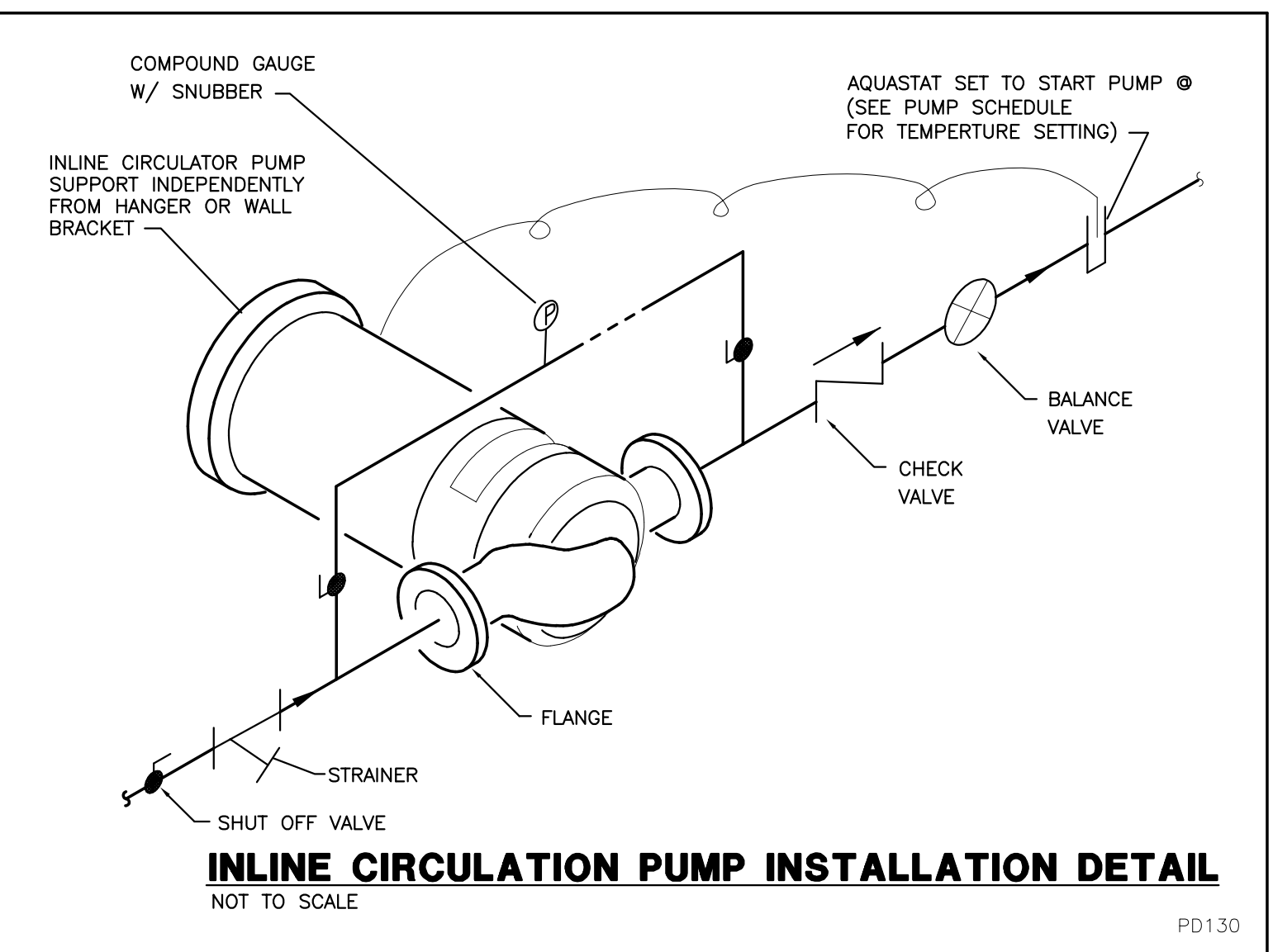
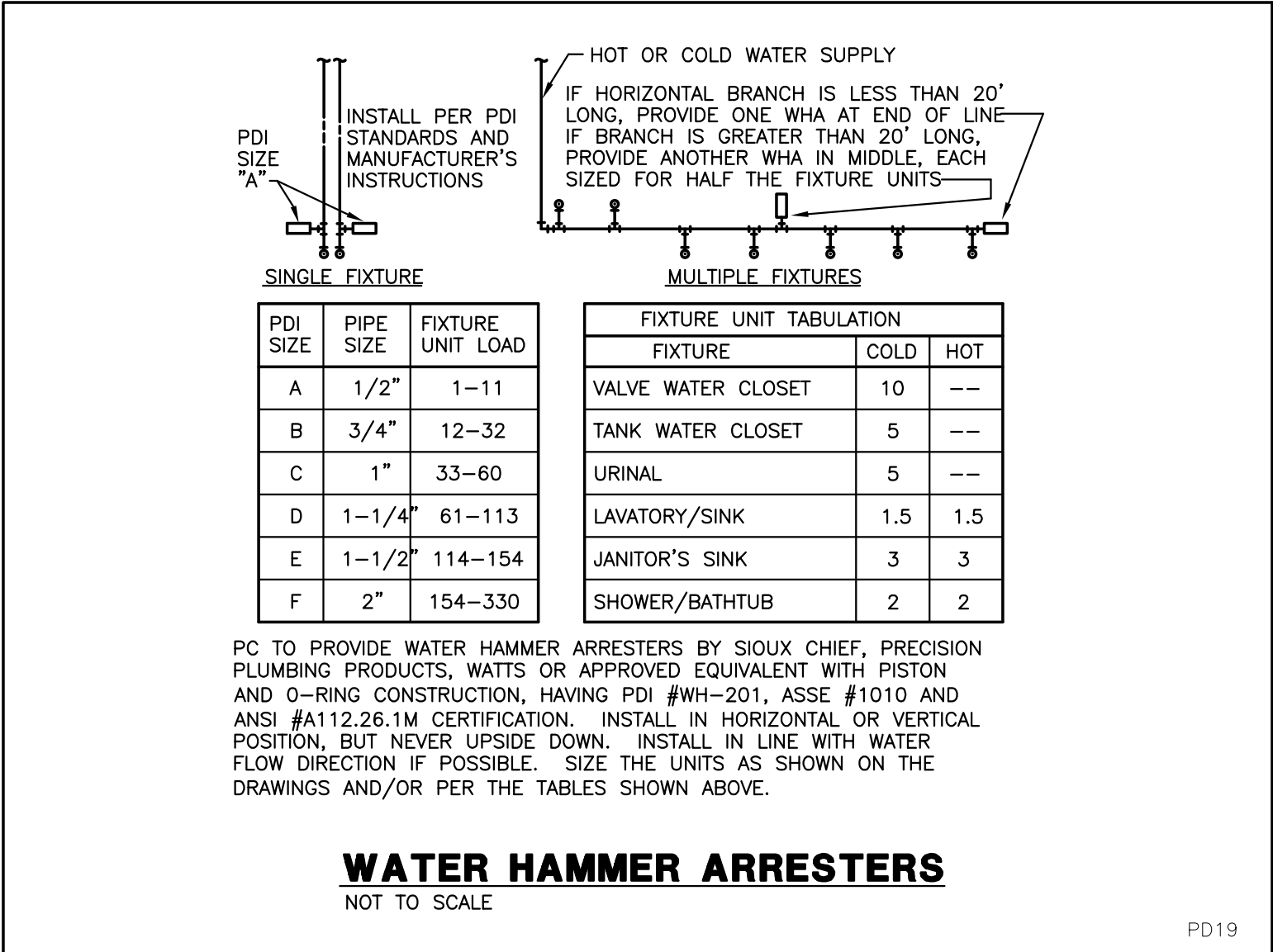
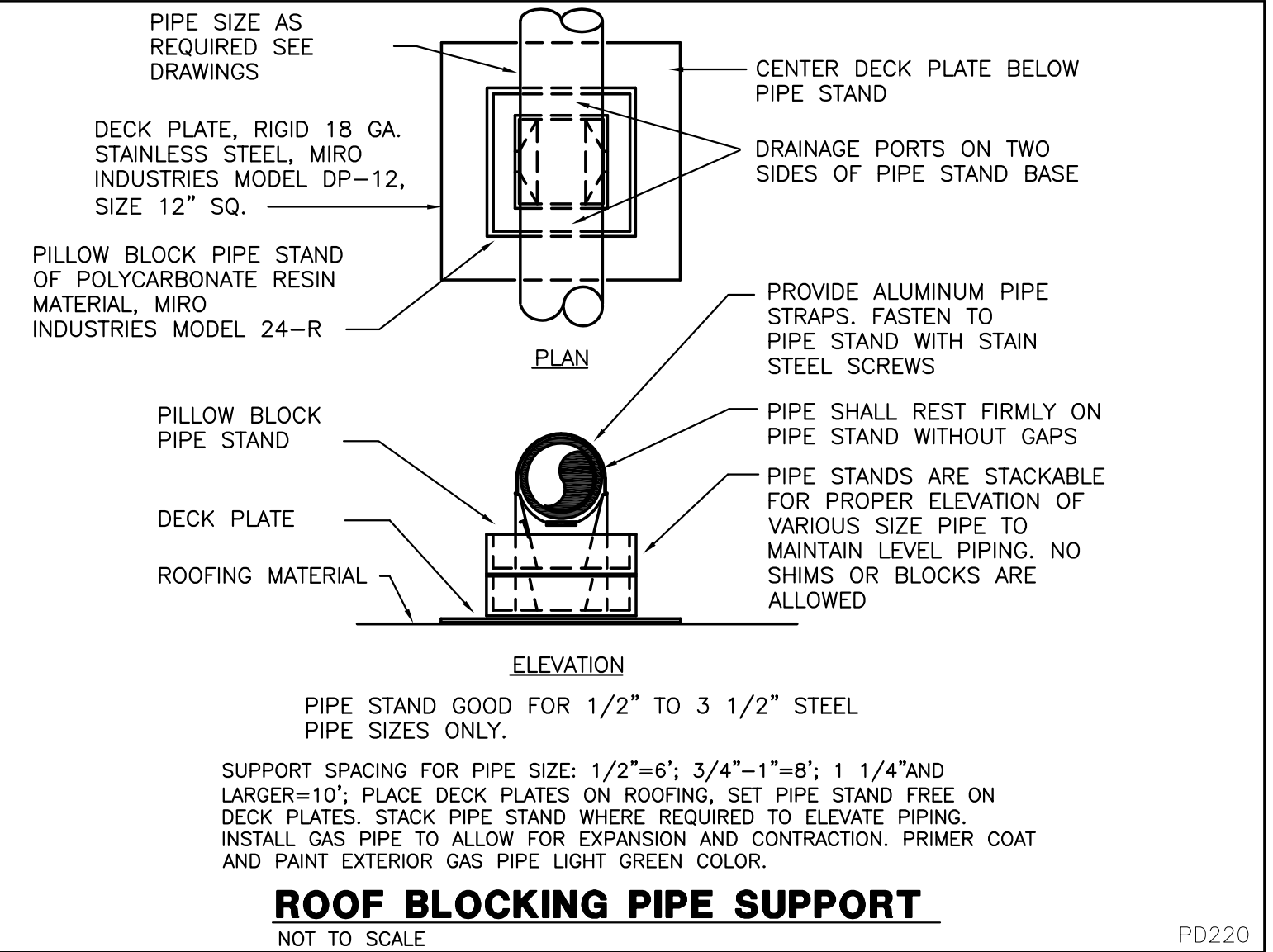
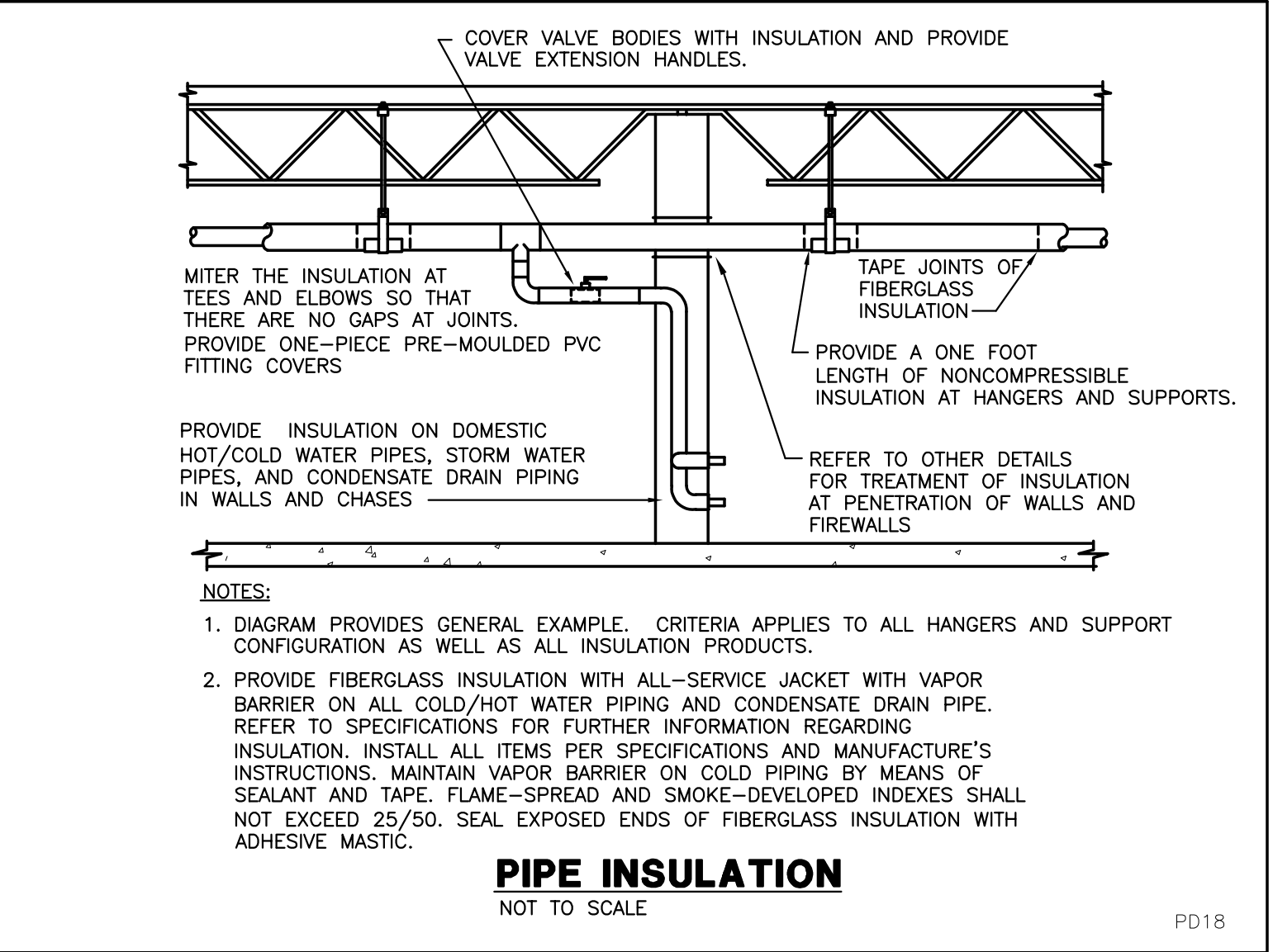
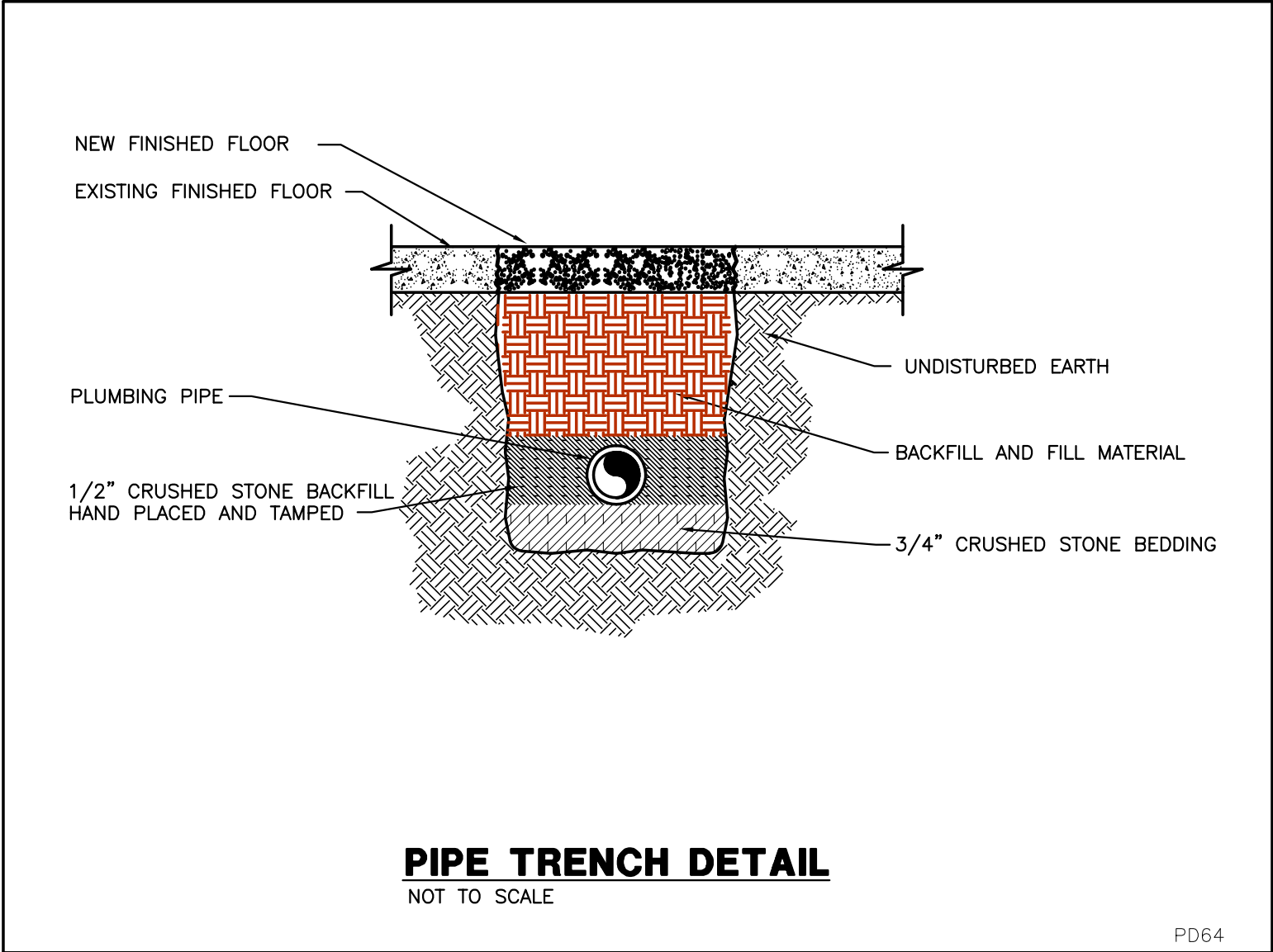
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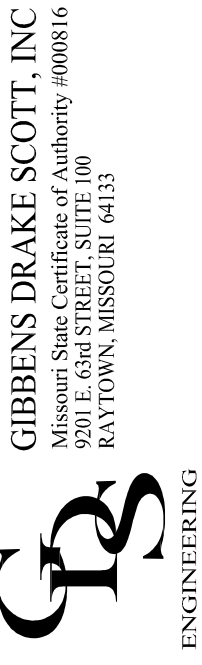
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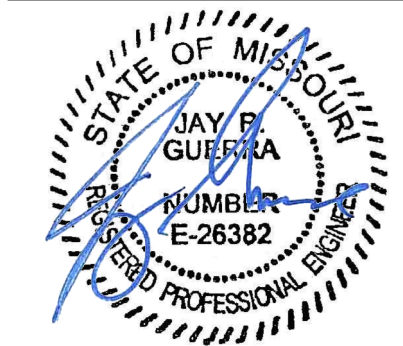


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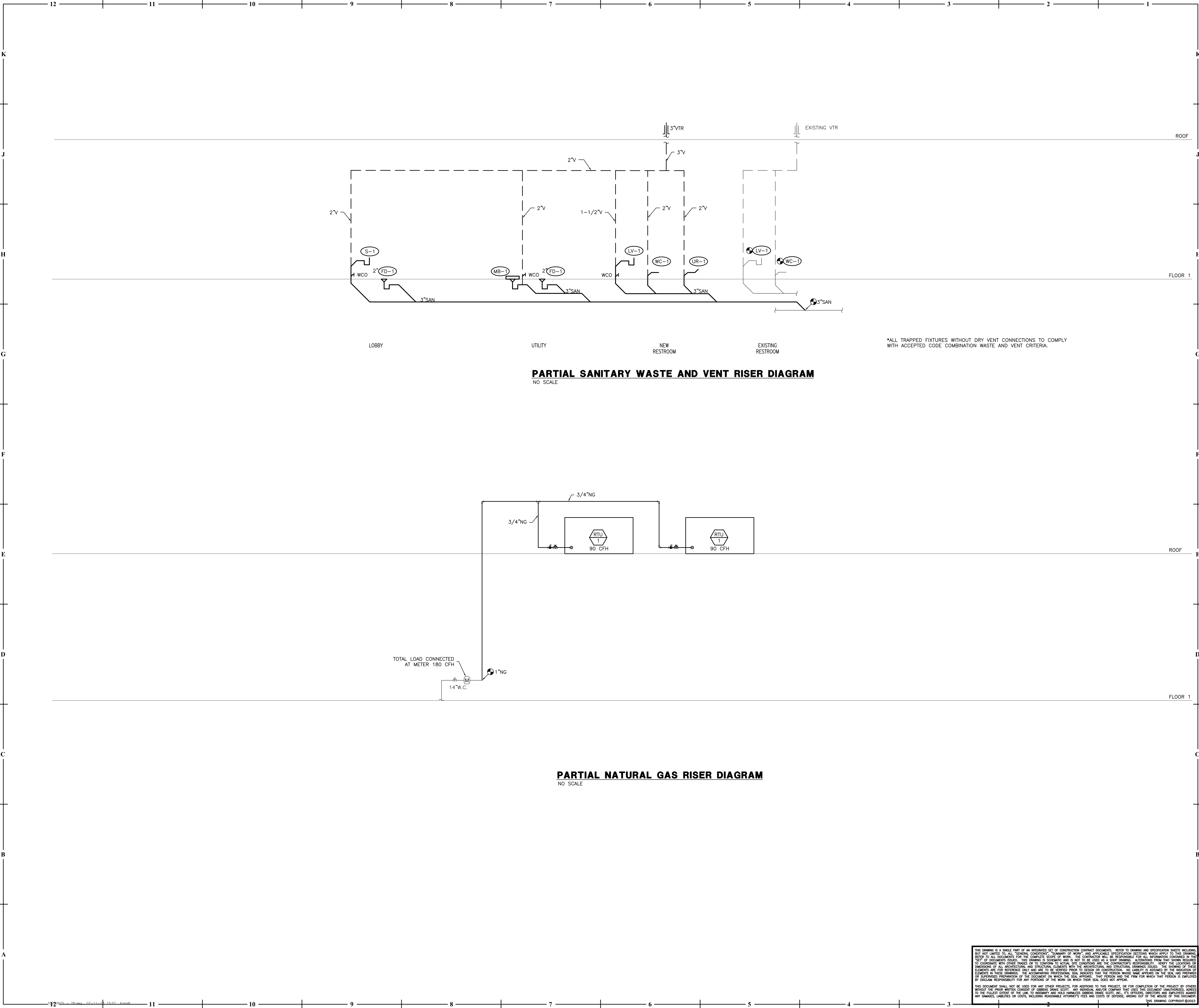
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PLUMBING DETAILS

P002
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COLLINS WEBB #: 23033



PARTIAL SANITARY WASTE AND VENT RISER DIAGRAM
NO SCALE

PARTIAL NATURAL GAS RISER DIAGRAM
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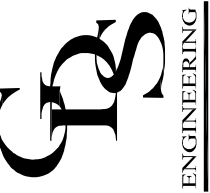
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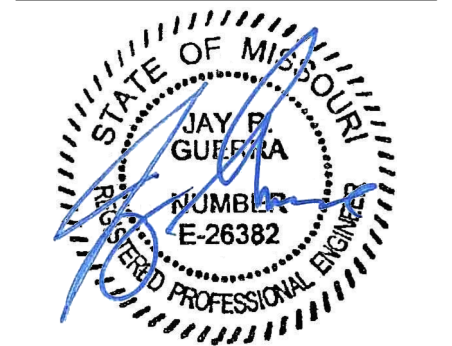


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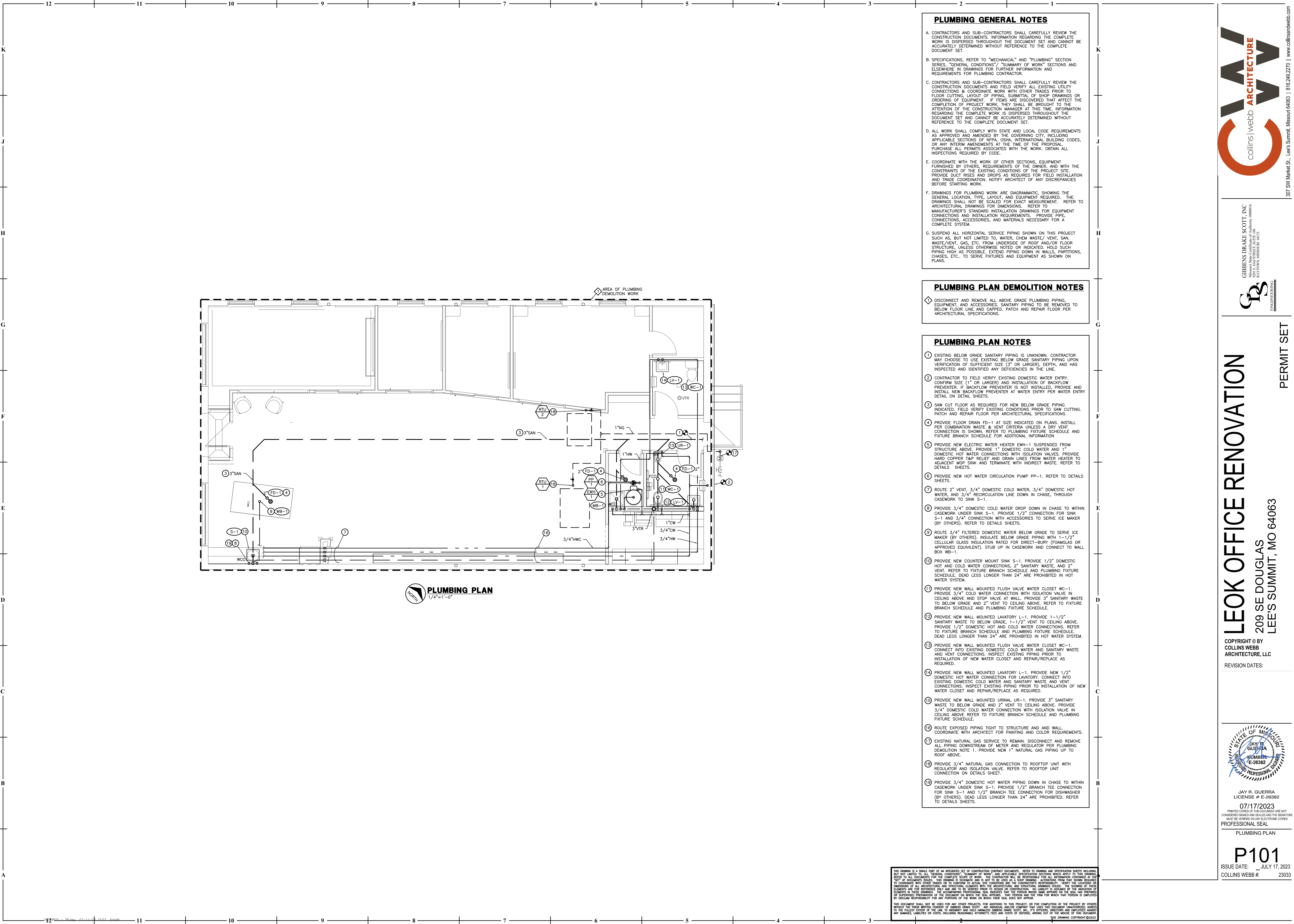
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PLUMBING GENERAL NOTES

- 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. 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.
- C. 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.
- 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.
- E. 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.
- F. 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.
- G. 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.

PLUMBING PLAN DEMOLITION NOTES

- ◇ DISCONNECT AND REMOVE ALL ABOVE GRADE PLUMBING PIPING, EQUIPMENT, AND ACCESSORIES. SANITARY PIPING TO BE REMOVED TO BELOW FLOOR LINE AND CAPPED. PATCH AND REPAIR FLOOR PER ARCHITECTURAL SPECIFICATIONS.

PLUMBING PLAN NOTES

- ① EXISTING BELOW GRADE SANITARY PIPING IS UNKNOWN. CONTRACTOR MAY CHOOSE TO USE EXISTING BELOW GRADE SANITARY PIPING UPON VERIFICATION OF SUFFICIENT SIZE (3" OR LARGER), DEPTH, AND HAS INSPECTED AND IDENTIFIED ANY DEFICIENCIES IN THE LINE.
- ② CONTRACTOR TO FIELD VERIFY EXISTING DOMESTIC WATER ENTRY. CONFIRM SIZE (1" OR LARGER) AND INSTALLATION OF BACKFLOW PREVENTER. IF BACKFLOW PREVENTER IS NOT INSTALLED, PROVIDE AND INSTALL NEW BACKFLOW PREVENTER AT WATER ENTRY PER WATER ENTRY DETAIL ON DETAIL SHEETS.
- ③ SAW CUT FLOOR AS REQUIRED FOR NEW BELOW GRADE PIPING. INDICATED. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SAW CUTTING. PATCH AND REPAIR FLOOR PER ARCHITECTURAL SPECIFICATIONS.
- ④ PROVIDE FLOOR DRAIN FD-1 AT SIZE INDICATED ON PLANS. INSTALL PER COMBINATION WASTE & VENT CRITERIA UNLESS A DRY VENT CONNECTION IS SHOWN. REFER TO PLUMBING FIXTURE SCHEDULE AND FIXTURE BRANCH SCHEDULE FOR ADDITIONAL INFORMATION.
- ⑤ PROVIDE NEW ELECTRIC WATER HEATER EWH-1 SUSPENDED FROM STRUCTURE ABOVE. PROVIDE 1" DOMESTIC COLD WATER AND 1" DOMESTIC HOT WATER CONNECTIONS WITH ISOLATION VALVES. PROVIDE HARD COPPER T&P RELIEF AND DRAIN LINES FROM WATER HEATER TO ADJACENT MOP SINK AND TERMINATE WITH INDIRECT WASTE. REFER TO DETAILS SHEETS.
- ⑥ PROVIDE NEW HOT WATER CIRCULATION PUMP PP-1. REFER TO DETAILS SHEETS.
- ⑦ ROUTE 2" VENT, 3/4" DOMESTIC COLD WATER, 3/4" DOMESTIC HOT WATER, AND 3/4" RECIRCULATION LINE DOWN IN CHASE, THROUGH CASEWORK TO SINK S-1.
- ⑧ PROVIDE 3/4" DOMESTIC COLD WATER DROP DOWN IN CHASE TO WITHIN CASEWORK UNDER SINK S-1. PROVIDE 1/2" CONNECTION FOR SINK S-1 AND 3/4" CONNECTION WITH ACCESSORIES TO SERVE ICE MAKER (BY OTHERS). REFER TO DETAILS SHEETS.
- ⑨ ROUTE 3/4" FILTERED DOMESTIC WATER BELOW GRADE TO SERVE ICE MAKER (BY OTHERS). INSULATE BELOW GRADE PIPING WITH 1-1/2" CELLULAR GLASS INSULATION RATED FOR DIRECT-BURY (FOAMULAS OR APPROVED EQUIVALENT). STUB UP IN CASEWORK AND CONNECT TO WALL BOX WB-1.
- ⑩ PROVIDE NEW COUNTER MOUNT SINK S-1. PROVIDE 1/2" DOMESTIC HOT AND COLD WATER CONNECTIONS, 2" SANITARY WASTE, AND 2" VENT. REFER TO FIXTURE BRANCH SCHEDULE AND PLUMBING FIXTURE SCHEDULE. DEAD LEGS LONGER THAN 24" ARE PROHIBITED IN HOT WATER SYSTEM.
- ⑪ PROVIDE NEW WALL MOUNTED FLUSH VALVE WATER CLOSET WC-1. PROVIDE 3/4" COLD WATER CONNECTION WITH ISOLATION VALVE IN CEILING ABOVE AND STOP VALVE AT WALL. PROVIDE 3" SANITARY WASTE TO BELOW GRADE AND 2" VENT TO CEILING ABOVE. REFER TO FIXTURE BRANCH SCHEDULE AND PLUMBING FIXTURE SCHEDULE.
- ⑫ PROVIDE NEW WALL MOUNTED LAVATORY L-1. PROVIDE 1-1/2" SANITARY WASTE TO BELOW GRADE. 1-1/2" VENT TO CEILING ABOVE. PROVIDE 1/2" DOMESTIC HOT AND COLD WATER CONNECTIONS. REFER TO FIXTURE BRANCH SCHEDULE AND PLUMBING FIXTURE SCHEDULE. DEAD LEGS LONGER THAN 24" ARE PROHIBITED IN HOT WATER SYSTEM.
- ⑬ PROVIDE NEW WALL MOUNTED FLUSH VALVE WATER CLOSET WC-1. CONNECT INTO EXISTING DOMESTIC COLD WATER AND SANITARY WASTE AND VENT CONNECTIONS. INSPECT EXISTING PIPING PRIOR TO INSTALLATION OF NEW WATER CLOSET AND REPAIR/REPLACE AS REQUIRED.
- ⑭ PROVIDE NEW WALL MOUNTED LAVATORY L-1. PROVIDE NEW 1/2" DOMESTIC HOT WATER CONNECTION FOR LAVATORY. CONNECT INTO EXISTING DOMESTIC COLD WATER AND SANITARY WASTE AND VENT CONNECTIONS. INSPECT EXISTING PIPING PRIOR TO INSTALLATION OF NEW WATER CLOSET AND REPAIR/REPLACE AS REQUIRED.
- ⑮ PROVIDE NEW WALL MOUNTED URINAL UR-1. PROVIDE 3" SANITARY WASTE TO BELOW GRADE AND 2" VENT TO CEILING ABOVE. PROVIDE 3/4" DOMESTIC COLD WATER CONNECTION WITH ISOLATION VALVE IN CEILING ABOVE. REFER TO FIXTURE BRANCH SCHEDULE AND PLUMBING FIXTURE SCHEDULE.
- ⑯ ROUTE EXPOSED PIPING TIGHT TO STRUCTURE AND AND WALL. COORDINATE WITH ARCHITECT FOR PAINTING AND COLOR REQUIREMENTS.
- ⑰ EXISTING NATURAL GAS SERVICE TO REMAIN. DISCONNECT AND REMOVE ALL PIPING DOWNSTREAM OF METER AND REGULATOR PER PLUMBING DEMOLITION NOTE 1. PROVIDE NEW 1" NATURAL GAS PIPING UP TO ROOF ABOVE.
- ⑱ PROVIDE 3/4" NATURAL GAS CONNECTION TO ROOFTOP UNIT WITH REGULATOR AND ISOLATION VALVE. REFER TO ROOFTOP UNIT CONNECTION ON DETAILS SHEET.
- ⑲ PROVIDE 3/4" DOMESTIC HOT WATER PIPING DOWN IN CHASE TO WITHIN CASEWORK UNDER SINK S-1. PROVIDE 1/2" BRANCH TEE CONNECTION FOR SINK S-1 AND 1/2" BRANCH TEE CONNECTION FOR DISHWASHER (BY OTHERS). DEAD LEGS LONGER THAN 24" ARE PROHIBITED. REFER TO DETAILS SHEETS.

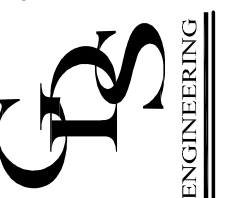
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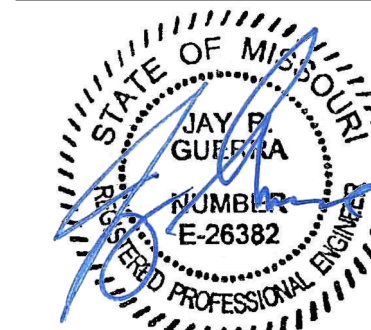


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PLUMBING PLAN

P101
ISSUE DATE: JULY 17, 2023
COLLINS WEBB #: 23033

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GENERAL MECHANICAL REQUIREMENTS

MECHANICAL GENERAL PROVISIONS

A. ALL APPLICABLE PROVISIONS OF THE CONTRACT DOCUMENTS SHALL GOVERN DIVISION 23 AND 26. THE MECHANICAL/ELECTRICAL CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL MATERIALS, EQUIPMENT, APPARATUS, MECHANICAL/ELECTRICAL SYSTEMS AND INCIDENTALS REQUIRED FOR COMPLETE AND WORKING INSTALLATION. HE SHALL SUPPLY ALL NECESSARY LABOR, EQUIPMENT, TOOLS, INSURANCE, TAXES, SERVICES; AND HE SHALL ASSUME FULL RESPONSIBILITY FOR ALL OBLIGATIONS ASSOCIATED WITH COMPLETION OF MECHANICAL/ELECTRICAL WORK AS PROVIDED BY THE CONTRACT DOCUMENTS.

STANDARDS, REGULATIONS AND CODES

A. THE WORK SHALL COMPLY WITH THE EDITION OF THE APPLICABLE STANDARDS, REGULATIONS AND CODES CURRENTLY IN FORCE OF ALL STATE AND LOCAL AUTHORITIES HAVING JURISDICTION. WHERE QUANTITIES, SIZES, OR OTHER REQUIREMENTS INDICATED ON THE DRAWINGS OR HEREIN SPECIFIED ARE IN EXCESS OF THE STANDARD OR CODE REQUIREMENTS, THE SPECIFICATIONS AND/OR DRAWINGS SHALL GOVERN. IN THE ABSENCE OF OTHER APPLICABLE LOCAL CODES, ACCEPTABLE TO THE ARCHITECT/ENGINEER, THE NATIONAL ELECTRICAL CODE AND UNIFORM PLUMBING AND MECHANICAL CODES SHALL APPLY TO THIS WORK.

B. THE CONTRACTOR SHALL COMPLY WITH RULES AND REGULATIONS OF PUBLIC UTILITIES AND MUNICIPAL DEPARTMENTS AFFECTED BY CONNECTIONS OF SERVICES. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED THEREWITH.

C. THE MECHANICAL/ELECTRICAL CONTRACTOR SHALL BE LICENSED TO PERFORM MECHANICAL/ELECTRICAL WORK IN THE MUNICIPALITY IN WHICH THE PROJECT IS LOCATED.

D. ALL PRODUCTS AND TYPES OF CONSTRUCTION SHALL MEET OR EXCEED THE LATEST EDITION OF APPLICABLE STANDARDS OF MANUFACTURER, TESTING, PERFORMANCE AND INSTALLATION.

LOCAL CONDITIONS

A. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE LOCAL CONDITIONS AND EXISTING INSTALLATIONS, AND SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK. HE SHALL LOCATE ALL EXISTING UTILITIES AND PROTECT THEM DURING THE EXECUTION OF THE WORK.

B. HE SHALL EXAMINE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS TO FAMILIARIZE HIMSELF WITH THE TYPE OF CONSTRUCTION, MATERIALS, AND EQUIPMENT TO BE USED FOR ALL WORK AND HOW IT WILL AFFECT THE INSTALLATION OF HIS CONTRACT.

C. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL BE DEEMED TO HAVE MADE SUCH EXAMINATION, TO HAVE ACCEPTED SUCH CONDITIONS, TO HAVE MADE ALLOWANCE THEREFOR, AND INCLUDED ALL COSTS IN HIS PROPOSAL. FAILURE TO DETERMINE EXISTING CONDITIONS WILL NOT BE CONSIDERED A BASIS FOR THE GRANTING OF ADDITIONAL COMPENSATION.

UTILITY SERVICES

A. CONNECT TO EXISTING UTILITY SERVICES WITHIN THE BUILDING INCLUDING FIRE AND ELECTRICAL. FIELD VERIFY EXACT LOCATION OF ALL UTILITIES.

WORKMANSHIP

A. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL PROVIDE A NEAT AND "WORKMANLIKE" APPEARANCE WHEN COMPLETED, TO THE SATISFACTION OF THE ARCHITECT/ENGINEER. THE COMPLETE INSTALLATION SHALL FUNCTION AS DESIGNED AND INTERLOCK WITH RESPECT TO EFFICIENCY, CAPACITY, AND NOISE LEVEL, ETC.

CUTTING AND PATCHING

A. ALL NECESSARY CUTTING, DRILLING AND PATCHING SHALL BE PROVIDED BY THIS CONTRACTOR. STRUCTURAL MEMBERS SHALL NOT BE DISTURBED WITHOUT PRIOR APPROVAL OF THE ARCHITECT/ENGINEER. ALL AREAS DISTURBED BY WORK PERFORMED UNDER THIS CONTRACT SHALL BE NEATLY REPAIRED AND REFINISHED TO THE CONDITION OF ADJOINING SURFACES IN A MANNER SUITABLE TO THE OWNERS AUTHORIZED REPRESENTATIVE.

B. REPAIR ANY DAMAGE RESULTING FROM CONSTRUCTION INCLUDING BUT NOT LIMITED TO FINISHES AND FIRE PROOFING MEMBRANES. ALL REPAIRS SHALL MATCH EXISTING CONDITIONS.

OPERATION DURING CONSTRUCTION

A. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND OPERATION, SERVICE AND MAINTENANCE OF ALL NEW EQUIPMENT DURING CONSTRUCTION AND PRIOR TO ACCEPTANCE BY THE OWNER OF THE COMPLETED PROJECT. WARRANTY PERIODS SHALL NOT COMMENCE UNTIL FINAL ACCEPTANCE BY THE OWNER.

B. THE CONTRACTOR SHALL COOPERATE WITH THE PRIME CONTRACTOR TO PROVIDE, ALL TEMPORARY HEAT, WATER AND SEWER REQUIRED TO PROTECT THE WORK AND AS NECESSARY TO MAINTAIN AN ADEQUATE WORK FORCE AT NO ADDITIONAL COSTS TO THE OWNER.

SAFETY REGULATIONS

A. ALL MECHANICAL/ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE GOVERNING SAFETY REGULATIONS, INCLUDING OSHA REGULATIONS. PROVIDE SAFETY LIGHTS, GUARDS AND SIGNS REQUIRED.

HOUSEKEEPING

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING STOCKS OF MATERIAL AND EQUIPMENT STORED ON THE PREMISES IN A NEAT AND ORDERLY MANNER.

B. THE CONTRACTOR SHALL CLEAN AND MAINTAIN HIS PORTION OF THE WORK AS SPECIFIED IN THE GENERAL CONDITIONS.

C. THE CONTRACTOR SHALL REMOVE FROM THE PREMISES ALL WASTE MATERIAL PRESENT AS A RESULT OF HIS WORK.

COORDINATION

A. MOUNT MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT TO PROVIDE RECOMMENDED WORKING CLEARANCES AND ACCESS TO ALL COMPONENTS. PROVIDE ACCESS TO FILTERS, COMPRESSORS, CONTROLS AND MOTORS WITHOUT REMOVING EQUIPMENT. COORDINATE WITH ALL TRADES SO THAT NO PIPING, CONDUIT, DUCT OR STRUCTURAL MEMBER OBSTRUCTS REQUIRED ACCESS OR IS BENEATH EQUIPMENT SHOULD REMOVAL EVER BE REQUIRED. NOTIFY ARCHITECT/ENGINEER OF ANY ACCESS OR MOUNTING CONFLICTS PRIOR TO INSTALLATION. FAILURE TO COORDINATE WILL NOT BE CONSIDERED A BASIS FOR GRANTING ADDITIONAL COMPENSATION.

B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION OF COORDINATION DRAWING(S) OF ANY AND ALL AREAS WHERE SPACE IS LIMITED OR COORDINATION OF TRADES IS PARTICULARLY CRITICAL AND ELSEWHERE AS REQUIRED BY THE DOCUMENTS. INCLUDE THE WORK OF ALL TRADES IN THIS DRAWING.

CONNECTION AND ALTERATION TO EXISTING SYSTEMS

A. CONNECTION TO THE EXISTING BUILDING PLUMBING, HEATING, COOLING, VENTILATION, PIPING, ELECTRICAL, ETC., MUST BE ACCOMPLISHED UNDER THIS CONTRACT. SYSTEM "DOWNTIME" DUE TO CONNECTION SHALL BE KEPT TO AN ABSOLUTE MINIMUM. THE OWNER'S REPRESENTATIVE SHALL JUDGE IF AT WHAT TIME, AND FOR WHAT LENGTH OF TIME A SHUT-DOWN CAN BE TOLERATED.

B. PROVIDE ALL TEMPORARY PIPING AND WIRING SYSTEMS REQUIRED DURING CONSTRUCTION IN ORDER TO KEEP ALL EXISTING SYSTEMS FUNCTIONING.

C. DEMOLITION, CUTTING AND PATCHING TO RESTORE SURFACES TO ORIGINAL CONDITION AS NECESSITATED FOR ACCESS TO WORK PERFORMED BY THE CONTRACTOR OR HIS SUBCONTRACTORS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

GRAPHIC REPRESENTATION AND JOB CONDITIONS

A. THE DRAWINGS SHALL SERVE AS WORKING DRAWINGS FOR THE GENERAL LAYOUT OF THE VARIOUS ITEMS OF EQUIPMENT; ARE DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED; AND DO NOT NECESSARILY INDICATE EVERY REQUIRED ITEM.

B. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER THE MECHANICAL AND ELECTRICAL DRAWINGS IN THE REPRESENTATION OF THE GENERAL CONSTRUCTION WORK.

C. ARRANGE WORK IN A NEAT, WELL-ORGANIZED MANNER. COORDINATE WORK WITH OTHER TRADES INVOLVED.

GUARANTEES

A. THE CONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED AND MATERIALS AND EQUIPMENT FURNISHED UNDER THIS CONTRACT, AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE OWNER'S FINAL ACCEPTANCE OF THE WORK, OR AS NOTED IN EACH SECTION.

SUBSTITUTIONS

A. THE MATERIALS, PRODUCTS AND EQUIPMENT DESCRIBED IN THE BIDDING DOCUMENTS ESTABLISH A STANDARD OF QUALITY TO BE MET BY ANY PROPOSED SUBSTITUTION.

B. WHEREVER SUBSTITUTIONS ALTER THE DESIGN OR SPACE REQUIREMENTS, THE CONTRACTOR SHALL INCLUDE ALL ITEMS OF COST OF THE REVISED DESIGN AND CONSTRUCTION.

SHOP DRAWINGS AND PRODUCT DATA

A. THE CHECKING OF SHOP DRAWINGS IS A GRATUITOUS ASSISTANCE AND IN NO WAY RELIEVES THE CONTRACTOR FROM RESPONSIBILITY FOR DEVIATIONS FROM THE CONTRACT DOCUMENTS.

B. SHOP DRAWINGS AND CATALOG DATA ON ALL MAJOR ITEMS OF EQUIPMENT AND APPARATUS, AND SUCH OTHER ILLUSTRATIVE MATERIALS AS MAY BE CONSIDERED NECESSARY BY THE ARCHITECT/ENGINEER SHALL BE SUBMITTED BY THE CONTRACTOR IN ADEQUATE TIME TO PREVENT DELAY AND CHANGES DURING CONSTRUCTION. IN ADDITION, DUCTWORK AND FIRE SPRINKLER LAYOUT DRAWINGS SHALL BE SUBMITTED AS WELL AS PIPING DRAWINGS OF CRITICAL AREAS.

OPERATING AND MAINTENANCE BROCHURE

A. AT THE COMPLETION OF THE PROJECT, EACH CONTRACTOR SHALL PROVIDE THREE (3) HARD BOUND VOLUMES OF MANUALS CONTAINING OPERATING SERVICE AND LUBRICATION INSTRUCTIONS, AND PARTS LISTS FOR ALL MAJOR EQUIPMENT AND MANUFACTURERS GUARANTEES OR WARRANTIES.

RECORD DRAWINGS

A. REFER TO DIVISION 1 REQUIREMENTS FOR RECORD DRAWING SUBMISSION PROCEDURES.

FOUNDATIONS AND SUPPORTS

A. THE CONTRACTOR SHALL PROVIDE CONCRETE BASES, HANGERS, AND FOUNDATIONS FOR ALL MACHINERY AND EQUIPMENT SPECIFIED OR SHOWN IN THIS CONTRACT, INCLUDING FANS, AIR CONDITIONING UNITS, PUMPS, MOTORS, ELECTRICAL GEAR, ETC., UNLESS SPECIFICALLY NOTED TO THE CONTRARY. THIS CONTRACTOR SHALL TAKE ALL PRECAUTIONS AGAINST EXCESSIVE NOISE OR VIBRATION BY ISOLATING THE VARIOUS ITEMS OF EQUIPMENT FROM THE BUILDING'S STRUCTURE WITH EITHER SPRING, RUBBER IN SHEAR OR NEOPRENE PAD ISOLATORS AS INDICATED OR AS RECOMMENDED BY THE VIBRATION ISOLATION MANUFACTURER.

B. ALL HANGERS, BRACKETS, CLAMPS, ETC., SHALL BE OF STANDARD WEIGHT STEEL. PERFORATED STRAP HANGERS SHALL NOT BE USED IN ANY WORK. WHEN TWO (2) OR MORE PIPES OR CONDUITS ARE RUN PARALLEL OR WHERE DUCTS INTERFERE WITH THE PROPER LOCATION OF HANGERS, THEY MAY BE SUPPORTED ON TRAPEZOID HANGERS. OTHERS HANGERS SHALL BE HINGED RING MALLEABLE IRON, BY GRINNELL OR FEE AND MASON OR APPROVED EQUAL WITH ROSS AND HANGER ADJUSTERS OF ADEQUATE SIZE TO CARRY THE LOADS IMPOSED. ALL PIPELINES, DUCTWORK AND CONDUIT SHALL BE INDEPENDENTLY SUPPORTED FROM EACH OTHER AND FROM EQUIPMENT.

C. PROVIDE FLEXIBLE CONNECTORS AT ALL ROTATING EQUIPMENT OR FOR EQUIPMENT MOUNTED ON VIBRATION ISOLATORS.

MOTORS AND CONTROLS

A. ALL MOTORS FURNISHED UNDER THIS SPECIFICATION SHALL BE RECOGNIZED MANUFACTURER, OF ADEQUATE CAPACITY FOR THE LOADS INVOLVED. ALL MOTORS SHALL CONFORM TO THE STANDARDS OF MANUFACTURER AND PERFORMANCE OF THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION AS SHOWN IN THEIR LATEST PUBLICATIONS.

B. ALL MOTORS 3/4 HP AND ABOVE SHALL BE HIGH EFFICIENCY ACCORDING TO IEEE STANDARD 12. FUSED DISCONNECTS AND MOTOR STARTERS FOR EQUIPMENT SHALL BE FURNISHED BY THE TRADE SUPPLYING THE EQUIPMENT. INSTALLATION SHALL BE BY THE ELECTRICAL CONTRACTOR. PROVIDE MANUAL OR MAGNETIC STARTERS WITH NECESSARY AUXILIARY CONTACTS AND VOM SWITCH FOR THE SPECIFIED SEQUENCE OF OPERATION.

C. ALL TEMPERATURE CONTROLS UNLESS NOTED OTHERWISE SHALL BE BY THE ELECTRICAL CONTRACTOR.

PLUMBING SCOPE OF WORK

A. THE WORK INCLUDED UNDER THIS CONTRACT CONSISTS OF PROVIDING ALL LABOR, MATERIALS, TOOLS, TRANSPORTATION, SERVICES, ETC., NECESSARY TO COMPLETE THE INSTALLATION OF THE PLUMBING, SEWER SYSTEMS, AND OTHER ITEMS DESCRIBED IN THESE SPECIFICATIONS, AS ILLUSTRATED IN THE ACCOMPANYING DRAWINGS, OR AS DIRECTED BY THE ARCHITECT/ENGINEER. PLUMBING WORK IS COMPRISED OF BUT NOT LIMITED TO THE FOLLOWING PRINCIPAL ITEMS:

1. SOIL, WASTE, AND VENT PIPING SYSTEMS.
2. COLD WATER DISTRIBUTION SYSTEM.
3. HOT WATER SUPPLY AND DISTRIBUTION SYSTEM.
4. NATURAL GAS PIPING SYSTEM.
5. PLUMBING FIXTURES.
6. MISCELLANEOUS EQUIPMENT FOR SYSTEMS LISTED ABOVE.

PIPING, FITTINGS AND VALVES

A. DOMESTIC WATER, INTERIOR, ABOVE GROUND –
1. PIPE, COPPER TUBE – TYPE "L" HARD TEMPER, WROUGHT COPPER FITTINGS, LEAD FREE 95/5 OR EAGLEHARD SILVABRITE SOLDER JOINTS.

B. DOMESTIC WATER, INTERIOR, BELOW GROUND –

1. PIPE, COPPER TUBE – TYPE "K" HARD TEMPER, WROUGHT COPPER FITTINGS, LEAD FREE 95/5 OR EAGLEHARD SILVABRITE
2. VALVES – BALL, NIBCO T-585-70; BUTTERFLY, NIBCO LD-3010; BALANCE, ARMSTRONG CBV 1 OR II.

3. SECURELY ANCHOR, WITH ADEQUATE PROVISIONS FOR EXPANSION AND CONTRACTION. GRADE LINES, FREE OF TRAPS, TO LOW POINT AT CUT-OFF AND DRAIN VALVE. VALVES WHERE INDICATED ON THE DRAWINGS. PROVIDE MANUFACTURED WATER HAMMER ARRESTOR FOR EACH FIXTURE OR FOR EACH BATTERY OF FIXTURES SIZED PER MANUFACTURERS RECOMMENDATION. AN ARRESTOR SHALL BE REQUIRED AT EACH SOLENOID ACTUATED QUICK CLOSING VALVE.

4. PROVIDE SHUT OFF VALVES ON ALL HOT AND COLD WATER SUPPLY PIPING TO PLUMBING FIXTURES AND EQUIPMENT.

B. FIRE PROTECTION, INTERIOR –

1. PIPE – SCHEDULE 40, BLACK OR GALVANIZED STEEL, MALLEABLE IRON THREADED, FLANGED OR WELDED FITTINGS OR ROLL OR CUT GROOVE, MECHANICAL JOINT.
2. VALVES – GATE, UL AND FM APPROVED OS & Y, NIBCO T-104-0 OR F-607-0; CHECK, UL AND FM APPROVED, NIBCO F-908-B.

C. ABOVE GROUND, OUTDOOR NATURAL GAS –

1. PIPE – STEEL PIPE WITH MALLEABLE-IRON FITTINGS AND THREADED JOINTS. PIPE – STEEL PIPE WITH WROUGHT-STEEL FITTINGS AND WELDED JOINTS. PIPE – STEEL PIPE WITH VIEGA MEGAPRESSO COLD PRESS MECHANICAL JOINT FITTINGS AND JOINTS.

D. INDOOR NATURAL GAS –

1. PIPE – STEEL PIPE WITH MALLEABLE-IRON FITTINGS AND THREADED JOINTS. PIPE – STEEL PIPE WITH WROUGHT-STEEL FITTINGS AND WELDED JOINTS. PIPE – STEEL PIPE WITH VIEGA MEGAPRESSO COLD PRESS MECHANICAL JOINT FITTINGS AND JOINTS.

E. SANITARY SEWER, INTERIOR –
1. PIPE – CAST IRON HUB AND SPIGOT, WITH COMPRESSION GASKETS, NO HUB MECHANICAL JOINT VENTS MAY BE GALVANIZED MALLEABLE IRON.

2. ALL DRAINAGE SHALL BE GRADED PER CODE BUT NOT LESS THAN 1/8"/FT UNLESS NOTED OTHERWISE.

CLEANOUTS

A. PROVIDE AT THE BASE OF EACH STACK OR RISER, EACH CHANGE IN DIRECTION IN HORIZONTAL PIPING, WHERE INDICATED ON THE DRAWINGS, OR AS REQUIRED BY CODE PLUS; EXTRA HEAVY CAST BRASS, SCREWED, SCORATED TOPS IN UNFINISHED AREAS, CARPET MARKERS IN CARPET FLOORS, TILE TOP IN TILE FLOORS, STAINLESS STEEL COVER IN FINISHED WALLS. CLEANOUTS SAME SIZE AS PIPE UP TO 4" DIAMETER, 4" CLEANOUTS FOR LARGER PIPE UNLESS OTHERWISE NOTED. CLEANOUTS OUTSIDE THE BUILDING, EXTEND TO GRADE AND TERMINATE WITH X-H SOIL PIPE CLEANOUT SET IN 12" SQUARE 6" THICK CONCRETE PAD.

B. CLEANOUT STYLES (FCO OR WCO).

1. UNFINISHED FLOORS – CAST IRON ROUND, NICKEL BRONZE TOP, BRONZE PLUG, SMITH 4020.

2. CARPETED FLOORS – CAST IRON ROUND, NICKEL BRONZE TOP, BRONZE PLUG. PROVIDE TOP WITH CARPET MARKER SCREW. SMITH 4020-Y.

3. VINYL TILE FLOOR – CAST IRON ROUND, NICKEL BRONZE TOP, BRONZE PLUG. PROVIDE TOP RECESSED FOR TILE, SMITH 4120.

4. WALL CLEANOUT – TAPER THREAD BRONZE PLUG STAINLESS STEEL WALL COVER, SMITH 4472. OMIT WALL COVER FOR EXPOSED PIPE.

UNIONS

A. PROVIDE BETWEEN EACH ITEM OF EQUIPMENT AND ITS SERVICE VALVE. COPPER TO FERROUS PIPE CONNECTIONS SHALL HAVE ISOLATION COUPLING OR UNION.

CROSS-CONNECTIONS AND INTERCONNECTIONS

A. NO PLUMBING DEVICE OR PIPING SHALL BE INSTALLED WHICH WILL PROVIDE CROSS-CONNECTION OR INTERCONNECTION BETWEEN A DISTRIBUTING SUPPLY OR WASTE, SO AS TO MAKE POSSIBLE THE BACKFLOW OR BACK-SIPHONAGE OF POLLUTED WATER INTO THE POTABLE WATER SUPPLY SYSTEM. WHERE THE POSSIBILITY OF BACK-SIPHONAGE EXISTS, WATER SUPPLY TO THE FIXTURE SHALL BE INTRODUCED THROUGH A SUITABLE VACUUM BREAKER IN NON-PRESSURIZED SYSTEMS AND A REDUCED PRESSURE TYPE BACK-FLOW PREVENTER IN PRESSURIZED SYSTEMS.

B. PROVIDE BACKFLOW DEVICE ON ALL WATER AND FIRE SERVICES WHERE REQUIRED BY LOCAL CODE OR UTILITY.

INSULATION

A. INSULATE ALL HOT AND COLD WATER PIPING ABOVE THE GROUND.

B. ABOVE GROUND, INTERIOR COLD AND HOT WATER PIPING INSULATION:

1. 1" FIBERGLASS SECTIONAL PIPE COVERING (WITH UNIVERSAL VAPOR BARRIER JACKET FOR COLD WATER). OWENS CORNING OR ACCEPTABLE EQUAL. AT CONTRACTOR OPTION USE 1/2" ARMSTRONG AP OR ACCEPTABLE EQUAL ON COLD PIPING ONLY.

C. BELOW GROUND, INTERIOR COLD AND HOT WATER PIPING INSULATION:

1. CELLULAR GLASS, 1-1/2" THICK, COMPLIANT WITH DIRECT-BURY APPLICATIONS, WITH PLASTIC MIL SHEATHING PROTECTION, SECUREMENT TAPE AND STAPLES.

D. SEAL ALL JOINTS ON COLD WATER INSULATION TO MAINTAIN VAPOR BARRIER.

E. INSULATE AND PROVIDE PVC JACKET ON WASTE AND HOT WATER PIPES BELOW HANDICAP FIXTURES.

F. PROVIDE STENCIL OR LABEL ON EXTERIOR OF INSULATION TO INDICATE PIPE SERVICE, FLOW DIRECTION, NOMINAL PIPE SIZE, STENCIL OR LABEL SHALL BE EASILY VISIBLE FROM GROUND LEVEL.

TEST AND ADJUSTMENTS

A. SOIL, WASTE AND VENT PIPING:

1. FILL WITH WATER TO THE TOP OF THE HIGHEST VENT LINE EXTENDING THROUGH ROOF, AND ALLOW TO REMAIN FOR A PERIOD OF TWO HOURS.

B. WATER LINES:

1. WATER LINES SHALL BE TESTED UNDER 150 LBS. HYDROSTATIC PRESSURE FOR WATER, 150 LBS. AIR PRESSURE FOR GAS FOR A PERIOD OF ONE HOUR.

C. AFTER SUCCESSFUL TESTING, STERILIZE WATER SYSTEM WITH AN APPROVED SOLUTION IN ACCORDANCE WITH LOCAL HEALTH OFFICIALS. IF METHODS ARE NOT PRESCRIBED, USE PROCEDURES DESCRIBED IN EITHER AWWA C651 OR AWWA C652.

D. NATURAL GAS LINES:

1. TEST, INSPECT, AND PURGE NATURAL GAS ACCORDING TO NFPA 54, THE 2018 INTERNATIONAL FUEL GAS CODE, AND AUTHORITIES HAVING JURISDICTION.

2. ENGAGE A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO INSPECT AND APPROVE ALL COLD PRESS MECHANICAL JOINT FITTINGS IN NATURAL GAS SYSTEM.

END OF SECTION

THIS DRAWING IS A SINGLE PART OF AN INTEGRATED SET OF CONSTRUCTION CONTRACT DOCUMENTS. REFER TO DRAWING AND SPECIFICATION SHEETS INCLUDING, BUT NOT LIMITED TO, ALL "GENERAL CONDITIONS," SUMMARY OF WORK, AND APPLICABLE SPECIFICATION SECTIONS WHICH APPLY TO THIS DRAWING. REFER TO ALL DOCUMENTS FOR THE COMPLETE SCOPE OF WORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INFORMATION CONTAINED IN THE SET OF DOCUMENTS ISSUED. THIS DRAWING IS SCHEMATIC AND IS NOT TO BE USED AS A SHOP DRAWING. ADJUSTMENTS FROM THIS DRAWING REQUIRED TO COORDINATE WITH OTHER TRADES OR TO CONFORM TO ACTUAL SITE CONDITIONS ARE THE CONTRACTOR'S RESPONSIBILITY. VERIFY THE LOCATIONS OR DIMENSIONS OF ALL ARCHITECTURAL AND STRUCTURAL ELEMENTS WITH THE ARCHITECTURE AND STRUCTURAL DRAWINGS ISSUED. THE SIGNING OF THESE ELEMENTS IN THESE DRAWINGS, THE ACCOMPANYING PROFESSIONAL SEAL INDICATES THAT THE PERSON WHOSE NAME APPEARS ON THE SEAL HAS PREPARED OR SUPERVISED PREPARATION OF THE DOCUMENT ON WHICH THE SEAL APPEARS. THAT PERSON AND THE FIRM FOR WHICH THAT PERSON IS EMPLOYED BY DECLAR RESPONSIBILITY FOR ANY PORTIONS OF THE WORK ON WHICH THEIR SEAL DOES NOT APPEAR.

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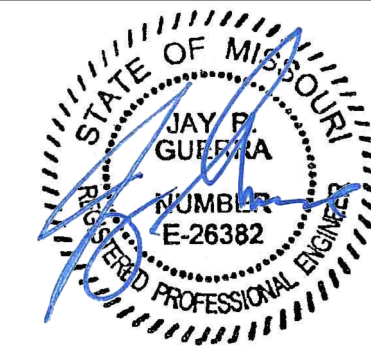
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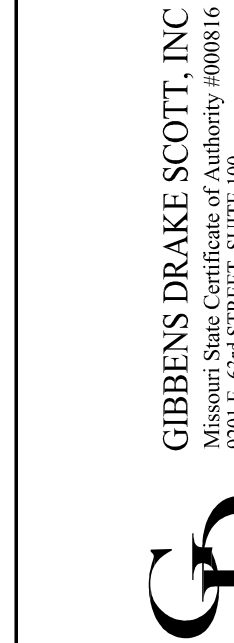
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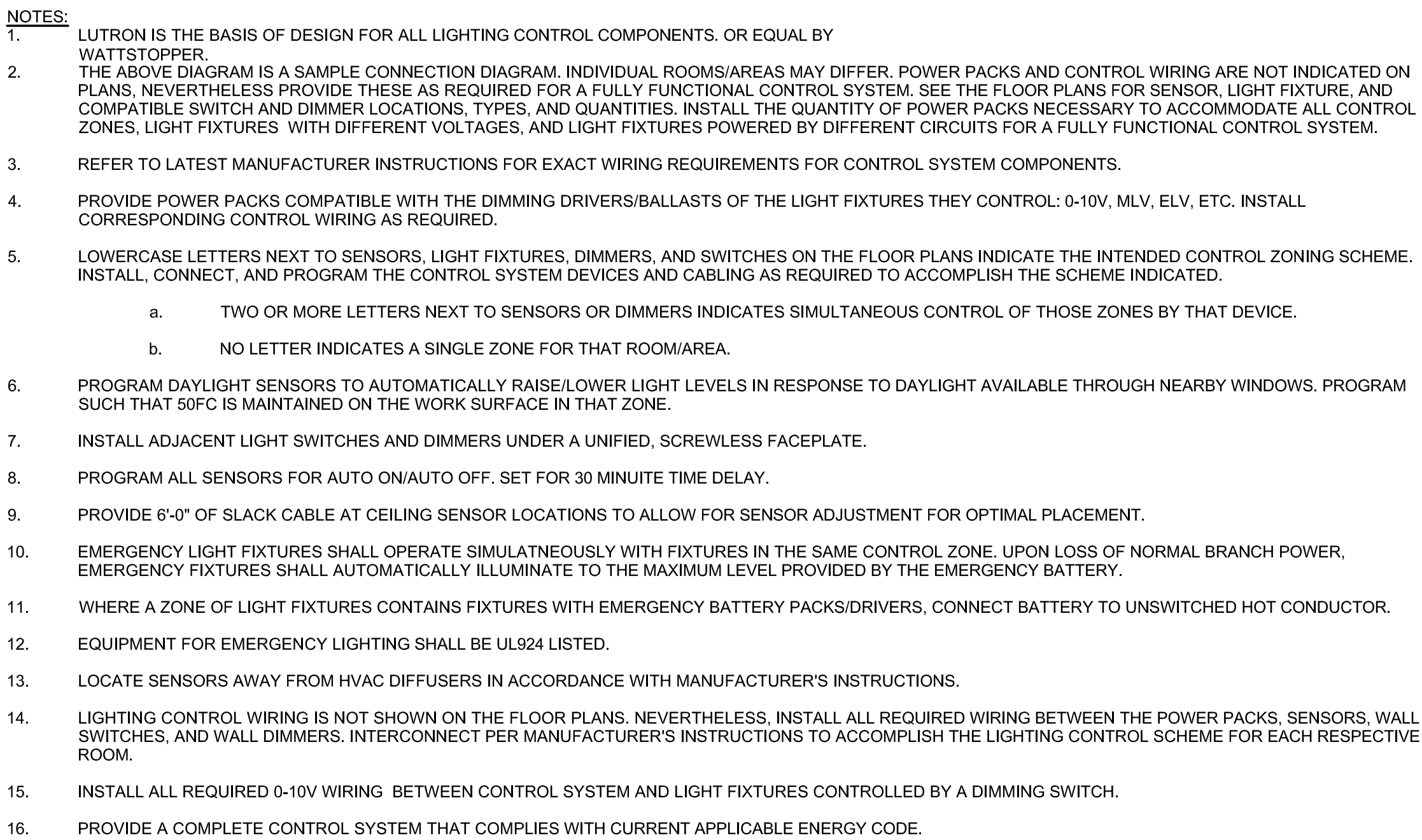
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ALL ALLOWANCES ARE TO BE INCLUDED FOR UNFORESEEN CONDITIONS THAT MAY ARISE DURING THE COURSE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACCUMULATING THE EVIDENCE OF THIS DESIGN AREA TO BE INCLUDED IN THE PROJECT RECORDS.

B. ELECTRICAL DESIGN HAS BEEN BASED ON THE INSTALLATION OF 750V AIRCRAFT TYPE CABLES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY SUPPORTS AND PROTECTIVE DEVICES TO MAINTAIN THE CABLES IN A PROPER POSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CABLES IN A PROPER POSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CABLES IN A PROPER POSITION.

C. SWITCHBOARDS, PANELBOARDS, DISCONNECT SWITCHES, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT SHALL BE PROVIDED WITH THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE EQUIPMENT IN A PROPER POSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE EQUIPMENT IN A PROPER POSITION.

D. ALL CONDUIT INSTALLED INDORS SHALL BE ELECTRICAL METALLIC TUBING (EMT) WITH THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CONDUIT IN A PROPER POSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CONDUIT IN A PROPER POSITION.

E. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH PULL STRIPS INSTALLED AND MAINTAINED IN A PROPER POSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CONDUIT IN A PROPER POSITION.

F. ALL LOW VOLTAGE CABLEING TO BE PLAINED RATED OR INSTALLED WHERE LOCATED ABOVE CEILING.

G. ELECTRICAL CONTRACTOR TO INCLUDE GROUNDING WIRE IN ALL RACKWAYS. SIZE OF GROUNDING WIRE TO BE DETERMINED BY N.E.C.

H. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND DETAILS FOR THE LOCATION OF THE REFLECTED CEILING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE REFLECTED CEILING IN A PROPER POSITION.

I. CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL WORK ABOVE THE REFLECTED CEILING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE REFLECTED CEILING IN A PROPER POSITION.

J. ELECTRICAL CONTRACTOR TO VERIFY EXACT PLACEMENT OF ALL DEVICES SHOWN ON ELECTRICAL CONTRACT DOCUMENTS WITH MECHANICAL DRAWINGS AND FIELD CONDITIONS PRIOR TO PLACEMENT.

K. BRANCH CIRCUITS SHOWN WITH TWO GROUNDED CONDUCTORS SHALL HAVE ONE GROUNDED CONDUCTOR (GREEN OR YELLOW STRIPS) INSTALLED IN RACKWAYS.

L. ALL ELECTRICAL CONDUITS SHALL BE PROVIDED WITH THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CONDUIT IN A PROPER POSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CONDUIT IN A PROPER POSITION.

M. ALL WORK SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.) AND ALL STATE, LOCAL, MUNICIPAL, AND STATUTORY REQUIREMENTS.

N. EACH INDIVIDUAL BRANCH CIRCUIT SHALL BE PROVIDED WITH ITS OWN HOT, NEUTRAL AND GROUNDING CONDUCTORS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CIRCUIT IN A PROPER POSITION.

O. ALL ELECTRICAL CONDUITS SHALL BE PROVIDED WITH THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CONDUIT IN A PROPER POSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CONDUIT IN A PROPER POSITION.

P. ALL CONDUIT SHALL BE PROVIDED WITH THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CONDUIT IN A PROPER POSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CONDUIT IN A PROPER POSITION.

Q. ALL CIRCUITS SHALL HAVE A SEPARATE GROUNDED CONDUCTOR SIZED PER N.E.C. REQUIREMENTS.

R. ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT DIRECTORY WITH THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CIRCUIT IN A PROPER POSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CIRCUIT IN A PROPER POSITION.

S. ELECTRICAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF THE ELECTRICAL SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE SYSTEM IN A PROPER POSITION.

T. ALL ELECTRICAL WORK SHALL BE PROVIDED WITH THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE WORK IN A PROPER POSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE WORK IN A PROPER POSITION.

U. CIRCUITS SHOWN ON DRAWINGS WITH ONLY A PANEL DESIGNATION SHALL BE PROVIDED WITH THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CIRCUIT IN A PROPER POSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE CIRCUIT IN A PROPER POSITION.

V. FIELD COORDINATION ALL FUTURE POWER OR SIGNAL LOCATIONS PRIOR TO

W. ALL DUPLEX RECEPTABLES WITH 6" - 0" OF A FINE OR LAUNDRY SHALL BE PROVIDED WITH THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE RECEPTABLE IN A PROPER POSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PROTECTIVE DEVICES TO MAINTAIN THE RECEPTABLE IN A PROPER POSITION.

X. ALL FIRE ALARM HORN/STROBE DEVICES INSTALLED IN THE SAME ROOM OR OFFICE AREA SHALL BE SEQUENCED TO FLASH AT THE SAME RATE PER

[illegible]

CONDUITS:	
	HOME RUN TO PANEL, CIRCUIT NUMBERS, PHASE, NEUTRAL AND GROUND CONDUCTIONS INDICATED. ALL CONDUITS TO BE #12 EXCEPT WHERE NOTED. CONDUIT 1/2" OR AS NOTED ON PLANS AND SPECIFICATIONS.
	CONDUIT WITH 3 #12 CONDUCTORS.
	PARTIAL CIRCUIT
	GROUND CONNECTION
LIGHTING:	
	CEILING LIGHT FIXTURE, LETTER INDICATES FIXTURE TYPE.
	WALL MOUNTED LIGHT FIXTURE, LETTER INDICATES FIXTURE TYPE.
	LED LIGHT FIXTURE.
	LED DUAL SWITCHED LIGHT FIXTURE.
	LED EMERGENCY OR NL LIGHT FIXTURE.
	LED STRIP LIGHT FIXTURE.
	EXCEPT MOUNTED EXIT LIGHT.
	WALL MOUNTED EXIT LIGHT, 4" - 6" OR AS NOTED.
SWITCHES:	
	SINGLE POLE SWITCH, 4" - 10" OR AS NOTED.
	THREE-WAY SWITCH, 4" - 10" OR AS NOTED.
	MANUAL MOTOR SWITCH.
	KEYED SWITCH.
	DIMMER SWITCH.
	OCCUPANCY SENSORED SWITCH.
	DUAL TECHNOLOGY OCCUPANCY SENSOR, 360° VIEW, CEILING MOUNTED.
	MOTION SENSOR: 2000 SQUARE FOOT COVERAGE.
	MOTION SENSOR: 500 SQUARE FOOT COVERAGE.
	POWER PACK LUTRON #PP-277H, 20 AMP BALLAST RELAY CONTACT RATING.
RECEPTACLES:	
	20 AMP DUPLEX RECEPTACLE, 4" - 18" OR AS NOTED.
	GROUND FAULT DUPLEX RECEPTACLE, MOUNTED 6" ABOVE COUNTER TOP OR AS NOTED ON ARCH. DRAWINGS.
	RECEPTACLE MOUNTED 6" ABOVE COUNTER TOP OR AS NOTED ON ARCH. DRAWINGS
	FOUR-PLUG RECEPTACLE, 4" - 18" OR AS NOTED.
	4-PLUG RECEPTACLE, MOUNTED 6" ABOVE COUNTER TOP OR AS NOTED ON ARCH. DRAWINGS.
	FLUSH FLOOR BOX
COMMUNICATIONS:	
	TELEPHONE OUTLET, 4" - 18" WITH 1/2" CONDUIT TO ABOVE CEILING.
	TELEPHONE/DATA OUTLET, 4" - 18" WITH 1" CONDUIT TO ABOVE CEILING.
	TELEPHONE/DATA OUTLET, 6" ABOVE COUNTER TOP OR AS NOTED ON ARCH. DRAWINGS
	DATA OUTLET, 6" ABOVE COUNTER TOP OR AS NOTED ON ARCH. DRAWINGS
	FLUSH FLOOR DATA OUTLET
FIRE ALARM AND SECURITY:	
	FIRE ALARM HORN AND STROBE, 4" - 8" TO BOTTOM OF DEVICE
	STROBE ONLY, 4" - 8" TO BOTTOM OF DEVICE
DEVICES:	
	THERMISTAT (FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR).
SERVICE EQUIPMENT:	
	PANELBOARD, 20" 6"-0".
	MAIN DISTRIBUTION PANEL, 20" 4"-0".
JUNCTION BOXES, MOTORS, STARTERS, AND DISCONNECTS:	
	JUNCTION BOX.
	DISCONNECT SWITCH.
	DISCONNECT SWITCH FURNISHED W/ EQUIPMENT (INSTALLED BY ELEC. CONTRACTOR)
	MOTOR CONNECTION.
SECURITY:	
	AIR PHONE: WEATHER PROOF J-BOX MOUNTED WITH 3/4" CONDUIT ROUTED TO 3" ABOVE
	CARD READER: JUNCTION BOX MOUNTED AT 4" - 6" AFF WITH 3/4" CONDUIT ROUTED TO 3" ABOVE FINISH CEILING.
	KEYPAD: WEATHER PROOF J-BOX MOUNTED AT 4" - 6" AFF WITH 3/4" CONDUIT ROUTED TO 3" ABOVE FINISH CEILING.
ABBREVIATIONS:	
WP	WEATHERPROOF.
ATF	ABOVE FINISH FLOOR.
ETR	EXISTING TO REMAIN.

[illegible]



Diagram illustrating the installation of a new service entrance. The diagram shows the exterior and interior of a building. Key components and labels include:

- EXISTING UTILITY WEATHER HEAD TO REMAIN.** (Exterior)
- EXISTING SERVICE ENTRANCE TO REMAIN.** (Exterior)
- EXISTING METER TO REMAIN.** (Exterior)
- INTERIOR** (Building interior)
- PANEL "P1" (NEW)** (Interior)
- NEW PANEL (REFER TO PANEL SCHEDULE) REMOVE AND REPLACE EXISTING SERVICE ENTRANCE PANEL.** (Interior)
- EXTEND EXISTING CIRCUITING TO NEW PANEL.** (Interior)
- EXISTING SERVICE ENTRANCE GROUND TO REMAIN AND CONNECT TO NEUTRAL IN NEW PANEL** (Exterior)

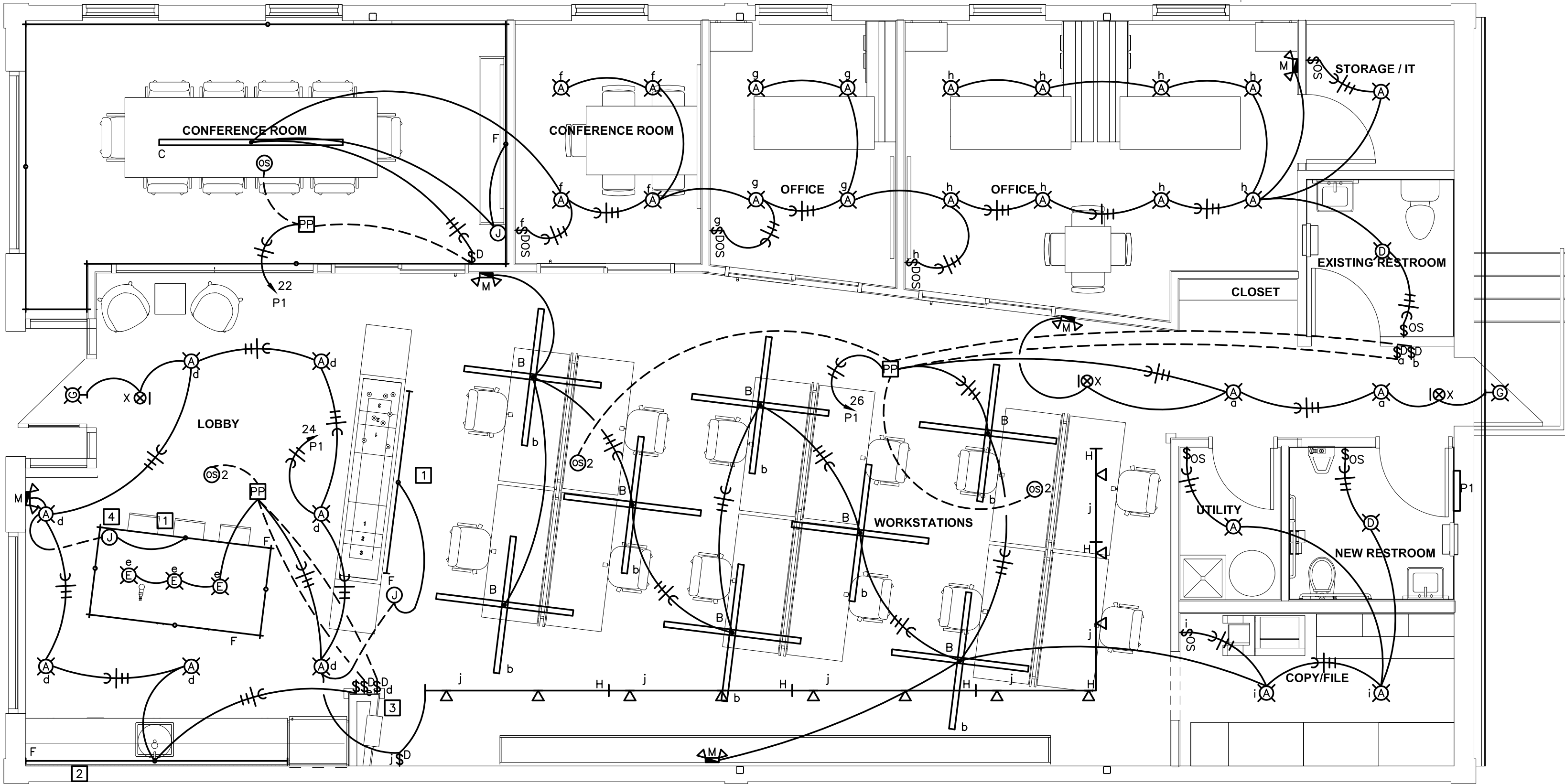
NOT TO SCALE

[illegible]

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)- 750-90-35-30-X-W- 120-DP-1-CTS(##)-OS(##) 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 – #TB2DLED-1000-300-90- 35-BW-50-8-BLK-120- DP-1-CA(##)-OS(##) 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	GOATHAM – #EVO6-35/20-AR-MWD-ID -WOLT- G210-TRW OR EQUAL	LED 3500°K 85CRI 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. MATTE-DIFFUSE FINISH.
E	EUREKA LIGHTING – #4038-LED.4-35-120- DV-S6-(xx)-RC-BLK-WH OR EQUAL	LED 3500°K 85CRI 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 – PWS-198L-1150-WW-G2 -3-UNV-DD-MMRI-PCB- F1-BK OR EQUAL BY: MCGRAW-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 – #L815MED10FL935SL OR EQUAL	LED 3500°K 90CRI 1104LM	120-277 12.7	4 INCH LED TRACK LIGHT HEAD. 45 DEGREE BEAM. SILVER PAINTED FINISH.
HT	COOPER LIGHTING HALO – #L85(5)MBL902L980MB L983MB 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

1. COORDINATE WITH ARCHITECT ON INSTALLATION.
2. UNDERCOUNTER TAPE LIGHTS TO BE PLACED AT UPPER CABINETS AND EACH SHELF.
3. MOUNT DMX DRIVER CONTROL RECESSED IN WALL AND ROUTE CONDUIT UNDERGROUND AND OVERHEAD IN CONDUIT WHERE REQUIRED FOR ALL "F" TYPE FIXTURES.
4. 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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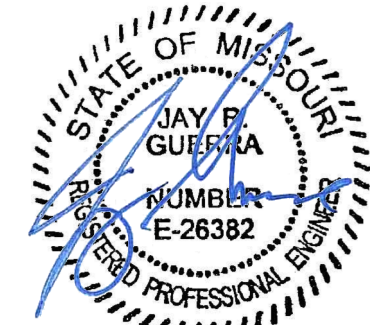
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PROFESSIONAL SEAL

LIGHTING PLAN

E201

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