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ITAP - LEE'S SUMMIT

228 SW MAIN ST.
LEE'S SUMMIT, MO 64063

PERMIT DOCUMENTS

27 FEB 2023

COLLINS WEBB #: 22066

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REVISION DATES:



PROFESSIONAL SEAL

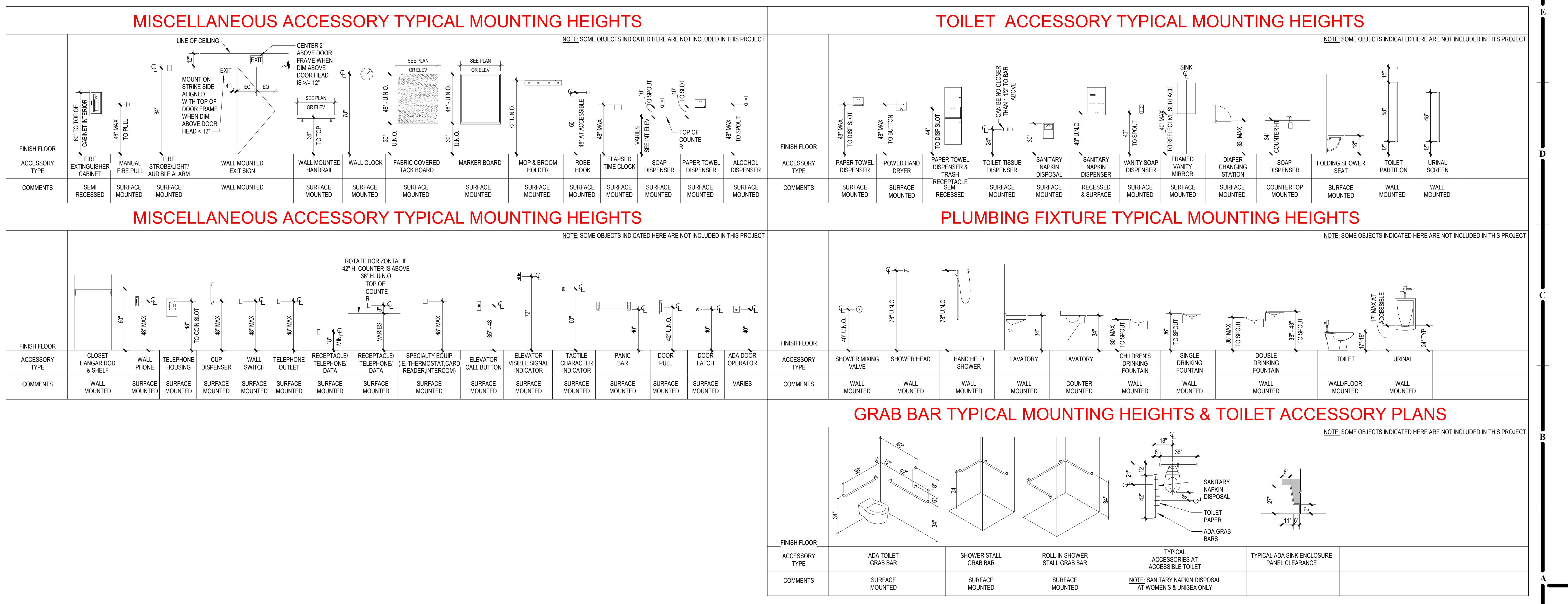
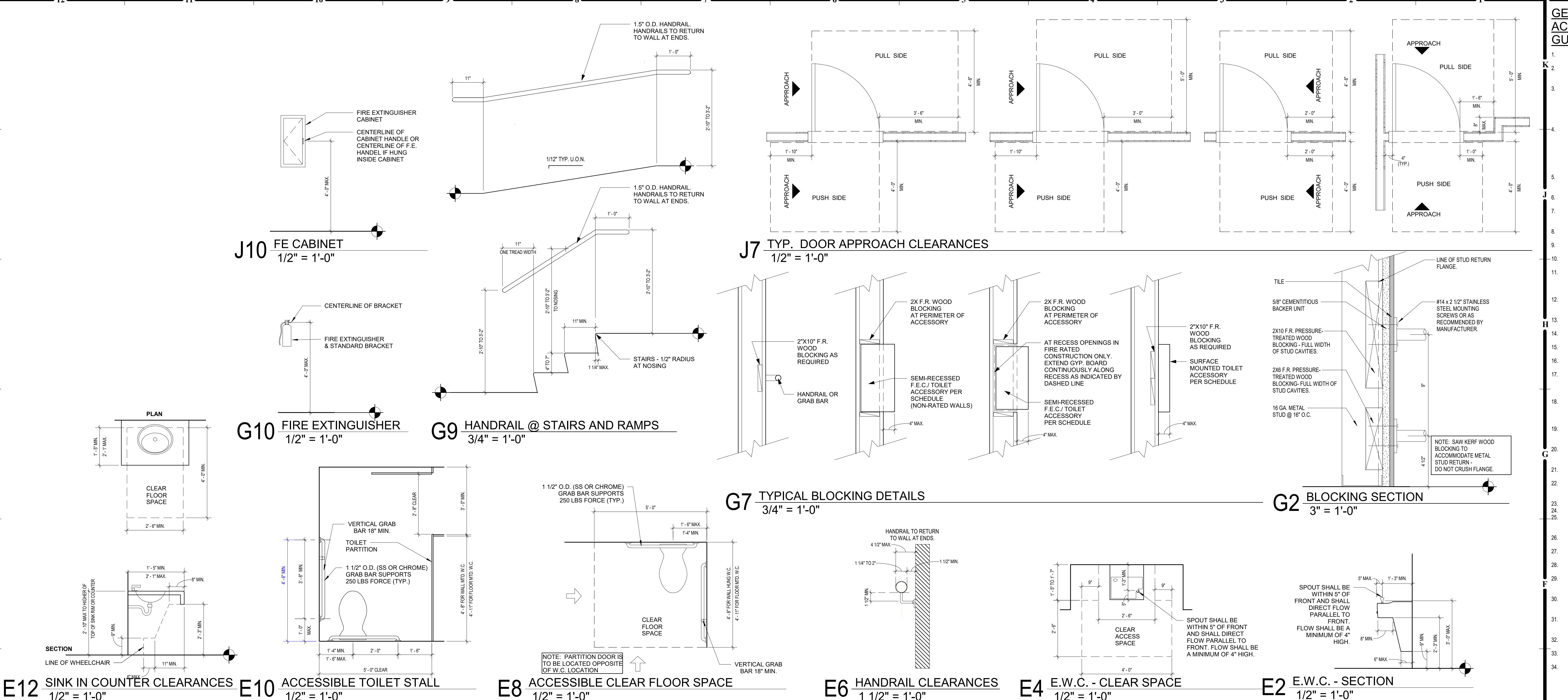
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ISSUE DATE: 27 FEB 2023

COLLINS WEBB #: 22066

GENERAL NOTES
ACCESSIBILITY
GUIDELINES:

1. ALL DIMENSIONS ARE MEASURED FROM FLOOR, UNLESS NOTED OR SHOWN OTHERWISE.
2. ADA UNOBSTRUCTED REACH RANGES: ADA FORWARD REACH = 48" MAX & ADA SIDE REACH = 48" MAX & 15" MIN.
3. ELEVATORS: STANDARD CALL BUTTONS: 36" TO 48" TO C.L. & PROTRUDE 1" MAX. ADA CALL BUTTONS: 42" TO C.L. (TYP.) & 48" MAX. (34" SHALLOWEST DIM.) ADA VISIBLE SIGNAL: 72" MIN. TO 78" MAX. SHALLOWEST DIM. 18" MAX. ELEVATOR HOISTWAY: 87" TO BASE OF CHARACTER'S W/TACTILE STAR 2 & HIGH CHARACTER'S DOOR HARDWARE.
4. STAIRS: 30" MAX. TREAD DEPTH. PUSH PLATE = 42", PULL HANDLES = 40", KNOBS/LEVERS = 40", PANIC EXIT = 42" CENTERLINE OF BAR, KICKPLATES = 42" WIDTH + DOOR WIDTH MINUS 2". CENTER HEIGHT = 16" MAX. THREE (3) STEPS MAX. FOR RAMP. SWINGING DOORS = 34" MAX. ADA HARDWARE = 34" MIN. TO 48" MAX. DRINKING FOUNTAINS & EWC'S (TO SPOUT) STANDARD = 40" TYP. 42" MAX. ADA = 34" MAX. (27" MIN. CLEAR KNEE COUNTERTOPS (TO SINK RIM COUNTERTOP): ADA = 28" MIN. TO 34" MAX.
5. WATER CLOSETS (TO TOP OF SEAT): STANDARD = 14" TO 16" MAX. (MIN. TO SEAT) = 17" TO 19" ADA FLUSH CONTROLS = 44" MAX.
6. URINALS: STANDARD = 24" MAX. ADA = 17" MAX. ADA FLUSH CONTROLS = 44" MAX.
7. LAUNDRY: COUNTERTOPS (TO RIM COUNTERTOP): STANDARD = 36" MAX. ADA = 34" MAX. (29" MIN. CLEAR KNEE SPACE) MIRRORS (TO B.C. REFLECTIVE SURFACE): STANDARD = VARIES. ADA = 40" MAX.
8. SHOWERS: LINE OF STUD RETURN FLANGE. #4 x 2 1/2" STAINLESS STEEL SCREWS OR AS RECOMMENDED BY MANUFACTURER.
9. 10. COUNTERTOPS (TO TOP OF BAR): WATER CLOSETS = 33" MIN. TO 38" MAX. SHOWERS = 32" MIN. TO 38" MAX. FROM B.C. (SHOWER): BATHTUBS: TOP BAR = 32" MIN. TO 38" MAX. BOT. BAR = 9" ABOVE TUB.
11. SHOWER HEADS (FROM COUNTERTOP TO HEAD): STANDARD = 72" TO 84" MAX. SPRAY UNIT W/HOSE = 30" LONG. MIN. ADA = 48" AFF.
12. SHOWER CONTROLS (TO CONTROL AREA): STANDARD = 48" MAX. (TO RIM): ADA = 38" MAX. (TO 48" MAX).
13. SHOWER ROSE (FROM FLOOR TO COUNTER): STANDARD = 78" MAX.
14. TOILET PARTITION: TOILETS = 12" TO BOT. & 70" TO TOP. PARTITION = 18" TO BOT. & 68" TO TOP. (TOP OF PARTITION IS 4" C.L. OF OUTLET).
15. TOILET PAPER DISPENSERS (TO C.L. OF OUTLET): STANDARD = 24" ADA = 19" MIN. TO 24" MAX.
16. WALL MOUNTED SOAP DISPENSERS (TO C.L. OF PUSH BUTTON): STANDARD = 40" ADA = 34" MAX. & 15" MIN. CLEAR KNEE SPACE. ADA UNOBSTRUCTED REACH RANGES. ADA SIDE REACH = 46" MAX. ABOVE SINK IN COUNTER.
17. PAPER TOWEL DISPENSER/WASTE RECEPTACLE (TO TOWEL SLOTTED): STANDARD = 40" MAX. ADA FORWARD REACH = 48" MAX & 15" MIN. ADA SIDE REACH = 48" MAX & 15" MIN.
18. WARM AIR HAND DRYER (TO PUSH SWITCH): STANDARD = 44" MAX. ADA FORWARD REACH = 48" MAX & 15" MIN. ADA SIDE REACH = 48" MAX & 15" MIN.
19. SANITARY NAPKIN DISPENSER (TO C.L. OF COIN SLOT): STANDARD = 24" ADA = 19" MIN. TO 24" MAX.
20. SHELVES: ADA = 45" MAX.
21. COAT HOOKS: STANDARD = 68" ADA = 48" MAX.
22. CHALKBOARDS/TACKBOARDS & MARKERS: STANDARD = 48" MAX. ADA FORWARD REACH = 48" MAX & 15" MIN. ADA SIDE REACH = 48" MAX & 15" MIN.
23. THERMOSTATS & CONTROL DEVICES (TO C.L.): STANDARD = 40" MAX. ADA FORWARD REACH = 48" MAX & 15" MIN. ADA SIDE REACH = 48" MAX & 15" MIN.
24. TOILET SEAT COVER DISPENSERS (TO C.L.): STANDARD = 40" MAX. ADA FORWARD REACH = 48" MAX & 15" MIN. ADA SIDE REACH = 48" MAX & 15" MIN.
25. SHELVES: ADA = 45" MAX.
26. CONVENIENCE RECEPTACLES - ELECTRICAL/TELEPHONE DATA (TO C.L.): STANDARD = 18" ADA = 15" MIN.
27. EXHAUST FANS: MOUNTED = 2" MIN. BELOW CEILING. 2" MIN. CLEAR KNEE SPACE. EQUAL SPACE FROM CEILING TO TOP OF FRAME.
28. FIRE EXTINGUISHERS (TO TOP): MAX. GROSS WT. 40 LBS. OR LESS. 15" MAX. REACH. 10' MAX. REACH. NOT MORE THAN 40 LBS. = 42" MAX. 15" MAX. (B.C. CABINET).
29. FIRE ALARM PULL STATIONS (TO LEVER): STANDARD = 48" MAX. ADA FORWARD REACH = 48" MAX. ADA SIDE REACH = 48" MAX.
30. SMOKE AND/OR HEAT DETECTORS: STANDARD = CEILING HEIGHT.
31. HORN SPEAKER/VISUAL SIGNALS: STANDARD = 80" AFF. OR 6" BELOW CEILING - WHICHEVER IS LOWER.
32. ROOM SIGNAGE (TO C.L.): STANDARD = 30" HIGH AFF. & WITHIN 18" OF CLAWHAN SIDE OF DOOR.
33. 34. HORN SPEAKER/VISUAL SIGNALS: STANDARD = 80" AFF. OR 6" BELOW CEILING - WHICHEVER IS LOWER.

A11 TYPICAL MOUNTING HEIGHTS
1/4" = 1'-0"

SPECIFICATIONS - PRODUCT & INSTALLATION GENERAL REQUIREMENTS

GENERAL REQUIREMENTS APPLICABLE TO ALL MATERIALS FOR THE PROJECT:

1. NO SUBSTITUTIONS OF MATERIALS WITHOUT COMPLETION OF A SUBSTITUTION REQUEST FORM & APPROVAL OF SUBSTITUTION BY BOTH ARCHITECT & OWNER/PROJECT MANAGER. A COPY CAN BE REQUESTED FROM ARCHITECT.

2. A CONSIDERATE SET OF DRAWINGS PROVIDED TO THE PROJECT TEAM ADHERES TO MANUFACTURER REQUIREMENTS AND INSTALLATION ARE TO BE FOLLOWED WITH SECTIONS PROVIDED IN DRAWINGS. IF REQUIRED THE ARCHITECT WILL ISSUE ADDITIONAL SECTIONS TO PROVIDE CLARITY TO PRODUCTS OR INSTALLATION REQUIREMENTS.

DIVISION 1 - GENERAL REQUIREMENTS

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

A. CONTRACTOR LICENSES

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

B. BUILDING PERMITS

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

C. UTILITY FEES

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

D. PROTECTION OF FINISHED WORK

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

E. GENERAL CONDITIONS

1. ANY DISCREPANCY OR CONFLICT WITHIN OR BETWEEN DRAWINGS AND ANY DISCREPANCY OR CONFLICT BETWEEN ANY DRAWINGS AND ANY SPECIFICATIONS SHALL BE REFERRED TO THE ATTENTION OF THE ARCHITECT.

NOTWITHSTANDING, DISCREPANCIES OR CONFLICTS NOT BROUGHT TO THE ATTENDANCE OF OWNERS ATTENTION AND CLARIFIED DURING THE BIDDING OF THE PROJECT WILL BE DEEMED TO HAVE BEEN BID OR PROPOSED IN THE MORE COSTLY OR DIFFICULT MANNER, AND THE BETTER QUALITY OR GREATER QUANTITY OF THE WORK SHALL BE PROVIDED.

2. THE GENERAL CONTRACTOR SHALL KEEP A COMPLETE PROTOTYPE SET OF DOCUMENTS ON THE PROJECT SITE AT ALL TIMES FOR REFERENCE DURING CONSTRUCTION.

3. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE CONTRACTOR'S BEST SKILLS AND KNOWLEDGE, AND SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

4. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR HAVING CONTROL OVER ALL JOB SITE SAFETY FEATURES AND POLICIES. THE GENERAL CONTRACTOR SHALL HAVE A SAFETY COORDINATOR AND BE RESPONSIBLE TO HOUSING REGULARLY SCHEDULED SAFETY TRAINING WITH ALL JOB SITE PERSONNEL, INCLUDING ALL SUB-CONTRACTOR PERSONNEL.

5. NEITHER THE ARCHITECTS OR THE OWNERS INSPECTION NOR FAILURE TO INSPECT SHALL RELIEVE THE CONTRACTOR OF ANY LIABILITY FOR DAMAGE TO MASONRY WORK FROM CARBON DIOXIDE BUILD-UP.

6. THE CONTRACTOR SHALL PROMPTLY REMEDY AND/OR REPLACE THE SAME AT THE CONTRACTOR'S EXPENSE. NO ACCEPTANCE OR PAYMENT BY THE OWNER OR ARCHITECT SHALL CONSTITUTE A WAIVER OF THE FOREGOING AND NOTHING HEREIN SHALL EXCLUDE OR LIMIT ANY WARRANTIES IMPLIED BY LAW.

7. THE GENERAL CONTRACTOR SHALL SO CONDUCT ITS OPERATIONS AS NOT TO UNREASONABLY INTERFERE WITH THE OWNERS OF PROPERTIES ADJACENT OR NEAR TO THE PROJECT SITE.

7. NO SCALE DRAWINGS

F. PROJECT REQUIREMENTS

1. THE GENERAL CONTRACTOR REPRESENTS THAT IT POSSESSES THE SKILLS REQUIRED FOR THE WORK, ASSUMES THE RESPONSIBILITIES OF AN EMPLOYER FOR PERFORMANCE OF THE WORK, AND ACTS AS AN EMPLOYER OF ONE OR MORE EMPLOYEES BY PAYING WAGES, DIRECTING ACTIVITIES AND PERFORMING OTHER SIMILAR FUNCTIONS. THE GENERAL CONTRACTOR IS AN INDEPENDENT CONTRACTOR, FREE TO DETERMINE THE MANNER IN WHICH THE WORK IS PERFORMED.

2. THE GENERAL CONTRACTOR SHALL PROVIDE, AND MAINTAIN IN GOOD WORKING ORDER, THE FOLLOWING ITEMS FOR USE BY THE PROJECT SUPERINTENDENT DAILY DURING THE ENTIRE DURATION OF THE PROJECT:

- A. LAPTOP OR INTERNET ACCESS
- B. DIGITAL CAMERAS WITH ENOUGH CAPABILITY AND WITH PROPER CABLES TO ATTACH TO LAPTOP
- C. EMAIL ACCESS THROUGH THE LAPTOP
- D. A PRINTER/SCANNER/FAX MACHINE WITH PROPER CABLES TO ATTACH TO LAPTOP
- E. CELL PHONE

3. THE GENERAL CONTRACTOR SHALL HAVE A CONSTRUCTION SUPERINTENDENT ASSIGNED TO THIS PROJECT, AND THIS SUPERINTENDENT SHALL BE ON SITE EVERY DAY THERE IS ANY CONSTRUCTION ON THE PROJECT. THE SUPERINTENDENT SHALL BE REACHABLE BY PHONE DURING NORMAL BUSINESS HOURS. ONCE ASSIGNED, THE SUPERINTENDENT SHALL NOT BE REMOVED OR REPLACED WITHOUT WRITTEN APPROVAL FROM OWNER & ARCHITECT, UNLESS THE SUPERINTENDENT IS UNFIT TO PERFORM THE WORK.

4. THE SUPERINTENDENT WILL BE REQUIRED TO PROVIDE PHOTOGRAPHS (VIA EMAIL) USING A DIGITAL CAMERA) TO THE OWNER & ARCHITECT EACH FRIDAY AT NOON CST, SHOWING THE PROGRESS OF CONSTRUCTION. THE GENERAL CONTRACTOR IS ENCOURAGED TO TAKE PHOTOS SEVERAL TIMES EACH WEEK TO HELP MAINTAIN PROOF OF CONSTRUCTION AND DOCUMENT UNCOVERED CONDITIONS, RECORD CONDITION AND AMOUNTS OF VENDOR GOODS UPON RECEIPT, AND RECORD CONSTRUCTION THAT VARIES FROM THE C.O.S. AS PART OF THE AS-BUILTS). ALL PHOTOS WILL HAVE A DATE STAMP.

G. INSPECTIONS/OBSERVATIONS

1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OVERSEE CONSTRUCTION OF THE PROJECT, CONTINUALLY

INSPECTING THE WORK, MATERIALS, AND WORKMANSHIP PROVIDED BY ALL OF THE TRADESMEN, SUBCONTRACTORS, AND OTHERS INVOLVED IN QUALITY OF CONSTRUCTION ON A DAILY BASIS. IF THE CONTRACTOR ENFORCES HIGH STANDARDS OF ACCEPTABILITY, THE GENERAL CONTRACTOR CAN NOT DELEGATE HIS RESPONSIBILITY TO THE SUBCONTRACTORS, BUT MUST CONTINUALLY MONITOR THE WORK OF EACH TRADE ON THE PROJECT.

2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE AND SCHEDULE ALL AGENCIES HAVING JURISDICTION (AHJ) TO INSPECT AS NECESSARY TO OBTAIN THE CERTIFICATE OF OCCUPANCY (CERTIFICATE OF COMPLETION). PRIOR TO THE DATE OF THE INSPECTION, THE CONTRACTOR SHALL NOTIFY THE INSPECTOR IN WRITING THAT THE CONSTRUCTION COMPLIES WITH THE AGENCY REQUIREMENTS. SCHEDULE FINAL INSPECTIONS WITH AGENCY REPRESENTATIVES WHEN THE PROJECT IS NOT COMPLETE. MUST BE AVOIDED. COPIES OF FINAL INSPECTIONS MUST BE PROVIDED TO OWNER AND THE CONTRACTOR AS THEY ARE AVAILABLE.

3. DO NOT INSPECT THE SUBSTANTIAL COMPLETION INSPECTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT HIS OWN PRE-SUBSTANTIAL COMPLETION INSPECTION OF THE CONSTRUCTION FOR QUALITY OF CONSTRUCTION AND COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.

4. ALL FOUNDRY PERSONNEL SHOULD BE IN ATTENDANCE FOR THE SUBSTANTIAL COMPLETION INSPECTION.

B. GENERAL CONTRACTOR SUPERINTENDENT

C. MECHANICAL CONTRACTOR

D. ELECTRICAL CONTRACTOR

E. PLUMBING CONTRACTOR

F. PAINTING CONTRACTOR

G. FLOORING CONTRACTOR

5. ITEM 10 TO BE SUBMITTED AS A PRE-REQUISITE TO THE REQUEST FOR THE CERTIFICATE OF SUBSTANTIAL COMPLETION IS THE INSPECTION OF THE OUTSTANDING ITEMS TO BE COMPLETED AND CORRECTED.

A. GENERAL CONTRACTOR'S PUNCH LISTS

B. HVAC TEST AND BALANCE REPORT

C. SCAFFOLDING SYSTEM ACCEPTANCE INSPECTION REPORT

D. COPY OF THE PROJECT'S SECURITY SYSTEM

E. REVIEW TEAM SHOULD PROCEED IN AN ORGANIZED MANNER THROUGHOUT THE BUILDING INSPECTING EACH SPACE OR ROOM. THE PUNCH LIST GENERATED BY THE SUBSTANTIAL COMPLETION INSPECTION TOUR IS TO BE PROVIDED BY THE CONTRACTOR, ALONG WITH THE PUNCH LIST, THE ARCHITECT SHALL PREPARE THE 'CERTIFICATE OF SUBSTANTIAL COMPLETION'.

F. IMMEDIATELY AFTER RECEIPT OF THE PUNCH LIST, THE GENERAL CONTRACTOR AND SUBCONTRACTORS ARE EXPECTED TO BEGIN CORRECTION OF THE OUTSTANDING ITEMS. AFTER COMPLETION OF PUNCHLIST, THE CONTRACTOR SHALL NOTIFY OWNER & ARCHITECT IN WRITING THAT FULL LIST OF ITEMS TO BE COMPLETED AND OR CORRECT IS FINALIZED.

H. RECORD - CLOSE-OUT DOCUMENTS

1. THE OWNER REQUIRES THE GENERAL CONTRACTOR AND SUBCONTRACTORS TO MAINTAIN AN ACCURATE, CURRENT RECORD OF ALL INFORMATION PROVIDED TO THE CONTRACTOR. THE AS-BUILTS MUST BE MAINTAINED ON-SITE IN THE GENERAL CONTRACTOR'S OFFICE AND WILL NOT BE USED FOR ANY OTHER PURPOSE SINCE THE OWNER WILL OWN AND OPERATE THE FACILITY. IT IS IMPERATIVE THAT ALL PARTIES MAINTAIN ACCURATE INFORMATION REGARDING THE AS-BUILTS. ALL INFORMATION PROVIDED TO THE CONTRACTOR IS TO BE MAINTAINED AS THE CONTRACTOR'S RESPONSIBILITY.

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DIVISION 10 - SPECIALTIES
10 2800 TOILET AND BATH ACCESSORIES
A. REFERENCE CONSTRUCTION DRAWINGS & SCHEDULES FOR TYPE, QUANTITY, AND LOCATIONS OF TOILET AND BATH ACCESSORIES.
B. SUBMIT:
1. PRODUCT DATA, MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED, INCLUDING:
2. PREPARATION INSTRUCTIONS AND RECOMMENDATIONS
3. STORAGE AND HANDLING REQUIREMENTS AND RECOMMENDATIONS
4. INSTALLATION METHODS.
B. INSTALLATION:
1. INSTALLER MUST EXAMINE SUBSTRATES, PREVIOUSLY INSTALLED INSERTS AND ANCHORAGES NECESSARY FOR MOUNTING OF TOILET ACCESSORIES, AND OTHER CONDITIONS UNDER WHICH INSTALLATION IS LOCATED. IF ANY CONDITIONS ARE FOUND WHICH ARE OF CONDITIONS DETERMINAL TO PROPER AND TIMELY COMPLETION OF WORK, DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN MANNER ACCEPTABLE TO INSTALLER.
2. INSTALL ACCESSORIES ACCORDING TO RESPECTIVE MANUFACTURER'S WRITTEN INSTRUCTIONS, USING TOOLS APPROPRIATE TO SUBSTRATE INDICATED AND RECOMMENDED BY UNIT MANUFACTURER. 1. INSTALL UNITS LEVEL, PLUMB, AND FIRMLY ANCHORED IN LOCATIONS AND AT HEIGHTS INDICATED. ADHESIVE
INSTALLATIONS ARE NOT PERMITTED.
3. MOUNTING HEIGHTS SHALL BE AS RECOMMENDED BY THE ACCESSORY MANUFACTURER AND AT HEIGHTS RECOMMENDED BY USE FOR PHYSICALLY HANDICAPPED TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT.
4. GRAB BARS: INSTALL TO WITHSTAND A DOWNWARD LOAD OF AT LEAST 250 LBF. WHEN TESTED ACCORDING TO ANSI A117.1.
5. ADJUST ACCESSORIES FOR PROPER OPERATION AND VERIFY THAT MECHANISMS FUNCTION SMOOTHLY.
6. CLEAN AND POLISH ALL EXPOSED SURFACES AFTER REMOVING PROTECTIVE COATINGS.

10 3000 SOLID PLASTIC TOILET COMPARTMENTS
A. REFERENCE CONSTRUCTION DRAWINGS & SCHEDULES FOR TYPE, QUANTITY, AND LOCATIONS OF TOILET AND BATH ACCESSORIES.

B. PRODUCTS:
BASIS OF DESIGN: ECLIPSE TOILET PARTITIONS AS MANUFACTURED BY AND SUPPLIED BY SCRANTON
1. STYLE: FLOOR MOUNTED, OVERHEAD BRACED TOILET COMPARTMENTS.
2. CONSTRUCTION: HIGH DENSITY POLYETHYLENE (HDPE), FABRICATED FROM SEQ CHAPTER 1 EXTRUDED POLYMER RESINS, FORMING SINGLE THICKNESS PANEL.
A. WATERPROOF AND NONABSORBENT, WITH SELF-LUBRICATING SURFACE, RESISTANT TO MARKS BY PENS, PENCILS, MARKERS, AND OTHER WRITING INSTRUMENTS.
B. THICKNESS: 1/2 INCH (13 MM).
C. EDGES: SHIPLAP.
3. PANEL COLOR: TRADITIONAL SERIES 1. SHALE - ORANGE PEEL.
4. DOORS AND PANELS: HIGH PRIVACY HEIGHT: 62 INCHES (1575 MM) HIGH AND MOUNTED AT 8 TO 14 INCHES (203 TO 356 MM) ABOVE THE FINISHED FLOOR.

C. SUBMITTALS:
1. PRODUCT DATA, MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED, INCLUDING:
2. PREPARATION INSTRUCTIONS AND RECOMMENDATIONS
3. STORAGE AND HANDLING REQUIREMENTS AND RECOMMENDATIONS
4. INSTALLATION METHODS.

5. SHOP DRAWINGS: PROVIDE LAYOUT DRAWINGS AND INSTALLATION DETAILS WITH LOCATION AND TYPE OF SELECTION SAMPLES: FOR EACH FINISH PRODUCT SPECIFIED, TWO COMPLETE SETS OF COLOR CHIPS REPRESENTING MANUFACTURER'S FULL RANGE OF AVAILABLE COLORS AND PATTERNS.

D. POSTS, RAILS AND HARDWARE:
1. METAL POSTS: 82.75 INCHES (2102 MM) HIGH, HEAVY DUTY EXTRUDED ALUMINUM, CLEAR ANODIZED FINISH, FASTENED TO FLOOR WITH STAINLESS STEEL TAMPER RESISTANT SCREW.
2. HIDDEN SHOE (FOOT): ONE-PIECE MOLED POLYETHYLENE, INVISIBLE SHOE INSERTED INTO METAL POST.
3. HEADRAIL CAP AND CORNER CAP: ONE-PIECE MOLED POLYETHYLENE SECURED TO METAL POST WITH STAINLESS STEEL TAMPER RESISTANT SCREW. ADJUSTABLE TO LEVEL. HEADRAIL TO FINISHED FLOOR.
4. WALL BRACKETS: CONTINUOUS HEAVY DUTY EXTRUDED ALUMINUM, CLEAR ANODIZED FINISH, INSERTED.
5. HEADRAIL: HEAVY DUTY EXTRUDED ALUMINUM, CLEAR ANODIZED FINISH, SECURED TO WALL WITH STAINLESS STEEL TAMPER SCREWS.

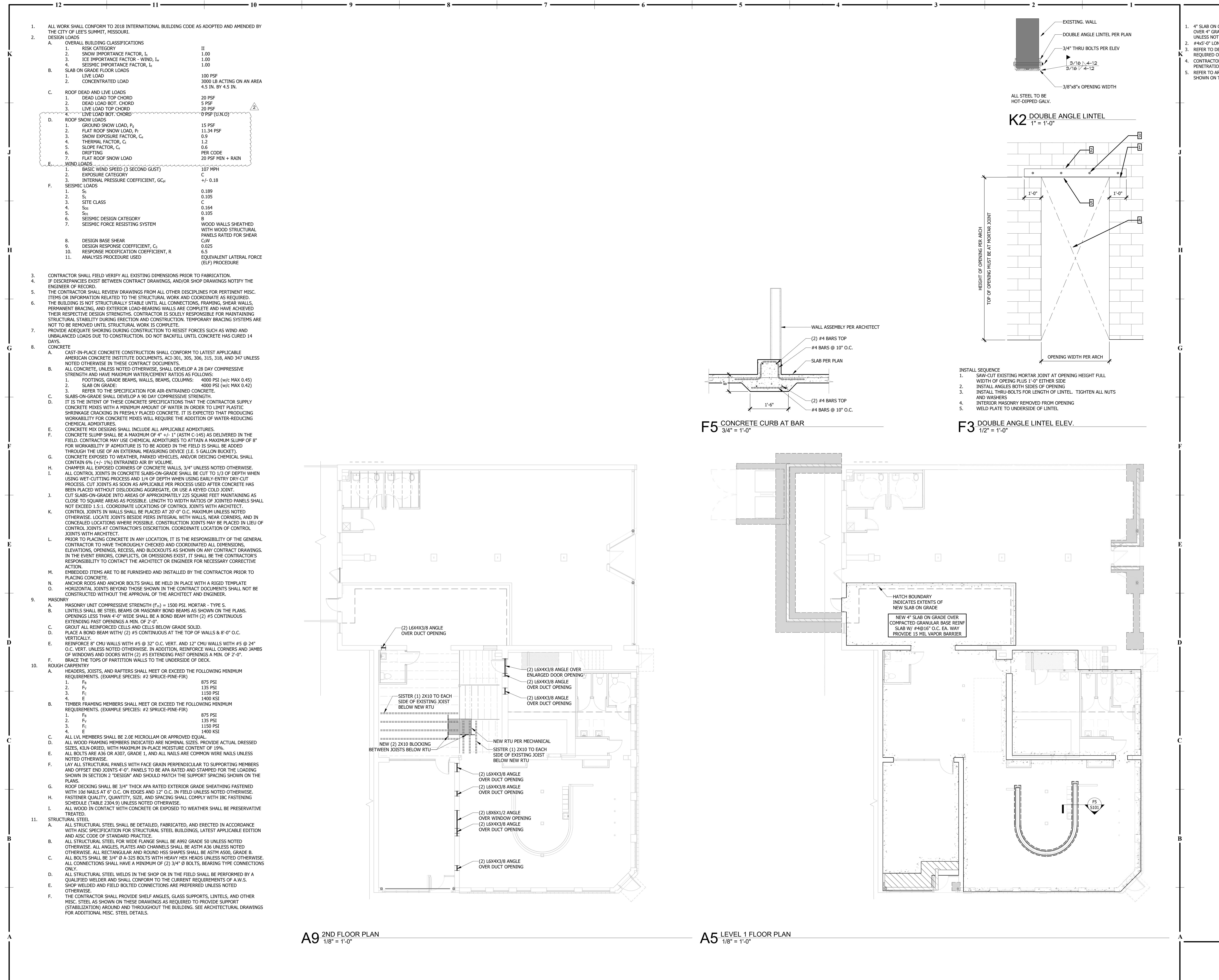
E. DOOR HARDWARE:
A. INTEGRAL MOUNTED HELIX STYLE STAINLESS STEEL, CONTINUOUS HINGE. CLOSING DEGREE: 5 DEGREES. COMES TO A FULL CLOSE ON ITS OWN WEIGHT.
B. OCCUPANCY INDICATOR LATCH AND HOUSING: MATERIAL: SATIN STAINLESS STEEL. OCCUPANCY INDICATOR: GREEN FOR OCCUPIED AND RED NOT OCCUPIED. SLIDE BOLT AND BUTTON.
C. DOOR HANDLE: MATERIAL: SATIN STAINLESS STEEL. CHROME PLATED ZAMAK. HANDICAP DOOR: FORGED WITH SECOND DOOR PULL AND DOOR STOP.
D. DOOR PULLS: CHROME PLATED ZAMAK.

F. INSTALLATION:
1. CLEAN SURFACES THOROUGHLY PRIOR TO INSTALLATION.
2. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SHOP DRAWINGS.
3. INSTALL PARTITIONS RIGID, STRAIGHT, PLUMB, AND LEVEL.
4. LOCATE BOTTOM EDGE OF DOORS AND PANELS ____ INCHES ABOVE FINISHED FLOOR.
5. LEAVES AT VARIOUS EDGES OF DOORS SHALL BE UNIFORM TOP TO BOTTOM AND SHALL NOT EXCEED 3/8 INCH (9.5 MM).
6. NO EVIDENCE OF CUTTING, DRILLING, AND/OR PATCHING SHALL BE VISIBLE ON THE FINISHED WORK.
7. FINISH SURFACES SHALL BE CLEAN AND FREE OF INSTALLATION AND BE LEFT FREE OF IMPERFECTIONS.
8. ADJUST DOORS AND LATCHES TO OPERATE CORRECTLY.
9. PROTECT INSTALLED PRODUCTS UNTIL COMPLETION OF PROJECT.
10. TOUCH-UP, REPAIR OR REPLACE DAMAGED PRODUCTS BEFORE SUBSTANTIAL COMPLETION.

DIVISION 11 - EQUIPMENT

11 3000 - APPLIANCES
A. REFERENCE CONSTRUCTION DRAWINGS FOR QUANTITY, AND LOCATION OF APPLIANCES TO BE FURNISHED BY OWNER.

10 4400 - FIRE PROTECTION SPECIALTIES
A. REFERENCE CONSTRUCTION DRAWINGS FOR TYPE, SIZE AND LOCATIONS OF FIRE EXTINGUISHERS AND CABINETS.



GENERAL NOTES:
FLOOR PLANS

- RE: GENERAL ARCHITECTURAL SHEETS FOR ADDITIONAL NOTES AND DETAILS THAT ARE APPLICABLE.
- ARCHITECTURAL ELEVATION 10'-0".
- DIMENSIONS SHOWN ON THE FLOOR PLAN ARE TO THE FLOOR GYPSUM BOARD, FLOOR, FACE OF MASONRY (FOMA) FACE OF CONCRETE WALLS (FCW) AND COLUMN GRID LINES UNLESS NOTED OR SHOWN OTHERWISE.
- NOTE: THICKNESSES ARE ACTUAL DIMENSIONS AND PER CONTRACTOR TO VERIFY.
- DOOR OPENINGS NOT LOCATED BY DIMENSION SHALL BE CENTERED IN WALL SHOWN OR LOCATED 4 INCHES FROM FINISH WALL TO HINGE SIDE OF DOOR, ALWAYS ALIGN HINGE SIDE OF DOOR TO THE PULL SIDE (STRIKE SIDE) OF THE DOOR TO THE INTERSECTING WALL, OR OTHER PROTRUDING OBJECTS.
- ALL ALCOVES WITHOUT A SPACE IDENTIFICATION NUMBER SHALL HAVE THE SAME FINISHES AS THE ADJOINING SPACES.
- PROVIDE FINISH LEVELS AS DESCRIBED:

 - ALL WALLS TO BE BROUGHT UP TO LEVEL 4 FINISH.
 - AREAS FOR BACK OF HOUSE EMPLOYEE OPERATIONS WHERE ROOM SIDE WALLS AND/OR CEILINGS HAVE PAINTED SURFACES.
 - COMMON CIRCULATION CORRIDORS WHERE ROOM SIDE WALLS AND/OR CEILINGS HAVE PAINTED SURFACES.
 - STAIR ENCLOSURES, STAIR TOWERS, EXIT PASSAGEWAYS AND EXTERIOR STAIRS ARE COORDINATED FOR PHASE OF WORK PER MATRIX AND PROJECT SCOPING.
 - MANTAIN AND PROTECT EXISTING EXPANSION JOINTS DURING CONSTRUCTION. PATCH/REPAIR JOINTS TO MAINTAIN EXPANSION JOINTS AS REQUIRED ON THE SHELL PORTION OF PROJECT.
 - CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH ALL APPLICABLE BUILDING CODES, LOCAL RULES, AND REGULATIONS, AND LOCAL CONTRACTOR NEGOTIATIONS AND GOVERNMENT AGREEMENTS HAVING JURISDICTION WITH ALL APPLICABLE AMENDMENTS UNLESS ALTERED OR CHANGED THROUGH VARIANCES OF OTHER LEGAL PROCEDURES.

FLOOR PLAN KEYED NOTES

MARK	DESCRIPTION
1	SIGNAGE BY OTHERS
2	CARPENTER TO MODIFY EXISTING DOOR AND JAMB TO SWING OUT PER IBC, NOTIFY ARCHITECT OF ANY ISSUES
3	BUILT-IN WOOD HIGHTOP 42" H. COORD. TOP FINISH W/ OWNER, RE: 06/05/02
4	TELEVISIONS BY OWNER, COORD. MOUNTING HT/W/ OWNER OUTLETS IN CEILING ABOVE TV'S TYP. RE: ELECTRICAL
5	ALL DINING AND BAR FURNITURE BY OWNER PROVIDE BENDS AND SWEEPS PER EQUIPMENT SUPPLIERS RECOMMENDATION, ENDPOINTS, SUPPORTS PER EQUIPMENT SUPPLIER RECOMMENDATIONS
6	EQUIPMENT SUPPLIER TO VERIFY FINAL OPENING DIMENSIONS PRIOR TO FABRICATION
7	MULLIONS FINISH TO MATCH EXISTING EXTERIOR STOREFRONT FINISH
8	BASIS OF DESIGN: QUIKSERV SC-4844 MANUAL SELF CLOSING SLIDER, 1/4" TEMPERED GLAZING, RE: A12/05/04 AND A8/05/04
9	FUTURE COOLER
10	ALIGN F.F.
11	12" DRINK RAIL, COORD. MATERIAL AND FINISH W/ OWNER, CONTRACTOR INSTALLED, CENTERLINE BRACKETS - COUNTERTOP SUPPORT BRACKETS FRONT MOUNTING PLUS-10X BLACK 4" MAX OFF CENTER
12	INFILL TO MATCH EXISTING
13	GLAZING TO BE BLACKED OUT
14	COORDINATE HARDWARE REQUIREMENTS W/ OWNER
15	NEW STOREFRONT DOOR, BASIS OF DESIGN: KAVNEER AA 425 THERMAL ENTRANCE SINGLE DOOR, FINISH TO MATCH EXISTING STREET STOREFRONT
16	8'-6" WALL
17	EXTEND EXISTING WALL, ALIGN F.F.
18	BASIS OF DESIGN: ALL NEW GYP WALLS TO RECEIVE DALTILE: PORTFOLIO 6"X12" P-3897B COVE BASE - IRON GREY
19	ALL EXISTING DOOR AND WINDOW TRIM TO BE PAINTED SW 6992 INKWELL - EGGSHELL FINISH
20	COORD. BRICK FINISH W/ OWNER
21	BASIS OF DESIGN: RESTROOM WET WALLS TO RECEIVE DALTILE - BEVELLED 2"X6" 0100 ARTIC WHITE SUBWAY TILE, FULL HT. HORIZONTAL RUNNING BOND INSTALLATION
22	12" COUNTER, FLOOR MOUNTED, 3"X3" SQUARE SINKET AND FLANGE, PAINTED TO MATCH STOREFRONT, COORD. COUNTER AND FINISH W/ OWNER, RE: A8/05/04
23	NON-THERM ALUMINUM WINDOW SYSTEM, RE: G8/05/04
24	COORDINATE UTILITY STUB-INS FOR FUTURE TENANT W/ OWNER PRIOR TO INSTALLATION, NEW SUE
25	FUTURE FOOD SERVICE COUNTER

GLASS LITE SCHED.

GLAZING TYPE	DESCRIPTION
G1	1/4" TEMPERED CLEAR GLAZING
G2	1/4" CLEAR GLAZING
G3	1/2" TEMPERED INSULATED CLEAR GLAZING

DOOR SCHED.
GENERAL NOTES

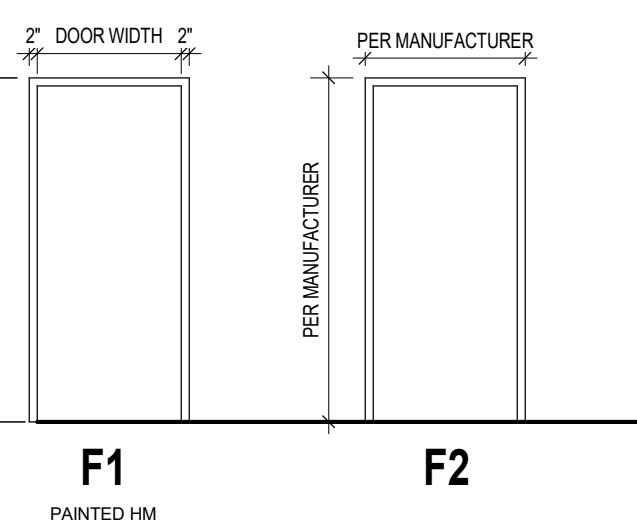
- HM REFERS TO HOLLOW METAL
- AL REFERS TO ALUMINUM
- WD REFERS TO WOOD
- SCWD REFERS TO SOLID CORE WOOD
- ALL EXTERIOR ALUMINUM DOORS & FRAMES ARE TO BE FINISHED TO MATCH ADJACENT ALUMINUM WINDOW FRAME, U.N.O.
- REFER TO SPECIFICATION FOR DOOR HARDWARE SET DESIGNATIONS.
- PROTECT ALL DOORS & FRAMES FROM DAMAGE THROUGHOUT CONSTRUCTION PHASES.

FLOOR PLANS, ENLARGED PLANS, AND DETAILS

DOOR SCHEDULE									
DOOR #	WIDTH	HEIGHT	ROOM NAME	TYPE	MATERIAL	DOOR FINISH	MATERIAL	FRAME FINISH	REMARKS
T100	3'-0"	7'-0"	BAR/DINING	EXIST	EXIST	COORD. W/ OWNER	EXIST	COORD. W/ OWNER	1, 2, 3, 5, 8
T101	3'-0"	7'-0"	DELI	D1	SCWD	ALUM/CLASS	D1	SCWD	1, 3, 6, 7
T103	3'-0"	7'-0"	ADA UNISEX RR	D1	SCWD	MATCH EXISTING STOREFRONT	WD		1, 3, 4
T104	PER EXISTING OPENING	PER EXISTING OPENING	POOL ROOM	D2	ALUM/CLASS	MATCH EXISTING STOREFRONT			3, 4, 5, 7
T105	3'-0"	7'-0"	MEP/TAP STORAGE	D1	SCWD		HM	PAINT	1, 3, 4, 8
T108A	3'-0"	7'-0"	UTILITY	D1	SCWD		HM	PAINT	1, 3, 6, 8
T108B	2'-10"	7'-0"	RESTROOM	D1	SCWD		HM	PAINT	1, 3, 8
T108D	3'-0"	7'-0"	RESTROOM	D1	SCWD		HM	PAINT	1, 3, 4, 8
T109	3'-0"	7'-0"	RESTROOM	D1	SCWD		HM	PAINT	1, 3, 8

DOOR SCHEDULE REMARKS:

- MATCH EXISTING MASTER KEYING SYSTEM. COORDINATE WITH BUILDING OWNER.
- MAINTAIN EXISTING HARDWARE.
- PROTECT DOOR AND FRAME FROM DAMAGE THROUGHOUT CONSTRUCTION. ANY DAMAGE TO BE REPAIRED/REPLACED PER OWNER DISCRETION.
- DOOR FRAME 2" OFF FINISHED FACE ON HINGE SIDE, U.N.O.
- PROTECT DOOR AND FRAME FROM DAMAGE THROUGHOUT CONSTRUCTION. ANY DAMAGE TO BE REPAIRED/REPLACED PER OWNER DISCRETION.
- MANUALLY LOCKABLE FROM INSIDE OF ROOM. MASTER KEY LOCK ON OUTSIDE OF ROOM.
- COORDINATE HARDWARE WITH MANUFACTURER.
- COORDINATE PAINT FINISH WITH OWNER.



FLUSH SCWD OR HM DOOR -SEE DOOR SCHEDULE.

ALUM W/ GL. LT. -SEE DOOR SCHEDULE.

ALUM W/ GL. LT. -SEE DOOR SCHEDULE.

FRAME TYPES

1/4" = 1'-0"

NOTE: 1. DOORS TO BE 1 3/4" THICK, UNLESS NOTED OTHERWISE ON DOOR SCHEDULE.

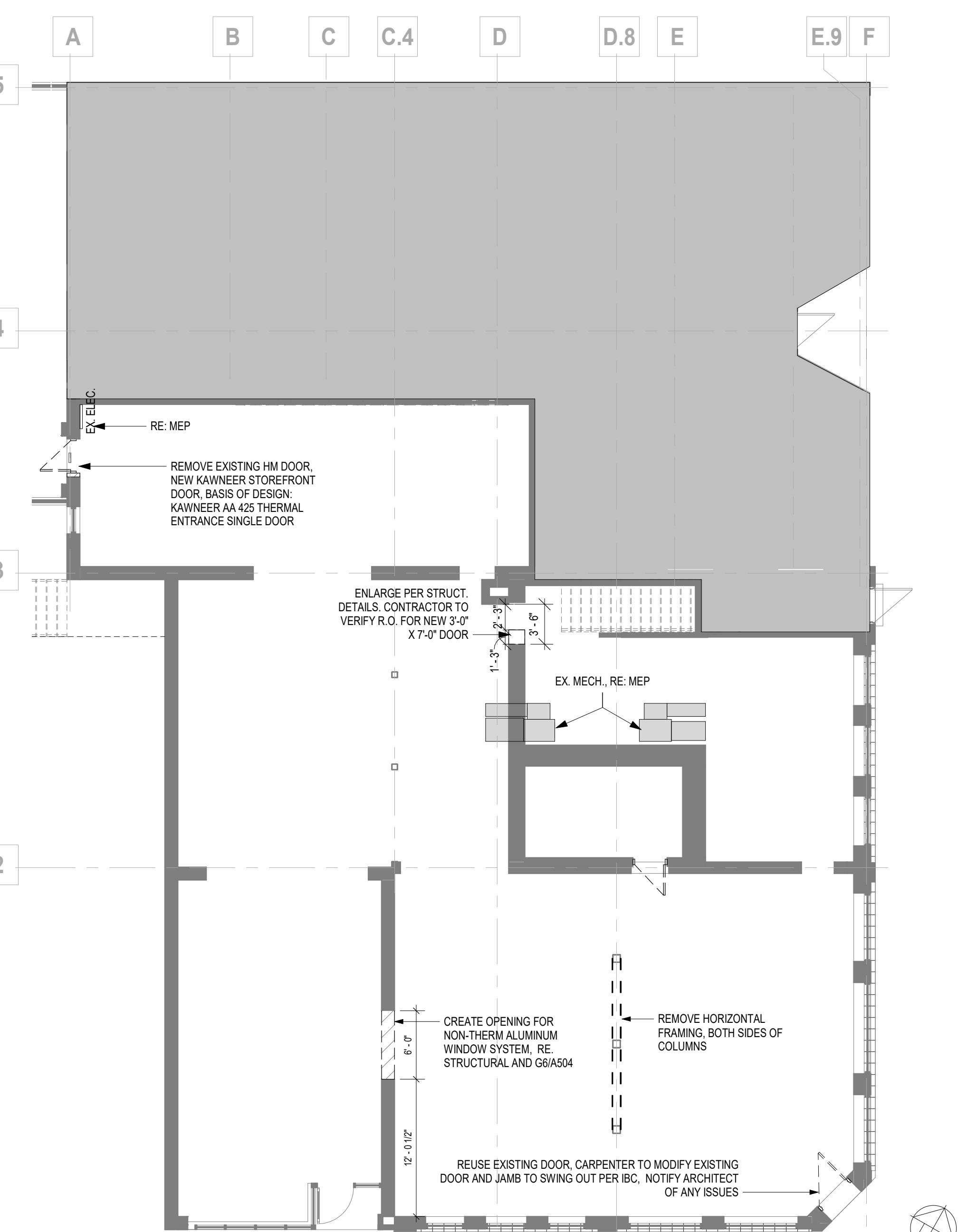
ACCESSORY SCHEDULE									
TYPE MARK	MANUFACTURER	DESCRIPTION	MODEL	WxHxD	FINISH	REMARKS			
1	BOBRICK WASHROOM EQUIPMENT, INC.	SOAP DISPENSER - SURFACE MOUNTED	B-2012	4-3/16", 10-17/32", 4-7/32"	SATIN				
2	BOBRICK WASHROOM EQUIPMENT, INC.	SURFACE MOUNTED PAPER TOWEL DISPENSER	B-262	10-3/4", 14", 4"	SATIN				
3	BOBRICK WASHROOM EQUIPMENT, INC.	VERTICAL GRAB BAR, 1-1/2" DIA., SS, 18"	B-6806-18	1-1/2" DIA X 18"	SATIN, WITH PEENED GRIP				
4	BOBRICK WASHROOM EQUIPMENT, INC.	GRAB BAR, 1-1/4" DIA., SS, 42"	B-5806-42	1-1/2" DIA X 42"	SATIN				
5	BOBRICK WASHROOM EQUIPMENT, INC.	DOUBLE ROLL TOILET TISSUE DISPENSER	B-6999	12-3/8", 4-3/4", 6-3/16"	STAINLESS STEEL				
6	BOBRICK WASHROOM EQUIPMENT, INC.	GRAB BAR, 1-1/2" DIA., SS, 36"	B-5806-36	1-1/2" DIA X 36"	SATIN				
7		MIRROR		24"X48"	SATIN				

ACCESSORY SCHEDULE GENERAL NOTES:

- ACCESSORIES SCHEDULE BASIS OF DESIGN, COORDINATE FINAL SELECTION WITH OWNER

ACCESSORY SCHEDULE REMARKS:

- MIRRORS TO BE CENTERED AT SINKS TYP.



1 1ST FLOOR DEMO PLAN - ITAP
1/8" = 1'-0"

A8 1ST FLOOR PLAN - ITAP
1/4" = 1'-0"

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GENERAL NOTES:
FLOOR PLANS

1. RE: GENERAL ARCHITECTURAL SHEETS FOR ADDITIONAL NOTES AND DETAILS THAT ARE APPLICABLE.

2. ARCHITECTURAL ELEVATION 10'-0".

3. DIMENSIONS SHOWN ON THE FLOOR PLAN ARE TO THE FLOOR GYPSUM BOARD, FLOOR, FACE OF MASONRY (FOMA) FACE OF CONCRETE WALLS (FCW) AND COLUMN GRID LINES UNLESS NOTED OR SHOWN OTHERWISE.

4. NOTE: THICKNESSES ARE ACTUAL DIMENSIONS AND PER CONTRACTOR TO VERIFY.

5. DOOR OPENINGS NOT LOCATED BY DIMENSION SHALL BE CENTERED IN WALL SHOWN OR LOCATED 4 INCHES FROM FINISH WALL TO HINGE SIDE OF DOOR, ALWAYS ALIGN HINGE SIDE OF DOOR TO THE PULL SIDE (STRIKE SIDE) OF THE DOOR TO THE INTERSECTING WALL, OR OTHER PROTRUDING OBJECTS.

6. ALL ALCOVES WITHOUT A SPACE IDENTIFICATION NUMBER SHALL HAVE THE SAME FINISHES AS THE ADJOINING SPACES.

7. PROVIDE FINISH LEVELS AS DESCRIBED:

ALL WALLS TO BE BROUGHT UP TO LEVEL 4 FINISH.

AREAS FOR BACK OF HOUSE EMPLOYEE OPERATIONS WHERE ROOM SIDE WALLS AND/OR CEILINGS HAVE PAINTED SURFACES.

COMMON CIRCULATION CORRIDORS WHERE ROOM SIDE WALLS AND/OR CEILINGS HAVE PAINTED SURFACES.

STAIR ENCLOSURES, STAIR TOWERS, EXIT PASSAGEWAYS AND EXTERIOR STAIRS ARE COORDINATED FOR PHASE OF WORK PER MATRIX AND PROJECT SCOPING.

MANTAIN AND PROTECT EXISTING EXPANSION JOINTS DURING CONSTRUCTION. PATCH/REPAIR JOINTS TO MAINTAIN EXPANSION JOINTS AS REQUIRED ON THE SHELL PORTION OF PROJECT.

CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH ALL APPLICABLE BUILDING CODES, LOCAL RULES, AND REGULATIONS, AND LOCAL CONTRACTOR NEGOTI

ITAP - LEES'S SUMMIT

228 SW MAIN ST.
LEE'S SUMMIT, MO 640

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WEBB
TURE, LLC

DATES. _____

NAI SEAL

502

27 FEB 2023

COLLING WEDD #. 22000

PROVIDE BLOCKING FOR
OWNER PROVIDED,
CONTRACTOR INSTALLED
LIBRARY LADDER

LED STRIP LIGHT, COORD, W/ STAINLESS STEEL MENU BOARD

STAINLESS STEEL MENU
BOARD, BY OWNER,
CONTRACTOR INSTALLED,
PROVIDE BLOCKING AS

3/4" FINISH WHITE OAK
PLYWOOD, COORD. WHITE
OAK STAIN W/ OWNER

2"X2", BLOCKING —

LED STRIP LIGHT

TYPE

A12 BAR MENU

ELECTRICAL OUTLETS IN CEILING ABOVE OWNER PROVIDED, CONTRACTOR INSTALLED TVS TYP., RE. ELECTRICAL, OUTLET COVER TO MATCH CEILING COLOR

This architectural cross-section diagram illustrates the construction of a wall assembly. The wall is built in layers, starting with a base of 3/4" WHITE OAK PLYWOOD. Above this is a layer of 3/4" WHITE OAK PLYWOOD. The main structure is a 3/4" thick wall, with a central vertical opening. The top of the wall is a horizontal board. The diagram includes several assembly instructions and callouts:

- ALIGN F.F. OF WHITE OAK W/ EDGE OF EXISTING OPENING**: A callout pointing to the central vertical opening.
- ALIGN**: A callout pointing to the bottom of the wall assembly.
- 30' - 3"**: The total width of the wall assembly.
- 4' - 6 1/4"**: The height of the central vertical opening.
- 9"**: The height of the top horizontal board.
- 3/4" WHITE OAK PLYWOOD**: Labels for the two layers of plywood at the base and middle of the wall.
- F.F. OF WHITE OAK TO BE ALIGN W/ EDGE OF EXISTING TRIM**: A callout pointing to the right side of the wall.

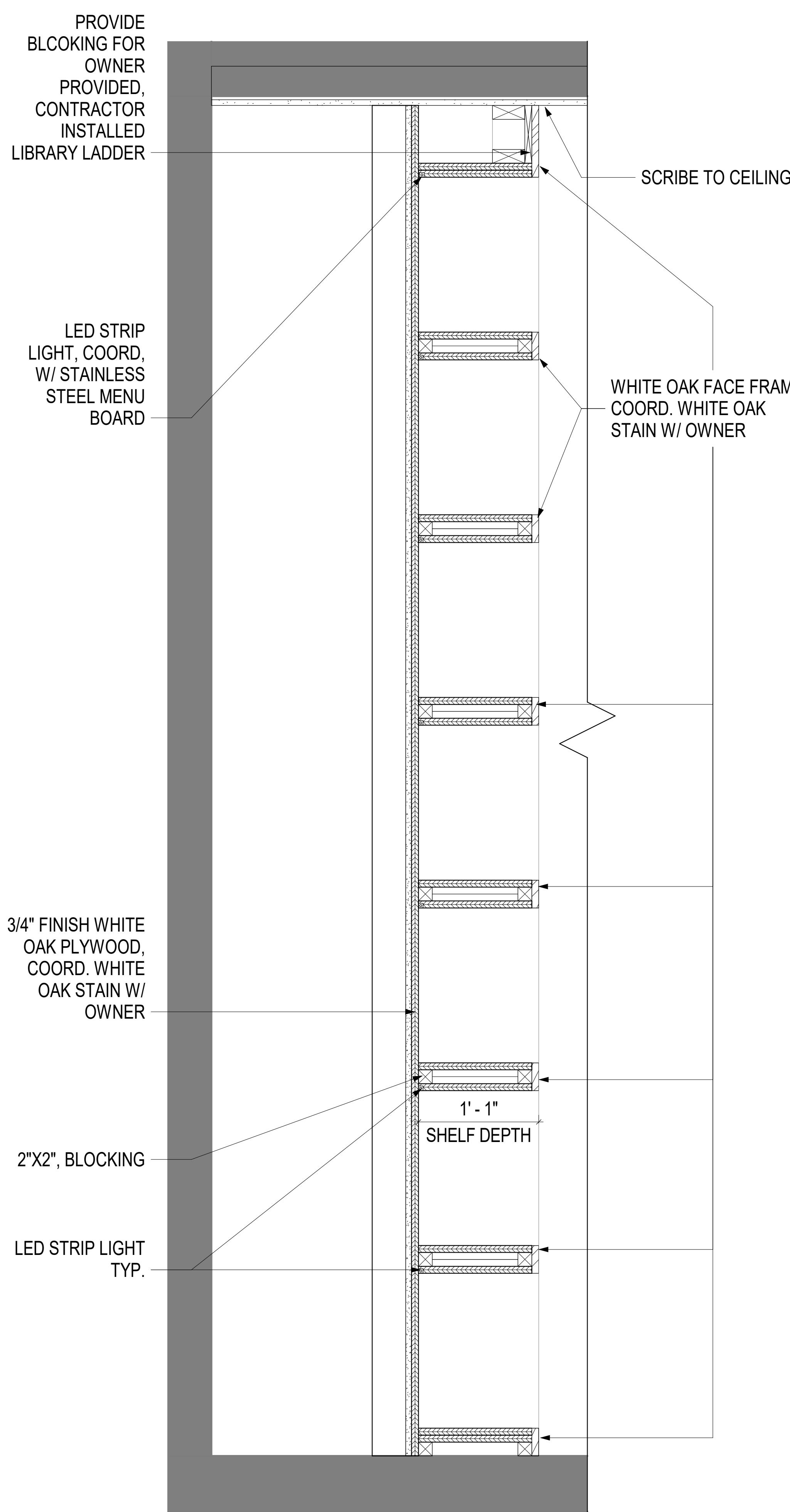
Callouts and labels include:

- A12 A502
- A8 A503
- A4 A503
- G7 A502
- A502
- A8 A503
- ALIGN F.F. OF WHITE OAK W/ EDGE OF EXISTING OPENING
- ALIGN
- 30' - 3"
- 4' - 6 1/4"
- 9"
- 3/4" WHITE OAK PLYWOOD
- F.F. OF WHITE OAK TO BE ALIGN W/ EDGE OF EXISTING TRIM

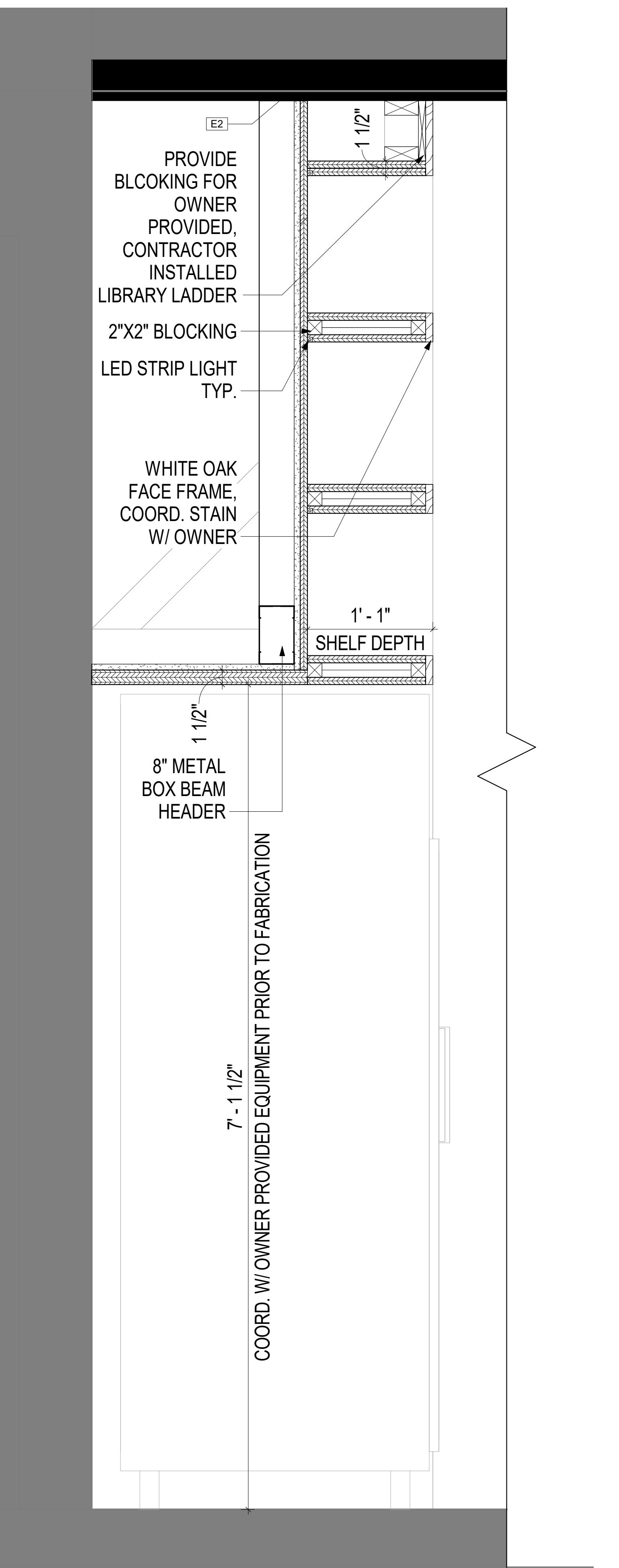
D7 COOLER AND BOURBON SHELVES

$1/2" = 1'-0"$

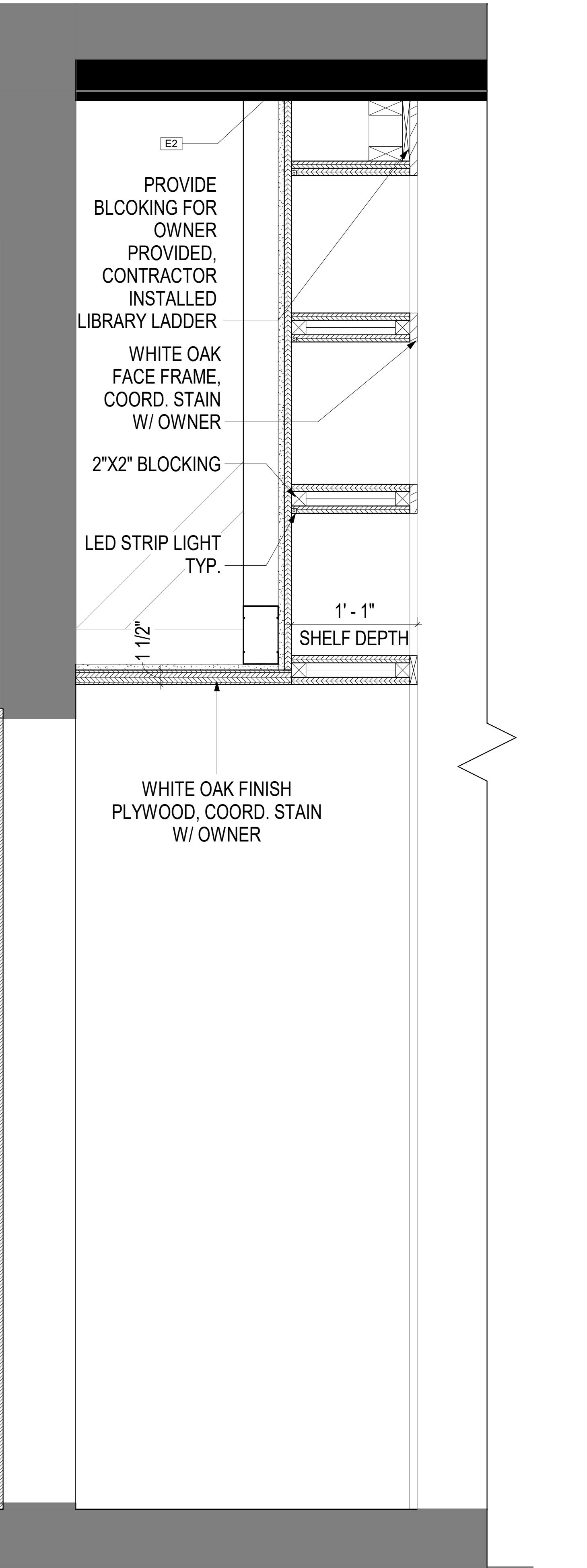
A7 COOLER AND BOURBON SHELF



A12 Section 43
1 1/2" = 1'-0"



A8 REACH-IN COOLER W/ SHELVES ABOVE
1 1/2" = 1'-0"



A4 WALK-IN COOLER OPENING AND SHELVES
1 1/2" = 1'-0"

RAL NOTES - SELECTED G PLANS:

G001 FOR ADDITIONAL GENERAL
AT ARE APPLICABLE.
NS SHOWN ON THE REFLECTED
ANS ARE TO THE FACE OF GYP.
OG), AND COLUMN GRID LINES,
OTED OR SHOWN OTHERWISE.
GS TO BE 9'-0" A.F.F., UNLESS NOTED
E.
G HEIGHTS AS SHOWN ON PLANS
LS ARE FROM SLAB OR TILE FLOOR
(FLOOR) TO FINISH CEILING.
P. BD. SOFFITS: EXTEND GYP. BD. UP
ABOVE ADJACENT CEILING.
LS FOR ADDITIONAL CONDITIONS AND
EIGHT INFORMATION.
LEGEND AND FINISH SCHEDULE FOR
LING FINISHES.
LES/GRID TO BE CENTERED IN THE
LESS NOTED OTHERWISE.
D LIGHTING, SPEAKERS, SMOKE
RS, ETC. AND PENDANT LIGHT
- SHALL BE CENTERED IN CEILING
P. BD. CEILING, UNLESS NOTED
E.
OR ELEVATIONS FOR LOCATION OF
NTED LIGHT FIXTURES.
RICAL SHEETS AND SPECIFICATIONS
LED INFORMATION ON LIGHT
CHEDULE.
ANICAL SHEETS AND SPECIFICATIONS
LED INFORMATION ON DIFFUSERS.
TE ALL PENDANT MOUNTED LIGHT
IN EQUIPMENT AREAS WITH
STRUCTURE.
TE ALL CEILING MOUNTED
T WITH CASEWORK BELOW.
S A CONFLICT BETWEEN ANY ABOVE-
ECHANICAL / ELECTRICAL /
WORK & THE SCHEDULED OR
EILING HEIGHT, CONTACT THE
T IMMEDIATELY FOR CLARIFICATION.
I DWGS FOR LOCATIONS OF SOUND
BELOW AND OR AROUND
IPMENT.
OVERALL CEILING COORDINATION
SHOWING ALL DEVICES DURING
MITTAL PROCESS.

PLAN LEGEND

NOT BE USED IN THIS PROJECT.

	<u>WOOD VISUAL</u> WC-5A OR WC-5B / PRICE BOTH MATERIALS FOR CLIENT APPROVAL
	5/8" GYPSUM BOARD BULKHEAD, CEILING OR SOFFIT. SEE APPLICABLE DETAILS AND SECTIONS.
	RECESSED CAN LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR TYPE.
	BASIS OF DESIGN: CSL ENTITY - 25W LED CYLINDER, MATTE BLACK, SURFACE MOUNTED, CENTERED ON JOIST TYP, U.N.O., FINAL FIXTURE SELECTION BY OWNER, RE. ELECTRICAL FOR TYP.
	SUSPENDED OR MOUNTED SIGNIFY DAY-BRITE CFI LINEAR 4' SDS SELECTABLE STRIP LIGHT SEE ELECTRICAL DRAWINGS FOR TYPE.
	LIGHT BAR WALL SCONCE, BASIS OF DESIGN: KUZCO - 30"L INTERLUX 20 LINEAR SURFACE, MODEL #WG-20LDL-SM, BLACK, FINAL FIXTURE SELECTION BY OWNER, MOUNTED HORIZONTALLY, CENTER ABOVE MIRROR AND SINKS
	BASIS OF DESIGN: NEMO ZIRKOL- C, HOME 59", BLACK, BOTTOM OF FIXTURE @ 9' - 0", FINAL FIXTURE SELECTION BY OWNER, RE. ELECTRICAL FOR TYP.
	BASIS OF DESIGN: NEMO ZIRKOL- C, HOME 39.4", BLACK, BOTTOM OF FIXTURE @ 9' - 0", FINAL FIXTURE SELECTION BY OWNER, RE. ELECTRICAL FOR TYP.
	BASIS OF DESIGN: RP LIGHTING 7606 6' BLACK TRACK W/ 7554 BLACK LED TRACK HEADS, MOUNTED, FINAL FIXTURE SELECTION BY OWNER, RE. ELECTRICAL FOR TYP.
	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

MTL. C-JOIST TO MATCH STUD LAYOUT AT 16" O.C.

BASIS OF DESIGN: 1/4"
WHITE OAK, COORD.
STAIN W/ OWNER

METAL RUNNER TOP AND BTM METAL STUD



BASIS OF DESIGN: GYP TO BE PAINTED TO MATCH CEILING

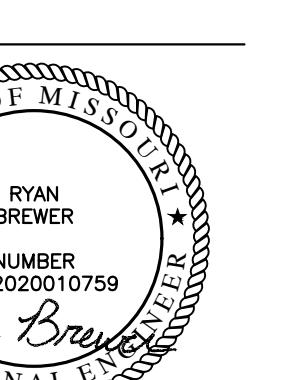
D.8

GENERAL NOTE: ALL EXPOSED CEILING CONDUIT TO BE PAINTED TO MATCH CEILING

A12 BAR CANOPY
1 1/2" = 1'-0"

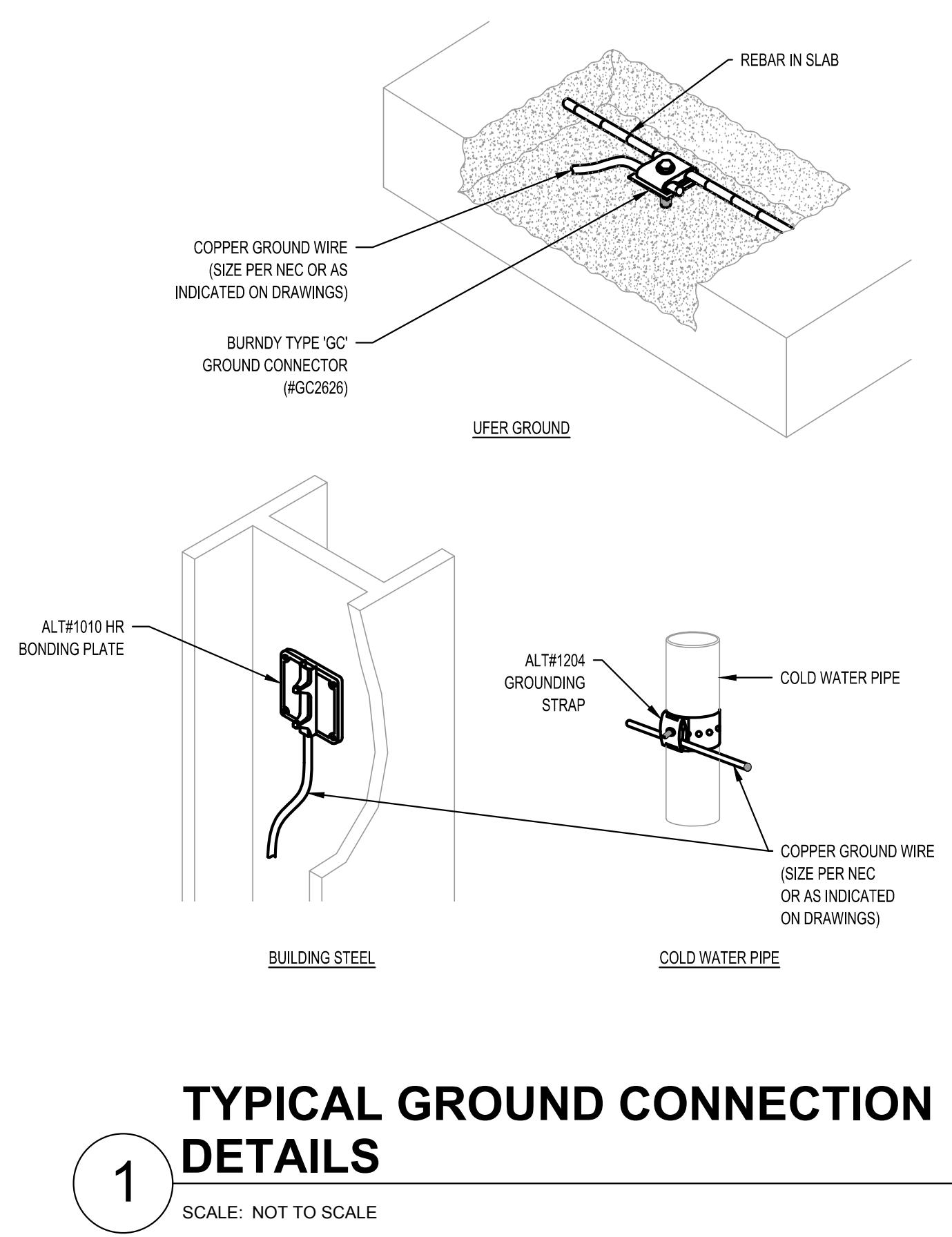
8 OVERALL RCP - UPPER LEVEL

FFECTED CEILING PLAN

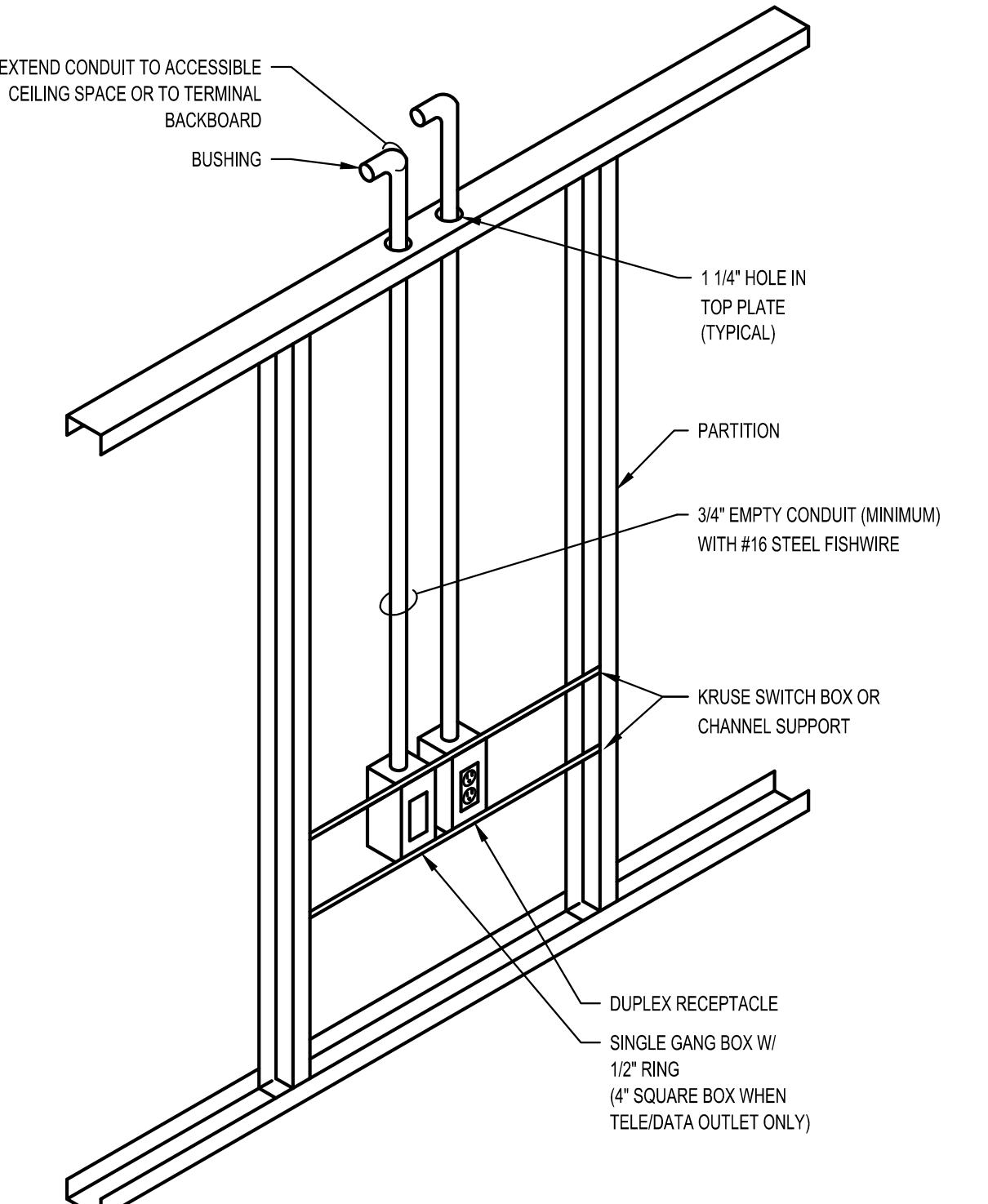


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ISSUE DATE: 27 FEB 2023
COLLINS WEBB #: 22066

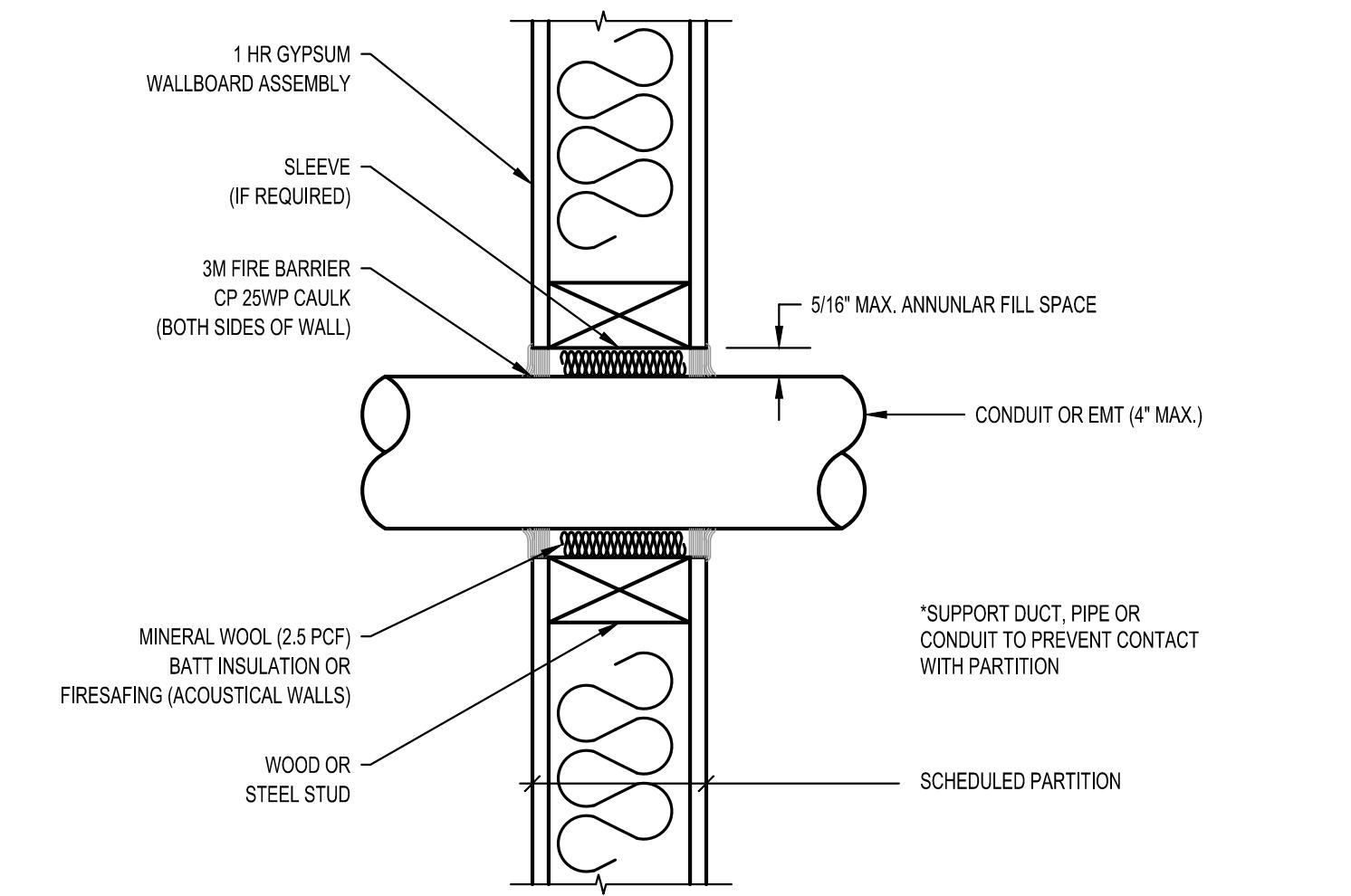
ELECTRICAL DETAILS



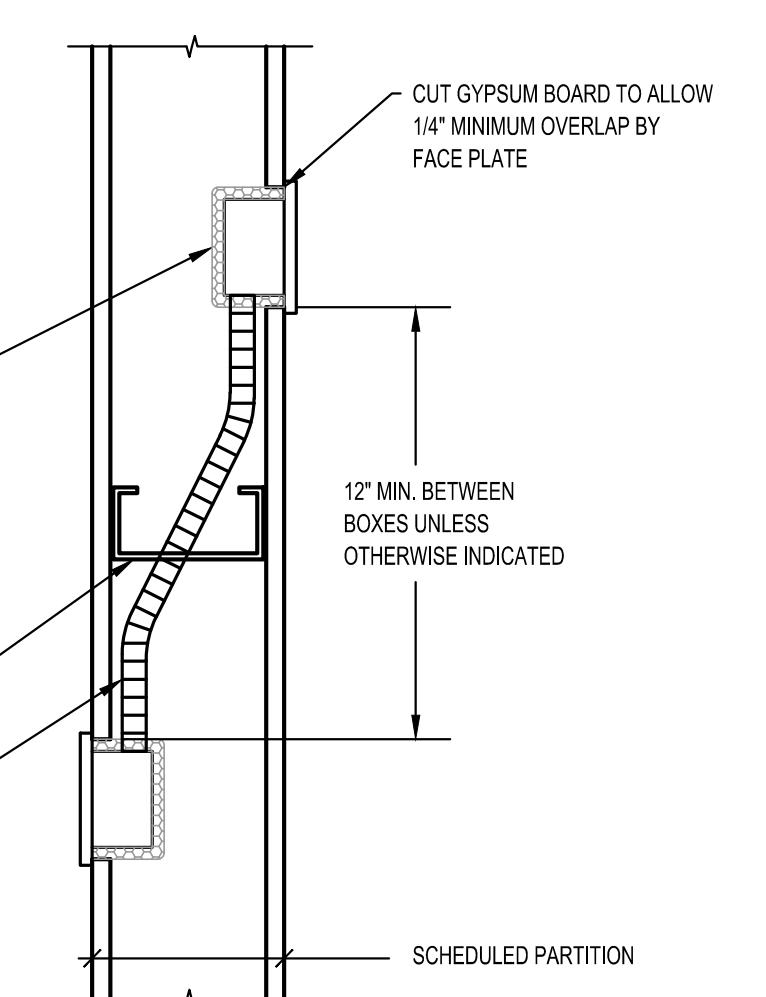
TYPICAL GROUND CONNECTION DETAILS
1
SCALE: NOT TO SCALE



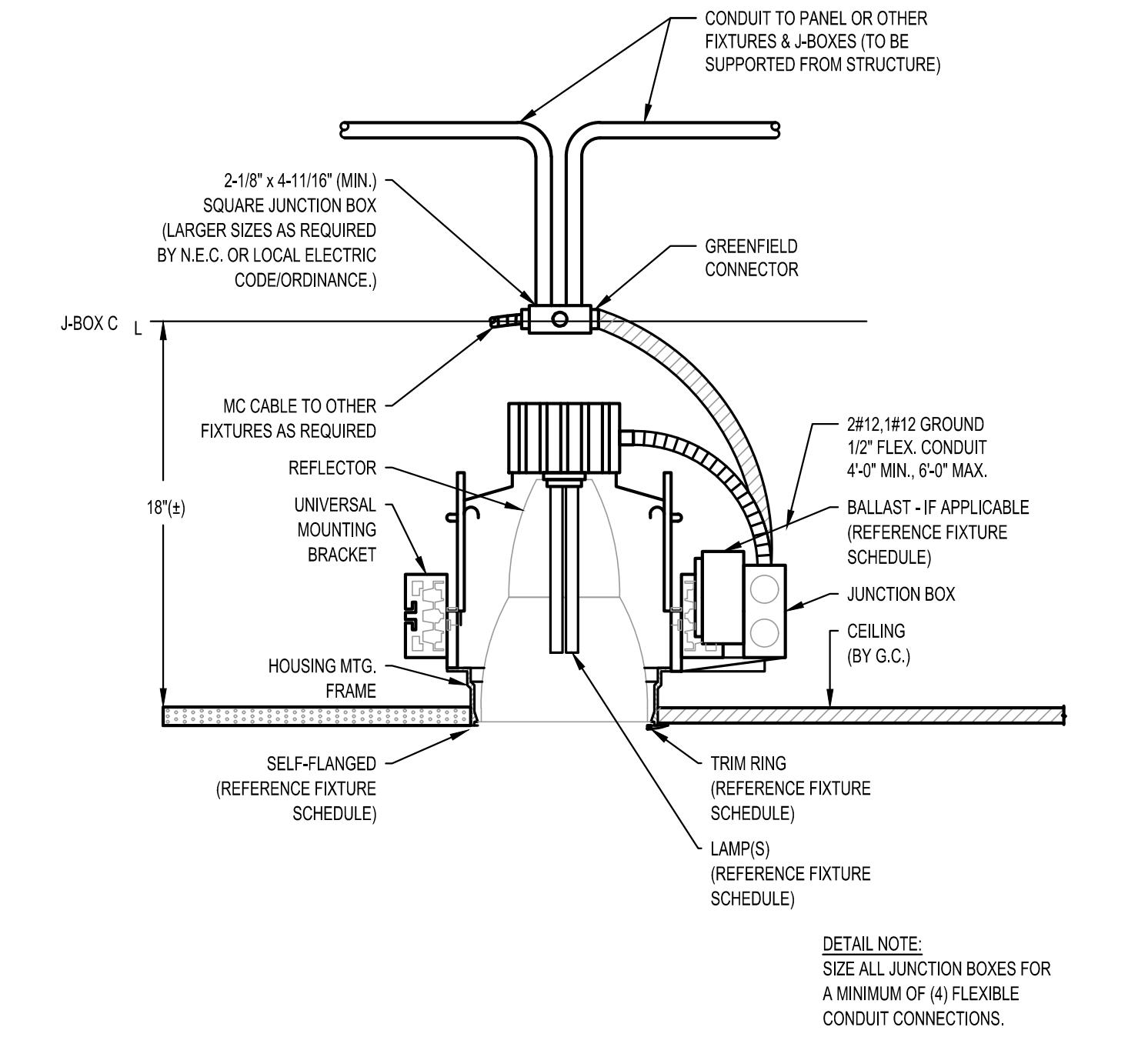
OUTLET IN HOLLOW PARTITION
2
SCALE: NOT TO SCALE



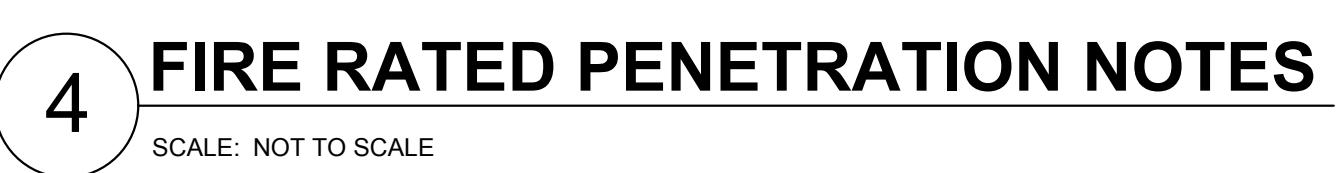
TYPICAL FIRE RATED PENETRATION THROUGH A GYP WALL ASSEMBLY
3
SCALE: NOT TO SCALE



BACK-TO-BACK BOX ARRANGEMENT FOR NOISE CONTROL
5
SCALE: NOT TO SCALE

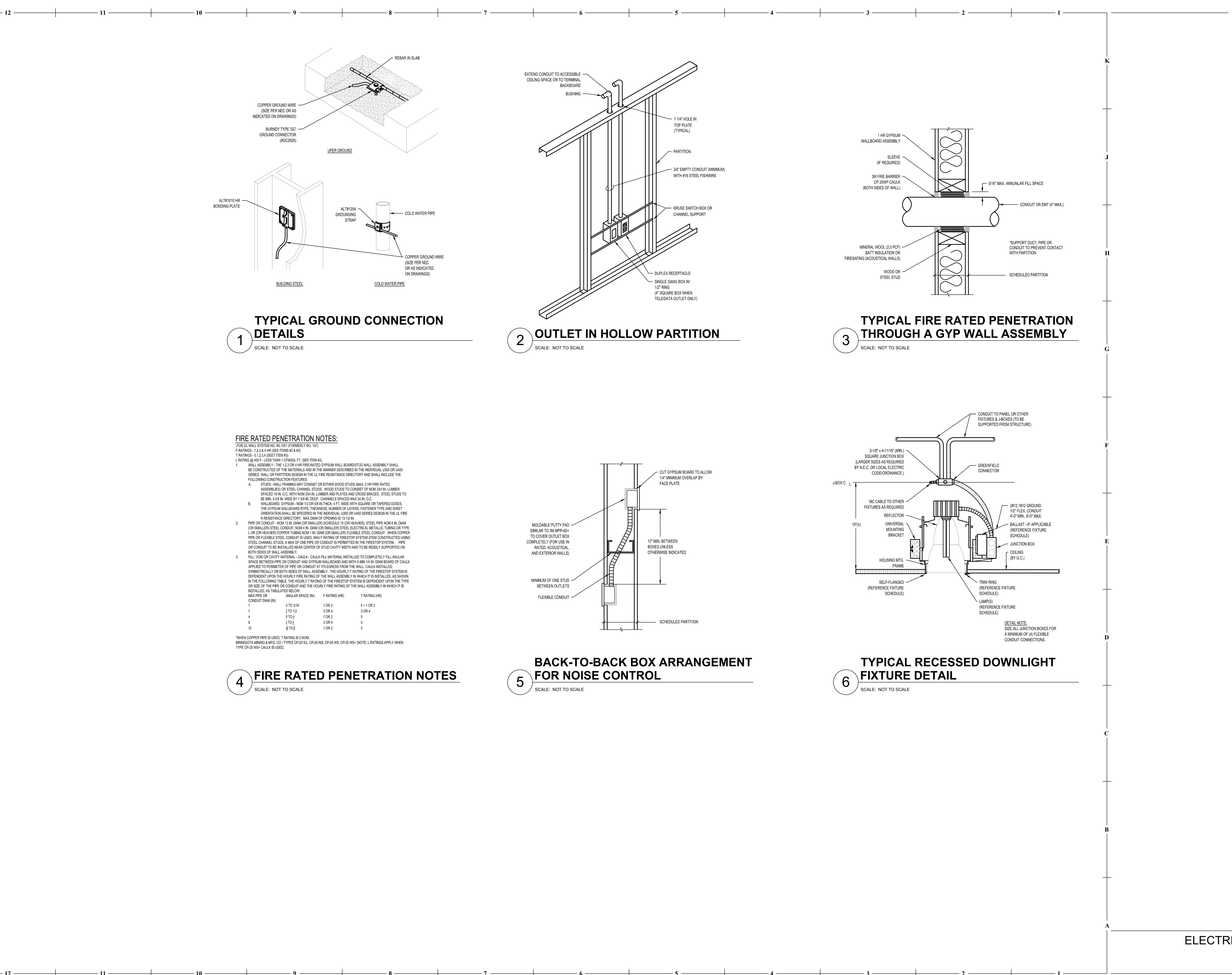


TYPICAL RECESSED DOWNLIGHT FIXTURE DETAIL
6
SCALE: NOT TO SCALE



"WHEN COPPER PIPE IS USED, T RATING IS 0 NOM. MINNESOTA MINING & MFG. CO - TYPES CP-25 S/L, CP-25 N8, CP-25 WS - (NOTE: L RATINGS APPLY WHEN TYPE CP-25 WS - CAULK IS USED)."

FIRE RATED PENETRATION NOTES
4
SCALE: NOT TO SCALE

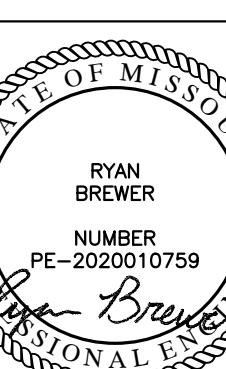


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REVISION DATES:



E201

ISSUE DATE: 27 FEB 2023
COLLINS WEBB #: 22066

GENERAL NOTES

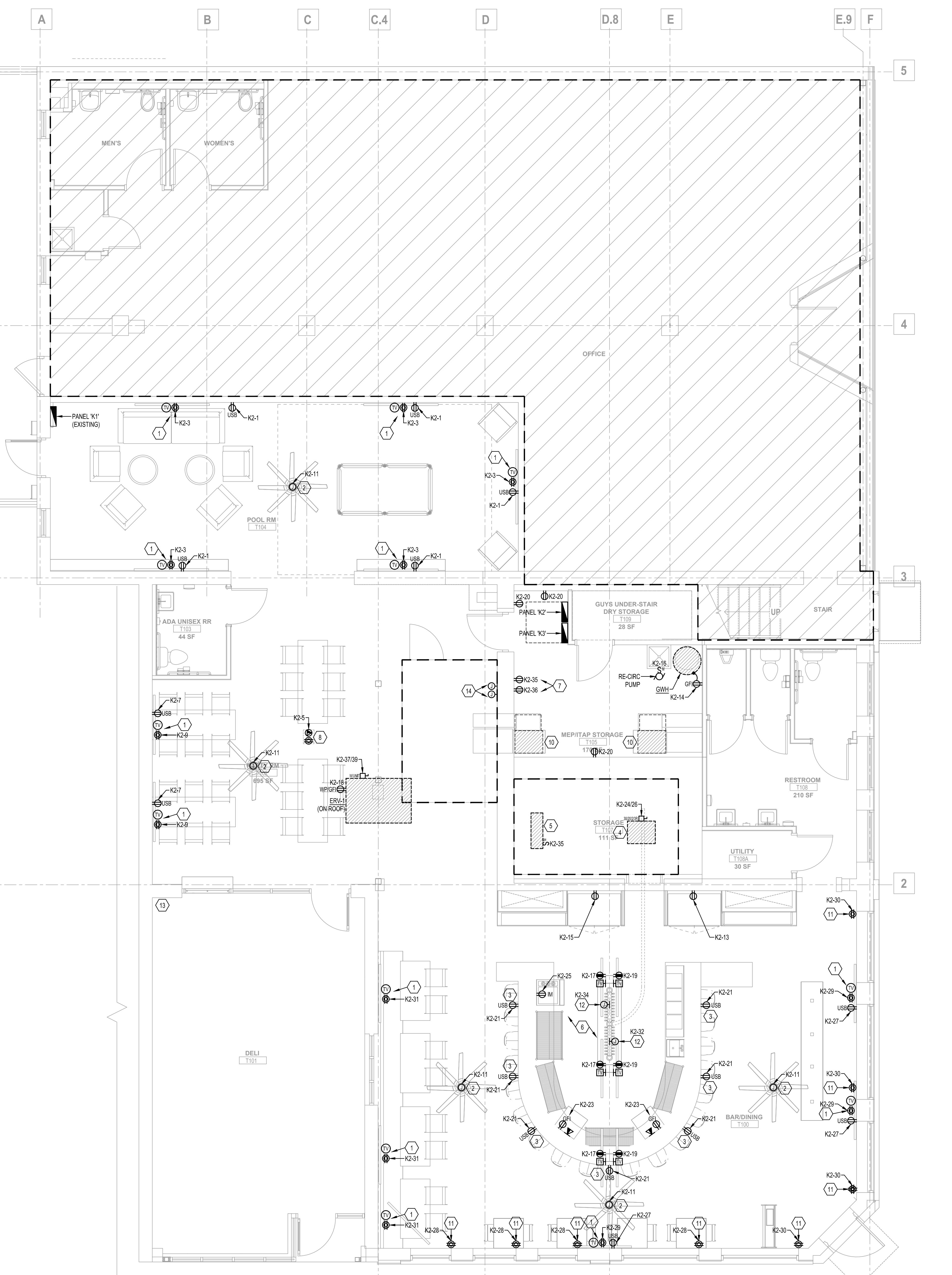
1. REFERENCE SHEET E101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFERENCE SHEET E102 FOR ELECTRICAL DETAILS.
3. COORDINATE MOUNTING HEIGHTS AND LOCATIONS FOR ALL DEVICES WITH ARCHITECT AND/OR INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.

KEYED NOTES:

1. OVERHEAD POWER AND DATA FOR TV. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
2. POWER FOR OVERHEAD FANS. VERIFY EXACT LOCATION AND EXACT CONTROL REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
3. RECEPTACLE TO BE MOUNTED ON FACE OF BAR BELOW COUNTER. COORDINATE EXACT LOCATION WITH EQUIPMENT SUPPLIER AND OWNER PRIOR TO ROUGH-IN. RECEPTACLES TO BE SILVER COLOR WITH STAINLESS STEEL COVER PLATE.
4. CONDENSING UNIT FOR WALK-IN COOLER. FIELD VERIFY EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
5. EVAPORATOR FOR WALK-IN COOLER. FIELD VERIFY EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
6. FIELD VERIFY EXACT CONNECTION REQUIREMENTS OF ALL BAR EQUIPMENT WITH OWNER PRIOR TO ROUGH-IN.
7. POWER FOR GLYCOL SYSTEM AND CO2/NUITROGEN BLENDER. FIELD VERIFY EXACT ELECTRICAL REQUIREMENTS AND LOCATION PRIOR TO ROUGH-IN.
8. POWER AND DATA FOR OVERHEAD PROJECTOR. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
9. FIELD VERIFY EXACT CONNECTION REQUIREMENTS OF ALL KITCHEN EQUIPMENT WITH OWNER PRIOR TO ROUGH-IN.
10. EXISTING FURNACE AND ASSOCIATED CONDENSING UNIT TO REMAIN.
11. PROVIDE CEILING MOUNTED SHOW WINDOW RECEPTACLE WITHIN 18" OF THE TOP OF THE WINDOW AS REQUIRED PER NEC 210.62. FIELD COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. RECEPTACLES SHOULD BE LOCATED ON THE DAY-BEFORE DAY. REFER TO DETAIL 2 ON SHEET E102 FOR ADDITIONAL INFORMATION.
12. POWER FOR UNDER-COUNTER GLASS WARMER. FIELD VERIFY EXACT ELECTRICAL REQUIREMENTS AND LOCATION PRIOR TO ROUGH-IN.
13. STUB (20) 3/4" EMPTY CONDUITS WITH PULL STRINGS FROM PANEL K3 LOCATION INTO THIS SPACE FOR FUTURE TENANT BRANCH CIRCUITING.
14. PROVIDE JUNCTION BOX ON BRICK WALL WITH 3/4" CONDUITS AND PULL STRINGS STUBBED INTO THE MECHANICAL ROOM FOR WALK-IN COOLER CIRCUITS FOR FUTURE TENANT.

1 ELECTRICAL POWER PLAN

SCALE: 1/4" = 1'-0"



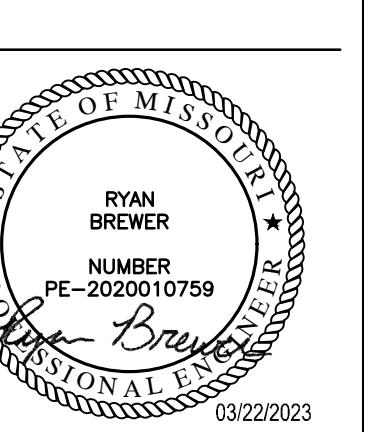
ELECTRICAL POWER PLAN

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CITY COMMENTS 03/22/23



PROFESSIONAL SEAL

E301

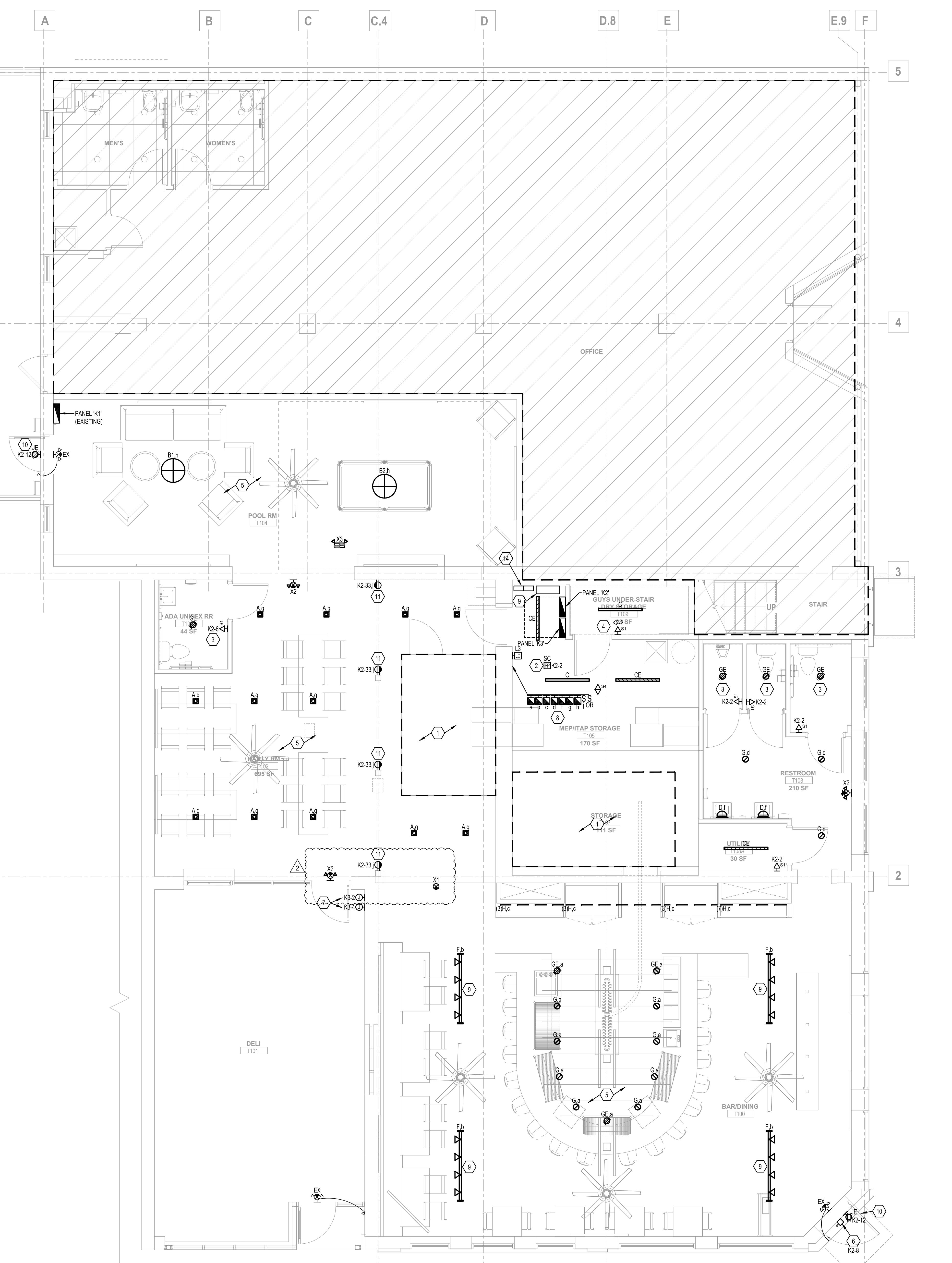
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COLLINS WEBB #: 22066

GENERAL NOTES (NOT ALL NOTES APPLY)

1. REFERENCE SHEET E101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFERENCE SHEET E102 FOR ELECTRICAL DETAILS.
3. COORDINATE MOUNTING HEIGHTS AND LOCATIONS FOR ALL DEVICES WITH ARCHITECT AND/OR INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.
4. CIRCUIT NUMBERS TO NEAREST EMERGENCY LIGHTING CIRCUIT (OR NEAREST LIGHTING CIRCUIT IF NO GENERATOR).
5. VERIFY ALL EXISTING BRANCH CIRCUITING. CONTRACTOR SHALL WIRE FIXTURES IN ACCORDANCE WITH SWITCHING INDICATED. CONNECTED LOAD ON 277V-20A CIRCUITS SHALL NOT EXCEED 4000W. 120V-20A CIRCUITS SHALL NOT EXCEED 1800W.
6. CIRCUIT NUMBERS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO ENSURE EXISTING CIRCUITS ARE LOCATED AND EXISTING TO REMAINING FIXTURES SHALL BE REFURBISHED AND CLEANED. REPLACE BAD BALLASTS/DRIVERS AS WELL AS DIM, OR BURNED OUT LAMPS. LAMP COLOR AND WATTAGE TO MATCH EXISTING.
7. FIXTURES LABELED 'EX' ARE EXISTING FIXTURES TO REMAIN.

KEYED NOTES:

1. LIGHTING IN THIS AREA IS INTEGRAL TO WALK-IN COOLER UNIT. LIGHTING CONTROL INTENT FOR THIS AREA IS FOR FIXTURES TO BE MANUAL ON/AUTO OFF VIA OCCUPANCY SENSOR WITH MANUAL OVERRIDE AVAILABLE VIA THE LOW-VOLTAGE CONTROL STATION.
2. LIGHTING CONTROL INTENT FOR THIS AREA IS FOR FIXTURES TO BE AUTO ON/AUTO OFF VIA OCCUPANCY SENSOR WITH MANUAL OVERRIDE AVAILABLE VIA THE OCCUPANCY SENSOR SWITCH.
3. LIGHTING CONTROL INTENT FOR THIS AREA IS FOR FIXTURES TO BE MANUAL ON/AUTO OFF VIA OCCUPANCY SENSOR WITH MANUAL OVERRIDE AVAILABLE VIA THE OCCUPANCY SENSOR SWITCH.
4. LIGHTING CONTROL INTENT FOR THIS AREA IS FOR FIXTURES TO BE MANUAL ON/AUTO OFF VIA OCCUPANCY SENSOR WITH MANUAL OVERRIDE AVAILABLE VIA THE OCCUPANCY SENSOR SWITCH.
5. LIGHTING CONTROL INTENT FOR THIS AREA IS FOR FIXTURES TO BE ON/OFF VIA TIME-OF-DAY SCHEDULE WITH MANUAL OVERRIDE AVAILABLE VIA THE WALL BOX DIMMER SWITCH.
6. PROVIDE NEMA 3R, LOCKABLE DISCONNECT SWITCH FOR EXTERIOR SIGNAGE. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. CONTROL INTENT IS FOR SIGNAGE TO BE ON/OFF VIA TIME-OF-DAY SCHEDULE THRU TIMECLOCK. REFER TO DETAIL 2 (THIS SHEET) FOR ADDITIONAL INFORMATION.
7. PROVIDE 1P-20A CIRCUIT CAPED IN JUNCTION BOX FOR FIXTURE TENNIS LIGHTING.
8. MANUFACTURER'S LIGHTING CONTROL SWITCHBANK. FIELD VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. REFER TO DETAIL 2 (THIS SHEET) FOR ADDITIONAL INFORMATION.
9. PROVIDE ISOLITE #3MINI-250VAC/LCM (OR EQUAL) FOR EMERGENCY BACKUP OF BAR AREA TRACK LIGHTING (SWITCHES '1'). CONTROL INTENT IS FOR FIXTURES TO EMERGENCY ON/OFF VIA TIME-OF-DAY SCHEDULE WITH MANUAL OVERRIDE FROM THE WALL BOX DIMMER. DURING LOSS OF NORMAL POWER, FIXTURES SHALL ENERGIZE FULL ON.
10. EXTERIOR LIGHTING TO BE ON/OFF VIA TIME-OF-DAY SCHEDULE.
11. SWITCHED RECEPTACLE FOR STRING LIGHTING. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. CONTROL INTENT IS FOR THE RECEPTACLES TO ENERGIZE ON/OFF VIA TIME-OF-DAY SCHEDULE.
12. PROVIDE WALL BOX DIMMER SIMILAR TO LUTRON DIVA SERIES (OR EQUAL). FIELD VERIFY COMPATIBILITY OF FIXTURES WITH WALL BOX DIMMER PRIOR TO ORDERING.
13. PROVIDE STANDARD TOGGLE SWITCH.
14. TIME SWITCH AND LIGHTING CONTACTORS FOR LIGHTING CONTROLS. REFER TO LIGHTING CONTROLS DETAIL (THIS SHEET) FOR ADDITIONAL INFORMATION.

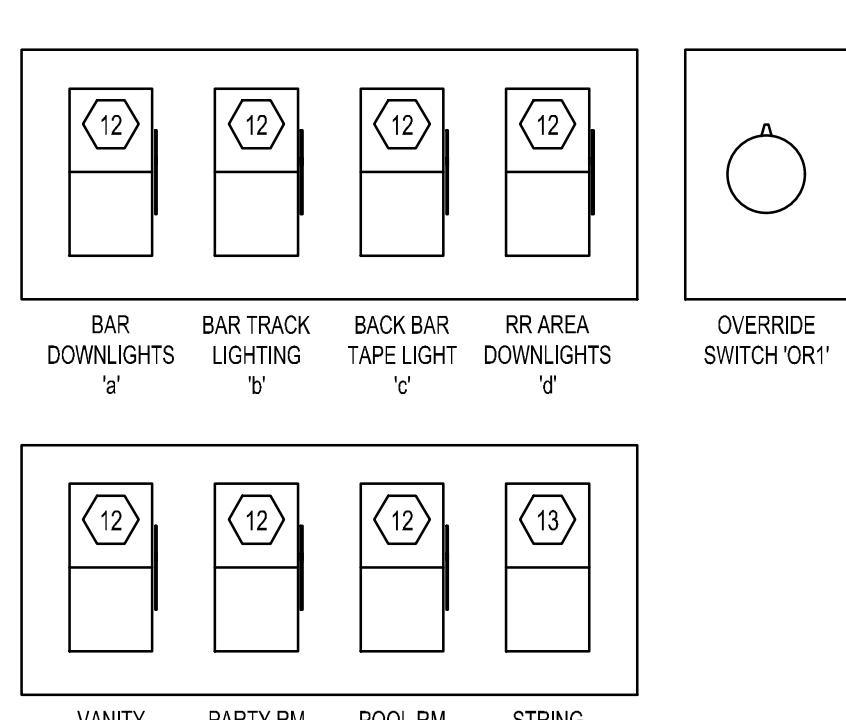


ELECTRICAL LIGHTING PLAN

SCALE: 1/4" = 1'-0"

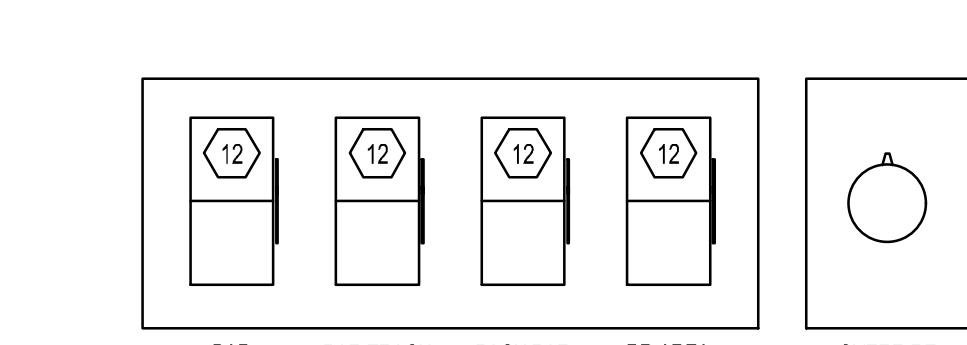
OVERVIEW SWITCHBANK DETAIL

SCALE: NO SCALE



LIGHTING CONTROLS DETAIL

SCALE: NO SCALE



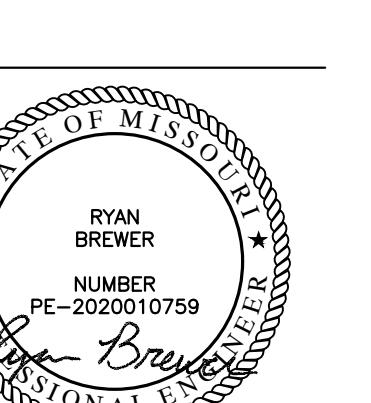
NOTE:

THIS DETAIL IS SCHEMATIC IN NATURE. PROVIDE ALL WIRING, COMPONENTS AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL LIGHTING CONTROL SYSTEM.

LIGHTING CONTROL KEYED NOTES:

1. PROVIDE TORK DIGITAL SERIES, MODEL DGLC2004-NC (2-CHANNEL) TIMECLOCK (OR EQUAL). COORDINATE TIME-OF-DAY SCHEDULES WITH OWNER.
2. PROVIDE SQUARE D MODEL 8803 ELECTRICALLY HELD LIGHTING CONTACTORS (LC1 & LC2) WITH POLE COUNT AS REQUIRED.
3. PROVIDE PARACON 45W/24V 4-HOUR SPRING WOUND OVERRIDE SWITCH (OR EQUAL).
4. PROVIDE NEMA 3R ENCLOSURE TO HOUSE ALL CONTACTORS INDICATED.
5. REMOTE MANUAL SWITCHES, REFER TO LIGHTING PLAN FOR ADDITIONAL INFORMATION.

12	11	10	9	8	7	6	5	4	3	2	1
K										K	
J										J	
H										H	
G										G	
F										F	
E										E	
D										D	
C										C	
B										B	
A										A	
12	11	10	9	8	7	6	5	4	3	2	1



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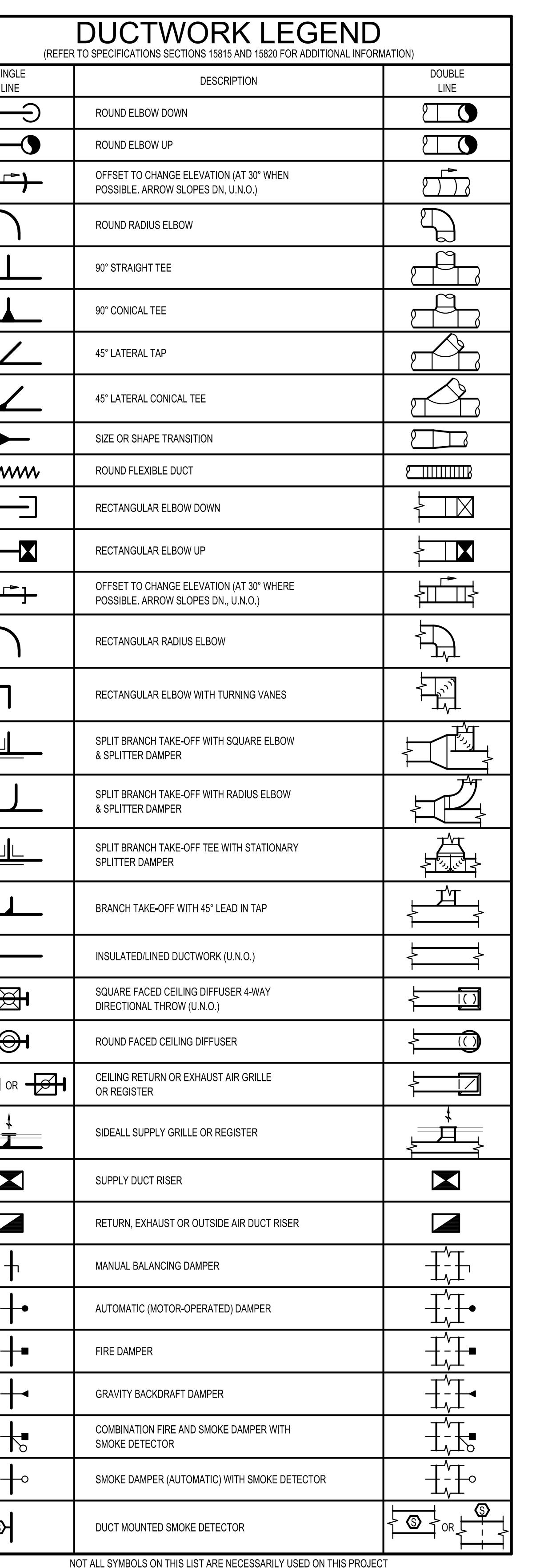
MECHANICAL NOTES,
SYMBOLS & ABBREVIATIONS

MECHANICAL ABBREVIATIONS	
(ALPHABETICAL BY ABBREVIATION)	
ABV	ABOVE
AC OR ACU	AIR-CONDITIONING UNIT
AHAP	AS HIGH AS POSSIBLE
AHU	AIR-HANDLING UNIT
AUTO	AUTOMATIC
BLW	BELOW
C	CHILLER
CD	CONDENSATE
CF	CABINET FAN
CFM	CUBIC FEET PER MINUTE
CH	CABINET HEATER
CHP	CHILLED WATER PUMP
CLNG OR CLG	CEILING
CONC	CONCRETE
CP OR CWP	CONDENSER WATER PUMP
CS	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
CRAC OR CACU	COMPUTER ROOM AIR-CONDITIONING UNIT
CREF	CHILLER ROOM EXHAUST FAN
CRU	CONDENSATE (STEAM) RETURN UNIT
CT	COOLING TOWER CELL
CTU	CONDENSATE (STEAM) TRANSFER UNIT
CU	CONDENSING UNIT
DV	CONSTANT VOLUME TERMINAL BOX
DEF	DISHWASER EXHAUST FAN
DMR	DAMPER
DN	DOWN
EA	EACH
EBH	ELECTRIC BASEBOARD HEATER
EDH	ELECTRIC DUCT-MOUNTED HEATER
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ER	EXHAUST REGISTER
EUH	ELECTRIC UNIT HEATER
EXH	EXHAUST
FD	FIRE DAMPER
FCU	FAN-COIL UNIT
FF	FINAL FILTER
FFCH	FORCED-FLOW CABINET HEATER
FFU	FAN FILTER UNIT
FP	FAN POWERED TERMINAL BOX
GPM	GALLONS PER MINUTE
HC	HEATING COIL
HUM	HUMIDIFIER
HWP OR HP	HEATING WATER PUMP
HX	HEAT EXCHANGER
KEF	KITCHEN (GREASE HOOD) EXHAUST FAN
KW	KILOWATTS
LD	LINEAR SUPPLY DIFFUSER
MOT	MOTORIZED
MTD	MOUNTED
MUAF	MAKE-UP AIR FAN
MUHU	MAKE-UP AIR-HANDLING UNIT
OA	OUTSIDE AIR
OAF	OUTSIDE AIR FAN
OPG OR OPNG	OPENING

NOT ALL ABBREVIATIONS ON THIS LIST ARE NECESSARILY USED ON THIS PROJECT

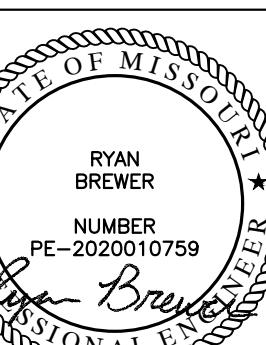
MECHANICAL ABBREVIATIONS	
CONT.	
(ALPHABETICAL BY ABBREVIATION)	
PF	PRE-FILTER
PLNM	PLENUM
RA	RETURN AIR
RAF	RETURN AIR FAN
RAG OR RG	RETURN AIR GRILLE
RAR OR RR	RETURN AIR REGISTER
RAS	RETURN AIR SILENCER
RE:	IN REFERENCE TO
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SAF OR SF	SUPPLY AIR FAN
SAG OR SG	SUPPLY AIR GRILLE
SAR OR SR	SUPPLY AIR REGISTER
SAS	SUPPLY AIR SILENCER
SCHP	SECONDARY CHILLED WATER PUMP
SD	SMOKE DAMPER OR DETECTOR
SPCHP	SPECIAL PROCESS CHILLED WATER PUMP
TA	THROW AWAY (FITTER TYPE)
TDEF	TRUCK DOCK EXHAUST FAN
TEF	TOILET EXHAUST FAN
TRANS	TRANSITION OR TRANSFER
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
VF	VENTILATION FAN
VFD	VARIABLE FREQUENCY DRIVE
VV	VARIABLE VOLUME TERMINAL BOX
WI	WITH
XFMR OR TFMR	TRANSFORMER
XT OR EX	EXPANSION TANK

NOT ALL ABBREVIATIONS ON THIS LIST ARE NECESSARILY USED ON THIS PROJECT



NOT ALL SYMBOLS ON THIS LIST ARE NECESSARILY USED ON THIS PROJECT

STANDARD MECHANICAL SYMBOLS	
	GATE VALVE
	BALL VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	PLUG VALVE
	ANGLE VALVE
	CHECK VALVE
	AUTOMATIC CONTROL VALVE (STRAIGHT THROUGH)
	AUTOMATIC CONTROL VALVE (3-WAY)
	AUTOMATIC CONTROL VALVE (ANGLE)
	AUTOMATIC CONTROL VALVE (STRAIGHT THROUGH)
	SOLENOID VALVE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	GAUGE COCK
	PRESSURE GAUGE WITH GAUGE COCK
	THERMOMETER
	THERMOMETER WELL
	TEST PLUG
	FLOW METER
	TEMPERATURE SENSOR
	PRESSURE SENSOR
	DIFFERENTIAL PRESSURE SWITCH
	IMMERSION THERMOSTAT
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	FLOW SWITCH
	ORIFICE
	PIPE SLEEVE THRU WALL OR FLOOR
	EXPANSION JOINT
	FLEXIBLE PIPE JOINT
	PIPE GUIDE
	ANCHOR
	STRAINER (Y-TYPE)
	STRAINER (BASKET-TYPE)
	UNION
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
<img alt="Symbol: Direction of Flow (a horizontal line with a vertical line at the right end and a small circle at the top of the vertical line).	



M201

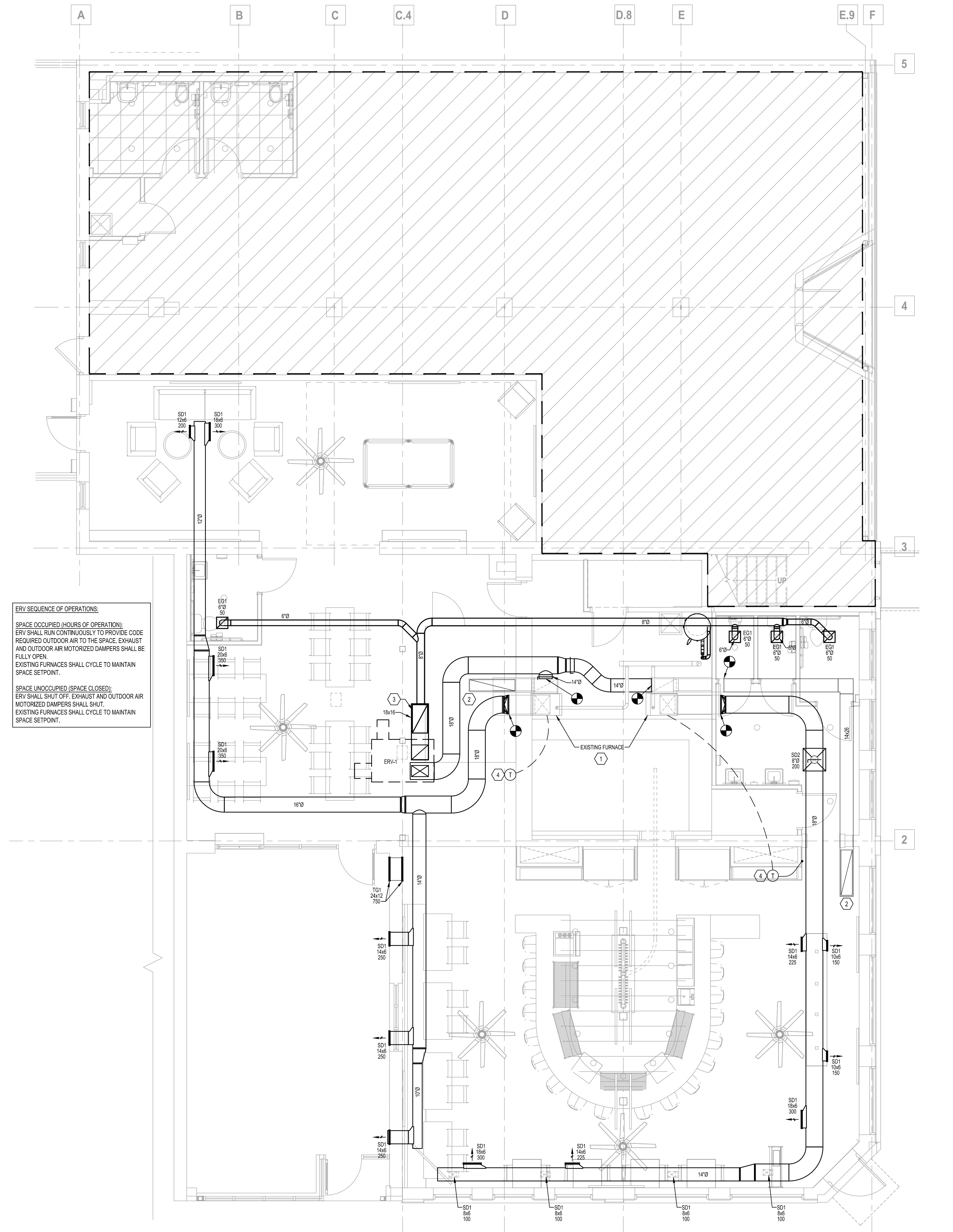
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GENERAL NOTES
(NOT ALL NOTES APPLY)

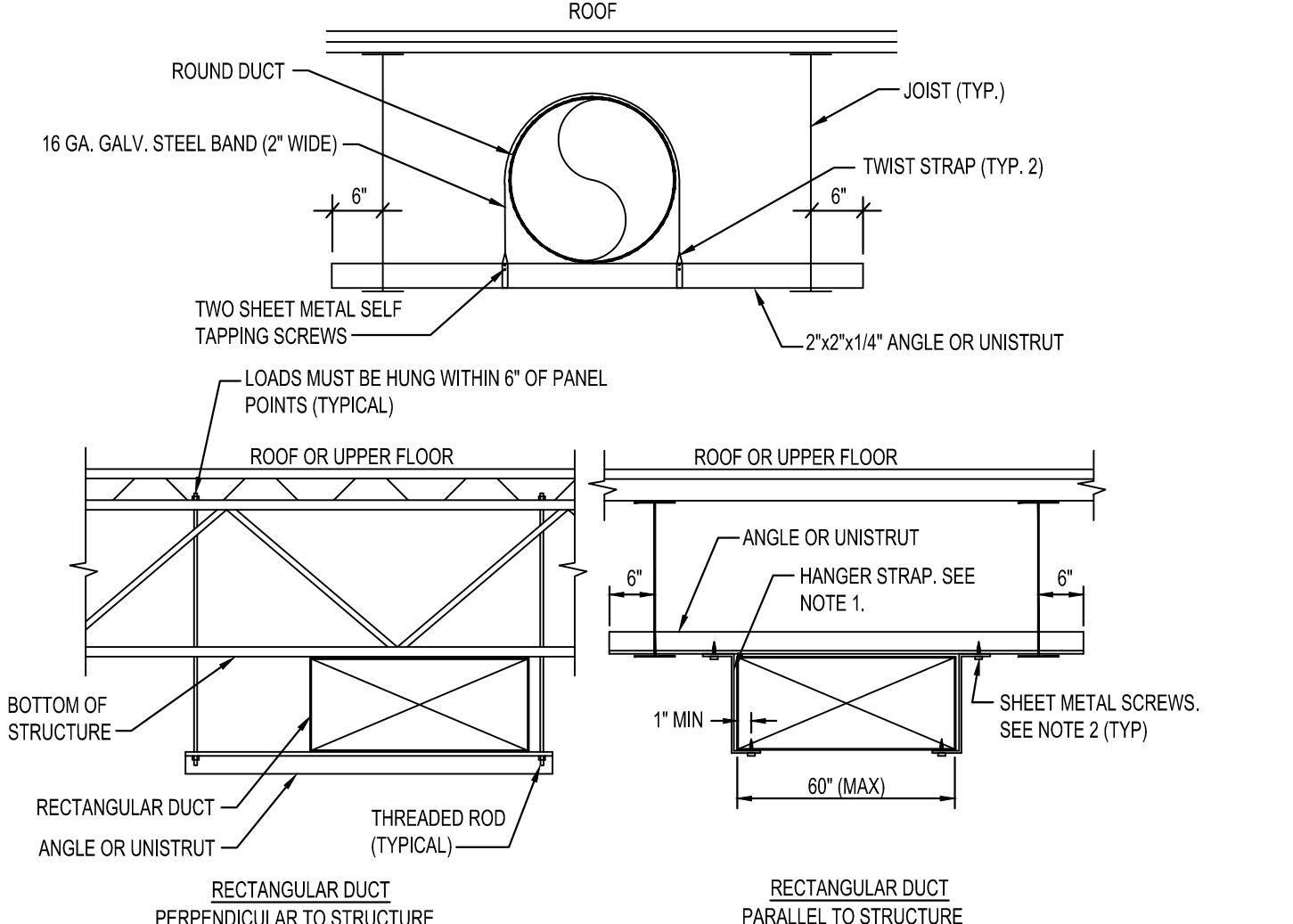
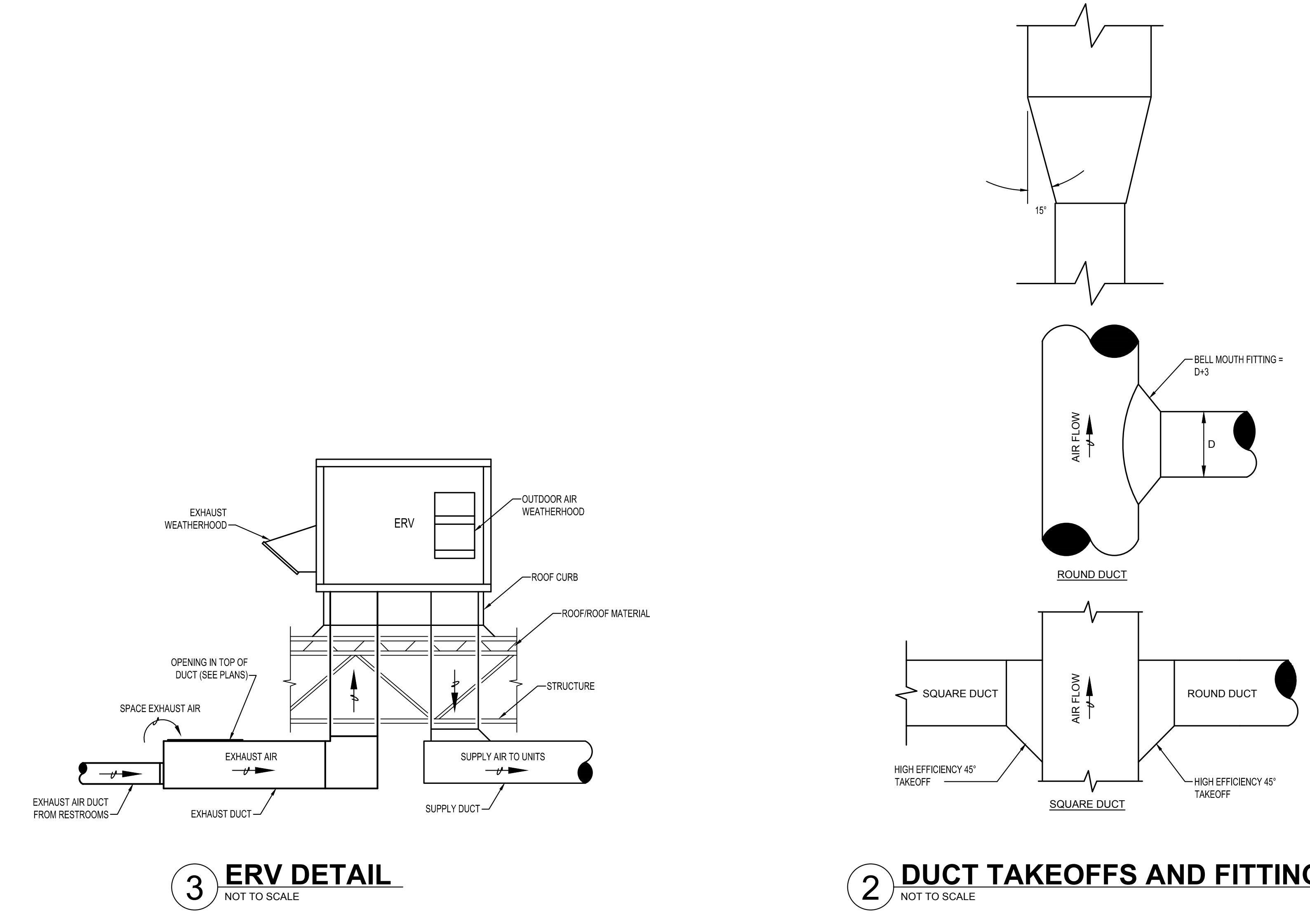
1. REFERENCE SHEET M101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

- EXISTING FURNACE AND ASSOCIATE CONDENSING UNIT ON ROOF TO REMAIN. BALANCE SUPPLY AIR TO 1950 CFM.
- PROVIDE 48x12" OPENING IN TOP OF RETURN AIR DUCT. COVER OPENING WITH PRE-FABRICATED HARDWARE CLOTH WITH A MINIMUM 5' UNOBSTRUCTED FREE AREA ABOVE OPENING FOR AIRFLOW.
- PROVIDE 16x30" OPENING IN TOP OF RETURN/EXHAUST DUCT FOR ERV-1. MAINTAIN MINIMUM 5' UNOBSTRUCTED FREE AREA ABOVE OPENING FOR AIRFLOW.
- PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT WITH AUTO-CHANGEOVER BETWEEN HEATING AND COOLING. MOUNT THERMOSTAT AT 48" AFF. VERIFY FINAL THERMOSTAT LOCATION WITH OWNER.

KEYED NOTES:



GRILLE, REGISTER, AND DIFFUSER SCHEDULE						
MARK	MANUFACTURER	MODEL	FACE TYPE	MOUNTING LOCATION	FACE SIZE (IN)	NOTES
SD1	TITUS	300FL	LOUVERED	WALL/DUCT	NECK + 1-3/4"	1,2,3,4,5,6
SD2	TITUS	PAS	PERFORATED	CEILING	24"x24"	1,2,3,4,5
EG1	TITUS	PAR	PERFORATED	CEILING	12"x12"	1,2,3,5
TG1	TITUS	350FL	LOUVERED	WALL	NECK + 1-3/4"	1,2,3,5

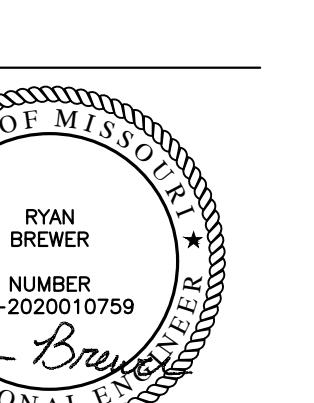


NOTE:

1. USE THREADED ROD FOR ALL DUCTS LARGER THAN 60" WIDE.
2. SHEET METAL SCREWS MAY BE OMITTED IF HANGER STRAP IS CONTINUOUS AND LOOPS UNDER ENTIRE DUCT.

1 DUCT HANGERS AND SUPPORTS

MECHANICAL SCHEDULES AND DETAILS



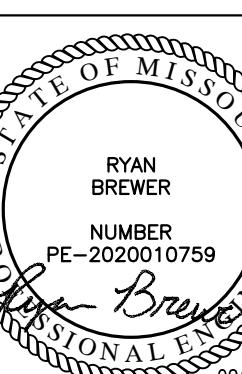
M401

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MECHANICAL
SPECIFICATIONS

12	11	10	9	8	7	6	5	4	3	2	1
15000 - BASIC MECHANICAL REQUIREMENTS											
DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND ALL OTHER SPECIFICATION SECTIONS, APPLY TO THIS AND THE OTHER SECTIONS OF DIVISION 15.											
READ THE SPECIFICATIONS AND REVIEW DRAWINGS FOR ALL DIVISIONS OF WORK AND COORDINATE THE WORK OF SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. PROVIDE SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.											
SCHEDULE THE COMPLETION AND INSPECTION OF WORK AND THE WORK OF SUBCONTRACTORS WORK TO COMPLY WITH THE SCHEDULE AND THE PROJECT COMPLETION DATE.											
VIEW THE SITE PRIOR TO SUBMITTING BID TO DETERMINE CONDITIONS EXISTING THE WORK. THE CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR ANY SUBSTITUTIONS WHICH SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE BID. SUBMITTALS OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE RESPONSIBILITY IN PERFORMANCE OF WORK.											
READ ALL RELEVANT DOCUMENTS, BECOME FAMILIAR WITH THE JOB, SCOPE OF WORK, TYPE OF GENERAL CONSTRUCTION, AND THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. ALSO UNDERSTAND THE PURPOSE FOR WHICH THESE DOCUMENTS HAVE BEEN PREPARED AND BECOME COGNIZANT OF ALL THE DETAILS INVOLVED. COORDINATE WORK WITH THOSE OF OTHERS.											
DEFINITIONS:											
FURNISH, PURCHASE AND DELIVER TO PROJECT SITE COMPLETE WITH EVERY NECESSARY APPURTENANCE AND SUPPORT.											
INSTALL - UNLOAD AT THE DELIVERY POINT AT THE CONSTRUCTION SITE AND PERFORM EVERY OPERATION NECESSARY TO ESTABLISH SECURE MOUNTING AND CORRECT OPERATION AT THE PROPER LOCATION IN THE PROJECT.											
PROVIDE - FURNISH AND INSTALL											
GENERAL REQUIREMENTS											
PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE MECHANICAL SYSTEM AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS. ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE OTHERS SHALL BE PROVIDED CLOSELY IN COORDINATION WITH THE ENTIRE INSTALLATION WITH THE ARCHITECT-ENGINEER.											
THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPORT EACH OTHER AND MATTER OF LABOR CALLED FOR IN ONE SHALL BE PERFORMED AS CALLED FOR EVEN THOUGH NOT SPECIFICALLY NOTED AS BEING BY THE OTHERS. AN ITEM OF LABOR WHICH IS NOT NECESSARY TO COMPLETE THE WORK, AND WHICH IS USUALLY INCLUDED IN THE DRAWINGS OR SPECIFICATIONS CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK, AND WHICH IS USUALLY INCLUDED IN THE DRAWINGS, SHALL BE PROVIDED BY THE STRUCTURAL ENGINEER OR ARCHITECT.											
WHERE THE DRAWINGS OR SPECIFICATIONS CALL FOR ITEMS WHICH EXCEED CODES OR THE OWNER'S CRITERIA, PROVIDE THE SYSTEM WITH THE MORE STRINGENT REQUIREMENTS AS DESIGNED AND DESCRIBED ON THESE DRAWINGS, UNLESS SPECIFICALLY NOTED OTHERWISE.											
ALL MECHANICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT SERVICE ACCESS TO ALL EQUIPMENT.											
ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER USING GOOD ENGINEERING PRACTICES.											
UNLESS SPECIFICALLY NOTED OTHERWISE, MATERIALS, PRODUCTS, AND EQUIPMENT INCLUDING ALL COMPONENTS THEREOF, SHALL BE INSURED BY UNDERWRITERS LABORATORIES LISTED AND LABELED AND SIZED IN CONFORMITY WITH REQUIREMENTS OF STATE AND LOCAL CODES, WHOEVER IS MORE STRINGENT.											
CODES											
ALL WORK SHALL CONFORM TO THE OWNER'S CRITERIA, THE STATES, COUNTIES, CITIES, AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. INQUIRIES INTO AND COMPLIANCE WITH ALL APPLICABLE CODES AND REQUIREMENTS, INCLUDE ANY CHANGES RESULTING FROM CODES IN THE BID AND IF THESE CHANGES ARE INCLUDED IN THE BID, THEY MUST BE QUALIFIED AS SEPARATE ITEM IN THE BID. AFTER CONTRACT IS ISSUED, NO ADDITIONAL COST DUE TO CODE ISSUES SHALL BE REIMBURSED BY THE OWNER.											
LICENSES, PERMITS, COMMISSIONING, INSPECTIONS & FEES											
OBTAIN AND PAY FOR ALL LICENSES, PERMITS, COMMISSIONING, INSPECTIONS, AND FEES REQUIRED OR CALLED FOR IN THIS WORK.											
PROVIDE TO THE OWNER, ARCHITECT A COMMISSIONING PLAN, PRELIMINARY COMMISSIONING REPORT, FINAL COMMISSIONING REPORT, AND CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT COMPLETION OF PROJECT.											
TRADE NAMES, MANUFACTURERS AND SHOP DRAWINGS											
WHERE TRADE NAMES AND MANUFACTURERS ARE NOT SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED AS A MINIMUM FOR THE BASE BID. THE CONTRACTOR SHALL PROVIDE THE EXACT EQUIPMENT AS SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS. EQUIPMENT WHICH IS NOT SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS WILL BE SUBJECT TO APPROVAL IN WRITING BY ARCHITECT-ENGINEER PRIOR TO BID THROUGH SHOP DRAWING SUBMITTAL PROCESS, FOR ACCEPTANCE PRIOR TO INSTALLATION. ANY CHANGES TO ELECTRICAL SERVICE, STRUCTURAL FRAMING, ETC. OR ANY OTHER MODIFICATION THAT IS REQUIRED BY THE USE OF ALTERNATE EQUIPMENT SHALL BE APPROVED BY THE OWNER. THE CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR THE REQUIRED CHANGES. THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT NO EXPENSE TO THE OWNER.											
GUARANTEE											
GUARANTEE ALL MATERIALS AND WORK PROVIDED UNDER THIS CONTRACT AND MAKE GOOD, REPAIR OR REPLACE AT NO EXPENSE TO THE OWNER, ANY DEFECTIVE WORK, MATERIAL OR EQUIPMENT WHICH MAY BE DISCOVERED WITHIN A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE (IN WRITING) OF THE INSTALLATION. EXTENDED WARRANTIES ARE AS SPECIFIED FOR INDIVIDUAL EQUIPMENT.											
QUALITY ASSURANCE											
INDUSTRY STANDARDS AND CODES (UNLESS MODIFIED BY THESE SPECIFICATIONS, THE DESIGN, MANUFACTURER, TESTING AND METHOD OF INSTALLING ALL MATERIALS, APPARATUS AND EQUIPMENT SHALL CONFORM TO THE FOLLOWING:											
1. ARI CODE FOR REFRIGERATION APPARATUS											
2. ANSI B9.1 SAFETY CODE FOR MECHANICAL REFRIGERATION											
3. NFPA 10: NATIONAL FIRE PROTECTION ASSOCIATION											
4. SMACNA											
5. ASHRAE											
RECORD DRAWINGS											
MAINTAIN ONE COPY OF DRAWINGS ON THE JOB SITE TO RECORD DEVIATIONS FROM CONTRACT DRAWINGS, SUCH AS: LOCATION OF CONCEALED PIPING VALVES AND DUCTS, REVISIONS, ADDENDUMS, AND CHANGE ORDERS, AND SIGNIFICANT DEVIATIONS MADE											
NECESSARY BY FIELD CONDITIONS, APPROVED EQUIPMENT SUBSTITUTIONS, AND CONTRACTOR'S COORDINATION WITH OTHER TRADES.											
AT COMPLETION OF THE PROJECT AND BEFORE FINAL APPROVAL, MAKE ANY FINAL CORRECTIONS TO DRAWINGS AND CERTIFY THE ACCURACY OF EACH PRINT BY SIGNATURE THEREON. A SET OF REPRODUCIBLE DRAWINGS, ALONG WITH ONE SET OF BLUELINES OF THE SPECIFIC CONTRACTOR'S EQUIPMENT, SHALL BE PROVIDED TO THE ARCHITECT-ENGINEER. TEMPERATURE CONTROL DRAWINGS INCLUDED SHALL BE DELIVERED TO THE ARCHITECT UPON COMPLETION OF THE WORK AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.											
DISCREPANCIES IN DOCUMENTS											
DRAWINGS (PLANS, SPECIFICATIONS, AND DETAILS) ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE MECHANICAL SYSTEMS. WHERE DRAWINGS, EXISTING CONDITIONS, SPECIFICATIONS OR OTHER TRADES CONFLICT OR ARE INCONCISE, THE CONTRACTOR SHALL MAKE SUCH CHANGES AS ARE NECESSARY. DRAWINGS PRIOR TO SUBMISSION OF BID, OTHERWISE, ARCHITECT-ENGINEER'S INTERPRETATION OF CONTRACT DOCUMENTS OR CONDITIONS SHALL BE FINAL, WITH NO ADDITIONAL COMPENSATION PERMITTED.											
PHASING REQUIREMENTS											
INCLUDE IN BID ALL NECESSARY SERVICE REQUIRED TO KEEP THE OPERATING PHASE OF THE PROJECT'S HVAC, PLUMBING AND SPRINKLER SERVICE IN OPERATION. IF APPROPRIATE, SCHEDULE PHASING WITH ARCHITECT-ENGINEER ONE WEEK PRIOR TO ANY SHUT DOWN OF THE HVAC, PLUMBING OR FIRE PROTECTION SYSTEMS.											
DEMOLITION											
COORDINATE THE DEMOLITION OF EXISTING WORK AND THE DEMOLITION PROVIDED BY OTHER. COORDINATE ANY EXISTING EQUIPMENT REQUIRED TO BE LEFT INTACT.											
VERIFY SCOPES OF WORK AND THE REMOVAL OF ALL EXISTING FIRE PROTECTION, PLUMBING, FIXTURES, PIPING, HVAC UNITS, REFRIGERANT RECAPTURE, EXHAUST FANS, ETC. AND EQUIPMENT PRIOR TO REMOVAL. ALL EXISTING EQUIPMENT SHALL BE REMOVED AS NOTED ON THE DRAWINGS. EXISTING EQUIPMENT SHALL NOT BE REMOVED UNLESS APPROVED BY THE ARCHITECT-ENGINEER. ALL EXISTING EQUIPMENT SHALL BE REMOVED AS NOTED ON THE DRAWINGS. EXISTING EQUIPMENT SHALL BE REMOVED AS NOTED ON THE DRAWINGS. EXISTING EQUIPMENT SHALL BE REMOVED AS NOTED ON THE DRAWINGS.											
REUSING OF EQUIPMENT AND MATERIALS IS NOT ALLOWED UNLESS APPROVED BY THE ARCHITECT-ENGINEER. EXISTING EQUIPMENT SHALL NOT BE REMOVED UNLESS APPROVED BY THE ARCHITECT-ENGINEER.											
MANUFACTURER'S NAMES AND CATALOG NUMBERS											
SPECIFIC REFERENCES HAVE BEEN MADE TO ONE OR MORE MANUFACTURER'S NAMES AND MODEL OR CATALOG NUMBER ON A PLATE SECURELY ATTACHED IN A CONSPICUOUS LOCATION. THE CONTRACTOR SHALL NOT USE ANY OTHER NAME OR NUMBER FOR THE EQUIPMENT.											
CUTTING AND PATCHING											
PERFORM ALL CUTTING AND PATCHING AS REQUIRED FOR THE INSTALLATION OF THE WORK UNDER THIS SPECIFICATION. NO CUTTING OF THE STRUCTURE SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OR ARCHITECT.											
PATCHING SHALL BE OF THE SAME WORKMANSHIP, MATERIAL AND FINISH AS THE DRAWINGS AND SPECIFICATIONS CALL FOR IN THE SPECIFICATIONS, BUT WHICH IS OF SIMILAR CHARACTER, SHALL BE FURNISHED AND INSTALLED AS PART OF THE CONTRACT.											
EXISTING UTILITIES, ETC. THAT ARE DAMAGED DURING THE CONSTRUCTION PERIOD, WHETHER OR NOT DUE TO NEGLIGENCE SHALL BE REPAIRED OR REPLACED AND LEFT IN A CONDITION SUITABLE TO THE ARCHITECT.											
SLEEVES											
PROVIDE SLEEVES TO PROTECT EQUIPMENT OR FACILITIES IN THE INSTALLATION. EACH SLEEVE SHALL EXTEND THROUGH ITS RESPECTIVE FLOOR, WALL OR PARTITION AND SHALL BE CUT FLUSH WITH EACH SURFACE EXCEPT SLEEVES THAT PENETRATE THE FLOOR, WHICH SHALL EXTEND 2" ABOVE THE FLOOR. CUTTING THROUGH THE ARCHITECT AND ENGINEER'S DRAWINGS IS NOT ALLOWED.											
ALL SLEEVES AND OPENINGS THROUGH FIRE RATED WALLS AND/OR FLOORS SHALL BE FIRE SEALED WITH CALCIUM SILICATE, SILICONE RTV FOAM, "3M" FIRE RATED SEALANTS OR EQUAL, SO AS TO RETAIN THEIR FIRE RATING.											
ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER USING GOOD ENGINEERING PRACTICES.											
ALL DRAWINGS AND SPECIFICATIONS CALLED FOR IN THE DRAWINGS, WHETHER IN WRITING OR IN DRAWINGS, SHALL BE CONSIDERED AS PART OF THE CONTRACT. THE CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR ANY CHANGES MADE TO THE DRAWINGS OR SPECIFICATIONS, UNLESS APPROVED BY THE ARCHITECT-ENGINEER.											
ALL MECHANICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT SERVICE ACCESS TO ALL EQUIPMENT.											
ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER USING GOOD ENGINEERING PRACTICES.											
UNLESS SPECIFICALLY NOTED OTHERWISE, MATERIALS, PRODUCTS, AND EQUIPMENT INCLUDING ALL COMPONENTS THEREOF, SHALL BE INSURED BY UNDERWRITERS LABORATORIES LISTED AND LABELED AND SIZED IN CONFORMITY WITH REQUIREMENTS OF STATE AND LOCAL CODES, WHOEVER IS MORE STRINGENT.											
CODES											
ALL WORK SHALL CONFORM TO THE OWNER'S CRITERIA, THE STATES, COUNTIES, CITIES, AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. INQUIRIES INTO AND COMPLIANCE WITH ALL APPLICABLE CODES AND REQUIREMENTS, INCLUDE ANY CHANGES RESULTING FROM CODES IN THE BID AND IF THESE CHANGES ARE INCLUDED IN THE BID, THEY MUST BE QUALIFIED AS SEPARATE ITEM IN THE BID. AFTER CONTRACT IS ISSUED, NO ADDITIONAL COST DUE TO CODE ISSUES SHALL BE REIMBURSED BY THE OWNER.											
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GUARANTEE			</								



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ISSUE DATE: 27 FEB 2023

COLLINS WEBB #: 2266

PLUMBING NOTES, SYMBOLS &
ABBREVIATIONS

GENERAL PLUMBING NOTES

- ALL WORK SHALL BE IN CONFORMANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND AUTHORITIES HAVING JURISDICTION.
- PROVIDE TO OWNER A COPY OF ALL REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS AND ALL PLUMBING SYSTEMS EQUIPMENT MANUALS INCLUDING WARRANTIES.
- COORDINATE THE COMPLETE INSTALLATION OF SYSTEMS TO AVOID CONFLICT WITH OTHER TRADES.
- COORDINATE ALL ABOVE SLAB AND UNDER SLAB SANITARY, AND WATER PIPING SYSTEMS TO AVOID CONFLICT WITH ALL OTHER TRADES SYSTEMS, AND COLUMN FOOTINGS. ALL SOIL AND WASTE PIPING SHALL BE GRADED TO A UNIFORM SLOPE OF NOT LESS THAN 1/8" PER FOOT FOR PIPING 3" OR LARGER, AND NOT LESS THAN 1/4" PER FOOT FOR PIPING 3" OR SMALLER.
- COORDINATE ALL FLOOR DRAINS, CLEANOUTS, AND FLOOR MOUNTED FIXTURES WITH FINISHED FLOOR SLAB ELEVATION TO ENSURE THEY ARE INSTALLED PLUM AND DRY, WITHOUT CRACKS, RISE IN THE SLAB, OR VOIDS ARE GRADED OR CLEANED OUT. ENSURE A 12" DISTANCE FROM THE FLOOR FINISHED SLAB ELEVATION. ALL FLOOR DRAINS AND CLEANOUTS SHALL BE ACCESSIBLE FOR MAINTENANCE AND NOT INSTALLED BENEATH EQUIPMENT. ANY DRAIN GRATES THAT ARE DAMAGED AS A RESULT OF OTHER CONSTRUCTION PRIOR TO RELEASE OF THE BUILDING TO THE OWNER SHALL BE REPLACED WITH LIKE GRATE AT NO EXPENSE OF THE OWNER.
- ALL EXPOSED PIPES PENETRATING FINISHED WALLS SHALL BE EQUIPPED WITH WALL ESCUTCHEONS.
- PROVIDE TRIM AND SEAL PRIMERS ON ALL FLOOR DRAINS IF REQUIRED BY CODE OR OWNER.
- PLUMBING VENTS THROUGH THE ROOF ARE LOCATED AT A MINIMUM OF 5'-0" FROM BUILDING PARAPETS AND 10'-0" FROM FRESH AIR INTAKES AND AS REQUIRED TO MEET LOCAL CODES.
- ALL SHUT-OFF OR BALANCING VALVES TO PLUMBING ROUTED IN PIPE CHASES SHALL BE ACCESSIBLE FROM CEILING AREA OR ACCESS DOORS PROVIDED IN WALL.
- PROVIDE FINAL CONNECTIONS FOR ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. PROVIDE ALL REQUIRED SHUT-OFFS, BACKFLOW PREVENTERS, PRESSURE REGULATORS, AND CONDENSATE DRAINS AS REQUIRED BY LOCAL CODES FOR COMPLETE EQUIPMENT INSTALLATION. CONSULT EQUIPMENT SUPPLIER OR OWNER FOR ADDITIONAL FINAL CONNECTION REQUIREMENTS NOT SHOWN ON THESE DRAWINGS.
- CONTRACTOR TO FULLY INVESTIGATE ALL EXISTING PIPING TO REMAIN TO ENSURE EXISTING PIPING IS IN GOOD REPAIR. IF ANY EXISTING PIPING IS FOUND TO BE DAMAGED REPLACE WITH LIKE.

PLUMBING ABBREVIATIONS

AD	AREA DRAIN, ACCESS DOOR	IE	INVERT ELEVATION
AFC	ABOVE FINISH CEILING	LR	LIQUIDATED PETROLEUM
AFG	ABOVE FINISH GRADE	MBH	1000 BTU PER HOUR
AHU	AIR HANDLING UNIT	N/A	NOT APPLICABLE
BFP	BACKFLOW PREVENTER	ORD	OVERFLOW ROOF DRAIN
BOP	BOTTOM OF PIPE	OST	STORM OVERFLOW
BOS	BOTTOM OF STRUCTURE	PD	PUMP DISCHARGE
CD	CONDENSATE	PIV	POST INDICATOR VALVE
CO	CLEANOUT	PRV	PRESSURE REDUCING VALVE
CW	DOMESTIC COLD WATER	REV	REVISION
DD	DECK DRAIN	RPM	REVOLUTIONS PER MINUTE
DN	DOWN	RTU	ROOF TOP UNIT
EIR	EXISTING TO REMAIN	SAN	SANITARY
EWC	ELECTRIC WATER COOLER	SCW	SOFT DOMESTIC COLD WATER
FCD	FLUSH CLEAN OUT	SHW	SOFT DOMESTIC HOT WATER
FCA	FROM FLOOR ABOVE	SD-WR	SOFT RECUR. HOT WATER
FP	FIRE PROTECTION	ST	STORM
FS	FLOOR SINK	TFA	TO FLOOR ABOVE
G	GAS (NATURAL)	TFB	TO FLOOR BELOW
GCO	GRADE CI FANOUT	TW	TEMPERED WATER
GPM	GALLONS PER MINUTE	UH	UNIT HEATER
HB	HOSE BIBB	V	VENT PIPE
HW	DOMESTIC HOT WATER	VTR	VENT THROUGH ROOF
HWR	HOT WATER RETURN	WCO	WALL CLEANOUT
HWS	HOT WATER SUPPLY	WH	WALL HYDRANT

PLUMBING SYMBOLS

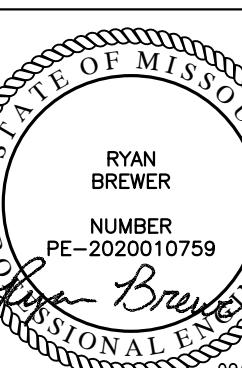
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GATE VALVE		FLOOR DRAIN / AREA DRAIN
	CHECK VALVE		FLOOR SINK
	PRESSURE		ROOF DRAIN
	SOLENOID VALVE		OVERFLOW ROOF DRAIN
	GLOBE VALVE (STRAIGHT PATTERN)		HOT WATER RECIRCULATION PUMP
	BUTTERFLY VALVE		PLUMBING VENT THRU ROOF
	BALL VALVE		POINT OF CONNECTION (CONNECT NEW TO EXISTING)
	GAS COCK		PLUG VALVE
	FLOOR CLEAN OUT		PLUMBING EQUIPMENT DESIGNATION
	WALL CLEAN OUT		SANITARY SEWER PIPING
	CLEAN OUT		STORM SEWER PIPING
	HOSE BIBB		VENT PIPING
	FREEZE PROOF WALL HYDRANT		COLD WATER PIPING
	ELBOW DOWN		HOT WATER PIPING
	ELBOW UP		HOT WATER RECIRCULATING PIPING
	TEE UP		FILTERED WATER PIPING
	TEE DOWN		STRAINER
	UNION		GAS PIPING
	CAP		CONDENSATE PIPING

PLUMBING FIXTURE MINIMUM
CONNECTION SCHEDULE

DESIGNATION	Fixture	C.W.	H.W.	DRAIN	VENT
WC	WATER CLOSET	1"	-	4"	2"
UR	URINAL	3/4"	-	2"	2"
LAV.	LAVATORY	1/2"	1/2"	2"	2"
EWCDF	ELECTRIC WATER COOLER/DRINKING FOUNTAIN	1/2"	-	2"	2"
MBSS	MOP BASSIN/SERVICE SINK	1/2"	1/2"	3"	2"
SHBT	SHOWER/BATHTUB	1/2"	1/2"	2"	2"
SK	SINK	1/2"	1/2"	2"	2"

GENERAL NOTES:

- PITCH ALL DRAINAGE PIPING 3" AND LARGER AT 1/8" PER FOOT MINIMUM UNLESS OTHERWISE NOTED. PITCH ALL DRAINAGE PIPING 2-1/2" AND SMALLER AT 1/4" PER FOOT.
- ALL UNDERGROUND DRAINAGE PIPING SHALL BE A MINIMUM OF 2" IN SIZE.
- PROVIDE TRAP PRIMER UNITS FOR ALL FLOOR DRAINS.
- VERIFY/COORDINATE LOCATIONS OF ALL FIXTURES, DRAIN, ETC. WITH ARCHITECT PRIOR TO ROUGH-IN.

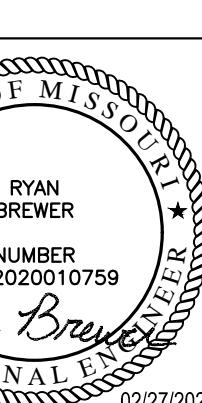


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ISSUE DATE: 27 FEB 2023

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PLUMBING NOTES, SYMBOLS &
ABBREVIATIONS



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PLUMBING FIXTURE SCHEDULE

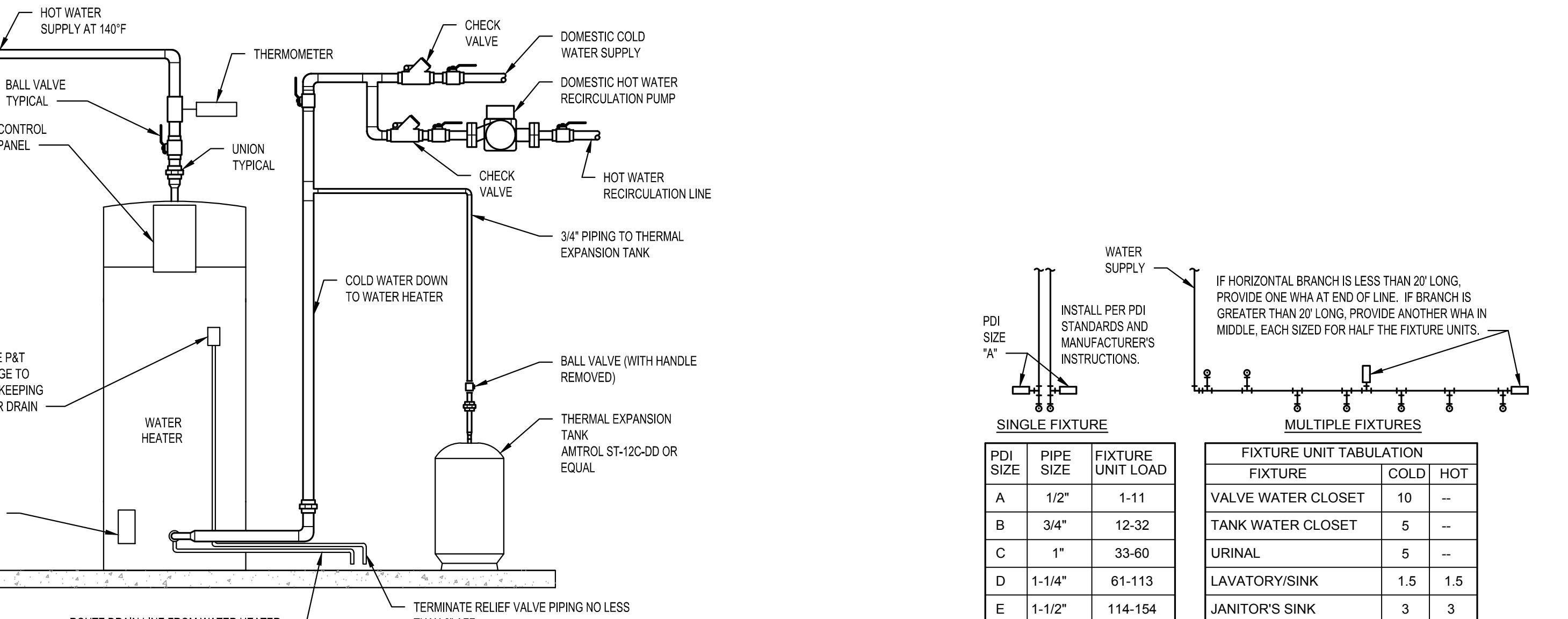
TAG	MANUFACTURER	MODEL	DRAIN	VENT	COLD WATER	HOT WATER	ELECTRICAL REQUIREMENTS	DESCRIPTION
FCO	SIoux Chief	834-4ANR	4"	---	---	---		FLOOR CLEANOUT ABS BODY AND NICKEL-BRONZE COVER
FD	SIoux Chief	832-35ANR	2"	2"	---	---		ADJUSTABLE FLOOR DRAIN WITH GRAY ABS BODY AND ROUND NICKEL-BRONZE STRAINER AND TRAP PRIMER CONNECTION
FS	SIoux Chief	861-3PNU2	3"	2"	---	---		SQUAREMAX PVC FLOOR SINK WITH 3" SCHEDULE 40 HUB CONNECTION AND HALF-OPEN NICKEL-BRONZE RING/STRAINER
LAV	AMERICAN STANDARD	9024.001EC	2"	1-1/2"	1/2"	1/2"		WALL HUNG LAVATORY WITH SELECTRONIC BATTERY-POWERED CENTERSET SINGLE HOLE FAUCET 6055.105. PROVIDE WITH ASSE 1070 COMPLIANT MIXING VALVE AND TRUEBRO LAV GUARD PIPE WRAPS.
RP	TACO	007-BF5	---	---	3/4"	115V 0.76 AMPS		IN-LINE CARTRIDGE STYLE CIRCULATOR PUMP. CAPABLE OF 10 FEET OF HEAD AT 3 GPM
UR	AMERICAN STANDARD	6002.001	2"	1-1/2"	3/4"	---		PINTBROOK URINAL 0.125 GPF WITH SELECTRONIC 6063.051.002 SENSOR OPERATED DC POWER FLUSH VALVE.
WC1	AMERICAN STANDARD	2462.016	3"	2"	3/4"	---		1.6 GPF, FLUSH TANK WATER CLOSET PRESSURE-ASSISTED SIPHON JET, ELONGATED BOWL WITH CHURCH 9500C WHITE, SOLID PLASTIC, OPEN-FRONT SEAT.
WC2	AMERICAN STANDARD	2467.016	3"	2"	3/4"	---		ADA-COMPLIANT, 1.6 GPF, FLUSH TANK WATER CLOSET PRESSURE-ASSISTED SIPHON JET, ELONGATED BOWL WITH CHURCH 9500C WHITE, SOLID PLASTIC, OPEN-FRONT SEAT.
WCO	JAY R. SMITH	4531S	PER PLAN	---	---	---		CAST IRON CLEANOUT TEE AND COUNTERSUNK PLUG
GWH	BRADFORD WHITE	EF60T-125E-3N			1"	1"	120V 15A SUPPLY	NATURAL GAS FIRED WATER HEATER 60 GALLON 145 GALLON RECOVERY AT 100 %OF RISE. 95% EFFICIENT PROVIDE WITH AMTROL ST-12 THERMAL EXPANSION TANK.

NOTES:
1. HIGH TENSILE STRENGTH STAINLESS STEEL FLEXIBLE CONNECTION, 12" LENGTH, AGA/CSA APPROVED, PRE-COATED.
2. PAINT ALL EXTERIOR GAS PIPING, YELLOW COLOR.
3. PROVIDE PRESSURE REGULATOR WHERE REQUIRED.

NOTES:
1. MODELS IN SCHEDULE ARE A BASIS OF DESIGN CONFIRM FINAL FIXTURE MODELS WITH OWNER PRIOR TO PURCHASING.
2. ALL LAVATORIES SHALL BE PROVIDED WITH ANTI-SCALD ASSE 1070 COMPLIANT VALVE.
3. PROVIDE LOOSE KEY STOPS AND FLEXIBLE RISERS.
4. ON LAVATORY INSULATE EXPOSED TAILPIECE, P-TRAP, AND WATER RISERS WITH TRU-BRO INSULATION KIT.
5. PROVIDE FLUSH VALVE HANDLE ON WIDE SIDE OF ROOM.
6. PROVIDE HANDLE STOPS AND FLEXIBLE RISERS.

9 GAS EQUIPMENT PIPE CONNECTION

NOT TO SCALE



8 WATER HEATER PIPING

NOT TO SCALE

7 WATER HAMMER ARRESTERS

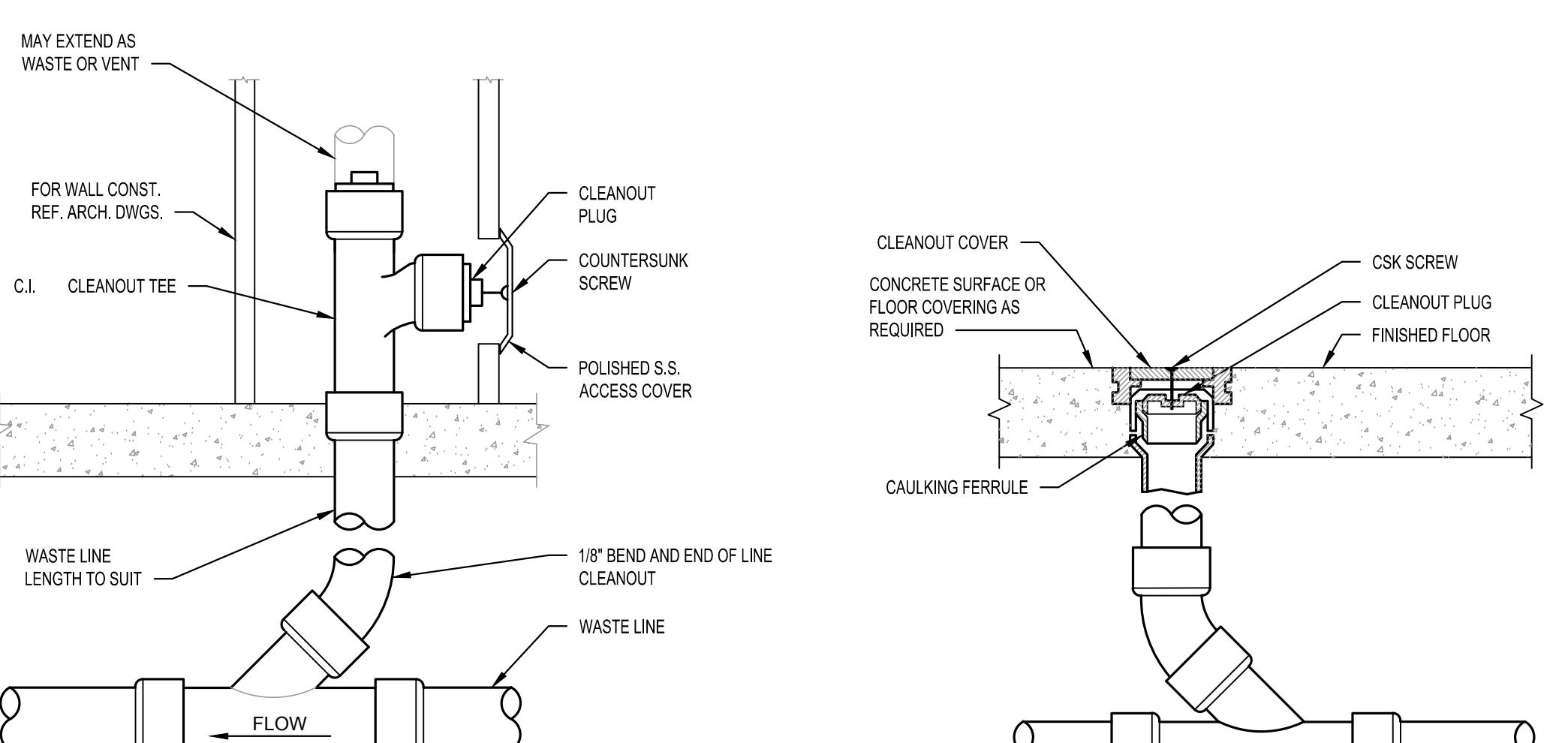
NOT TO SCALE

6 TRAP SEAL PRIMER DETAIL

NOT TO SCALE

5 VENT THROUGH ROOF DETAIL (VTR)

NOT TO SCALE

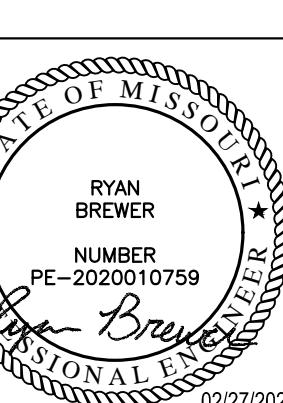


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ISSUE DATE: 27 FEB 2023
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PLUMBING WASTE
AND VENT PLAN

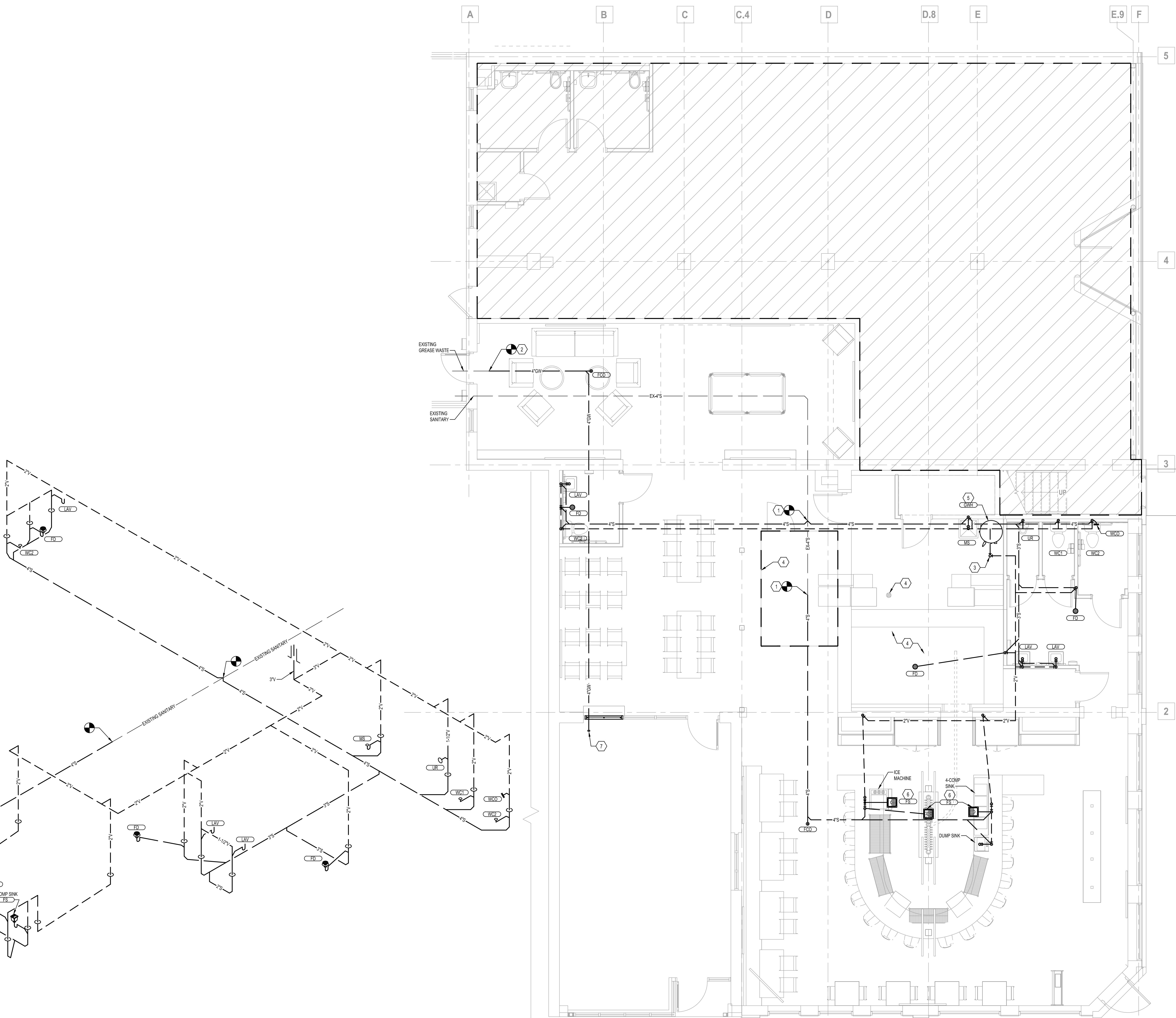
GENERAL NOTES

(NOT ALL NOTES APPLY)

1. REFERENCE SHEET P101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL SHUT-OFF OR BALANCING VALVES TO PLUMBING ROUTED IN PIPE CHASES SHALL BE ACCESSIBLE FROM CEILING AREA OR ACCESS DOORS PROVIDED IN WALL.
3. ALL EXPOSED PIPES OR TRAVELING FINISHED WALLS SHALL BE EQUIPPED WITH ISOLATING VALVES.
4. PROVIDE FINAL CONNECTIONS FOR ALL EQUIPMENT SPECIFIED IN PLUMBING FIXTURES AND EQUIPMENT SCHEDULES ON THESE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. PROVIDE ALL REQUIRED SHUT-OFFS, BACKFLOW PREVENTERS, PRESSURE REGULATORS, AND CONDENSATE DRAINS INDICATED ON PLUMBING SCHEDULES AND AS REQUIRED BY LOCAL CODES FOR COMPLETE EQUIPMENT INSTALLATION. CONSULT EQUIPMENT SUPPLIER OR OWNER FOR ADDITIONAL FINAL CONNECTION REQUIREMENTS NOT SHOWN ON THESE DRAWINGS.

1 PLUMBING WASTE AND VENT PLAN

SCALE: 1/4" = 1'-0"

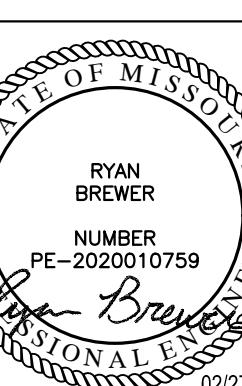


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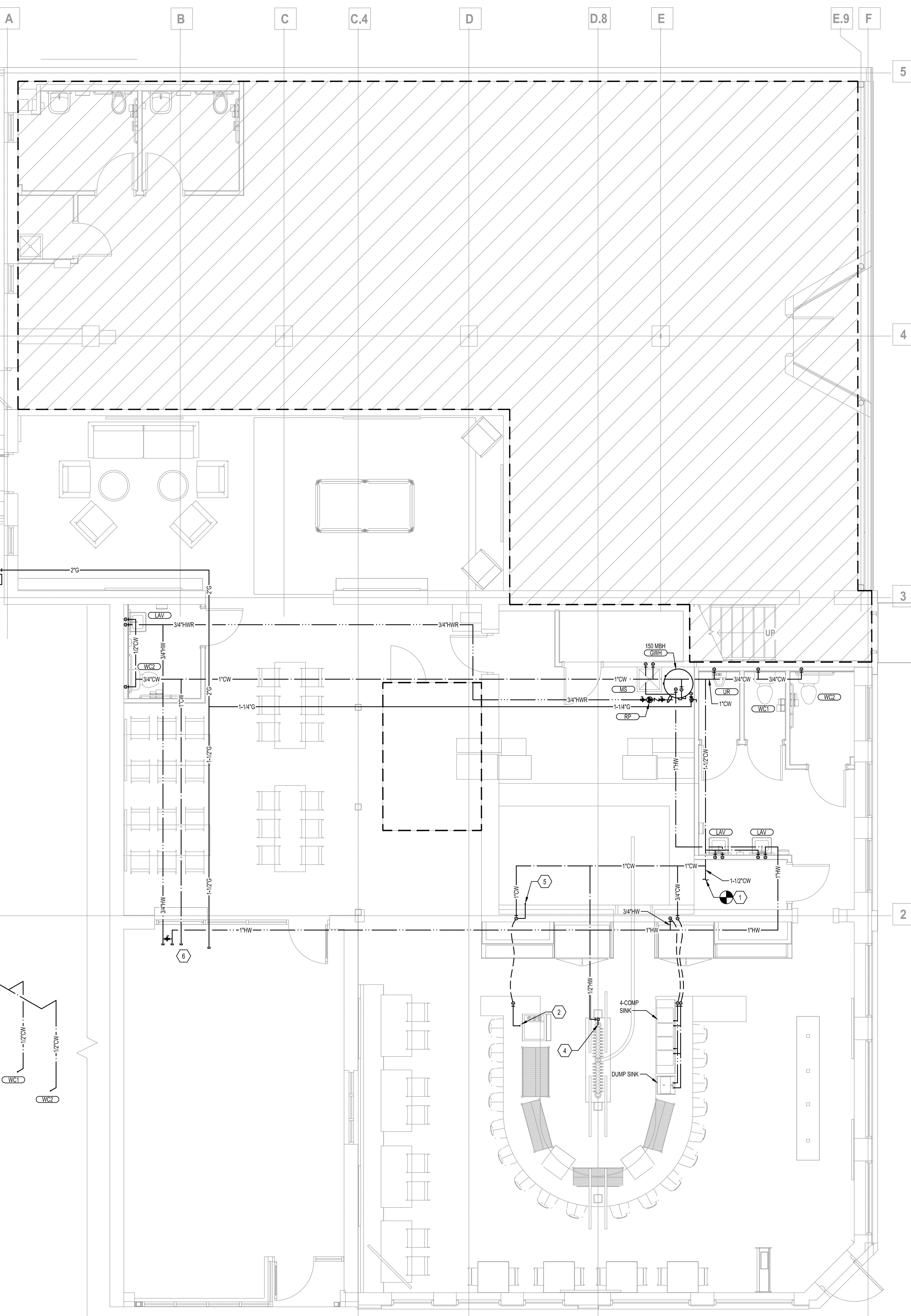
PLUMBING WATER
AND GAS PLAN

GENERAL NOTES (NOT ALL NOTES APPLY)

1. REFERENCE SHEET P101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL SHUT-OFF OR BALANCING VALVES TO PLUMBING ROUTED IN PIPE CHASES SHALL BE ACCESSIBLE FROM CEILING AREA OR ACCESS DOORS PROVIDED IN WALL.
3. ALL EXPOSED PIPES LOCATED IN FINISHED WALLS SHALL BE EQUALLY SPACED AND SECURED.
4. PROVIDE FINAL CONNECTIONS FOR ALL EQUIPMENT SPECIFIED IN PLUMBING FIXTURES AND EQUIPMENT SCHEDULES ON THESE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. PROVIDE ALL REQUIRED SHUT-OFFS, BACKFLOW PREVENTERS, PRESSURE REGULATORS, AND CONDENSATE DRAINS INDICATED ON PLUMBING SCHEDULES AND AS REQUIRED BY LOCAL CODES FOR COMPLETE EQUIPMENT INSTALLATION. CONSULT EQUIPMENT SUPPLIER OR OWNER FOR ADDITIONAL FINAL CONNECTION REQUIREMENTS NOT SHOWN ON THESE DRAWINGS.

KEYED NOTES:

1. ROUTE NEW 1-1/2" COLD WATER LINE TO EXISTING COLD WATER LINE IN THIS AREA. FIELD COORDINATE EXACT CONNECTION POINT, LINE SIZE, AND MATERIAL.
2. 3/4"CW UP THROUGH FLOOR TO ICE MACHINE. INSTALL ALL BACKFLOW PREVENTION, VALVING AND FILTERS AS PER MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODES.
3. ROUTE NEW CG LINE BACK TO EXISTING GAS METER. FIELD VERIFY EXACT ROUTING WITH LANDLORD AND EXISTING CONDITIONS. ENSURE EXISTING METER IS LARGE ENOUGH FOR NEW TOTAL GAS LOAD. IF EXISTING METER IS FOUND TO NOT BE LARGE ENOUGH COORDINATE WITH UTILITY FOR INSTALLATION OF NEW. NEW PIPING LOAD OF 402 MBH SIZED FOR A DEVELOPED LENGTH OF 150' AT A PRESSURE OF 7" WATER COLUMN.
4. ROUTE NEW COLD WATER LINE DOWN TO GLASS WASH. COORDINATE WITH OWNER FOR EXACT LOCATION AND REQUIREMENTS.
5. ROUTE 1"CW DOWN IN WALL STUB 1"CW INTO BEER COOLER FOR CONNECTION TO EQUIPMENT. TERMINATE WITH ALL VALVING AND BACKFLOW PROTECTION AS PER MANUFACTURER'S RECOMMENDATIONS. CONTINUE 3/4"CW BELOW GRADE TO BAR EQUIPMENT.
6. CAP LINES FOR CONTINUATION BY FUTURE TENANT.



1 PLUMBING WATER AND GAS PLAN

SCALE: 1/4" = 1'-0"

2 PLUMBING WATER RISER

SCALE: 1/4" = 1'-0"

