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CONSULTANT

STAMP

STATE OF MISSOURI
WILLIAM A.
NUMBER
A-2012004034
ARCHITECT

[illegible]

SHEET NUMBER

T1.1
RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

04/14/2020

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FINISHES

GYPSON WALLBOARD (WHERE APPLIES)

1. PROVIDE GYPSON WALLBOARD, STEEL FRAMING COMPONENTS, AND ACCESSORIES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS GYPSON ASSOCIATION'S FIRE RESISTANCE DESIGN MANUAL. PRODUCTS SPECIFIED HEREIN ARE AS MANUFACTURED BY U.S. GYPSON ASSOCIATION. EQUIVALENT PRODUCTS OF OTHER MANUFACTURERS WILL BE CONSIDERED PROVIDED THEY MEET THOSE ESTABLISHED STANDARDS. MAKE APPROPRIATE SUBMITTAL FOR ANY SUBSTITUTIONS.
2. ARCHITECT WILL NOT REIMBURSE CONTRACTOR OR SUB-CONTRACTOR FOR CITY OR STATE LICENSE FEES WHICH MAY BE REQUIRED TO PERFORM WORK.
3. FINISHES
 - A. UNLESS NOTED OTHERWISE (E.G. SPECIAL WALL COVERING AREAS) ALL GYPSON WALLBOARD SHALL BE TAPED, SMOOTH, AND PAINTED.
 - B. VERIFY ANY SPECIAL FINISH AREA PRIOR TO COMMENCING WORK.

PAINTING

- ## PAINTING
1. SEE FINISH SCHEDULE FOR ALL PAINT PRODUCTS AND SPECIFICATIONS.
 2. THE WORK INCLUDES, BUT IS NOT LIMITED TO FURNISHING OF MATERIALS AND EQUIPMENT, AND COMPLETION OF PAINTING AND PAINTER'S FINISH ON EXPOSED SURFACES AS REQUIRED TO COMPLETE FINISHING OF THE WORK INDICATED ON THE DRAWINGS OR SPECIFIED HEREIN.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE OF MATERIALS AND APPLICATION WITH GOVERNING AGENCIES (LOCAL, STATE AND FEDERAL) IN CONNECTION WITH THIS PROJECT.
 4. THE FOLLOWING EXPOSED SURFACES ARE TO BE PAINTED:
 - A. UNLESS NOTED OTHERWISE, ALL GYPSUM WALLBOARD NOT COVERED BY OTHER MATERIALS.
 - B. ALL EXISTING WALLBOARD TO A MIN. OF 6" ABOVE ROOM CEILING, TYPICAL, UNLESS NOTED OTHERWISE ON ROOM FINISH SCHEDULE.
 - C. ALL METAL IN IMPROVED AREAS NOT PRE-FINISHED PRIOR TO INSTALLATION.
 - D. ALL WOOD SURFACES, TRIM, OR PIECES NOT PRE-FINISHED PRIOR TO INSTALLATION. (DO NOT PAINT INTERIOR ELEMENTS NORMALLY CONCEALED SUCH AS STRUCTURAL COMPONENTS AND ELECTRICAL WIRING)
 5. MATERIALS
 - A. PAINTED PRODUCTS SHALL BE MANUFACTURED BY APPROVED OR SCHEDULED PRODUCT.
 - B. ACCESSORY MATERIALS SUCH AS TURPENTINE / THINNER / UNSEED OIL SHALL BE APPROVED BY THE COATING MANUFACTURER.
 - C. THE NUMBER OF COATS IS TO BE THREE (3) MINIMUM. ADDITIONAL COATS SHALL BE APPLIED AT NO ADDITIONAL COST NECESSARY TO COMPLETELY HIDE BASE MATERIALS, PRODUCE UNIFORM COLOR, AND PROVIDE SATISFACTORY FINISH RESULTS.
 - D. APPLICATION AND SURFACE PREPARATION SHALL BE DONE ACCORDING TO MANUFACTURER'S WRITTEN SPECIFICATIONS AND APPLICATION INSTRUCTIONS. ALL FINISHES SHALL BE APPLIED EVENLY AND BE FREE OF RUNS, SAGS, SKIPS, CRAWLS, AND / OR DEFECTS.
 - E. THE CONTRACTOR SHALL PROTECT HIS OWN WORK, AND ADJACENT EXISTING WORK AND MATERIALS, WITH SUITABLE COVERINGS OR MASKINGS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CLEANING THE AREA OF HIS WORK AS WELL AS REMOVAL OF ALL EXCESS MATERIAL (EITHER FROM ADJACENT SURFACES OR EXTRA MATERIALS). CONTRACTOR TO PAINT, REPAIR OR REPLACE ANY BUILDING OR ELECTRICAL COMPONENTS DURING CONSTRUCTION AT HIS OWN EXPENSE.
 - F. SURFACES TO BE PAINTED SHALL BE FREE OF OIL GREASE, LOOSE PAINT, OR OTHER FOREIGN MATERIAL.
 6. CONTRACTOR TO VERIFY FINISHES ON SIGNAGE WITH THE ARCHITECT.

CABINET WORK

1. MAKE ALL FINISHED WORK PER THE DETAILED DRAWINGS.
2. TAKE SUCH FIELD MEASUREMENTS AS MAY BE REQUIRED.
3. ALL FINISHED CABINET MATERIALS TO BE AS CALLED OUT PER THE CONSTRUCTION DOCUMENTS.
4. PLASTIC LAMINATE FINISHING SHALL CONFORM TO REQUIREMENTS OF ARCHITECTURAL WOODWORK INSTITUTE, "QUALITY STANDARDS" FOR "CUSTOM" GRADE AND NOTES CONTAINED HEREIN.

5. INSTALLATION - I

6. ALL DRAWERS TO WALL AND OTHER SURFACES AS REQUIRED. ADJUST ALL DRAWERS, DOORS AND MOVABLE PARTS TO OPERATE EASILY AND SMOOTHLY WITHOUT BINDING.
 6. ALL DRAWERS TO BE FULL EXTENSION SIDES WITH A 75 LB. LOAD CAPACITY.
 7. MILLWORK CONTRACTOR IS TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
 8. THE GENERAL CONTRACTOR AND MILLWORK CONTRACTOR ARE TO COORDINATE AND INSTALL ALL REQUIRED BLOCKING, ANGLE BRACES, SUPPORTS, ETC., TO SUFFICIENTLY SUPPORT ALL COUNTERS.
 9. FINISHES
 1. COUNTERTOP FINISHES TO BE PER FINISH SCHEDULE AND /OR SHOP DRAWINGS
 2. CABINET FACES TO BE PER FINISH SCHEDULE AND /OR SHOP DRAWINGS
 10. HARDWARES TO BE AS CALLED OUT PER PLANS AND SCHEDULES. (TYPICAL)
- ELECTRICAL - IN ACCORDANCE TO DETAIL 12/71.3**
1. BOTTOM OF ELECTRICAL OUTLET J-BOXES SHALL BE INSTALLED NOT LESS THAN 15" ABOVE THE FINISHED FLOOR OR WORKING PLATFORM.
 2. THE TOP OF THE J-BOX OF CONTROLS OR SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING, AND VENTILATING EQUIPMENT SHALL NOT BE MORE THAN 48" ABOVE THE FINISHED FLOOR OR WORKING PLATFORM.
 3. THE TOP OF FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED 48" ABOVE THE LEVEL OF THE FINISHED FLOOR, WORKING PLATFORM, GROUND SURFACE OR SIDEWALK.
 4. THE INSTALLATION OF FIRE ALARM EQUIPMENT AND SYSTEMS IN ANY OCCUPANCY WITHIN THE SCOPE OF THESE REGULATIONS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE LOCAL, STATE & FEDERAL CODES AND REGULATIONS.
 5. (WHERE APPLIES) GENERAL CONTRACTOR TO SUPPLY (N) PANEL SCHEDULES FOR ALL ELECTRICAL PANELS PRIOR TO COMPLETION OF THE REMODEL.

HAZARDS AND PROTRUDING OBJECTS - IN

1. OBJECTS PROJECTING FROM WALLS WITH THEIR LEADING EDGES ABOVE 27" AND BELOW 80" ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4" INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES.
2. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27" ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS OR AISLES. ANY OBSTRUCTION THAT OVERHANGS A PEDESTRIAN WAY SHALL BE A MINIMUM OF 80" ABOVE THE WALKING SURFACE AS MEASURED FROM THE BOTTOM OF THE OBSTRUCTION.
3. FREESTANDING OBJECTS MOUNTED ON POSTS OR PYLONS MAY OVERHANG 12" MAXIMUM FROM 27" TO 80" ABOVE THE GROUND OR FINISHED FLOOR.
4. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE.
5. WALKS, HALLS, CORRIDORS, PASSAGEWAYS, AISLES OR OTHER CIRCULATION SPACES SHALL HAVE 80" (INCHES) MINIMUM CLEAR HEAD ROOM.
6. CONTRACTOR TO CONTACT ARCHITECT IF ROOF PENETRATIONS ARE DEEMED NECESSARY. ANY ROOF PENETRATIONS MUST BE COMPLETED BY LANDLORD APPROVED ROOFING CONTRACTOR.

1. THE SIGNAGE AT THE STOREFRONT WILL BE CONTRACTED DIRECTLY BY THE GENERAL CONTRACTOR. THE G.C. MUST PROVIDE ANY AND ALL REQUIRED J-BOXES AS WELL AS ACCESS PANELS TO ALL SIGNAGE AS NECESSARY. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH ITS SIGN CONTRACTOR AND MAKING SURE THE JOB IS DONE ON TIME. FULLY DETAILED SHOP DRAWINGS MUST BE SUBMITTED TO THE ARCHITECT FOR REVIEW. THESE ARCHITECTURAL DRAWINGS ONLY SHOW LIMITED DESIGN DETAILS AND ARE NOT ADEQUATE FOR CONSTRUCTION OF THE SIGN. SEE SIGN SHOP DRAWINGS. SIGN DRAWINGS WILL BE PREPARED BY OTHERS AND ARE UNDER SEPARATE PERMIT.
2. BARRIER LAWS FOR THE PHYSICALLY HANDICAPPED ARE MINIMUM GUIDELINES. SHOULD THERE BE A CONFLICT BETWEEN THESE MINIMUM REQUIREMENTS AND WHAT IS CALLED FOR ON THE DRAWINGS, THE CONTRACTOR IS TO INFORM THE ARCHITECT FOR WRITTEN AND/OR GRAPHIC CLARIFICATION PRIOR TO PROCEEDING WITH WORK SO AFFECTED.

IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO VERIFY IF THE EXISTING FIRE SPRINKLER SYSTEM NEEDS TO BE MODIFIED IN ORDER TO ACCOMMODATE THE RENOVATION SPACE. THIS INCLUDES ALL AFFECTED AREAS TO INCLUDE MAIN LOBBY AND ADJACENT ROOMS. IF REQUIRED, THE CONTRACTOR MUST SUBMIT FIRE SPRINKLER SHOP DRAWINGS AND OBTAIN A FIRE SPRINKLER PERMIT FROM THE LOCAL FIRE DEPARTMENT AND / OR BUILDING DEPARTMENT. ALL COSTS AND FEES SHOULD BE INCLUDED IN THE CONTRACTOR'S BID PROPOSAL TO THE OWNER. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AN INSPECTION FOR APPROVAL AND SIGN-OFF FOR THE MODIFIED FIRE SPRINKLER SYSTEM BY THE FIRE DEPARTMENT AND BUILDING INSPECTOR.

GENERAL CONTRACTOR TO PERFORM A LINE JETTING OF ALL PLUMBING LINES AFTER NEW WORK IS COMPLETE. GENERAL CONTRACTOR MUST SUPPLY CERTIFICATE OF INVOICE WITH CLOSE OUT PACKAGE.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
NOTHING SHOWN IN THESE DRAWINGS SHALL BE CONSTRUED AS PERMISSION TO VIOLATE ANY GOVERNING
CODES.

A. THE GENERAL CONTRACTOR (G.C.) WILL PAY FOR ALL APPLICABLE BUILDING AND SIGNAGE PERMIT AND ANY LOCAL JURISDICTION FEES OR ASSESSMENTS AS APPLICABLE. HOWEVER, THE GENERAL CONTRACTOR SHALL INCORPORATE ALL MECHANICAL, ELECTRICAL, PLUMBING (M.E.P.) AND CIVIL PERMITS AS NECESSARY IN HIS / HER BID PROPOSAL TO THE OWNER. THE M.E.P. AND CIVIL PERMITS WILL NOT BE PAID BY THE ARCHITECT. THE G.C. WILL PHYSICALLY PULL THE BUILDING PERMIT AND THE SIGNAGE PERMIT. THE G.C. MUST COORDINATE WITH HIS / HER SUBCONTRACTORS TO ENSURE THEIR APPLICABLE PERMITS ARE PULLED. THE G.C. AND ALL SUBCONTRACTORS PERFORMING WORK ON SITE MUST OBTAIN THEIR MUNICIPALITY BUSINESS LICENSES AT THEIR EXPENSE PRIOR TO START OF CONSTRUCTION. NOT HAVING ALL SUBCONTRACTOR BUSINESS LICENSES PAID FOR AT THE MUNICIPALITY MAY PREVENT THE PROJECT FROM FINAL LOCAL JURISDICTION APPROVAL AND SIGN-OFF.

B. THERE MAY BE INSTANCES WHERE THERE ARE OUTSTANDING PLAN CHECK FEES THAT HAVE NOT BEEN PAID. THE G.C. WILL COORDINATE WITH THE APPROPRIATE MUNICIPALITY PLANNING AND / OR BUILDING DEPARTMENT AND DETERMINE ANY OUTSTANDING FEES. THE G.C. WILL NOTIFY THE ARCHITECT AND RECEIVE APPROVAL PRIOR TO PAYING THESE OUTSTANDING FEES. THIS WILL ALLOW THE G.C. TO NOT BE DELAYED IN PULLING THE BUILDING PERMIT.

C. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE TO HIRE HIS / HER OWN SIGNAGE SUBCONTRACTOR FOR THE PROJECT.

A. THE INTENTION OF THESE DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND TRANSPORTATION NECESSARY FOR THE COMPLETE AND PROPER EXECUTION OF THE WORK INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORK. THE CONTRACTOR WILL IN NO WAY BE RESPONSIBLE FOR HOW THE FIELD WORK IS PERFORMED, SAFETY IN, OR ABOUT, THE JOB SITE METHODS OF PERFORMANCE OR TIMELINES IN THE PERFORMANCE OF THE WORK. IF DISCREPANCIES EXIST BETWEEN PLANS OF DIFFERENT SCALES, THE LARGER SCALE PLAN TYPICALLY WILL GOVERN. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY WRITTEN OR GRAPHIC CLARIFICATION OF SUCH DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

B. ALL ARCHITECT CLARIFICATIONS WILL BE WRITTEN AND / OR GRAPHIC VIA ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS, CHANGE ORDERS OR CONSTRUCTION DIRECTIVES.

A. ALL BIDDERS PRIOR TO SUBMITTAL OF BIDS SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THE ARCHITECT'S PLANS & EXISTING CONDITIONS AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY OR OMISSIONS OF ANY INFORMATION NECESSARY FOR COMPLETION OF THEIR SCOPE OF WORK.

B. ALL TRADES SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS AND SERVICES REQUIRED TO PERFORM ALL WORK NECESSARY, INDICATED OR REASONABLY INFERRED OR REQUIRED BY ANY APPLICABLE CODE TO COMPLETE THEIR SCOPE OF WORK FOR A COMPLETE AND PROPERLY FINISHED JOB.

C. CONTRACTORS PRIOR TO BIDDING SHALL GUARANTEE THAT ALL OTHER SUB-BIDDERS OR SUB CONTRACTORS SHALL BE IDENTIFIED AND THAT ALL ITEMS THAT THEY HAVE INCLUDED IN THEIR BIDS SHALL BE ABSORBED BY THE GENERAL CONTRACTOR AT HIS OR HER OWN EXPENSE AND IN NO WAY WILL AFFECT ANY ADDITIONAL COST OVER AND ABOVE THE FINAL BID.

D. ALL TRADES SHALL PROVIDE BIDS ACCORDING TO THE PLANS AND SPECIFICATIONS. ANY ALTERNATE SHALL BE SUBMITTED TO THE OWNER (IN WRITING) FOR APPROVAL PRIOR TO ACCEPTANCE OF BID.

- A. PRIOR TO COMMENCING, THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS AND VERIFY CONDITIONS AT THE SITE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH WORK. CONTRACTOR SHALL VERIFY W/ THE PROPER UTILITY AGENCIES OR OTHER SERVICE OR COMPANY THE LOCATIONS OF ALL EXISTING BELOW GRADE UTILITIES AND THEIR SERVICE CONNECTION PRIOR TO THE COMMENCEMENT OF WORK.
- B. NO CONTRACTOR OR SUB-CONTRACTOR IS TO START ANY WORK UNTIL A THOROUGH EXAMINATION OF ALL THE EXISTING CONDITIONS IS PERFORMED. IF FOR ANY REASON A SATISFACTORY JOB IS IMPOSSIBLE, IT SHALL BE IMMEDIATELY REPORTED TO THE PROJECT SUPERINTENDENT AND ARCHITECT FOR WRITTEN OR GRAPHIC CLARIFICATION BEFORE PROCEEDING WITH THE JOB.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FOR SELECTING FABRICATION PROCESSES, FOR TECHNIQUES OF ASSEMBLY, FOR COORDINATION OF MATERIALS WITH THAT OF OTHER TRADES AND FOR PERFORMING ALL WORK IN A SAFE AND SATISFACTORY MANNER.
- D. CONTRACTOR TO VERIFY AND ENSURE AVAILABILITY AND TIMELY DELIVERY OF SPECIFIED OR SUBSTITUTED PRODUCTS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ARCHITECT OF POSSIBLE CHANGES TO CONSTRUCTION DOCUMENTS OR ANY CONSTRUCTION DELAY DUE TO NON AVAILABILITY OR LATE DELIVERY OF MATERIALS. CONTRACTOR (& NOT THE ARCHITECT) IS RESPONSIBLE FOR NON AVAILABILITY OR LATE DELIVERY OF PRODUCTS DURING CONSTRUCTION.
- E. ANY CONTRACTOR PRIOR TO INSTALLATION OR PROCUREMENT OF MATERIALS SHALL NOTIFY ARCHITECT OF PROBLEMS IF ANY. FAILURE TO DO SO SHALL MEAN THAT ALL NECESSARY CORRECTIVE MEASURE, DOCUMENTATION, ETC. SHALL BE DONE BY THAT CONTRACTOR AT HIS OWN EXPENSE AND TIME.
- F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE BUILDING LINES AND LEVELS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND LEVelling ALL THE WORK ON THE DRAWINGS WITH EXISTING LEVELS FOR THE CONSTRUCTION OF THE WORK AND SHALL BRING TO THE ARCHITECT'S ATTENTION OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- G. PROVIDE ALL NECESSARY BACKING AND FRAMING FOR ALL WALL MOUNTED ITEMS, LIGHT FIXTURES AND ALL OTHER ITEMS REQUIRED.

A. THE DESIGN PROFESSIONAL (DP) SHALL CONSULT WITH THE CLIENT REGARDING THE PROBABLE SERVICES REQUIRED TO COMPLY WITH BUILDING CODES AND AMERICANS WITH DISABILITIES ACT (ADA). THE DP IS NOT AN ADVISOR; HE OR SHE SHOULD THE CLIENT'S RENDERING AN OPINION OF PROBABLE SERVICES. THESE COMMENTS BE CONSIDERED EQUIVALENT TO A LEGAL INTERPRETATION OF ADA. THE DP'S OPINION WILL BE BASED SOLELY ON CODES, HER OWN EXPERIENCE AND KNOWLEDGE. THIS REQUIRES THE DP TO MAKE A CERTAIN NUMBER OF ASSUMPTIONS AS TO THE TYPES OF DISABILITIES COVERED BY ADA. THE DEGREE OF ACCESS THAT IS REASONABLY ACHIEVABLE AND WHAT CONSTITUTES READILY ACCESSIBLE AND USABLE: GIVEN THE ASSUMPTIONS WHICH MUST BE MADE THE DP CANNOT AND DOES NOT GUARANTEE THE ACCURACY OF HIS / HER OPINION AS TO FULL COMPLIANCE AND IN RECOGNITION OF THAT FACT, THE CLIENT WAIVES ANY CLAIM AGAINST THE DP RELATIVE TO THE ADEQUACY OF THE OPINION TO FULLY COMPLY WITH BUILDING CODES AND ADA REQUIREMENTS.

B. THE ARCHITECT WHO SIGN THESE PLANS, SPECIFICATIONS AND OTHER INSTRUMENTS OF SERVICE SHALL NOT BE HELD RESPONSIBLE FOR DAMAGES RESULTING FROM CHANGES OR USES NOT AUTHORIZED OR APPROVED BY THE ARCHITECT. THE SIGNING OF THESE DOCUMENTS WILL NOT IMPOSE A LEGAL DUTY OR RESPONSIBILITY TO OBSERVE THE CONSTRUCTION AND / OR INSTALLATION OF THE FIXED WORKS SUBJECT TO THESE DOCUMENTS.

C. ALL BRACING NECESSARY FOR CONSTRUCTION PURPOSES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

D. THE DESIGN ADEQUACY AND SAFETY OF THE ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO THE APPLICATION OF ALL SHEAR WALLS, ROOF AND FLOOR DIAPHRAGMS AND FINISH MATERIALS. THE CONTRACTOR SHALL PROVIDE THE NECESSARY BRACING TO PROVIDE STABILITY PRIOR TO THE APPLICATION OF THE AFOREMENTIONED MATERIALS. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

UNLESS NOTED OTHERWISE, THE INTENTION OF THE DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT & TRANSPORTATION NECESSARY FOR COMPLETE AND PROPER EXECUTION OF THE WORK

NO SUBSTITUTION SHALL BE MADE WITHOUT THE ARCHITECT'S APPROVAL.

THE OWNER OR ARCHITECT MAY ORDER EXTRA WORK OR MAKE CHANGES BY ALTERING, ADDING TO, OR DEDUCTING FROM THE WORK. THE CONTRACT SUM BEING ADJUSTED ACCORDINGLY.

ALL TRADES SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS AND PERFORM ALL WORK NECESSARY, REASONABLY INFERRED OR REQUIRED BY ANY CODE OR REGULATION ADOPTED BY LOCAL JURISDICTION, TO COMPLETE THEIR SCOPE OF WORK FOR A COMPLETE AND PROPERLY FINISHED JOB.

ALL TRADES SHALL DO THEIR OWN CUTTING, FITTING, PATCHING, ETC. TO MAKE THE SEVERAL PARTS COME TOGETHER PROPERLY AND FIT IT TO RECEIVE OR BE RECEIVED BY WORK OF OTHER TRADES.

THE CONTRACTOR SHALL CLEANUP, REMOVE AND RECYCLE IN A LEGAL MANNER AND NOT DISPOSE IN LANDFILL ALL DEBRIS AND WASTE ATTRIBUTED TO THE JOB.

GENERAL CONTRACTOR TO KEEP AN ACCURATE RECORD OF CHANGES IN FIELD AND SUBMIT A COMPLETE SET OF AS-BUILT DRAWINGS TO THE ARCHITECT FOR HIS / HER REVIEW AND TO THE OWNER. FOREMAN TO HAVE AN ACCURATE FLOOR PLAN AND PROJECT SCHEDULE ON-SITE AT ALL TIMES.



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CONSULTANT

PROJECT

LOCATION

PURE BARRE

INTERIOR TENANT IMPROVEMENT

910-U NORTHWEST BLUE PARKWAY

LEE'S SUMMIT, MO 64086

SHEET TITLE

GENERAL CONSTRUCTION NOTES
& RESPONSIBILITY MATRIX

STAMP



DATE SIGNED: 2020-04-13
RENEWAL DATE: 2020-12-31

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ARE DISCLAIMED.

REVISIONS

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DATE
2020.04.10

PROJECT NUMBER
A2275

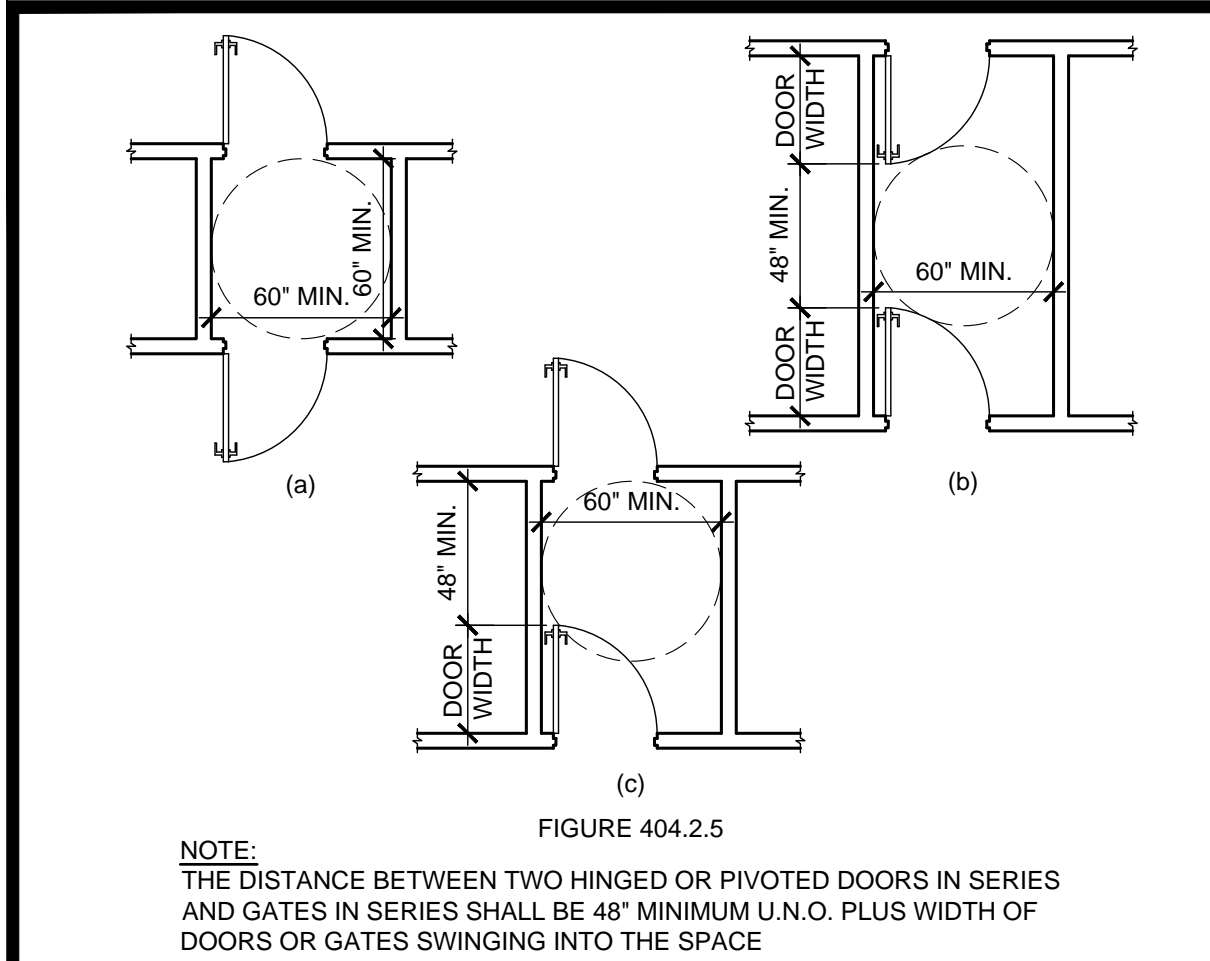
SHEET NUMBER

T1

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RELEASE FOR
CONSTRUCTION
AS NOTED IN PLANS REVIEW
DEVELOPMENT SERVICES

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NOTE:
THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48" MINIMUM U.N.O. PLUS WIDTH OF DOORS OR GATES SWINGING INTO THE SPACE

ACCESSIBLE DOORS IN A SERIES

SCALE

17

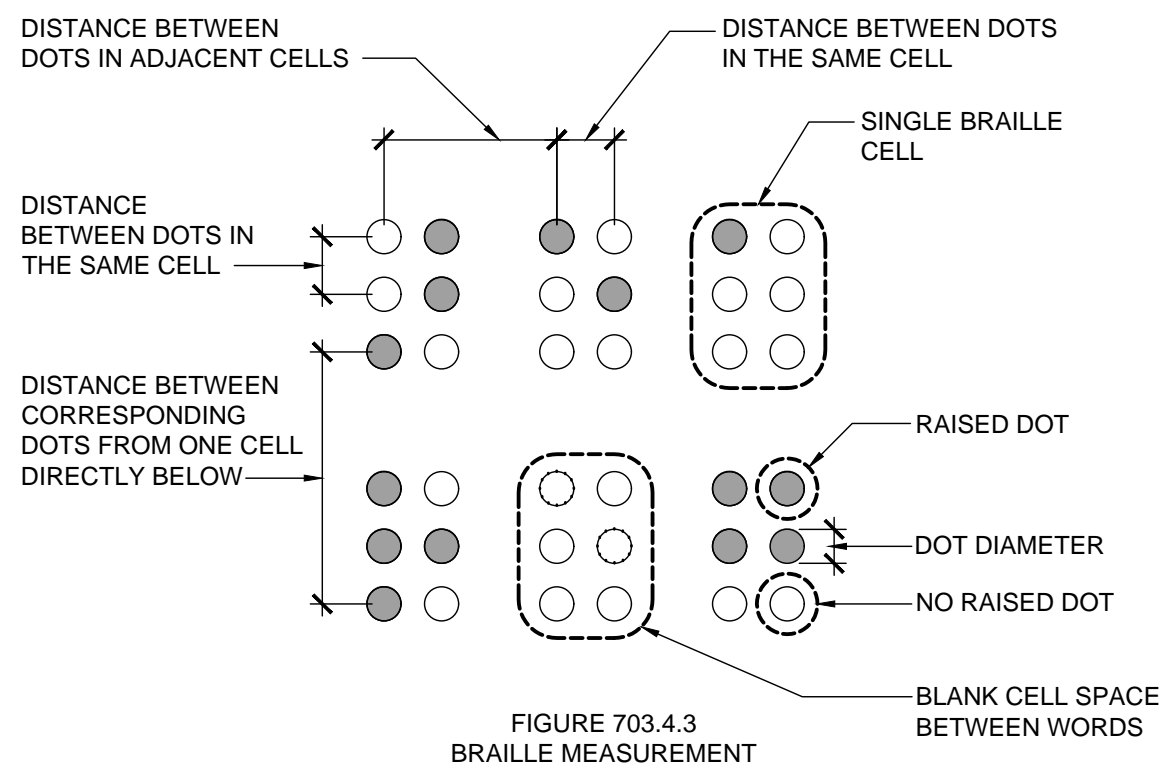
SIGNS

- WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED AT SIGNS, EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERS, SHALL BE PROVIDED.
- RAISED CHARACTERS SHALL BE DUPLICATED IN BRAILLE. RAISED CHARACTERS SHALL BE 1/32 INCH (0.8 MM) MINIMUM ABOVE THEIR BACKGROUND. CHARACTERS SHALL BE UPPERCASE CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8 INCH (16 MM) MINIMUM, AND 2 INCH MAXIMUM. THE STROKE WIDTH SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I" MEASURED AT THE TOP SURFACE OF THE CHARACTER, AND 30 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I" MEASURED AT THE BASE OF THE CHARACTER. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8 INCH (3.2 MM) MINIMUM MEASURED AT THE TOP SURFACE OF THE CHARACTERS, 1/16 INCH MINIMUM MEASURED AT THE BASE OF THE CHARACTERS AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8 INCH (9.5 MM) MINIMUM. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE RAISED CHARACTER HEIGHT.

TABLE 703.4.3 BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 TO 0.063
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL	0.090 TO 0.100
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS ¹	0.241 TO 0.300
DOT HEIGHT	0.025 TO 0.037
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW ¹	0.395 TO 0.400

1. MEASURED CENTER TO CENTER



- BRAILLE SHALL BE CONTRACTED (GRADE 2)
- BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS
- BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH (9.5 MM) MINIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH (9.5 MM) MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

SIGNS / BRAILLE

SCALE

20

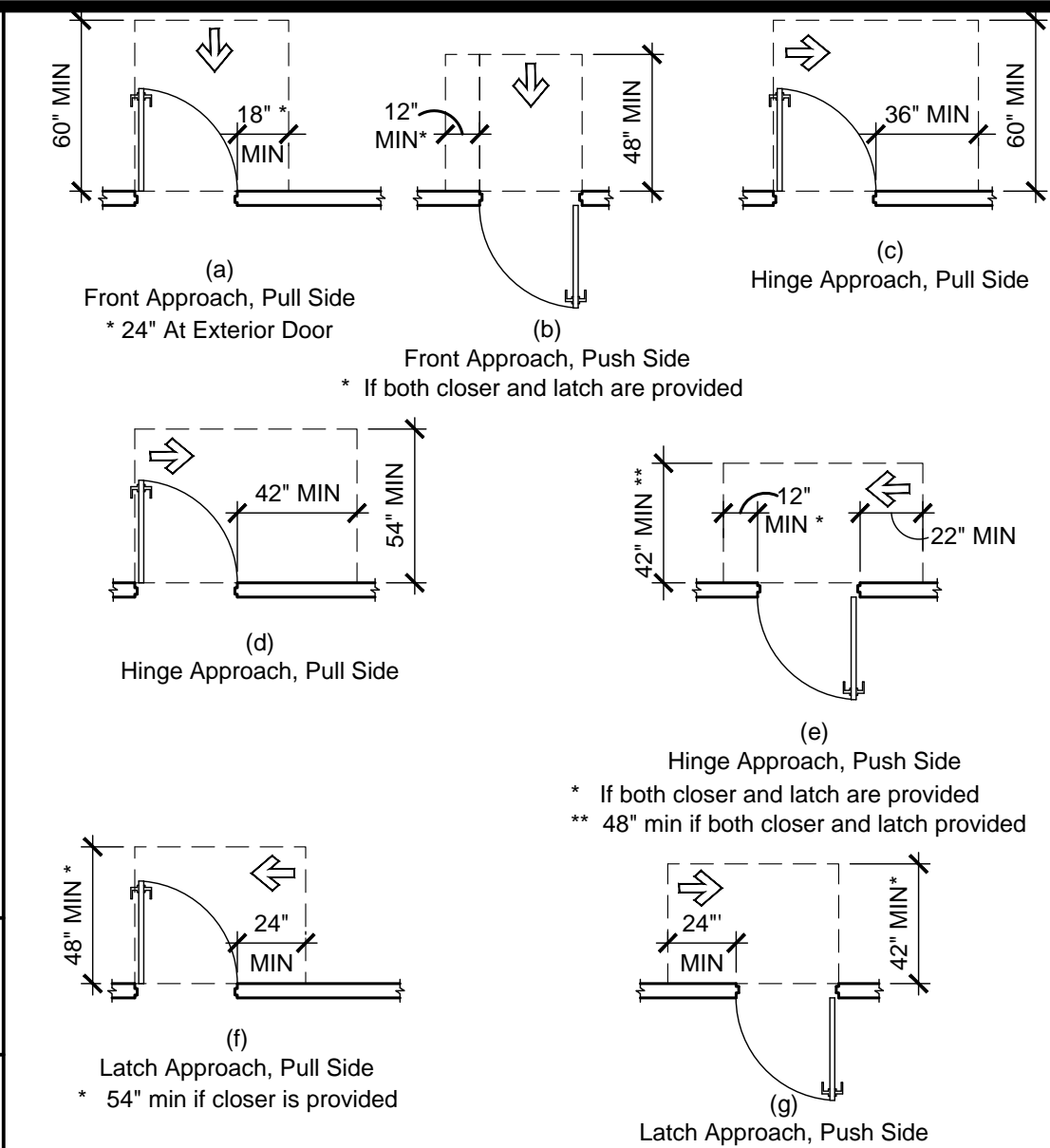


FIGURE 404.2.3.1
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS

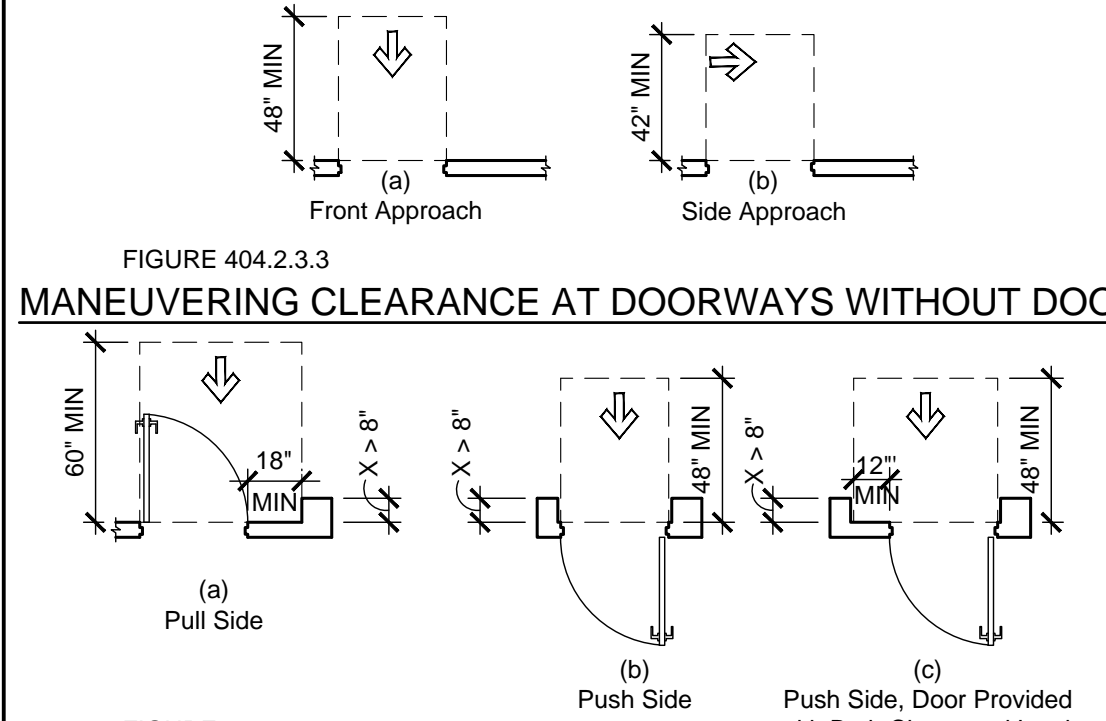


FIGURE 404.2.3.4
MANEUVERING CLEARANCE AT RECESSED DOORS

TYPE OF USE		MINIMUM MANEUVERING CLEARANCE	
APPROACH DIRECTION	DOOR OR GATE	PERPENDICULAR TO DOORWAY	PARALLEL TO DOORWAY (beyond latch side unless noted)
FRONT	PULL	60 INCHES	18 INCHES
FRONT	PUSH	48 INCHES	0 INCHES ³
HINGE	PULL	60 INCHES	36 INCHES
HINGE	PULL	54 INCHES	42 INCHES
HINGE	PUSH	42 INCHES ¹	22 INCHES ^{3, 4}
LATCH	PULL	48 INCHES ²	24 INCHES
LATCH	PUSH	42 INCHES ²	24 INCHES

- ADD 6" IF CLOSER AND LATCH ARE PROVIDED.
- ADD 6" IF CLOSER IS PROVIDED.
- ADD 12" BEYOND LATCH IF CLOSER AND LATCH ARE PROVIDED.
- BEYOND HINGE SIDE

TABLE 404.2.3.1

- MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS
- NOTES:
- DOOR HARDWARE: HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS SHALL BE 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.
 - DOORWAYS SHALL HAVE A CLEAR OPENING WIDTH OF 32 INCHES MINIMUM

ACCESSIBLE DOOR CLEARANCES

SCALE

15

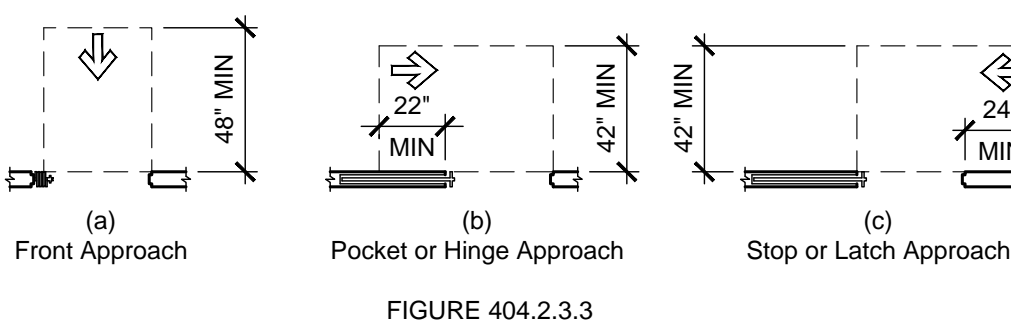


FIGURE 404.2.3.3
MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

MANEUVERING CLEARANCE AT DOORWAYS WITHOUT DOORS			
APPROACH DIRECTION	MINIMUM MANEUVERING CLEARANCE		
	PERPENDICULAR TO DOORWAY	PARALLEL TO DOORWAY (beyond stop or latch side unless noted)	
	FROM FRONT	48 INCHES	0 INCHES
	FROM NON-LATCH SIDE	42 INCHES	22 INCHES ¹
	FROM LATCH SIDE	42 INCHES	24 INCHES

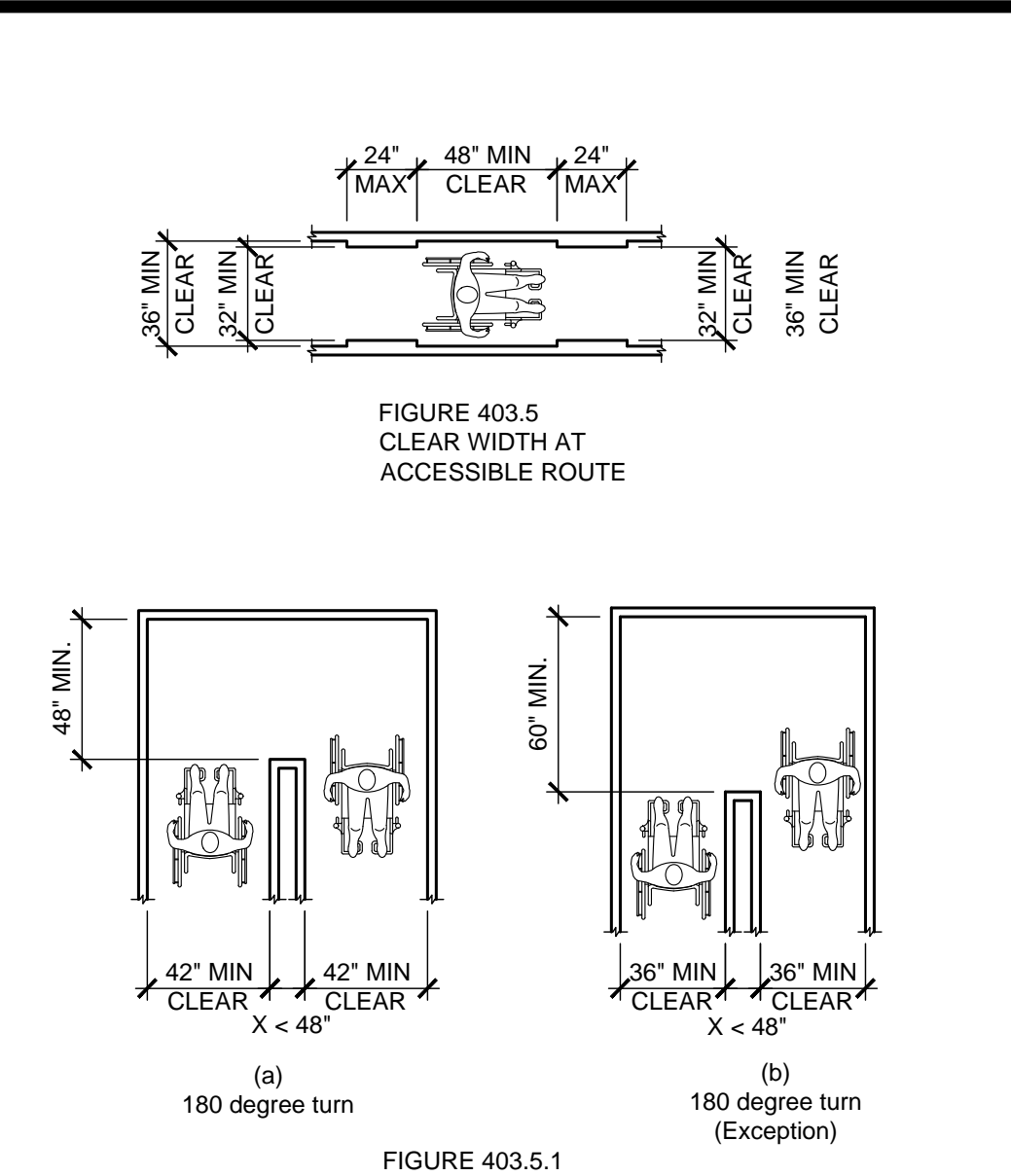
1. BEYOND POCKET / HINGE SIDE.

TABLE 404.2.3.2

ACCESSIBLE DOOR CLEARANCES

SCALE

16



NOTES:

- THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32" MINIMUM FOR A LENGTH OF 24" MAXIMUM PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48" LONG MINIMUM AND 36" WIDE MINIMUM.
- WHERE THE ACCESSIBLE ROUTE MAKE A 180 DEGREE TURN AROUND AN ELEMENT WHICH IS LESS THAN 48" WIDE, CLEAR WIDTH SHALL BE 42" MINIMUM APPROACHING THE TURN, 48" MINIMUM AT THE TURN AND 42" MINIMUM LEAVING THE TURN.
- WHERE THE CLEAR WIDTH AT THE TURN IS 60" MINIMUM COMPLIANCE WITH NOTE 2 SHALL NOT BE REQUIRED.
- AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60" SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200' MAXIMUM. PASSING SPACES SHALL BE EITHER: 60" MINIMUM BY 60" MINIMUM; OR, AN INTERSECTION OF TWO WALKING SURFACES PROVIDING A T-SHAPED SPACE COMPLYING WITH FIGURE 304.3.2 WHERE THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND 48" MINIMUM BEYOND INTERSECTION.

CLEAR WIDTHS

SCALE

10

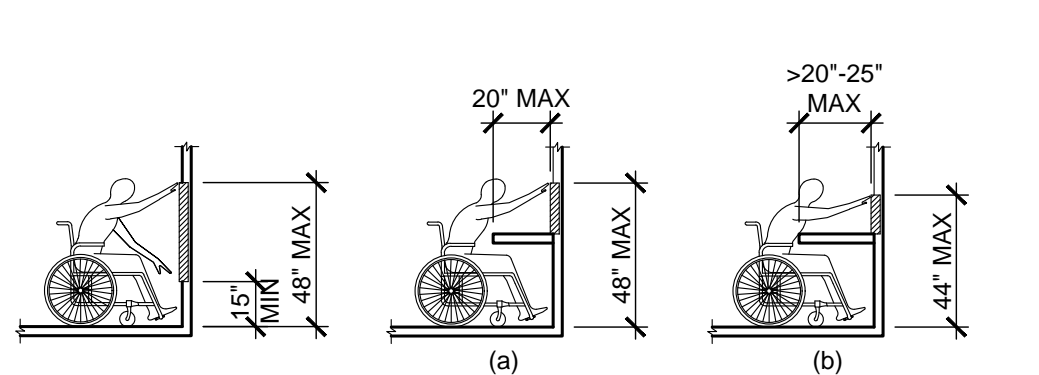


FIGURE 308.2.1
UNOBSTRUCTED FORWARD REACH

NOTES:

- WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48" MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15" MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
- WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48" MAXIMUM WHERE THE REACH DEPTH IS 20" MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20", THE HIGH FORWARD REACH SHALL BE 44" MAXIMUM AND THE REACH DEPTH SHALL BE 25" MAXIMUM.

FORWARD REACH

SCALE

11

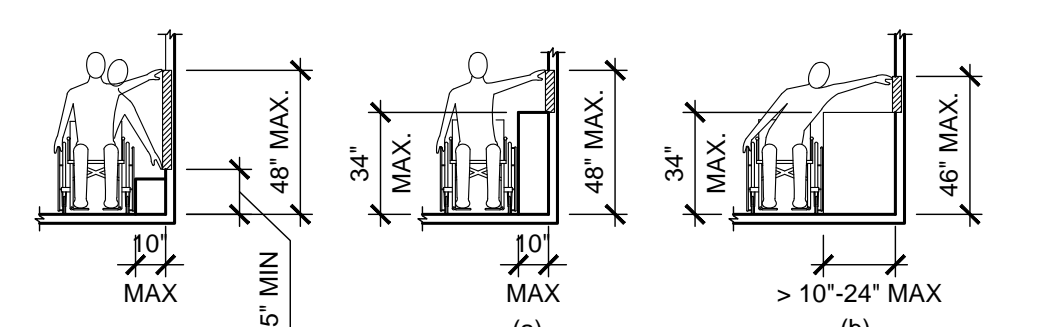


FIGURE 308.3.1
UNOBSTRUCTED SIDE REACH

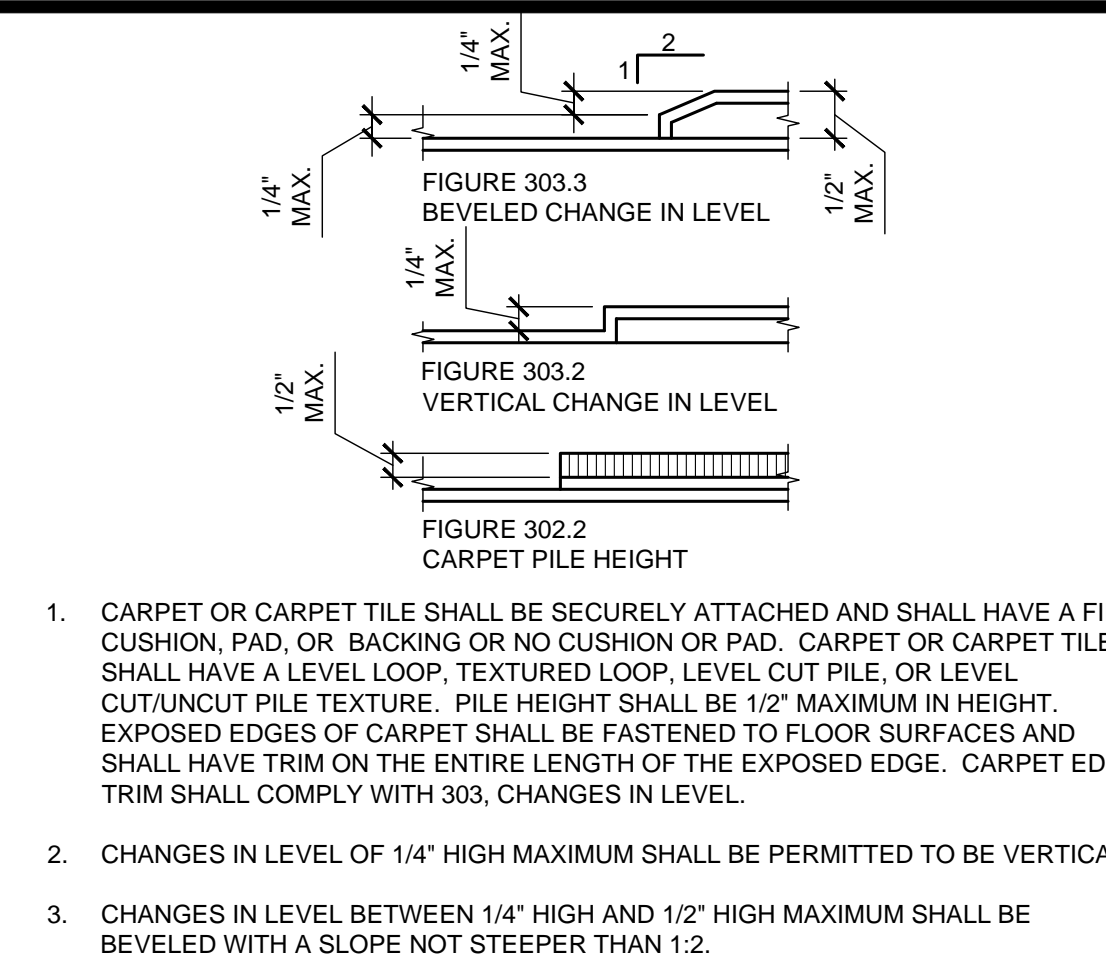
NOTES:

- WHERE A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305 ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE EDGE OF THE CLEAR FLOOR SPACE IS 10 INCHES MAXIMUM FROM THE ELEMENT, THE HIGH SIDE REACH SHALL BE 48" MAXIMUM AND THE LOW SIDE REACH SHALL BE 15" MINIMUM.
- WHERE A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305 ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34" MAXIMUM ABOVE THE FLOOR AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24" MAXIMUM. THE HIGH SIDE REACH SHALL BE 48" MAXIMUM ABOVE THE FLOOR FOR A REACH DEPTH OF 10" MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10", THE HIGH SIDE REACH SHALL BE 46" MAXIMUM ABOVE THE FLOOR FOR A REACH DEPTH OF 24" MAXIMUM.

SIDE REACH

SCALE

12



FLOOR/GROUND SURFACE

SCALE

5

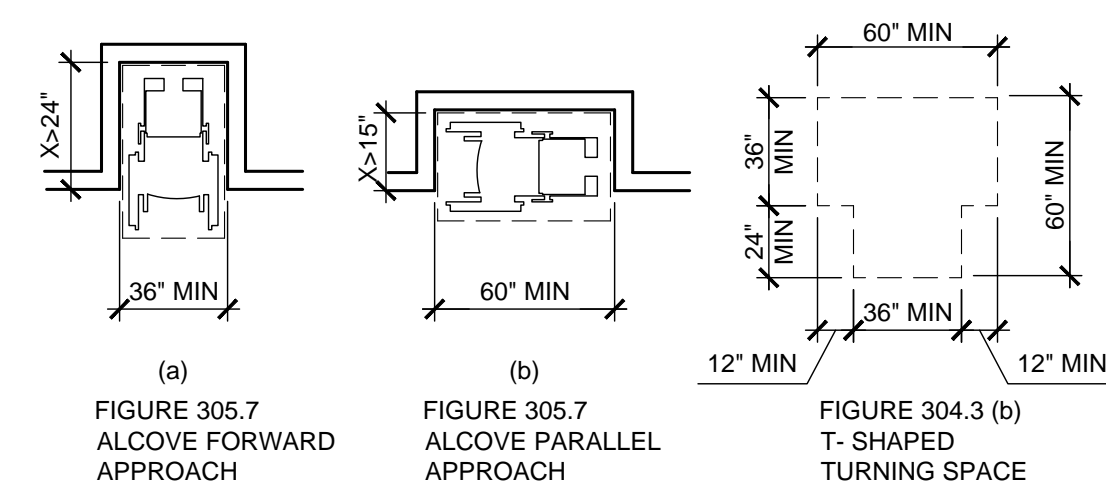


FIGURE 305.7
ALCOVE FORWARD APPROACH

FIGURE 305.7
ALCOVE PARALLEL APPROACH

FIGURE 304.3 (b)
T-SHAPED TURNING SPACE

NOTES:

- THE TURNING SPACE SHALL BE A T-SHAPED SPACE WITHIN A 60" SQUARE MINIMUM WITH ARMS AND BASE 36" WIDE MINIMUM. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12" MINIMUM IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24" MINIMUM. THE TURNING SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM.
- ALCOVES SHALL BE 36" WIDE MINIMUM WHERE THE DEPTH EXCEEDS 24".
- ALCOVES SHALL BE 60" WIDE MINIMUM WHERE THE DEPTH EXCEEDS 15".

MANEUVERING

SCALE

6

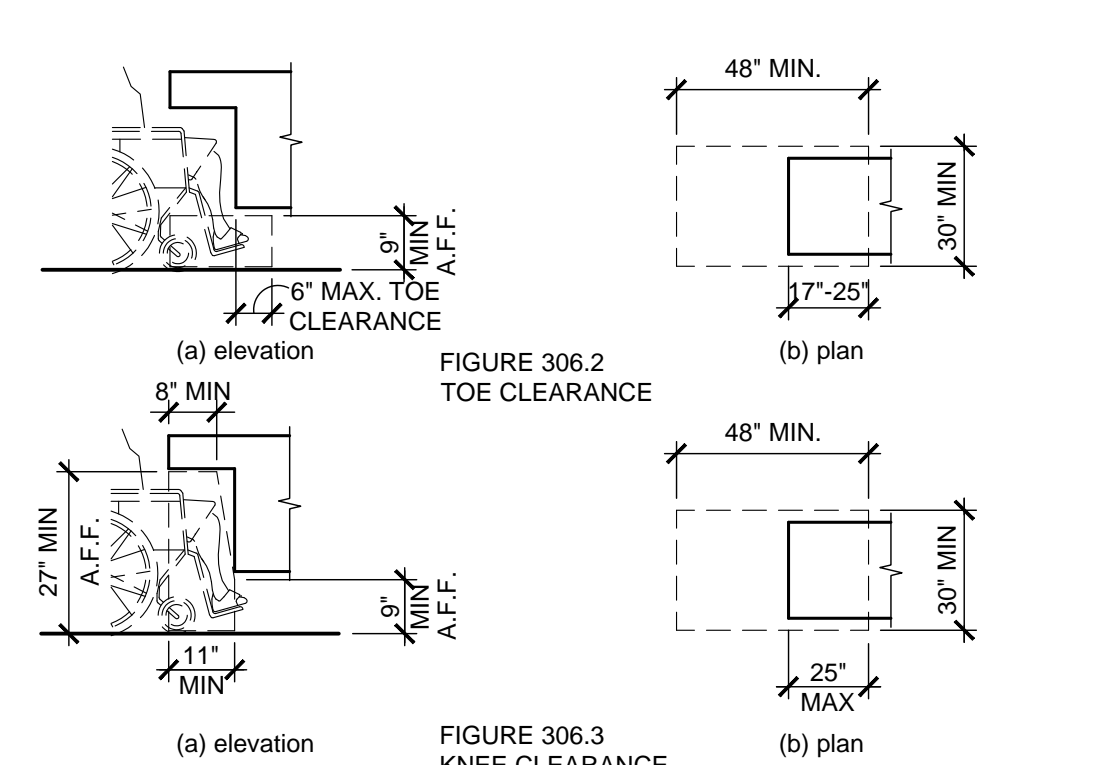


FIGURE 306.2
TOE CLEARANCE

FIGURE 306.3
KNEE CLEARANCE

NOTES:

- SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9" ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE.
- SPACE UNDER AN ELEMENT BETWEEN 9" AND 27" ABOVE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE.

TOE & KNEE CLEARANCE

SCALE

7

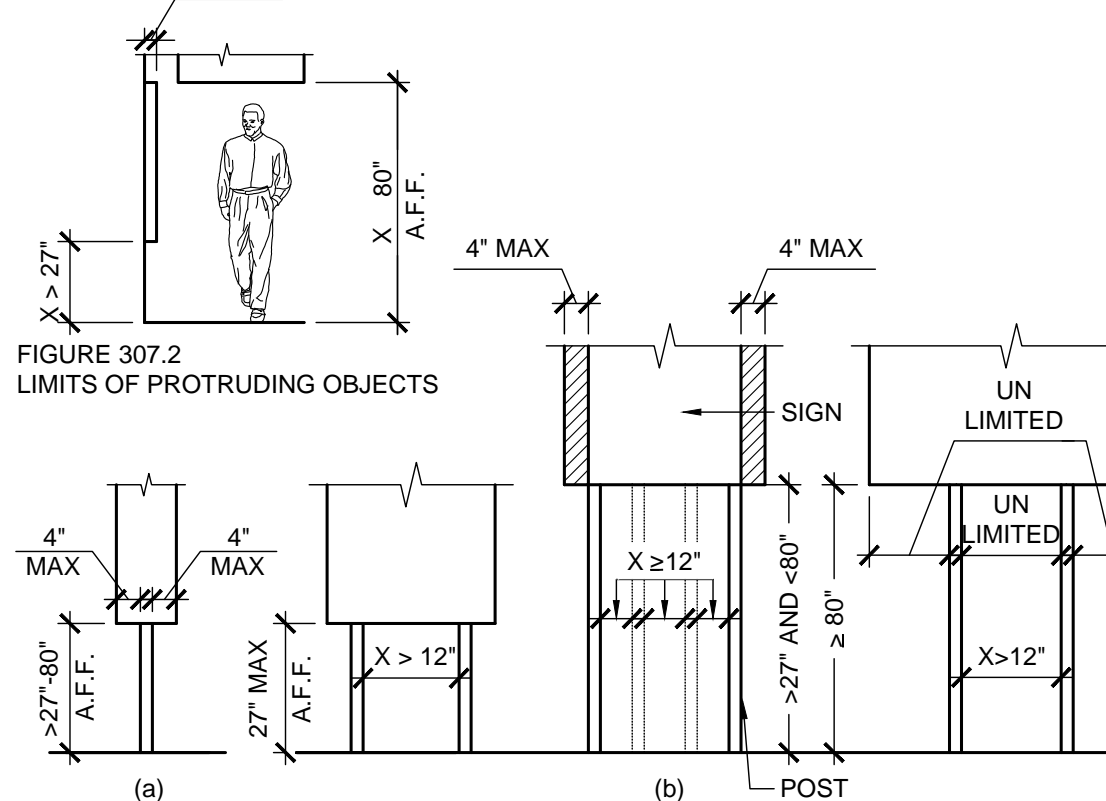


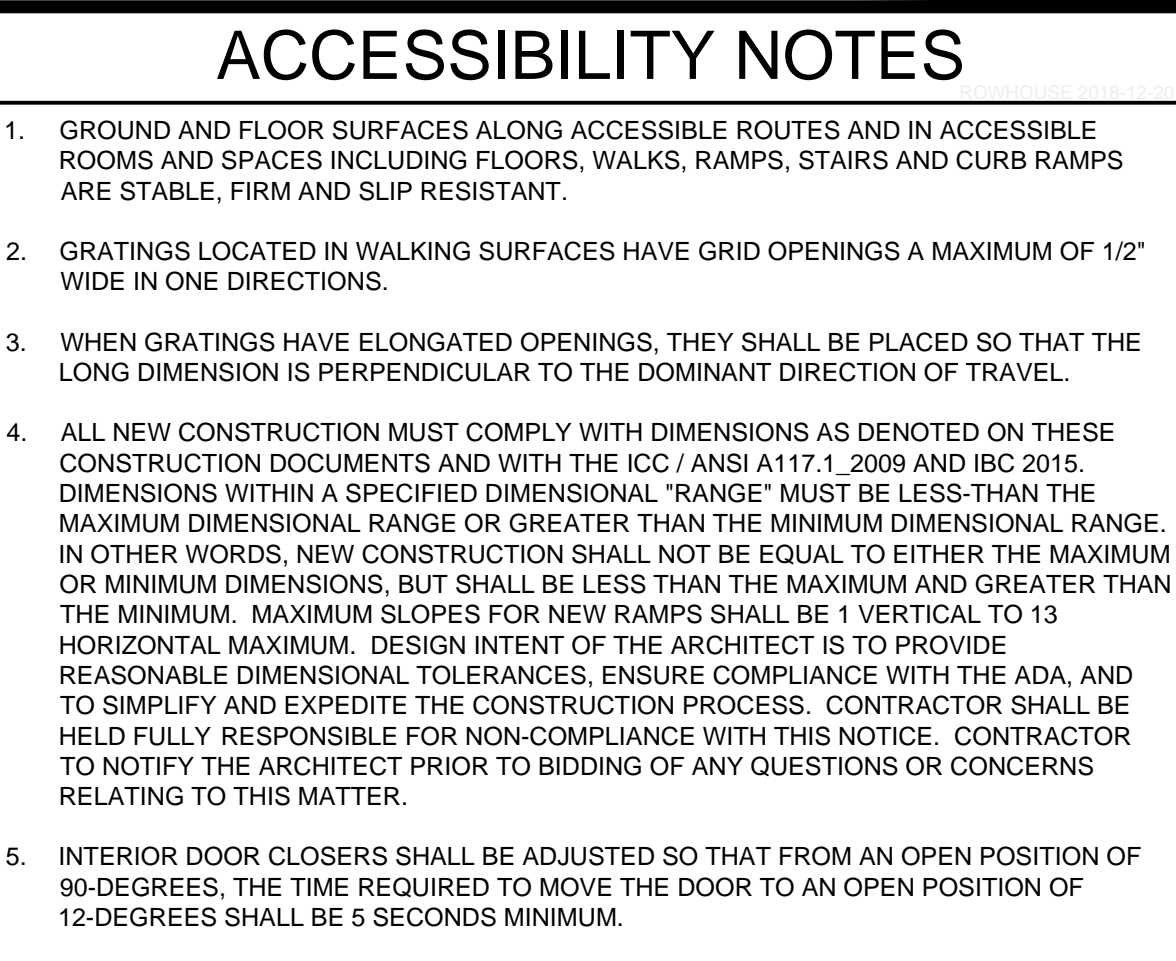
FIGURE 307.2
LIMITS OF PROTRUDING OBJECTS

FIGURE 307.3
POST MOUNTED PROTRUDING OBJECTS

PROTRUDING OBJECTS

SCALE

8



ACCESSIBILITY NOTES

- GROUND AND FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES INCLUDING FLOORS, WALKS, RAMPS, STAIRS AND CURB RAMPS ARE STABLE, FIRM AND SLIP RESISTANT.
- GRATINGS LOCATED IN WALKING SURFACES HAVE GRID OPENINGS A MAXIMUM OF 1/2" WIDE IN ONE DIRECTIONS.
- WHEN GRATINGS HAVE ELONGATED OPENINGS, THEY SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.
- ALL NEW CONSTRUCTION MUST COMPLY WITH DIMENSIONS AS DENOTED ON THESE CONSTRUCTION DOCUMENTS AND WITH THE ICC / ANSI A117.1, 2009 AND IBC 2015. DIMENSIONS WITHIN A SPECIFIED DIMENSIONAL "RANGE" MUST BE LESS THAN THE MAXIMUM DIMENSIONAL RANGE OR GREATER THAN THE MINIMUM DIMENSIONAL RANGE. IN OTHER WORDS, NEW CONSTRUCTION SHALL NOT BE EQUAL TO EITHER THE MAXIMUM OR MINIMUM DIMENSIONS, BUT SHALL BE LESS THAN THE MAXIMUM AND GREATER THAN THE MINIMUM. MAXIMUM SLOPES FOR NEW RAMPS SHALL BE 1 VERTICAL TO 13 HORIZONTAL MAXIMUM. DESIGN INTENT OF THE ARCHITECT IS TO PROVIDE REASONABLE DIMENSIONAL TOLERANCES, ENSURE COMPLIANCE WITH THE ADA, AND TO SIMPLIFY AND EXPEDITE THE CONSTRUCTION PROCESS. CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR NON-COMPLIANCE WITH THIS NOTICE. CONTRACTOR TO NOTIFY THE ARCHITECT PRIOR TO BIDDING OF ANY QUESTIONS OR CONCERNS RELATING TO THIS MATTER.
- INTERIOR DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90-DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12-DEGREES SHALL BE 5 SECONDS MINIMUM.
- INTERIOR DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70-DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5-SECONDS MINIMUM.
- DOOR OPENING FORCE, THE FORCE FOR PUSHING OR PULLING OPEN INTERIOR SWINGING EGRESS DOORS, OTHER THAN FIRE DOORS, SHALL NOT EXCEED 5 POUNDS (22 N). FOR REQUIRED FIRE DOORS, THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15-POUND (67 N) FORCE. THE DOOR SHALL BE SET IN MOTION WHEN SUBJECTED TO A 30-POUND (133 N) FORCE. THE DOOR SHALL SWING TO A FULL-OPEN POSITION WHEN SUBJECTED TO A 15-POUND (67 N) FORCE.
- TEST DOORS FOR DOOR OPENING FORCE AND CLOSING SPEED WITH AIR CONDITIONING AND OTHER FORMS OF MECHANICAL PRESSURIZATION TURNED ON AND ALSO WHEN TURNED OFF.
- POWER-OPERATED DOORS, WHERE MEANS OF EGRESS DOORS ARE OPERATED BY POWER, SUCH AS DOORS WITH A PHOTOELECTRIC-ACTUATED MECHANISM TO OPEN THE DOOR UPON THE APPROACH OF A PERSON, OR DOORS WITH POWER-ASSISTED MANUAL OPERATION, THE DESIGN SHALL BE SUCH THAT IN THE EVENT OF POWER FAILURE, THE DOOR IS CAPABLE OF BEING OPENED MANUALLY TO PERMIT MEANS OF EGRESS TRAVEL OR CLOSED WHERE NECESSARY TO SAFEGUARD MEANS OF EGRESS. THE FORCES REQUIRED TO OPEN THESE DOORS MANUALLY SHALL NOT EXCEED THOSE SPECIFIED IN SECTION 1008.1.3, 2015 IBC, EXCEPT THAT THE FORCE TO SET THE DOOR IN MOTION SHALL NOT EXCEED 50 POUNDS (220 N). THE DOOR SHALL BE CAPABLE OF SWINGING FROM ANY POSITION TO THE FULL WIDTH OF THE OPENING IN WHICH SUCH DOOR IS INSTALLED WHEN A FORCE IS APPLIED TO THE DOOR ON THE SIDE FROM WHICH EGRESS IS MADE. FULL-POWER-OPERATED DOORS SHALL COMPLY WITH BHMA A156.10. POWER-ASSISTED AND LOW-ENERGY DOORS SHALL COMPLY WITH BHMA A156.19.

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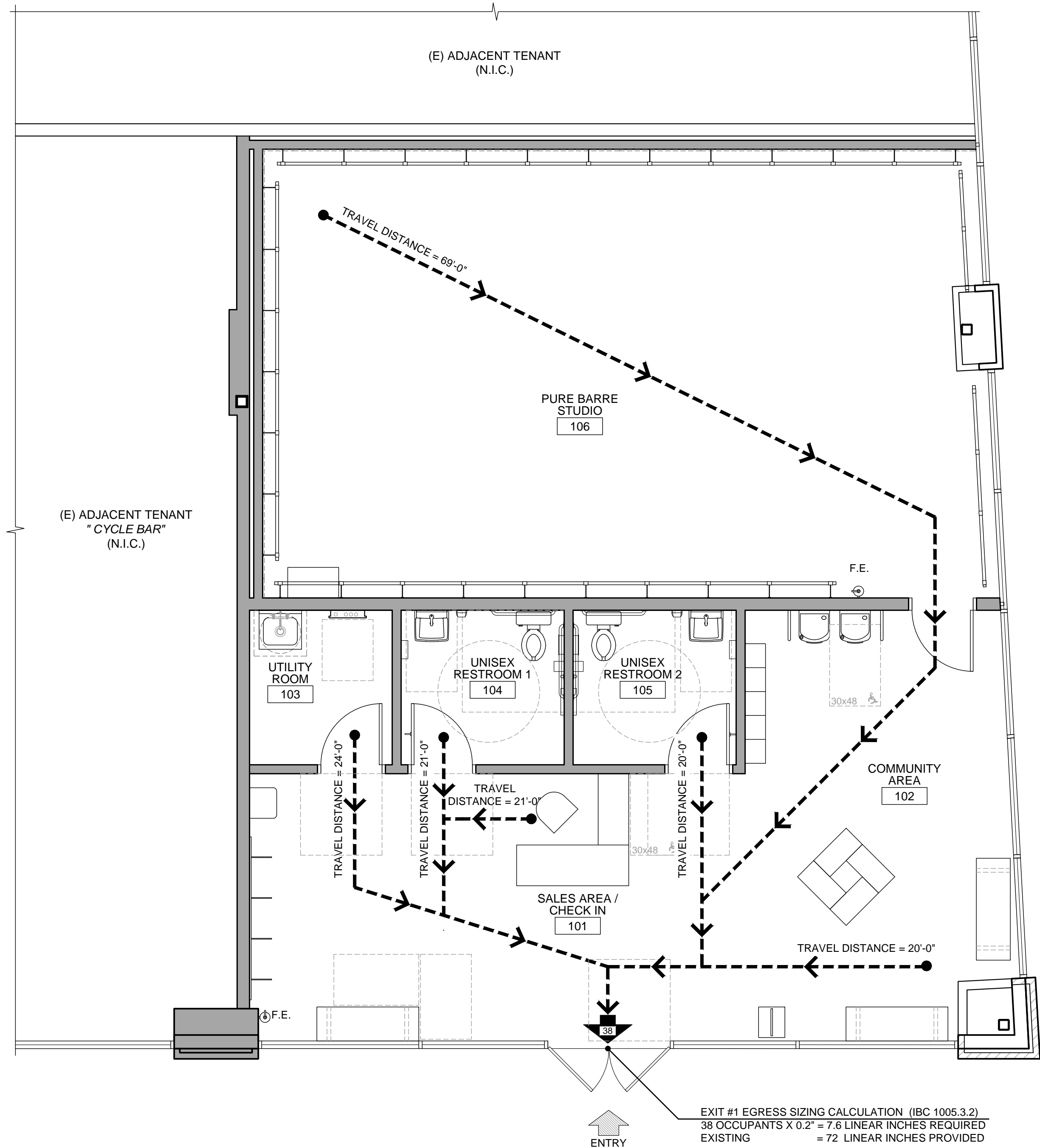
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ADA STANDARDS
ACCESSIBLE DESIGN PLAN
PROJECT LOCATION
SHEET TITLE

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STATE OF MISSOURI
WILLIAM A. ARCHITECT
NUMBER A-2012004034
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RENEWAL DATE: 2020-12-31
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SHEET NUMBER
T1.2
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
04/14/2020
PERMIT SET : 2020_04_10

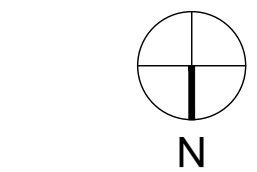
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EXIT #1 EGRESS SIZING CALCULATION (IBC 1005.3.2)
38 OCCUPANTS X 0.2" = 7.6 LINEAR INCHES REQUIRED
EXISTING = 72 LINEAR INCHES PROVIDED

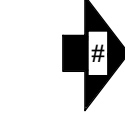
LIFE SAFETY PLAN



SCALE
1/4" = 1'-0"

8

LEGEND



NUMBER OF PEOPLE EXITING

PER IBC 2018 & AMENDMENTS, SECTION AND TABLE 1006.2.1
MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE WITHOUT
SPRINKLER SYSTEM IS 75 FEET.

SEE PLAN FOR TRAVEL DISTANCE ON EACH AREA
MAXIMUM EXIT ACCESS TRAVEL DISTANCE IS 200 FT WITH
SPRINKLER

ANSUL FIRE EXTINGUISHER EXTINGUISHER WILL BE SERVICED
EVERY SIX (6) MONTHS.



F.E.

CLASS A FIRE EXTINGUISHER REQUIRED:
CLASS C FIRE EXTINGUISHERS FOR FIRE HAZARDS
- ORDINARY HAZARD OCCUPANCY.
2-A RATED SINGLE EXTINGUISHER - THE MAXIMUM TRAVEL
DISTANCE TO EXTINGUISHER IS 75 FEET PER IFC TABLE 906.3(1)

- TO BE MOUNTED AT 4'-0" HIGH FROM FINISH FLOOR TO HANDLE
OF FIRE EXTINGUISHER

OCCUPANT LOAD CALCULATION

ROOM NO.	ROOM NAME	AREA (SF)	FACTOR	OCCUPANT
101	SALES AREA / CHECK-IN	100 S.F.	15	7
102	COMMUNITY AREA	485 S.F.	100	5
103	UTILITY	53 S.F.	300	1
104	UNISEX RESTROOM 1	61 S.F.	-	-
105	UNISEX RESTROOM 2	61 S.F.	-	-
106	STUDIO @ 50 LOAD FACTOR = 17 OCCUPANTS	791 S.F.		
ACTUAL NUMBER OF OCCUPANTS				25
NET AREA TOTAL:		1,551 S.F.		
GROSS LEASEABLE AREA TOTAL (INCLUDING WALLS):		1,687 S.F.		
TOTAL OCCUPANTS				38

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CONSULTANT

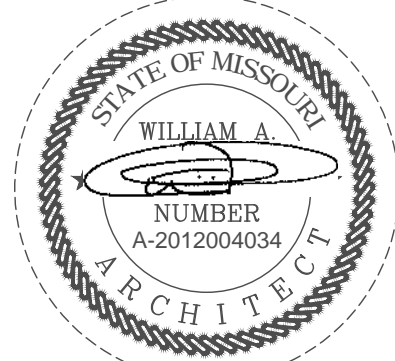
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LIFE SAFETY PLAN

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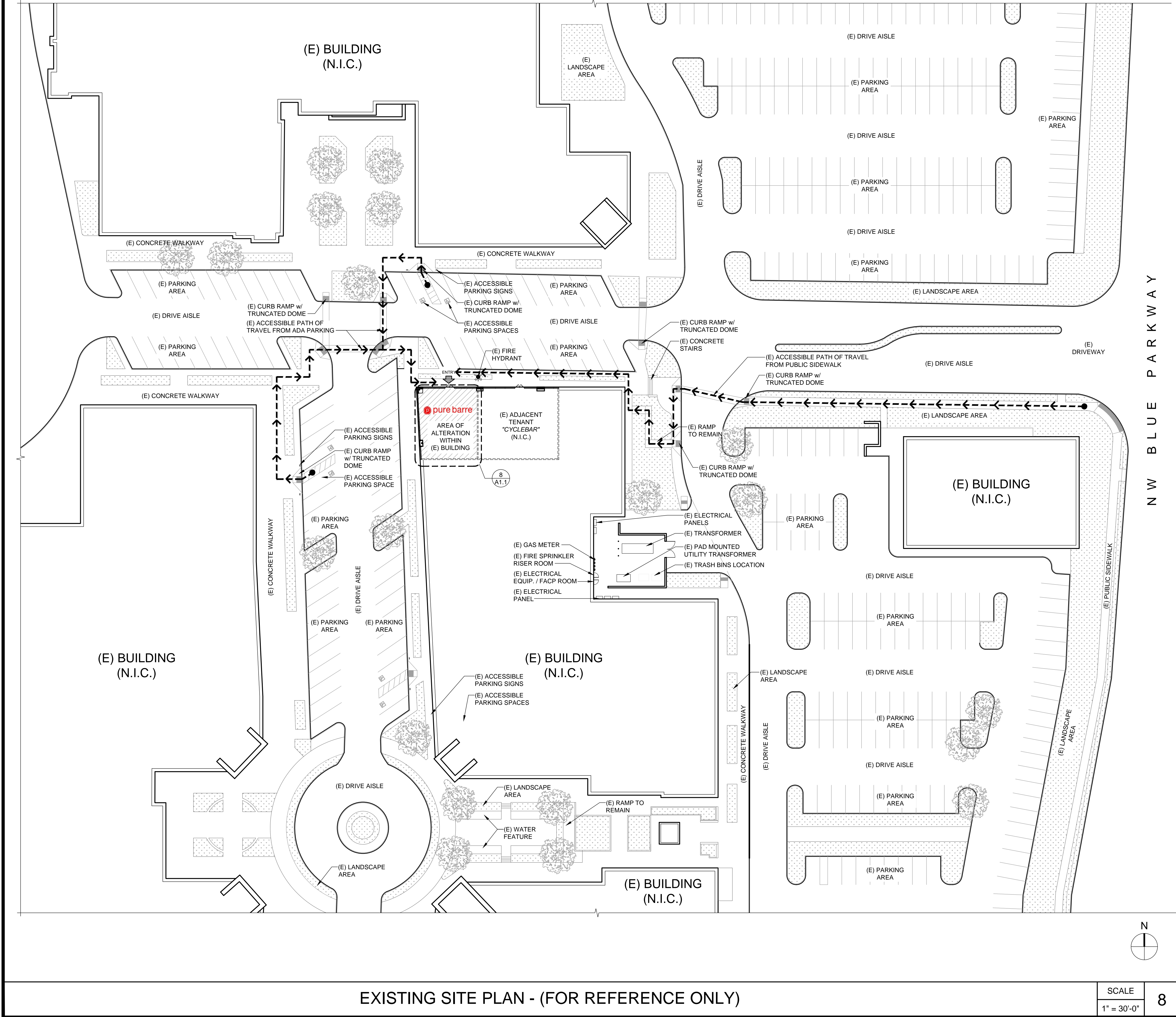
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LEE'S SUMMIT, MISSOURI

04/14/2020

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GENERAL NOTES

1. GENERAL (E) SURFACE DRAINAGE PATTERN, INCLUDING (E) ROOF DRAINAGE LOAD TRANSFERRED TO GROUND LEVEL, IS TO REMAIN AS IS.
2. THIS IS A CONCEPTUAL SITE PLAN. UNLESS OTHERWISE NOTED, ALL ELEMENTS AND CONDITIONS ARE EXISTING.
3. VEHICULAR ACCESS DRIVES MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.
4. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS AND TRAFFIC CONES PER LOCAL REQUIREMENTS. ACCESS TO DRIVEWAYS TO BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL MEASURES SHALL BE APPROVED AND IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY.
5. ALL MATERIALS AND WORKMANSHIP FOR PUBLIC FACILITIES TO CONFORM TO CITY STANDARD CONSTRUCTION SPECIFICATIONS.
6. CONTRACTOR SHALL SWEEP ENTIRE SITE OR PORTIONS OF SITE TO BE USED BY THE PUBLIC AND SURROUNDING RIGHT-OF-WAY AREA OF THE STREET PRIOR TO USE BY THE GENERAL PUBLIC.
7. THE SITE SHALL BE KEPT FREE OF FIRE HAZARDS FROM THE START OF CONSTRUCTION TO FINAL INSPECTION.
8. THE G.C. SHALL IMPLEMENT A BEST MANAGEMENT PRACTICE STORMWATER FOR ALL ACTIVITIES PER LOCAL REQUIREMENTS.
9. THE G.C. IS RESPONSIBLE TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO PERFORMING EXTERIOR WORK. CALL 811 BEFORE DIGGING.
10. G.C. TO VERIFY ANY ABRUPT CHANGE IN LEVEL EXCEEDING 1/2' EXISTING CONCRETE SLAB/ASPHALT TRANSITION FROM ENTRY TO PUBLIC WAY/ ACCESS. G.C. TO PROVIDE CLEAR PATH OF TRAVEL, OR PER LOCAL ORDINANCES.
11. SITE & PARKING ARE EXISTING TO REMAIN UNCHANGED.
12. NEW AND EXISTING BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS, BUILDING NUMBERS OR APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY, CONTRASTING WITH THEIR BACKGROUND, PER LOCAL ORDINANCES.
13. THE G.C. IS RESPONSIBLE TO FIELD VERIFY AND LOCATE ALL WET AND DRY UTILITIES CONNECTION POINTS PRIOR TO ANY DEMOLITION OR CONSTRUCTION. (I.E. GAS, WATER AND SEWER, CLEAN OUTS, ETC.
14. GENERAL CONTRACTOR SHALL REDUCE CONSTRUCTION WASTE AS REQUIRED BY LOCAL REQUIREMENT.

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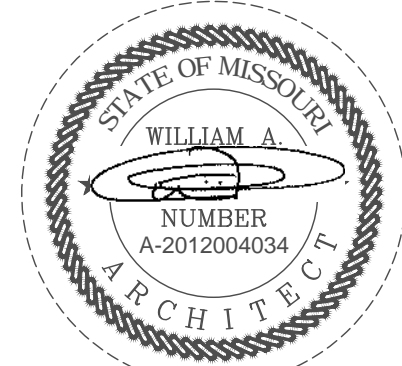
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EXISTING SITE PLAN
(FOR REFERENCE ONLY)

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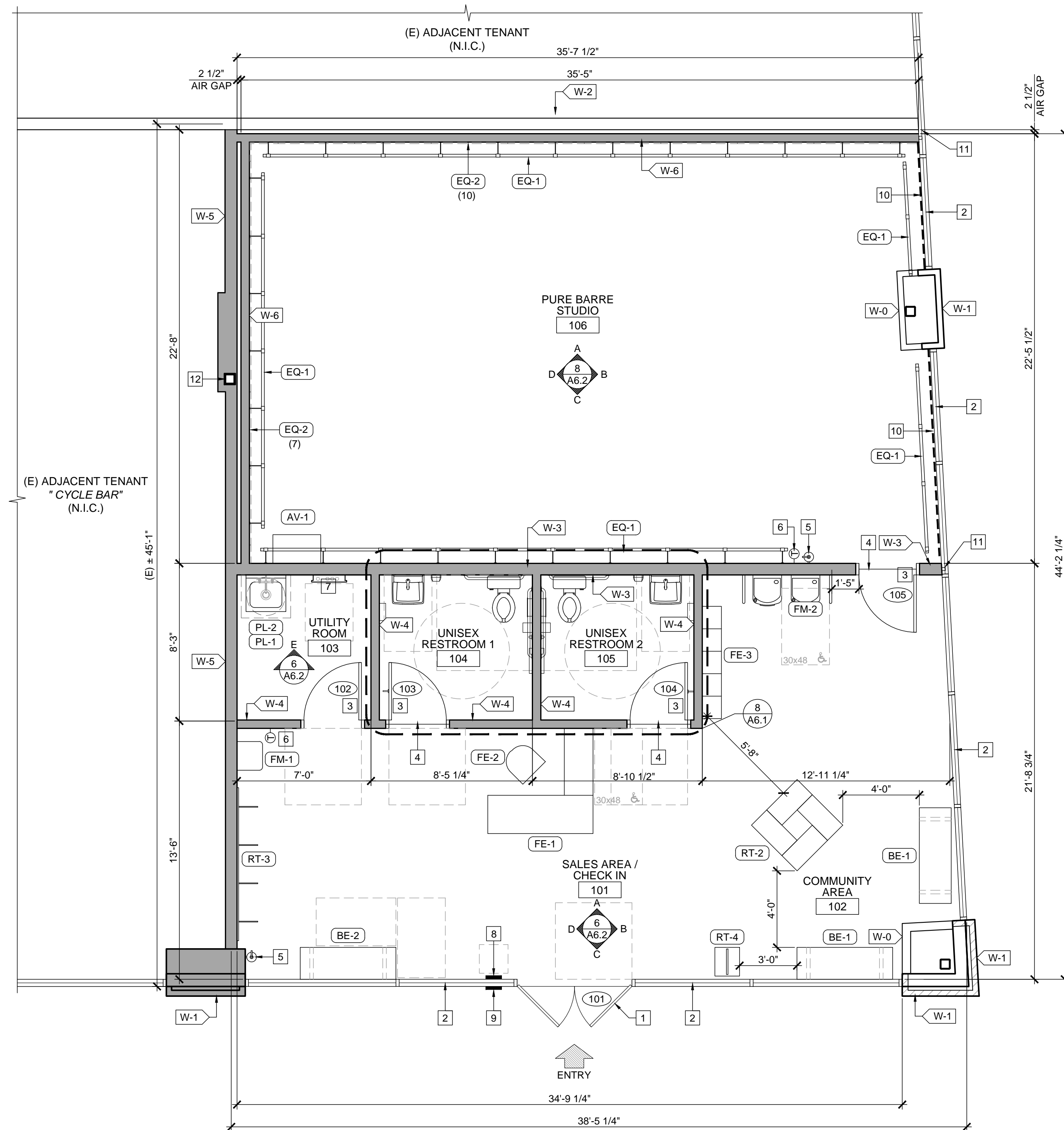
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04/14/2020

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GENERAL NOTES

- | | | | |
|--|--|---|---|
| 1. SEE REFLECTED CEILING PLAN FOR SOFFIT AND LIGHTING INFORMATION. | 6. ALL WORK SHALL BE EXECUTED IN A MANNER ACCEPTABLE TO THE ARCHITECT, OWNER, AND LANDLORD UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR SHALL PROVIDE AND PAY ALL LABOR, MATERIALS EQUIPMENTS, TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY, TRANSPORTATION AND OTHER SERVICES AND FACILITIES NECESSARY FOR PROPER AND TIMELY EXECUTION OF WORK. | 9. PROVIDE DIAGONAL BRACING TO STRUCTURE ABOVE ALL NEW DOORS, GLAZING HEADS AND JAMBS AS REQUIRED TO MAKE ASSEMBLY RIGID. | 13. ALL PLUMBING WALLS ARE TO BE 6" METAL STUD FRAMING. PROVIDE REQUIRED BLOCKING FOR WALL MOUNTED FIXTURES, GRAB BARS, SHELVING, CABINETY, ETC. |
| 2. NOTIFY ARCHITECT IMMEDIATELY OF ANY INCONSISTENCIES OR DISCREPANCIES WITH PLANS IN RELATION TO EXISTING FIELD CONDITIONS. | 7. THE CONTRACTOR WARRANT TO THE OWNER AND TO THE ARCHITECT THAT ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THE CONTRACT ARE NEW UNLESS OTHERWISE SPECIFIED, AND THAT ALL WORKS SHALL BE AS SPECIFIED AND FREE OF DEFECTS. | 10. THE GENERAL CONTRACTOR (G.C.) IS RESPONSIBLE FOR THE FINAL CLEAN UP OF THE AREA OF WORK AND AREA AFFECTED BY CONSTRUCTION; TO INCLUDE BUT NOT LIMITED TO FLOORS, MILLWORK, FIXTURES, ETC. FOLLOWING THE INSTALLATION OF THE MILLWORK. | 14. THERE SHALL BE NO PENETRATIONS TO A DEMISING WALL, U.O.N. IF PENETRATIONS ARE TO BE NOTED, THEN ALL PENETRATIONS INCLUDING CONDUITS, PIPES, DUCTWORK, ETC. SHALL BE UL RATED PER CURRENT CODE REQUIREMENTS. |
| 3. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE ON THE CONSTRUCTION DOCUMENTS. DO NOT EVER SCALE DRAWINGS. | 8. ALL OUTSIDE CORNERS AT DRYWALL PARTITION AND FURRING TO HAVE METAL CORNER BEADS SPACKLE AND SMOOTH. | 11. THE GENERAL CONTRACTOR SHALL COORDINATE THE LOCATIONS FOR THE WALL MOUNTED TELEVISIONS AND GRAPHIC SIGNAGE TO PROVIDE BLOCKING FOR MOUNTING. | 15. NO PLUMBING IS ALLOWED IN DEMISING WALLS. FURRED OUT AS REQUIRED. |
| 4. DIMENSIONS ARE FROM THE FACE OF FINISHED WALL (GWB) TO FACE OF FINISHED WALL (GWB), UNLESS OTHERWISE NOTED ON PLANS. | | 12. ALL WET / PLUMBING WALLS ARE TO BE PROVIDED w/ MOISTURE RESISTANT GYPSUM BOARD. PROVIDE CEMENT BACKER BOARD WHEN TILE IS IN USED. | 16. ALL (E) DEMISING WALLS FOR TENANT SEPARATION ARE NOT TO BE DISTURBED OR MODIFIED IN ANY WAY. |
| 5. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED AND CONDITIONED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN SPECIFICATIONS AND/OR INSTRUCTIONS. | | | |






(N) FLOOR PLAN AND EQUIPMENT PLAN

FIX #		EQUIPMENT LIST		
REF	QT	DESCRIPTION		
AF-1	-	SUBWOOFER		
AV-1	1	AV EQUIPMENT	TBD	
BE-1	2	SEATING BENCH	60" L x 20" W x 17" H	MOVABLE
BE-2	1	ADA SEATING BENCH	MIN. 42" L x 20" W x 17" H	FLOOR MOUNTED
EQ-1	96FT	BALLET BARRE	FIELD VERIFY LENGTH	
EQ-2	17	MIRROR	SEE ELEVATIONS	
EQ-3	-	DEHUMIDIFIER	TBD - MOVABLE	
FE-1	1	RECEPTIONIST DESK W/ ACCESSIBLE SPACE	SEE DETAIL 2/A8.4	
FE-2	1	RECEPTIONIST CHAIR BY OWNER	TBD - MOVABLE	
FE-3	1	CUBBIES	SEE DETAIL 4/A8.4	
RT-1	-	RETAIL - 2-WAY DISPLAY	SEE DETAIL 9/A8.4	
RT-2	1	RETAIL - 4-WAY DISPLAY	SEE DETAIL 10/A8.4	
RT-3	1	RETAIL - SLAT WALL	WALL-MOUNTED	SEE DETAIL 12/A8.4
RT-4	1	RETAIL - TOE SOX DISPLAY	15.5"W x 18" D x 65" H	
FM-1	1	ADA COMPLIANT WATER DISPENSER	SEE DETAIL 12/A8.1	
FM-2	1	HIGH LOW DRINKING FOUNTAIN - ADA	SEE DETAIL 4/T1.3	
PL-1	1	MOP BASIN w/ BACKFLOW PREVENTER	24" L x 24" D x 13" H	
PL-2	1	TANK WATER HEATER	30 GALLONS	
PL-3	-	WASHER	4.5 CU. FT. CAPACITY	STACKED
PL-4	-	DRYER w/ BOOSTER FAN	7.3 CU. FT.	STACKED
PL-5	-	HANDSINK	TBD	
TV-1	-	TELEVISION	TBD	

WALL TYPES

- | | | |
|------|---|------------|
| W-0 | (E) INTERIOR WALL TO REMAIN | |
| W-1 | (E) EXTERIOR WALL TO REMAIN | |
| W-2 | (E) DEMISING WALL TO REMAIN. FULL HEIGHT, TYPE 'X' ON BOTH SIDES | 12
A7.1 |
| W-3 | (N) 6" x 20GA. METAL STUDS @ 16" O.C. w/ 5/8" GYPSUM BD. ON EACH SIDE
ADD ADDITIONAL 5/8" GYPSUM BD. ON THEATRE SIDE | 8
A7.1 |
| W-4 | (N) 3 5/8" x 20GA. METAL STUDS @ 12" O.C. w/ 5/8" GYPSUM BD. ON EACH SIDE | 9
A7.1 |
| W-4A | (N) 6" x 20GA. METAL STUDS @ 16" O.C. w/ 5/8" GYPSUM BD. ON EACH SIDE | 8
A7.1 |
| W-5 | (N) DEMISING WALL 6" x 20GA. METAL STUDS @ 16" O.C. w/ 1 LAYER OF 5/8" TYPE 'X' GYPSUM BD. ON ADJACENT TENANT SIDE (BY OTHERS) AND
(1) LAYERS OF 5/8" TYPE 'X' GYP. BD. ON PURE BARRE SIDE, FULL HEIGHT. | 16
A7.1 |
| W-6 | (N) SOUND WALL 3 5/8" x 20GA. METAL STUDS @ 12" O.C. w/ (2) 5/8" GYPSUM BD. ON ONE SIDE, 2 1/2" AIR GAP, AND (1) 5/8" GYPSUM BD. ON DEMISING WALL | 20
A7.1 |
- NOTE:
- PROVIDE 5/8" WATER AND MOLD RESISTANT GYPSUM BOARD WHERE PLUMBING WALLS OCCUR. TYP.
 - PROVIDE 5/8" TYPE 'X' GYP. BOARD WHERE DEMISING WALLS OCCUR, TYP.
 - ALL WALLS TO RECEIVE 5/8" GYP. BOARD, (U.N.O.).

LEGEND

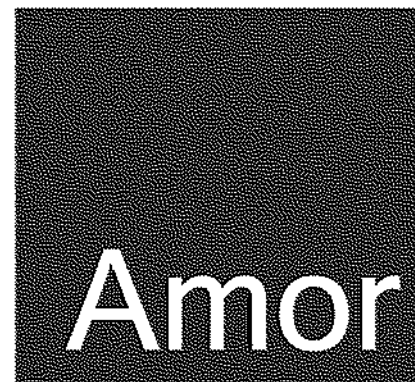
- | | |
|---|---|
|  | 1 DAY PROGRAMMABLE THERMOSTAT, MOUNT T-STAT AT 48" A.F.F., SENSOR AT 96" A.F.F. |
|  | FIRE EXTINGUISHER UNIT. MOUNT HANDLE AT 48" A.F.F. MAX. |
|  | ELECTRICAL PANEL |

KEYNOTES

- | | |
|----|--|
| 1 | (E) DOOR AND FRAME TO REMAIN. SEE DOOR SCHEDULE ON SHEET A8.1 |
| 2 | (E) FIXED STOREFRONT WINDOW TO REMAIN |
| 3 | (N) DOOR AND FRAME. SEE DOOR SCHEDULE ON SHEET A8.1 |
| 4 | (N) TRANSITION STRIP. SEE FINISH SCHEDULE ON SHEET A8.2 |
| 5 | (N) WALL-MOUNTED FIRE EXTINGUISHER UNIT. MOUNT HANDLE AT '+4'-0" AFF. MAX. |
| 6 | PROVIDE (N) THERMOSTAT @ '+4'-0" MAX. A.F.F. SEE TYP. HEIGHT $\left(\frac{17}{A7.1} \right)$ |
| 7 | (N) ELECTRICAL PANEL. SEE ELECTRICAL DRAWINGS |
| 8 | (N) TACTILE EXIT SIGN. PROVIDE '18"x18" CLEAR FLOOR SPACE CTR. TO SIGN |
| 9 | (N) INTERNATIONAL ACCESSIBILITY SYMBOL |
| 10 | PROVIDE ROLL-A-SHADE MANUAL CONTRACT SERIES BLACK-OUT SHADE FABRIC W/ SIDE & BOTTOM CHANNELS WITH 60% TRANSMITTANCE AND STAINLESS STEEL CHAIN AND BLACK HARDWARE GC TO DETERMINE SIZE OF THE POCKET O.F.C.I. |
| 11 | ADD (N) MULL-T-OVER TRIM CLOSURE PIECES AT END WALL PLATE, OR EQUAL. |
| 12 | (E) STRUCTURAL COLUMN TO REMAIN |

Plotted: 4/13/2020 4:48 PM (enadua) File: 07_a2275_a1.1_floor plan.dwg

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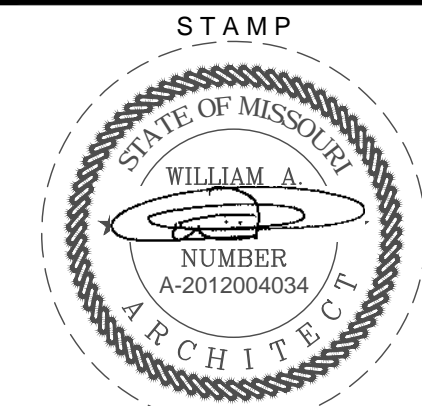
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PURE BARRE
INTERIOR TENANT IMPROVEMENT
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(N) FLOOR PLAN
AND EQUIPMENT PLAN

PROJECT LOCATION

SHEET TITLE



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PROJECT NUM
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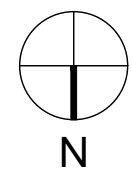
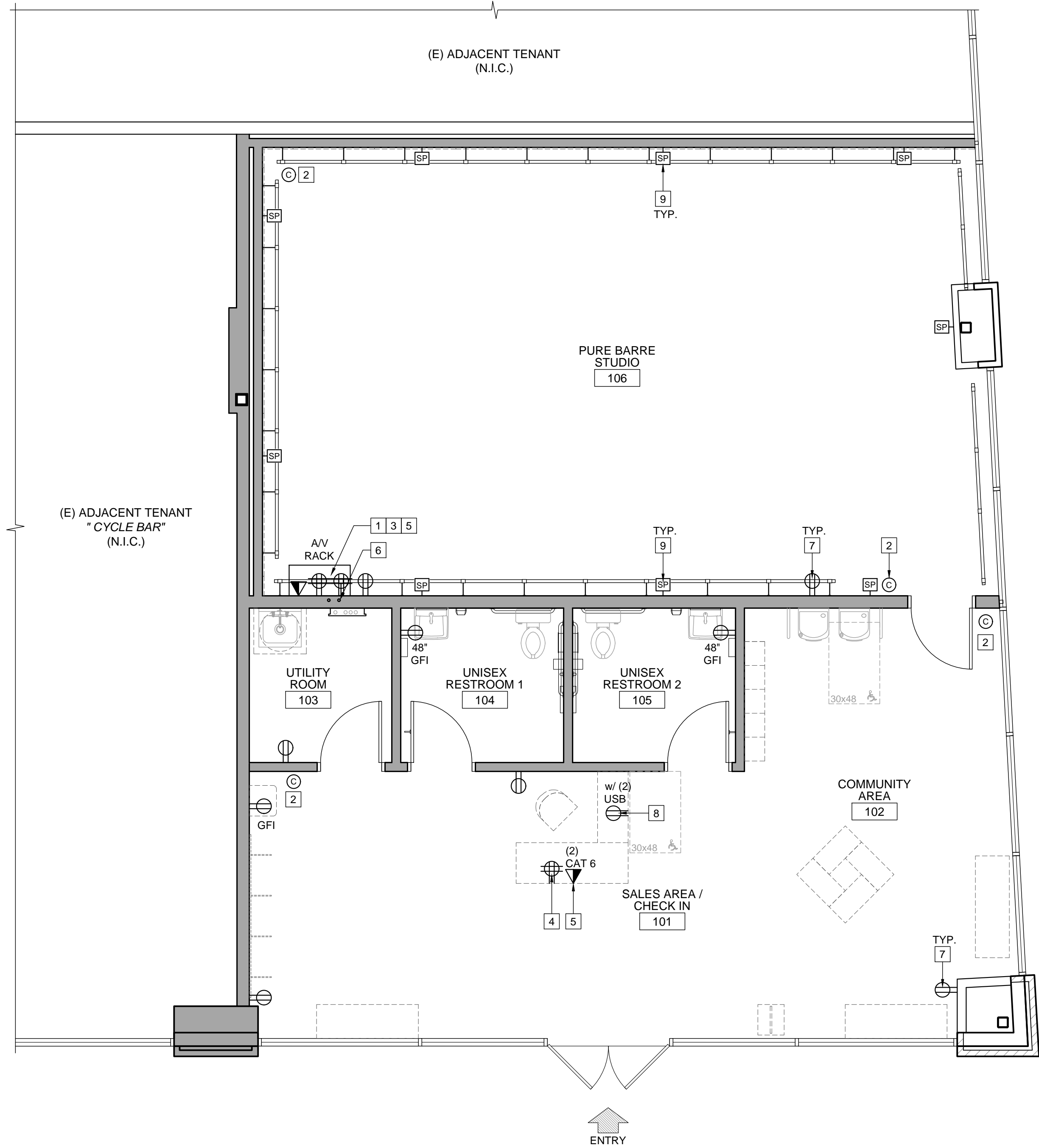
A1.1
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04/14/2020

PERMIT SET : 2020 04 10

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(N) POWER / AUDIO / VISUAL PLAN

SCALE
1/4" = 1'-0"

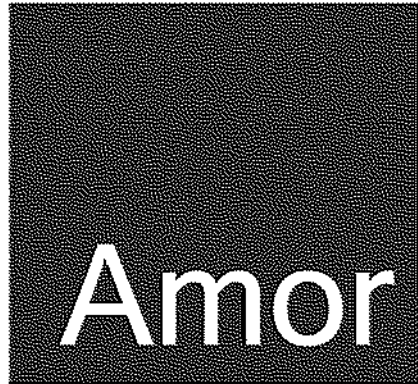
8

LEGEND

- 120V, 20A DUPLEX OUTLET MOUNTED 18" A.F.F. (U.N.O.)
- 120V, 20A DUPLEX OUTLET (DIMENSION DENOTES MOUNTING HEIGHT)
- 120V, 20A QUAD OUTLET MOUNTED 18" A.F.F. (U.N.O.)
- DATA JACK
- TELEPHONE JACK
- CAMERA

KEYNOTES

- (2) 20 AMP CIRCUITS VIA (2) QUAD RECEPTACLES LOCATED AT AV RACK
- G.C. TO PROVIDE (1) CAT6 PLENUM RATED CABLE FOR CAMERAS
- EACH CAMERA CABLE TO BE RAN BACK TO AV RACK LOCATION WITH 15' OF SLACK AT CAMERA LOCATION AND 15' OF SLACK PROTRUDING FROM AV CUT IN RING
- G.C. TO PROVIDE (1) 15 AMP CIRCUIT VIA (1) QUAD RECEPTACLE AT FRONT DESK FOR POS COMPUTER
- G.C. TO PROVIDE (2) CAT 6 PLENUM DATA DROPS NEXT TO FRONT DESK POWER AND TERMINATED WITH KEYSTONE JACKS. DATA DROPS ARE TO BE RAN BACK TO AV RACK LOCATION WITH 15' OF SLACK PROTRUDING FROM 2 GANG AV CUT IN RING
- (2) 1 1/2" CONDUITS STUBBED OUT 6" ABOVE DROP CEILING AND RAN TO A 2 GANG CUT OUT RING AT AV RACK LOCATION
- CONVENIENCE OUTLETS AS NEEDED
- (2) USB/DUPLEX RECEPTACLE FOR IPAD CHCK IN AT FRONT DESK
- (1) 16/2 PLENUM RATED SPEAKER CABLE AT EACH LOCATION. SPEAKER MOUNT HEIGHT @ 9'-0"



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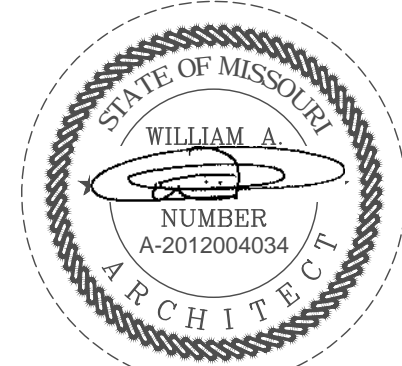
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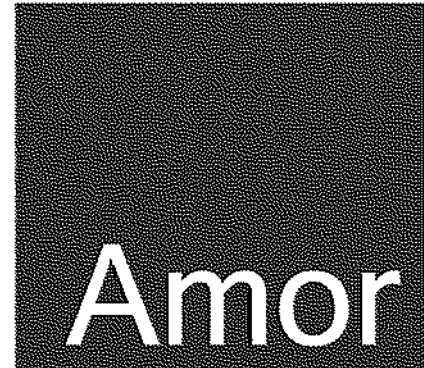
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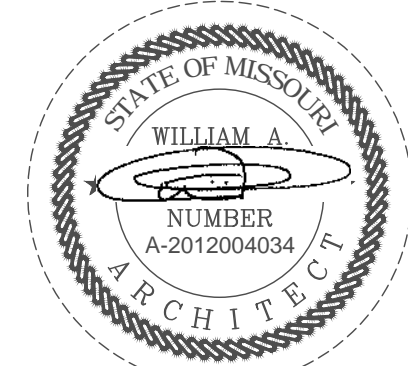
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REFORM / L - BRACKET PLAN
AND DETAILS

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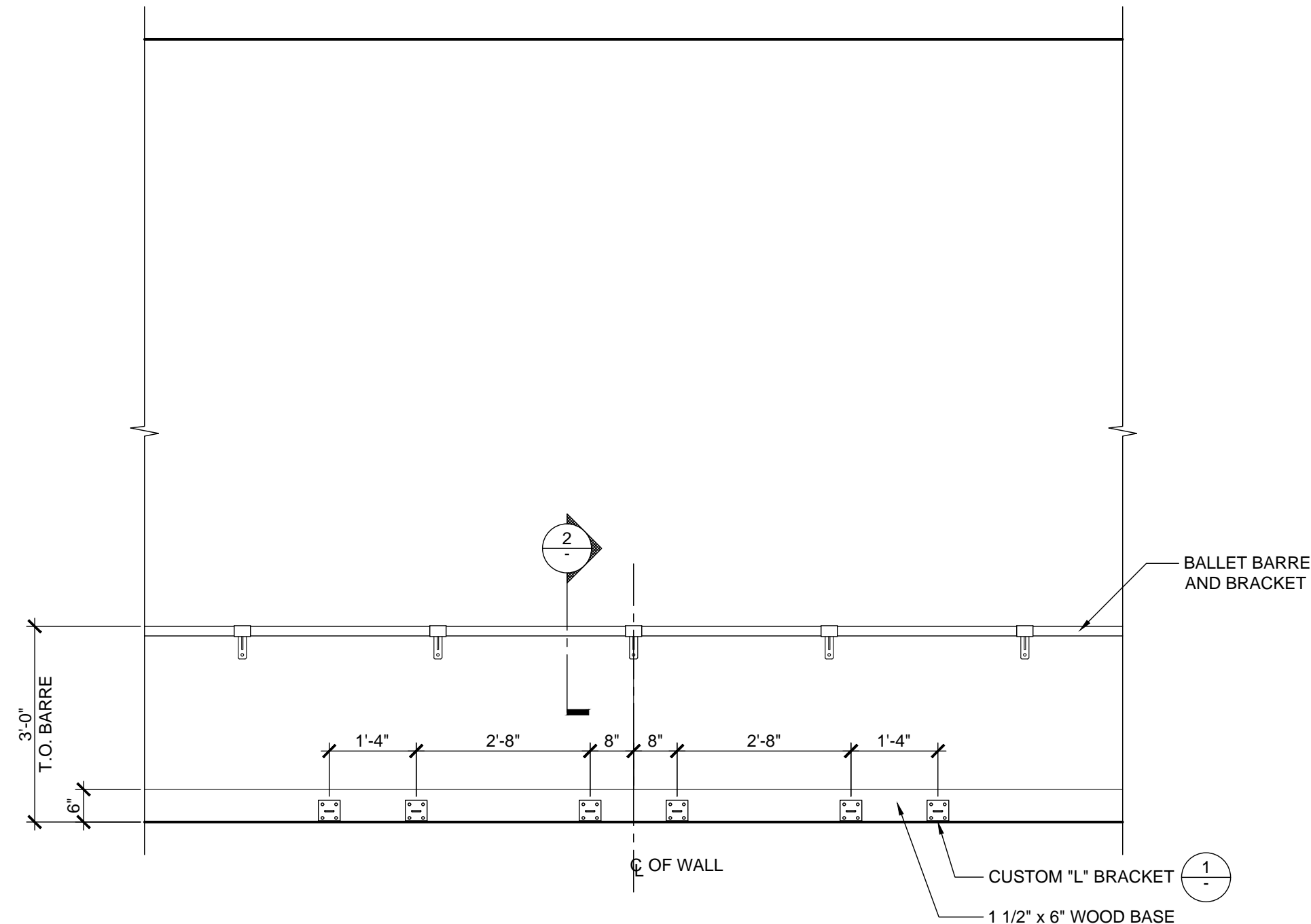
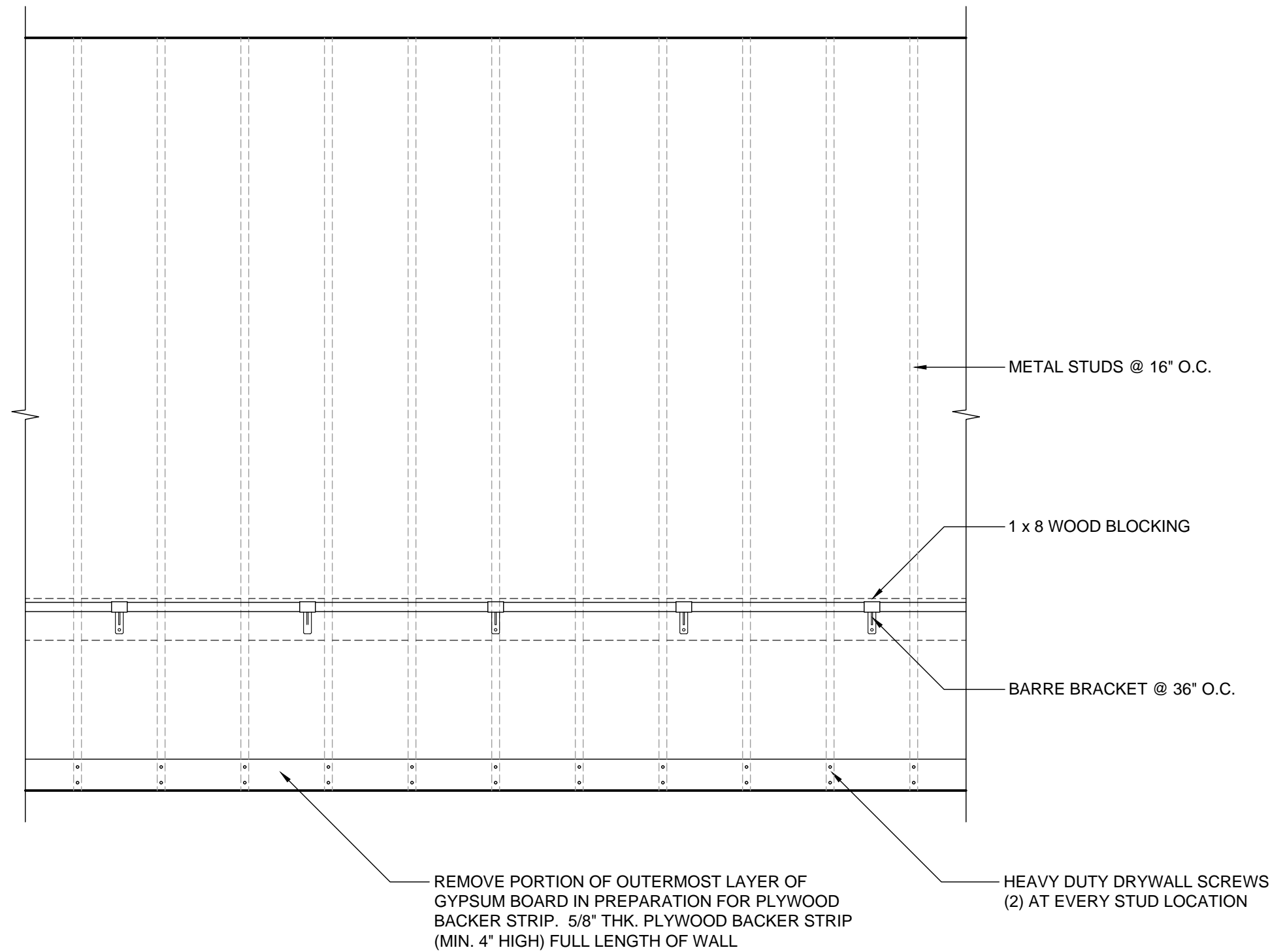
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NOTE:
START THE BRACKET PLACEMENT BY MARKING THE CENTER POINT ALONG EACH WALL.
FROM THERE START MEASURING OUTWARD TOWARDS THE CORNERS OF EACH WALL
STARTING 8" ON EACH SIDE OF THE CENTER POINT THEN FOLLOW THE ILLUSTRATION
ABOVE BY SPACING TO THE CENTER OF EACH BRACKET THEN SCREW INTO PLACE PER
THE INSTALLATION INSTRUCTIONS.

PARTIAL ELEVATION - WALL BASE ANCHOR / BARRE AND BRACKET

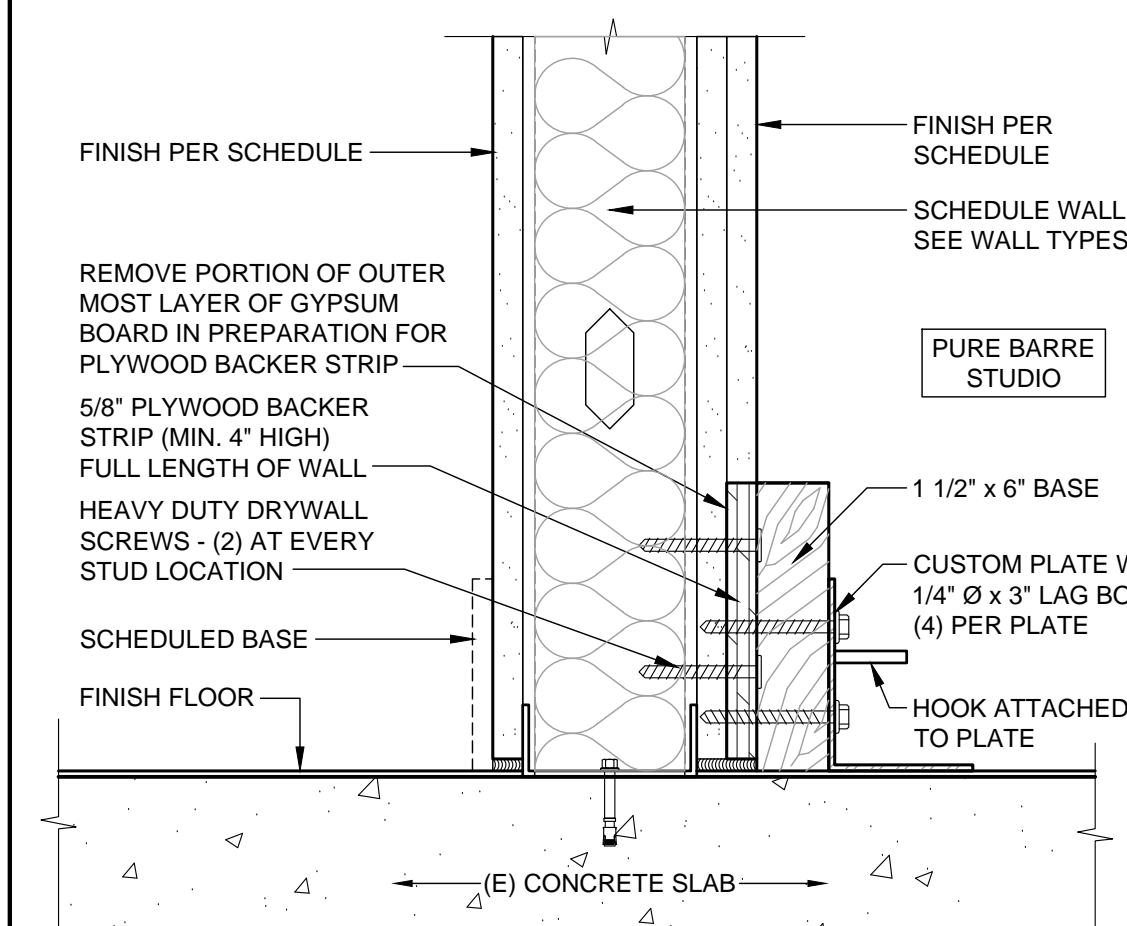
SCALE
1/2" = 1'-0"

6

BARRE BRACKET DETAIL

SCALE
3" = 1'-0"

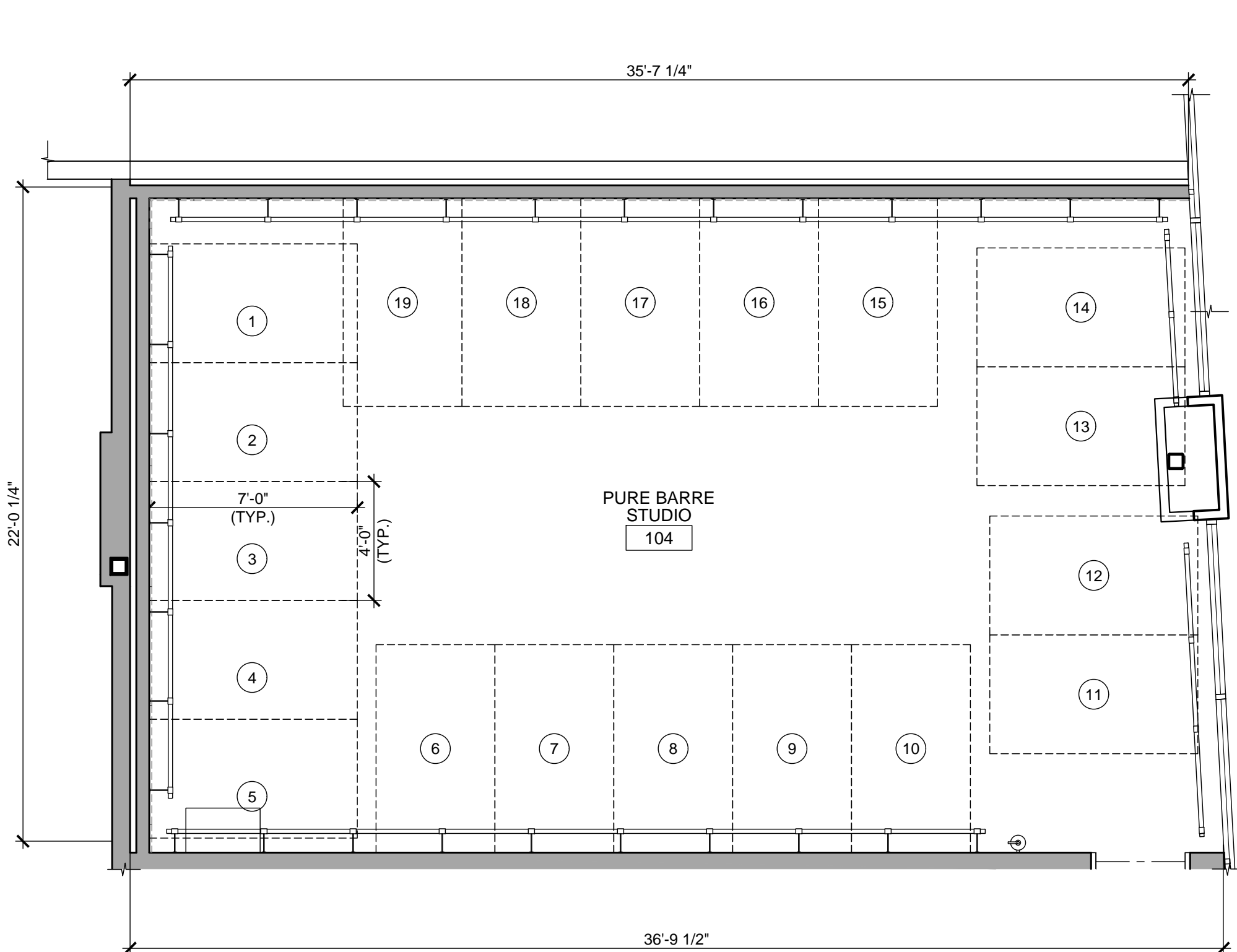
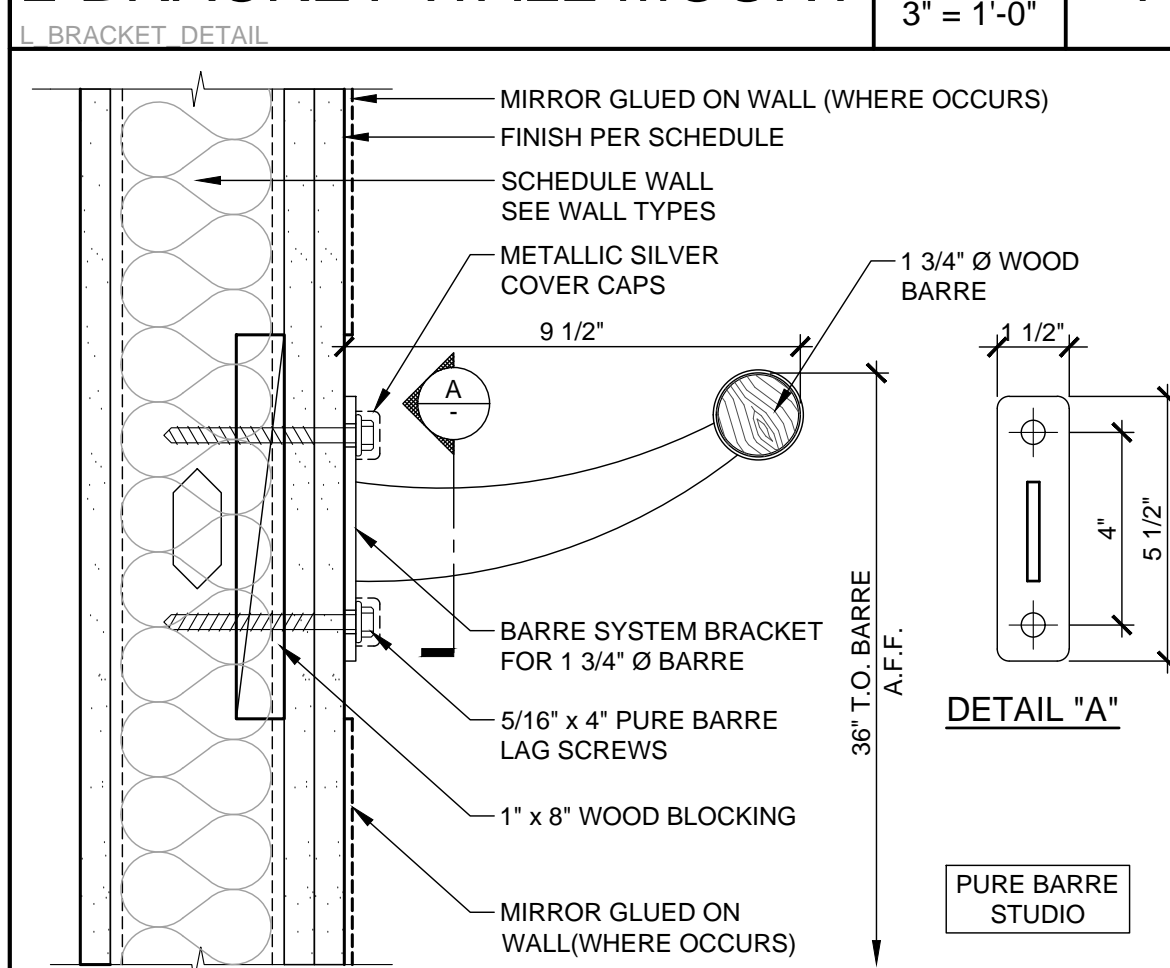
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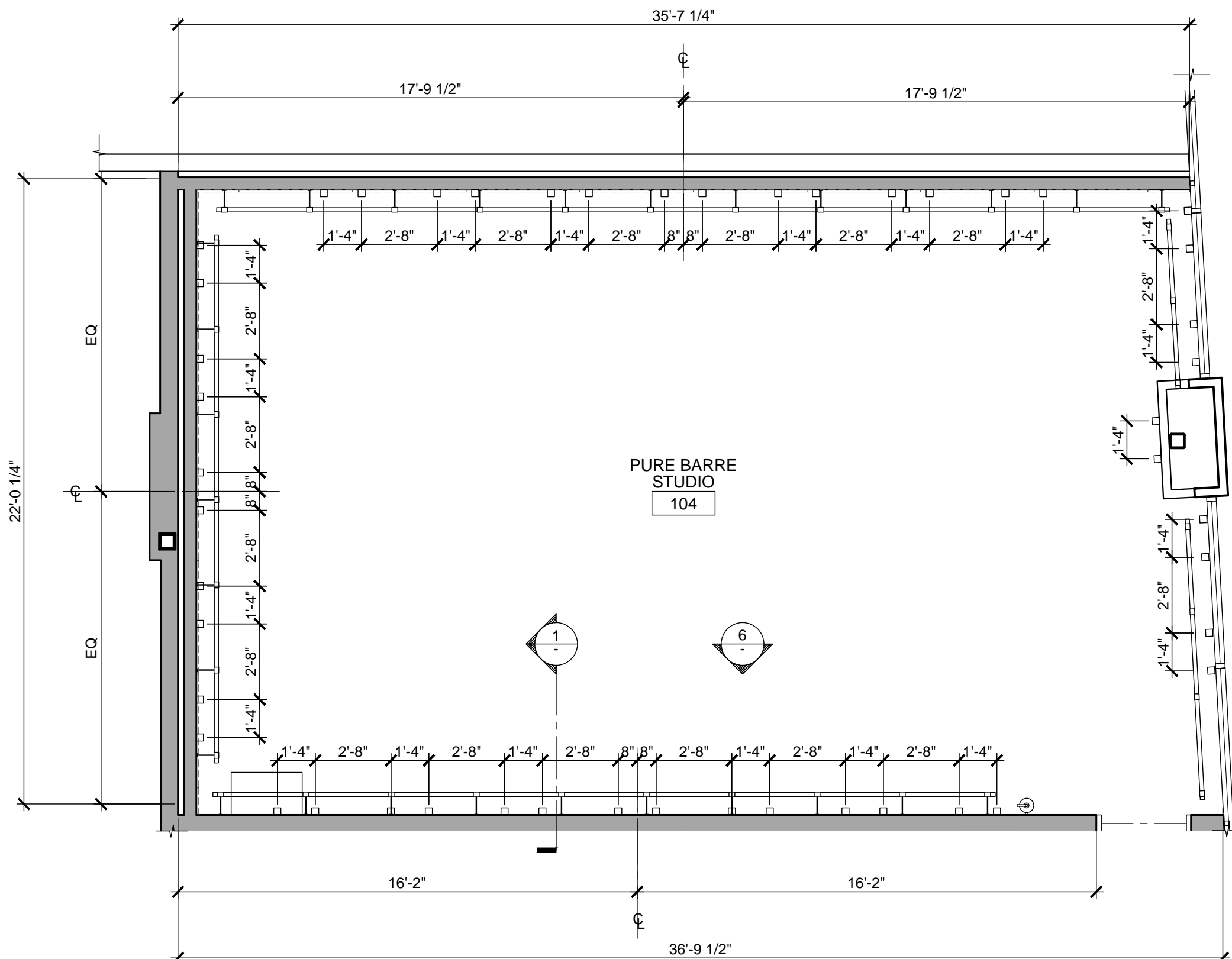
L-BRACKET WALL MOUNT

SCALE
3" = 1'-0"

1



REFORM PLAN

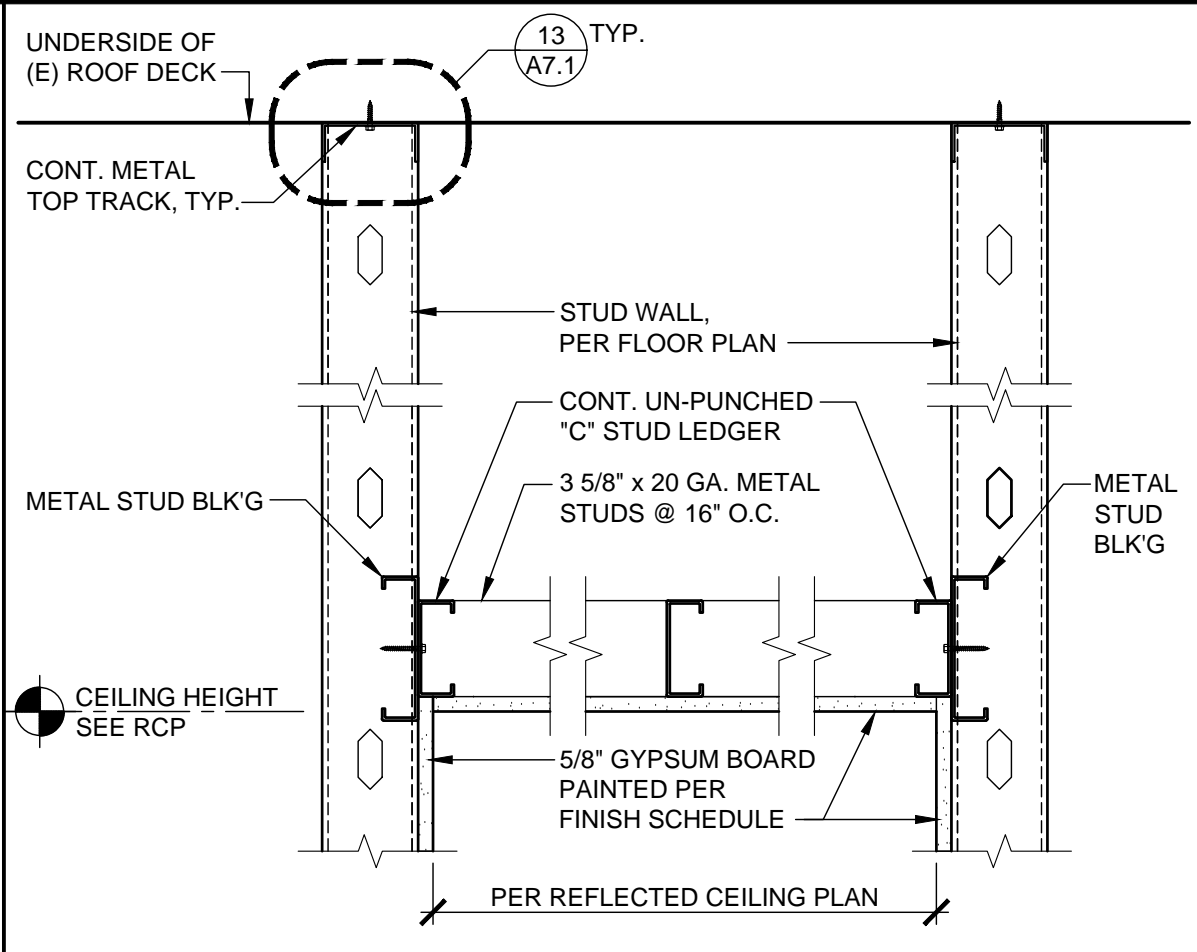


L - BRACKET PLAN

REFORM / L - BRACKET PLAN

SCALE
1/4" = 1'-0"

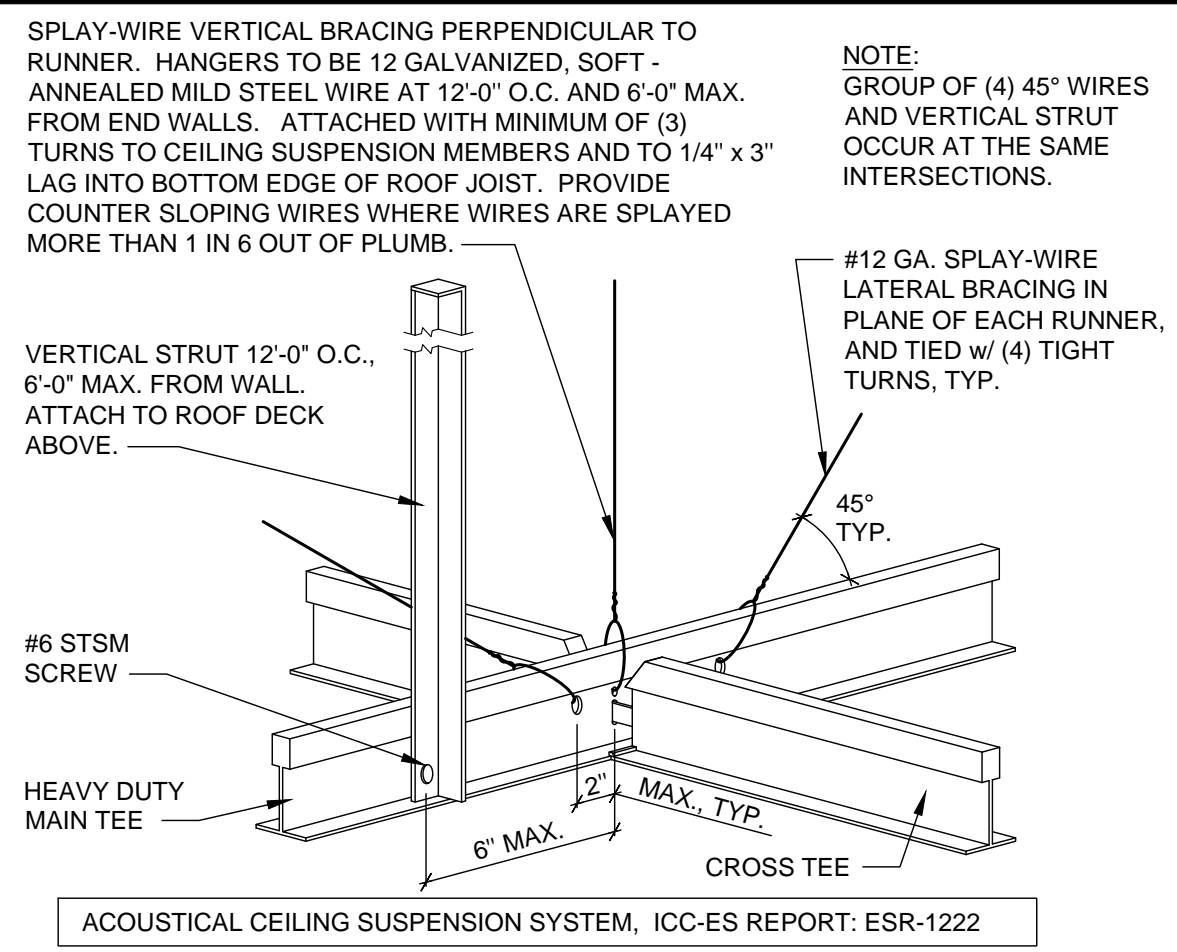
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GYP. BD. CEILING DETAIL

SCALE
3" = 1'-0"

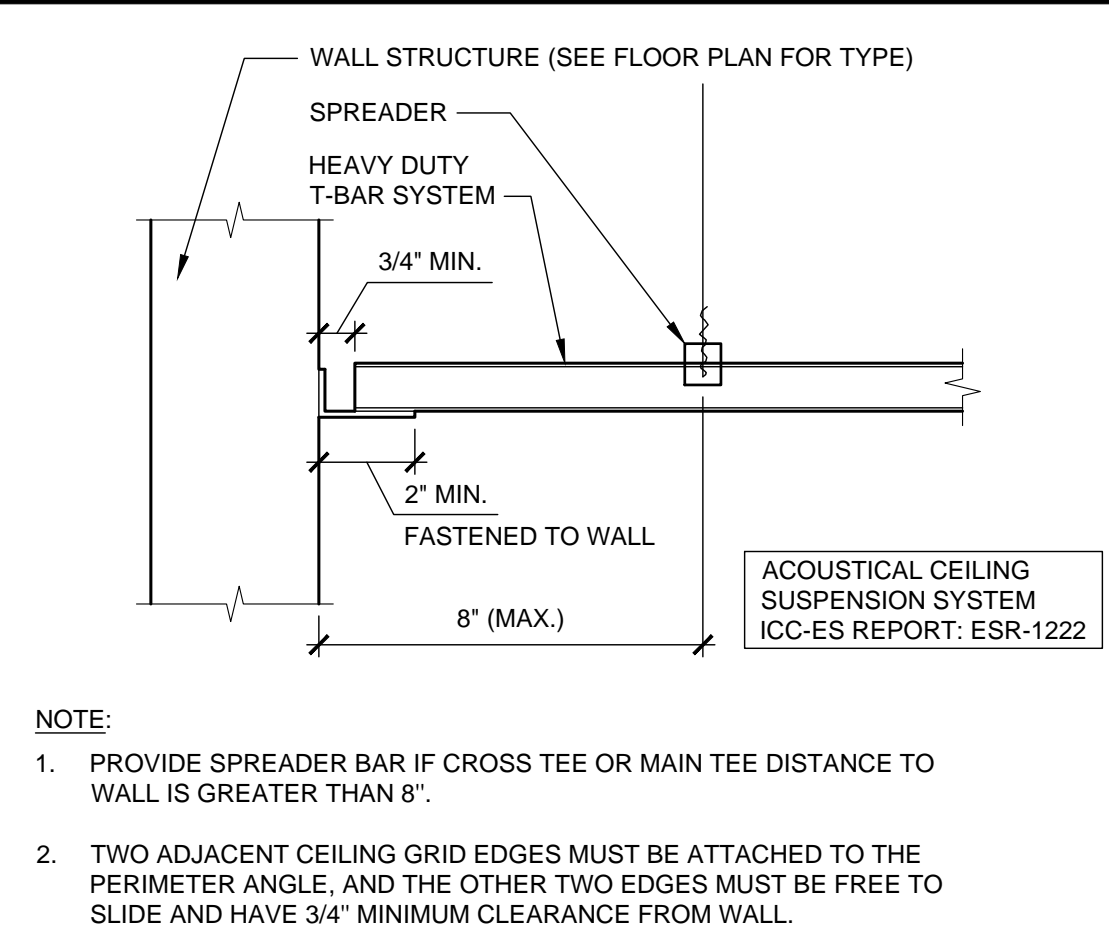
13



CEILING BRACING DETAIL

SCALE
3" = 1'-0"

9



CEILING PERIMETER

SCALE
3" = 1'-0"

5

GENERAL NOTES

- 1. EMERGENCY LIGHTS TO BE INSTALLED ON SEPARATE CIRCUIT.
- 2. ALL LIGHT FIXTURES INCLUDING EXIT LIGHTS, EMERGENCY LIGHTS, ETC., SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- 3. ALL FINISHING AND PAINTING REQUIREMENTS SHALL BE DIRECTED TO THE FINISH SCHEDULE SPECIFICATIONS AND INTERIOR ELEVATIONS.
- 4. CONTRACTOR TO USE LASER FOR LEVELING OF ALL SOFFITS, CEILINGS AND SUSPENDED GRIDS.
- 5. ELECTRICAL CONTRACTOR TO VERIFY IF SERVICE PROVIDED IS ADEQUATE. NOTIFY ARCHITECT IMMEDIATELY IF NOT.
- 6. ALL EQUIPMENT SHALL BEAR U.L. LABELS.
- 7. ELECTRICAL CONTRACTOR MUST PROVIDE AN IDENTIFICATION NAME PLATE ON TENANT'S MAIN ELECTRICAL SERVICES FUSIBLE DISCONNECT SWITCH IN LANDLORD'S DISTRIBUTION PANEL AND RTU, NAMEPLATE MUST BE 1/8" THICK PLASTIC, BLACK ON WHITE ETCHED TO LEAVE WHITE LETTERS. THE SIZE SHALL BE ONE INCH HIGH BY REQUIRED LENGTH, WITH TENANT'S SPACE NUMBER ENGRAVED ON IT. PERMANENTLY AFFIX TO DISTRIBUTION PANEL.
- 8. DIFFUSERS AND LIGHTS TO HAVE HANG WIRES ON ALL FOUR CORNERS.
- 9. ALL FIRE DAMPERS MUST BE IDENTIFIED BY A STICKER INSTALLED ON CEILING BELOW. DUCT FIRE DAMPER MUST BE INSTALLED WITH A BREAKAWAY CONNECTION PLENUM THAT CANNOT CONTAIN ANY COMBUSTIBLES.
- 10. GENERAL CONTRACTOR TO INSTALL ACCESS DOORS AS NECESSARY AND CONFIRM EXACT LOCATIONS. ACCESS PANEL MUST BE FLUSH, FRAMELESS GYPSUM PANELS IN SALES AREA. G.C. MUST PROVIDE AN ALLOWANCE FOR ACCESS PANELS IN BID.
- 11. ALL LIGHTING SHOULD BE IN WORKING ORDER AND ALL COVERS / LENSES IN PLACE.
- 12. GENERAL CONTRACTOR SHALL COMPLY WITH CURRENT STATE ENERGY CODES.
- 13. GENERAL CONTRACTOR TO VERIFY FIRE ALARM REQUIREMENTS AND NOTIFY ARCHITECT AS SOON AS POSSIBLE OF ANY DISCREPANCIES.
- 14. FIRE ALARM, FIRE STROBE, FIRE PULL SHALL BE BY OTHERS ON A SEPARATE SUBMITTAL.

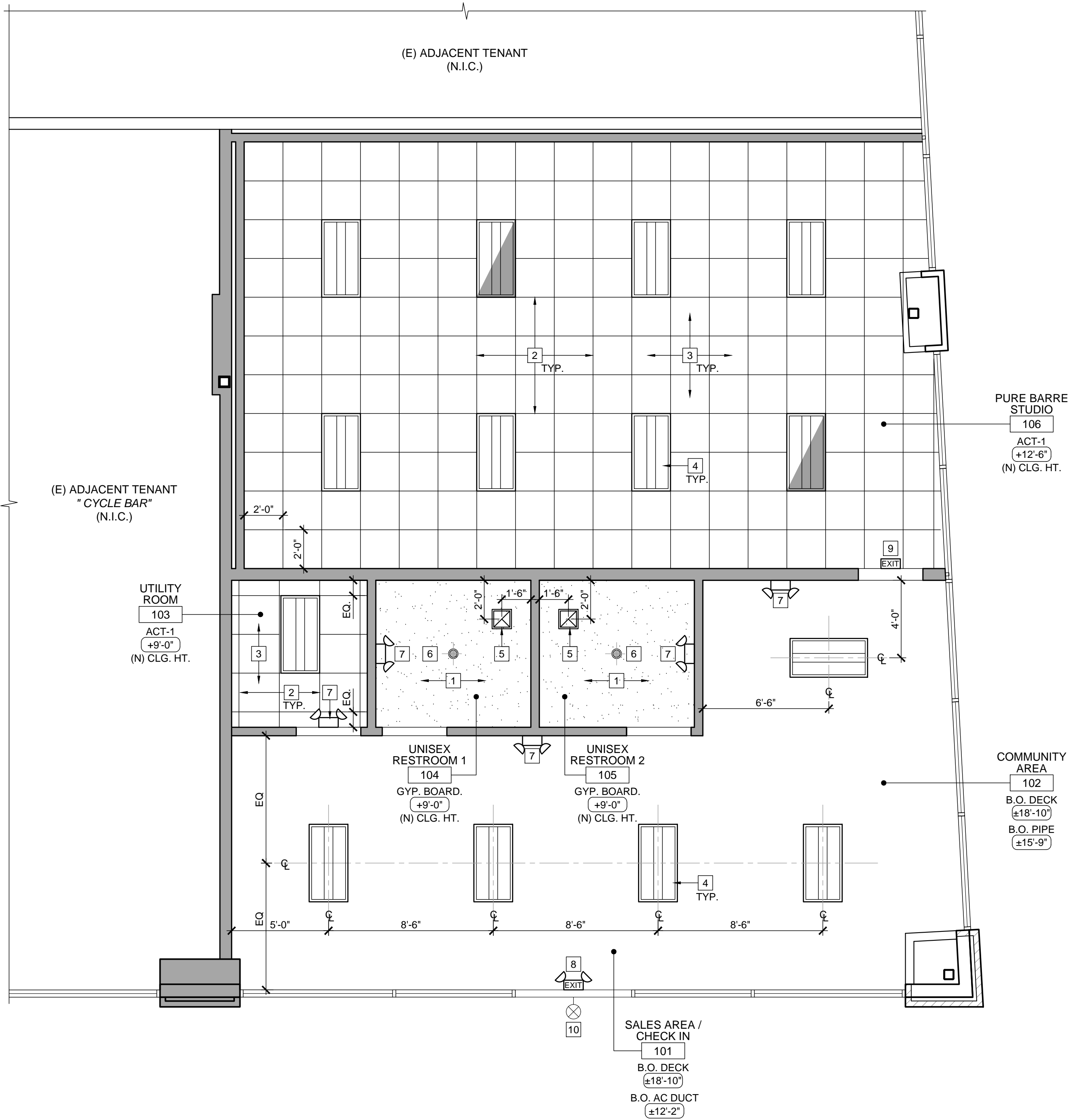
LEGEND

- 2X4 SUSPENDED LED
SEE LUMINAIRE SCHEDULE
- RECESSED LED DOWNLIGHT
SEE LUMINAIRE SCHEDULE
- EMERGENCY LIGHT
SELF-DIAGNOSTICS, 90mins.
- EMERGENCY LIGHT w/
ILLUMINATE EXIT SIGN, 90mins.
- MECHANICAL VENTILATION
LIGHT ACTIVATED
-WOMEN MIN. 50 CFM/ 70 UNIT
-MEN MIN. 100 CFM/ 70 UNIT
- ILLUMINATED EXIT SIGN
- LED EMERGENCY EXTERIOR EGRESS LIGHTING
CONNECTED TO EXIT SIGN BATTERY BACKUP

NOTE: FOR MORE INFORMATION REFER TO LUMINAIRE SCHEDULE SHEET A8.1

KEYNOTES

- 1 (N) GYPSUM BOARD CEILING
- 2 (N) CEILING GRID
- 3 (N) 2' x 2' CEILING TILES
- 4 (N) 2' x 4' LIGHT FIXTURE. SEE LEGEND
- 5 (N) EXHAUST FAN. SEE MECHANICAL DRAWINGS
- 6 (N) RECESSED LED DOWNLIGHT. SEE LEGEND
- 7 (N) EMERGENCY LIGHT. SEE LEGEND
- 8 (N) EMERGENCY LIGHT w/ ILLUMINATED EXIT SIGN. 90 MINS. SEE LEGEND
- 9 (N) ILLUMINATED EXIT SIGN. 90 MINS. SEE LEGEND
- 10 (N) EXTERIOR EGRESS LIGHT FIXTURE. SEE LEGEND

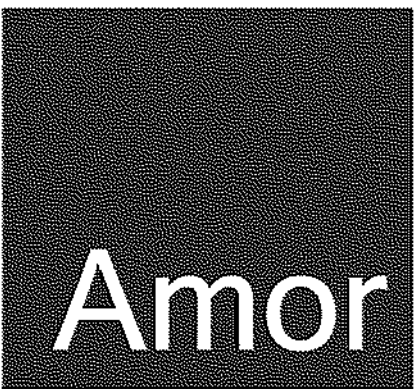


(N) REFLECTED CEILING PLAN

SCALE
1/4" = 1'-0"

8

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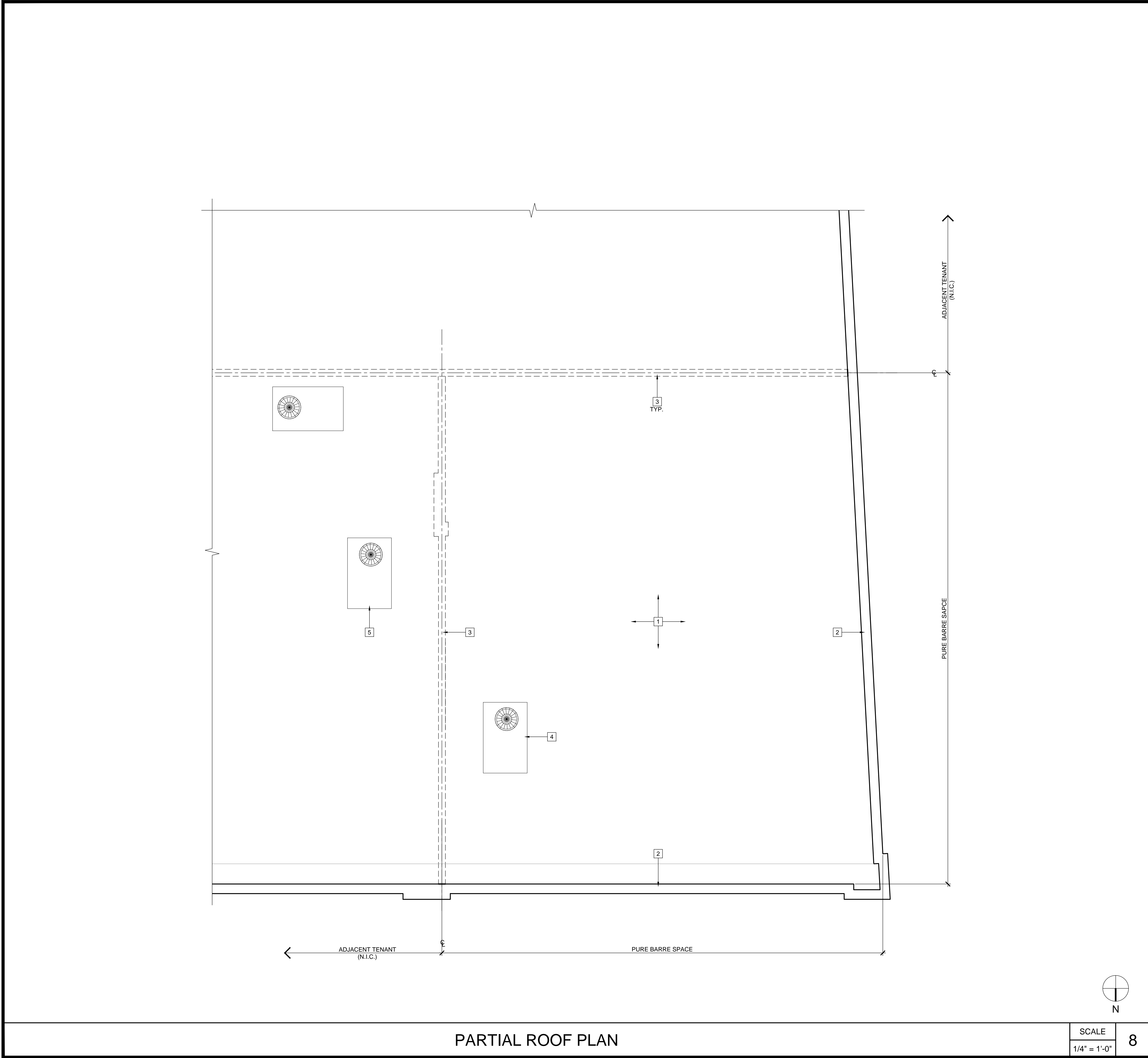
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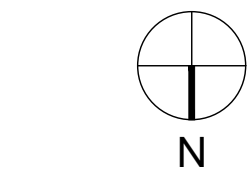
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PARTIAL ROOF PLAN



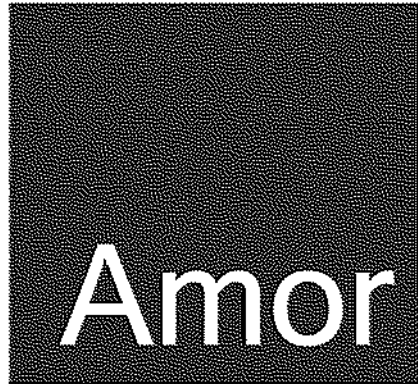
SCALE	8
1/4" = 1'-0"	

GENERAL NOTES

1. PROVIDE TAPERED INSULATION CRICKET - 1/2"-12" AT ALL NEW UNITS.
2. SEE MECHANICAL DRAWINGS FOR PIPE PENETRATION TO ROOF AND ADDITIONAL INFORMATION NOT SHOWN HERE
3. VERIFY ROOF SYSTEM AND MATCH EXISTING WHERE NEW WORK TO BE IMPLEMENTED MEMBRANE ROOF (CLASS A PER SPECIFICATIONS). SLOPE 1/4":12"(MIN.), TYP.

KEYNOTES

- | | |
|---|---------------------------------------|
| 1 | (E) BUILT-UP ROOF TO REMAIN |
| 2 | (E) PARAPET WALL TO REMAIN |
| 3 | OUTLINE OF (E) DEMISING WALL BELOW |
| 4 | (E) ROOF TOP UNIT TO REMAIN. |
| 5 | (E) ADJACENT ROOF TOP UNIT TO REMAIN. |



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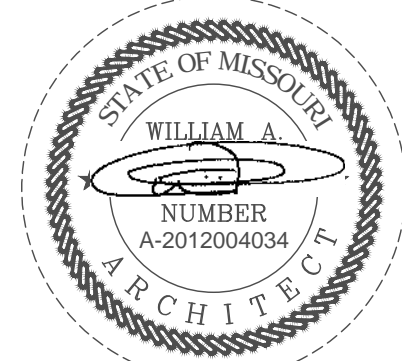
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PARTIAL ROOF PLAN

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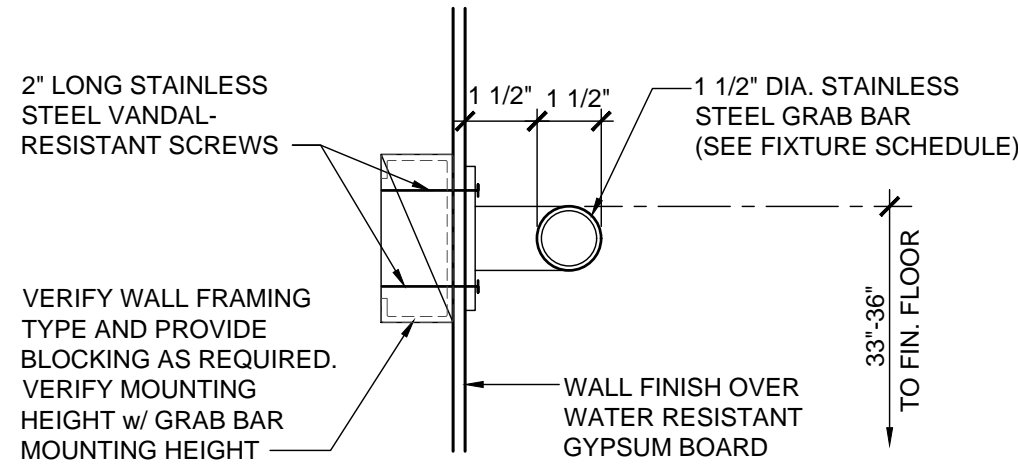
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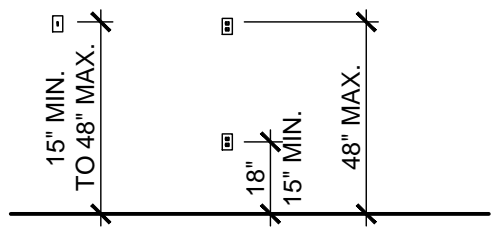
- NOTES:
- GRAB BARS AT WATER CLOSET (511.1A-9)
1. ONE AT SIDE 42" LONG EXTENDING 24" IN FRONT OF WATER CLOSET; ONE AT REAR OF WATER CLOSET 36" LONG; BOTH MOUNTED 33" ABOVE FINISH FLOOR.
(EXCEPTION: REAR GRAB BAR OVER TANK TYPE WATER CLOSER MAY BE UP TO 36" ABOVE FINISH FLOOR)
2. BARS SHALL BE 1-1/4" TO 1-1/2" IN DIAMETER WITH 1-1/2" CLEARANCE TO WALL.
3. BAR FASTENERS AND MOUNTING SUPPORT SHALL BE ABLE TO WITHSTAND 250 LBS. POINT LOAD IN BENDING, SHEAR TENSION. ROTATION IN FITTING NOT ALLOWED.
4. SURFACE OF WALL ADJACENT TO GRAB BAR IS TO BE FREE OF SHARP OR ABRASIVE ELEMENTS.



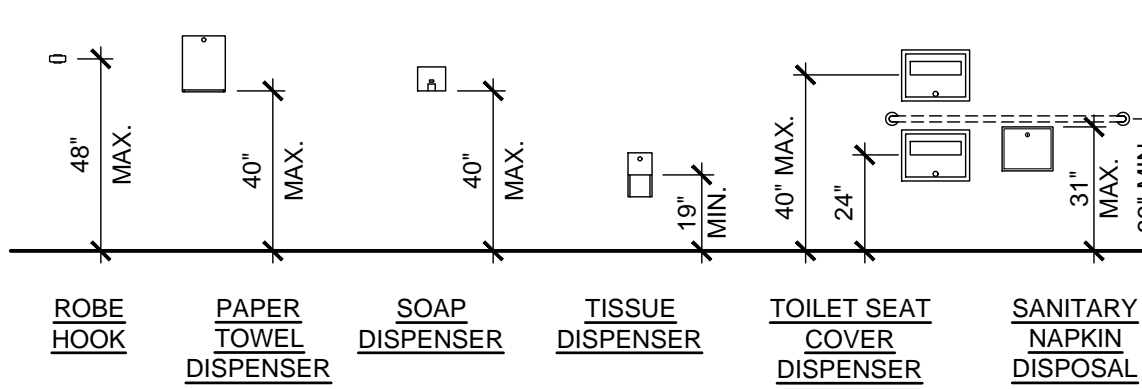
GRAB BAR DETAIL

SCALE
3" = 1'-0"

17



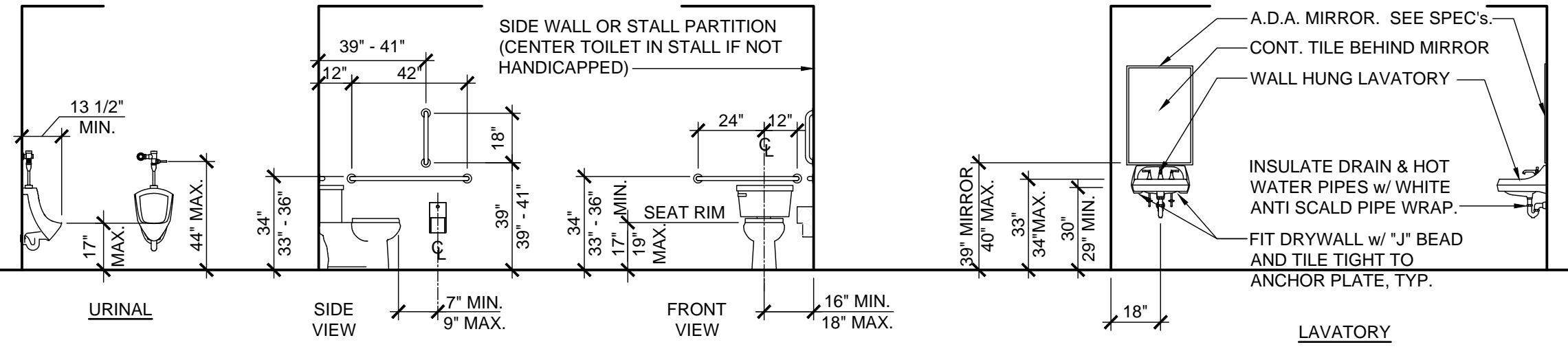
ELECT. SWITCH
RECEPTACLE OUTLET



ROBE HOOK
PAPER TOWEL DISPENSER
SOAP DISPENSER
TISSUE DISPENSER
TOILET SEAT COVER DISPENSER
SANITARY NAPKIN DISPOSAL

TYP. MOUNTING HEIGHT: RESTROOM ACCESSORIES AND FIXTURES

NOTE: CONTRACTOR TO PROVIDE APPROPRIATE BLOCKING IN WALL FOR ANCHORAGE OF GRAB BARS AS REQUIRED.

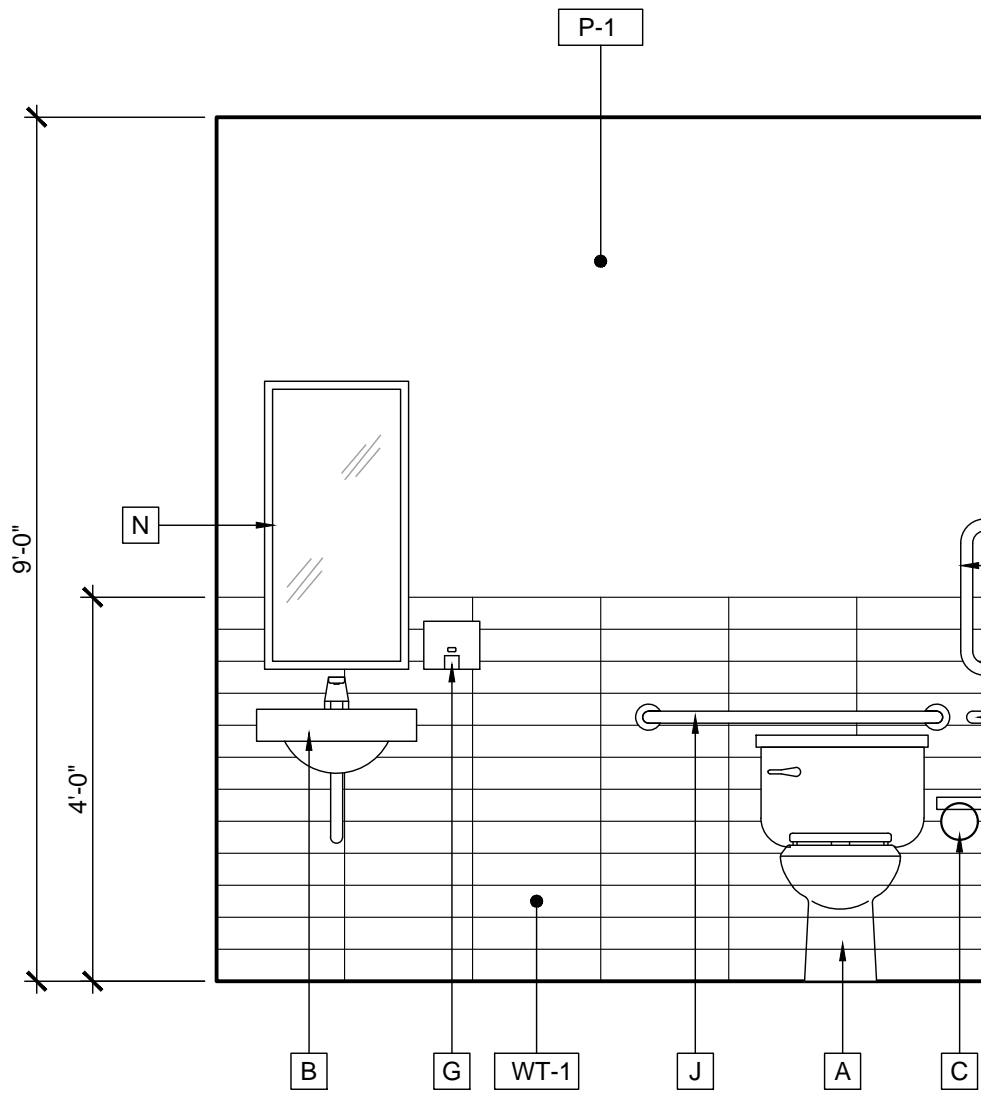


URINAL
SIDE VIEW
FRONT VIEW
LAVATORY

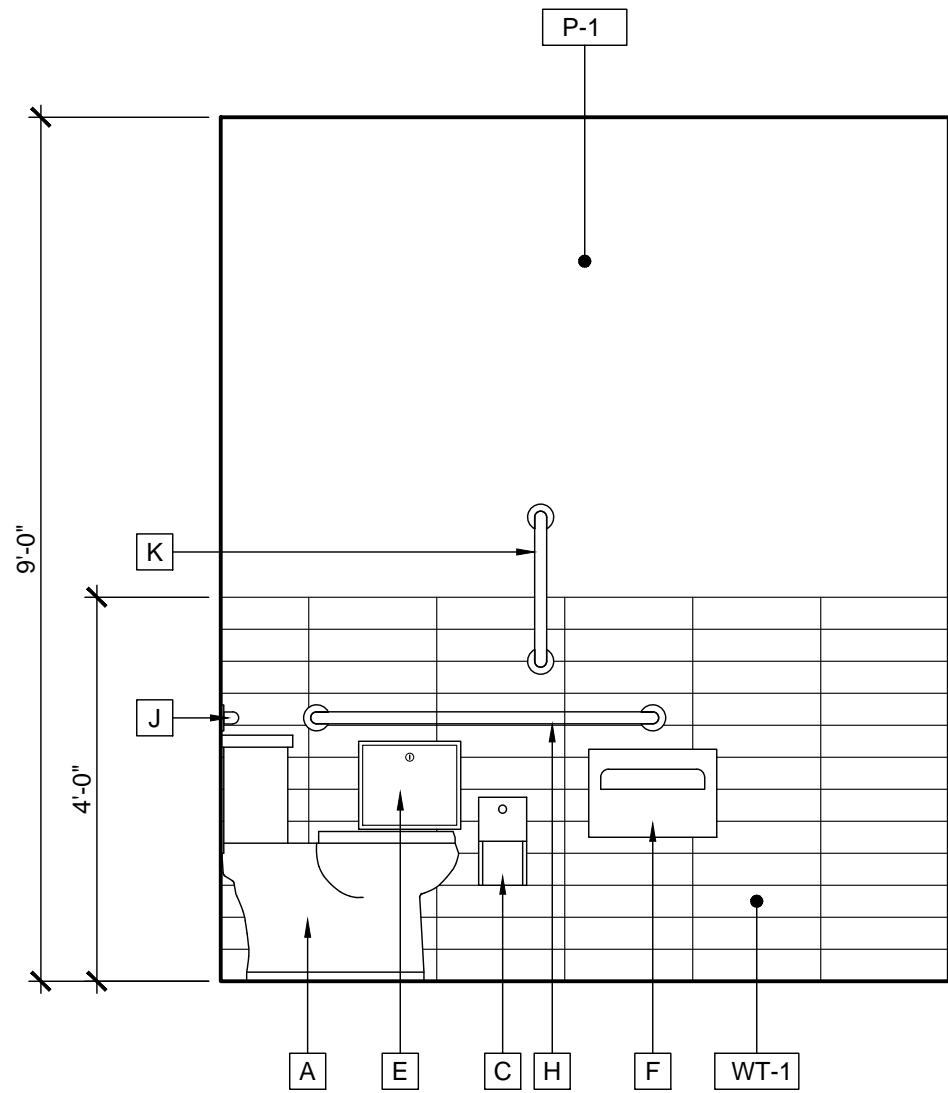
WATER CLOSET & GRAB BARS

GENERAL NOTES

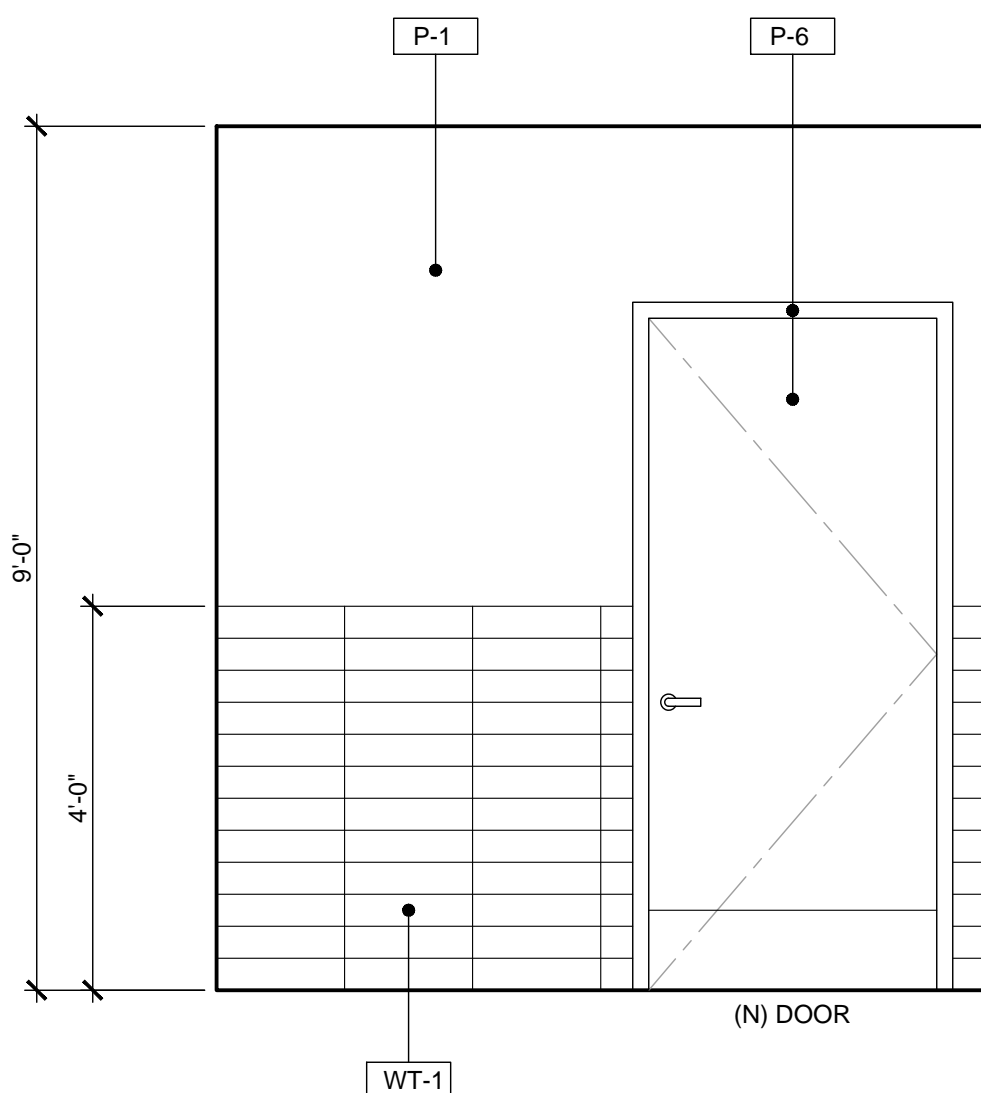
- PROVIDE 1-1/2" CLEARANCE BETWEEN WALL AND GRAB BARS.
- DRAIN AND HOT WATER PIPES UNDER ALL LAVATORIES TO BE INSULATED.
- GRAB BARS SHALL BE DESIGNED TO SUPPORT A 250# LOAD AND SHALL NOT ROTATE WITHIN THEIR FITTINGS.
- FLUSH VALVE CONTROL ON WATER CLOSET SHALL BE OPERABLE BY AN OSCILLATING HANDLE WITH MAXIMUM FORCE OF 5 LBS. TOP OF ALL ELECTRICAL SWITCHES AND CONVENIENCE OUTLET NOT TO EXCEED 40", TYPICAL THROUGH-OUT.
- NO SHARP OR ABRASIVE SURFACES IN FRONT OF LAVATORIES.
- A CLEAR SPACE OF 30" X 48" SHALL BE PROVIDED IN FRONT OF LAVATORY TO ALLOW A FORWARD APPROACH TO COMPLY WITH.
- OPERATING PARTS OF DISPENSING AND DISPOSAL FIXTURES (TOWELS, WASTE, COIN SLOTS, ETC.) ARE TO BE AT 40" A.F.F. MAX.
- MIRRORS - MOUNT MIRRORS AT 39" ABOVE FINISH FLOOR TO BOTTOM OF REFLECTIVE SURFACE. (MAXIMUM 40" A.F.F.)
- TOILET TISSUE DISPENSER TO BE MOUNTED WITHIN 12" FROM THE FRONT EDGE OF TOILET SEAT.
- THE RESTROOM DOORS MUST BE WELL FITTING AND SELF-CLOSING.
- PROVIDE SUFFICIENT VENTILATION IN RESTROOMS BY MEANS OF A WINDOW OR MECHANICAL CEILING VENTILATION.
- TOILET ACCESSORIES LOCATED ON OR WITHIN WALLS BE INSTALLED AND SEALED TO PROTECT STRUCTURAL ELEMENTS FROM MOISTURE.
- FAUCET CONTROLS AND OPERATING MECHANISM (OPERABLE W/ ONE HAND) SHALL BE OF TYPE NOT REQUIRING TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST AND AN OPERATING FORCE NOT EXCEEDING 5 LBS.
- LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR & WITH A CLEARANCE OF AT LEAST 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON WITH KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MIN. OF 30" IN WIDTH & 8" MIN. DEPTH AT THE TOP. TOE CLEARANCE SHALL BE A MIN. OF 9" HIGH FROM THE FLOOR & A MIN. OF 17" DEEP FROM THE FRONT OF THE LAVATORY.
- CONTROLS FOR WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS.
- REGARDLESS OF STALL CONFIGURATION, A 48" LONG MINIMUM CLEARANCE FLOOR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET.
- SEE FIXTURE AND STANDARD ACCESSIBILITY MOUNTING HEIGHTS DETAIL 5 / A6.1.
- WATER CLOSET COMPARTMENTS SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC CLOSING DEVICE, AND SHALL HAVE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32" WHEN LOCATED AT THE END & 34" WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- THE INSIDE & OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED W/ A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL FLIP OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST.



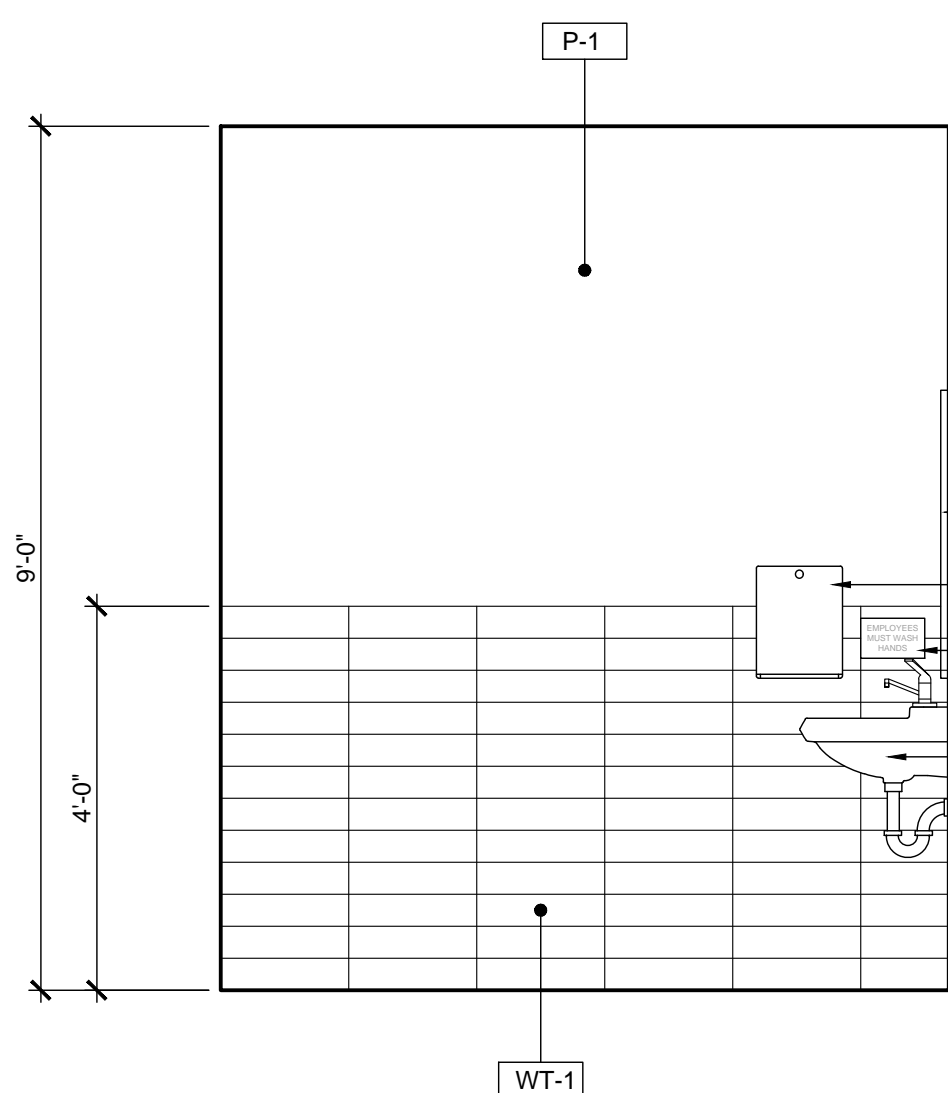
ELEVATION - A



ELEVATION - B



ELEVATION - C



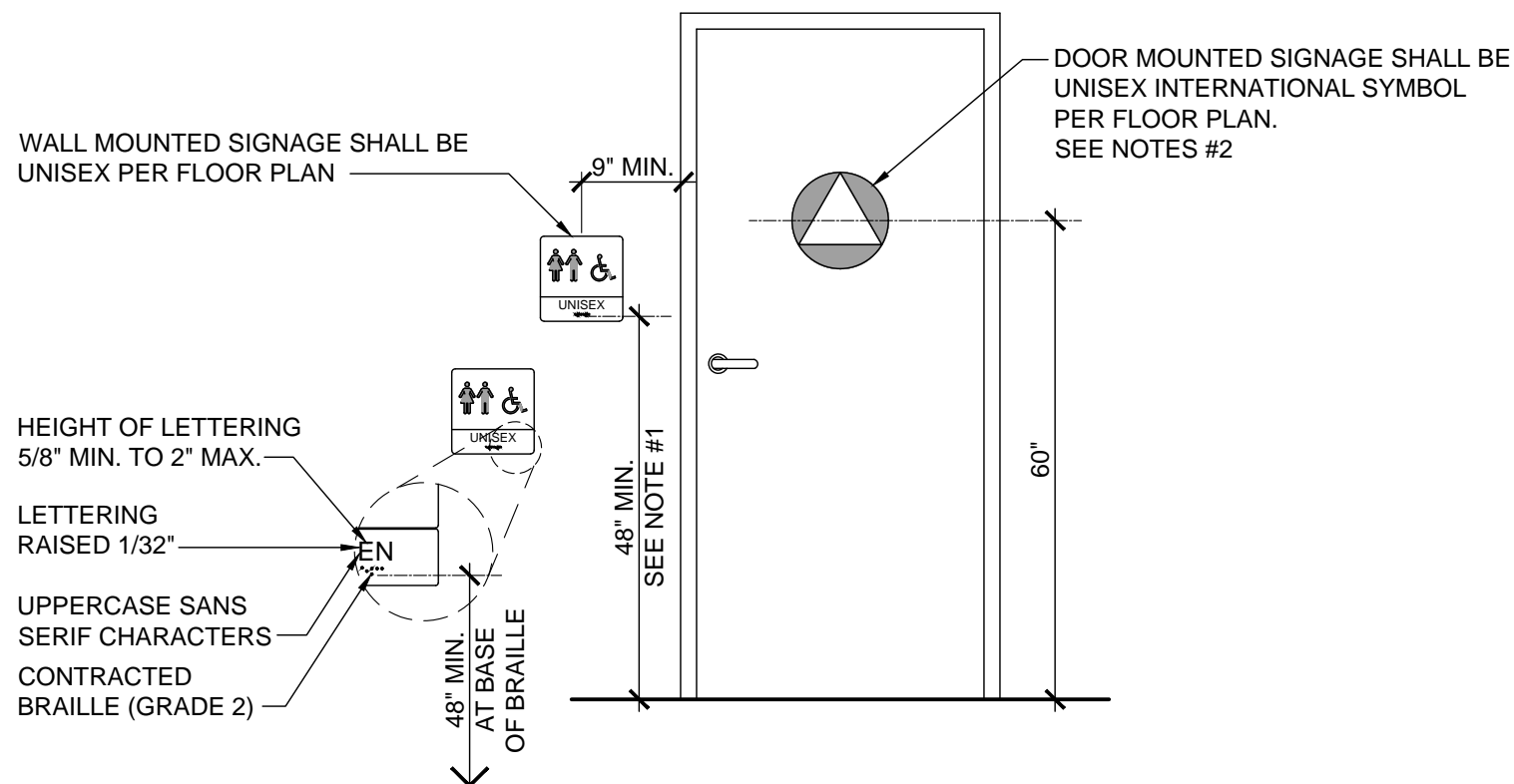
ELEVATION - D

NOTE:
TRIM TILE BEHIND MIRROR AND
PAPER TOWEL DISPENSER

INTERIOR ELEVATIONS - RESTROOM

SCALE
1/2" = 1'-0"

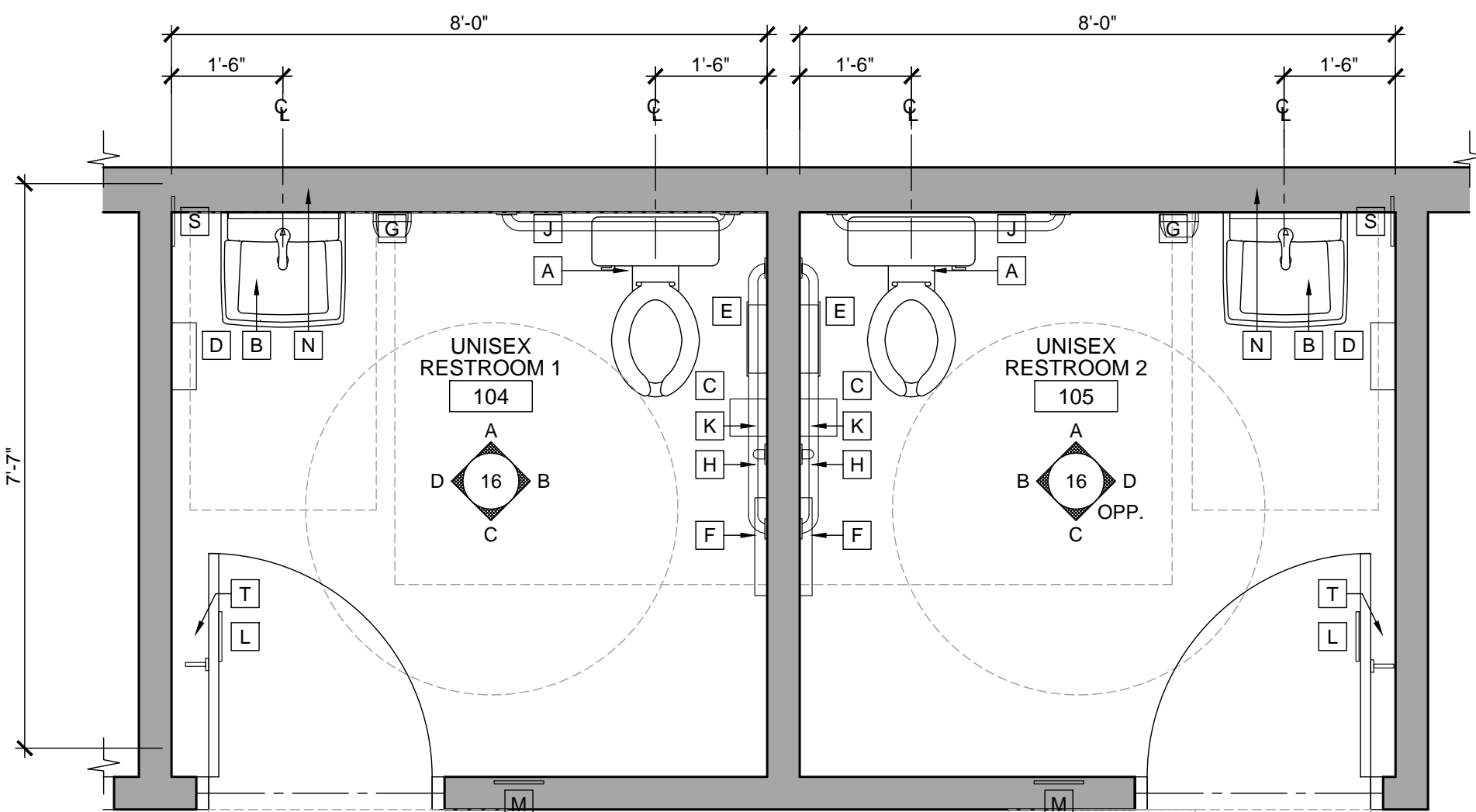
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DOOR SIGNAGE - MOUNTING HEIGHTS

SCALE
1/2" = 1'-0"

6



ENLARGED RESTROOM PLAN

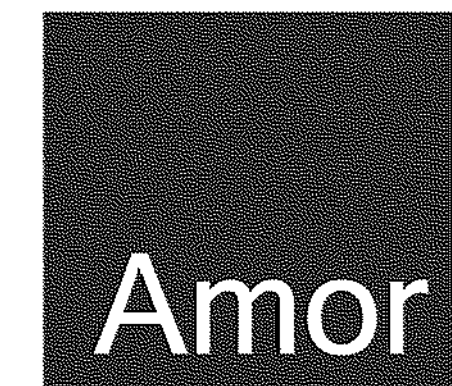
SCALE
1/2" = 1'-0"

8

RESTROOM ACCESSORIES

MARK	QTY	ITEMS	REMARKS
A	2	FLOOR MOUNTED ELONGATED TOILET	AMERICAN STANDARD ELONGATED TOILET 1.28 GPF OR EQUAL
B	2	WALL MOUNTED LAVATORY	AMERICAN STANDARD COMRADE MODEL #0124.024 OR EQUAL
C	2	ELECTRONIC LAVATORY FAUCET	SLOAN MODEL #EAF-200 OR EQUAL
D	2	INSULATE DRAIN AND HOT WATER PIPES	
E	2	SURFACE MOUNTED TOILET TISSUE DISPENSER	CINTAS - SIGNATURE SERIES SANDSTONE; OR EQUAL
F	2	AUTOMATIC PAPER TOWEL DISPENSER	CINTAS - SIGNATURE SERIES SANDSTONE; OR EQUAL
G	2	SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK MODEL #B-270 OR EQUAL
H	2	SURFACE MOUNTED SEAT-COVER DISPENSER	BOBRICK MODEL #B-221 CLASSICS SERIES (SATIN FINISH) OR EQUAL
I	2	AUTOMATIC HAND SOAP DISPENSER	CINTAS - SIGNATURE SERIES SANDSTONE; OR EQUAL
J	2	3'-6" GRAB BAR	BOBRICK MODEL #B-6806x42" (SATIN FINISH)
K	2	3'-0" GRAB BAR	BOBRICK MODEL #B-6806x36" (SATIN FINISH)
L	2	1'-6" VERTICAL GRAB BAR	BOBRICK MODEL #B-6806x18" (SATIN FINISH), OR EQUAL
M	2	DOOR MOUNTED SIGNAGE	
N	2	DOOR STRIKE SIDE MOUNTED ACCESSIBLE SIGNAGE	
O	2	MIRROR	BOBRICK MODEL #B-290 1836 SERIES (SATIN FINISH) OR EQUAL
P	-	URINAL	AMERICAN STANDARD PINTBROOK URINAL OR EQUAL AT 0.125 GPF
Q	-	URINAL SCREEN	BRADLEY - LEATHER GRAIN STAINLESS STEEL (SATIN FINISH), INCL. ALL HDV.
R	-	PARTITION	BRADLEY MODEL 400 SERIES - SENTINEL LEATHER GRAIN STAINLESS STEEL (SATIN BRUSH), FLR-MOUNTED OVERHEAD BRACED, OR EQUAL
S	2	SIGNAGE	SIGNAGE - CREW MUST WASH HANDS
T	2	COAT HOOK w/ BUMPER	BOBRICK MODEL #B-212 (SOLID CAST ALUM. w/ MATTE FINISH) OR EQUAL

REFER TO SHEET A8.2 FOR FINISH PLAN AND SCHEDULE.



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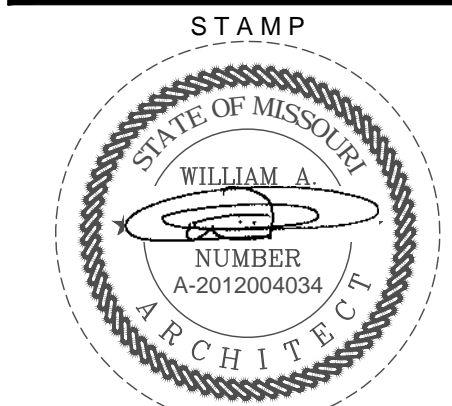
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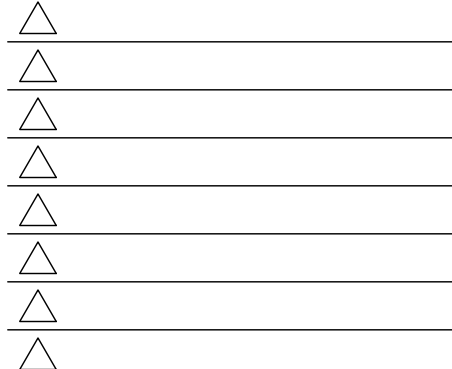
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ENLARGED RESTROOM PLAN,
INTERIOR ELEVATIONS, AND DETAILS



DATE SIGNED: 2020-04-13
RENEWAL DATE: 2020-12-31
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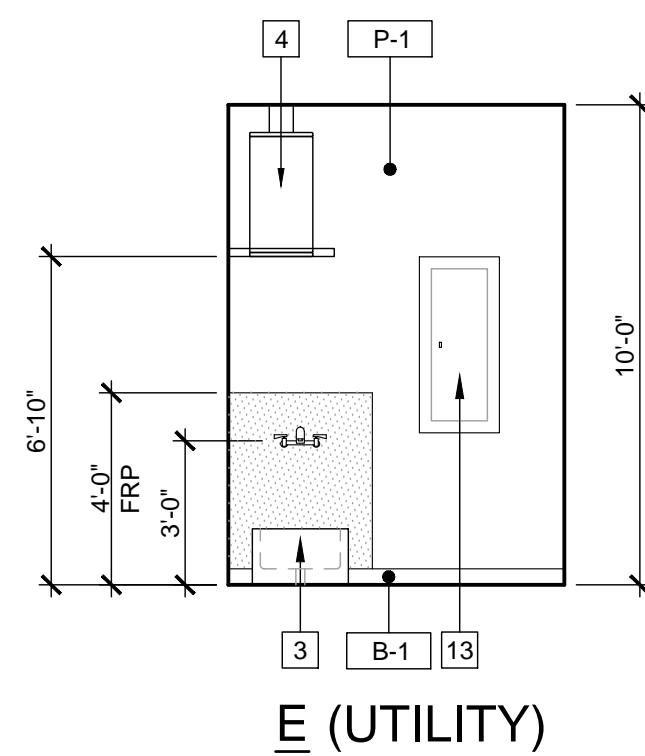
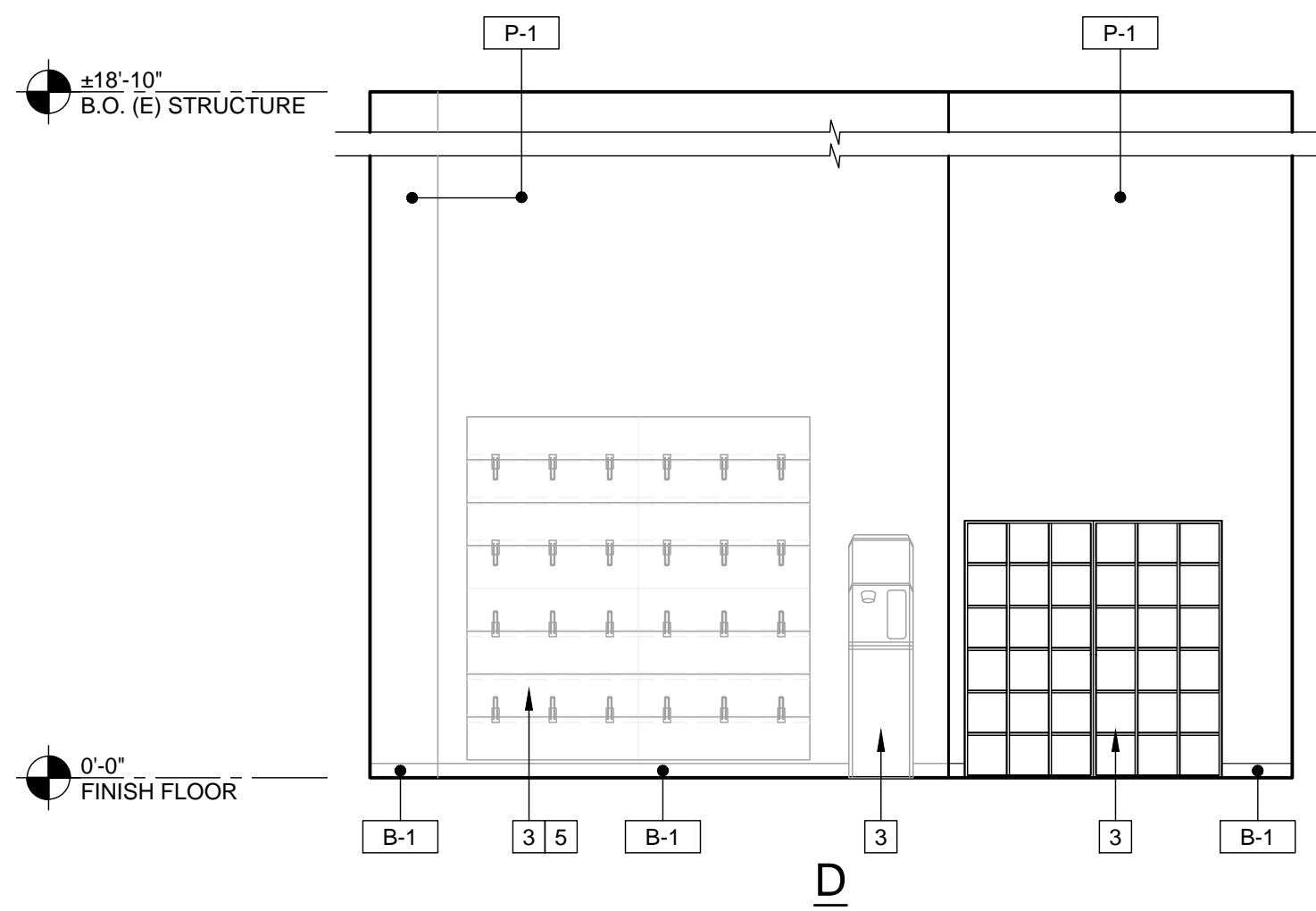
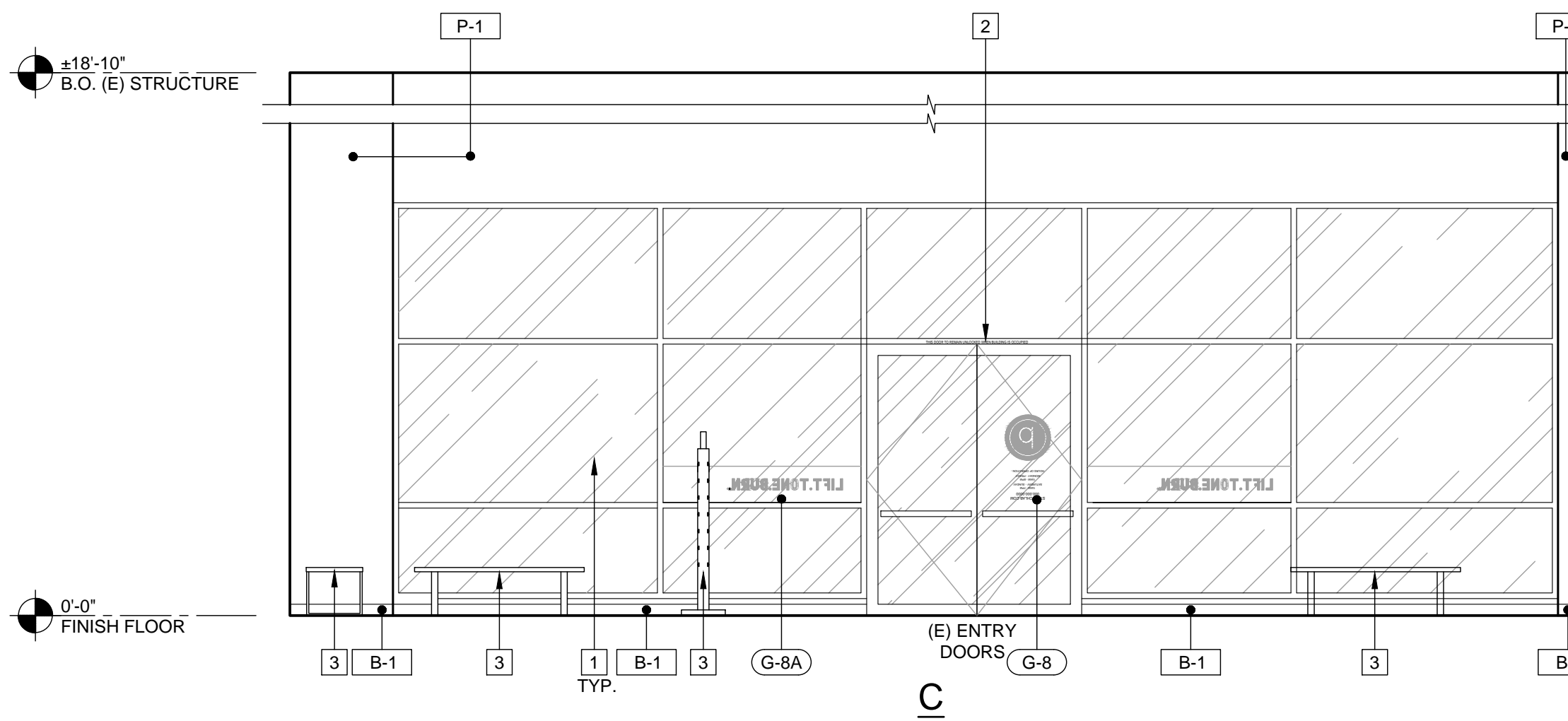
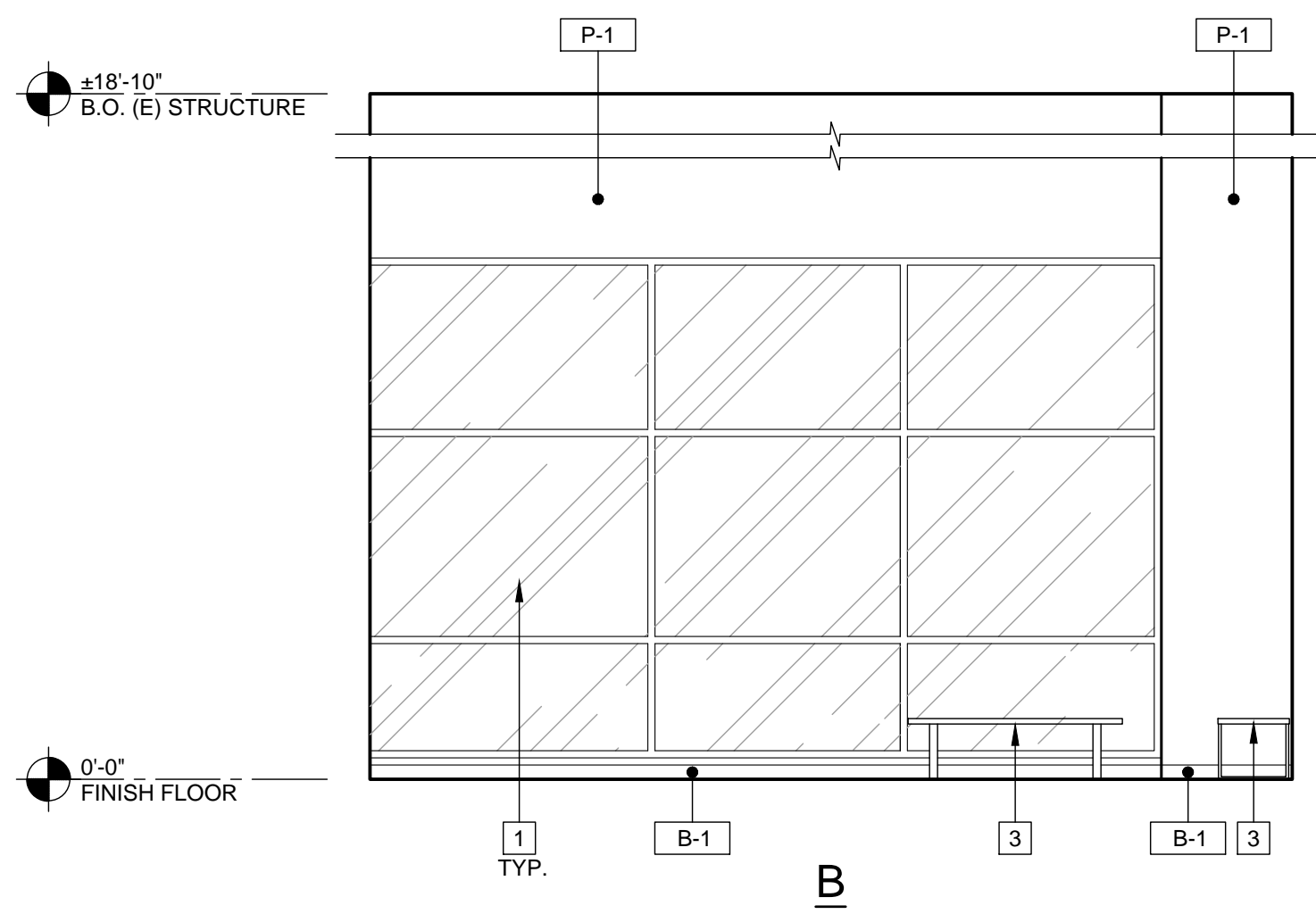
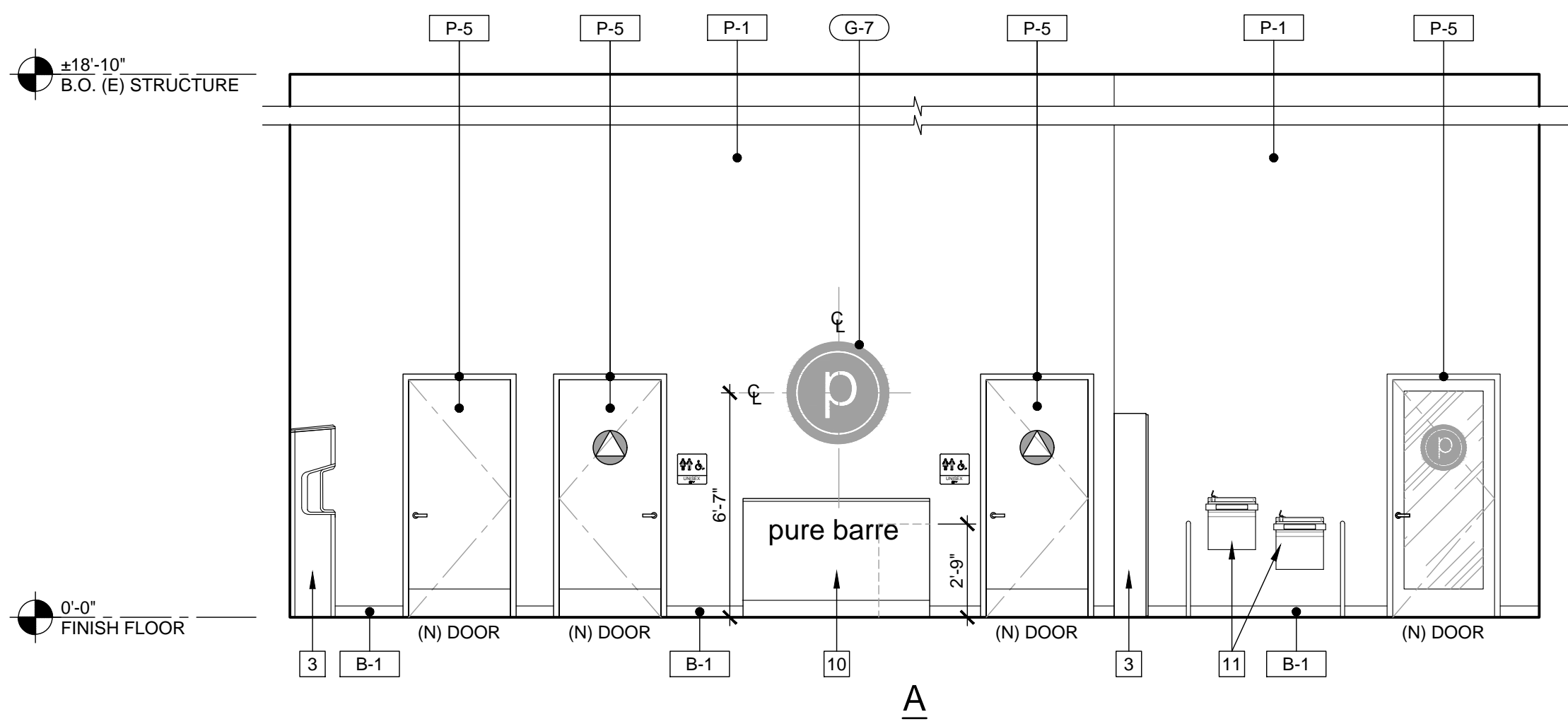
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2020.04.10
PROJECT NUMBER
A2275

SHEET NUMBER

A6.1
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
04/14/2020

Plotted: 4/13/2020 4:48 PM (treadmill) File: 13_a0275_a6.2.in (rtdwg)

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INTERIOR ELEVATIONS @ SALES & COMMUNITY AREA

SCALE
1/4" = 1'-0"

6

SIGNAGE/ GRAPHICS LEGEND

REFER TO GRAPHIC KEY ON SHEET A8.3

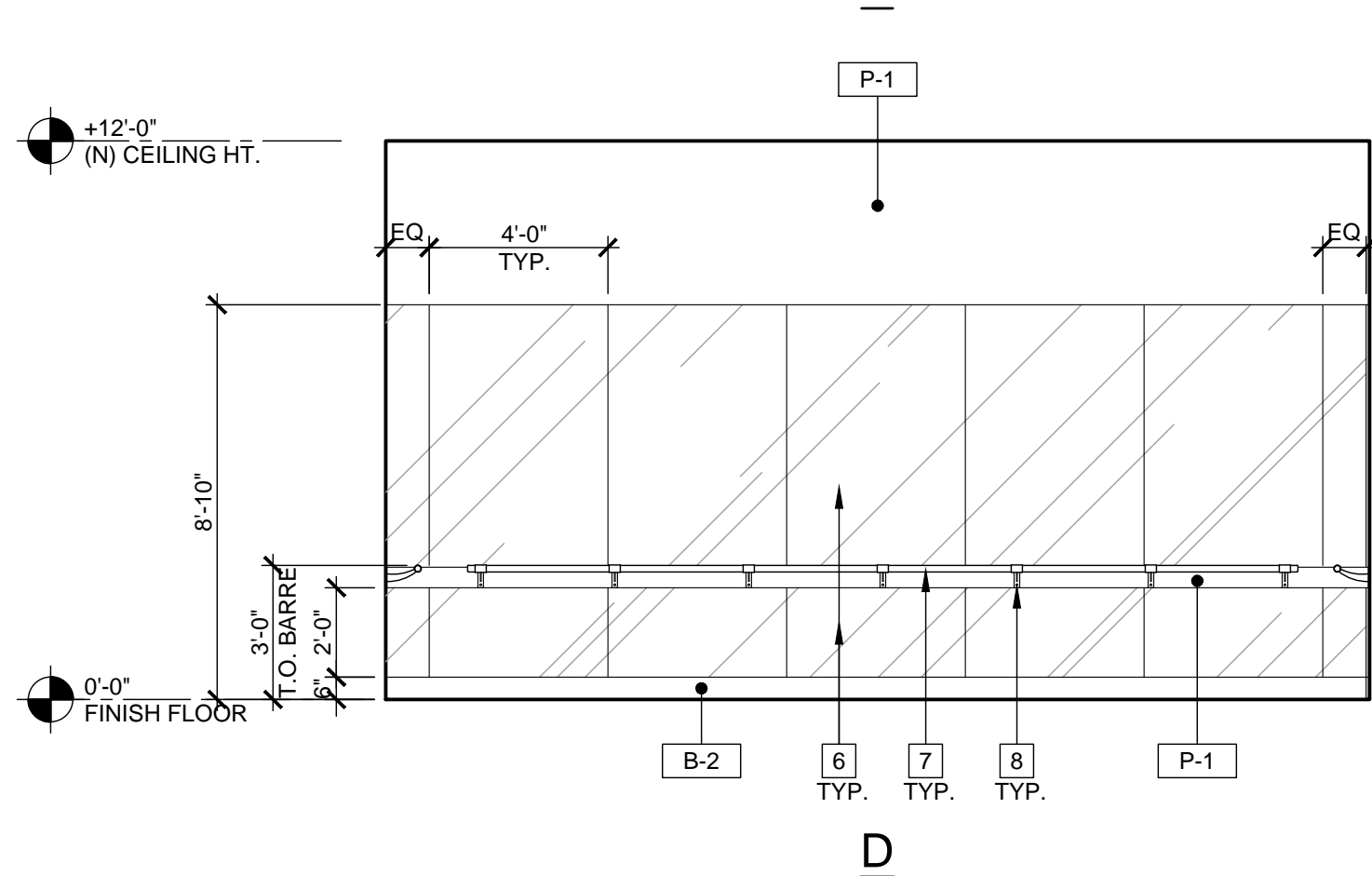
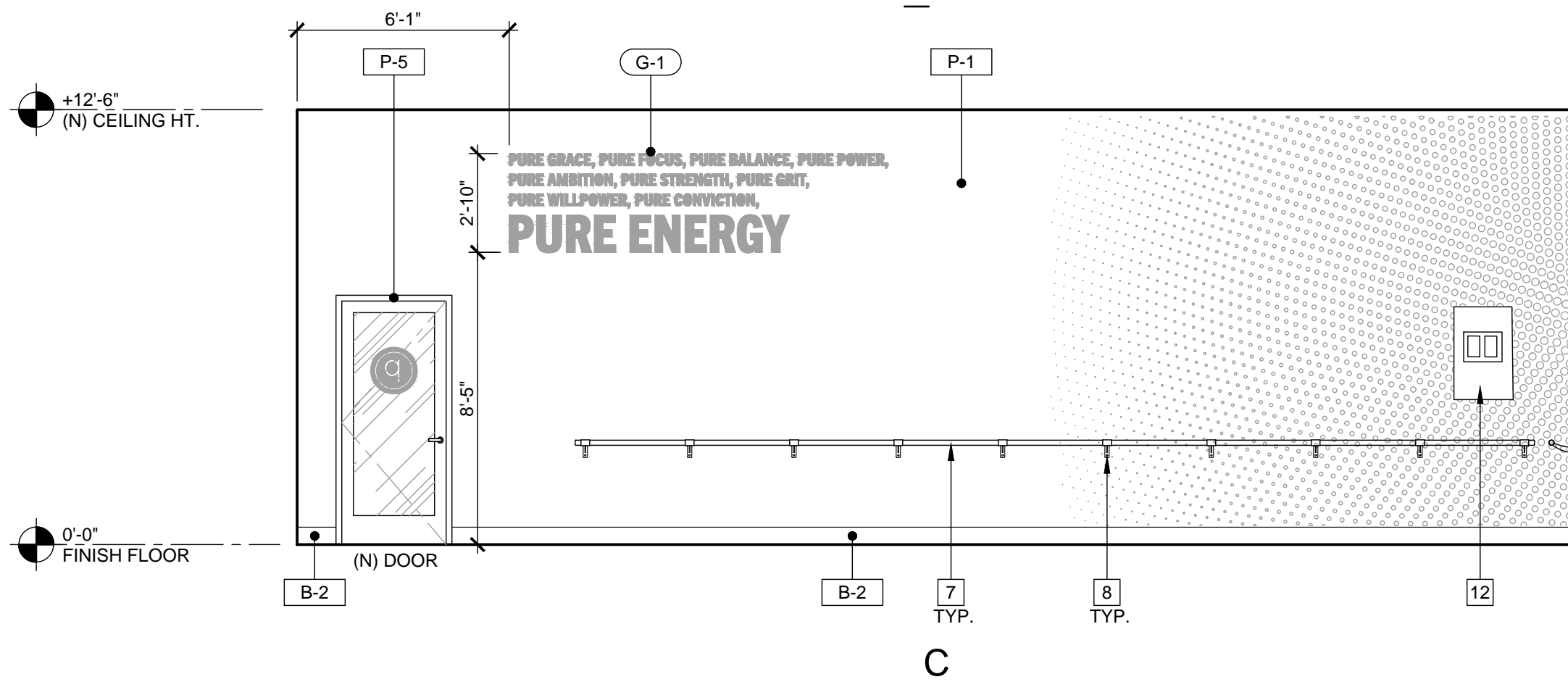
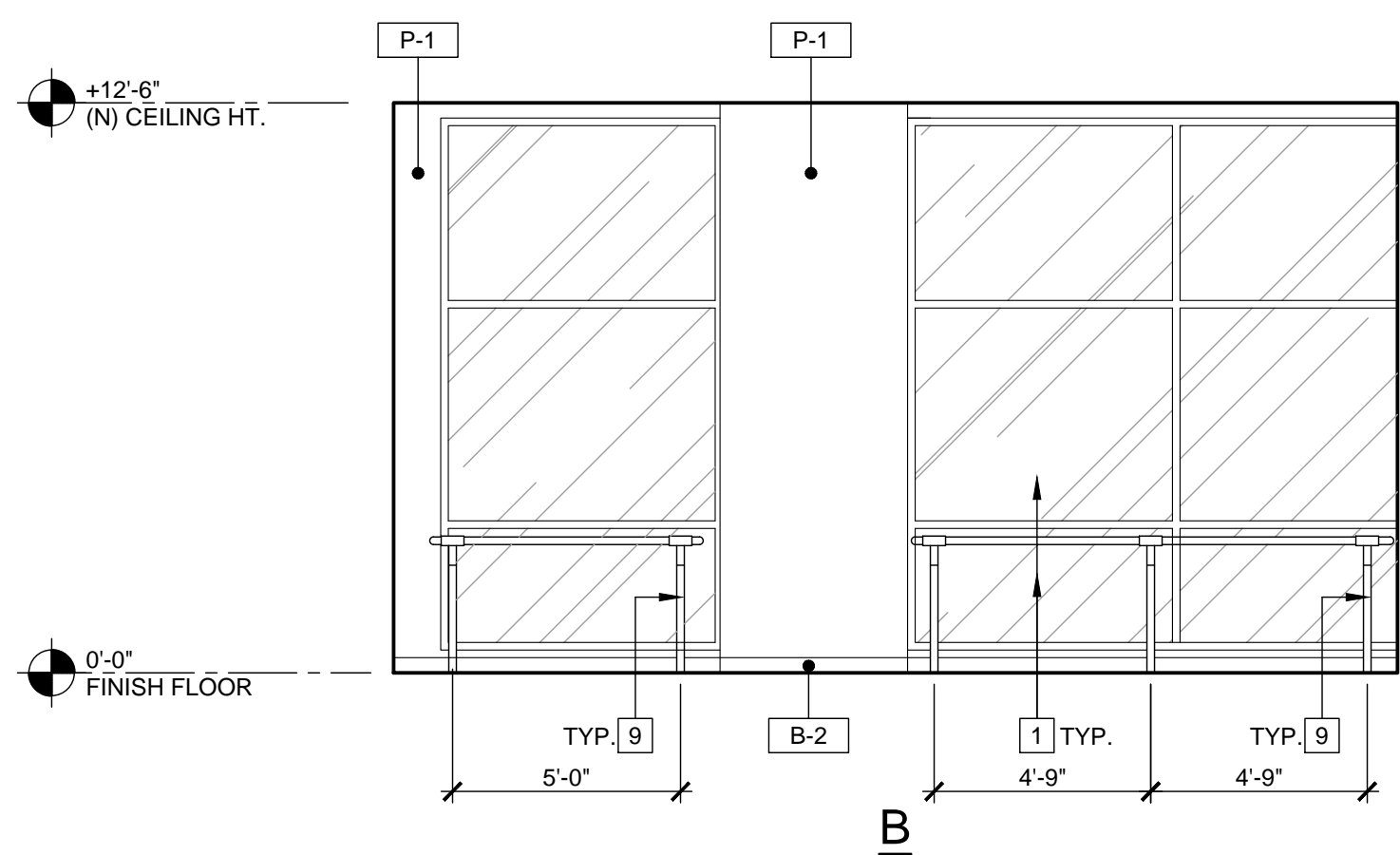
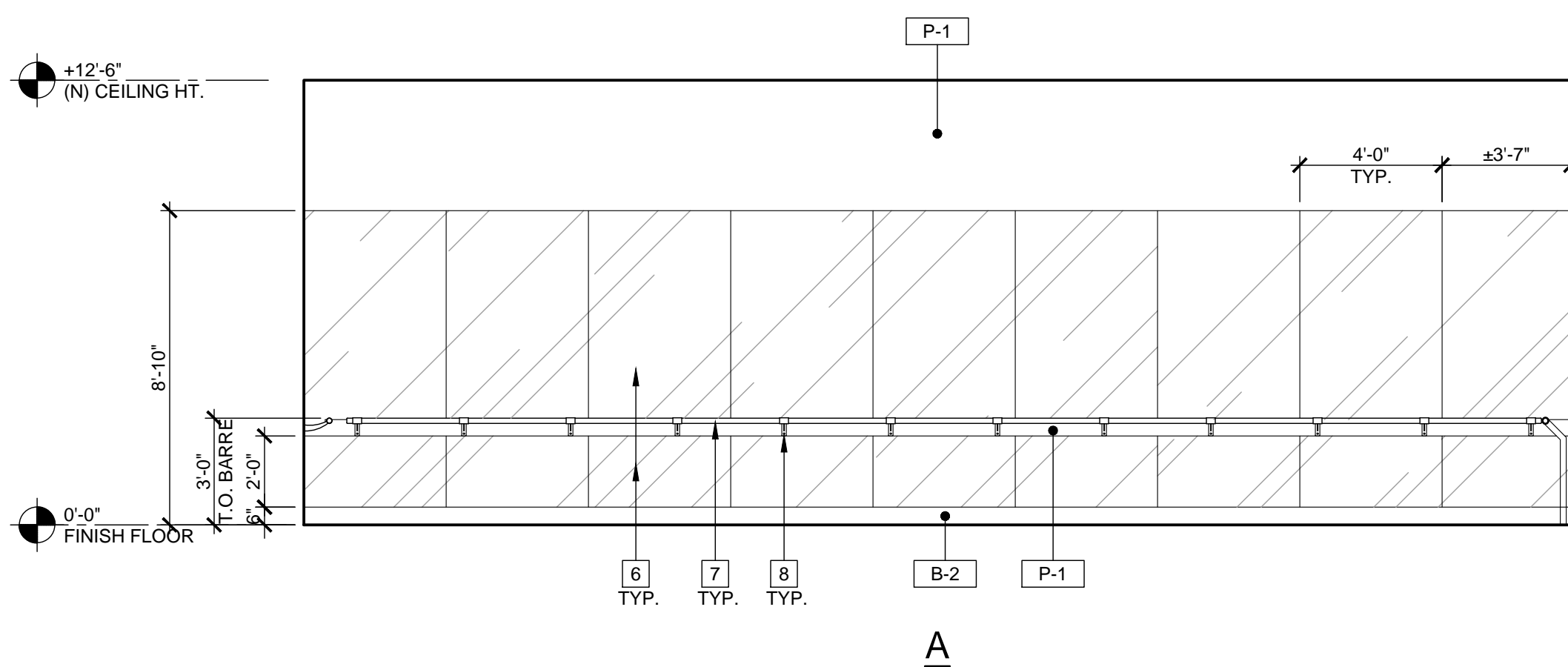
- G-1 WALL GRAPHICS - STUDIO - PURE ENERGY
- G-2 WALL GRAPHICS - STUDIO - LIFE TONE BURN
- G-3 WALL GRAPHICS - STUDIO - LIFE TONE BURN 2
- G-4 WALL GRAPHICS - STUDIO - LIFE TONE BURN 2
- G-5 WALL GRAPHICS - STUDIO - CIRCLE GRAPHICS 1
- G-6 WALL GRAPHICS - STUDIO - CIRCLE GRAPHICS 2
- G-7 "P" LOGO BEHIND DESK
- G-8 VINYL GRAPHICS ON GLAZING
- G-8A VINYL GRAPHICS ON GLAZING

NOTE:
CONTRACTOR TO PROVIDE AND INSTALL SOLID WOOD BLOCKING OR PLYWOOD FOR ALL WALL MOUNTED ITEMS: SIGNAGE, EQUIPMENT, MILLWORK, ETC. COORDINATE EXACT LOCATIONS w/ PURE BARRE CONSTRUCTION REPRESENTATIVE AS REQUIRED.

FINISH LEGEND

NOTE:
REFER TO FINISH SCHEDULE AND FINISH LEGEND ON SHEET A8.2 FOR SPECIFICATION OF ALL INTERIOR MATERIALS AND FINISHES

- WALLS
 - P-1 PAINT - FINISH LEGEND A8.2
 - FRP FIBER REINFORCED PLASTIC - FINISH LEGEND A8.2
- BASE
 - B-1 WALL BASE - FINISH LEGEND A8.2
- DOORS
 - P-5 PAINT - FINISH LEGEND A8.2
 - P-6 PAINT - FINISH LEGEND A8.2



INTERIOR ELEVATIONS @ STUDIO

SCALE
1/4" = 1'-0"

8

KEYNOTES

- (E) FIXED STOREFRONT WINDOW TO REMAIN
- (E) "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" - ADD DECAL
- (N) EQUIPMENT AND MILLWORKS. SEE EQUIPMENT LIST ON SHEET A1.1
- (N) WATER HEATER AND SUSPENDED PLATFORM WITH DRAIN PAN. PROVIDE CLEARANCE AS NEEDED PER MANUFACTURER'S DETAILS FOR SERVICING BETWEEN CEILING AND TANK.
- G.C. TO PROVIDE SUFFICIENT BACKING FOR WALL MOUNT EQUIPMENT
- (2) MIRRORS: (1st) MOUNTED AT TOP OF BASE TO UNDERSIDE OF BARRE BRACKET, (2nd) MOUNTED ABOVE BARRE BRACKET TO 8'-10" AFF.
- (N) 1 3/4" DIA. WOOD BARRE. BARRE HEIGHT 36" AFF.
- (N) BARRE SYSTEM BRACKET. PROVIDE BLOCKING IN WALL AT BARRE MOUNTS
- (N) PURE BARRE METALLIC SILVER FLOOR STANCHION 36" (FIXED HEIGHT)
- (N) RECEPTION DESK WITH ADA COUNTER
- (N) HIGH-LOW DRINKING FOUNTAIN
- (N) AV RACK
- (N) ELECTRICAL PANEL. SEE ELECTRICAL DRAWINGS.

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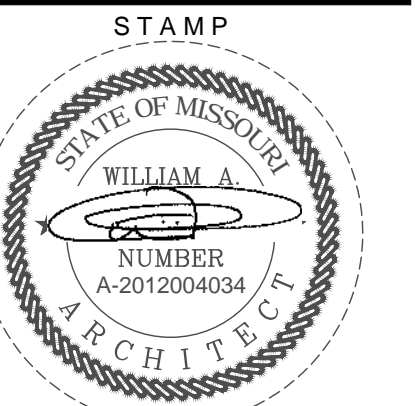
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INTERIOR ELEVATIONS

PROJECT
LOCATION

SHEET TITLE



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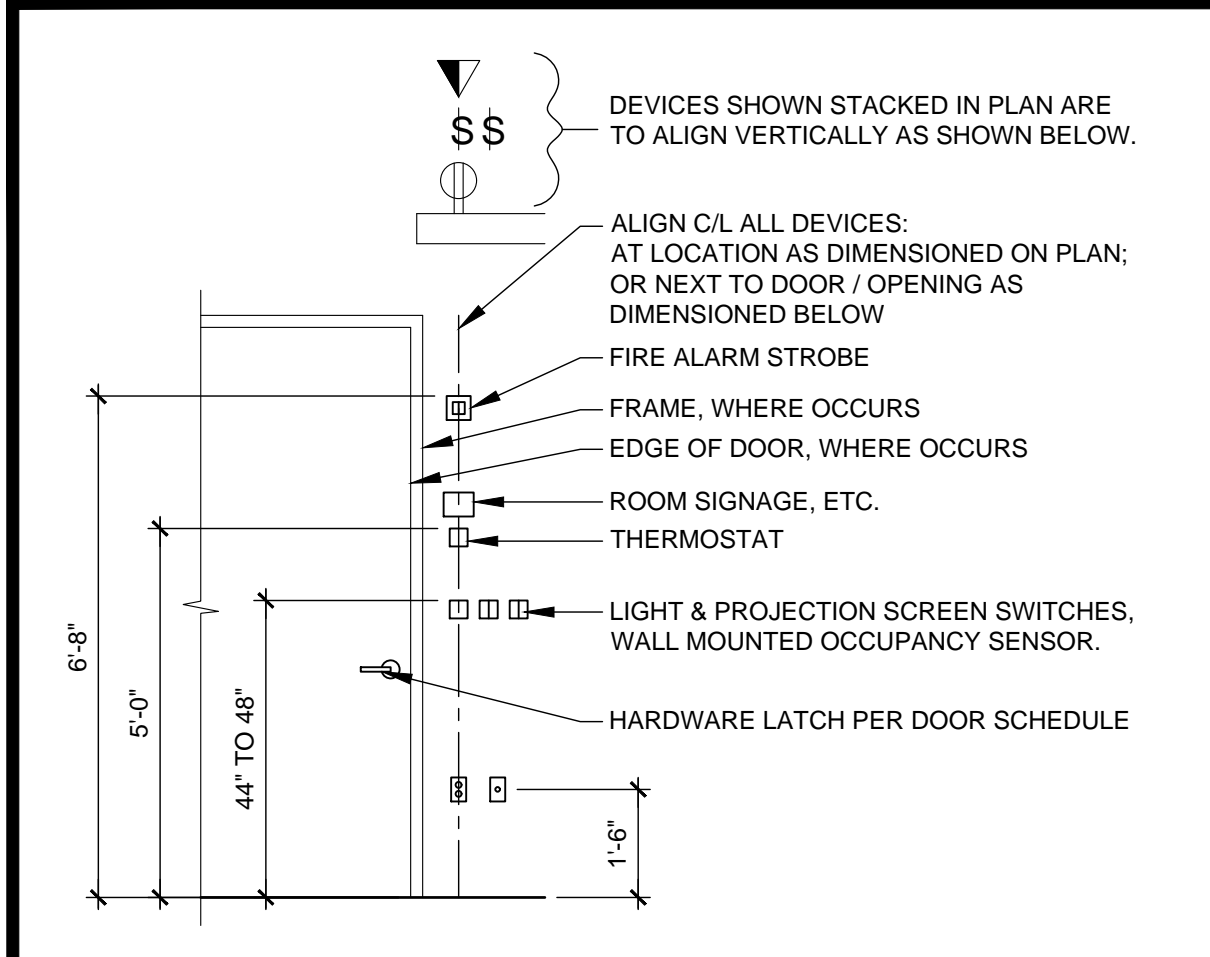
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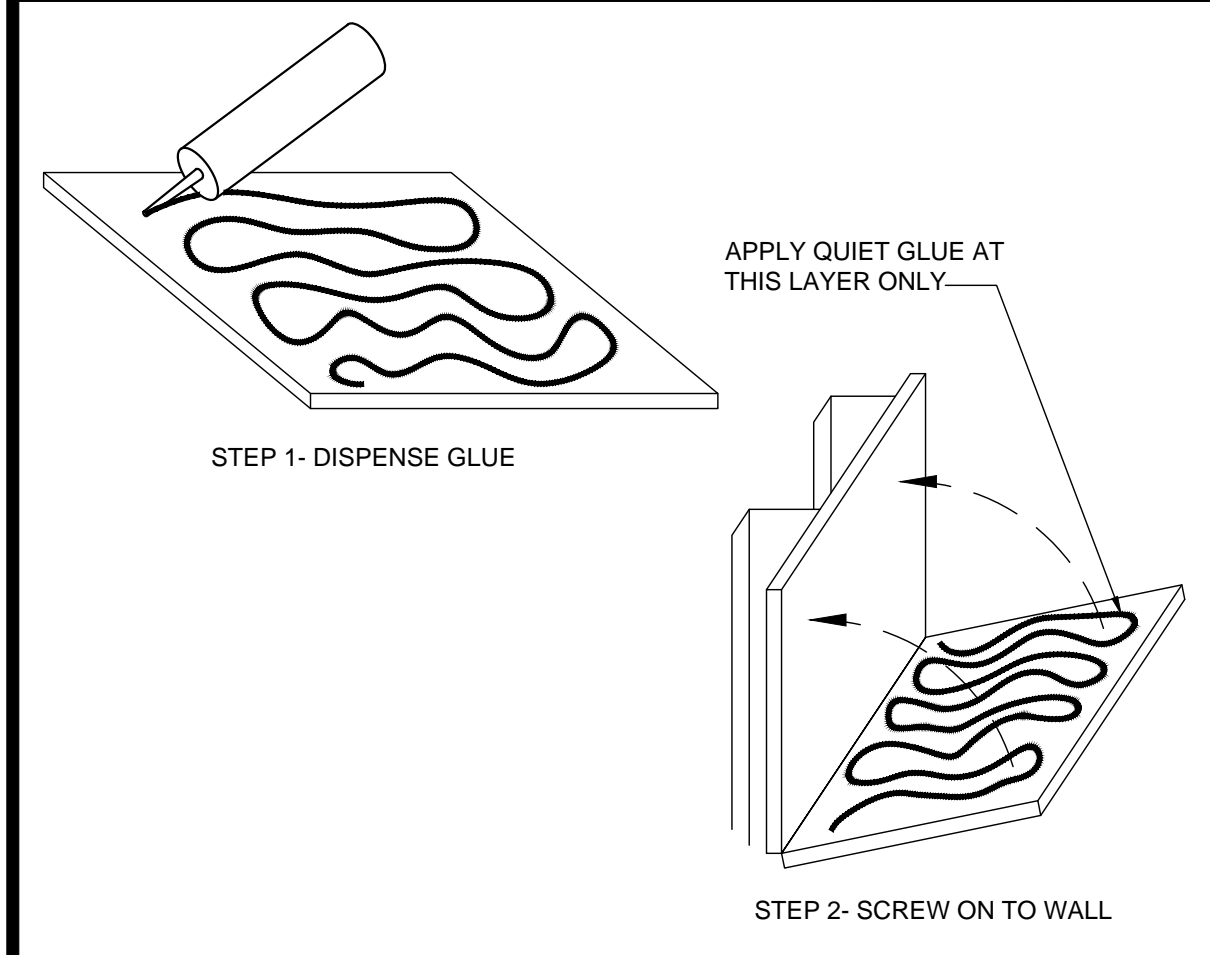
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TYPICAL ELECTRICAL HEIGHTS

SCALE
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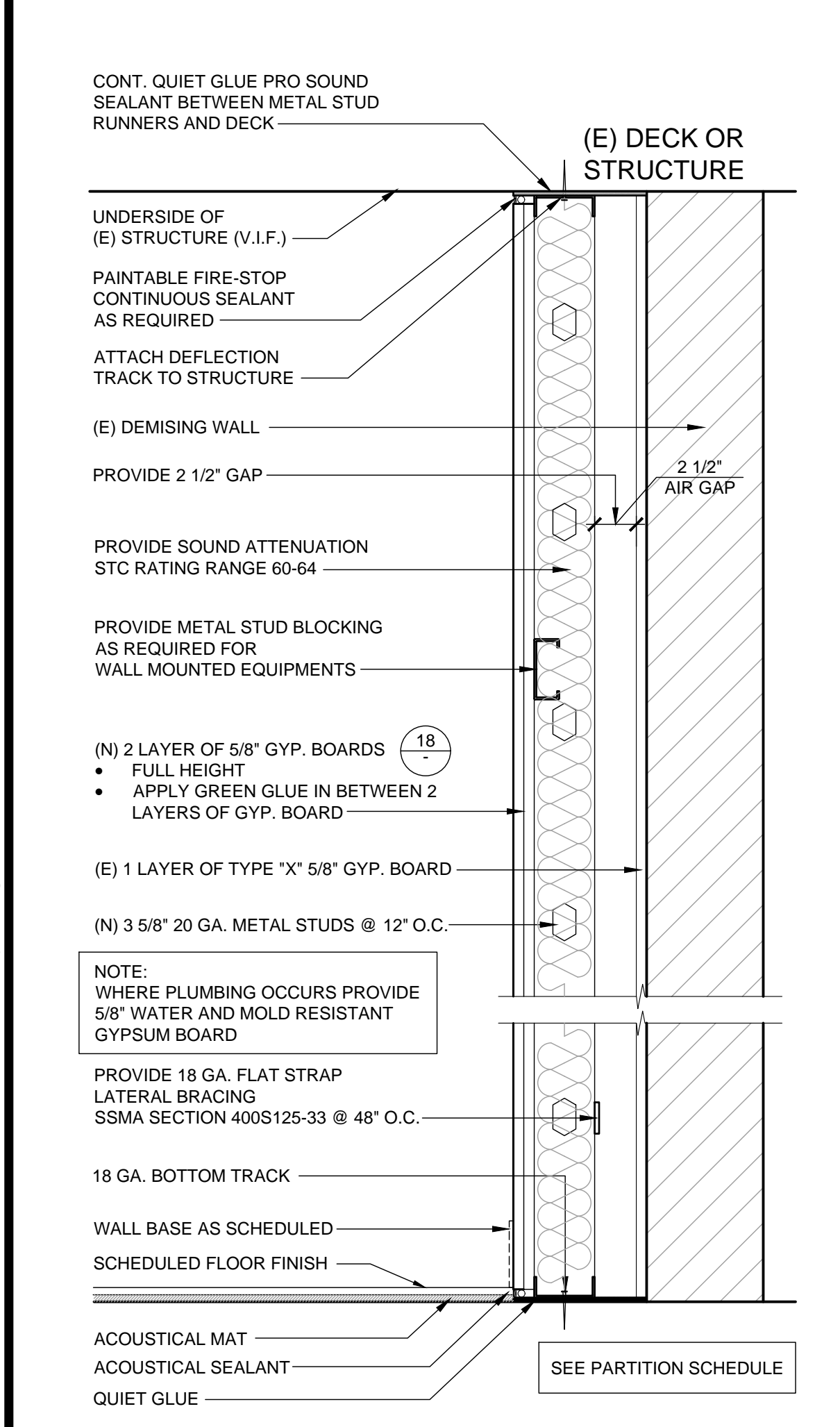
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QUIET GLUE

SCALE
NTS

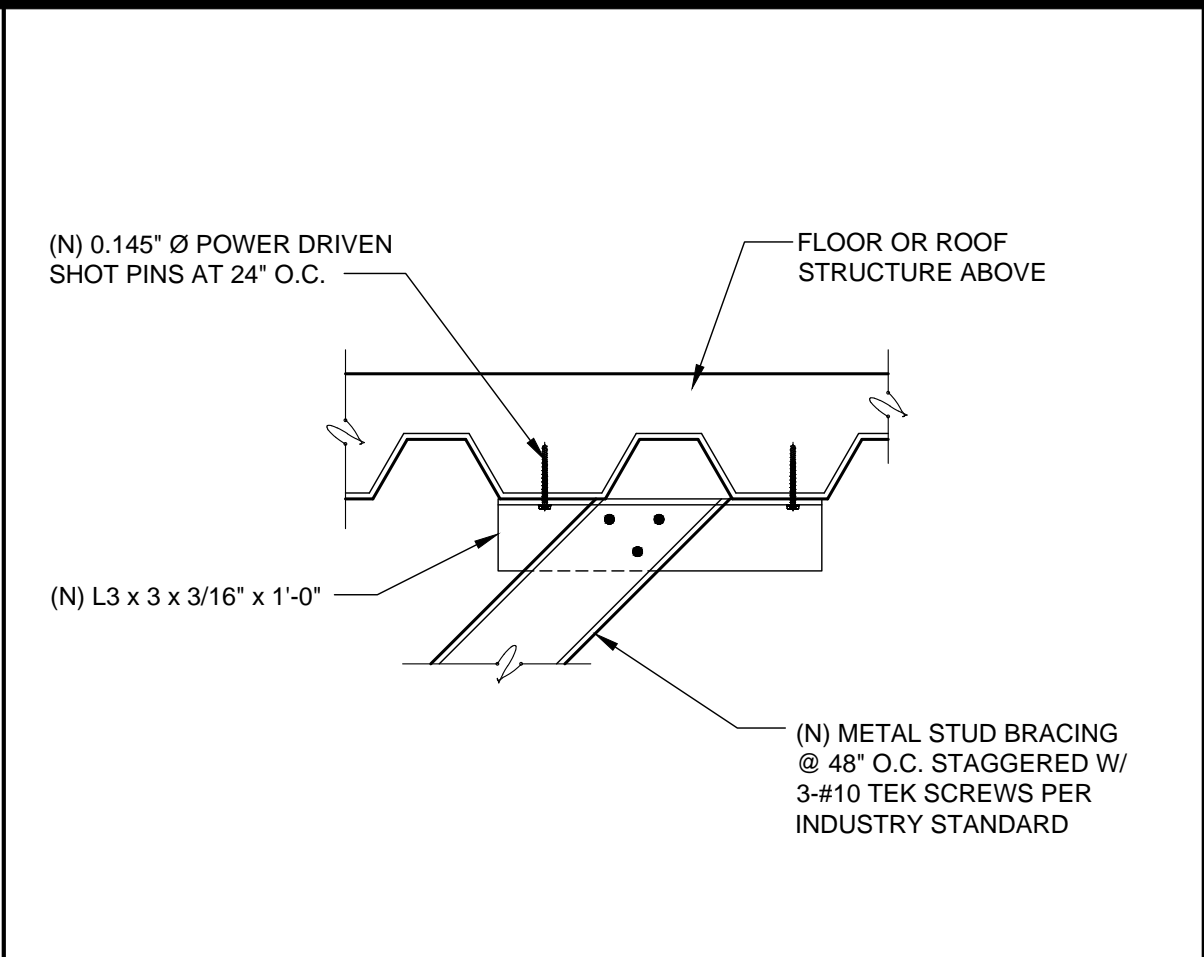
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WALL FURRING @ DEMISING WALL

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

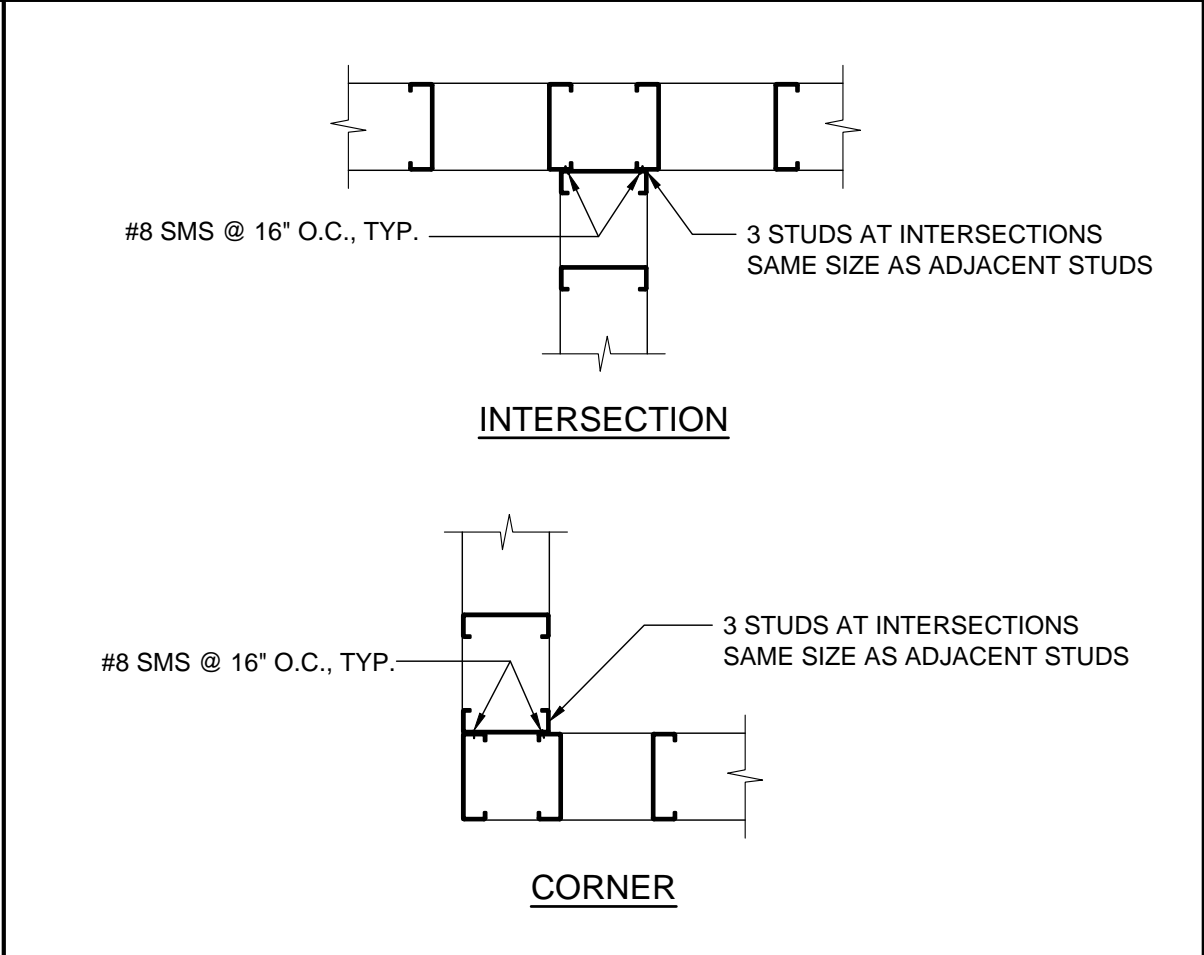
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BRACING @ METAL DECK

SCALE
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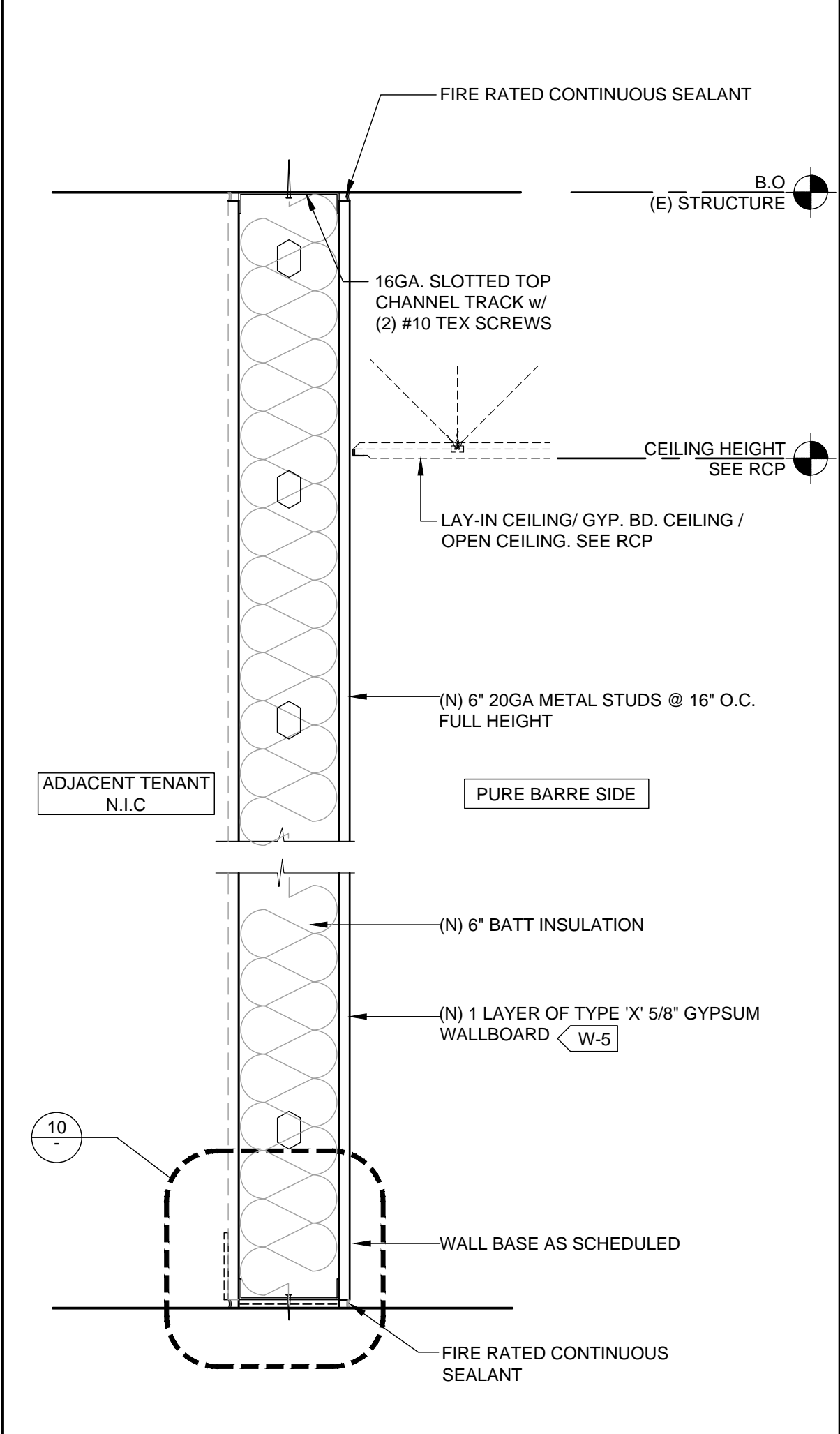
13



TYP. STUD FRAMING

SCALE
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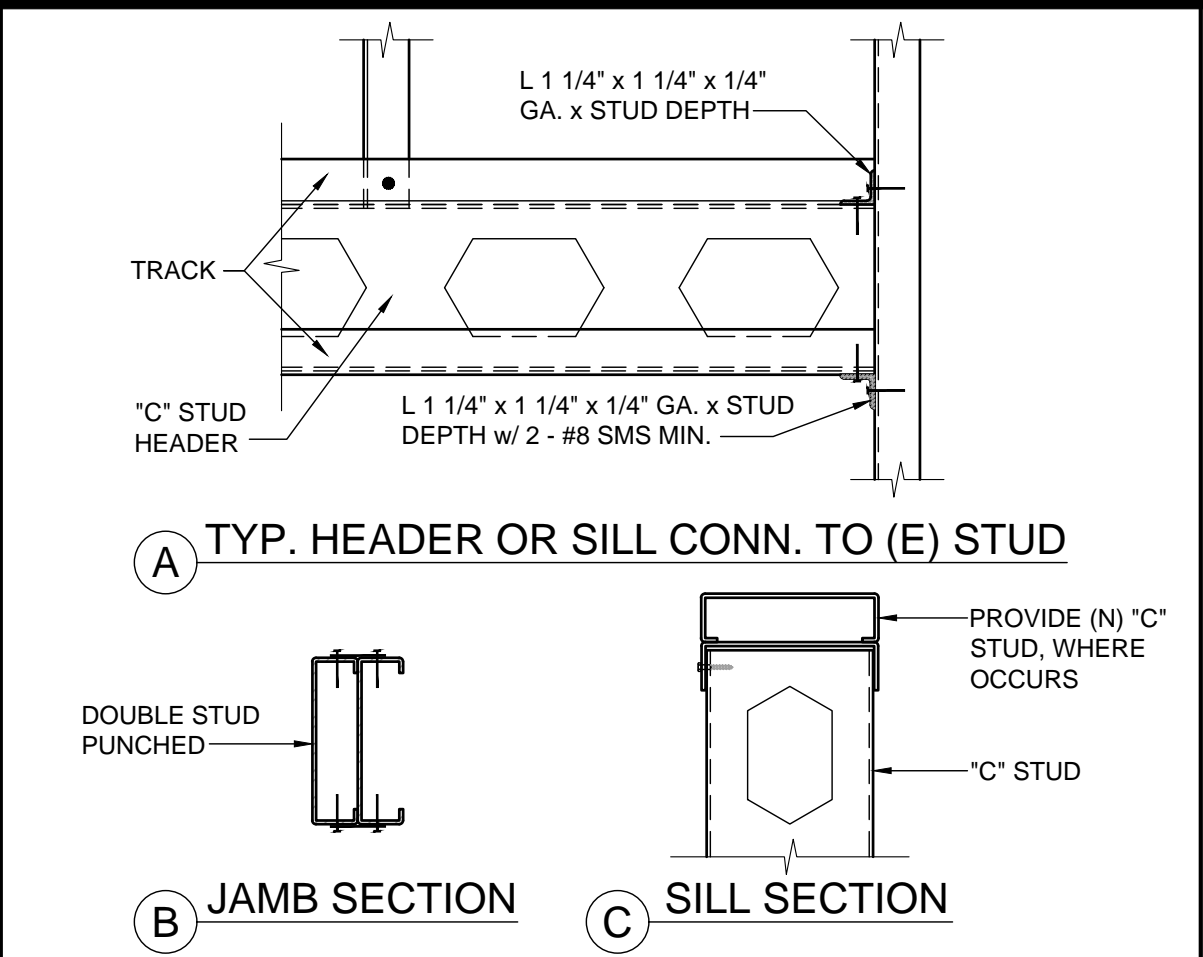
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1-HR FIRE RATED DEMISING WALL

SCALE
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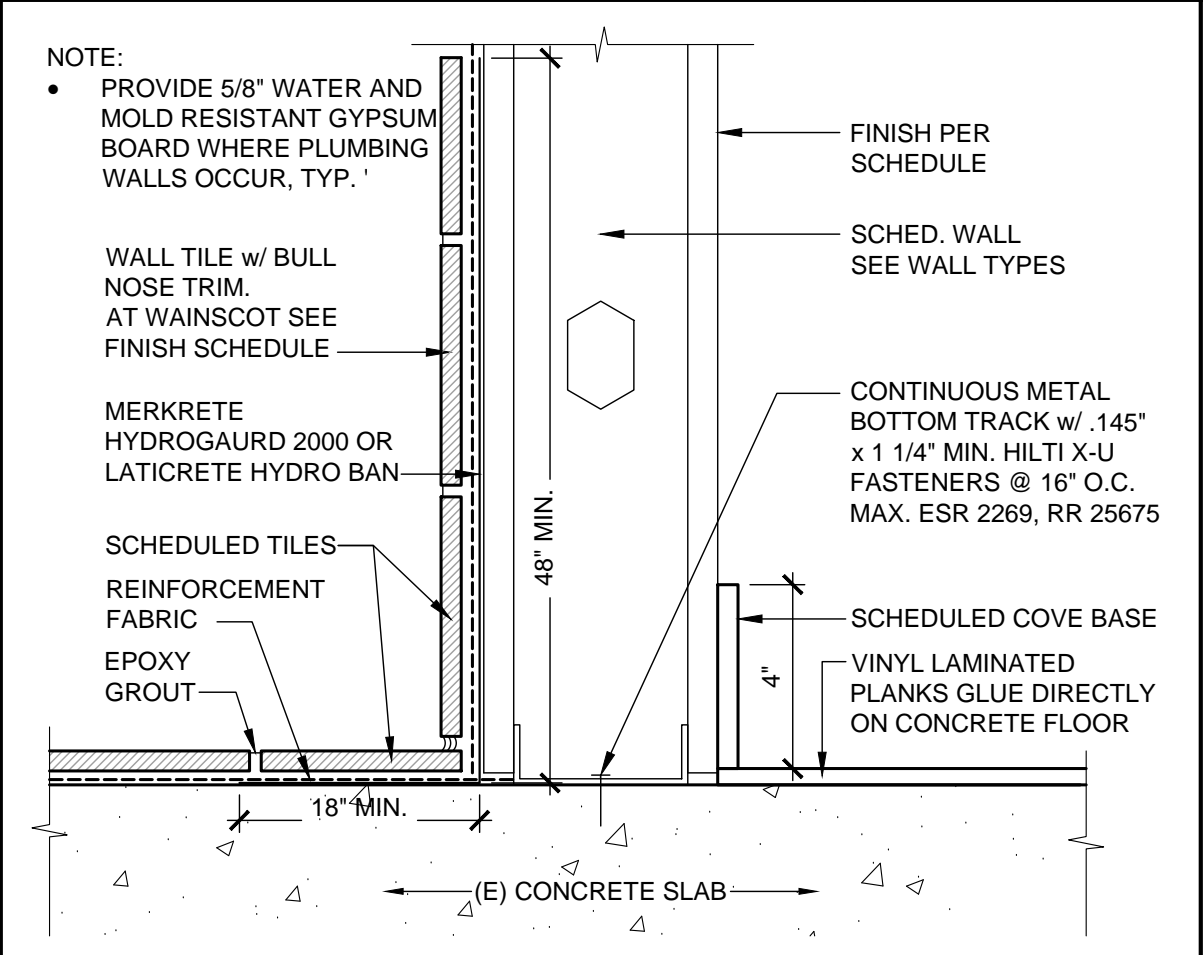
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STUD CONNECTION

SCALE
3" = 1'-0"

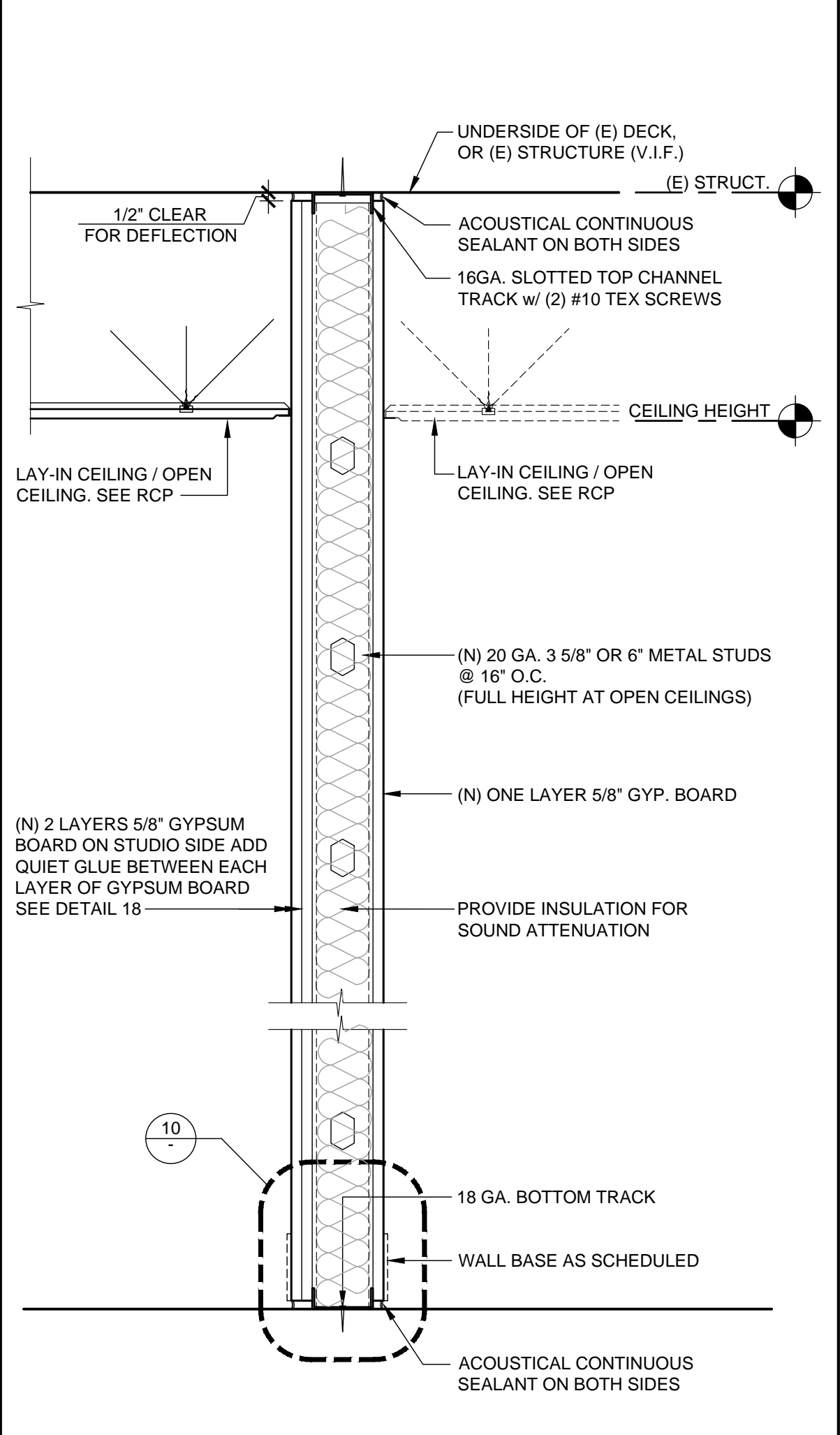
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WALL BASE DETAIL

SCALE
3" = 1'-0"

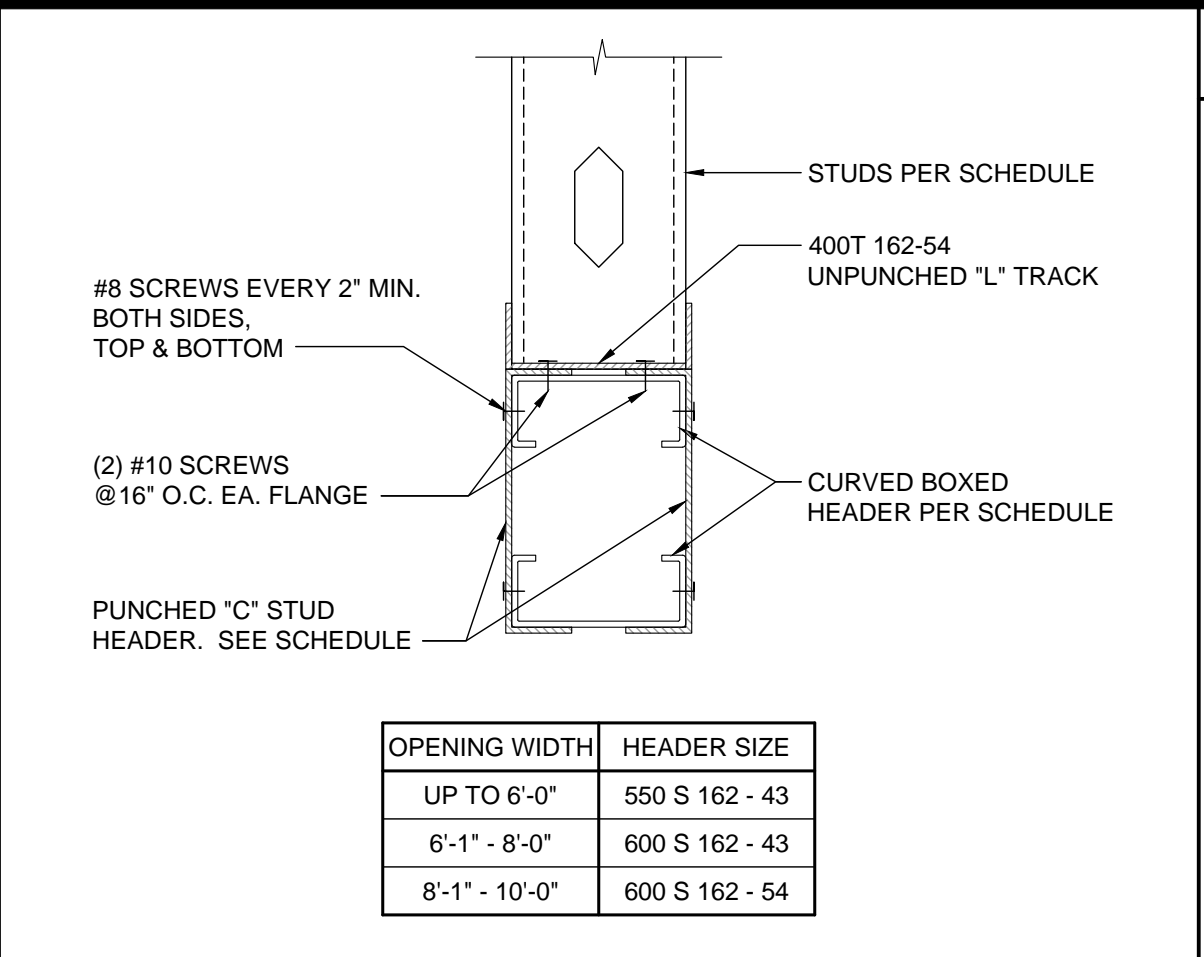
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WALL PARTITION

SCALE
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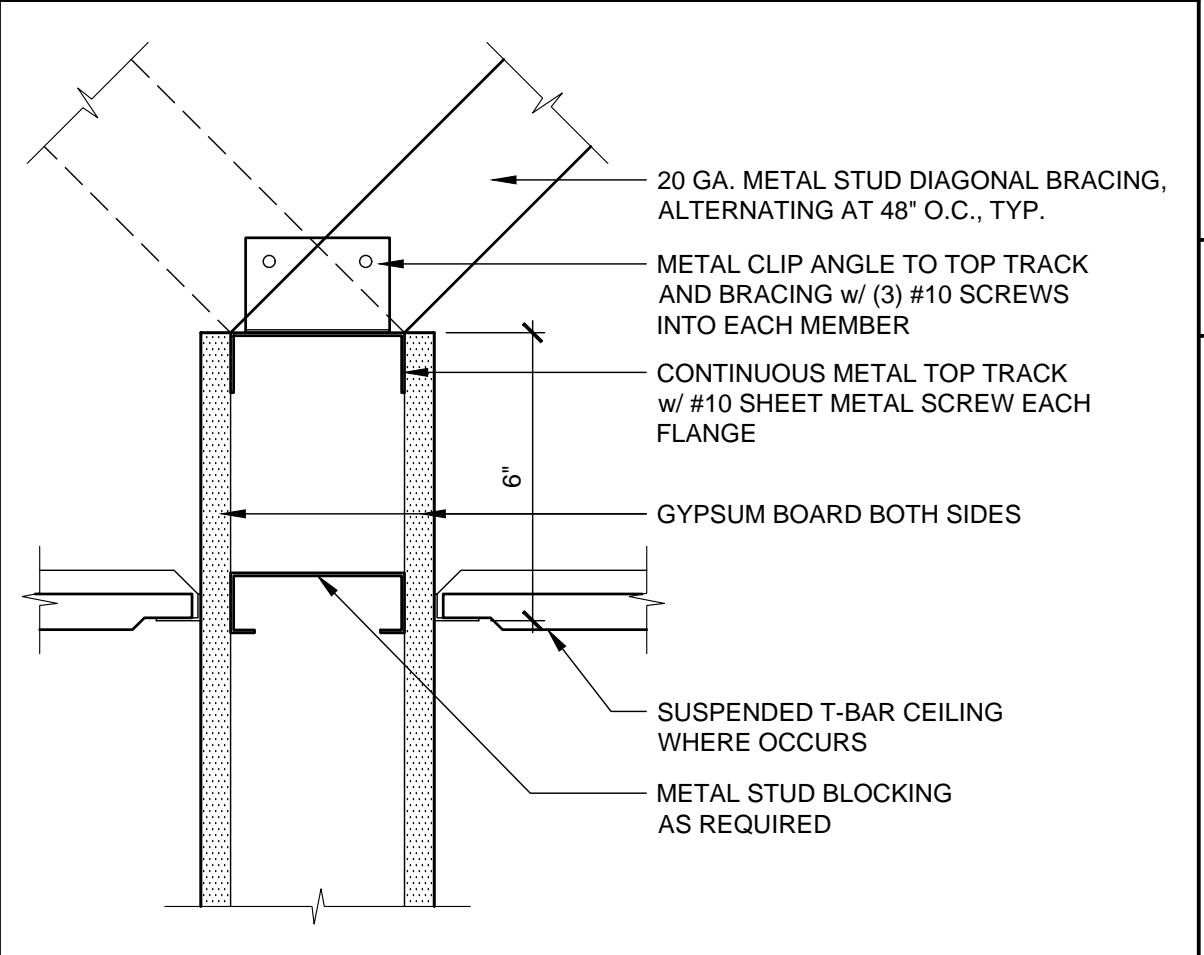
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BOX HEADER

SCALE
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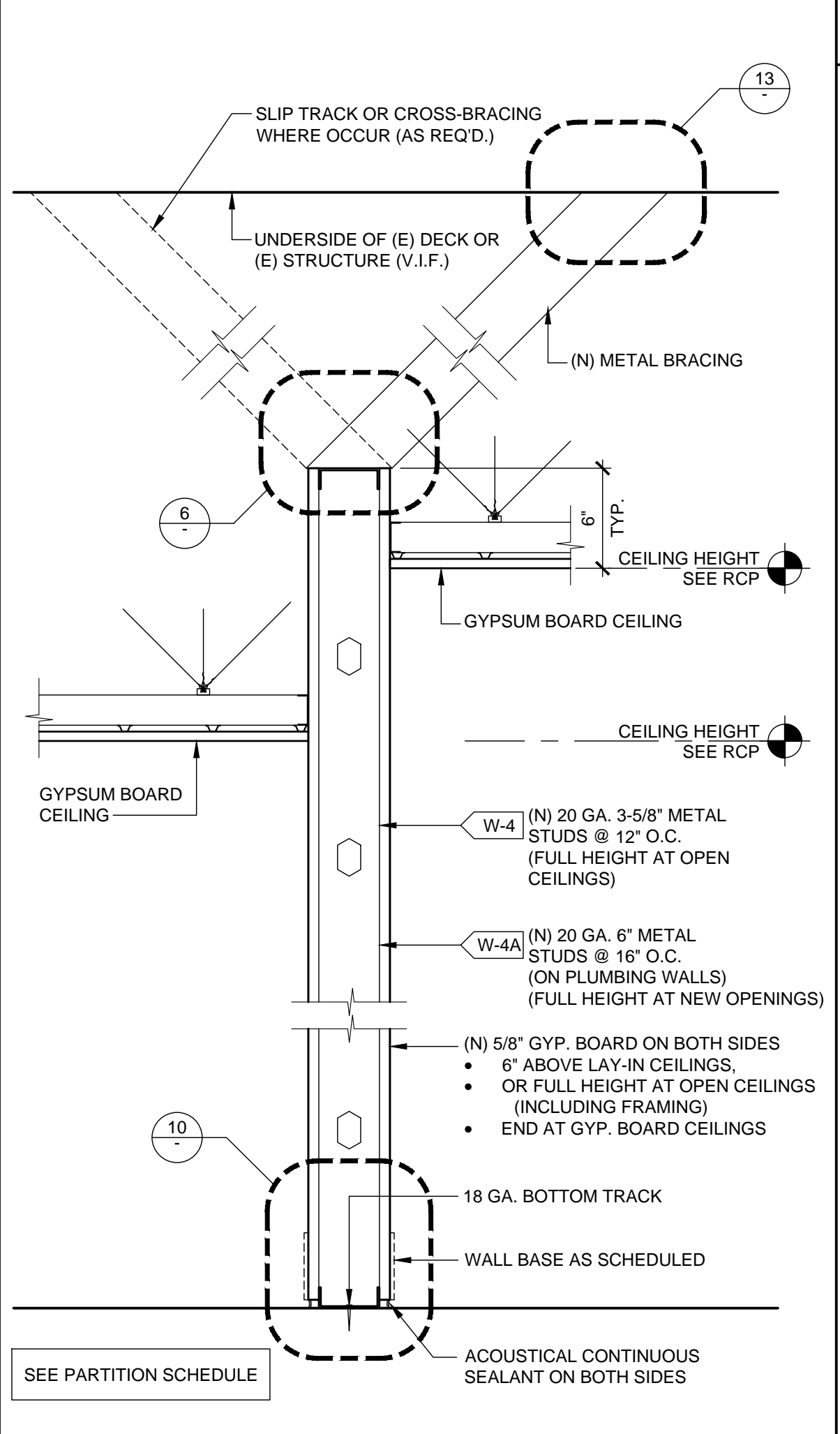
5



TOP TRACK BRACING

SCALE
3" = 1'-0"

6



WALL PARTITION NON RATED

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

8

FRAMING NOTES

- GALVANIZED STEEL MUST MEET THE MINIMUM REQUIREMENTS OF ASTM A446 GRADE D (Fy=50KSI) FOR 12 GAUGE, ASTM A446 GRADE A (Fy=33KSI) FOR 14 & 16 GAUGE, AND LIGHTER FOR THE ITEM AND USE INTENDED. GALVANIZED COATINGS MUST MEET THE ASTM A525 SPECIFICATIONS.
- CARBON SHEET STEEL MUST MEET THE MINIMUM REQUIREMENTS OF ASTM A570 GRADE 50 KSI FOR 12 GAUGE, ASTM A570 GRADE 50 KSI OR GRADE 33 KSI FOR 14 & 16 GAUGE AND GRADE 33 KSI FOR 18 GAUGE AND LIGHTER MEMBERS. CARBON SHEET STEEL PRODUCTS MUST BE THOROUGHLY COATED WITH A RUST INHIBITIVE PAINT.
- ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" 2010 EDITION WITH SUPPLEMENT 2.
- METAL STUDS AND / OR JOISTS:
 - FOR METAL STUD WALLS, UNLESS OTHERWISE SHOWN ON THE DRAWINGS, PROVIDE STANDARD PUNCHED STEEL MEMBERS OF THE GAUGES SHOWN ON THE DRAWINGS.
 - USE ONLY ONE TYPE THROUGHOUT THE WORK, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR SPECIFICALLY APPROVED IN ADVANCE BY THE ENGINEER AND/OR ARCHITECT.
- ACCESSORIES: PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESILIENT CLIPS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBERS USED.
- FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS OR WELDING. SCREWS OR WELDS SHALL BE OF SUFFICIENT SIZE TO INSURE THE STRENGTH OF THE CONNECTION. ALL WELDS OF GALVANIZED STEEL SHALL BE TOUCHED UP WITH A ZINC RICH PAINT. ALL WELDS OF CARBON SHEET STEEL SHALL BE TOUCHED UP WITH PAINT.
- PROVIDE A GOOD GRADE OF COMMERCIAL GROUT FOR LEVELING THE FLOOR RUNNER MEMBER OF STEEL STUD PARTITIONS AS REQUIRED.

PARTITION SCHEDULE

- ALL THE METAL STUDS USED SHALL BE "ICC-ES" TYPE OR APPROVED EQUAL.
- THE BRIDGING, BLOCKING OR END BEARING STIFFENERS SHALL BE AS REQUIRED BY THE MANUFACTURER UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- ALL THE STUDS SHALL CONFORM TO "ICC-ES EVALUATION REPORT" ESR-3064P OR APPROVED EQUAL.
- UNLESS OTHERWISE NOTED ON THE PLANS, USE THE FOLLOWING GUIDELINE FOR STUD SIZE & SPACING FOR INTERIOR PARTITIONS.
- TOP TRACK SIZE WILL BE 20 GA. MINIMUM FOR PARTITION, U.N.O.
- SCAFCO SLOTTED TRACK, 400SLT250-43 OR 600SLT250-33, 18 GA. "ICC-ES EVALUATION REPORT" ESR-3064P OR APPROVED EQUAL.

S I Z E	MAXIMUM PARTITION HEIGHT (5psf L/240)			
	SPACING	HEIGHT (COMPOSITE)	HEIGHT (NON-COMP.)	HEIGHT (BRACED 48"OC)
362 S 125 - 33	12"	19' - 2"	17' - 7"	17' - 8"
362 S 125 - 33	16"	17' - 5"	16' - 0"	16' - 1"
400 S 125 - 33	16"	18' - 3"	17' - 3"	17' - 4"
600 S 125 - 33	16"	25' - 6"	23' - 9"	23' - 11"

METAL JOIST SCHEDULE

- USE "ICC-ES EVALUATION REPORT" ESR-3064P OR APPROVED EQUAL.
- USE 600S125-43 @ 16" O.C. UP TO 16'-0" MAXIMUM SPAN WHERE CEILING SUPPORTED TOILET PARTITIONS OCCUR.
- STUD TRACKS SHALL BE UNPUNCHED STUDS OF SAME GAUGE AS STUD UNLESS NOTED OTHERWISE.
- ACOUSTIC CEILING TIES (SEE FINISH SCHEDULE) WITH 1 - #8 SCREWS AT EACH JOIST.

GYPSUM BOARD CEILING	CEILING TIES (BRACING) SPACING	S I Z E	MAXIMUM SPAN		MAXIMUM SPAN	
			SPACING	SPAN	SPACING	SPAN
	4' - 0"	362 S 125 - 30	16"	8' - 0"	24"	7' - 0"
	3' - 6"	550 S 125 - 30	16"	11' - 0"	24"	9' - 0"
	3' - 6"	600 S 125 - 30	16"	16' - 0"	24"	13' - 0"






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910-U NORTHWEST BLUE PARKWAY
LEE'S SUMMIT, MO 64086
RACHEL HILTON
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CONSULTANT

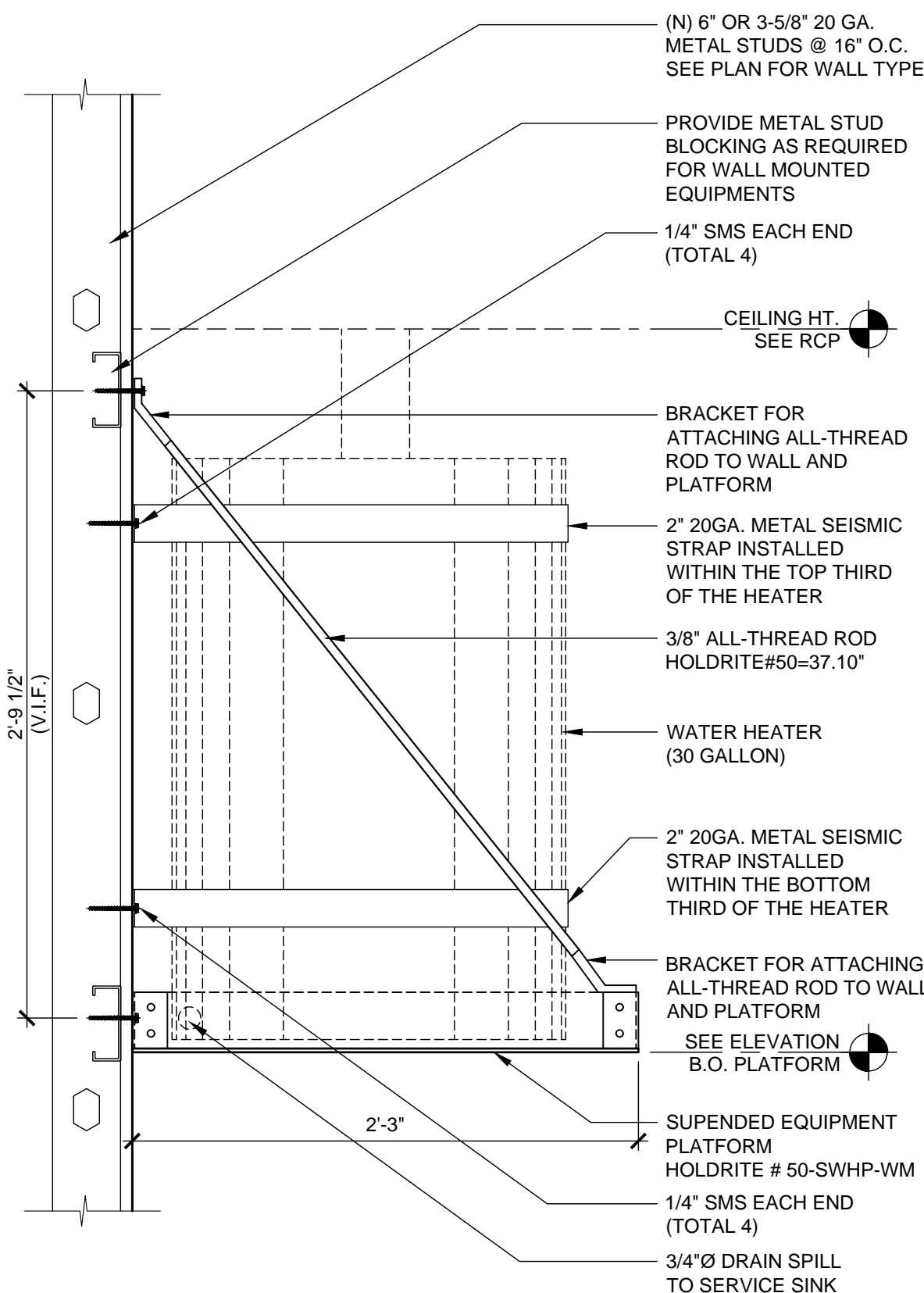
PURE BARRE
INTERIOR TENANT IMPROVEMENT
910-U NORTHWEST BLUE PARKWAY
LEE'S SUMMIT, MO 64086
WALL AND MISCELLANEOUS DETAILS

PROJECT LOCATION
SHEET TITLE
STAMP
STATE OF MISSOURI
WILLIAM A. ARCHITECT
NUMBER A-2012004034
DATE SIGNED: 2020-04-13
RENEWAL DATE: 2020-12-31
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REVISIONS
DATE
2020.04.10
PROJECT NUMBER
A2275
SHEET NUMBER
A71
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
04/14/2020
PERMIT SET : 2020_04_10

Plotted: 4/13/2020 4:40 PM (treadmill) File: 15_a02727a8.1_dri and window sched.dwg

LUMINAIRE SCHEDULE

Luminaire Schedule (Issue: July 29th, 2019)			Project No. 90217		Pure Barre - Prototype			
Contact Mike Herrell with Commercial Lighting Industries, 800-755-0155 x124, MHerrell@Commercial-Lighting.net for pricing								
Fixture Type	Reference Image	Description	Dimming Interface	Product Registration ID	Lamps, CCT, Lumen, Optics, CRI	Input Voltage	Fixture Wattage	Mounting, Finishes, Remarks & Other Notes
ARCHITECTURAL FIXTURE TYPES								
A		Recessed 2x4 LED Troffer, Direct/Indirect	0-10 (10% Default)	CLI-NAPBA	LED Module, 3500K, 5400 lm	120/277	57	Recessed mount in Studio
B		6" Recessed LED Downlight	0-10V (1%)	CLI-NAPBB	LED Module, 3500K, 1500 lm, 80 CRI	120/277	13	Recessed mount in Restroom
EMERGENCY FIXTURE TYPES								
EM		2-Head LED Emergency Light, high lumen, remote capable	N/A	CLI-NAPBEM	LED Incl	DV	2	Wall mount. Self Diagnostics. Finish color to be verified by Architect.
EXEM		Exit, Sngl/Db'l, Red letters, emergency light combination, high lumen, universal mount, Self Powered, remote capable	N/A	CLI-NAPBEXEM	2-LED Incl	DV	3	Universal Wall or Ceiling. Finish color to be verified by Architect.
EX		Exit Sign, Sngl/Db'l, Red letters, emergency light combination, universal mount	N/A	CLI-NAPBEX	LEDm	DV	TBD	Universal Wall or Ceiling. Finish color to be verified by Architect. Damp location rated.

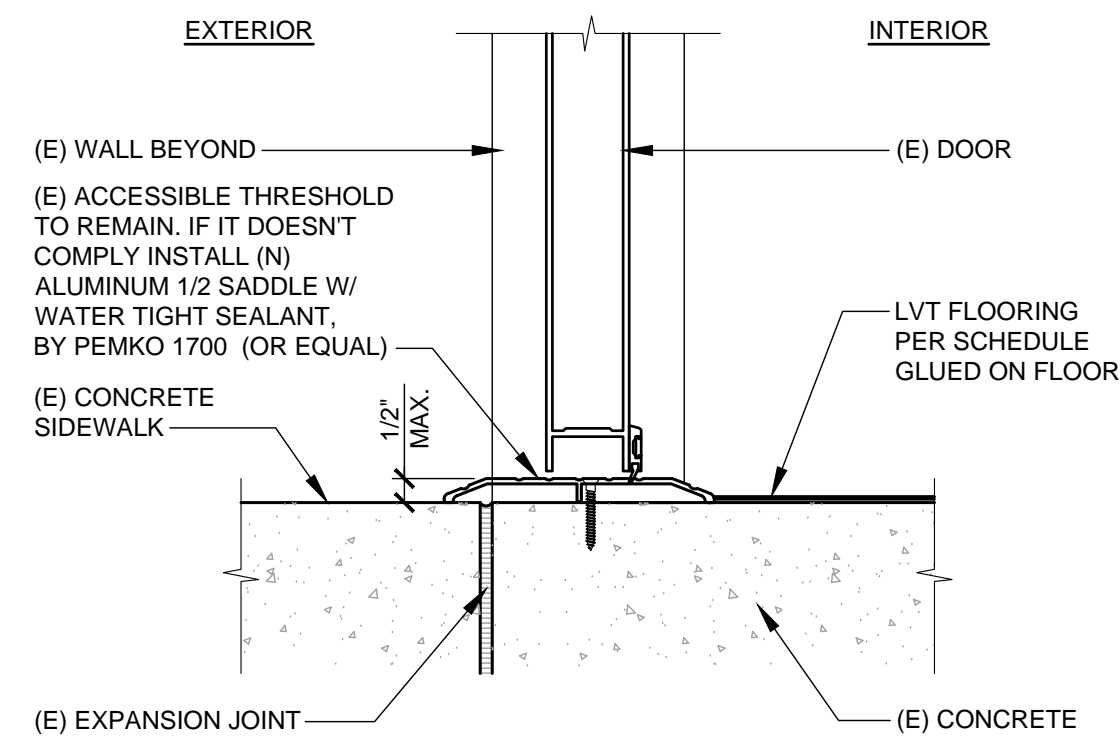


SUSPENDED PLATFORM DETAILS

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

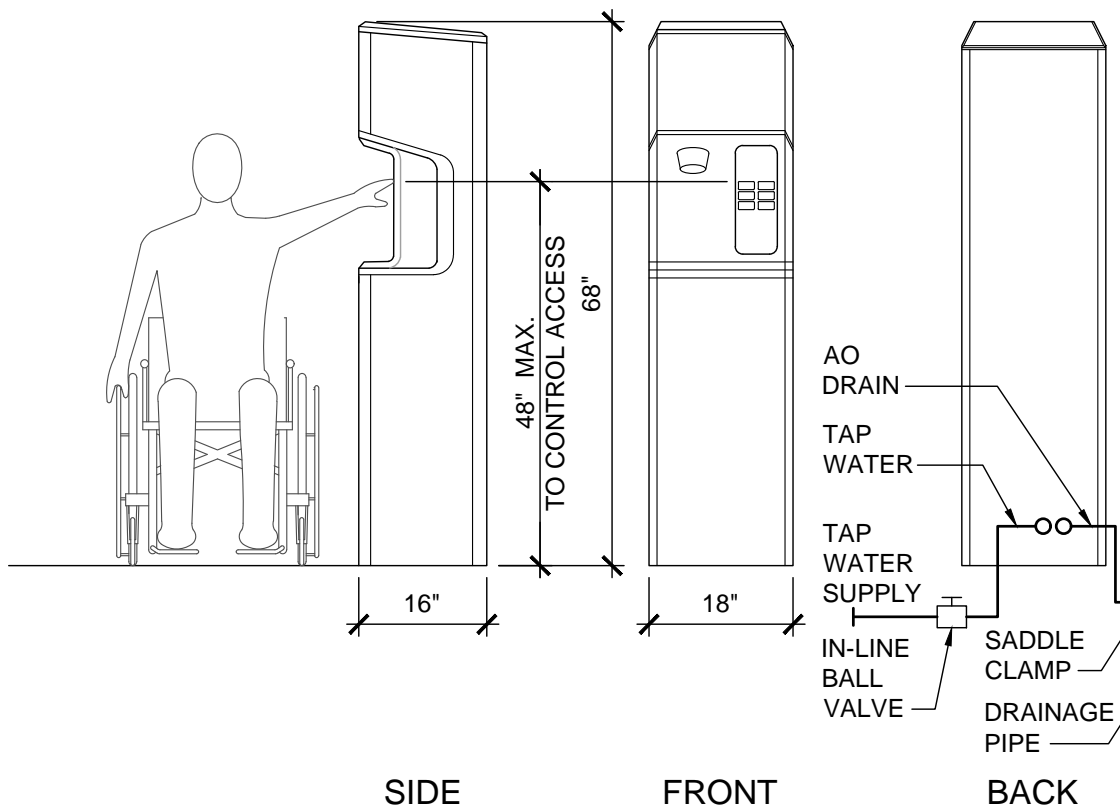
ADA COMPLIANCE WATER DISPENSER

SCALE
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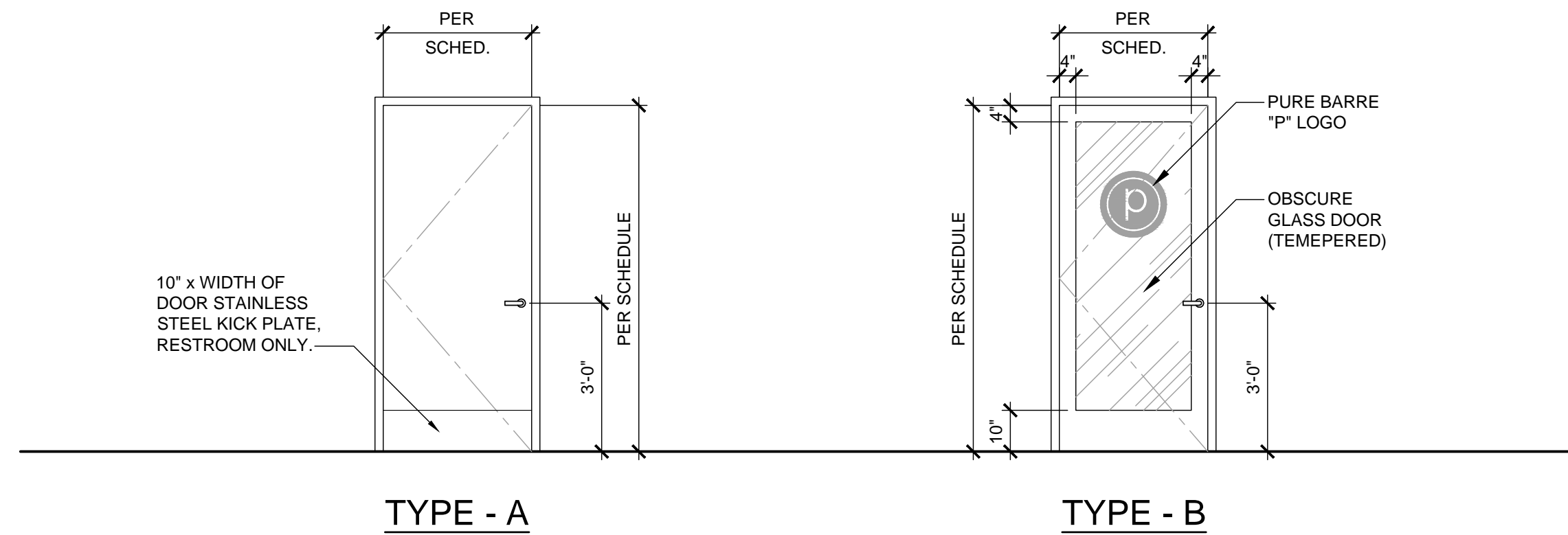


THRESHOLD DETAIL

SCALE
3" = 1'-0" 11

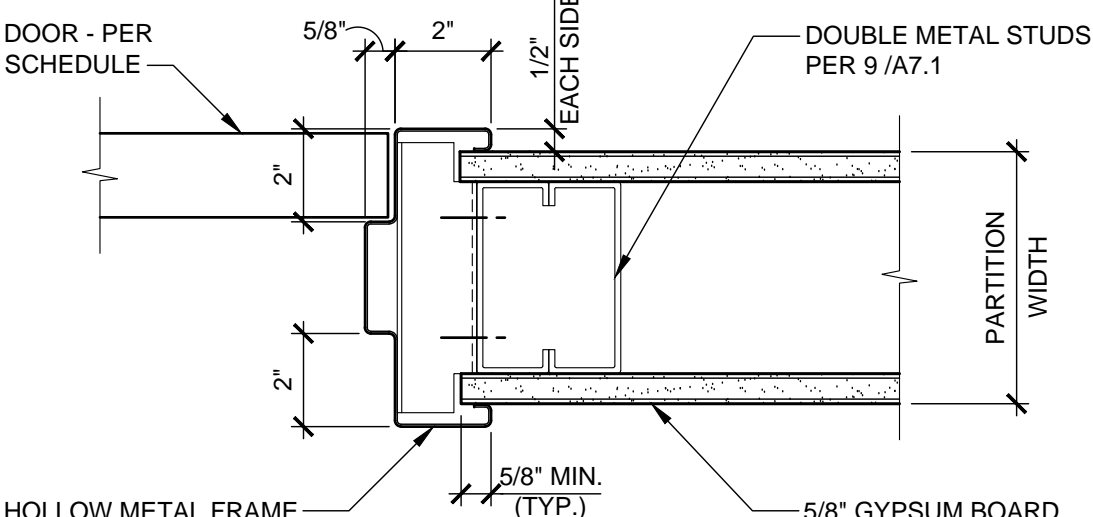


SCALE
1/2" = 1'-0" 12



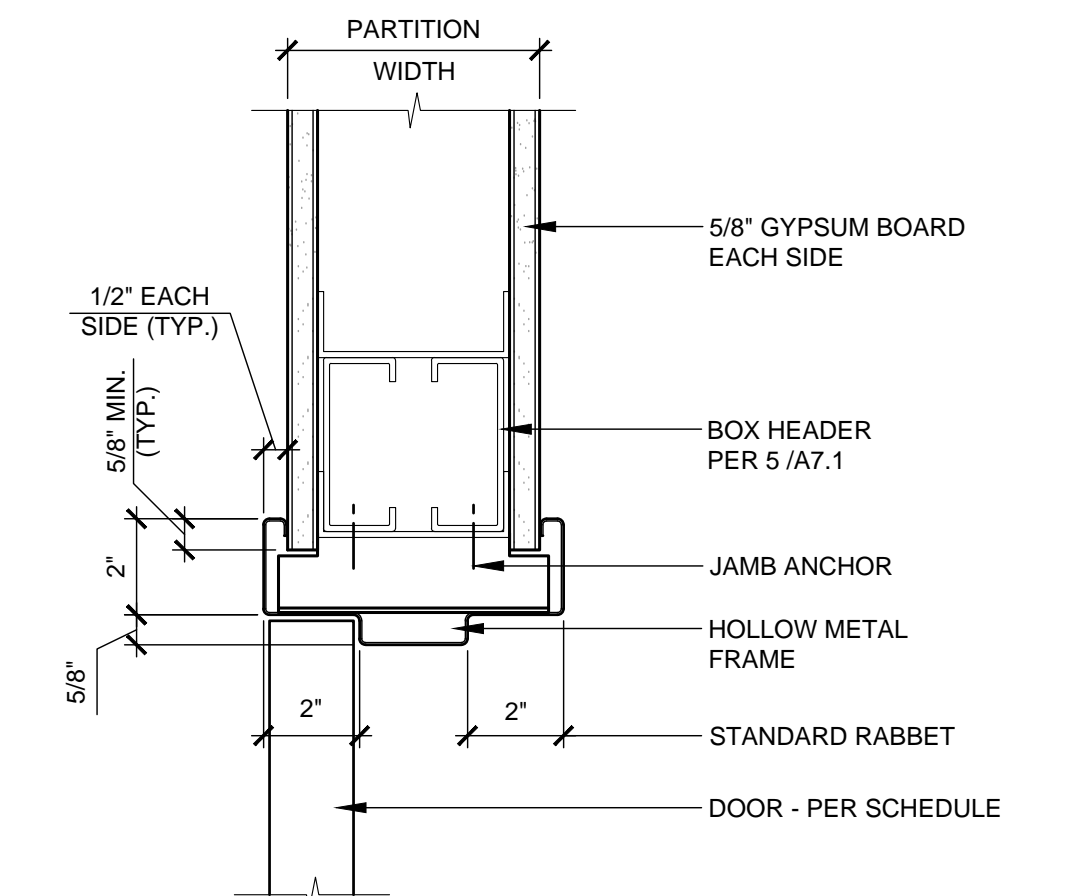
DOOR TYPES

SCALE
3/8" = 1'-0" 3



INTERIOR DOOR JAMB

SCALE
3" = 1'-0" 8



INTERIOR DOOR HEAD

SCALE
3" = 1'-0" 4

DOOR SCHEDULE

NO.	ROOM NAME	DOOR				SET NO.	FRAME				REMARKS
		SIZE	THK.	TYPE	MAT'L	FINISH	MAT'L	FINISH	HEAD	JAMB	
101	SALES AREA / CHECK IN	PR 3'-0" x 7'-0"	(E)	(E)	(E)	(E)	4	(E)	(E)	(E)	
102	UTILITY	3'-0" x 7'-0"	1-3/4"	A	S.C.	P-5 /P-6	1	H.M.	P-5 /P-6	4/A8.1	8/A8.1
103	UNISEX RESTROOM 1	3'-0" x 7'-0"	1-3/4"	A	S.C.	P-5 /P-6	3	H.M.	P-5 /P-6	4/A8.1	8/A8.1
104	UNISEX RESTROOM 2	3'-0" x 7'-0"	1-3/4"	A	S.C.	P-5 /P-6	3	H.M.	P-5 /P-6	4/A8.1	8/A8.1
105	PURE BARRE STUDIO	3'-0" x 7'-0"	1-3/4"	B	S.C.	P-5	2	H.M.	P-5	4/A8.1	8/A8.1

DOOR AND HARDWARE NOTES

- G.C. TO VERIFY THAT EXISTING DOORS TO REMAIN ARE IN GOOD WORKING CONDITION.
 - ALL EXISTING DOORS TO REMAIN SHALL KEEP THE EXISTING HARDWARE U.N.O. OR FOUND TO NOT FUNCTION PROPERLY. G.C. TO CLEAN AND REPAIR HARDWARE TO AS-NEW CONDITION.
 - NEW BEST LOCK LEVER TYPE HARDWARE. FINISH TO MATCH EXISTING. G.C. TO VERIFY IN FIELD.
 - EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
 - G.C. TO PROVIDE SIGNAGE ON PRIMARY EGRESS DOORS STATING "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED."
 - ALL FINISH HARDWARE SHALL COMPLY WITH ALL GOVERNING CODES AND ACCESSIBILITY CODES.
 - ALL DOOR EDGES SHALL BE PRIMED AND PAINTED. VERIFY COLOR WITH INTERIOR ELEVATIONS.
 - G.C. SHALL PROVIDE A FLOOR MOUNTED DOOR STOP FOR DOORS THAT SWING AGAINST THE WALL.
 - ALL DOOR SILENCERS SHALL BE INSTALLED AFTER DOOR AND FRAME HAVE RECEIVED FINAL PAINTED.
 - INSTALL CAULKING AROUND DOOR FRAME JAMBS, HEAD AND AT BOTTOM OF FRAME.
 - DOOR OPENING FORCE: FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN, EXTERIOR OR INTERIOR HINGED DOORS WITH CLOSERS AND SLIDING OR FOLDING DOORS, SHALL NOT EXCEED FIVE POUNDS (22.2 N) MAXIMUM.
 - HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH CODE. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
- SET # 1: UTILITY DOOR
- | | | | |
|---------------------|-----------------------------|-------|-----------------------------|
| 3 HINGES | FBB179-4½ x 4½ NRP | US26D | STANLEY |
| 1 STOREROOM LOCKSET | QCL271 478S LC | 626 | STANLEY COMMERCIAL HARDWARE |
| 1 CYLINDER | OWNER STANDARD | 626 | BEST TRIMCO |
| 1 KICK PLATE | K0050 10"x2" LDWX X CSK B4E | 630 | TRIMCO |
| 1 WALL BUMPER | 1270WV | 630 | TRIMCO |
| 3 DOOR SILENCERS | 1229 SERIES | GREY | TRIMCO |
- SET # 2: STUDIO DOOR
- | | | | |
|-------------------|--------------------|-------|-----------------------------|
| 3 HINGES | FBB179-4½ x 4½ NRP | US26D | STANLEY |
| 1 PRIVACY LOCKSET | QCL255 E 478S | 626 | STANLEY COMMERCIAL HARDWARE |
| 1 CYLINDER | OWNER STANDARD | 626 | BEST TRIMCO |
| 1 WALL BUMPER | 1270WV | 630 | TRIMCO |
| 3 DOOR SILENCERS | 1229 SERIES | GREY | TRIMCO |
- SET # 3: RESTROOM DOOR
- | | | | |
|------------------------------|-----------------------------|-------|-----------------------------|
| 3 HINGES | FBB179-4½ x 4½ NRP | US26D | STANLEY |
| 1 PRIVACY LOCKSET | QCL240 E 478S | 626 | STANLEY COMMERCIAL HARDWARE |
| 1 CLOSURE | 8916-AFP | 689 | DORMA |
| 1 KICK PLATE | K0050 10"x2" LDWX X CSK B4E | 630 | TRIMCO |
| 1 WALL BUMPER | 1270WV | 630 | TRIMCO |
| 1 SOLID THRESHOLD PER DETAIL | 1229 SERIES | GREY | TRIMCO |
| 3 DOOR SILENCER | | | |
- SET # 4: ENTRY/ EXITING DOOR

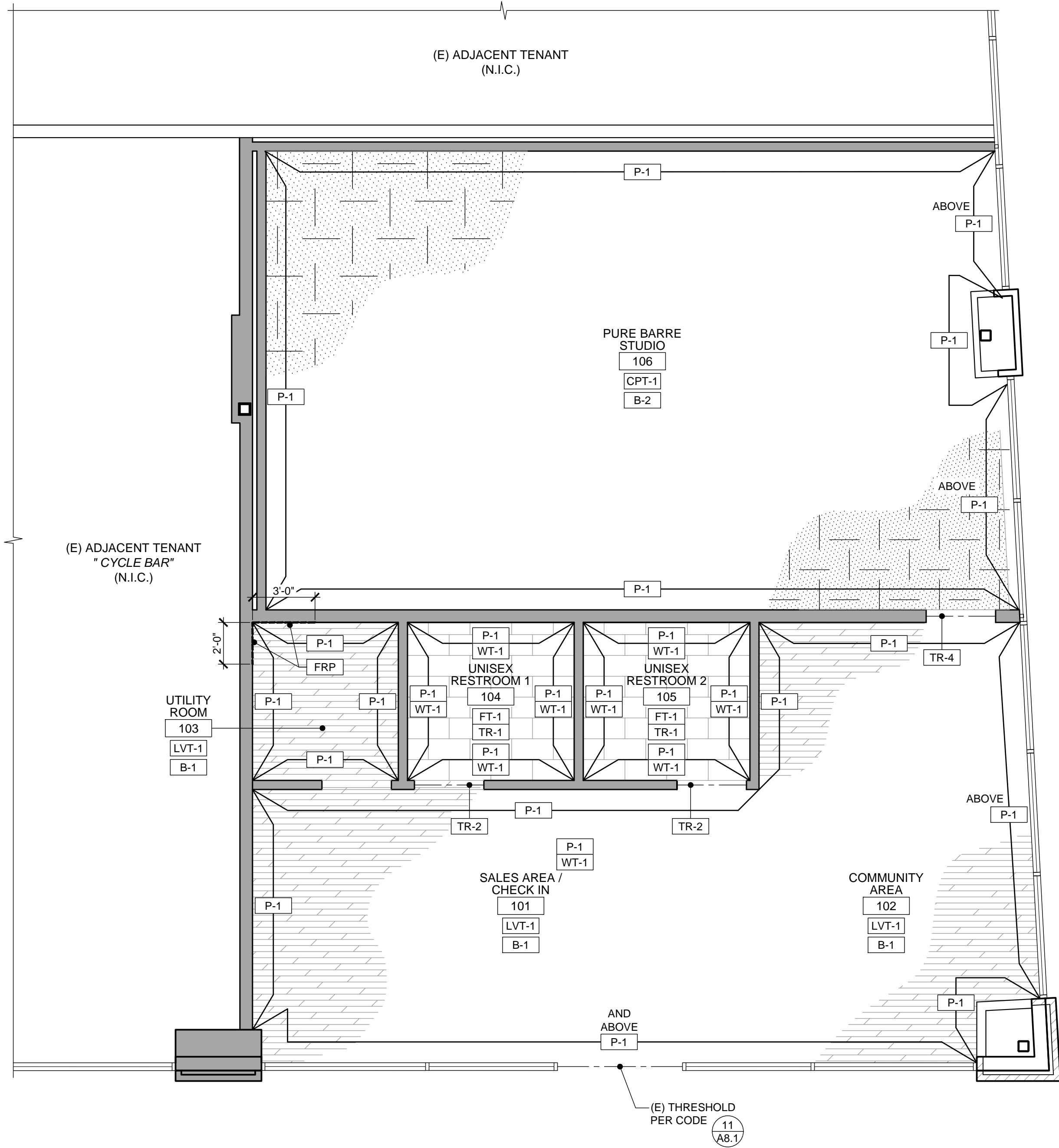
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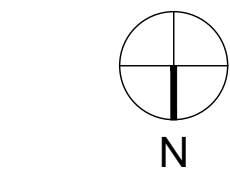
PURE BARRE
INTERIOR TENANT IMPROVEMENT
910-U NORTHWEST BLUE PARKWAY
LEE'S SUMMIT, MO 64086
PROJECT LOCATION
SHEET TITLE
DOOR SCHEDULE AND HARDWARE NOTES & DETAILS

STAMP
STATE OF MISSOURI
WILLIAM A. ARCHITECT
NUMBER A-2012004034
DATE SIGNED: 2020-04-13
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SHEET NUMBER
A8.1
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LEE'S SUMMIT, MISSOURI
04/14/2020
PERMIT SET : 2020_04_10

Plotted: 4/13/2020 4:48 PM (treadmill) File: 16_a2275_a8.2_room fin.sched.dwg



ROOM FINISH PLAN



SCALE
1/4" = 1'-0"

12

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS								CEILING			REMARKS (NUMBERS REFER TO NOTES BELOW) <div><div></div><div>A</div><div>B</div><div>C</div><div>D</div></div>
				A		B		C		D		MATERIAL	PAINT	HEIGHT	
				MATERIAL	PAINT	MATERIAL	PAINT	MATERIAL	PAINT	MATERIAL	PAINT				
101	SALES AREA / CHECK IN	LVT-1	B-1	GWB	P-1	-	-	(E)	P-1	GWB	P-1	OPEN	P-2	SEE REFLECTED CEILING PLAN 8/A2.1	①②③④⑤
102	COMMUNITY AREA	LVT-1	B-1	GWB	P-1	(E)	P-1	(E)	P-1	GWB	P-1	OPEN	P-2		①②③④⑤
103	UTILITY	LVT-1	B-1	GWB	P-1/FRP	GWB	P-1	GWB	P-1	GWB	P-1/FRP	ACT-1	-		①②⑤
104	UNISEX RESTROOM 1	FT-1	B-1	GWB	P-1/ WT-1	GWB	P-1/ WT-1	GWB	P-1/ WT-1	GWB	P-1/ WT-1	GWB	P-2		①②⑤
105	UNISEX RESTROOM 2	FT-1	-	GWB	P-1/ WT-1	GWB	P-1/ WT-1	GWB	P-1/ WT-1	GWB	P-1/ WT-1	GWB	P-2		①②⑤
106	PURE BARRE STUDIO	CPT-1	B-2	GWB	P-1	(E)	P-1	GWB	P-1	GWB	P-1	ACT-1	-		①②⑤

FINISH SCHEDULE REMARKS

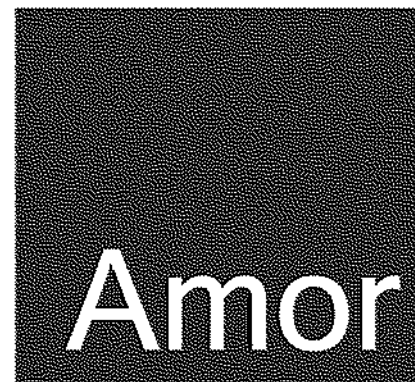
- ① REFERENCE INTERIOR ELEVATIONS AND ROOM FINISH PLAN FOR EXTENT OF FINISHES AND WALL GRAPHICS
- ② ALL GYPSUM BOARD TO BE 5/8" THICK TAPED, SPACKLED, SANDED AND READY FOR PAINT. ALL EXISTING AND NEW GYP. BOARD WILL RECEIVE MIN. LEVEL 4 FINISH.
- ③ G.C. TO REPAIR / PROVIDE INSULATION AS REQUIRED PRIOR TO PAINT
- ④ ALL SURFACES AT UNDERSIDE OF EXPOSED CEILING/ROOF DECK TO RECEIVE WHITE SCRIM SHEET, OR PAINT WHERE NEEDED (U.N.O)
- ⑤ ALL NEW AND EXISTING GYPSUM BOARD RECEIVE MINIMUM LEVEL 4 FINISH

FINISH LEGEND

TYPE	MARK	MANUFACTURER/ VENDOR	MATERIAL NAME	PRODUCT / SERIES	COLOR	REMARKS
FLOORING	LVT-1	SPS ¹	HIGH PERFORMANCE LUXURY VINYL TILE (LVT)	18" x 36" - 0.098" OVERALL THICKNESS. CLASS III COMMERCIAL GRADE	GRAY	FINISH: LVT TO BE INSTALLED RUNNING PARALLEL TO STOREFRONT LOCATION: LOBBY AND UTILITY
	CPT-1	SPS	SYNTHETIC FLOOR TILES	24 x 24	BLACK	LOCATION: STUDIO ADD 1/4" PAD UNDER CARPET TILES.
	FT-1	SPS	CERAMIC FLOOR TILE	12 x 24 x 5/16"	SHADE VARIATION MEDIUM (V2)	LOCATION: RESTROOM FLOOR
	SC-1	APPROVED VENDOR	SEALED CONCRETE			
BASE	B-1	ROPPE	4" COVE BASE	700	193 BLACK BROWN	LOCATION: LOBBY AND COMMON AREAS
	B-2		1 1/2" x 6" BASE		RED OAK	LOCATION: STUDIO
WALLS	P-1	SHERWIN WILLIAMS	PAINT	SW 7005	PURE WHITE	FINISH: SEMI-GLOSS
	WT-1	SPS	CERAMIC WALL TILE	4 x 16 x 1/4"	WHITE	INSTALLATION: STACKED LOCATION: RESTROOM WALL
	FRP	MARLITE OR EQUAL	FIBER REINFORCED PLASTIC	STANDARD FRP, SMOOTH SURFACE	STANDARD FRP, SMOOTH SURFACE	S100G- WHITE INSTALL W/ PVC TRIM
GROUT	GR-1	LATICRETE PERMACOLOR		-	34 SANDSTONE SANDED	GROUT AT FT-1 3/16" GROUT JOINT
	GR-2	LATICRETE PERMACOLOR		-	44 BRIGHT WHITE NON SAND	GROUT AT WT-1 1/16" GROUT JOINT
CEILING	ACT-1	ARMSTRONG	FINE FISSURED TEGULAR TILES OR APPROVED EQUAL	-	WHITE	2' x 4' ACOUSTIC SUSPENDED CEILING GRID: STANDARD 15/16" STEEL (WHITE FINISH)
	P-2	SHERWIN WILLIAMS	PAINT	SW 7005	PURE WHITE	FINISH: SEMI-GLOSS
TRANSITION	TR-1	SCHLUTER SCHEINE	-	AE100	-	HORIZONTAL WAINSCOT AND VERTICAL CORNERS AT CERAMIC WALL TILE
	TR-2	SCHLUTER RENO	-	U AEU125	-	FT-1 CERAMIC FLOOR TILE TO LVT
	TR-3	ROPPE	-	#22	BLACK	LVT-1 TO CONCRETE
	TR-4	ROPPE	-	#196	BLACK	CPT-1 TO LVT-1
	TR-5	ROPPE	-	#196	BLACK	CPT-1 TO CONCRETE
DOORS	P-5	SHERWIN WILLIAMS	PAINT	SW 6991	BLACK MAGIC	FINISH: EGG SHELL (LOBBY, STUDIO)
	P-6	SHERWIN WILLIAMS	PAINT	SW 7005	WHITE	FINISH: SEMI-GLOSS (RESTROOM, UTILITY)

NOTES:

1. SPS STANDS FOR SPORT PRO SURFACING VENDOR.
2. ALL GROUTS JOINT TO BE 1/8", UNLESS NOTED OTHERWISE.
3. ADHESIVE FOR CPT-1 AND LVT-1 WILL BE PROVIDED BY SPS.



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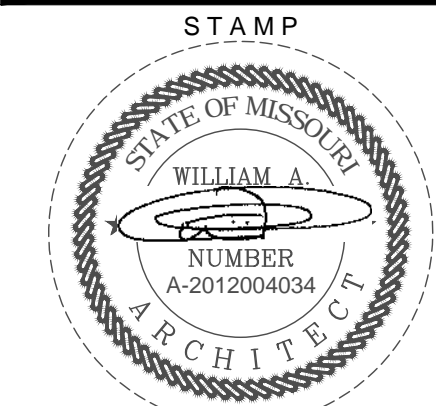


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CONSULTANT

PURE BARRE
INTERIOR TENANT IMPROVEMENT
910-U NORTHWEST BLUE PARKWAY
LEE'S SUMMIT, MO 64086
PROJECT LOCATION
SHEET TITLE
ROOM FINISH PLAN, SCHEDULE & LEGEND
AND GRAPHIC KEYS



DATE SIGNED: 2020-04-13
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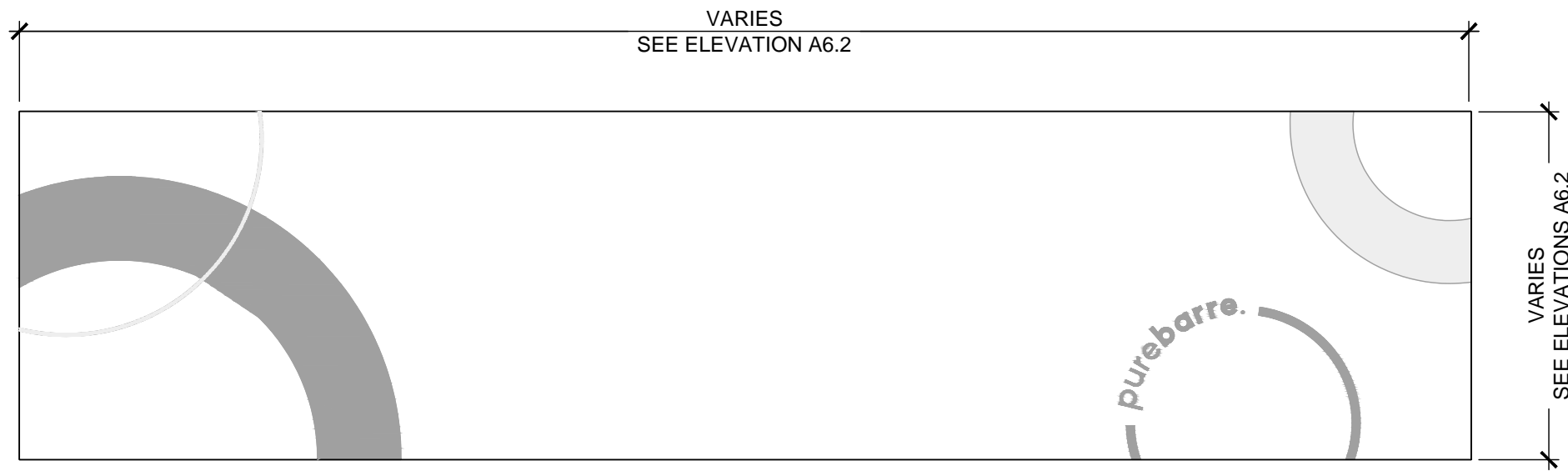
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DATE
2020.04.10
PROJECT NUMBER
A2275

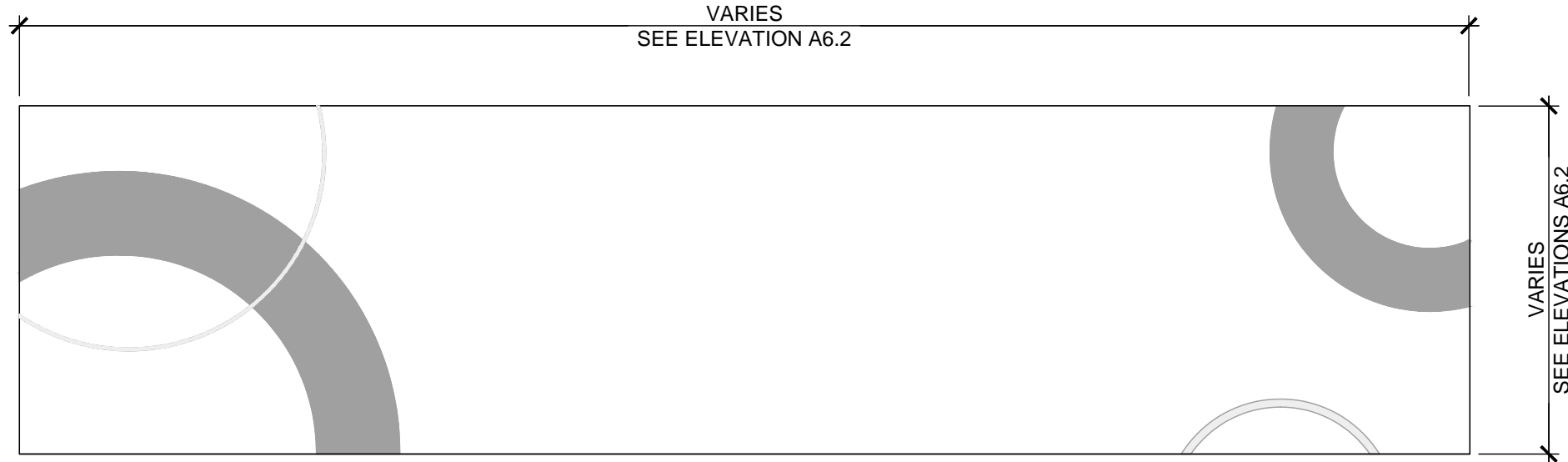
SHEET NUMBER

A8.2
RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
04/14/2020

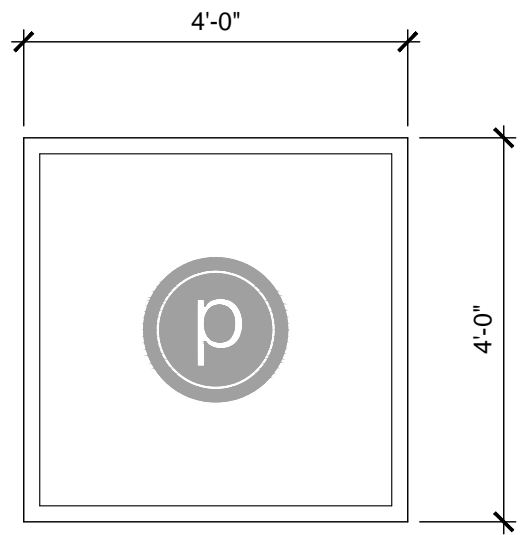
PERMIT SET : 2020_04_10



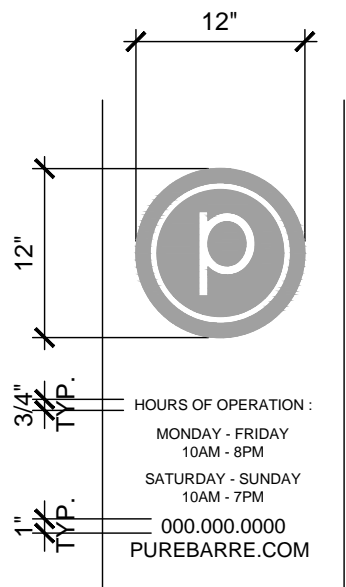
G-5
STUDIO GRAPHICS - OPTION 5



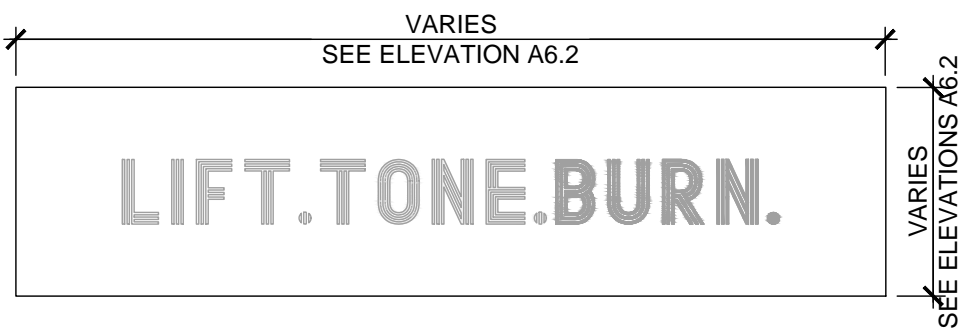
G-6
STUDIO GRAPHICS - OPTION 6



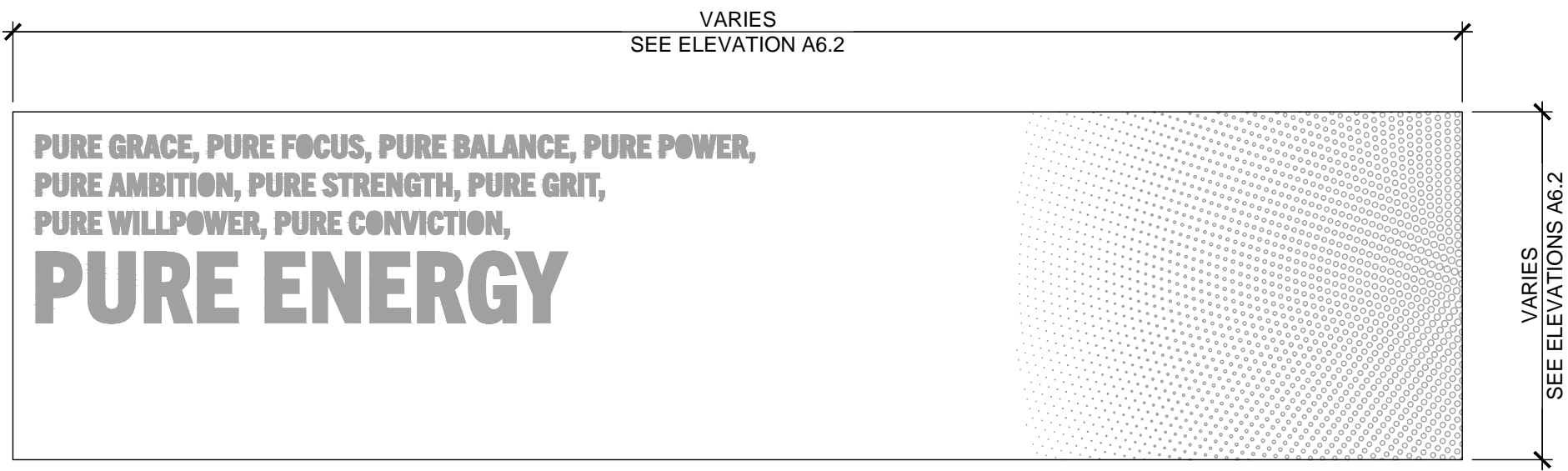
G-7
"P" LOGO BEHIND FRONT DESK



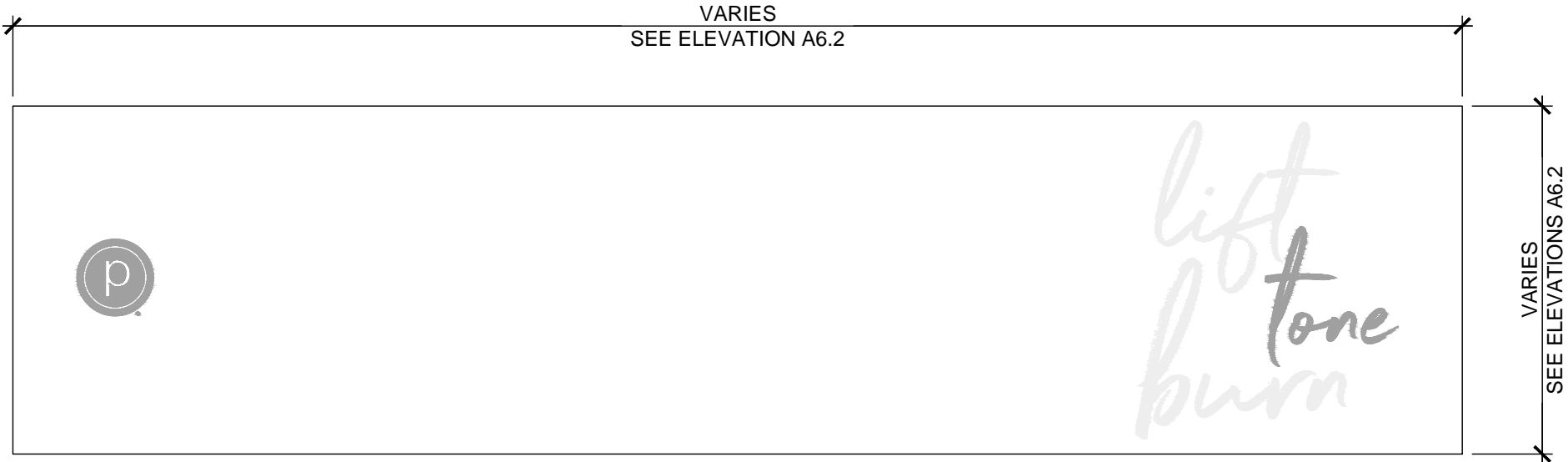
G-8
VINYL ADHESIVE ON GLAZING



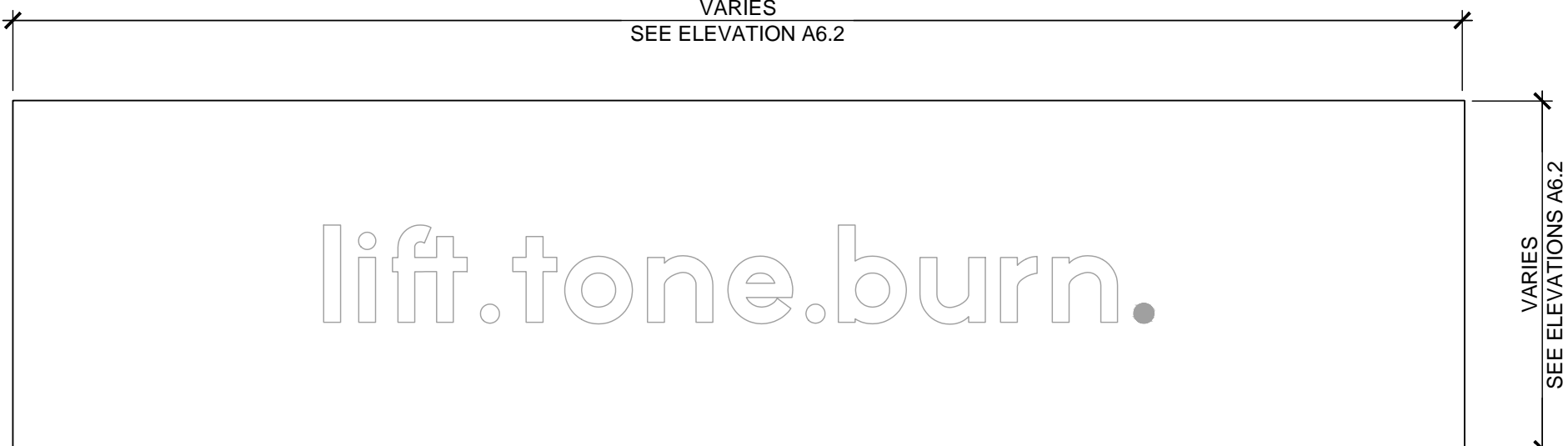
G-8A
VINYL ADHESIVE ON GLAZING



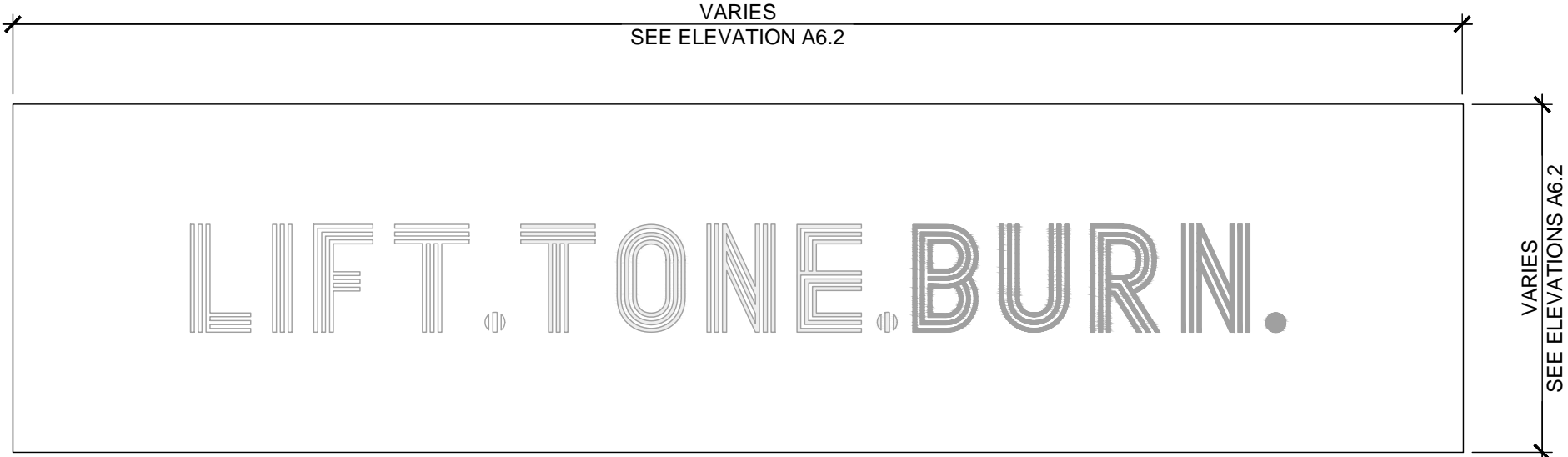
G-1
STUDIO GRAPHICS - OPTION 1



G-2
STUDIO GRAPHICS - OPTION 2



G-3
STUDIO GRAPHICS - OPTION 3



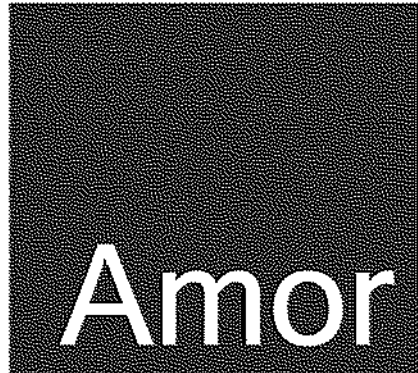
G-4
STUDIO GRAPHICS - OPTION 4

NOTE:
GENERAL CONTRACTOR TO COORDINATE
WITH OWNER'S SIGNAGE VENDOR

WALL SIGNAGE AND GRAPHICS

SCALE
1/2"=1'-0"

4



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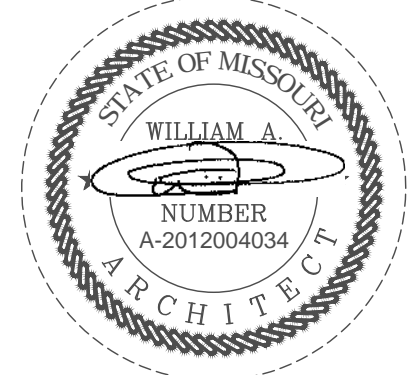
PURE BARRE
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LEE'S SUMMIT, MO 64086

WALL SIGNAGE AND GRAPHICS

PROJECT
LOCATION

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REVISIONS

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DATE
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PROJECT NUMBER
A2275

SHEET NUMBER

A8.3
RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
04/14/2020

PERMIT SET : 2020_04_10

Plotted: 4/13/2020 9:15 AM (jacobbb) File: 073_mech set - 24x36 - pure barre.dwg

Air System Information

Air System Name: Pure Barre - Lees Summit, MO
Equipment Class: PKG ROOF
Air System Type: SCZAV
Number of zones: 1
Floor Area: 1570.0 ft²
Location: Kansas City, Missouri

Sizing Calculation Information

Calculation Months: Jan to Dec
Sizing Data: Calculated
Zone CFM Sizing: Sum of space airflow rates
Space CFM Sizing: Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load: 10.3 Tons
Total coil load: 123.4 MBH
Sensible coil load: 94.3 MBH
Coil CFM at Jul 1700: 4350 CFM
Max block CFM: 4350 CFM
Sum of peak zone CFM: 4350 CFM
Sensible heat ratio: 0.765
CFM/Ton: 423.2
kW/Ton: 152.7
BTU/(h-ft²): 78.5
Water flow @ 10.0 °F rise: N/A
Load occurs at: Jul 1700
OA DB / WB: 94.1 / 74.5 °F
Entering DB / WB: 80.2 / 67.4 °F
Leaving DB / WB: 59.4 / 58.2 °F
Coil ADP: 57.1 °F
Bypass Factor: 0.100
Resulting RH: 55 %
Design supply temp: 58.3 °F
Zone T-stat Check: 9 of 1 OK
Max zone temperature deviation: 0.3 °F

Central Heating Coil Sizing Data

Max coil load: 113.0 MBH
Coil CFM at Des Htg: 4350 CFM
Max coil CFM: 4350 CFM
Water flow @ 20.0 °F drop: N/A
Load occurs at: Des Htg
BTU/(h-ft²): 72.0
Ent. DB / Lvg DB: 55.1 / 80.0 °F

Supply Fan Sizing Data

Actual max CFM: 4350 CFM
Standard CFM: 4191 CFM
Actual max CFM/HP: 2.77 CFM/HP
Fan motor BHP: 0.89 BHP
Fan motor kW: 0.71 kW
Fan static: 0.75 in wg

Outdoor Ventilation Air Data

Design airflow CFM: 870 CFM
CFM/HP: 0.55 CFM/HP
CFM/person: 29.0 CFM/person

Air System Design Load Summary for Pure Barre - Lees Summit, MO

Project Name: 0420758-073
Prepared by: Dunham Associates, Inc.

04/10/2020
02:37PM

DESIGN COOLING				DESIGN HEATING			
COOLING DATA AT Jul 1700				HEATING DATA AT DES Htg			
COOLING OA DB / WB 94.1 °F / 74.5 °F				HEATING OA DB / WB -1.0 °F / -2.5 °F			
ZONE LOADS	Details	Sensible (BTU/hr)	Latent (BTU/hr)	Details	Sensible (BTU/hr)	Latent (BTU/hr)	
Window & Skylight Solar Loads	980 ft ²	41320	-	980 ft ²	-	-	-
Wall Transmission	873 ft ²	1300	-	873 ft ²	4172	-	-
Roof Transmission	1570 ft ²	4065	-	1570 ft ²	5542	-	-
Window Transmission	980 ft ²	8216	-	980 ft ²	34790	-	-
Skylight Transmission	0 ft ²	0	-	0 ft ²	0	-	-
Door Loads	0 ft ²	0	-	0 ft ²	0	-	-
Floor Transmission	1390 ft ²	0	-	1390 ft ²	2180	-	-
Partitions	0 ft ²	0	-	0 ft ²	0	-	-
Ceiling	0 ft ²	0	-	0 ft ²	0	-	-
Overhead Lighting	1480 W	4391	-	0	0	-	-
Task Lighting	0 W	0	-	0	0	-	-
Electric Equipment	0 W	0	-	0	0	-	-
People	30	7304	14650	0	0	0	0
Infiltration	-	1791	1348	-	6650	0	0
Miscellaneous	-	7000	0	-	0	0	0
Safety Factor	0% / 0%	0	0	0%	0	0	0
>> Total Zone Loads	-	75417	15998	-	53333	0	0
Zone Conditioning	-	76177	15998	-	51916	0	0
Plenum Wall Load	0%	0	-	0	0	-	-
Plenum Roof Load	0%	0	-	0	0	-	-
Plenum Lighting Load	0%	0	-	0	0	-	-
Return Fan Load	4350 CFM	0	-	4350 CFM	0	-	-
Ventilation Load	870 CFM	15715	13034	870 CFM	63478	0	0
Supply Fan Load	4350 CFM	2419	-	4350 CFM	2419	-	-
Space Fan Coil Fans	-	0	-	-	0	-	-
Duct Heat Gain / Loss	0%	0	-	0%	0	-	-
>> Total System Loads	-	94311	29032	-	112973	0	0
Central Cooling Coil	-	94310	29042	-	0	0	0
Central Heating Coil	-	0	-	-	112973	-	-
>> Total Conditioning	-	94310	29042	-	112973	0	0
Key:	Positive values are ckg loads Negative values are hkg loads			Positive values are hkg loads Negative values are ckg loads			

MECHANICAL SYMBOLS LEGEND

	SUPPLY AIR
	RETURN AIR
	EXHAUST AIR
	STANDARD BRANCH, NO SPLITTER - SUPPLY FLOW TO RIGHT - RETURN/EXHAUST FLOW TO LEFT
	BELLMOUTH WITH BALANCING DAMPER
	FLEXIBLE DUCT
	TURNING VANES
	MANUAL VOLUME DAMPER
	BACKDRAFT DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER & ACCESS PANEL
	SUPPLY DUCT UP, POSITIVE PRESSURE
	RETURN DUCT UP, NEGATIVE PRESSURE
	EXHAUST DUCT UP, NEGATIVE PRESSURE
	SUPPLY DUCT DOWN, POSITIVE PRESSURE
	RETURN DUCT DOWN, NEGATIVE PRESSURE
	EXHAUST DUCT DOWN, NEGATIVE PRESSURE
	FLEXIBLE DUCTWORK CONNECTION TO UNIT
	SUPPLY DIFFUSER/REGISTER BLANKOFF INDICATED SHADED
	SUPPLY DIFFUSER TYPE - NECK SIZE DIFFUSER AIRFLOW (CFM)
	RETURN GRILLE/REGISTER TYPE - NECK SIZE RETURN AIRFLOW (CFM)
	EXHAUST GRILLE/REGISTER TYPE - NECK SIZE EXHAUST AIRFLOW (CFM)
	CONCENTRIC DUCT TRANSITION
	ECCENTRIC DUCT TRANSITION
	SMOKE DETECTOR
	THERMOSTAT
	CO2 SENSOR
	TEMPERATURE SENSOR
	POINT OF CONNECTION, NEW TO EXISTING
	POINT OF DISCONNECTION
	EXISTING DUCT TO REMAIN
	EXISTING DUCT TO BE REMOVED

OUTSIDE AIR CALCULATION

O.A. CALCULATION BASED ON THE 2015 INTERNATIONAL MECHANICAL CODE

PURE BARRE STUDIO/HEALTH CLUB/AEROBICS ROOM
OCC.= 25 P. SQUARE FOOTAGE: 790 SF
VENTILATION CALCULATED AT 500 (20 cfm/p) + 47 (.06 cfm/sqft) VENTILATION: 547 CFM

SALES/COMMUNITY AREA: LOBBY
OCC.= 15p/1000 sqft= 9 P. SQUARE FOOTAGE: 600 SF
VENTILATION CALCULATED AT 68 (7.5 cfm/p) + 72 (.12 cfm/sqft) VENTILATION: 140 CFM

UTILITY: STORAGE
OCC.= N/A 0 P. SQUARE FOOTAGE: 55 SF
VENTILATION CALCULATED AT 7 (.12 cfm/sqft) VENTILATION: 7 CFM

TOTAL VENTILATION REQUIRED 694 CFM
O.B. VENTILATION EFFECTIVENESS 868 CFM
TOTAL VENTILATION SUPPLIED 870 CFM

DIFFUSER, GRILLE & REGISTER SCHEDULE

EQUIP. TAG	SERVICE	MOUNTING TYPE	DESCRIPTION	ACCESSORIES	FINISH	MANUF.	MODEL NO.
A	SUPPLY	LAY-IN	24"X24"	OBD	SEE NOTE	TITUS	TMS
B	SUPPLY	LAY-IN	12"X12"	OBD	SEE NOTE	TITUS	TMS
C	SUPPLY	DUCT MTD.	14" DIA.	OBD	SEE NOTE	TITUS	TMR
D	RETURN	LAY-IN	24"X24"	---	SEE NOTE	TITUS	50F
E	RETURN	SURFACE	36"X18"	---	SEE NOTE	TITUS	350RL

NOTE: ALL GRILLES, REGISTERS & DIFFUSERS MUST BE PAINTED TO MATCH CEILING TILE COLOR.
VERIFY EXACT COLOR WITH ARCHITECT.

EXHAUST FAN

TAG	QTY	MANUFACTURER	MODEL NO.	TYPE	CFM	S.P.	WATTS	VOLTAGE	ACCESSORIES	NOTES
EF-1	1	GREENHECK	SP-SP110	CEILING	100	0.2"	80	SEE ELEC	BACKDRAFT DAMPER	1
EF-2	1	GREENHECK	SP-SP110	CEILING	100	0.2"	80	SEE ELEC	BACKDRAFT DAMPER	1
EF-3	1	GREENHECK	SP-SP110	CEILING	100	0.2"	80	SEE ELEC	BACKDRAFT DAMPER	2

NOTE:
1. TOILET EXHAUST FANS SHALL BE INTERLOCKED WITH TOILET ROOM LIGHT SWITCH.
2. UTILITY EXHAUST FAN SHALL BE INTERLOCKED WITH UTILITY ROOM LIGHT SWITCH.

EXISTING ROOFTOP UNIT SCHEDULE (HEAT PUMP)

MARK	MFG/ MODEL	DISCHARGE	TONS	ESP	CFM	OUTSIDE AIR CFM	ENTERING AIR CONDITIONS		GROSS COOLING CAPACITY (MBH)		EER	HEATING CAPACITY		AUXILIARY HEAT	ELECTRICAL	ACCESSORIES	UNIT WEIGHT (LBS)
							TOTAL	SENSIBLE	TOTAL	SENSIBLE		COP	OUTPUT		VOLT/PH/HZ		
RTU-1	LENNOX TCA150SN	EXISTING	12.5	EX.	4350	870	80.2F DB 67.4F WB @ 96F AMBIENT		EXISTING	EXISTING	EXIST.	EXIST.	EXIST.	EXISTING	SEE ELEC.	EXISTING	EXISTING

NOTE:
1. THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR OF THE EXISTING ROOF TOP UNIT AND ITS ACCESSORIES AS FOLLOWS, BUT ARE NOT LIMITED TO: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR OR REPLACE DRIVES, FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE PRIOR TO BIDDING AND VERIFY ALL EXISTING SITE CONDITIONS.
2. ALL WORK, EQUIPMENT, AND ACCESSORIES TO BRING EXISTING SYSTEM TO GOOD WORKING CONDITION SHALL BE COVERED UNDER CONTRACTOR'S ORIGINAL BID AND AT NO ADDITIONAL EXPENSE. CONTRACTOR SHALL VERIFY ALL ON SITE CONDITIONS PRIOR TO BID.

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MISSOURI STATE
CERTIFICATE OF AUTHORITY #001681
mechanical + electrical
consulting engineering
0420758-073-00

PURE BARRE
INTERIOR TENANT IMPROVEMENT
910-U NORTHWEST BLUE PARKWAY
LEE'S SUMMIT, MO 64086
MECHANICAL SCHEDULES

PROJECT LOCATION

SHEET TITLE

STAMP

STATE OF MISSOURI
GREGORY M. STEINMETZ
Professional Engineer
No. 000000000
Exp. 12/31/2024
Date: 04/13/2020

4/13/20

REVISIONS

4/13/2020 OWNER CHANGES

REVISIONS

DATE

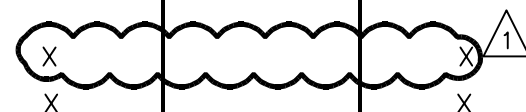
2020.04.10

PROJECT NUMBER
A2275

SHEET NUMBER

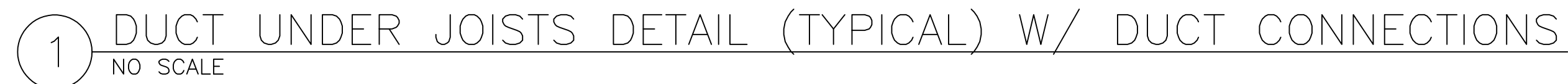
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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
04/14/2020

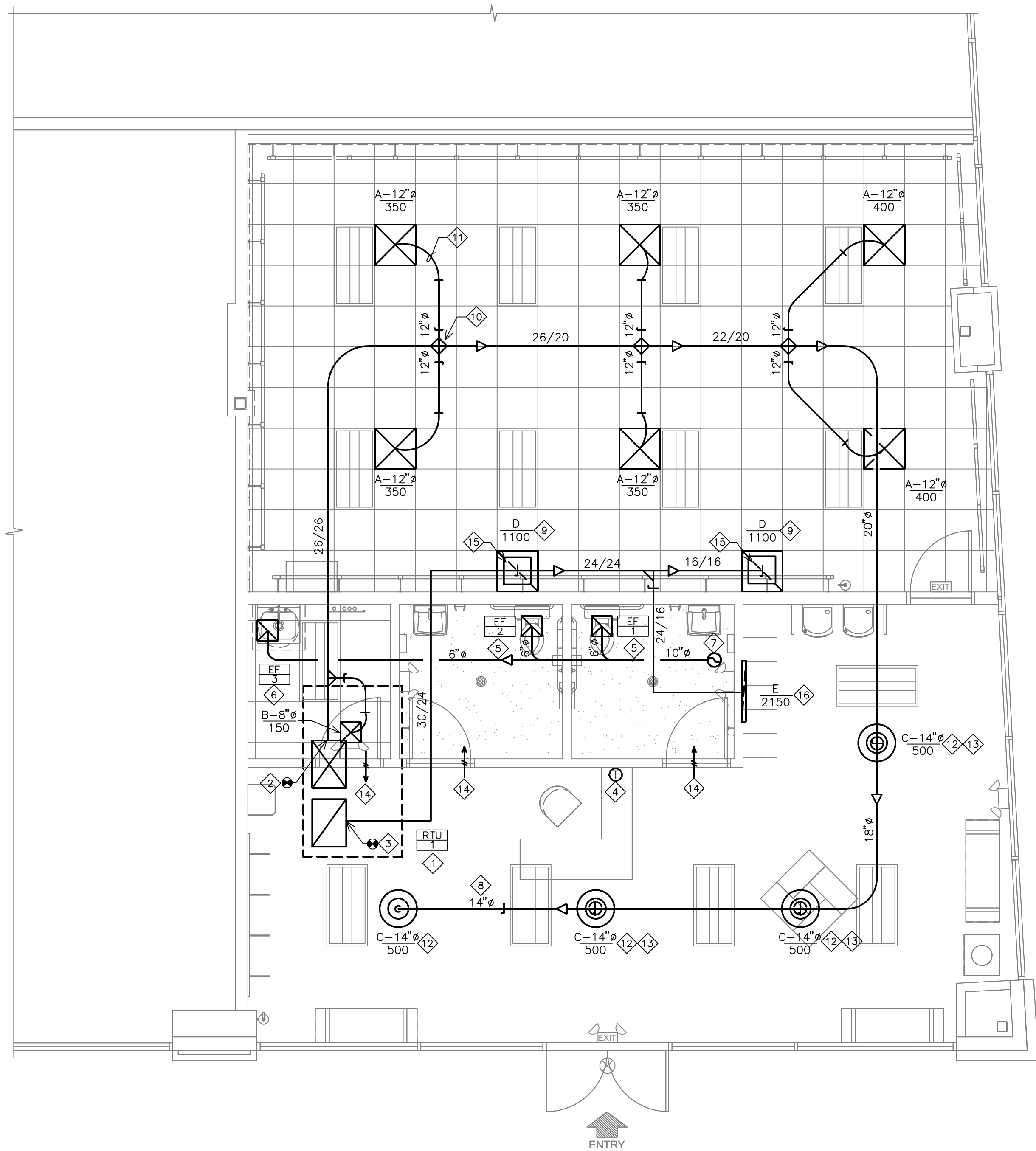
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<div>TABLE 3.1 CODE BLOCK</div> <div>MECHANICAL AND PLUMBING EQUIPMENT COMPONENTS</div> <div>EARTHQUAKE LOAD RESISTANCE</div>								
OCCUPANCY CATEGORY (II)					SEISMIC DESIGN CATEGORY (D)			
LISTING OF EQUIPMENT AND SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC. (SEE NOTE 1 BELOW)		SWAY BRACING (SEE NOTE 1 BELOW)		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			COMMENTS
	Not Provided For Project	Provided For Project	Not Provided For Project	Provided For Project	ON CONST. DOCUMENTS	SUBSEQUENT SUBMITTAL (SEE NOTE 2 BELOW)		
					Drawing No. or Spec. Section	Shop Drawings	Separate Permit & Plans	
FIRE PROTECTION, DETECTION & ALARM EQUIPMENT & SYSTEM COMPONENTS: Fire Sprinkler Piping	X		X				X	
HAZARDOUS EQUIPMENT & SYSTEM COMPONENTS: Gas Piping less than 1" (exterior)	X							N/A, no hazardous equipment in the project.
OTHER EQUIPMENT & SYSTEM COMPONENTS NEEDED FOR CONTINUED OPERATION OF OCCUPANCY CATEGORY IV FACILITIES OR WHOSE FAILURE COULD IMPAIR THEIR CONTINUED OPERATION								N/A, no Occupancy Category IV in the project
OTHER GENERAL EQUIPMENT & SYSTEM COMPONENTS <u>Roof Top:</u> RTU greater than 400 lbs. EF less than 400 Lbs. <u>Equipment Suspended From Structure:</u> Air Devices Ductwork Piping less than 3" Vent Piping Water Piping								2a. 2b.
Water Heater less than 400 Lbs.		X		X			X	1
Water Heater more than 400 Lbs.	X		X					

- It is the basic intent of this Code Block to declare whether or not anchorage and sway bracing is being provided on the project. If so, to declare whether the details are shown on the plans or will be shown on a subsequent submission. If seismic restraint of a component is not required by code this should be stated in comments. If seismic restraint, which is not required by code, is being provided due to owner/designer requirements this should also be stated in the comments.
- Shop drawings need to be submitted to the County a minimum of two weeks prior to the planned installation to allow for plan review and distribution to the inspector. Additional time may be needed if such submissions are deficient.

1. Table 4.4, item 1, a, lp = 1.0, component does not weight more than 400 pounds and flexible connections are provided.
2. Table 4.4, note 2
 - a. The following sanitary drain, waste and vent pipe:
Schedule 40 PVC, 6 inches or less in diameter, Schedule 80 PVC, 4 inches or less in diameter, service weight and no hub vast iron, 2 inches or less in diameter
 - b. The following water pipe:
Type L and M copper, 2 1/2 inches or less in diameter, Schedule 40 and 80 CPVC, 3 inches or less in diameter.
 - c. Flexible connections are not required for connections to appliances or plumbing fixtures that are mounted to walls or floors.





① MECHANICAL FLOOR PLAN
1/4" = 1'-0"

SHEET NOTES:

1. REFER TO SHEET M1.0 FOR GENERAL NOTES.
2. REFER TO SHEET M2.0 FOR MECHANICAL SPECIFICATIONS.
3. REFER TO SHEET M3.0 FOR SCHEDULES.
4. REFER TO SHEET M4.0 FOR MECHANICAL DETAILS.
5. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS IN FIELD PRIOR TO BID.

KEY NOTES:

- ① EXISTING ROOFTOP HEAT PUMP UNIT W/ AUX. ELECTRIC HEAT TO BE REUSED - SEE SCHEDULE FOR AIR BALANCE AND REFURBISHING REQUIREMENTS. VERIFY EXISTING R.A. SMOKE DETECTOR, PROVIDE NEW IF REQUIRED. VERIFY EXACT LOCATION ON SITE.
- ② EXTEND NEW FULL SIZE SUPPLY AIR DUCT FROM EXISTING SUPPLY AIR DUCT DROP AND TRANSITION INTO DUCTWORK SHOWN ON PLAN. VERIFY SIZE/LOCATION OF SUPPLY DUCT DROP IN FIELD.
- ③ EXTEND NEW FULL SIZE RETURN AIR DUCT FROM EXISTING RETURN AIR DUCT DROP AND TRANSITION INTO DUCTWORK SHOWN ON PLAN. VERIFY SIZE/LOCATION OF RETURN DUCT DROP IN FIELD.
- ④ PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT CONTROL MOUNTED 4'-0" A.F.F. COVERED WITH CLEAR LOCKABLE BOX. THERMOSTAT SHALL HAVE AUTOMATIC NIGHT SET-BACK WITH 5°F DEADBAND, 2-HOUR OCCUPANT OVERRIDE, AND MIN. 10-HOUR BATTERY BACKUP.
- ⑤ PROVIDE CEILING MOUNTED TOILET EXHAUST FANS (EF-1&2) AND CONNECT WITH 6" RIGID DUCT W/ BACKDRAFT DAMPER. SUPPORT FROM STRUCTURE ABOVE.
- ⑥ PROVIDE CEILING MOUNTED UTILITY EXHAUST FAN (EF-3) AND CONNECT WITH 6" RIGID DUCT W/ BACKDRAFT DAMPER. SUPPORT FROM STRUCTURE ABOVE.
- ⑦ ROUTE 10" DIA E.A. DUCT UP THRU ROOF AND TERMINATE IN A GOOSENECK W/ BIRD SCREEN 24" ABOVE ROOF. LOCATE A MINIMUM OF 10'-0" FROM O.A. INTAKES. VERIFY ROUTING AND LOCATION ON SITE.
- ⑧ ALL EXPOSED DUCTWORK IN SALES AREA MUST BE ROUND SPIRAL. SQUARE DUCT IS NOT APPROVED. ROUND SPIRAL SHALL BE SINGLE WALL, GALVANIZED STEEL, SPIRAL LOCK SEAM CONSTRUCTION. ALL DUCTWORK AND FITTINGS SHALL BE MANUFACTURED IN ACCORDANCE WITH SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS LATEST EDITION. ALL EXPOSED ROUND DUCTWORK AND FITTINGS IN THE SALES AREA SHALL BE CLEANED OF ALL OILS AND COATINGS PRIOR TO INSTALLATION AND PROVIDED WITH A MILL PHOSPHATIZED FINISH ("PAINT GRIP", "ZINC GRIP", OR SIMILAR ETCH TREATMENT) TO ALLOW THE DUCTWORK TO BE PAINTED.
- ⑨ RETURN AIR GRILLE CONNECTION SHALL BE GALV. SHEET DUCT. FLEX DUCT IS NOT ACCEPTABLE (TYPICAL).
- ⑩ INSTALL NEW SPIN-IN TAKE OFF IN SUPPLY AIR DUCTWORK. PROVIDE MANUAL VOLUME DAMPER. (TYPICAL FOR ALL)
- ⑪ FLEX DUCT 5'-0" MAX LENGTH. TYPICAL FOR ALL.
- ⑫ SUPPLY AIR DIFFUSER TO BE INSTALLED SO FACE OF DIFFUSER MATCHES HEIGHT A.F.F. OF SALES AREA LIGHTING. COORDINATE WITH ARCHITECTURAL PLANS FOR LIGHTING INSTALLATION HEIGHT. (TYPICAL)
- ⑬ 14" Ø ROUND BOTTOM SUPPLY AIR DUCT RUNOUT WITH VOLUME DAMPER TO DIFFUSER.
- ⑭ UNDERCUT DOOR BY ONE INCH TO ALLOW FOR TRANSFER AIR. VERIFY ALL REQUIREMENTS IN FIELD.
- ⑮ 16/16 RETURN AIR DUCT WITH MANUAL VOLUME DAMPER DOWN TO CEILING MOUNTED 24/24 RETURN AIR GRILLE. TRANSITION AS REQUIRED.
- ⑯ MOUNT RETURN AIR GRILLE ON WALL AS HIGH AS POSSIBLE. VERIFY EXACT LOCATION IN FIELD. TRANSITION AS REQUIRED.

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0420758-073-00

PURE BARRE
INTERIOR TENANT IMPROVEMENT
910-U NORTHWEST BLUE PARKWAY
LEE'S SUMMIT, MO 64086

MECHANICAL PLAN

PROJECT
LOCATION

SHEET TITLE

STAMP



4/13/2020

REVISIONS

- | | | |
|---|-----------|---------------|
| △ | 4/13/2020 | OWNER CHANGES |
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DATE
2020.04.10

PROJECT NUMBER
A2275

SHEET NUMBER

M5.0

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
04/14/2020

PERMIT SET : 2020_04_10

File: 072_plumbing.spl - 24/04/2020 - pure barre (dwg)

DIVISION 15300 – FIRE PROTECTION (IF APPLICABLE)

- SECTION 15301 – SUMMARY OF WORK
- A. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, ETC. NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL THE WORK FOR THE SPRINKLER SYSTEMS AS CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
1. INSTALLATION OF NEW WET SPRINKLER SYSTEM AS REQUIRED TO PROVIDE COVERAGE IN ACCORDANCE , NFPA-13, LOCAL CODES, AND LANDLORD'S CRITERIA.
 2. TAPS, RISERS, LATERALS, BRANCHES, VALVES, ALARMS, SPRINKLER HEADS AND ALL COMPONENTS REQUIRED FOR A COMPLETE SYSTEM.
 3. DESIGN DRAWINGS, HYDRAULIC CALCULATIONS, SUBMITTALS AND APPROVALS.
 4. PERMITS, FEES, INSPECTIONS AND CHARGES.
 5. TESTS AND TEST CERTIFICATES. IT IS INTENDED THAT THE CONTRACTOR SHALL PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.
- B. THIS FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR SUBMITTING COORDINATED DRAWINGS, HYDRAULIC CALCULATIONS, HEAD TYPES AND COLORS TO ALL AUTHORITIES HAVING JURISDICTION FOR APPROVAL. NO WORK SHALL BEGIN UNTIL ALL APPROVALS HAVE BEEN RECEIVED.

- SECTION 15302 – MATERIALS
- A. SPRINKLER HEADS:
1. ALL SPRINKLER HEADS SHALL BE NEW U.L., F.M. LISTED AND APPROVED AUTOMATIC SPRAY TYPE AS MANUFACTURED BY GRINNELL, RELIABLE, STAR, OR VIKING.
 2. ALL SPRINKLER HEADS SHALL HAVE ORDINARY TEMPERATURE RATING UNLESS INDICATED OTHERWISE ON DRAWINGS OR REQUIRED BY LOCAL CODES.
 3. VERIFY HEAD TYPES AND COLORS WITH TENANT AND SUBMIT WITH SPRINKLER DRAWINGS FOR PERMIT.
 4. LOCATIONS OF ALL HEADS SHOULD BE APPROVED BY TENANT AND THE LOCAL FIRE PROTECTION OFFICIAL BEFORE INSTALLATION.
- B. PIPING:
1. SCHEDULE 40, BLACK STEEL PIPE, ASTM A-53, FOR FERROUS PIPING, WELDED AND SEAMLESS, ANSI B-36-10-70 FOR WROUGHT STEEL PIPE.
 2. CAST IRON OR MALLEABLE IRON SCREWED FITTINGS FOR PIPES 2 INCHES AND SMALLER. SCREWED OR CAST IRON FLANGED JOINTS FOR PIPES LARGER THAN 2 INCHES.
 3. GALVANIZED OR BLACK MALLEABLE IRON WITH BRASS SEAT SCREWED UNIONS FOR PIPES 2 INCHES AND SMALLER.
 4. VICTAULIC TYPE COUPLINGS ARE ACCEPTABLE, WHERE APPROVED BY CODE AND THE LANDLORD.
 5. HANGERS SHALL COMPLY WITH LANDLORD AND CODE REQUIREMENTS.
- C. SPRINKLER SPACING SHALL NOT EXCEED 130 SQ. FT. IN "SALES" AREAS AND 100 SQ. FT. IN "STOCK" AREAS. COMPLY WITH LANDLORD'S DESIGN CRITERIA. PIPE SIZING SHALL BE BASED ON NFPA ORDINARY HAZARD.
- D. ALL SPRINKLER LINES SHALL BE INSTALLED CONCEALED, AVOIDING INTERFERENCE WITH OTHER TRADES.
- E. WHERE POSSIBLE, REWORK THE EXISTING SPRINKLER SYSTEM TO MEET THE NEW REQUIREMENTS OF THIS DESIGN AND INCLUDE ALL COSTS TO RAISE OR RELOCATE EXISTING PIPING TO OBTAIN CEILING HEIGHTS SHOWN ON DRAWINGS. IN NEW CONSTRUCTION THE LANDLORD MAY PROVIDE ONLY A STUB-IN TO THE SPACE. THE CONTRACTOR SHALL CONNECT AND EXTEND NEW PIPING AS REQUIRED, VERIFY ALL REQUIREMENTS PRIOR TO BID.
- F. PROVIDE AND INSTALL A VALVED TEST CONNECTION IN AN ACCESSIBLE LOCATION FOR THE SPRINKLER SYSTEM AS REQUIRED OR REQUESTED BY THE MALL, LOCAL INSPECTOR, OR TENANT'S INSURANCE CARRIER.
- G. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE CAUSED BY LEAKS IN ANY OF THE EQUIPMENT INSTALLED BY THEM. ALL REPAIRS OR REPLACEMENT OF DAMAGES SHALL BE AT THIS CONTRACTOR'S EXPENSE.
- H. PROPERLY COMPLETED AND SIGNED "SPRINKLER CONTRACTOR'S MATERIAL AND TEST CERTIFICATES" SHALL BE FURNISHED TO THE LANDLORD, AND AUTHORITIES HAVING JURISDICTION.

DIVISION 15400 – PLUMBING

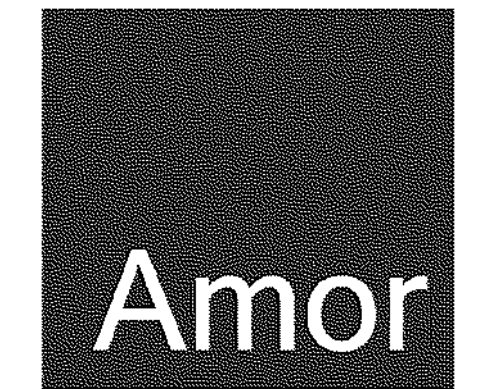
- SECTION 15401 – SUMMARY OF WORK
- A. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, ETC. NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL THE WORK FOR THE PLUMBING SYSTEMS AS CALLED FOR IN THE SPECIFICATIONS, SHOWN ON DRAWINGS AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
1. CONTRACTOR SHALL DETERMINE THE LOCATION OF EXISTING WATER SUPPLY AND DRAIN LINES AND MAKE PROPER CONNECTIONS, THERETO, INCLUDING VENTS.
 2. ALL MATERIALS SHALL BE NEW AND SHALL FIT THE SPACE AVAILABLE. VERIFY ALL DIMENSIONS AT THE SITE.
 3. ALL VALVES, CLEANOUTS, ETC. SHALL BE SO LOCATED AND INSTALLED TO PERMIT ACCESS FOR SERVICE WITHOUT DAMAGE TO BUILDING OR FINISHED MATERIALS.

- SECTION 15402 MATERIALS
- A. REFER TO PLANS FOR SCHEDULES OF EQUIPMENT AND FIXTURES. AMERICAN STANDARD, KOHLER AND GRANE ARE CONSIDERED ACCEPTABLE AS EQUALS. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.
- B. SANITARY PIPING
1. CAST IRON PIPE (BELOW GRADE): ASTM A74 SERVICE WEIGHT, FITTINGS: CAST IRON, JOINTS: HUB-AND-SPIGOT, COMPRESSION TYPE WITH NEOPRENE GASKETS OR LEAD AND OAKUM.
 2. CAST IRON PIPE (ABOVE GRADE): CISPI 301, HUBLESS FITTINGS: CAST IRON, JOINTS: NEOPRENE GASKET AND STAINLESS STEEL CLAMP AND SHIELD ASSEMBLIES.
 3. ABS PIPE (BELOW GRADE): ASTM D2661, FITTINGS: ABS, JOINTS: SOLVENT WELD.
 4. PVC PIPE (BELOW GRADE): ASTM D2665, FITTINGS: PVC, JOINTS: SOLVENT WELD WITH SOLVENT CEMENT.
 5. COPPER TUBE (ABOVE GRADE): ASTM B88 TYPE "L", HARD TEMPER ONLY. EXCEPT THESE MATERIALS SHALL NOT BE USED TO RECEIVE THE WASTES FROM URINALS NOR WASTES FROM WATER CLOSETS IN BATTERY. FITTINGS: CAST BRONZE, OR WROUGHT COPPER, JOINTS: SOLDER, GRADE 50B.
 6. VENT PIPING ABOVE FLOOR 2" OR SMALLER MAY BE GALVANIZED STEEL.
 7. INSULATE ALL HORIZONTAL RUNS OF PIPING LOCATED IN CEILING SPACES OF TENANTS IN SPACES BELOW, WHEN APPLICABLE. INSULATION TO BE AS SPECIFIED FOR WATER PIPING.
 8. INTERIOR CONDENSATE PIPING SHALL BE TYPE "L" HARD DRAWN COPPER TUBE WITH 95-5 TIN-ANTIMONY SOLDERED JOINTS AND WROUGHT COPPER FITTINGS WITH DIELECTRIC SEPARATION BETWEEN DISSIMILAR METALS. EXTERIOR CONDENSATE PIPING MAY BE SCHEDULE 40 PVC PIPING WITH SOLVENT WELDED FITTINGS IF APPROVED FOR USE BY THE LANDLORD.
- C. POTABLE WATER PIPING
1. COPPER TUBING (BELOW GRADE): ASTM B88, TYPE "K" SOFT COPPER, FITTINGS: CAST COPPER ALLOY OR WROUGHT COPPER AND BRONZE, JOINTS: BCUP SILVER BRAZE.
 2. COPPER TUBING (ABOVE GRADE): ASTM B88, TYPE "L" HARD DRAWN WITH SWEAT JOINTS, FITTINGS: CAST COPPER ALLOY OR WROUGHT COPPER AND BRONZE, JOINTS: BCUP SILVER BRAZE.
- D. PIPING OF DISSIMILAR METALS MUST BE DI-ELECTRICALLY SEPARATED.
- E. INSULATE ALL HOT WATER, COLD WATER AND INTERIOR CONDENSATE PIPING WITH 1" THICK (R=0.23 @ 75 F) PIPE INSULATION WITH AN ALL SERVICE JACKET TO MEET LOCAL CODES AND UL FLAME SPREAD AND SMOKE DEVELOPED RATINGS. OWENS-CORNING OR EQUAL.
- F. INSULATE THE TRAP, SANITARY AND SUPPLY PIPES UNDER LAVATORY WITH 1/2" ARMSTRONG "ARMAFLEX" PIPING INSULATION OR TRUEBRO MODEL 102W WHITE "HANDI LAV GUARD" INSULATION KIT TO COMPLY WITH ADA REQUIREMENTS.
- G. INSTALL AIR CHAMBER SHOCK ABSORBERS IN BOTH HOT AND COLD LINES OF PIPING SYSTEM TO PREVENT NOISE AND DAMAGE DUE TO WATER HAMMER. SIOUX CHIEF 650 SERIES ALL STAINLESS STEEL OR EQUAL. J.R. SMITH "HYDROTROLS", INSTALLED IN AN UPRIGHT POSITION.

- H. ALL BRANCH PIPING SYSTEM SHALL HAVE ACCESSIBLE SERVICE VALVE. PROVIDE SHUT OFF VALVES IN THE SUPPLY PIPING TO EVERY FIXTURE. PROVIDE ACCESS DOORS WHERE NECESSARY.
- I. INSTALL ALL NECESSARY PIPE HANGERS, SADDLES, AND CARRIERS TO PROPERLY SUPPORT ALL PIPING AND FIXTURES. HANGERS SHALL SUIT TYPE OF PIPING INSTALLED AND BE SPACED AT A MAXIMUM SPAN OF 5 FEET. PROVIDE SWAY AND SEISMIC BRACING WHERE REQUIRED BY CODES.
- J. STERILIZE WATER SYSTEM IN ACCORDANCE WITH LOCAL CODES.
- K. CLEAN-OUTS AND FLOOR DRAINS SHALL BE INSTALLED PER LOCAL CODES. ALL FLOOR DRAINS SHALL HAVE DEEP SEAL TRAPS. PROVIDE TRAP PRIMERS FOR FLOOR DRAINS.
- L. ESCUTCHEONS SHALL BE CHROME PLATED, SIZE AS REQUIRED AND PLACED AT ALL PIPE PENETRATIONS AT WALLS, FLOORS, AND CEILINGS IN FINISHED AREAS.
- M. LEAKAGE TESTS SHALL BE PER LOCAL CODES.
- N. FLASHING SHALL BE SEALED WATERTIGHT AND PERFORMED IN ACCORDANCE TO THE LANDLORD'S CRITERIA. USE A LANDLORD APPROVED ROOFING CONTRACTOR WHERE APPLICABLE AND INCLUDE ALL COSTS IN BID.
- O. PROVIDE WATER METER AND REMOTE READER PER LANDLORD'S CRITERIA OR LOCAL UTILITIES REQUIREMENTS IF APPLICABLE.

GENERAL NOTES

1. FURNISH, AND INSTALL COMPLETE AND PROPERLY OPERATING PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS AND BASIS OF DESIGN INCLUDING PROVIDING SUBMITTALS, SHOP DRAWINGS, COORDINATION BETWEEN TRADES AND DISCIPLINES, "AS-BUILTS", TESTING AND TEST REPORTS.
2. WORK SHALL COMPLY WITH ALL LOCAL CODES AND LANDLORD REQUIREMENTS.
3. PROJECT MANUALS, PLUMBING EQUIPMENT, FIXTURES AND BUILDING STANDARDS SHALL BE PART OF THIS WORK.
4. SERVICE WATER HEATING EQUIPMENT SHALL BE IN COMPLIANCE WITH THE MODEL ENERGY CODE REQUIREMENTS AND LABELED.
5. BEFORE STARTING ANY WORK, CONTRACTOR SHALL EXAMINE THE COMPLETE SET OF DRAWINGS FOR TRADES, INCLUDING ARCHITECTURAL, HEATING-VENTILATION-AIR CONDITIONING, AND ELECTRICAL. VERIFY DIMENSIONS, SPACE REQUIREMENTS, AND POINTS OF CONNECTION TO FIXTURES AND EQUIPMENT. MAKE ANY MINOR ADJUSTMENTS NECESSARY TO AVOID CONFLICTS WITH THE BUILDING STRUCTURE AND THE WORK OF OTHER TRADES.
6. PLUMBING DRAWINGS AND LAYOUTS ARE DIAGRAMMATIC TO SHOW DESIGN INTENT AND FINISHED CONDITIONS. CONTRACTOR SHALL COORDINATE PIPING DESIGN CONDITION WITH OTHER TRADE. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM THOSE SHOWN ON THE DRAWINGS AND AFFECT PLUMBING WORK, INFORM THE CONTRACTING OFFICER IMMEDIATELY BEFORE PROCEEDING WITH THE WORK.
7. THESE DRAWINGS INDICATE THE FINISHED REQUIREMENTS FOR THE PLUMBING SYSTEMS. DUE TO STRUCTURAL, MECHANICAL DUCT OR PIPING INTERFERENCE, OR FOR OTHER REASONS, THE CONTRACTOR MAY DESIRE TO INSTALL THE WORK IN A MANNER DIFFERENT FROM THAT SHOWN. SUCH CHANGES SHALL BE PRESENTED TO THE CONTRACTING OFFICER FOR APPROVAL BEFORE PROCEEDING, AND THE RECORD DRAWINGS SHALL BE ACCURATELY REVISED TO SHOW THE CHANGES AS COMPLETED.
8. CONTRACTOR SHALL COORDINATE WITH TRADES TO ENSURE AN UNDERSTANDING OF THE COMPLETE SCOPE OF PROJECT.
9. UNLESS INSTRUCTED OTHERWISE, THE CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS, LICENSES, AND FEES REQUIRED FOR INSTALLATION OF THE WORK. FURNISH FINAL CERTIFICATE OF INSPECTION TO THE OWNER OR WRITTEN EVIDENCE OF ACCEPTANCE BY INSPECTION AUTHORITIES FOR WORK INSTALLED.
10. IF ANY EQUIPMENT SUBMITTED BY THE CONTRACTOR IS DIFFERENT FROM THAT SPECIFIED, OR REQUIRES CHANGES IN MATERIAL OR LABOR FROM THAT REQUIRED IN THE CONTRACT DOCUMENTS AFFECTING THIS AND/OR OTHER TRADES, SUCH CHANGES SHALL BE SUBMITTED AS SHOP DRAWINGS. SUBMITTALS SHALL INDICATE CREDIT DUE TO CONTRACTING OFFICER. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PAYMENT OF CHARGES RESULTING FROM ADDITIONS OR CHANGES IN THE WORK OF OTHER TRADES NECESSARY TO ACCOMMODATE THE REQUESTED MODIFICATION. CHANGES SHALL BE SHOWN ON RECORD AND AS-BUILT DRAWINGS.
11. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF NEW CONSTRUCTION, FOR EXACT PLUMBING FIXTURE LOCATIONS AND QUANTITIES, EQUIPMENT, DEVICES, ETC.
12. CONCEALED VALVES, COCKS, WATER HAMMER ARRESTORS, PLUMBING EQUIPMENT, CONTROLS AND OTHER DEVICES REQUIRING PERIODIC ADJUSTMENT, INSPECTION, OR MAINTENANCE SHALL BE LOCATED TO BE READILY ACCESSIBLE. WHERE VALVES ARE INSTALLED WITHIN OR BEHIND WALLS, PARTITIONS OR CEILING, AN ACCESS PANEL SHALL BE INSTALLED. SUBMIT SHOP DRAWINGS TO ARCHITECT LOCATING ACCESS PANELS PRIOR TO INSTALLATION OF PIPING. CONTRACTOR IS ADVISED THAT ITEMS REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE THE AREAS OF GYPSUM BOARD CEILINGS WITHOUT PERMISSION OF THE ARCHITECT.
13. HANDICAPPED PLUMBING FIXTURES SHALL BE MOUNTED AT REQUIRED HEIGHTS AND WITH RELATED ACCESSORIES AS REQUIRED BY THE AMERICANS WITH DISABILITIES ACT (ADA). FIXTURE TRAPS, HOT AND COLD WATER SUPPLIES AND STOPS SHALL BE INSULATED WITH A PREFORMED INSULATION CAP.
14. BACKFLOW DEVICES SHALL BE TESTED BY A CERTIFIED BACKFLOW TESTER WITH THE RESULTS DOCUMENTED.
15. EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS' RECOMMENDATIONS AND APPLICABLE CODES. PROVIDE FITTINGS, TRANSITIONS, VALVES AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
16. DOMESTIC HOT WATER PIPING SHALL BE INSULATED AS REQUIRED PER LOCAL CODES AND LANDLORD REQUIREMENTS.
17. CONDENSATE DRAIN PIPING SHALL BE INSULATED SIMILAR TO HOT WATER PIPING INSULATION MATERIALS AND THICKNESS.
18. PROVIDE PIPING ISOLATION FROM STUD WALL USING 1/4" FELT OR NEOPRENE ISOLATION, OR APPROVED ISOLATOR.
19. KEEP PIPING CLEAR FROM LOAD BEARING FOOTINGS.
20. POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE ACCORDING TO THE METHOD SET IN SECTION 610.1 OF 2015 PLUMBING CODE.
21. FLAT VENTING SHALL NOT BE ALLOWED FOR PLUMBING FIXTURES THAT ARE WITHIN TRAP ARM DISTANCE OF WALLS.
22. EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN SIX (6) INCHES IN HEIGHT ABOVE THE FLOOD LEVEL RIM ON THE FIXTURE IT SERVES BEFORE CONNECTING TO ANY OTHER VENT.
23. VENTS THRU ROOF SHALL BE MINIMUM OF THREE FEET VERTICALLY AND TEN FEET HORIZONTALLY FROM AIR CONDITIONING EQUIPMENT FRESH AIR INTAKES, WINDOWS, DOORS OR OTHER OPENINGS.
24. COORDINATE WITH ELECTRICAL SECTION PRIOR TO ORDERING EQUIPMENT FOR AVAILABLE VOLTAGES AT EQUIPMENT LOCATIONS.
25. COORDINATE CUTTING, DRILLING, PATCHING, AND REINFORCING REQUIRED FOR PLUMBING WORK WITH THE GENERAL CONTRACTOR AND REQUIREMENTS OF STRUCTURAL ENGINEER.
26. CUTTING OF EXISTING PAVING, WALKS AND/OR FLOORS SHALL BE BY MACHINE SAW CUTTING. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL BE DONE USING CORE DRILLING EQUIPMENT.
27. PROVIDE PIPE SLEEVES TO PIPING PASSING THROUGH A MASONRY, CONCRETE, STRUCTURAL WALL OR AS SHOWN ON PLANS. PROVIDE FIRE RATED CAULKING OF SAME RATING AS THE WALL.
28. PROVIDE AND INSTALL WATER HAMMER ARRESTERS OF REQUIRED SIZE AT QUICK CLOSING VALVES.
29. CLEANOUTS SHALL BE ACCESSIBLE AND INSTALLED PER LOCAL CODE REQUIREMENTS.
30. SLOPE OF BUILDING DRAINS AND SEWERS SHALL NOT BE LESS THAN 1% FOR 4" AND LARGER DIAMETER PIPES AND NOT LESS THAN 2% FOR SMALLER THAN 4" DIAMETER PIPES.
31. SLOPE OF CONDENSATE DRAINS, SHALL NOT BE LESS THAN 1%.
32. HANGING, SUPPORT AND SEISMIC BRACING OF PLUMBING PIPING SHALL COMPLY TO GUIDELINES FOR SEISMIC RESTRAINTS OF PLUMBING SYSTEMS PER SMACNA LATEST EDITION.
33. SEE STRUCTURAL DRAWINGS FOR DETAILS ON ADDITIONAL STRUCTURAL ATTACHMENTS FOR PIPE SUPPORTS AS REQUIRED.
34. FLOOR DRAINS AND FLOOR SINKS AS SHOWN ON PLANS SHALL BE PROVIDED WITH CODE-APPROVED ACCESSIBLE TRAP PRIMERS. CONCEALED TRAP PRIMER VALVES SHALL BE PROVIDED WITH ACCESS PANELS.
35. NO PIPING, LEAK PROTECTION APPARATUS, OR OTHER FOREIGN EQUIPMENT ARE ALLOWED INSIDE THE ELECTRICAL ROOM AND OVER THE ELECTRICAL EQUIPMENT PER NEC SECTION 110.26.F.1. ONLY SPRINKLER HEADS AND PIPING SERVING THE ELECTRICAL ROOM IN ACCORDANCE WITH NFPA 13 ARE ACCEPTED INSIDE.
36. NO PIPING, LEAK PROTECTION APPARATUS, OR OTHER FOREIGN EQUIPMENT ARE ALLOWED INSIDE THE ELEVATOR MACHINE ROOM AND ELEVATOR SHAFT PER ASME A17.1A RULE 102. ONLY SPRINKLER HEADS AND PIPING SERVING THESE ROOMS IN ACCORDANCE WITH NFPA 13 ARE ACCEPTED INSIDE.
37. INDOOR CONCEALED GAS PIPING, CONNECTIONS AND FITTINGS SHALL COMPLY WITH NFPA 54: 7.3.1 – 54: 7.3.5. AND SHALL NOT BE LOCATED IN SOLID WALL PARTITIONS PER NFPA 54:7.3.3.
38. PLUGGED/CAPPED WASTE AND VENT OUTLETS FOR FUTURE CONNECTIONS SHALL BE INSTALLED AS LOW AS POSSIBLE IN CEILING SPACES.
39. OUTLETS FOR FUTURE CONNECTIONS SHALL BE INSTALLED SO AS TO PERMIT EASY CONNECTION. COORDINATE WITH DUCTWORK, STRUCTURAL CONDITIONS AND ARCHITECTURAL LAYOUT.



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PLUMBING SPECIFICATIONS/NOTES

PROJECT LOCATION

SHEET TITLE

STAMP



REVISIONS

- | NO. | DATE | REVISION |
|-----------|---------------|----------|
| 4/13/2020 | OWNER CHANGES | |
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DATE
2020.04.10
PROJECT NUMBER
A2275

SHEET NUMBER

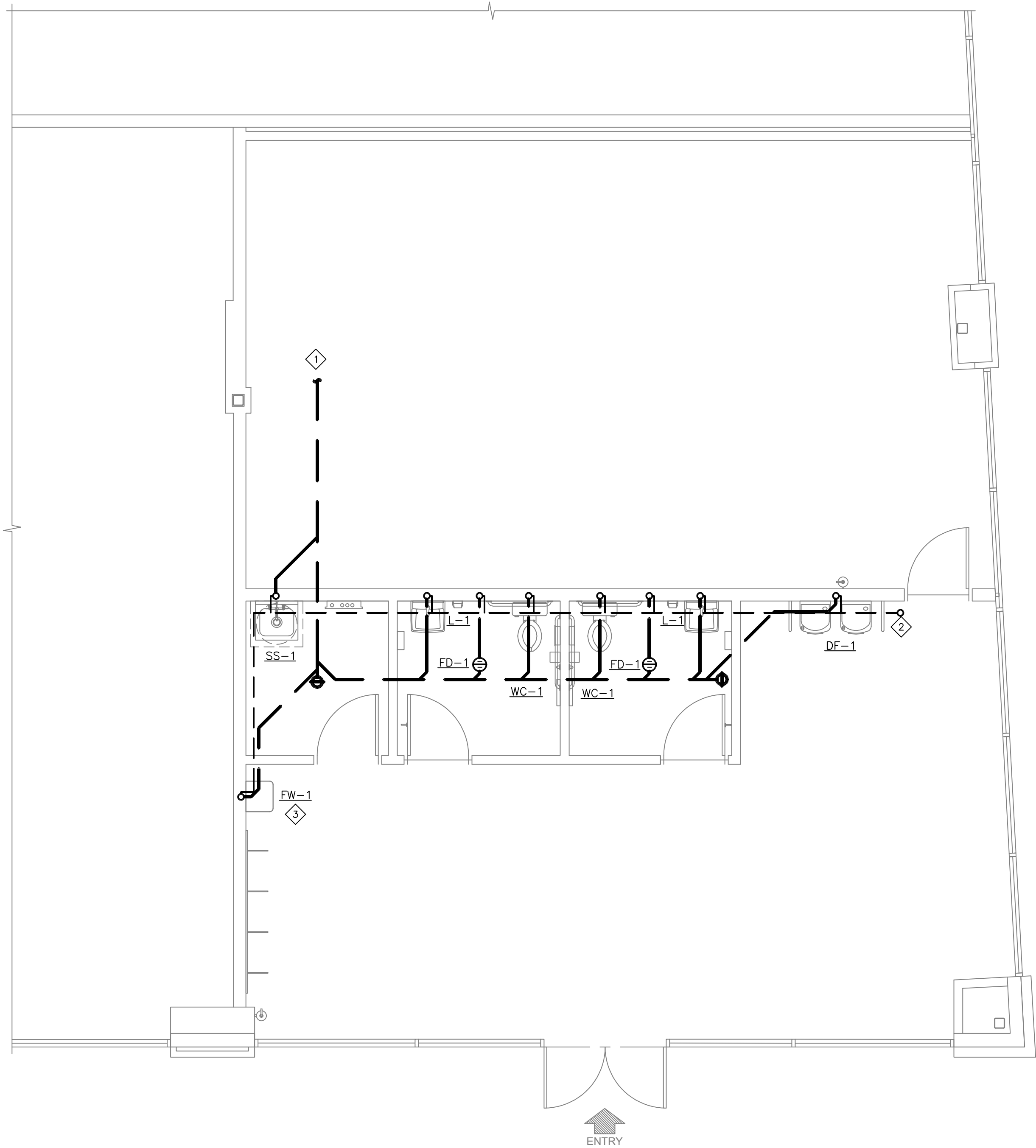


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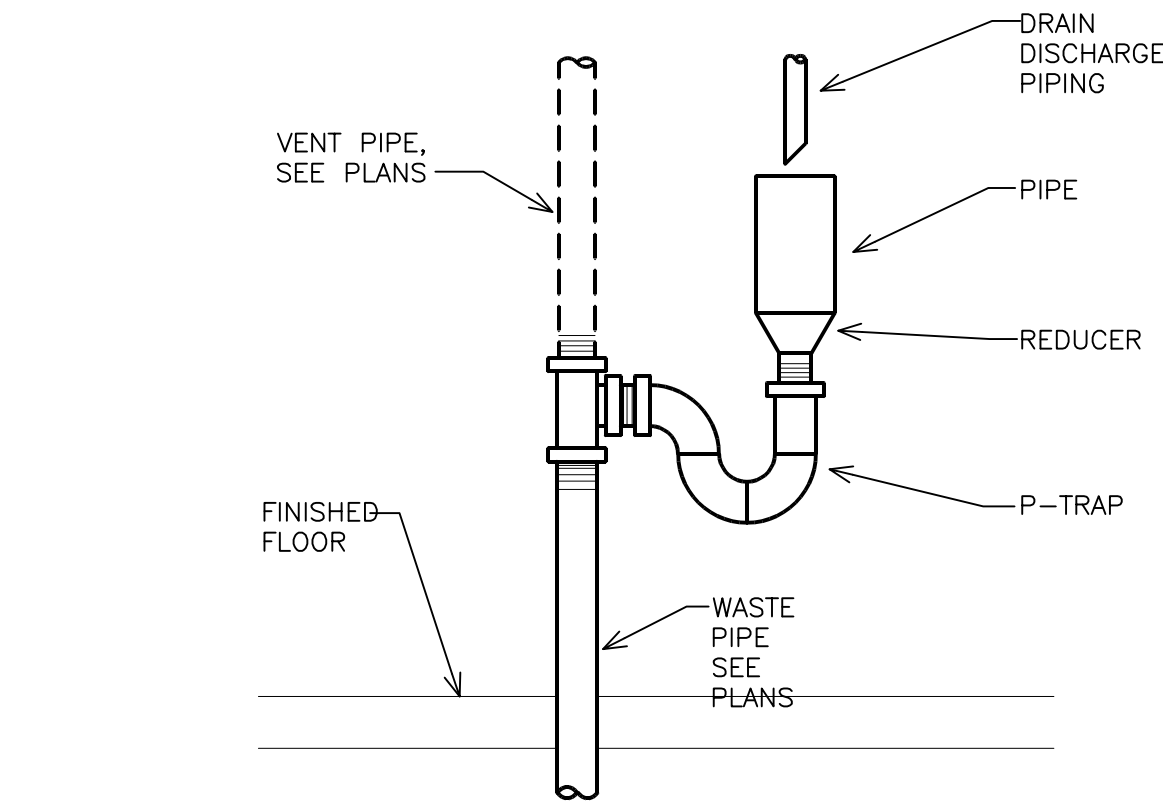


- 1 CONNECT NEW 1" CW TO EXISTING LANDLORD PROVIDED WATER SERVICE. EXISTING WATER PIPING TO REMAIN. PROVIDE NEW RPZ BACKFLOW PREVENTER IF REQUIRED. VERIFY ALL REQUIREMENTS IN FIELD.
- 2 NEW ELECTRIC WATER HEATER. SEE DETAIL ON SHEET P2.0.
- 3 1/2" CW AND 1/2" HW TO LAVATORY. PROVIDE WATTS MODEL LFMMV (OR APPROVED EQUAL) THERMOSTATIC MIXING VALVE IN ACCESSIBLE LOCATION. VALVE SHALL HAVE ASSE 1070 LISTING AND BE SET TO MAX. 110°F. SEE DETAIL ON SHEET P2.0.
- 4 3/4" CW AND 3/4" HW. MOP SINK. FAUCET SHALL HAVE INTEGRAL VACUUM BREAKER.
- 5 1/2" CW TO WATER CLOSET.
- 6 PROVIDE JOSAM MODEL 88300 (OR EQUAL) TRAP PRIMER IN ACCESSIBLE LOCATION AND EXTEND PIPE TO TRAP PRIMER CONNECTION ON FLOOR SINK/DRAIN AS SHOWN. VERIFY ROUTING IN FIELD. SEE ISOMETRIC DRAWING FOR ADDITIONAL INFORMATION
- 7 1/2" CW TO FLOWATER REFILL STATION. PROVIDE ASSE 1024 DUAL CHECK VALVE. COORDINATE ALL REQUIREMENTS WITH FLOWATER REPRESENTATIVE IN FIELD.
- 8 1/2" CW TO DRINKING FOUNTAIN.





1 PLUMBING WASTE AND VENT PLAN
1/4" = 1'-0"



3 FLOWWATER (FW-1) STANDPIPE DETAIL
NOT TO SCALE

NOTE:
PRIOR TO CONSTRUCTION/ BID THE CONTRACTOR SHALL VISIT THIS SITE AND FIELD VERIFY THE EXISTING LOCATIONS AND SIZES OF PLUMBING LINES AND FLOW DIRECTION.

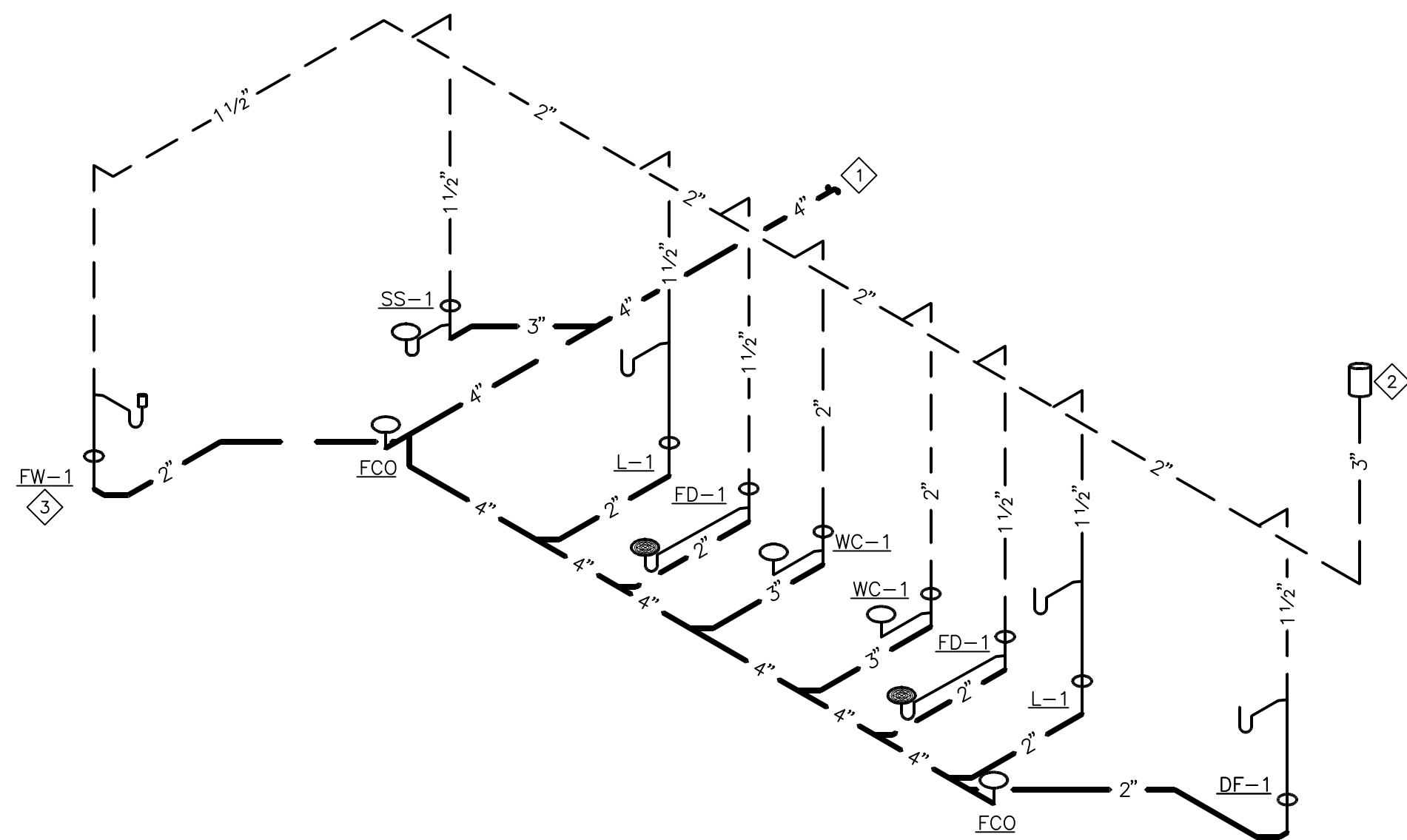
THE CONTRACTOR SHALL FIELD VERIFY ANY/ CONDITIONS WHICH MAY CONFLICT WITH THE DESIGN SHOWN ON THESE PLANS. NOTIFY ARCHITECT.

SHEET NOTES:

1. REFER TO SHEET P1.0 FOR PLUMBING SPECIFICATIONS AND GENERAL NOTES.
2. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS.
3. PLUMBING CONTRACTOR TO DEMO ALL PIPING, SUPPORTS, PLUMBING FIXTURES AND ALL RELATED APPURTENANCES. CAP ALL PIPING AT MAIN.
4. REFER TO SHEET P2.0 FOR PLUMBING SCHEDULES AND DETAILS.
5. REFER TO SHEET P3.0 FOR PLUMBING DOMESTIC WATER PLAN.

KEYED NOTES:

- 1 CONNECT NEW 4" SANITARY WASTE PIPING TO EXISTING MIN. 4" SANITARY WASTE LINE. VERIFY ROUTING AND LOCATION ON SITE.
- 2 PROVIDE 3" VENT THROUGH ROOF, MAINTAIN MIN. 10'-0" FROM ANY OUTDOOR AIR INTAKES.
- 3 PROVIDE 2" STANDPIPE WITH CODE APPROVED AIR GAP FOR FLOWWATER REFILL STATION. COORDINATE ALL REQUIREMENTS WITH FLOWWATER REPRESENTATIVE.



2 WASTE AND VENT ISOMETRIC DIAGRAM
NOT TO SCALE

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PROJECT LOCATION
SHEET TITLE
PLUMBING WASTE AND VENT PLAN

STAMP

STATE OF MISSOURI
GREGORY M. STEINMETZ
PLUMBING
NO. 15200-001
4/13/20

REVISIONS

4/13/2020 OWNER CHANGES
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△
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DATE

2020.04.10

PROJECT NUMBER
A2275

SHEET NUMBER

P4.0
RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
1015 S 33RD ST, SUITE 200
04/14/2020

PERMIT SET : 2020_04_10

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FIRE ALARM DEFERRAL NOTES:

DUNHAM ASSOCIATES IS NOT THE ENGINEER OF RECORD FOR FIRE ALARM. THE ELECTRICAL CONTRACTOR SHALL INCLUDE A PRICE IN THE ELECTRICAL BID FOR A LANDLORD APPROVED FIRE ALARM SYSTEM, INCLUDING PLANS AND ALL ASSOCIATED DOCUMENTS AS REQUIRED. THESE PLANS SHALL BE SUBMITTED TO THE LOCAL AUTHORITIES BY A QUALIFIED AND LICENSED DESIGN-BUILD FIRE ALARM CONTRACTOR FOR A COMPLETE AND APPROVED FIRE ALARM SYSTEM. THE PLANS SHALL BE SIGNED AND SEALED BY THE ENGINEER OF RECORD AND SUBMITTED FOR PLAN REVIEW PRIOR TO RECEIVING SPECIFIC PERMITS FOR THIS WORK. THE FIRE ALARM CONTRACTOR SHALL ALSO SUBMIT ALL SHOP DRAWINGS, BATTERY CALCULATIONS, SPECIFICATION SHEETS, ETC. AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION TO THEIR LOCAL DESIGN ENGINEER FOR REVIEW AND APPROVAL. LOCATIONS AND NUMBER OF DEVICES ARE SUGGESTED ONLY.

GENERAL NOTES:

- THE INTENT OF THESE DRAWINGS & SPECIFICATIONS IS TO ESTABLISH A STANDARD OF QUALITY. THE ENGINEER RESERVES THE RIGHT TO ALLOW OTHER METHODS & MATERIALS NOT REFLECTED HEREIN. THE CONTRACTOR SHALL REQUEST APPROVAL TO WAIVE THE STANDARDS, PRIOR TO BEGINNING THE PROJECT. CONTRACT DOCUMENT REVISIONS TO ACCOMMODATE THE INSTALLED CONDITIONS, WITHOUT PRIOR APPROVAL, WILL RESULT IN ADDITIONAL DESIGN CHARGES TO THE CONTRACTOR.
- THESE DRAWINGS INDICATE FINISHED REQUIREMENTS FOR ELECTRICAL SYSTEMS, EQUIPMENT, LIGHTING FIXTURES, OUTLETS & DEVICES. DUE TO STRUCTURAL CONDITIONS, MECHANICAL DUCTWORK, PIPING CONFLICTS, OR LEGITIMATE REASONS, THE CONTRACTOR MAY INSTALL INDICATED WORK IN A MANNER DIFFERENT FROM WHAT IS DRAWN. CHANGES SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW & APPROVAL PRIOR TO PROCEEDING. UPON APPROVAL, THE WORK SHALL BE PERFORMED & THE AS-BUILT DRAWINGS SHALL BE REVISED TO ACCURATELY REFLECT ANY CHANGES.
- ELECTRICAL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE N.E.C.A INSTALLATION STANDARDS TO THE SATISFACTION OF THE ARCHITECT & THE ENGINEER.
- ALL WORK, MATERIALS & EQUIPMENT WILL CONFORM TO THE CURRENTLY ACCEPTED EDITION OF ALL APPLICABLE NATIONAL , STATE & CITY CODES & ORDINANCES.
- ALL ELECTRICAL MATERIALS AND EQUIPMENT TO BE USED SHALL BE LISTED BY U.L. OR ANOTHER RECOGNIZED TESTING FACILITY AS PERMITTED BY THE JURISDICTION AUTHORITY.
- WHERE APPARENT DISCREPANCIES EXISTS BETWEEN THE REQUIREMENTS OF THE GENERAL NOTES & INFORMATION IN THE ELECTRICAL DRAWINGS, THE CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF THE GREATER QUALITY OR QUANTITY.
- THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID & VERIFY THE EXISTING CONDITIONS. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID ALL COSTS REQUIRED FOR PERMIT & INSPECTIONS.
- THE CONTRACTOR SHALL VERIFY W/OWNER'S REPRESENTATIVE PRIOR TO BID SUBMISSION, THE ALLOWABLE WORKING HOURS, EMPLOYEE PARKING AREAS, MATERIAL DELIVERY, STORAGE REQUIREMENTS, DEMOLITION, REMOVAL OF CONSTRUCTION DEBRIS & DAILY CLEAN UP REQUIREMENTS. INCLUDE ALL COSTS IN BID FOR REQUIRED MATERIALS NEEDED FOR THE DURATION OF THE PROJECT. PERFORM ALL WORK AS DIRECTED BY OWNER'S REPRESENTATIVE & ARCHITECT.
- ALL ELECTRICAL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW DEFECTIVE WORK, THE CONTRACTOR SHALL MAKE ALL NECESSARY CORRECTIONS AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL GUARANTEE ALL WORK AGAINST DEFECTS IN MATERIALS & WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USE FOR 1 YEAR AFTER OWNER'S ACCEPTANCE. ALL DEFECTS SHALL BE PROMPTLY CORRECTED BY THE CONTRACTOR WITHOUT ADDITIONAL CHARGE TO THE OWNER.
- PROVIDE AS-BUILT DRAWINGS TO THE ARCHITECT AND OWNER. DRAWINGS SHALL INCLUDE ACCURATE CONDUIT & DEVICE LOCATIONS DIMENSIONED FROM PERMANENT LANDMARKS.
- DO NOT SCALE ELECTRICAL DRAWINGS. VERIFY EXACT LOCATION OF ALL DEVICES, JUNCTION BOXES, LIGHTING FIXTURES,OUTLET HEIGHTS, ETC. W/ARCHITECTURAL & INTERIOR DESIGN DRAWINGS PRIOR TO INSTALLATION. THE CONTRACTOR TO VERIFY EXACT LOCATIONS OF ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS PRIOR TO ROUGH-IN. COORDINATE WITH CABINET SHOP DRAWINGS TO ENSURE PROPER HEIGHT & LOCATION WITH RESPECT TO MILLWORK, EQUIPMENT, ETC.
- ANY RACEWAY SYSTEMS THAT MAY BE SHOWN ARE FOR DIAGRAMMATICAL PURPOSES ONLY. ACTUAL LOCATION & ROUTING OF ALL SHALL BE DETERMINED BY THE CONTRACTOR TO MEET FIELD CONDITIONS.
- PROVIDE A DEDICATED NEUTRAL FOR NEW CIRCUITS. HOME RUN CONDUCTORS MAY BE COMBINED INTO (1) CONDUIT. NO RACEWAY OR CABLE SHALL CONTAIN MORE THAN (8) CURRENT CARRYING CONDUCTORS. WHERE MULTIPLE CONDUCTORS IN EXCESS OF (3) ARE INDICATED ON THESE DRAWINGS, THEY MUST BE DERATED AS REQUIRED IN N.E.C. ARTICLE 310.
- WHERE ALLOWED, MC CABLE MAY BE INSTALLED PER N.E.C. ARTICLE 330, WHERE MULTIPLE CABLES ARE ROUTED ADJACENT TO EACH OTHER (BUNDLED), A MINIMUM SEPARATION OF (1) CABLE DIAMETER (LARGEST) SHALL BE REQUIRED.
- PLASTIC CABLE TIES ARE PROHIBITED FOR USE TO SUPPORT MC CABLE. USE ONLY CABLE SUPPORTS PER CABLE MANUFACTURER'S INSTALLATION REQUIREMENTS.
- RACEWAYS SHALL BE CONCEALED (IN CMU OR OTHER WALLS) WHENEVER POSSIBLE. RACEWAYS INSTALLED EXPOSED SHALL BE ROUTED OUT OF PUBLIC VIEW. RACEWAYS SHALL BE RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
- PROVIDE APPROVED EXPANSION FITTINGS WHERE RACEWAYS JUMPER(S) SIZED PER CODE WHERE REQUIRED. PROVIDE ALL FITTINGS REQUIRED FOR A COMPLETE INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR EXPANSION JOINT LOCATION(S).
- MINIMUM RACEWAY SIZE SHALL BE 1/2". MINIMUM HOME RUN SIZE SHALL BE 3/4". MINIMUM CONDUCTOR SHALL SHALL BE #12 AWG UNLESS NOTED OTHERWISE. ALL POWER RELATED CONDUITS SHALL HAVE A CODE SIZE GROUND WIRE INSTALLED IN EACH RUN.
- CONTRACTOR SHALL PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS. WHERE MORE THAN (1) CONDUIT TERMINATES AT A JUNCTION BOX, THE CONTRACTOR SHALL IDENTIFY EACH CONDUIT & JUNCTION BOX IN A MANNER THAT ALLOWS FOR IDENTIFICATION AFTER ALL WALL FINISHES HAVE BEEN APPLIED.
- CONTRACTOR SHALL PROVIDE ALL RACEWAY SYSTEMS INDICATED ON THE DRAWINGS PER N.E.C. REQUIREMENTS & THE GENERAL NOTES. ANY CHANGE IN THE WIRING METHODS INDICATED SHALL REQUIRE WRITTEN APPROVAL FROM THE ARCHITECT, ENGINEER, OR OWNER. THE CONTRACTOR'S BID SHALL INCLUDE ALL COSTS FOR RACEWAY SYSTEMS AS SPECIFIED UNLESS NOTED OTHERWISE WITH WRITTEN APPROVAL FROM THE ARCHITECT, ENGINEER, OR OWNER & IS SUBMITTED AS PART OF

CONTRACTOR'S FORMAL BID PROPOSAL.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECT SIZE & INSTALLATION OF ALL OUTLET, PULL & JUNCTION BOXES IN ACCORDANCE WITH N.E.C 314.16. ALL BOXES SHALL BE MINIMUM 4" SQUARE BY 1-1/2" DEEP OR AS INDICATED ON THE DRAWINGS. ALL BOXES SHALL BE RECESSED WITH COVER PLATES TO SUIT THE INTENDED APPLICATION.
- REFER TO ARCHITECTURAL RCP FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES. ARCHITECTURAL DRAWINGS SHALL GOVERN CASE OF CONFLICT WITH THESE DRAWINGS.
- PRIOR TO INSTALLATION, CONTRACTOR SHALL REVIEW THE COMPLETE SET OF CONSTRUCTION DOCUMENTS FOR CONFLICTS WITH OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL WORK WITH OTHER TRADES TO AVOID INSTALLATION CONFLICTS. THE CONTRACTOR SHALL MAKE NECESSARY MINOR ADJUSTMENTS IN EQUIPMENT LOCATION & ROUTING AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPERLY CUT & PATCHED EXISTING CONSTRUCTION AS REQUIRED TO INSTALL NEW ELECTRICAL WORK. ALL PATCHING SHALL BE EQUAL MATERIALS, WORKMANSHIP & FINISH AS THE EXISTING WORK & SHALL ACCURATELY MATCH ALL SURROUNDING WORK TO SATISFY THE ARCHITECT.
- ALL ELECTRICAL EQUIPMENT SHALL HAVE SUFFICIENT GUTTER SPACE & LUGS TO ACCOMMODATE QUANTITY & SIZE OF CONDUCTORS REQUIRED. CONTRACTORS SHALL PROVIDE EQUIPMENT WITH OVERSIZED ENCLOSURES WHERE REQUIRED.
- ALL NEW PANELBOARDS & SWITCHBOARDS SHALL BE OF THE SAME MANUFACTURER & HAVE LOCKING DOORS & TO BE KEVED THE SAME UNLESS NOTED OTHERWISE.
- PROVIDE AN UPDATED TYPED PANEL DIRECTORY MOUNTED ON THE INSIDE OF ALL PANEL DOOR COVERS. DIRECTORY SHALL REFLECT ALL MODIFICATIONS TO EXISTING PANELS & SHALL REFLECT ACTUAL "AS-BUILT" CONDITIONS.
- VERIFY DEVICE COLOR & MOUNTING ORIENTATION (VERTICAL OR HORIZONTAL) WITH ARCHITECTURAL & INTERIOR DESIGN DRAWINGS PRIOR TO ORDERING ANY EQUIPMENT & PROVIDE DEVICES AS REQUIRED UNLESS NOTED OTHERWISE. DEVICES AND DEVICE PLATES SHALL BE WHITE IN COLOR.
- WHERE MOTORS ARE INSTALLED IN SUSPENDED CEILINGS, THE CONTRACTOR SHALL PROVIDE A DISCONNECT IN THE SUSPENDED CEILING WITHIN REACH FROM THE ACCESS POINT.
- SIZING OF MOTOR RELATED ELECTRICAL COMPONENTS, INCLUDING FEEDER AND/OR BRANCH CIRCUITS (WIRE & CONDUIT) & OVERCURRENT PROTECTION (BREAKER AND/OR FUSES) IS BASED ON THE RATINGS INDICATED IN THE CONTRACT DOCUMENTS & ON THE N.E.C. MOTORS FLC TABLE FOR A GIVEN HORSEPOWER, VOLTAGE & PHASE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ACTUAL MOTOR & APPLIANCE RATING & LOADS. THE CONTRACTOR SHALL PROVIDE CORRECTLY SIZED MOTOR OVERLOAD ELECTRICAL COMPONENTS BASED ON NAMEPLATE RATING. REFLECT ALL CHANGES IN THE AS-BUILT DRAWINGS.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW OF ELECTRICAL EQUIPMENT AND LIGHTING FIXTURES.
- ALL PENETRATIONS OF FIRE RATED FLOORS OR WALLS SHALL BE PROTECTED BY MATERIALS & INSTALLATION DIAGRAMS THAT CONFORM TO U.L. LISTING FOR "THROUGH PENETRATION FIRE STOP SYSTEMS".
- UPON COMPLETION OF THE INSTALLATION OF THE LIFE SAFETY SYSTEM WIRING & DEVICES, A PERFORMANCE TEST OF THE ENTIRE LIFE SAFETY SHALL BE PERFORMED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.
- ALL ELECTRICAL TERMINATIONS OR EQUIPMENT TO UNDERGO A TORQUE TEST. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE MANUFACTURER'S TORQUE DOCUMENTATION & THE TOOLS NECESSARY TO PERFORM A TORQUE TEST.
- ALL UNDERGROUND SERVICE CONDUITS SHALL BE SEALED PER N.E.C. ARTICLE 230.8.
- FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE ON A 4" HIGH CONCRETE PAD.
- INSTALL TRANSFORMER FOLLOWING MANUFACTURER'S RECOMMENDATIONS FOR VENTILATION CLEARANCES.
- COORDINATE ELECTRICAL REQUIREMENTS FOR ALL PLUMBING & MECHANICAL EQUIPMENT WITH FINAL CONTRACTOR SELECTION. THE CONTRACTOR SHALL SIZE DISCONNECTS BASED UPON CIRCUIT BREAKER RATINGS & PROVIDE FUSING AS REQUIRED PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS & U.L. LISTING REQUIREMENTS.
- PROVIDE #10 AWG CONDUCTORS FOR 20 AMP, 120 VOLT BRANCH CIRCUITS LONGER THAN 75' & #8 AWG CONDUCTORS FOR 20 AMP, 120 VOLT BRANCH CIRCUITS LONGER THAN 120'. PROVIDE #10 AWG CONDUCTORS FOR 20 AMP, 277 VOLT BRANCH CIRCUITS LONGER THAN 200'.

NOTES & TAGS

<div>E19</div> <div>RTU</div> <div>1</div>	ELEC EQUIP CONNECTION TAG – SEE EQUIP SCHEDULE CO=CONVENIENCE OUTLET
<div>◇</div>	KEYNOTE
<div>L-1,3</div> <div></div>	CIRCUIT HOME RUN – L INDICATES PANEL – NUMBERS INDICATE CIRCUITS
<div></div>	CONDUCTOR COUNT – UNLESS NOTED OTHERWISE / SHORT HASH INDICATES 1#12 WIRE / LONG HASH INDICATES 1#12 NEUTRAL / HASH W/ DOT INDICATES 1#12 GROUND
<div>○ ○</div>	JUNCTION BOX – WALL/CEILING MOUNT

POWER

<div></div>	BRANCH CIRCUIT PANEL	
<div></div>	TRANSFORMER	
<div></div>	MOTOR OR MOTOR CONNECTION	
<div></div>	DISCONNECT SWITCH	
<div></div>	SINGLE RECEPTACLE	18"
<div></div>	DUPLEX RECEPTACLE	18"
<div></div>	ENTIRE DUPLEX RECEPTACLE TO BE SWITCHED	18"
<div></div>	LOWER HALF OF DUPLEX RECEPTACLE TO BE SWITCHED	18"
<div></div>	QUADPLEX RECEPTACLE	18"
<div></div>	DUPLEX RECEPTACLE– CEILING MOUNT	
<div></div>	GFI RECEPTACLE, DUPLEX/QUADPLEX– WALL MOUNT	
<div></div>	CLOCK RECEPTACLE	
<div></div>	SPECIAL PURPOSE RECEPTACLE	18"
<div></div>	SPECIAL PURPOSE RECEPTACLE – CEILING	
<div></div>	FLOOR BOX– DEVICES AS INDICATED	
<div></div>	POWER POLE – DEVICES AS INDICATED	
<div></div>	MULTIOUTLET ASSEMBLY – DEVICES AS INDICATED	

SWITCHES & CONTROLS

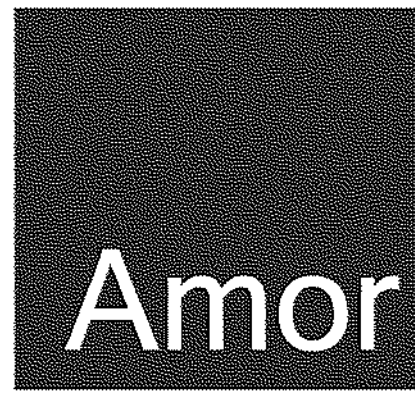
<div>\$</div>	SINGLE POLE TOGGLE SWITCH	48"
<div>\$3</div>	THREE WAY TOGGLE SWITCH	48"
<div>\$*</div>	TOGGLE SWITCH – "g" INDICATES SWITCHING	48"
<div>\$</div>	PILOT LIGHT TOGGLE SWITCH	48"
<div>\$^L</div>	ILLUMINATED TOGGLE – TOGGLE SWITCH	48"
<div>\$^K</div>	KEYED SWITCH	48"
<div>\$^{MC}</div>	MOMENTARY CONTACT TOGGLE SWITCH	48"
<div>\$^{TS}</div>	TIMER SWITCH	48"
<div></div>	DIMMER SWITCH	48"
<div></div>	OCCUPANCY SENSOR – WALL/CLG MOUNT	
<div></div>	OCCUPANCY SENSOR WALL SWITCH	48"
<div></div>	VACANCY SENSOR – WALL/CLG MOUNT	
<div></div>	VACANCY SENSOR WALL SWITCH	48"
<div></div>	PHOTO ELECTRIC CELL	
<div></div>	TIME CLOCK	
<div></div>	CONTACTOR	
<div></div>	LOW VOLTAGE TRANSFORMER	
<div></div>	ELECTRIC THERMOSTAT	
<div></div>	PUSHBUTTON STATION – BUTTONS AS INDICATED	

FIRE ALARM/DATA

<div></div>	MANUAL PULL STATION – WALL MOUNT @48"	
<div></div> <div>P</div> <div>I</div>	SMOKE DETECTOR (P=PHOTOELEC, I=IONIZATION)	
<div></div>	DUCT MOUNTED SMOKE DETECTOR	
<div></div>	FLOW SWITCH	
<div></div>	TAMPER SWITCH	
<div></div>	STROBE (# = CANDELA)	
<div></div>	HORN	
<div></div>	HORN/STROBE	
<div></div>	DATA OUTLET – WALL MOUNT	
<div></div>	PHONE/DATA OUTLET – WALL MOUNT	
<div></div>	PHONE OUTLET – WALL MOUNT	
<div></div>	TV SYSTEM OUTLET	
<div></div>	BUZZER – WALL/CLG MOUNT	

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
CO	CONVENIENCE (GENERAL) OUTLET
GFI/GFCI	GROUND FAULT INTERRUPTER
GND	GROUND
IG	ISOLATED GROUND
TYP	TYPICAL
UC	UNDER COUNTER
UNO	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF



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PROJECT LOCATION

SHEET TITLE

GENERAL NOTES, SYMBOLS LIST, FIXTURE SCHEDULE, ABBREV. AND KEY PLAN

STAMP



4/13/2020

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REVISIONS

△	4/13/2020 OWNER CHANGES
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DATE

2020.04.10

PROJECT NUMBER

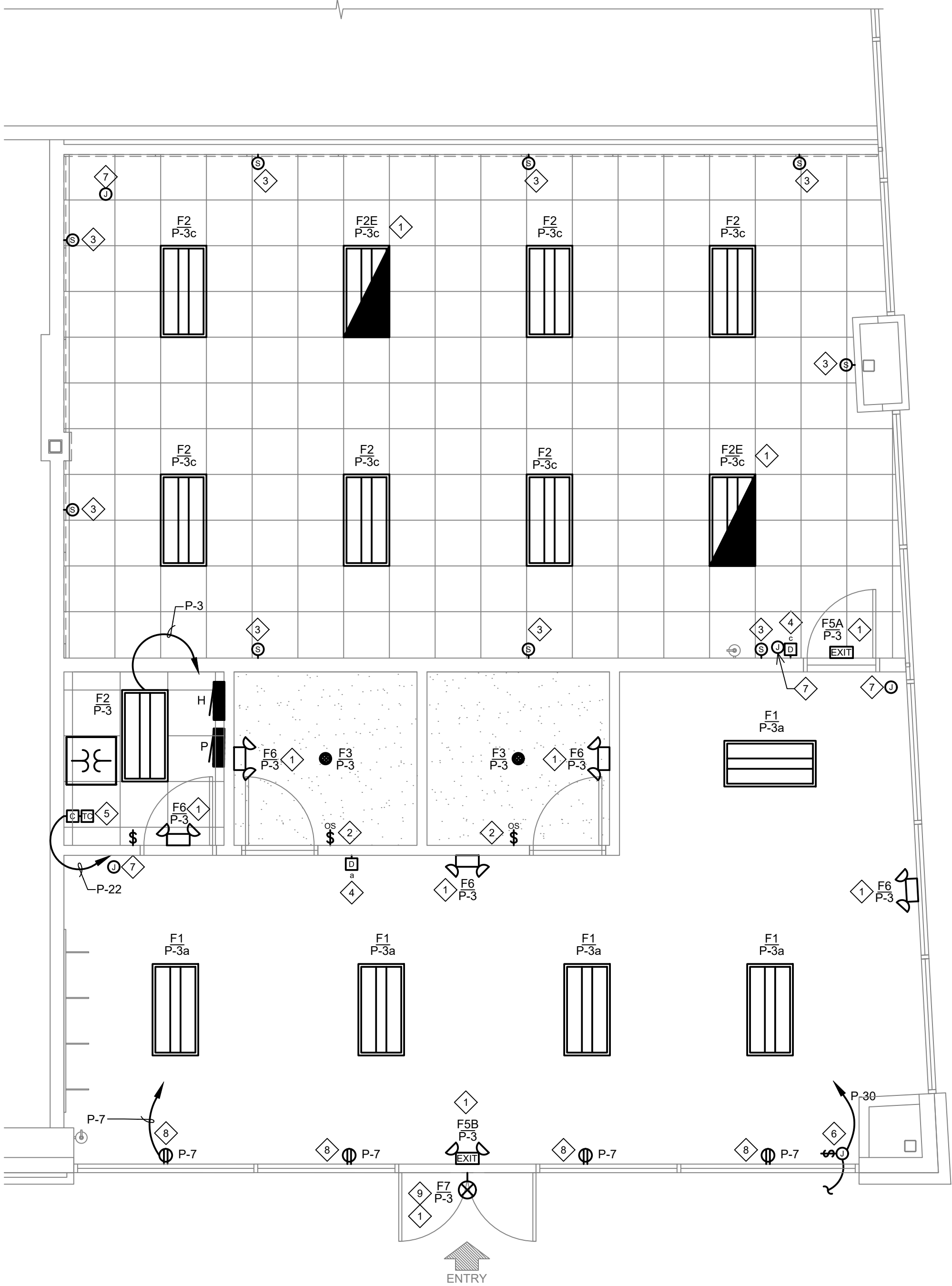
A2275

SHEET NUMBER



04/14/2020

LIGHTING SCHEDULE							
ARCHITECTURAL FIXTURE TYPES - ROW HOUSE PROTOTYPE							
FIXTURE DESIGNATION	SYMBOL	DESCRIPTION	WATTS	VOLTAGE	MANUFACTURER	MODEL #	REMARKS
F1		SUSPENDED 2'X4' LED PANEL LIGHT, DIRECT/INDIRECT	50W	120V	KONLITE	KK-PS-24DW-50-LFSZ	SUSPENSION MOUNTED AT 10' A.F.F. IN LOBBY / CHECK-IN AREA. G.C. TO PROVIDE SUSPENSION MOUNTING KIT.
F2		RECESSED 2'X4' LED TROFFER, DIRECT/INDIRECT	31W	120V	LITHONIA LIGHTING	2BLT4-48L-ADP-EZ1-LP840	RECESSED AT STUDIO AREA.
F2E		RECESSED 2'X4' LED TROFFER, WITH EMERGENCY BATTERY PACK	31W	120V	LITHONIA LIGHTING	2BLT4-48L-ADP-EZ1-LP840-E10WLCF	RECESSED AT STUDIO AREA.
F3		6" RECESSED LED DOWNLIGHT	12.7W	120V	LITHONIA LIGHTING	LDN6-40-20-L06-WH-LD-MVOL-EZ1	RECESSED MOUNT IN GYP. CEILING IN RESTROOM AND RECESSED MOUNT IN ACT CEILING IN STUDIO.
F5A		EXIT, SNGL/DOUBLE, RED LETTERS, HIGH LUMEN, UNIVERSAL MOUNTED, SELF POWERED, REMOTE CAPABLE	3	DV	LITHONIA LIGHTING	LHQM-LED-R-HO RO	WALL/ CEILING MOUNT
F5B		EXIT, SNGL/DOUBLE, RED LETTERS, EMERGENCY LIGHT COMBINATION, HIGH LUMEN, UNIVERSAL MOUNTED, SELF POWERED, REMOTE CAPABLE	3	DV	LITHONIA LIGHTING	LHQM-LED-R-HO	WALL/ CEILING MOUNT
F6		DOUBLE HEAD EMERGENCY UNIT	14.2	UNIV	LITHONIA LIGHTING	ELMBL EMERGENCY LIGHT	WALL/ CEILING MOUNT PROVIDE WITH 90 MINUTE BATTERY.
F7		DOUBLE HEAD EMERGENCY UNIT, WET LOCATION REMOTE CAPABLE	7W	120V	LITHONIA LIGHTING	WLTU MR	WALL MOUNT PROVIDE WITH 90 MINUTE BATTERY AT FRONT ENTRY ON EXTERIOR SIDE.



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

GENERAL NOTES:

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF LUMINAIRES.
- EACH LUMINAIRE SHALL BE STRUCTURALLY SUPPORTED; DO NOT USE CONDUIT FOR SUPPORT FOR EITHER FIXTURES OR BOXES.
- USE FLEXIBLE METAL CONDUIT (GREENFIELD) FOR CONNECTION OF LAY-IN FIXTURES.
- PROVIDE GROUND CONDUCTOR IN ALL CONDUIT RUNS.
- THOUGH WIRING OF FIXTURES SHALL NOT BE PERMITTED UNLESS SPECIFICALLY ILLUSTRATED.
- EACH LUMINAIRE SHALL HAVE ITS OWN BOX UNLESS OTHERWISE ILLUSTRATED.
- VERIFY LOCATION OF WALL MOUNTED EMERGENCY LUMINAIRES TO AVOID CONFLICT WITH WOOD TRIM
- REFER TO ARCHITECTURAL FOR EXACT LOCATION OF LUMINAIRES COORDINATE WITH ARCHITECT FOR LOCATION OF LUMINAIRES AND DEVICES BEFORE ROUGH-IN.
- ALL ELECTRICAL RUNS IN THE OPEN CEILINGS AREA OF THE TENANT PREMISES IN THE FRONT OF HOUSE MUST BE RIGID CONDUIT. THE USE OF FLEX CONDUIT IS PROHIBITED. IN ADDITION, ANY ELECTRICAL RUN FROM THE CEILING TO A SUSPENDED LIGHT FIXTURE MUST BE HIDDEN IN A RIGID SLEEVE. RIGID CONDUIT IS REQUIRED EVERYWHERE VISIBLE TO THE PUBLIC.
- G.C. SHALL BE RESPONSIBLE FOR FUNCTIONAL TESTING OF LIGHTING CONTROL SYSTEMS TO ENSURE PROPER CALIBRATION, ADJUSTMENT, AND OPERATION PER SECTION C408.3 OF THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE.

KEY NOTES:

- PROVIDE UNSWITCHED HOT TO ALL, EXIT, EMERGENCY, AND NIGHT LIGHTS TO BYPASS SWITCH CONTROLS. THIS MAY BE IN ADDITION TO SWITCHED HOT.
- PROVIDE LUTRON MAESTRO WALL MOUNTED OCCUPANCY SENSOR MODEL NO. MS-A102-O.
- PROVIDE 16/2 PLENUM RATED SPEAKER CABLE AT LOCATION SHOWN. SPEAKERS MOUNTED AT 9'0" A.F.F. ROUTE SPEAKER TO A/V RACK. PROVIDE 15' SLACK AT EACH END. SEE SHEET E3.0 FOR A/V RACK LOCATION.
- PROVIDE LUTRON DIVA 0-10V DIMMER DVTV-WH WITH POWER PACK PP-DV.
- PROVIDE 2 CHANNEL INTERMATIC ASTRONOMIC TIME CLOCK MODEL NO. ET8215C WITH 0-2 HOUR SPRING WOUND TIMER AND 4 POLE LIGHTING CONTACTOR, CONNECT SIGN, INTERIOR LIGHTING AND SHOW WINDOW RECEPTACLES.
- PROVIDE JUNCTION BOX WITH DISCONNECT SWITCH IN CONCEALED LOCATION FOR CONNECTION TO STOREFRONT SIGN LIGHTING. LOCATE DISCONNECT SWITCH IN CONCEALED ACCESSIBLE LOCATION PER NEC 600.6. E.C. SHALL MAKE FINAL CONNECTION TO SIGN AND CONTROL VIA TIME CLOCK.
- PROVIDE (1) CAT6 PLENUM RATED CABLE FOR EACH CAMERA LOCATION. THE CABLE SHALL RUN FROM EACH CAMERA BACK TO THE A/V RACK WITH A 15' WHIP LEFT AT EACH CAMERA LOCATION AND A 15' WHIP PROTRUDING FROM THE 2 GANG A/V CUT IN RING AT THE AV RACK. SEE SHEET E3.0 FOR A/V RACK LOCATION.
- PROVIDE SHOW WINDOW RECEPTACLE WITHIN 18" OF THE TOP OF THE WINDOW PER NEC 210.62.
- VERIFY IF THERE IS ADEQUATE GENERAL & EMERGENCY LIGHTING PRESENT. IF NOT COORDINATE WITH LANDLORD AND PROVIDE NEW.

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FLOOR PLAN - LIGHTING

PROJECT LOCATION

SHEET TITLE

STAMP



4/13/2020

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REVISIONS

4/13/2020 OWNER CHANGES

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DATE

2020.04.10

PROJECT NUMBER

A2275

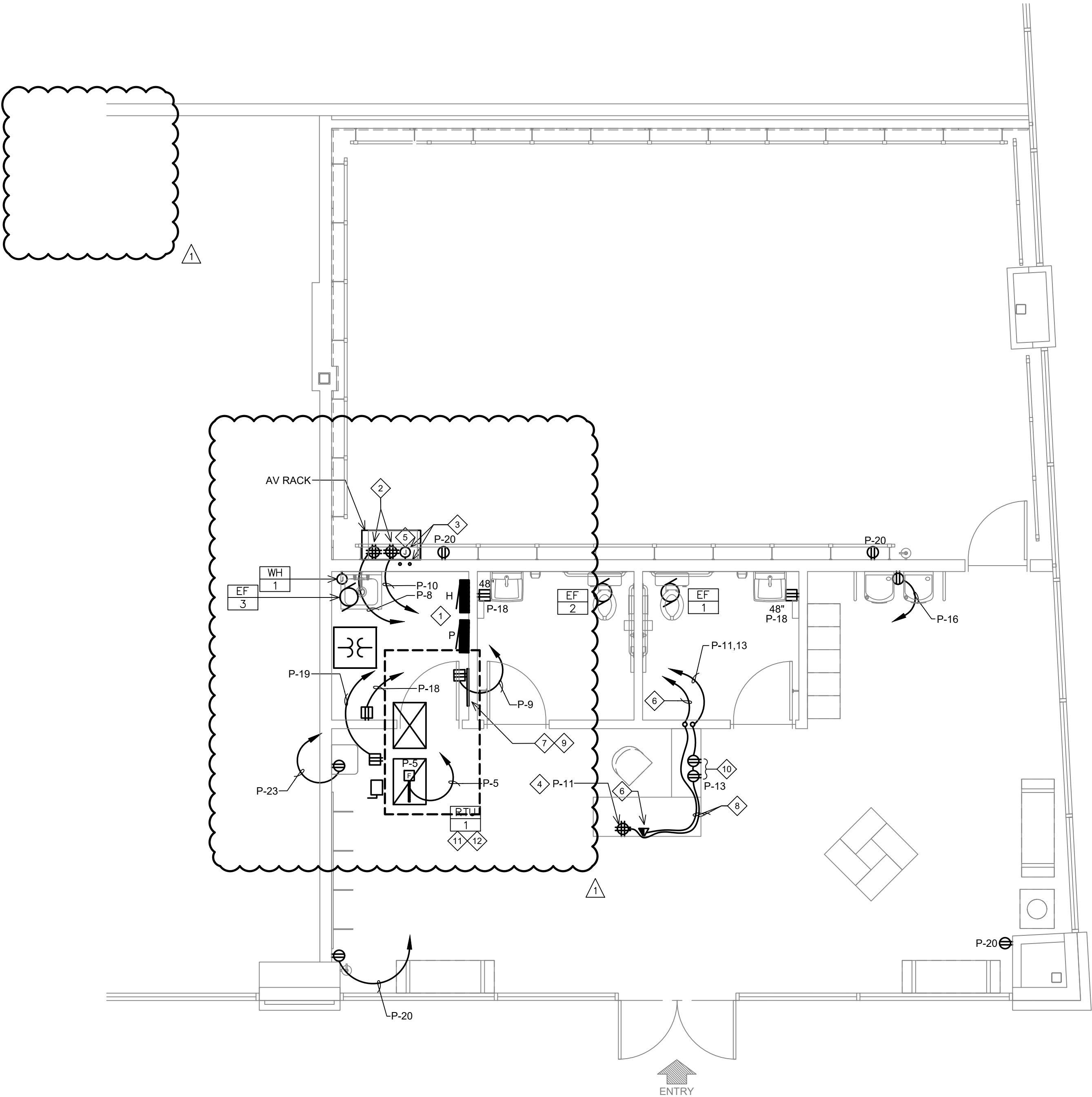
SHEET NUMBER

E2.0

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
04/14/2020

PERMIT SET : 2020_04_10

MECHANICAL EQUIPMENT SCHEDULE											
ITEM NO	DESCRIPTION	MCA	KW	VOLTS	PHASE	DISCONNECT	BKR	PNL-CKT	WIRE	GROUND	NOTES
RTU-1	EXISTING ROOFTOP UNIT	84.00	--	480	3	100A/3P NON-FUSED	90A/3P	H-2,4,6 H-8,10,12	1 1/4"C. 3#3	1 #8	1,2,3,4
WH-1	WATER HEATER		1.5	120	1	LOCK OFF DEVICE	20A/1P	P-1	1/2"C. 2 #12	1 #12	1,3,4
EF-1	EXHAUST FAN	--	0.137	120	1	20A/1P MOTOR RTD. SW.	20A/1P	P-3	1/2"C. 2 #12	1 #12	1
EF-2	EXHAUST FAN	--	0.137	120	1	20A/1P MOTOR RTD. SW.	20A/1P	P-3	1/2"C. 2 #12	1 #12	1
EF-3	EXHAUST FAN	--	0.137	120	1	20A/1P MOTOR RTD. SW.	20A/1P	P-3	1/2"C. 2 #12	1 #12	1
MOTOR/EQUIPMENT SCHEDULE NOTE (NOT ALL NOTES MAY BE USED)											
1. VERIFY REQUIREMENTS OF EQUIPMENT.											
2. PROVIDE DUCT SMOKE DETECTOR & ALL CONNECTIONS WITHIN RETURN DUCT TO SHUT DOWN UNIT UPON ALARM. SEE KEYNOTE 11 ON SHEET E3.0											
3. VERIFY NAMEPLATE RATING ON UNIT AS IT MAY DIFFER FROM LOADS SHOWN HERE.											
4. PROVIDE CONNECTION TO MECHANICAL CONTRACTOR PROVIDED CONTROLS AS REQUIRED.											
5. FAN TO REMAIN ON DURING OCCUPIED HOURS											



1 POWER FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES:

- REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EQUIPMENT LOCATION & REQUIREMENTS.
- ALL RECEPTACLES & OUTLETS LOCATED ON FURNITURE SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
- VERIFY EXACT LOCATION OF ALL EQUIPMENT PER THE ARCHITECTURAL DRAWINGS.
- ALL EXTERIOR DISCONNECTS SHALL BE N.E.M.A. 3R RATED.
- EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF TYPE WITH IN-USE COVERS.
- COORDINATE WITH ARCHITECTURAL PLANS FOR TV MOUNTING HEIGHTS & LOCATIONS PRIOR TO ROUGH-IN.
- ALL CAT6 PLENUM 16/2 S0ESLCZ CABLES NEED 10' MINIMUM OF SLACK AT ALL FIELD LOCATIONS AND 15' MINIMUM OF SLACK AT A/V RACK LOCATION FOR RACK AND INSTRUCTOR STAND CABLE DRESSING.

KEY NOTES:

- EXISTING ELECTRICAL PANELS & SUSPENDED TRANSFORMER TO REMAIN. SEE RISER DIAGRAM FOR MORE INFORMATION.
- PROVIDE (2) DEDICATED 20A CIRCUITS WITH (2) QUAD RECEPTACLES LOCATED AT A/V RACK.
- PROVIDE (2) 1-1/2" CONDUITS STUBBED UP 6" ABOVE DROP CEILING TILE AND RUN TO A 2 GANG CUT OUT RING AT THE AV RACK ADJACENT TO THE RECEPTACLE. PROVIDE (2) CAT 6 PLENUM RATED CABLES FROM TENANT UTILITY TELEPHONE BACKBOARD TO A/V RACK LOCATION.
- PROVIDE QUAD RECEPTACLE AT FRONT DESK FOR POS COMPUTER. SEE ARCHITECTURAL AND MILLWORK DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE A/V CUT IN RING AT LOCATION SHOWN.
- PROVIDE (2) CAT6 PLENUM RATED DATA CABLES ADJACENT TO FRONT DESK POWER AND TERMINATE WITH KEYSTONE JACKS ABOVE FLOOR WITHIN MILLWORK. ROUTE DATA CABLES TO A/V RACK WITH A 15' WHIP.
- COORDINATE WITH LANDLORD FOR EXACT LOCATION OF INCOMING CONDUIT AND PULL STRING FOR TELEPHONE SERVICE. EXTEND CONDUIT TO TELEPHONE BACKBOARD. COORDINATE WITH PHONE COMPANY & LANDLORD FOR CABLE REQUIREMENTS. PROVIDE ALL REQUIRED CABLE AND FINAL CONNECTIONS.
- ROUTE CONDUIT AND CABLEING ABOVE FINISHED FLOOR, WITHIN INTERIOR SIDE OF MILLWORK.
- 42"x16"x3/4" FIRE RETARDANT AC GRADE PLYWOOD TELEPHONE BOARD. EXTEND CONDUIT FROM EXISTING LANDLORD COMMUNICATION CONDUIT. COORDINATE EXACT LOCATION.
- PROVIDE (2) USB/COMBO RECEPTACLES FOR IPAD CHECK IN AT FRONT DESK. ROUTE CONDUIT ALONG INSIDE PATH OF MILLWORK.
- ELECTRICAL CONTRACTOR TO INSTALL NEW DUCT SMOKE DETECTOR IN RETURN MAIN DUCT OF EXISTING RTU IF NOT EXISTING. SMOKE DETECTOR FURNISHED BY MECHANICAL CONTRACTOR IF NOT EXISTING. SMOKE DETECTOR SHALL SHUT DOWN HVAC UNIT UPON DETECTION OF SMOKE AND BE CONNECTED TO THE FIRE ALARM SYSTEM AS REQUIRED.
- EXISTING RTU TO REMAIN. VERIFY EXISTING DISCONNECT & SERVICE RECEPTACLE WITH IN USE COVER. PROVIDE NEW AS REQUIRED. PROVIDE NEW CONNECTIONS. SEE MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.

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FLOOR PLAN - POWER & SYSTEMS

PROJECT
LOCATION

SHEET TITLE

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4/13/2020

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REVISIONS

4/13/2020 OWNER CHANGES

REVISIONS

DATE
2020.04.10

PROJECT NUMBER
A2275

SHEET NUMBER

E3.0

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CONSTRUCTION
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

04/14/2020

ELECTRICAL CONTRACTOR SHALL VISIT SITE AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO BID. EXISTING EQUIPMENT TO BE REUSED WILL BE REQUIRED TO SATISFY THE REQUIREMENTS OF THE CURRENT NEC WITH REGARDS TO RATING, IDENTIFICATION, USE, WIRE BENDING SPACE, ETC. AS IF THEY WERE NEW.

PROVIDE NEW CIRCUIT BREAKERS IN PANELS AS REQUIRED. MATCH EXISTING EQUIPMENT WITH RESPECT TO MANUFACTURER AND RATING

RISER LEGEND

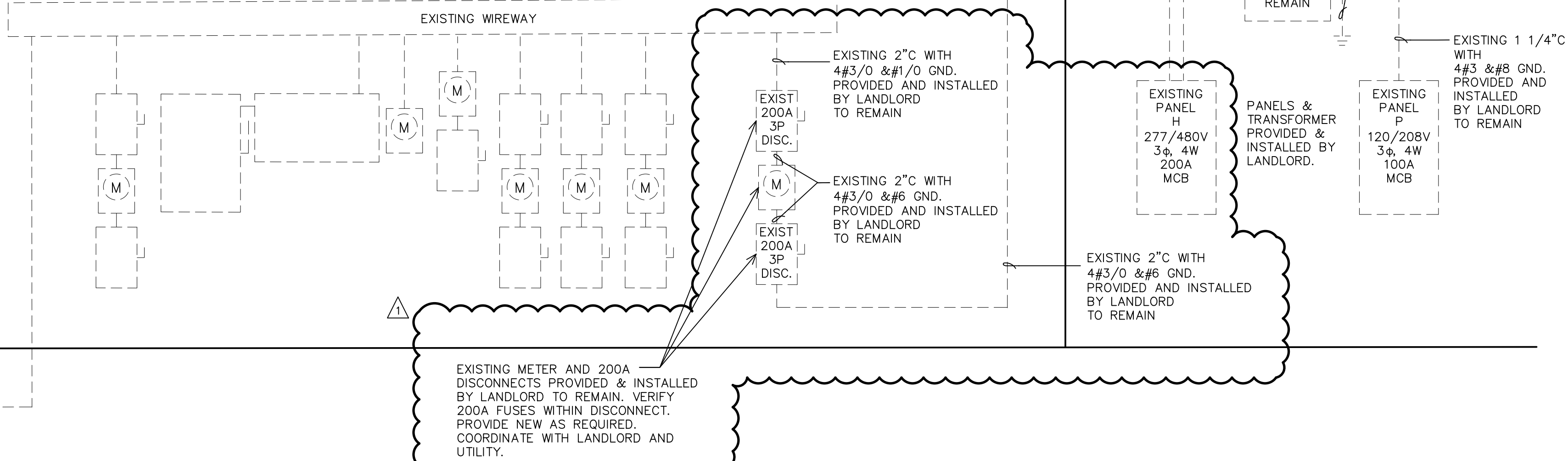
DASH LINE TYPE INDICATES EXISTING EQUIPMENT TO REMAIN

CONTINUOUS LINE TYPE INDICATES NEW EQUIPMENT TO BE INSTALLED BY CONTRACTOR

TO EXISTING
UTILITY TRANSFORMER

EXISTING GROUND
TO REMAIN.

LANDLORD'S
EXISTING
MAIN
800A
480/277V
3P 4W
SERVICE
DISCONNECT



1 RISER DIAGRAM NO SCALE

Panel : H				Voltage: 277/480V, 3PH, 4W									
No.	Amp/p	Note	Description	Ph	Code L VA	Code C VA	Code R VA	Code M VA	Code E VA	Code K VA	Code D VA		
1	50	1	30 KVA TRANSFORMER PANEL P	- A -		1440	2580						
3	/		"	- B -	617		970	410					
5	3		"	- C -	1200	540	1260						
7	-		SPACE	- A -									
9	-		SPACE	- B -									
11	-		SPACE	- C -									
13	-		SPACE	- A -									
15	-		SPACE	- B -									
17	-		SPACE	- C -									
19	-		SPACE	- A -									
21	-		SPACE	- B -									
23	-		SPACE	- C -									
25	-		SPACE	- A -									
27	-		SPACE	- B -									
2	90		EXISTING RTU-1	- A -				4986	20000				
4	/		"	- B -				4986	20000				
6	3		"	- C -				4986	20000				
8	-		SPACE	- A -									
10	-		SPACE	- B -									
12	-		SPACE	- C -									
14	-		SPACE	- A -									
16	-		SPACE	- B -									
18	-		SPACE	- C -									
Through - Feed Lug Connection				- A -									
				- B -									
				- C -									
Main Breaker				- A -		1440	2580	4986	20000				
				- B -	617		970	5396	20000				
				- C -	1200	540	1260	4986	20000				
				Conn KVA phase loads						- B -	- C -		
								84.0	29.0	27.0	28.0		
1 -	PROVIDE HACR BREAKER			Dmd	Conn	Panel - Bus KVA loads							
2 -				2.3	1.8	Code L * Lighting							
3 -				2.0	2.0	Code C * Convenience Receptacles (180 W)							
4 -				4.8	4.8	Code R * Receptacles (Non Convenience)							
5 -				17.2	15.4	Code M * Motors Largest motor VA 7479.0							
1 -				60.0	60.0	Code E * Electric Heat							
2 -				Code K * Kitchen Equip Demand 100%									
3 -													
4 -				Code D * Dwelling Units (Hotel/Motel Rooms)									
5 -				86.3	84.0	Total KVA							
SURFACE Mounting				* Spare KVA						% Spare			
EXISTING Amps AIC Rating				85 Adjusted KVA (Demand KVA + Spare KVA)									
100 Amp Rating of Bus				104 Adjusted Demand Amps									
MCB Panel Amp Rating (Min Main or Bus Rating)				107 High Phase Demand Amps						13-Apr-20			
480 Phase to Phase Voltage				File Name:		Project Number :		Project Name :					
				PANEL H		0420758-073-00		PURE BARRE					

