

SCOPE OF TENANTS WORK & GENERAL NOTES

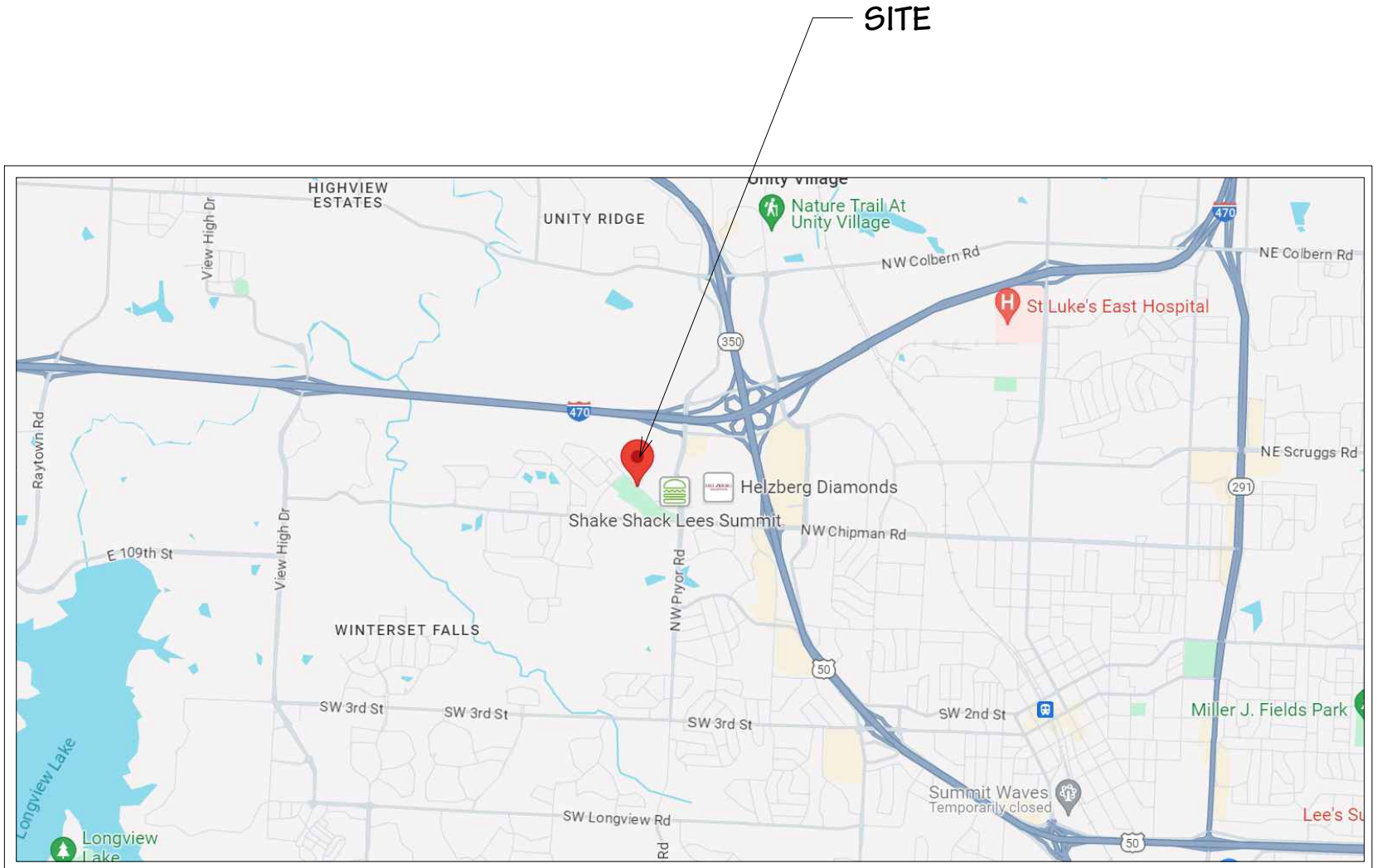
- GENERAL CONTRACTOR (G.C.) SHALL FIELD VERIFY ALL DIMENSIONS AND COLUMN LOCATIONS AT THE JOBSITE, AND BE RESPONSIBLE FOR THE PROPER FITTING OF WORK THERETO. REPORT ANY DISCREPANCIES TO THE ARCHITECT AND TO THE TENANT/FRANCHISEE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- WORK SHALL CONFORM TO APPLICABLE LOCAL CODES AND TO LANDLORD'S REQUIREMENTS, INCLUDING TENANTS EXECUTED LEASE AND CONSTRUCTION EXHIBITS. LANDLORD APPROVED TENANT CONSTRUCTION DRAWINGS MUST REMAIN ON-SITE DURING CONSTRUCTION.
- PRIOR TO COMMENCEMENT OF ANY DEMOLITION, LOCATE, PROTECT AND PRESERVE ALL LANDLORD'S EXISTING SYSTEMS WITHIN THE SPACE.
- G.C. SHALL SECURE AND PAY FOR ALL PERMITS, TEMPORARY UTILITIES, AND CARRY LIABILITY INSURANCE AS REQUIRED BY THE FRANCHISEE & L.L.
- THE CONTRACT FOR CONSTRUCTION SHALL BE BETWEEN THE G.C. AND THE TENANT/FRANCHISEE.
- CHANGE ORDERS, IF ANY, SHALL BE WRITTEN AND AGREED TO BY THE G.C., THE TENANT/FRANCHISEE, AND THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY CHANGES IN THE WORK.
- PRIOR TO START OF CONSTRUCTION, G.C. SHALL CONDUCT A PRE-CONSTRUCTION MEETING WITH LANDLORD'S ON-SITE REPRESENTATIVE AND SUPPLY ALL REQUIRED PRE-CONSTRUCTION DOCUMENTS. (COPY OF BUILDING PERMIT, CERTIFICATE OF INSURANCE, CONTRACTOR'S LICENSE, CONSTRUCTION SCHEDULE AND SUBCONTRACTOR LIST).
- DEMISING WALLS: MAINTAIN 1 HOUR RATING. PROVIDE 5/8" FIRE RATED GYPSUM BOARD AS NECESSARY. SEAL TO DECK. FIRE WALLS/DEMISING WALLS 6" METAL STUDS TO DECK.
- TYPICAL INTERIOR PARTITIONS SHALL BE 22 GA., 3-5/8", METAL STUDS TO ABOVE CEILING AT 16" O.C. WITH BRACING TO STRUCTURE AT 48" O.C. MAX. AS REQUIRED. PROVIDE 5/8" GYPSUM BOARD EACH SIDE.
- SUSPEND ALL STRUCTURAL ITEMS, WALLS AND WALL FURREDOWNS, FROM TOP CHORD OF EXISTING ROOF BAR JOIST OR OVER PANEL POINTS AT BOTTOM CHORDS. DO NOT SUSPEND ANY ITEMS FROM CEILING GRID OR METAL ROOF DECK.
- SLAB: EXISTING SLAB TO REMAIN. GC TO FILL IN EXISTING SLAB LEAVE-OUT ACCORDING TO LL SPECIFICATIONS.
- ANY NEW WORK IS BY TENANT'S G.C.
- NO COMBUSTIBLE MATERIALS ARE PERMITTED ABOVE CEILINGS.
- SPRINKLER SYSTEM: RE-USE EXISTING SPRINKLER HEADS TO THE GREATEST EXTENT POSSIBLE. RE-WORK EXISTING HEADS IF/AS NEEDED FOR NEW CEILINGS. LANDLORD REQUIRES ALL PENDANT TYPE HEADS TO BE REPLACED WITH FULLY CONCEALED TYPE HEADS IN PUBLIC VIEW AREAS.
- THE SUBSTRATE FOR TOPS ON ALL CABINETWORK SHALL BE A WATER RESISTANT PRODUCT.
- G.C. SHALL SUBMIT SHOP DRAWINGS TO THE FRANCHISEE AND TO THE ARCHITECT FOR REVIEWS AND APPROVALS PRIOR TO FABRICATION OF ALL CABINETWORK AND SIGNAGE. SUBMIT SIGNAGE SHOP DRAWINGS TO THE LANDLORD PRIOR TO THE FABRICATION OF SIGNAGE.
- G.C. SHALL PROVIDE TO FRANCHISEE AND TO LANDLORD A MINIMUM ONE-YEAR WARRANTY, NAMING BOTH FRANCHISEE AND LANDLORD, AGAINST DEFECTS IN WORKMANSHIP, MATERIALS AND EQUIPMENT.
- PRIOR TO THE ANTICIPATED SHIPPING DATE, G.C. SHALL VERIFY WITH THE FRANCHISEE THE NAME AND PHONE NUMBER OF THE TRUCKING COMPANY WHICH WILL DELIVER EQUIPMENT FROM THE EQUIPMENT SUPPLIER INTO THE SPACE.
- G.C. SHALL PROVIDE TO THE FRANCHISEE AS-BUILT DRAWINGS FOR THE PLUMBING SYSTEM INCLUDING ANY AND ALL MODIFICATIONS TO THE DRAWINGS.
- G.C. SHALL OBTAIN ALL REQUIRED INSPECTIONS, AND SECURE ALL OFFICIAL APPROVALS OF WORK PERFORMED. THE CONTRACTOR SHALL SUBMIT ALL CERTIFICATES OF INSPECTION AND CERTIFICATE OF OCCUPANCY TO THE FRANCHISEE UPON COMPLETION OF THE WORK.
- PROPERLY SEAL ALL FLOORS, WALLS AND CEILINGS AROUND DUCTS, PIPES AND CABLES TO PREVENT VERMIN HARBORAGE. SEAL ALL GAPS, CRACKS, JOINTS AND OPENINGS GREATER THAN 1/4" WIDE WITH PRINTABLE CAULK. USE BACKER ROD BEHIND CAULK WHERE JOINTS EXCEED 1/4". PAINT TO MATCH ADJOINING SURFACES. SEAL ALL FLOOR-MOUNTED EQUIPMENT TO FLOOR UNLESS EQUIPMENT IS MOUNTED ON LEGS AT LEAST 6" HIGH.
- ALL PAINTED WOOD SHALL BE PAINT GRADE BIRCH OR COMPARABLE.
- G.C. SHALL BE RESPONSIBLE FOR ALL FINISH WORK UNLESS OTHERWISE INDICATED IN THE DRAWINGS. ALL PAINTING REQUIRED SHALL BE THREE-COAT SEMI-GLOSS ENAMEL UNLESS OTHERWISE INDICATED IN THE DRAWINGS. FOLLOWING THE INSTALLATION OF CONTRACTOR SUPPLIED CABINETS, THE CONTRACTOR SHALL PROVIDE FACINGS AND COVERINGS INDICATED.
- AT THE COMPLETION OF THE WORK, G.C. SHALL FURNISH TO THE ARCHITECT, ONE SET OF BLUELINES MARKED IN RED WHERE CHANGES WERE MADE TO THE DRAWINGS, WHERE SUGGESTIONS OR COMMENTS MIGHT HAVE IMPROVED OR CLARIFIED THE DOCUMENTS, OR WHERE FUTURE DETAILS ON FUTURE SETS OF DOCUMENTS COULD BE IMPROVED. THESE ARE FOR THE ARCHITECT'S ON-GOING DOCUMENT QUALITY ENHANCEMENT PROGRAM.
- PROVIDE MINIMUM OF ONE, MAXIMUM OF TWO (2A RATING) FIRE EXTINGUISHER(S), TO COMPLY WITH REQUIREMENTS OF 1) NFPA 10, 2015 EDITION, 2) THE LOCAL FIRE DEPARTMENT, AND 3) THE LANDLORD'S INSURANCE COMPANY.



PROJECT SCOPE

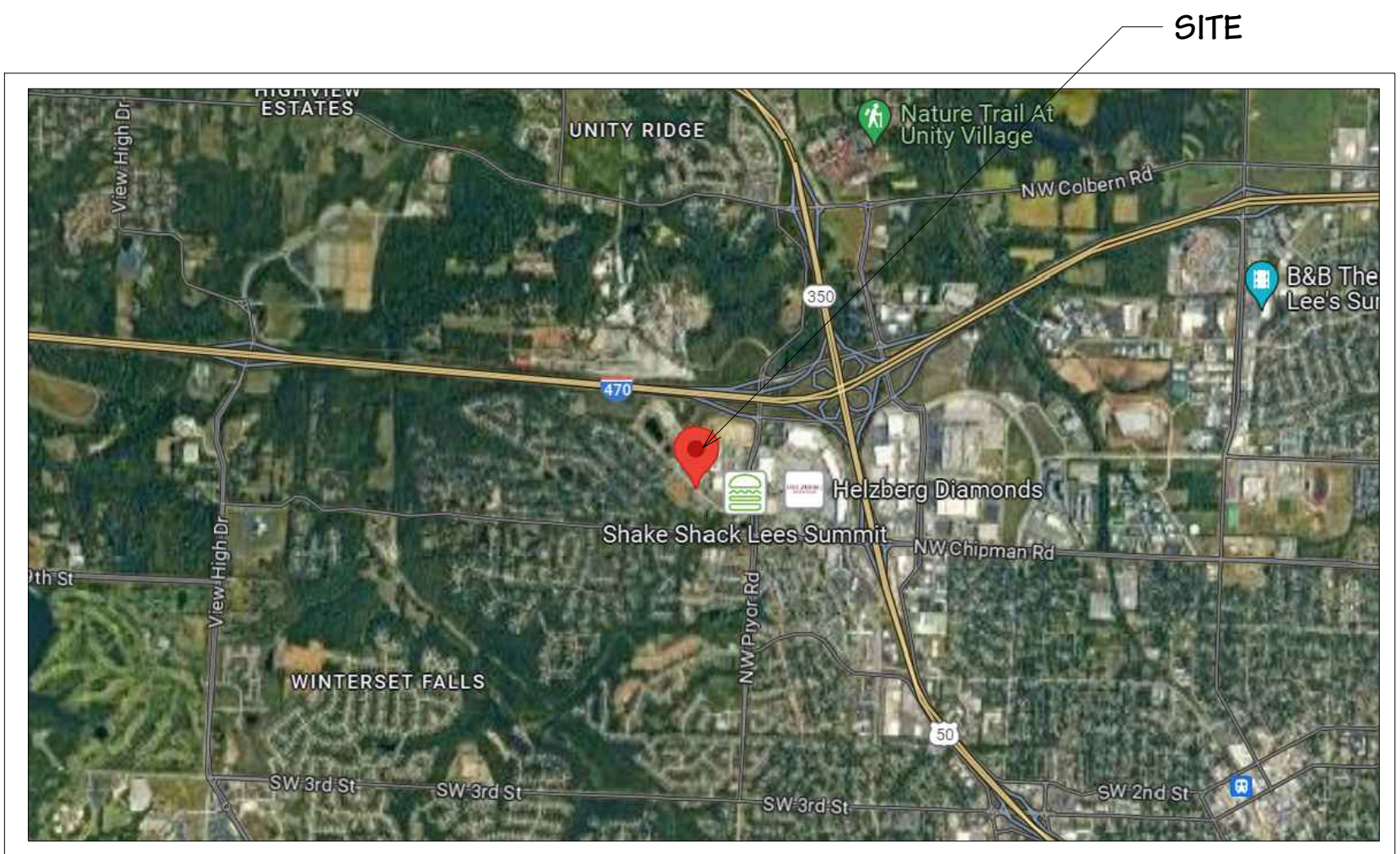
INTERIOR FINISH OUT FOR BEEM LIGHT SAUNA WITH SAUNA SUITES AND RESTROOMS

beem LIGHT SAUNA
SUITE B AREA: 1549 SQ. FT.
BEEM LIGHT SAUNA
2070 NW LOWENSTEIN DR, SUITE B,
LEE'S SUMMIT, MO 64081



LOCATION MAP

SCALE: N.T.S.



VICINITY MAP

SCALE: N.T.S.

PROJECT DIRECTORY

BEEM LIGHT SAUNA
2070 NW LOWENSTEIN DR, SUITE B,
LEE'S SUMMIT, MO 64081

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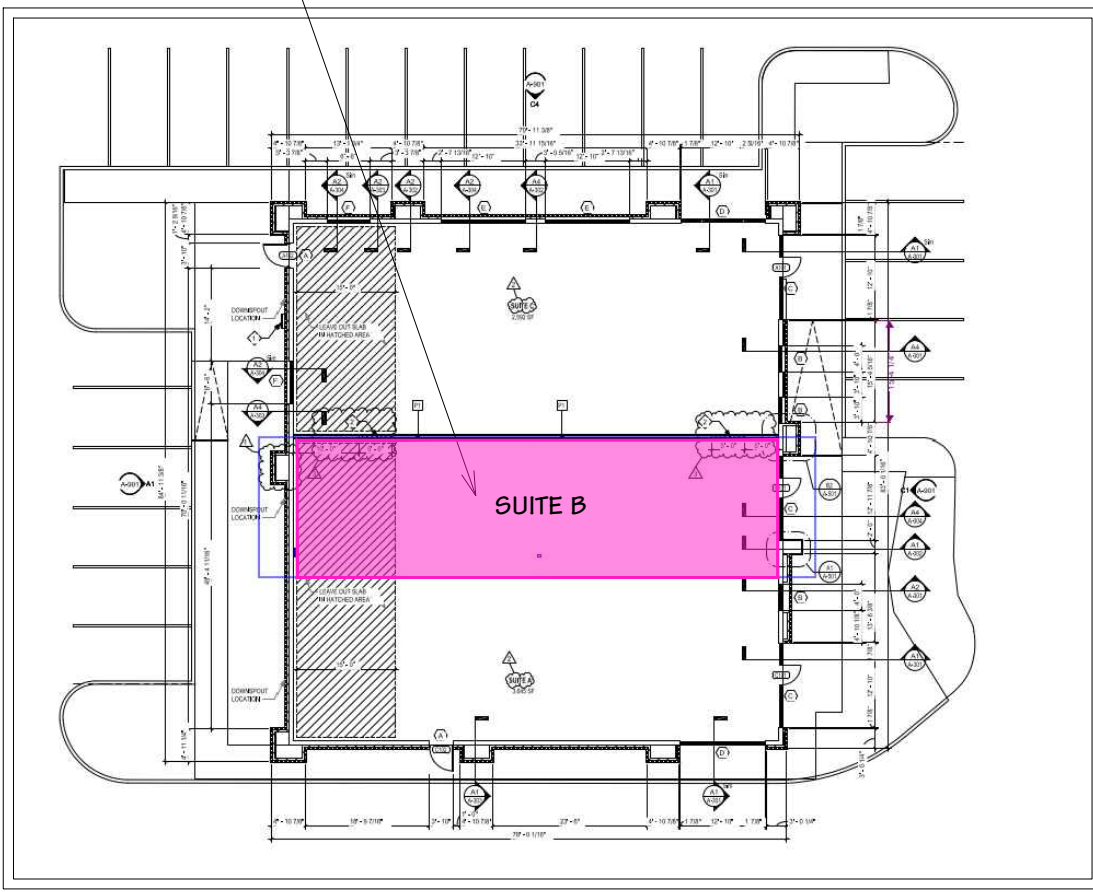
OCCUPANCY CALCULATIONS

AREA	CLASSIFICATION	OCCUPANT LOAD (S.F./OCC.)	SQ. FT.	CALCULATED OCCUPANTS
RECEPTION 101	MERCANTILE	60	151	3
MERCHANDISE 102	MERCANTILE	60	100	2
SAUNA 103	BUSINESS	150	60	1
RED LIGHT 104	BUSINESS	150	60	1
SAUNA 105	BUSINESS	150	60	1
SAUNA 106	BUSINESS	150	57	1
SAUNA 107	BUSINESS	150	57	1
SOCIAL SAUNA 108	BUSINESS	150	86	1
ADA SAUNA 109	BUSINESS	150	117	1
RED LIGHT 110	BUSINESS	150	57	1
RED LIGHT 111	BUSINESS	150	70	1
RESTROOM 112	N/A	N/A	43	N/A
ADA RESTROOM 113	N/A	N/A	73	N/A
UTILITY 114	STORAGE	300	122	1
HALLWAY 115	N/A	N/A	234	N/A
TOTAL BUILDING OCCUPANTS				15

PLUMBING CALCULATIONS

OCCUPANCY	REQUIRED WATER CLOSETS (TOILETS)	PROVIDED WATER CLOSETS (TOILETS)	REQUIRED LAVATORIES (SINKS)	PROVIDED LAVATORIES (SINKS)
BUSINESS GROUP "B"	1 PER 25 FOR THE FIRST 50, AND 1 PER 50 FOR REMAINDER EXCEEDING 50	1 PER 8 (MALE) 1 PER 8 (FEMALE)	1 PER 40 FOR FIRST 80, 1 PER 80 FOR REMAINDER EXCEEDING 80	1 PER 15
DRINKING FOUNTAINS: PER 2018 IPC SECTION 403			REQUIRED: 1 PER 100	PROVIDED: 1 PER 15
SERVICE SINK:			REQUIRED: 1	PROVIDED: 1

TENANT SPACE



TENANT MAP

SCALE: N.T.S.

PROJECT DATA

CODE REFERENCE	2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL FUEL GAS CODE 2018 INTERNATIONAL RESIDENTIAL CODE 2018 INTERNATIONAL FIRE CODE 2017 NATIONAL ELECTRICAL CODE ICC/ANSI A117.1-2009, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
TENANT	BUSINESS USE GROUP "B" GROSS FLOOR AREA: 1,549 S.F. CONSTRUCTION TYPE: 5-B NON SPRINKLED SPRINKLED: NO FIRE ALARM: Y/N (TBD) 1-HOUR PROTECTED: YES NUMBER OF STORIES: 1 CALCULATED LOAD FOR BUILDING OCCUPANCY: 15



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May 30, 2024

beem Light Sauna
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Lee's Summit, MO 64081
Permit Set

REVISIONS

No.	DATE	NOTE
1	05.29.2024	CITY COMMENTS

Drawn by: ----
Checked by: ----
Project No: ----
Date: May 30, 2024

Cover Sheet

Sheet:
G-001

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METAL ANCHORS OF SHAPES AND SIZES INDICATED ON JAMBS NEAR TOP AND BOTTOM OF EACH FRAME, AND AT INTERMEDIATE POINTS NOT OVER 24" ON CENTER. PROVIDE TEMPORARY STEEL SPREADERS FASTENED ACROSS BOTTOM OF FRAMES, WHERE CONSTRUCTION WILL PERMIT CONCEALMENT, LEAVE SPREADERS IN PLACE AFTER INSTALLATION; OTHERWISE, REMOVE SPREADERS AFTER FRAMES ARE SET AND ANCHORED.

2.02 HOLLOW METAL DOORS: METAL FRAMES BY RDL SUPPLY, WITH METAL FRAME VIEW PANEL AS SHOWN ON THE DRAWINGS. PREPARE FOR HARDWARE SPECIFIED IN SECTION 08700. PROVIDE TOP CAP FOR WEATHER PROTECTION.

2.03 SHOP PAINTING: CLEAN AND CHEMICALLY TREAT (PHOSPHATES) METAL SURFACES TO ASSURE MAXIMUM PAINT ADHERENCE; FOLLOW WITH A DIP OR SPRAY COAT OR RUST-INHIBITIVE METALLIC OXIDE, ZINC CHROMATE, OR SYNTHETIC RESIN PRIMER ON ALL EXPOSED SURFACES. FINISH SURFACES SHALL BE SMOOTH AND FREE FROM IRREGULARITIES AND ROUGH SPOTS. EACH COAT OF PAINT SHALL BE SEPARATELY BAKED OR OVEN DRIED.

FLUSH WOOD DOORS
SECTION 08250

PART ONE - GENERAL

1.01 SCOPE: PROVIDE SOLID FLUSH DOORS, COMPLETE IN PLACE WITH FINISH HARDWARE INSTALLED, WHERE SHOWN ON THE DRAWINGS, AS SPECIFIED HEREIN, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION.

1.02 QUALITY ASSURANCE:

- USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK OF THIS SECTION.
- IN ADDITION TO COMPLY WITH PERTINENT CODES AND REQUIREMENTS OF GOVERNMENTAL AGENCIES HAVING JURISDICTIONAL AGENCIES HAVING JURISDICTION, COMPLY WITH:
 - "MANUAL OF MILLWORK" OF THE WOODWORK INSTITUTE OF CALIFORNIA, FOR THE GRADE OR GRADES SPECIFIED; OR
 - "ARCHITECTURAL WOODWORK QUALITY STANDARDS" OF THE ARCHITECTURAL WOODWORK INSTITUTE FOR THE GRADE OR GRADES SPECIFIED.
- CERTIFICATION AND STAMPS WILL NOT BE REQUIRED.

1.03 DELIVERY, STORAGE AND HANDLING:

- DELIVERY:
 - DELIVER DOORS TO SITE AFTER BUILDING HAS REACHED AVERAGE PREVAILING HUMIDITY OF ITS LOCALITY.
 - DELIVER DOORS IN MANUFACTURER'S NAME, BRAND NAME, SIZE, THICKNESS, AND IDENTIFYING SYMBOL ON THE COVERING.
 - SEAL ALL FOUR EDGES OF THE UNFINISHED DOORS WHEN DELIVERED TO THE JOB SITE.
- STORAGE:
 - STACK DOOR FLAT ON 2 X 4 LUMBER, LAID 12" FROM ENDS AND ACROSS CENTER.
 - UNDER BOTTOM DOOR AND OVER TOP OF STACK, PROVIDE PLYWOOD OR CORRUGATED CARDBOARD TO PROTECT DOOR SURFACES.
 - STORE DOORS IN AREA WHERE THERE WILL BE NO GREAT VARIATIONS IN HEAT, DRYNESS, AND HUMIDITY.

PART TWO - PRODUCTS

- PROVIDE SOLID FLUSH WOOD DOORS OF THE TYPES, DESIGNS, AND THICKNESS SHOWN ON THE DRAWINGS, LABELED OR NON-LABELED AS INDICATED AND REQUIRED, AND IN SOLID CORE OR HOLLOW CORE SHOWN ON THE DRAWINGS. APPROVED MFGRS: HALEY BROTHERS, MARSHFIELD, VT INDUSTRIES, MOHAWK, CRAFTMASTER.
 - GRADE EXCEPT AS MAY BE SHOWN OTHERWISE ON THE DRAWINGS, FABRICATE THE WORK OF THIS SECTION TO "CUSTOM GRADE" STANDARDS OF THE REFERENCED ORGANIZATIONS.
 - FOR HOLLOW CORE DOORS, PROVIDE CORE CONSTRUCTION AS NEEDED TO ACCOMMODATE FINISH HARDWARE.
 - SPECIES:
 - WHERE PAINT GRADE OR OPAQUE FINISH ARE CALLED FOR ON THE DRAWINGS, PROVIDE BIRCH OR MAPLE FACES FOR OPAQUE FINISH.
 - FOR ALL OTHER FLUSH WOOD DOORS, PROVIDE ROTARY CUT WHITE BIRCH FACES FOR TRANSPARENT FINISH.
- C. DO NOT DRAG DOORS ACROSS ONE ANOTHER; LIFT DOORS AND CARRY THEM INTO POSITION.

PART THREE - EXECUTION

3.01 SURFACE CONDITIONS: EXAMINE THE AREAS AND CONDITIONS UNDER WHICH THE WORK OF THIS SECTION WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL SATISFACTORY CONDITIONS ARE CORRECTED.

3.02 INSTALLATION:

- FITTING AND MATCHING:
 - UNLESS DOORS ARE COMPLETELY FITTED AND MACHINED AT THE MILL, FIT THEM FOR WIDTH BY PLANING AND FIT THEM FOR HEIGHT BY SAWING.
 - BOTTOM: 1/2" CLEARANCE MAXIMUM.
 - TOP: 1/4" CLEARANCE MINIMUM. LOCK EDGE AND HINGE EDGE; BEVEL 1/8" IN 2" MAXIMUM.
 - LOCK EDGE AND HINGE EDGE; BEVEL 1/8" IN 2" MAXIMUM.
 - MACHINE DOORS FOR HARDWARE IN ACCORDANCE WITH RECOMMENDATIONS OF THE HARDWARE MANUFACTURERS, AS THOSE RECOMMENDATIONS HAVE BEEN APPROVED BY THE ARCHITECT.
- RECEIVE AND RETAIN CUSTODY OF FINISH HARDWARE FURNISHED FOR THE WORK OF THIS SECTION EXCEPT AS OTHERWISE DIRECTED BY THE ARCHITECT. INSTALL ALL SUCH FINISH HARDWARE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF ITS MANUFACTURER.
- REPLACE OR RE-HANG DOORS WHICH ARE HINGE BOUND AND DO NOT SWING OR OPERATE FREELY.

ALUMINUM FRAMING (IF REQUIRED PER DRAWINGS)
SECTION 08400

PART ONE - GENERAL

1.01 SCOPE: THE WORK OF THIS SECTION INCLUDES ALUMINUM STOREFRONT MATERIAL AND WINDOW ASSEMBLIES.

PART TWO - PRODUCTS

2.01 WINDOW FRAMING: DESIGN IS BASED ON USE OF U.S. ALUMINUM SERIES 400 FRAMING, AS INDICATED ON THE DRAWINGS. FINISH SHALL BE MFGR. STD. CLEAR ANODIZED, UNLESS NOTED OTHER. IN GENERAL, MATCH EXISTING STOREFRONT SYSTEM & FINISH. EQUAL BY KAWNEER.

2.02 ALUMINUM SPECIALTIES:

- COLUMN COVERS AND AT SILLS OF WINDOWS, .00" ANODIZED ALUMINUM, FINISH TO MATCH FRAMING.
- DRIP STRIP AT WINDOW HEADS, .032" ANODIZED ALUMINUM, FINISH TO MATCH FRAMING.

2.03 CAULKING: USE ONLY HARD ALUMINUM ALLOY OR NON-MAGNETIC STAINLESS STEEL SCREWS AND BOLTS.

2.04 FASTENERS: USE ONLY HARD ALUMINUM ALLOY OR NON-MAGNETIC STAINLESS STEEL SCREWS AND BOLTS.

PART THREE - EXECUTION

3.01 GENERAL: CAREFULLY ERECT ALL WORK PLUM, TRUE, SQUARE IN OPENINGS AND SECURELY ANCHOR IN PLACE. PROTECT ALUMINUM SURFACES FROM CONTACT WITH STEEL OR MASONRY WITH TWO COATS OF ZINC CHROMATE PAINT.

3.02 FRAMING INSTALLATION: INSTALL WINDOW FRAMING AS INDICATED ON THE DRAWINGS. SET ON POLYSULFIDE CAULKING BEAD, AND SECURELY ATTACH TO WOOD SUB-FRAME.

FINISH HARDWARE
SECTION 08700

1.01 WORK INCLUDED: INSTALLATION OF FINISH HARDWARE IS COVERED UNDER SECTION 08200. FURNISH ALL FINISH HARDWARE AND RELATED ITEMS NECESSARY TO COMPLETE THE WORK.

1.02 PRODUCT HANDLING: INDIVIDUALLY PACKAGE EACH UNIT OF FINISH HARDWARE COMPLETE WITH PROPER FASTENINGS AND APPURTENANCES, CLEARLY IDENTIFIED.

1.03 GUARANTEE: ANY HARDWARE, WHICH PROVES TO BE DEFECTIVE OR FAULTY WITHIN A PERIOD OF ONE YEAR, SHALL BE REPLACED AT NO COST TO THE OWNER.

PART TWO - PRODUCTS

2.01 GENERAL:

- FURNISH HARDWARE IN ACCORDANCE WITH HARDWARE SCHEDULE. FURNISH EACH KIND OF HARDWARE FROM ONLY ONE MANUFACTURER.
- FINISHES OF ALL HARDWARE SHALL MATCH THE FINISH OF THE LOCKSETS, UNLESS OTHERWISE SCHEDULED.
- FURNISH NON-REMOVABLE PINS AT OUT SWINGING EXTERIOR DOORS.
- CLOSERS: SIZE THE CLOSERS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS. FURNISH SET BOLTS FOR CLOSERS TO BE MOUNTED IN PARTICLE BOARD OF MINERAL CORE DOORS.
- DOOR SILENCERS: FURNISH THREE SILENCERS FOR EACH STEEL DOOR FRAME.
- HAND OF DOOR: THE DRAWINGS SHOW THE SWING OF EACH DOOR LEAF. FURNISH EACH ITEM OF HARDWARE FOR PROPER INSTALLATION AND OPERATION OF THE DOOR SWING AS SHOWN.
- FASTENERS: FURNISH ALL NECESSARY SCREWS, BOLTS, AND OTHER FASTENERS OF SUITABLE SIZE AND TYPE ACCORDING TO THE MATERIAL TO WHICH THE HARDWARE IS TO BE APPLIED AND THE RECOMMENDATIONS OF THE HARDWARE MANUFACTURER. ALL FASTENINGS SHALL HARMONIZE WITH THE HARDWARE AS TO MATERIAL AND FINISH.

2.02 KEYING: KEY LOCKS IN DOORS INDIVIDUALLY. FURNISH 2 KEYS PER LOCK.

DIVISION 9 - FINISHES

GYPSUM DRYWALL
SECTION 09250

PART ONE - GENERAL

1.01 SCOPE: THIS SECTION INCLUDES MATERIALS, INSTALLATION AND FINISHING OF JOINTS FOR GYPSUM DRYWALL WALLS AND CEILING.

1.02 MATERIAL HANDLING: DELIVER ALL MATERIALS IN ORIGINAL UNOPENED PACKAGES AND STORE IN AN ENCLOSED SHELTER PROVIDING PROTECTION FROM DAMAGE AND EXPOSURE TO THE ELEMENTS. REMOVE DAMAGED OR DETERIORATED MATERIALS FROM THE PREMISES.

1.03 JOB CONDITIONS: IN COLD WEATHER AND DURING GYPSUM PANEL APPLICATION AND JOINT FINISHING, MAINTAIN TEMPERATURES WITHIN THE BUILDING WITHIN THE RANGE OF 50 TO 70 F. PROVIDE ADEQUATE VENTILATION TO REMOVE EXCESS MOISTURE.

1.04 RELATED WORK: WOOD FRAMING IS INCLUDED IN SECTION 06100. STEEL STUD FRAMING IS INCLUDED IN SECTION 05400.

PART TWO - PRODUCTS

2.01 GYPSUM BOARD: TAPERED EDGE, THICKNESS AS INDICATED ON DRAWINGS, BY GOLD BOND OR EQUAL. USE REGULAR 5/8" BOARD SUBSTRATE FOR ALL WET WALL LOCATIONS. INSTALL 5/8" DUROCK CEMENT BOARD BY USG, AT DEMISING WALLS LOWER 12" - SEE PLAN DETAILS.

2.02 FASTENERS: FOR ATTACHMENT OF GYPSUM BOARD PANELS TO WOOD FRAMING AND STEEL STUD FRAMING, USE BUGLE HEAD DRYWALL SCREWS EQUAL TO GOLD BOND, OF SPACING PER MANUFACTURER'S RECOMMENDATIONS.

1.03 PRODUCT HANDLING: DELIVER PACKAGED MATERIALS AND STORE IN ORIGINAL CONTAINERS WITH SEALS UNBROKEN AND LABELS INTACT UNTIL TIME OF USE.

1.04 JOB CONDITIONS: MAINTAIN ENVIRONMENTAL CONDITIONS AND PROTECT WORK DURING AND AFTER INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

PART TWO - PRODUCTS

2.01 TILE PRODUCTS: AS SPECIFIED IN THE DRAWINGS

2.02 GROUT: AS SPECIFIED ON THE DRAWINGS

PART THREE - EXECUTION

- 3.01 TILE INSTALLATION STANDARDS:
 - COMPLY WITH APPLICABLE REQUIREMENTS OF THE FOLLOWING AMERICAN NATIONAL STANDARDS INSTITUTE STANDARDS.
 - A108.4 FOR TILE INSTALLED WITH ORGANIC ADHESIVE.
 - A109.5 FOR TILE INSTALLED WITH DRY-SET PORTLAND CEMENT MORTAR OR LATEX PORTLAND CEMENT MORTAR.
 - A109.6 FOR TILE INSTALLED WITH EPOXY ADHESIVE.
 - COMPLY WITH MANUFACTURER'S INSTRUCTION FOR MIXING AND INSTALLATION OF PROPRIETARY MATERIALS.
- 3.02 INSTALLATION:
 - EXTEND TILE WORK INTO RECESSES AND UNDER OR BEHIND EQUIPMENT AND FIXTURES, TO FORM A COMPLETE COVERING WITHOUT INTERRUPTIONS.
 - ACCURATELY FORM INTERSECTIONS AND RETURNS. PERFORM CUTTING AND DRILLING OF TILE WITHOUT MARKING VISIBLE SURFACES. CAREFULLY GRIND CUT EDGES OF TILE ABUTTING TRIM, FINISH OR BUILT-IN ITEMS FOR STRAIGHT ALIGNED SURFACES.
 - INSTALL TILE USING THE FOLLOWING SETTING BEDS AS SHOWN OR SCHEDULED.
 - QUARRY TILE FLOORS: DRY-SET PORTLAND CEMENT MORTAR OR LATEX-PORTLAND CEMENT MORTAR OVER CONCRETE.
 - GLAZED WALL TILE: ORGANIC ADHESIVE.
 - QUARRY TILE FLOORS IN COOLER/FREEZER: SET WITH EPOXY ADHESIVE.
 - UNLESS OTHERWISE SHOWN, LAY TILE IN GRID PATTERN. ALIGN JOINTS WHEN ADJOINING TILES ON FLOOR, BASE, WALLS AND TRIM AREA SAME SIZE. LAYOUT TILE WORK AND CENTER TILE FIELDS IN BOTH DIRECTIONS IN EACH SPACE. ADJUST TO MINIMIZE TILE CUTTING. PROVIDE UNIFORM JOINT WIDTHS, UNLESS OTHERWISE SHOWN.
 - INSTALL EXPANSION JOINTS MAXIMUM 16' - O.C. IN EACH DIRECTION.

3.03 CLEANING AND PROTECTION:

- UPON COMPLETION OF PLACEMENT AND GROUTING, CLEAN ALL TILE SURFACES SO THEY ARE FREE OF FOREIGN MATTER.
- LEAVE FINISHED INSTALLATION CLEAN AND FREE OF CRACKED, CHIPPED, BROKEN, UN-BONDED OR OTHERWISE DEFECTIVE TILE WORK.
- PROHIBIT FOOT AND WHEEL TRAFFIC FROM USING TILE FLOORS FOR AT LEAST THREE (3) DAYS AFTER GROUTING IS COMPLETED.
- COVER ALL TILE FLOORS WITH "KRAFT PAPER" IN ALL AREAS AND DO NOT REMOVE THE PAPER UNTIL FINAL CLEAN UP AT COMPLETION OF CONSTRUCTION.

LAY-IN CEILING
SECTION 09500

PART ONE - GENERAL

1.01 SCOPE: FURNISH LABOR, EQUIPMENT, AND MATERIALS TO COMPLETE THE INSTALLATION OF ALL LAY-IN CEILING MATERIALS AND SUSPENSION SYSTEMS.

1.02 SUBMITTALS: COMPLY WITH SECTION 10750. SUBMIT SAMPLES FOR APPROVAL.

1.03 JOB CONDITIONS: NO WORK IS TO BE STARTED UNTIL ALL EXTERIOR OPENINGS ARE CLOSED IN. ALL WET WORK SHALL BE COMPLETED AND DRIED BEFORE WORK IS STARTED.

PART TWO - MATERIALS

2.01 CEILING PANELS: COLOR, TYPE, PATTERN, SIZE, ETC., AS SCHEDULED AND SHOWN ON THE DRAWINGS. EXPOSED GRID SUSPENSION SYSTEM. CHIGO METALLIC NO 200 SERIES SNAP GRID SYSTEM WITH WALL ANGLES, NO. 1409, LO-GLOSS WHITE BAKED ENAMEL PAINT FINISH. EQUAL BY ARMSTRONG, PRELU

PART THREE - EXECUTION

3.01 INSTALLATION: IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTION, SUSPEND MAIN TEES IN PLACE AT EVERY INTERSECTION WITH MAIN RUNNERS, AND WALL ANGLES WITH ENDS OF TEES RESTING ON BOTTOM FLANGE. SECURE WALL ANGLES TO SUBSTRATE WITH EXTRA ANGERS IF REQUIRED. SUSPEND SURFACE FROM BUILDING STRUCTURE AND PULL TIGHTLY AGAINST CEILING. COORDINATE WITH THE ELECTRICAL CONTRACTOR REGARDING SUSPENSION OF ELECTRICAL CEILING FIXTURES FROM THE CEILING SUSPENSION.

3.02 CLEAN-UP: AT COMPLETION OF THE WORK, REMOVE ALL SCAFFOLDING, CONTAINERS AND OTHER RUBBISH FROM THIS PORTION OF THE WORK FROM THE SITE. LEAVE ALL TILE SUPPORTING MEMBERS FIRMLY AND SECURELY ANCHORED, FREE OF FINGER MARKS OR SMUDGES AND IN PERFECT CONDITION.

DIVISION 10 - SPECIALTIES

CORNER GUARDS (IF REQUIRED PER DRAWINGS)
SECTION 10260

1.01 SCOPE: FURNISH LABOR, EQ

1.02 SUBMITTALS: COMPLY WITH SECTION 10750. SUBMIT SAMPLES FOR APPROVAL. DE 5/8"

PART TWO - MATERIALS

2.01 CORNER GUARDS:

- APPROXIMATE SIZE SHALL BE 2" X 2" FULL HEIGHT. COLOR SHALL BE WHITE OR CLEAR TO MATCH ADJACENT WALL FINISHES. VERIFY COLOR WITH CONSTRUCTION MANAGER.

- PROVIDE RUBBER OR VINYL CORNER GUARDS BY ONE OF THE FOLLOWING MANUFACTURERS OR OWNER APPROVED SUBSTITUTIONS.
 - ICHNOSNITE, MIDDLEFIELD, OHIO (216-543-8916)
 - KOPPE FOSTORIA, OHIO (419-436-8546)
 - KC MUSSION RUBBER CO. - AKRON, OHIO (216-773-7651)
 - MEKZER PRODUCTS COMPANY, INC. - ORLANDO, FLORIDA (407-578-2900)
- PROVIDE STAINLESS STEEL CORNER GUARDS (IF REQUIRED PER DRAWINGS) BY ONE MANUFACTURER'S ALIKE AND AS FOLLOWS: PROVIDE APPROXIMATELY 2" X 2" BY FULL WALL HEIGHT STAINLESS STEEL CORNER GUARDS AT LOCATIONS AS SHOWN ON THE DRAWINGS BY ONE OF THE FOLLOWING MANUFACTURERS OR OWNER APPROVED SUBSTITUTIONS:
 - K.J. MILLER CORPORATION, ELKHARD, IN (800-34-7584)
 - PAWLING CORPORATION, PAWLING, NY (914-895-1005)
 - AMERICAN FLOOR PRODUCTS CO., INC. ROCKVILLE, MD (800-342-0424)
 - MCININNEY/PARKER DIVISION, SCRANTON, PA (717-349-7551) OR (415-282-7800)

PART THREE - EXECUTION

3.01 GENERAL: INSTALL CORNER GUARDS WHERE NOTED ON THE DRAWINGS AND PER MANUFACTURER'S WRITTEN INSTRUCTION.

PEST CONTROL
SECTION 10290

PART ONE - GENERAL

1.01 SCOPE: FURNISH LABOR, EQUIPMENT AND MATERIALS TO COMPLETE THE APPLICATION OF INSECTICIDE.

1.02 SUBMITTALS: COMPLY WITH SECTION 10750. SUBMIT SAMPLES FOR APPROVAL.

PART TWO - MATERIALS

2.01 PEST CONTROL PRODUCT: PERMA - DUST PT240 BORIC - ACID - BASED INSECTICIDE BY WHITMIRE RESEARCH LABORATORIES INC., ST. LOUIS, MO (314-225-5715), OR OWNER APPROVED SUBSTITUTION.

PART THREE - EXECUTION

3.01 GENERAL: APPLY AT THE RATE OF 150 SQUARE FEET PER 20 OZ., AEROSOL CAN TO FLAT SIDES OF STUDS OF PERIMETER WALLS, INSIDE OF PERIMETER WALL SHEATHING TOP SIDE OF GYPSUM BOARD CEILING MATERIALS AND ALL OTHER AREAS (IF ANY) INDICATED ON THE DRAWINGS. APPLY JUST PRIOR TO COVERING OR ENCLLOSING. APPLY IN STRICT CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.

TILE BACKER BOARD
SECTION 10310

PART ONE - GENERAL

1.01 SCOPE: FURNISH LABOR, EQUIPMENT AND MATERIALS TO COMPLETE THE INSTALLATION OF CEMENTIOUS TILE BACKER BOARD.

1.02 SUBMITTALS: COMPLY WITH SECTION 10750. SUBMIT SAMPLES FOR APPROVAL.

PART TWO - MATERIALS

2.01 CEMENTIOUS TILE BACKER BOARD; DUROCK CEMENT BOARD - 5/8" THICK - UNITED STATES GYPSUM COMPANY, P.O. BOX 806279, CHICAGO, IL 60680-4124.

PART THREE - EXECUTION

3.01 GENERAL: APPLY IN LOCATIONS AS DIRECTED IN SECTIONS AND DETAILS. USE POSITIVE ATTACHMENT OF BUGLE HEAD DRYWALL SCREWS.

EXTERIOR SIGNAGE
SECTION 10430

PART ONE - GENERAL

1.01 SCOPE: FURNISH LABOR, EQUIPMENT AND MATERIALS TO COMPLETE THE INSTALLATION OF ALL EXTERIOR SIGNAGE.

PART TWO - MATERIALS

2.01 EXTERIOR SIGNAGE:

- OWNER SHALL SUPPLY ALL EXTERIOR SIGNAGE. INSTALLATION OF SIGNAGE BY THIRD PARTY.
- CONTRACTOR SHALL COORDINATE ELECTRICAL INSTALLATION AND FINAL ELECTRICAL CONNECTIONS FOR EXTERIOR SIGNAGE UNLESS OTHERWISE INDICATED.

INTERIOR SIGNAGE (IF REQUIRED PER DRAWINGS)
SECTION 10440

PART ONE - GENERAL

1.01 SCOPE: FURNISH LABOR, EQUIPMENT AND MATERIALS TO COMPLETE THE INSTALLATION OF ALL INTERIOR SIGNAGE.

PART TWO - MATERIALS

2.01 INTERIOR SIGNAGE:

- OWNER SHALL SUPPLY ALL INTERIOR SIGNAGE, INSTALLATION OF SIGNAGE BY THIRD PARTY
- CONTRACTOR SHALL SUPPLY AND INSTALL ALL REQUIRED BLOCKING IN WALLS AS REQUIRED.
- CONTRACTOR SHALL COORDINATE ELECTRICAL INSTALLATION AND FINAL ELECTRICAL CONNECTIONS FOR INTERIOR SIGNAGE UNLESS OTHERWISE INDICATED.

FIRE EXTINGUISHERS
SECTION 10620

PART ONE - GENERAL

1.01 SCOPE: FURNISH LABOR, EQUIPMENT AND MATERIALS TO COMPLETE THE INSTALLATION OF ALL FIRE EXTINGUISHERS.

PART TWO - MATERIALS

2.01 FIRE EXTINGUISHERS: FIRE EXTINGUISHERS SHALL BE MULTIPURPOSE DRY CHEMICAL TYPE RATE 4-A, 60-BC, 10LB. NORMAL CAPACITY.K IN ENAMELED STEEL CONTAINER, FOR CLASS A, CLASS B AND CLASS C FIRES. PROVIDE MANUFACTURER'S STANDARD BRACKET FOR EXTINGUISHER UL AND FM LISTED UNIT AS MANUFACTURED BY ONE OF THE FOLLOWING:

- J.L. INDUSTRIES
- LARSEN'S MANUFACTURING COMPANY
- MUCKLE MANUFACTURING DIVISION OF TECHNICO, INC.
- PROFILE INTERNATIONAL, INC.
- BADGER

PART THREE - EXECUTION

3.01 GENERAL: CONTRACTOR SHALL INSTALL FIRE EXTINGUISHERS AS INDICATED ON THE DRAWINGS OR IF NOT INDICATED ON THE DRAWINGS, AS DIRECTED BY THE LOCAL FIRE MARSHAL TO COMPLY WITH APPLICABLE GOVERNING REGULATIONS.

TOILET ACCESSORIES
SECTION 10800

PART ONE - GENERAL

1.01 SCOPE: THE WORK IN THIS SECTION INCLUDES ACCESSORIES IN TOILETS.

PART TWO - MATERIALS

2.01 ACCESSORIES: PROVIDE TOILET ACCESSORIES TO MEET AMERICANS WITH DISABILITIES ACT

PART THREE - EXECUTION

3.01 INSTALLATION: ERECT ITEMS IN A RIGID SUBSTANTIAL MANNER, IN CORRECT POSITIONS, AND LEVEL & PLUM. FULLY TRIM IN WHERE REQUIRED. INSTALL TOILET ACCESSORIES PER ADAAG GUIDELINES.

DIVISION 11 - EQUIPMENT

FOOD SERVICE EQUIPMENT

SECTION 1400ACCESSIBILITY GUIDELINES (ADAAG) AS SHOWN ON THE DRAWINGS AND OR OWNER APPROVED

PART ONE - GENERAL

1.01 SCOPE:

- WHERE FIXED FOOD SERVICE EQUIPMENT ABUTS OTHER EQUIPMENT OR CONSTRUCTION, SEAL RESULTING JOINT TO MAKE IT SANITARY FOR CLEANING PURPOSES. PROVIDE BACKER ROD WHERE REQUIRED. USE ONLY RTV ADHESIVE/SEALANT APPROVED BY NSF FOR USE IN FOOD ZONES. PRODUCTS MEETING THIS REQUIREMENT INCLUDE THE FOLLOWING:
 - SILASTIC 732 DOW CORNING CORPORATION, MIDLAND, MI (517-496-6000)
 - SILTE DEVCON CORPORATION, DANVERS, MA (817-777-1001)
 - RTV00 SERIES: GENERAL ELECTRIC COMPANY, WATERFORD, NY (516-266-2315)
- CLEAN AND PRIME OR SPOT PRIME SURFACES TO RECEIVE SEALANT AS REQUIRED. COLOR TO BE CLEAR OR TO MATCH ADJACENT SURFACES.
- ITEMS REQUIRING SEALANT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
 - MOP SINK
 - THREE COMPARTMENT SINK
 - PREP SINK
 - HAND SINKS
 - INSIDE AND OUTSIDE WALK-IN COOLER
 - EXHAUST HOOD

DIVISION 12 - FURNISHINGS (NOT USED)

DIVISION 13 - SPECIAL CONSTRUCTION (NOT USED)

DIVISION 14 - CONVEYING SYSTEMS - MASONRY (NOT USED)

DIVISION 15 - MECHANICAL (SEE MECHANICAL DRAWINGS)

DIVISION 16 - ELECTRICAL (SEE ELECTRICAL DRAWINGS)

SPECIAL INSTRUCTIONS - DIVISIONS AND SITE CONDITIONS

JOB LOCATION AND DIMENSIONS: BEFORE DOING ANY SUCH WORK OR ORDERING MATERIALS DEFENDANT FOR PROPER LOCATION OR SIZE OF INSTALLATION UNDER COORDINATION WITH BUILDING CONDITIONS, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS BY TAKING LINES AND MEASUREMENTS AT THE SITE AND SHALL BE RESPONSIBLE FOR CORRECTNESS OF SAME. NO CONSIDERATION WILL BE GIVEN ANY CLAIM BASED ON DIFFERENCES BETWEEN ACTUAL LOCATIONS AND DIMENSIONS AND THOSE SHOW ON THE DRAWINGS.

LAYING OUT OF THE WORK: BEFORE COMMENCING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL GRADES, LINES, VOLTAGES, MECHANICAL CHASES, PLUMBING WASTE & SUPPLY LINES, ROOF CONDITIONS, STRUCTURAL ELEMENTS, LEVELS AND DIMENSIONS AS INDICATED ON THE DRAWINGS. HE SHALL REPORT ANY ERRORS AND INCONSISTENCIES IN THEM BEFORE BEGINNING ANY WORK.

CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL CONSTRUCTION LINES, LEVELS AND GRADES, AND DIMENSIONS AS INDICATED ON THE DRAWINGS AND FOR OTHERWISE FULLY & COMPLETELY LAYING OUT ALL WORK UNDER THE CONTRACT.

DRAWINGS AND SPECIFICATIONS: THE DRAWINGS ARE PRESUMABLY CORRECT BUT THE CONTRACTOR SHALL CHECK ALL FIGURES AND NOTIFY THE DESIGNER IF ANY ERRORS ARE DISCOVERED THEREIN. IF ANY DISPUTES ARISE AS TO THE TRUE INTENT AND MEANING OF THE DRAWINGS AND OR SPECIFICATIONS, SAME SHALL BE REFERRED TO THE DESIGNER, WHOSE DECISION SHALL BE FINAL ON SUCH POINTS. THE FOLLOWING PRINCIPLES SHALL GOVERN THE SETTLEMENT OF DISPUTES WHICH MAY ARISE OVER DISCREPANCIES IN THE CONTRACT DOCUMENTS:

- AS BETWEEN LARGE SCALE DRAWINGS AND SMALL SCALE DRAWINGS, THE LARGER SCALE SHALL GOVERN.
- AS BETWEEN SCALE OF DRAWINGS AND WRITTEN DIMENSIONS THERE ON, THE WRITTEN DIMENSIONS SHALL GOVERN.
- AS BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE REQUIREMENTS ON THE MORE STRINGENT SHALL GOVERN.
- AS BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE CONTRACT AGREEMENT, THE REQUIREMENTS OF THE CONTRACT AGREEMENT SHALL GOVERN.

CORRELATION AND INTENT OF CONTRACT DOCUMENTS: THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND ANYTHING CALLED FOR OR SHOWN ON ANY ONE OF THE CONTRACT DOCUMENTS SHALL HAVE LIKE EFFECT AND BE AS BINDING AS IF CALLED FOR OR SHOWN ON ALL THE DOCUMENTS.



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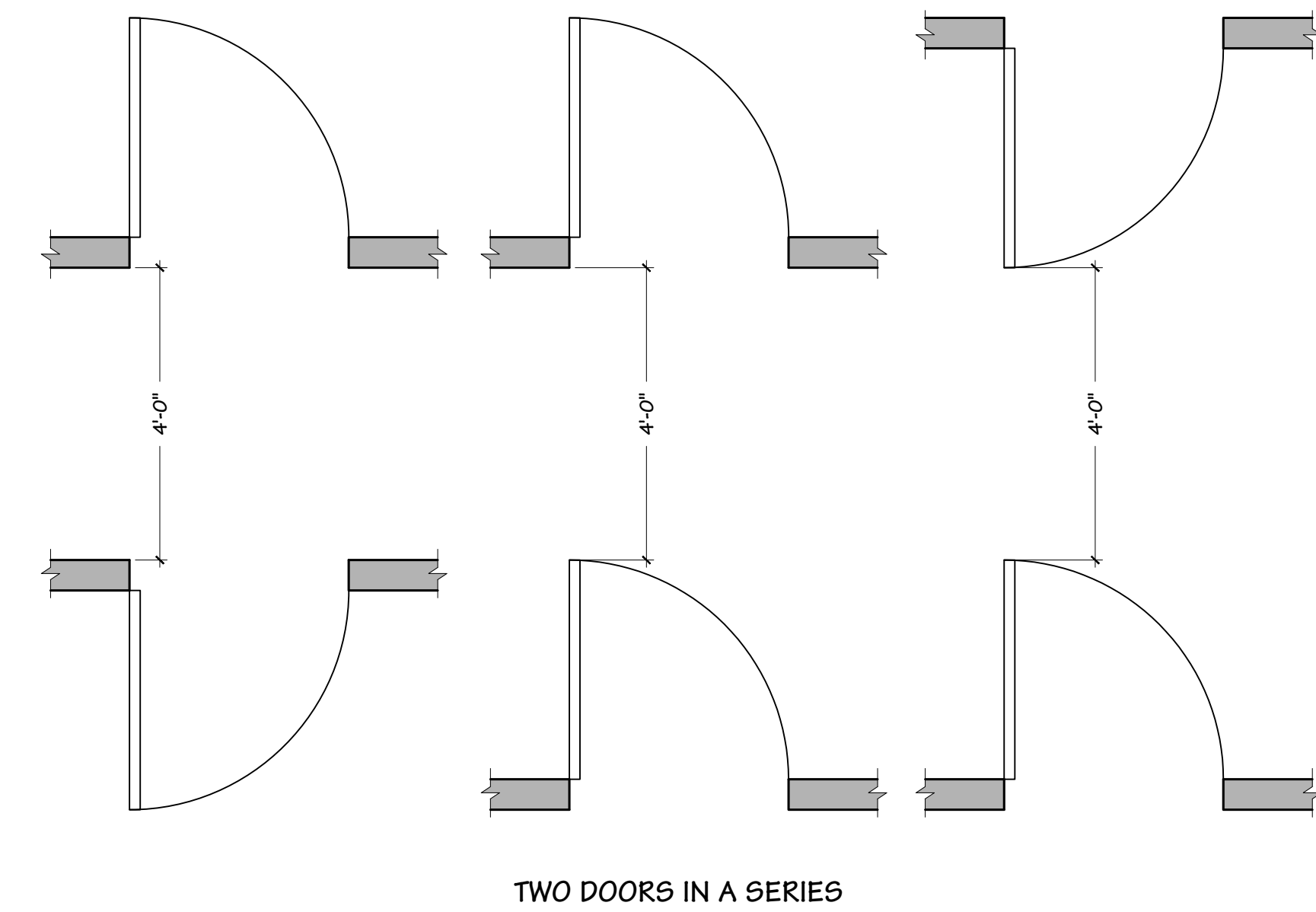
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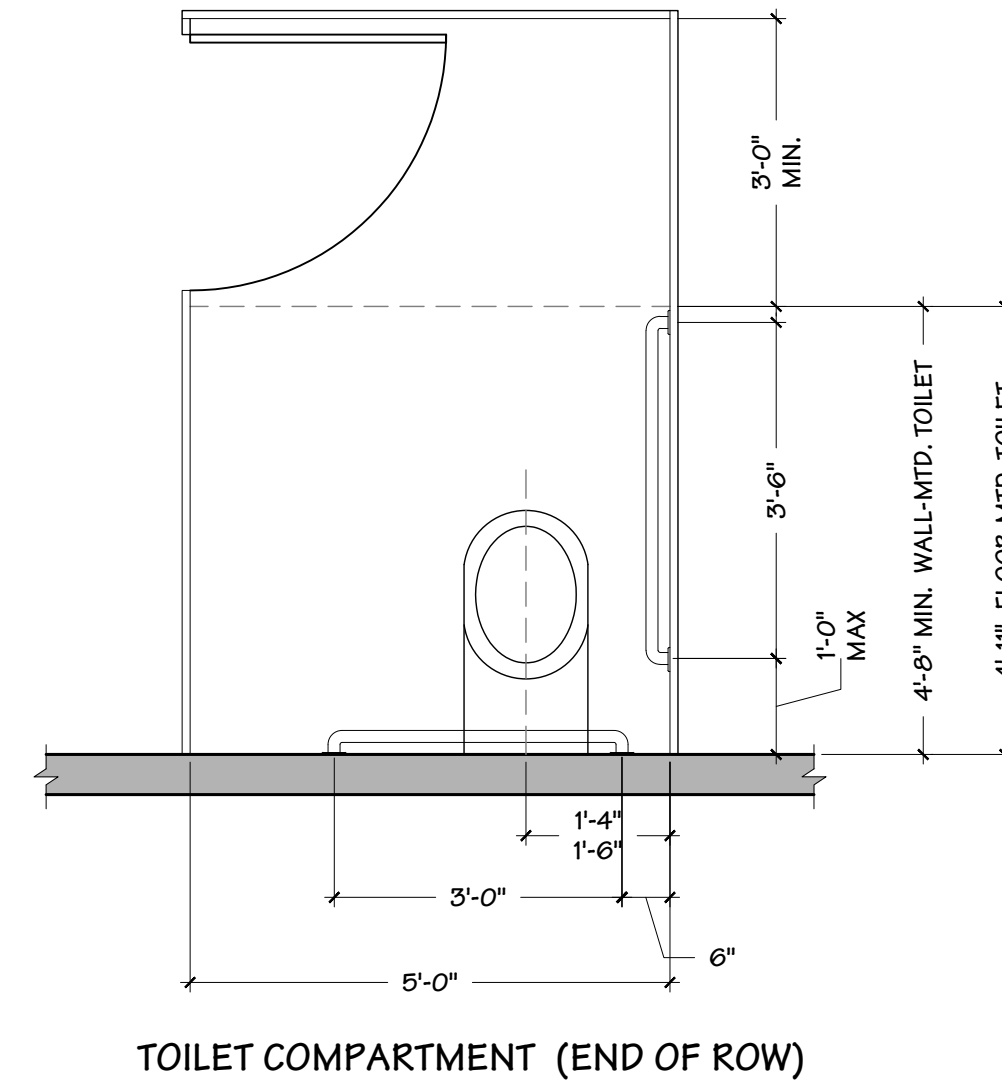
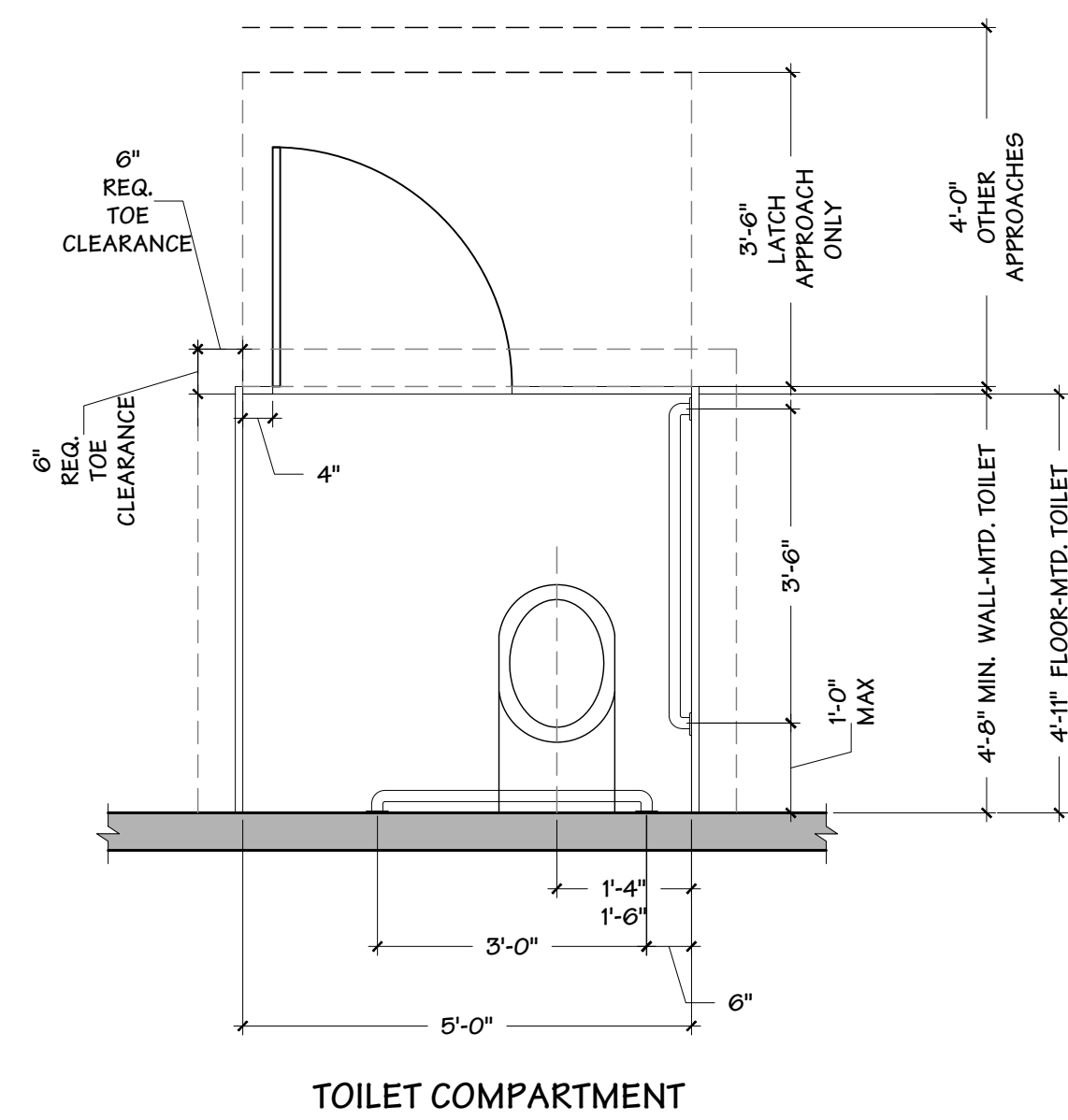
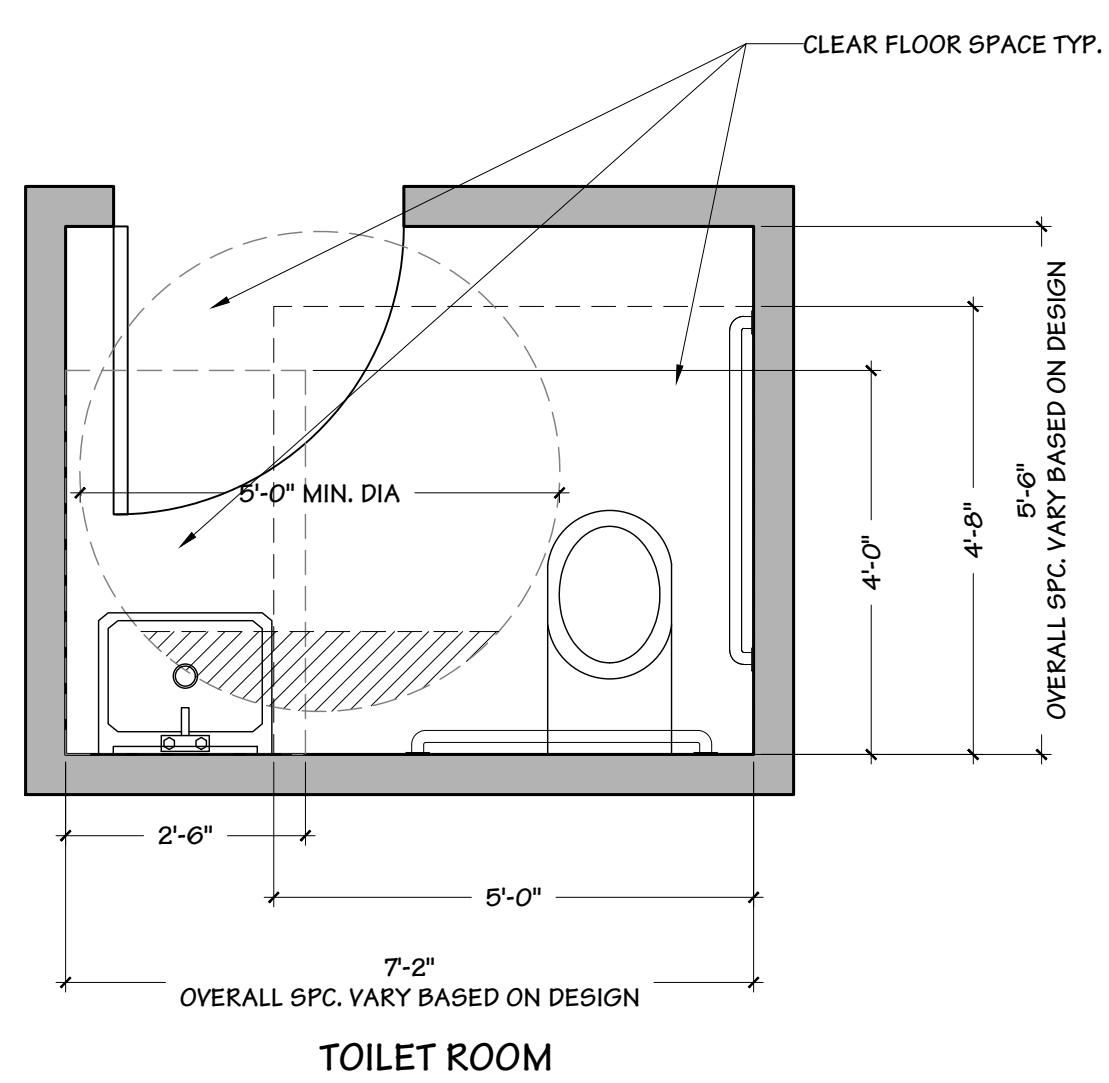
General Notes

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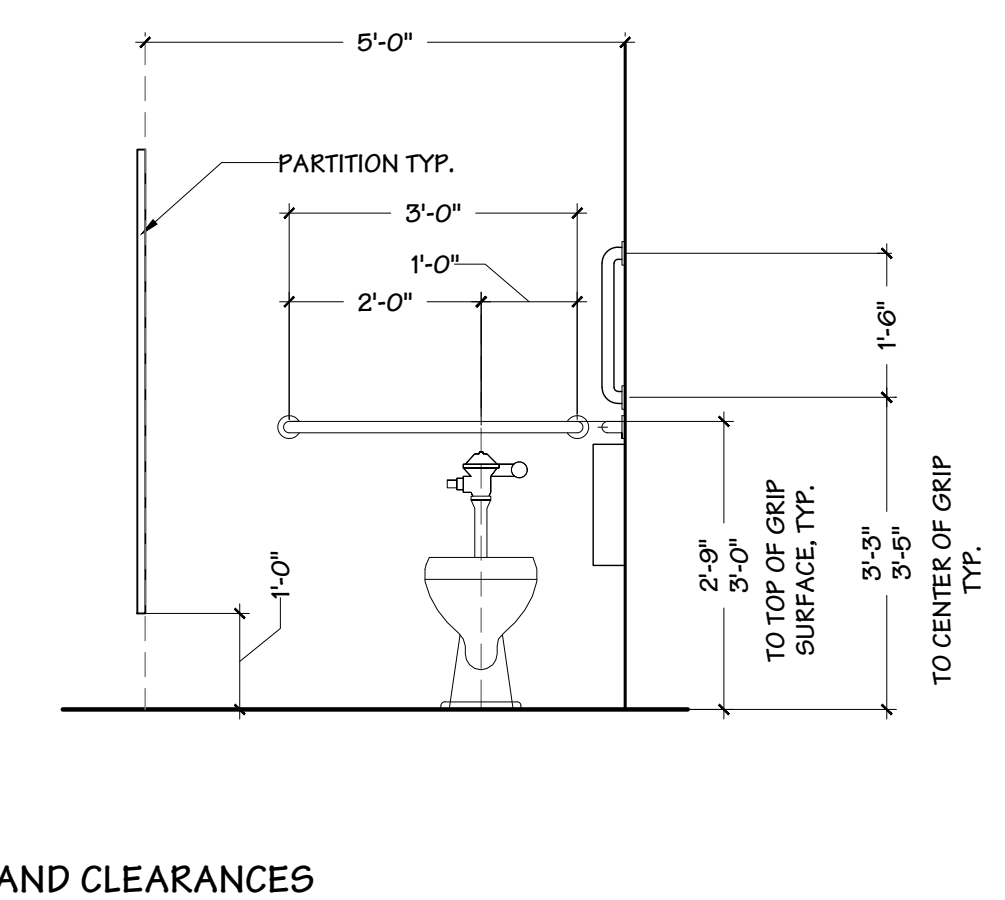
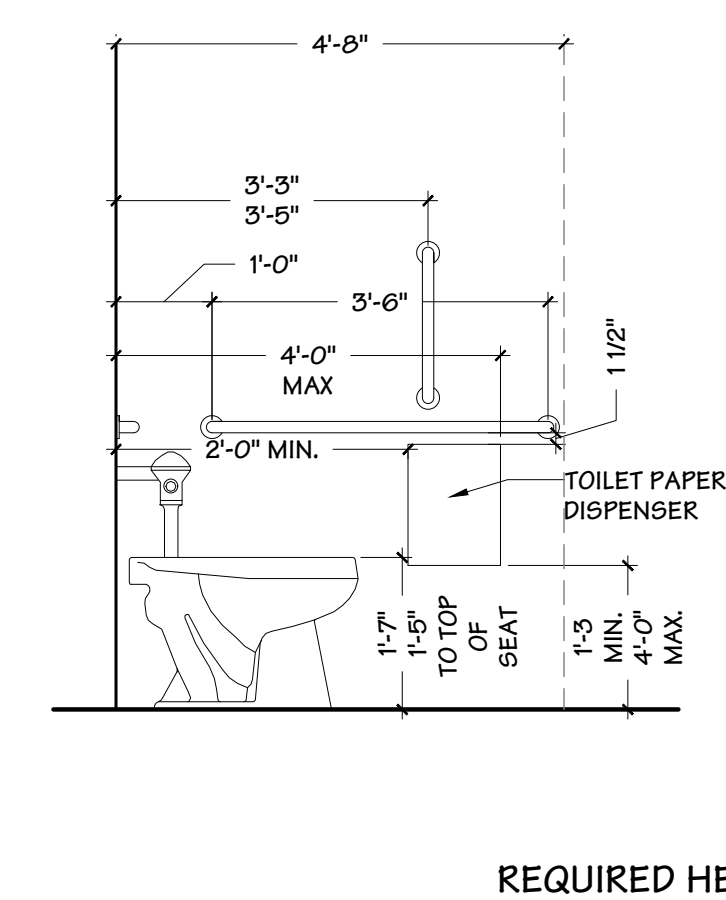
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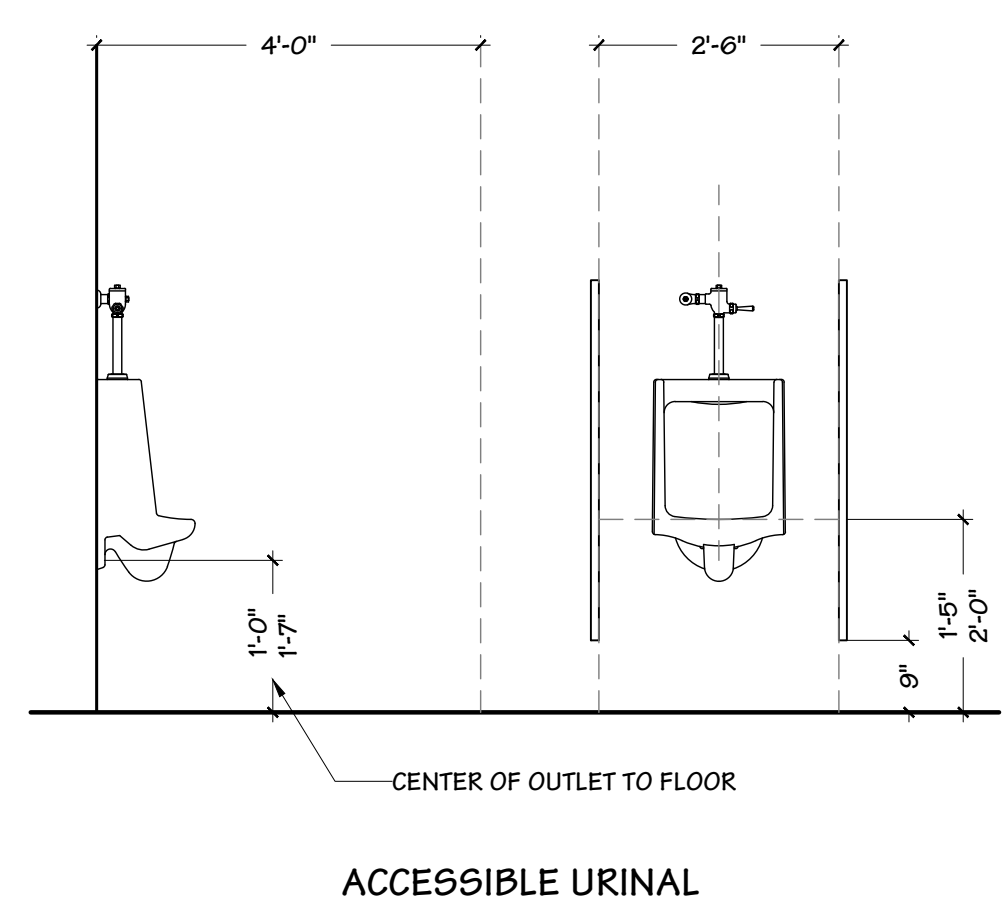
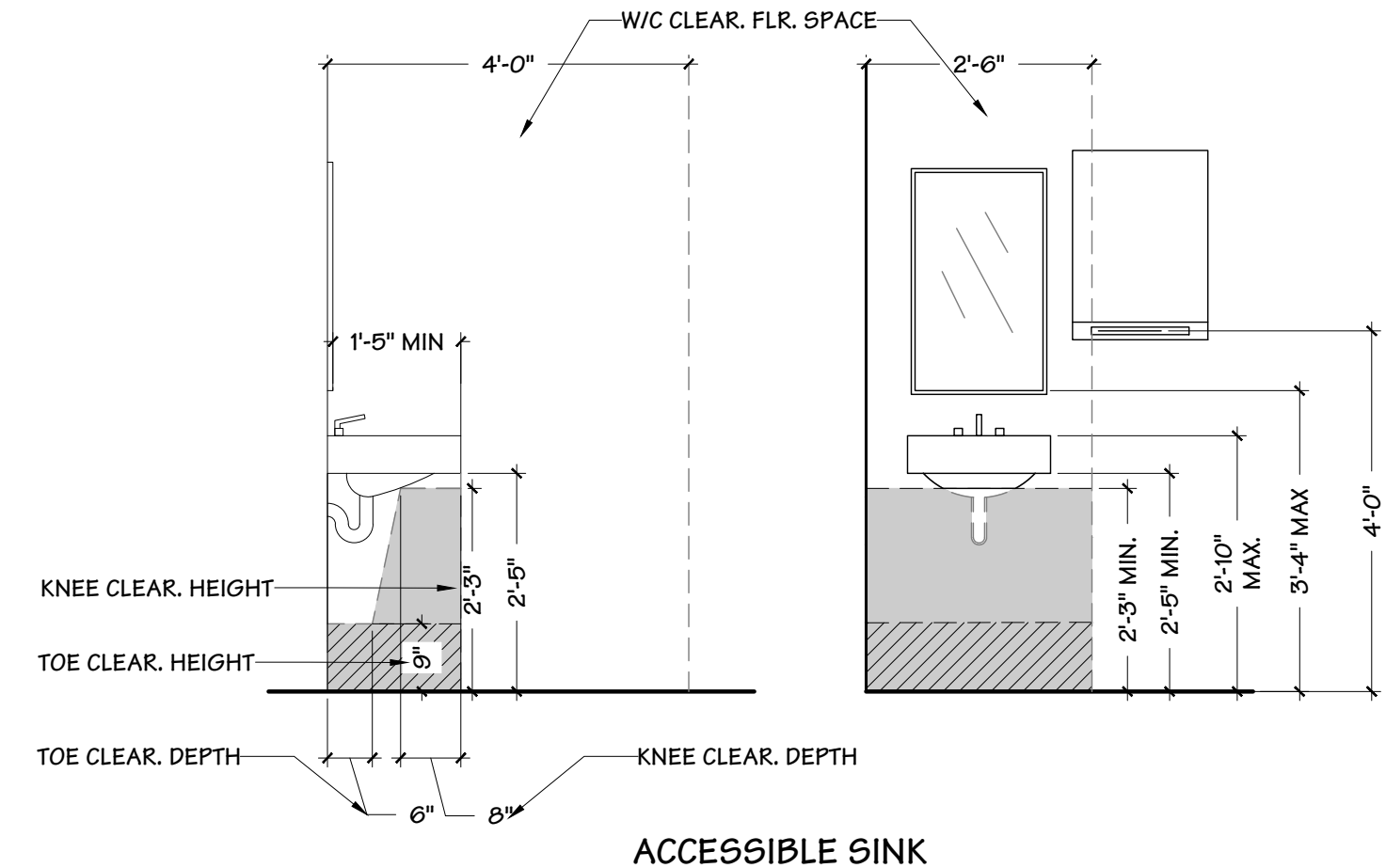
C2 ACCESSIBLE SPACE CLEARANCES



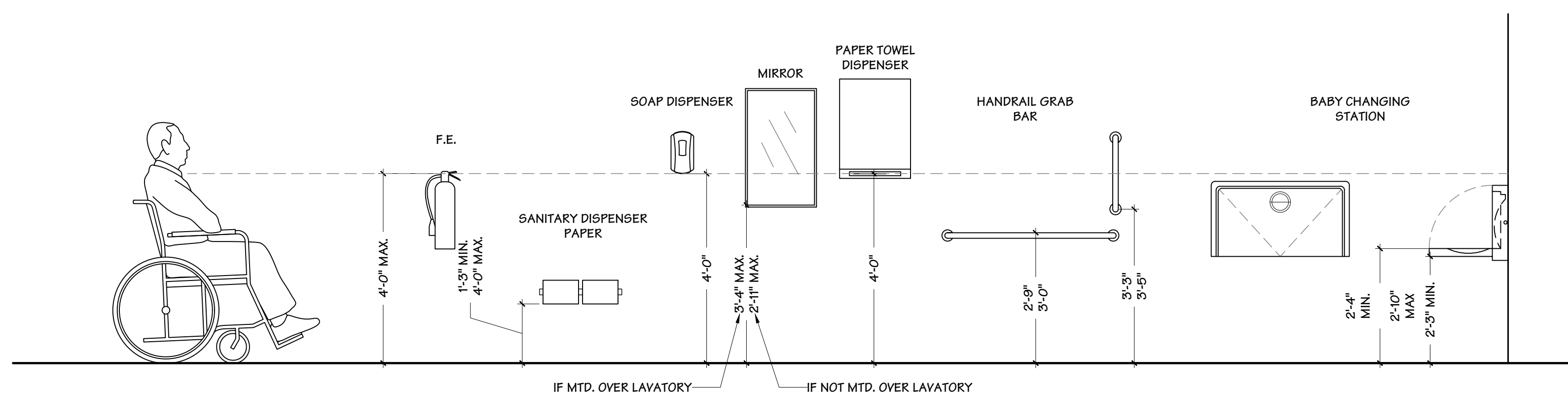
C7 ACCESSIBLE DOOR CLEARANCES
Scale: 1/2" = 1'-0"



E7 ACCESSIBLE TOILET ROOM & COMPARTMENTS



F3 ACCESSIBLE SINK & URINAL
Scale: 1/2" = 1'-0"



F7 ACCESSORIES MOUNTING HEIGHTS



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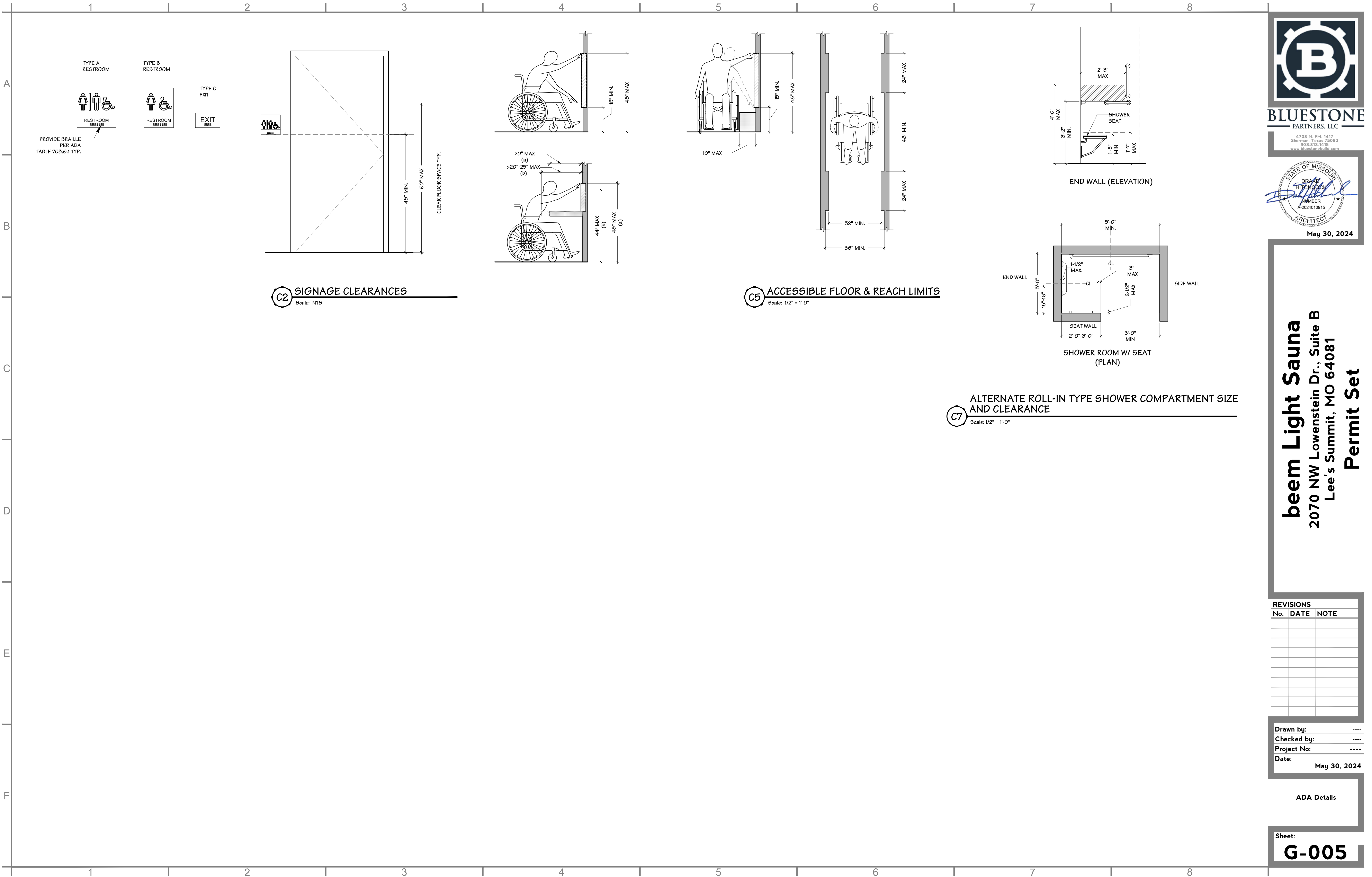
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

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ADA Details

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G-004

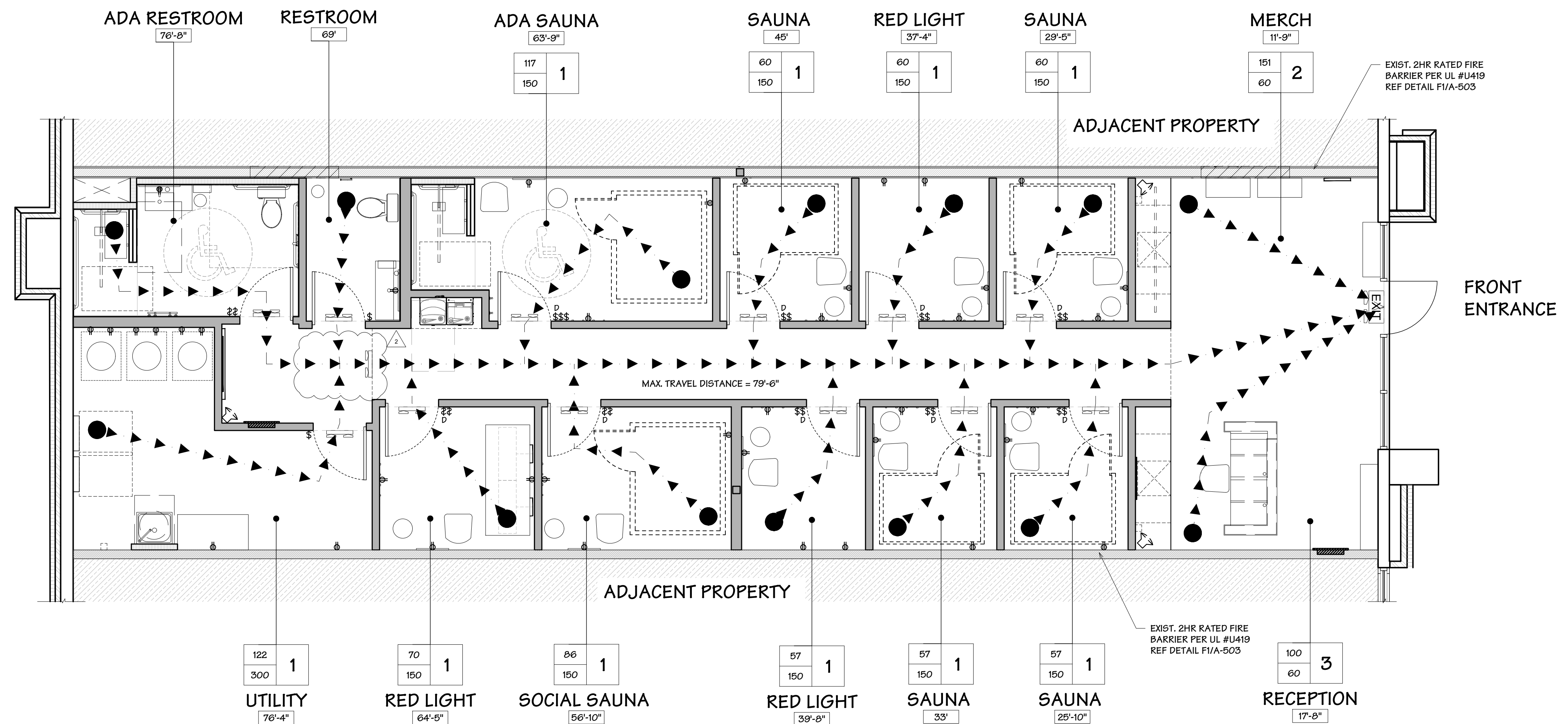


EMERGENCY / EXIT LEGEND		
SIGN	DESCRIPTION	QUANTITY
	EXIT SIGNAGE. REFER ELECTRICAL DRAWINGS	13
	EXIT SIGNAGE WITH EMERGENCY LIGHTING. REFER ELECTRICAL DRAWINGS	1
	FIRE EXTINGUISHER: 10LB ABC DRY CHEMICAL (IN CABINET SEMI-RECESSED IN WALL)	2

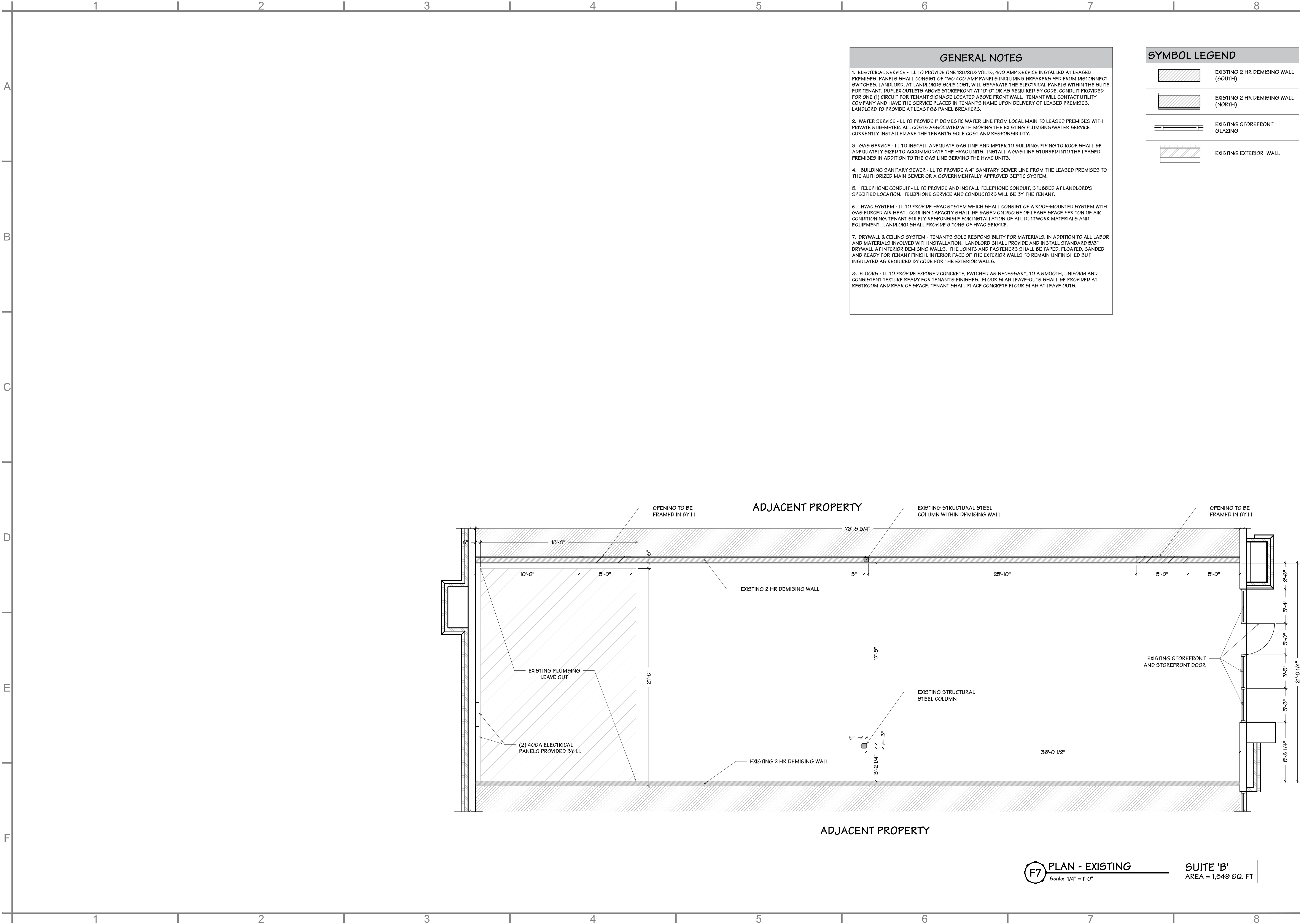
LIFE SAFETY NOTES

1. G.C. TO PROVIDE AND INSTALL ACCESSIBLE SIGNAGE IN ACCORDANCE WITH THE TEXAS ACCESSIBILITY CODE.
2. G.C. TO COORDINATE INSTALLATION REQUIREMENTS OF FIRE EXTINGUISHERS WITH LOCAL FIRE DEPARTMENT.

ADA SAUNA 109	BUSINESS	150	117	1
RED LIGHT 110	BUSINESS	150	57	1
RED LIGHT 111	BUSINESS	150	70	1
RESTROOM 112	N/A	N/A	43	N/A
ADA RESTROOM 113	N/A	N/A	73	N/A
UTILITY 114	STORAGE	300	122	1
HALLWAY 115	N/A	N/A	234	N/A
TOTAL BUILDING OCCUPANTS				15



Sheet: **A-100**



GENERAL NOTES

1. ELECTRICAL SERVICE - LL TO PROVIDE ONE 120/208 VOLTS, 400 AMP SERVICE INSTALLED AT LEASED PREMISES. PANELS SHALL CONSIST OF TWO 400 AMP PANELS INCLUDING BREAKERS FED FROM DISCONNECT SWITCHES. LANDLORD, AT LANDLORDS SOLE COST, WILL SEPARATE THE ELECTRICAL PANELS WITHIN THE SUITE FOR TENANT. DUPLEX OUTLETS ABOVE STOREFRONT AT 10'-0" OR AS REQUIRED BY CODE. CONDUIT PROVIDED FOR ONE (1) CIRCUIT FOR TENANT SIGNAGE LOCATED ABOVE FRONT WALL. TENANT WILL CONTACT UTILITY COMPANY AND HAVE THE SERVICE PLACED IN TENANT'S NAME UPON DELIVERY OF LEASED PREMISES. LANDLORD TO PROVIDE AT LEAST 66 PANEL BREAKERS.
2. WATER SERVICE - LL TO PROVIDE 1" DOMESTIC WATER LINE FROM LOCAL MAIN TO LEASED PREMISES WITH PRIVATE SUB-METER. ALL COSTS ASSOCIATED WITH MOVING THE EXISTING PLUMBING/WATER SERVICE CURRENTLY INSTALLED ARE THE TENANT'S SOLE COST AND RESPONSIBILITY.
3. GAS SERVICE - LL TO INSTALL ADEQUATE GAS LINE AND METER TO BUILDING. PIPING TO ROOF SHALL BE ADEQUATELY SIZED TO ACCOMMODATE THE HVAC UNITS. INSTALL A GAS LINE STUBBED INTO THE LEASED PREMISES IN ADDITION TO THE GAS LINE SERVING THE HVAC UNITS.
4. BUILDING SANITARY SEWER - LL TO PROVIDE A 4" SANITARY SEWER LINE FROM THE LEASED PREMISES TO THE AUTHORIZED MAIN SEWER OR A GOVERNMENTALLY APPROVED SEPTIC SYSTEM.
5. TELEPHONE CONDUIT - LL TO PROVIDE AND INSTALL TELEPHONE CONDUIT, STUBBED AT LANDLORD'S SPECIFIED LOCATION. TELEPHONE SERVICE AND CONDUCTORS WILL BE BY THE TENANT.
6. HVAC SYSTEM - LL TO PROVIDE HVAC SYSTEM WHICH SHALL CONSIST OF A ROOF-MOUNTED SYSTEM WITH GAS FORCED AIR HEAT. COOLING CAPACITY SHALL BE BASED ON 250 SF OF LEASE SPACE PER TON OF AIR CONDITIONING. TENANT SOLELY RESPONSIBLE FOR INSTALLATION OF ALL DUCTWORK MATERIALS AND EQUIPMENT. LANDLORD SHALL PROVIDE 9 TONS OF HVAC SERVICE.
7. DRYWALL & CEILING SYSTEM - TENANT'S SOLE RESPONSIBILITY FOR MATERIALS, IN ADDITION TO ALL LABOR AND MATERIALS INVOLVED WITH INSTALLATION. LANDLORD SHALL PROVIDE AND INSTALL STANDARD 5/8" DRYWALL AT INTERIOR DEMISING WALLS. THE JOINTS AND FASTENERS SHALL BE TAPED, FLOATED, SANDED AND READY FOR TENANT FINISH. INTERIOR FACE OF THE EXTERIOR WALLS TO REMAIN UNFINISHED BUT INSULATED AS REQUIRED BY CODE FOR THE EXTERIOR WALLS.
8. FLOORS - LL TO PROVIDE EXPOSED CONCRETE, PATCHED AS NECESSARY, TO A SMOOTH, UNIFORM AND CONSISTENT TEXTURE READY FOR TENANT'S FINISHES. FLOOR SLAB LEAVE-OUTS SHALL BE PROVIDED AT RESTROOM AND REAR OF SPACE. TENANT SHALL PLACE CONCRETE FLOOR SLAB AT LEAVE OUTS.

SYMBOL LEGEND

	EXISTING 2 HR DEMISING WALL (SOUTH)
	EXISTING 2 HR DEMISING WALL (NORTH)
	EXISTING STOREFRONT GLAZING
	EXISTING EXTERIOR WALL



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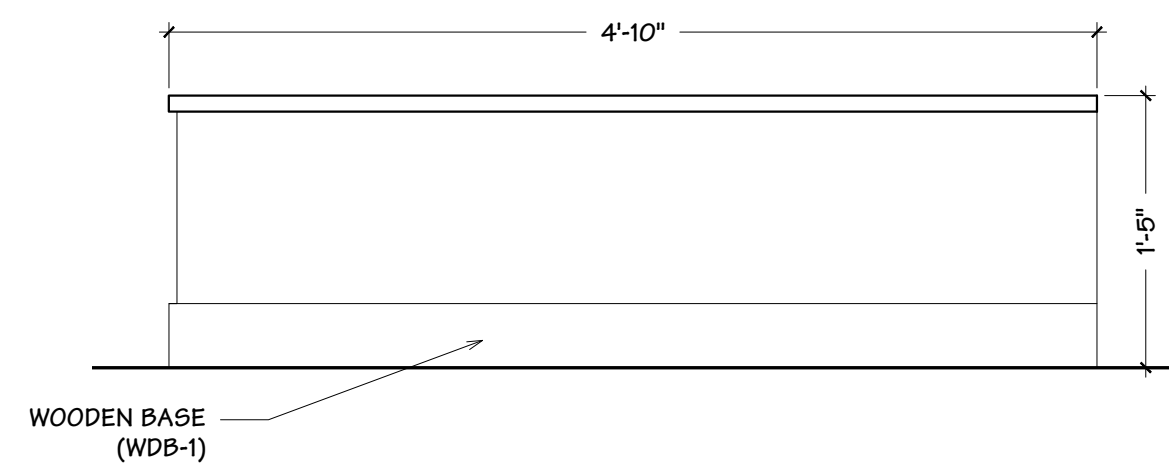
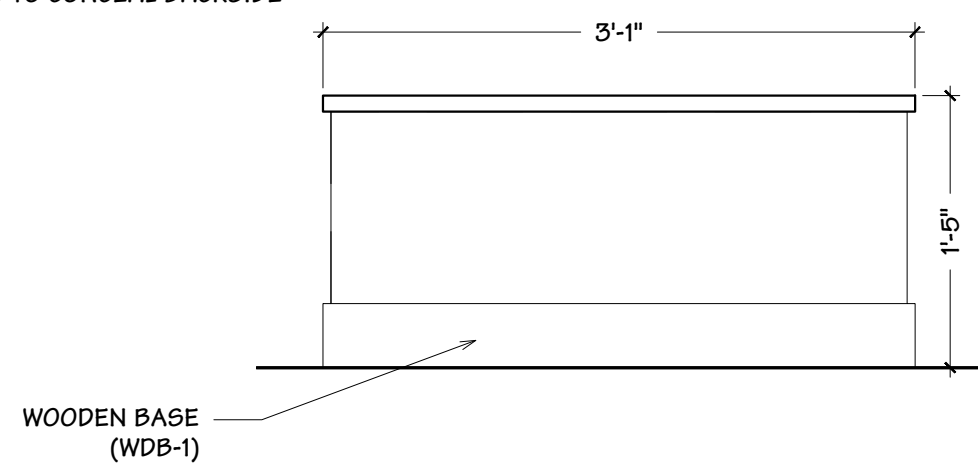
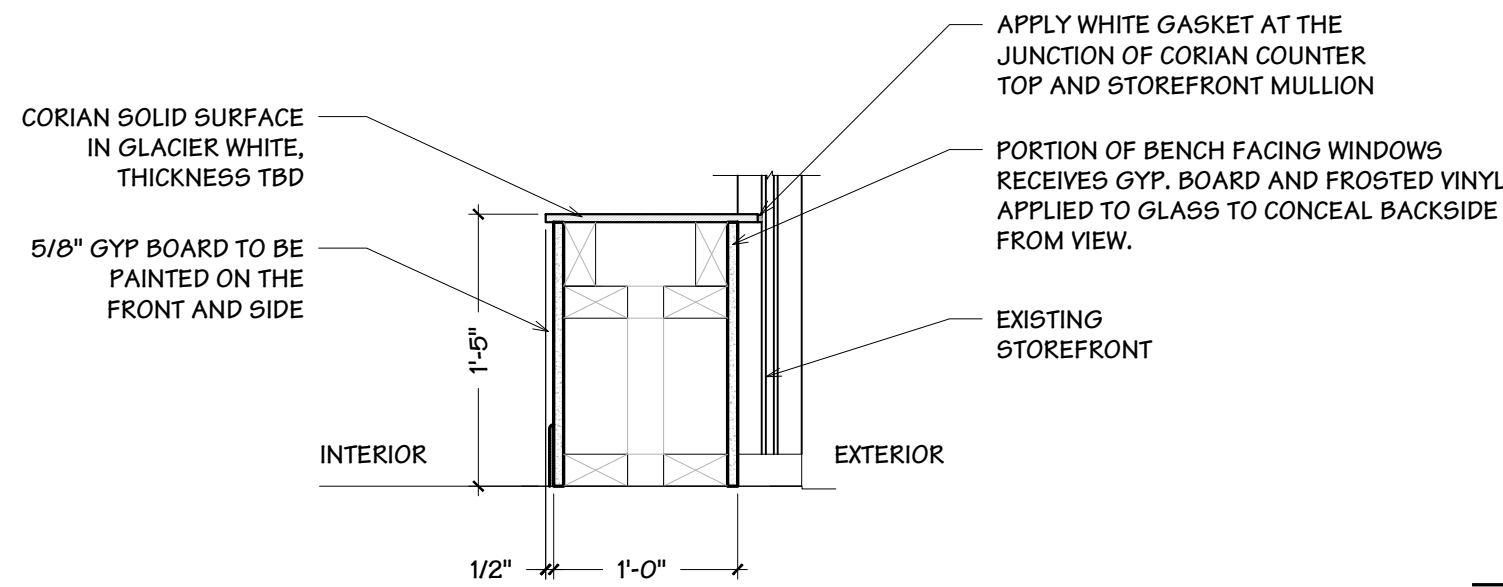
Plan - Existing

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F7 PLAN - EXISTING
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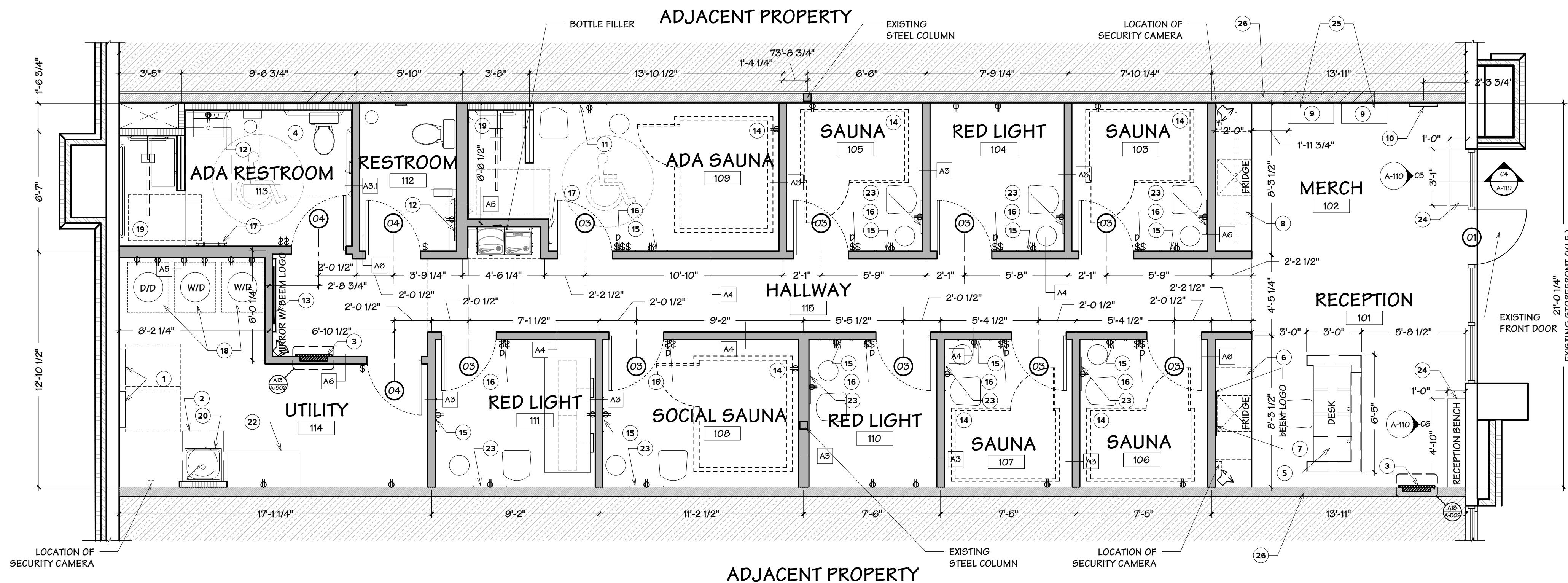
SUITE 'B'
AREA = 1,549 SQ. FT

KEY NOTE#	FLOOR PLAN KEY NOTES
1	(2) 400A ELECTRICAL PANELS PROVIDED BY LL. SEE ELECTRICAL FOR MORE DETAILS.
2	PROVIDE NEW HOT WATER HEATER ABOVE CEILING - SEE PLUMBING PLAN ON SHEET P10. GC TO PROVIDE SHELF AND SUPPORTS FOR HOT WATER HEATER - REFER TO SHEET A-502.
3	PROVIDE FIRE EXTINGUISHER: 10LB CLASS ABC FIRE EXTINGUISHER, SEMI-RECESSED IN CABINET. MOUNTED BETWEEN 36"-48" A.F.F.
4	NEW ADA ACCESSIBLE RESTROOM, INCLUDING THE FOLLOWING: 18" VERTICAL GRAB BAR, 36" AND 42" HORIZONTAL GRAB BAR, MIRROR AND PLUMBING FIXTURES. REFER TO SHEET A-113, A-201, E10 FOR DETAILS.
5	PROVIDE RECEPTION DESK. PROVIDE POWER/DATA THROUGH CONDUIT IN THE FLOOR (WILL BE MOUNTED ON INSIDE OF DESK) STANDARD. REFER TO ENLARGED PLAN 'A5' AND DETAILS ON SHEET A-501.
6	PROVIDE LOWER CABINETS WITH UNDER-COUNTER REFRIGERATOR (OFCI). REFER TO ELEVATIONS ON SHEET A-202, DETAILS ON A-501
7	BEEM ACRYLIC SIGN (OFOI) AT 65" A.F.F. REFER TO ELEVATIONS ON SHEET A-202.
8	PROVIDE LOWER CABINETS WITH UNDER-COUNTER REFRIGERATOR (OFCI) AND APPAREL RACKS (OFCI).
9	INSTALL MERCHANDISE RACK (OFCI). 5PACE 4.75" FROM EACH OTHER. SECURE TO WALL. PROVIDE BLOCKING (72"W X 6"H @ 96" O.C.).
10	INSTALL LUUMI SCREEN (OFCI). MOUNT AT 37.5" A.F.F. PROVIDE WALL BACKING (18"W X 30"H 3/4" A.F.F.). REFER TO ELEVATIONS ON SHEET A-202 AND SHEET E10 FOR ELECTRICAL REQUIREMENTS.
11	INSTALL 3" - 4" F.T. PLYWOOD BACKING BEHIND GYP. BD. (22"W X 65"H @ 12" A.F.F.). PROVIDE BACKLIT ADA SAUNA MIRROR AT 12" A.F.F. VERIFY IN FIELD WITH TENANT. PROVIDE RECESSED OUTLET AS SHOWN ON SHEET E10.
12	INSTALL 3" - 4" F.T. PLYWOOD BACKING (28" X 28" @ 40" A.F.F.) BEHIND GYP. BD. PROVIDE NEW RESTROOM MIRROR PER ELEVATIONS ON SHEET A-201. PROVIDE RECESSED OUTLET WITHIN STUDS CENTERED BEHIND MIRROR. REFER TO SHEET E2.0. FOR ELECTRICAL REQUIREMENTS.
13	INSTALL 3" - 4" F.T. PLYWOOD BACKING BEHIND GYP. BD. (48"W X 80"H @ 4" A.F.F.) FOR HALLWAY MIRROR (OFCI) AND BEEM LIGHTED SIGN (OFOI) 8" ABOVE MIRROR. VERIFY IN FIELD WITH TENANT. PROVIDE POWER ABOVE CEILING OF ADJACENT ROOM. REFER TO ELEVATIONS ON SHEET A-202.
14	SAUNA (OFOI) MINIMUM 4" FROM WALL. PROVIDE POWER AS SHOWN ON SHEET E10.
15	INSTALL COAT HOOKS (OFCI). PROVIDE BLOCKING IN WALL (24"W X 8"H @ 5'-0" A.F.F.) CENTERED WITHIN THE CORNER AND DOOR FRAME (TYPICALLY UNLESS SHOWN OTHERWISE), EXCEPT IN ADA SAUNA, INSTALL AT 4'-0" A.F.F.
16	INSTALL WALL TIMER (OFCI) AT 2'-1/2" ABOVE SWITCHES CENTERED ON SWITCH PLATE. VERIFY LOCATION WITH OWNER. ADHERE TO WALL WITH MAGNETS (OFCI).
17	PROVIDE BLOCKING (24" X 24" @ 36" A.F.F.). INSTALL ROBE HOOK KIT. VERIFY LOCATION WITH BUILDOUT MANAGER.
18	INSTALL WASHER/DRYER AND DRYER/DRYER (OFCI). PROVIDE PLUMBING AND POWER AS SHOWN ON SHEET P10 AND E10.
19	PROVIDE SHOWER FIXTURE AND ADA FOLDING SEAT. REFER TO PLUMBING SCHEDULE ON SHEET P10 AND ACCESSORY SCHEDULE ON SHEET A-113. RECESS SLAB FOR SHOWER. PROVIDE TRENCH DRAIN PER PLUMBING DRAWINGS ON SHEET P10.
20	PROVIDE UTILITY SINK PER PLUMBING PLAN ON SHEET P10. PROVIDE WHITE FRP ON WALLS BEHIND UTILITY SINK @ 48" A.F.F. AND EXTEND 12" BEYOND CABINET ON BOTH SIDES. CONTRACTOR TO PROVIDE RATED OUTLET AND JUNCTION BOXES IN ALL RATED WALLS.
21	NOT USED
22	PREP/LAUNDRY TABLE BY OWNER.
23	INSTALL 3" - 4" F.T. PLYWOOD BACKING (28" X 28" @ 48" A.F.F.) BEHIND GYP. BD. PROVIDE NEW MIRROR. PROVIDE RECESSED OUTLET WITHIN STUDS CENTERED BEHIND MIRROR. REFER TO SHEET E2.0. FOR ELECTRICAL REQUIREMENTS.
24	BUILT-IN BENCH (20"D X 17"H), FRAMED, DRY-WALLED AND PAINTED ON BASE WITH CORIAN SOLID SURFACE IN GLACIER WHITE (DRY-WALLED ON ALL SIDES).
25	NOT USED
26	EXISTING 2HR RATED DEMISING WALL



GENERAL NOTES
A. FURNITURE PLACEMENT SHALL NOT RESTRICT ADA ACCESS REQUIRED.
B. CONTRACTOR TO PROVIDE MIN. R-30 BATT INSULATION AT EXTERIOR DECK SPACE IF NOT CURRENTLY INSTALLED.
C. CONTRACTOR TO PROVIDE MIN. R-19 BATT INSULATION IN ALL FRAMED EXTERIOR WALLS IF NOT ALREADY PROVIDED.
D. ROOF PENETRATIONS AND ROOF WORK TO BE PERFORMED BY LANDLORD'S CONTRACTOR IF REQUIRED, VERIFY WITH LANDLORD.
E. DIMENSIONS TAKEN FROM CENTER TO CENTER OF NEW DRY WALL.
F. DOOR THRESHOLDS WITH A CHANGE IN LEVEL BETWEEN 1/4" HIGH MINIMUM AND 1/2" HIGH MAX SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2
G. RESTROOM WALLS TO GO FULL HEIGHT TO DECK

SYMBOL LEGEND	
	NEW PARTITION WALL
	NEW 2 1/4", 4-1/4" OR 6 5/8" WALL FURRING W/ R-13 BATT INSULATION
	EXISTING 2 HR DEMISING WALL (SOUTH)
	EXISTING 2 HR DEMISING WALL (NORTH)
	EXISTING STOREFRONT GLAZING
	INDICATES WALL CONSTRUCTION TYPE
	DOOR DESIGNATION
	EXISTING EXTERIOR WALL



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CHECKED BY: [Signature]
PROJECT NO.: A-2024010915
ARCHITECT
May 30, 2024

beem Light Sauna
2070 NW Lowenstein Dr., Suite B
Lee's Summit, MO 64081
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REVISIONS		
No.	DATE	NOTE

Drawn by: ----
Checked by: ----
Project No: ----
Date: May 30, 2024

Plan - Floor

Sheet:
A-110

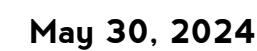
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1. FIELD VERIFY EXISTING NORMAL AND EMERGENCY EGRESS LIGHTING, PROVIDED UNDER THE PREVIOUS PERMIT, IS ADEQUATE & FULLY OPERATIONAL. CLEAN AND RE-LAMP FIXTURES AS REQUIRED.
2. ALL OPEN CEILING ITEMS - IF ANY - (GRILLES, EXHAUST FAN COVERS, LIGHTING TRIM, ETC) TO BE NOT PAINTED (TYP.). EXPOSED PIPES TO BE PAINTED SAME COLOR AS CEILING.
3. REFER TO SHEET E2.0 FOR LIGHTING LEGEND.
4. REFER TO SHEET A-114 FOR ACOUSTICAL CEILING GRID DETAILS.
5. FOR BARREL HALLWAY - GC TO MAXIMIZE CEILING HEIGHT AS POSSIBLE UP TO 12'-0" AFF, IF LOW HANGING UTILITY PIPES IN THE AREA ARE ENCOUNTERED.

1. PROVIDE NEW GRID (GRID-1) AND ACOUSTICAL TILES (ACT-1). REFER TO SHEET A-114.
2. INSTALL SPEAKERS (OFO) AT 84" A.F.F. PROVIDE POWER AS SHOWN ON SHEET E1.0
3. EXISTING EXTERIOR LIGHTING TO REMAIN. GC TO CONFIRM EXISTING EXTERIOR
4. EXTERIOR SIGN JUNCTION BOX TO BE BROUGHT WITHIN 5 FEET OF THE PROPOSED STOREFRONT SIGN LOCATION. REFER TO SHEET E1.0.
5. BOTTOM OF CHANDELIERS AT 9'-0" A.F.F.; TYP.



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



REVISIONS		
No.	DATE	NOTE
1	05.22.2022	CITY COMM.
2	05.29.2024	CITY COMMENTS

Plan - RCP

Sheet: **A-112**

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FURNITURE/ACCESSORY SCHEDULE

MARK	DESCRIPTION	MANUFACTURER & MODEL #	COLOR/FINISH	SUPPLIED	INSTALLED
1	WASTE RECEPTACLE	ROOM ESSENTIALS #064-05-2769 @ TARGET	CLEAR 10.5"H x 8.5"W	OWNER	OWNER
2	TOILET PAPER DISPENSER	TASTOS #B08FWQBQ95 @ AMAZON.COM	MATTE BLACK 7.32 x 3.62 x 2.28	GC *	GC
3	SOAP DISPENSER	CONTAINER STORE #100800651	MATTE BLACK 6.5 OZ	OWNER	OWNER
4	PAPER TOWEL DISPENSER	ESSENTIALLY YOURS #B07FM8QRZ3 @ AMAZON.COM	BLACK 12.17 X 8.46 X 5.04	GC *	GC
5					
6	ROUND LED WALL MIRROR	IVY BRONX LASOYA ROUND LED WALL MIRROR, # W100134102, 28"X28" WWW.WAYFAIR.COM	28" DIA. ROUND, GLASS, WALL MOUNTED, PLUG-IN TYPE	GC	GC
7	GRAB BAR CONCEALED MOUNT - 36"	STAINLESS STEEL 1 1/4" - 2" MAX O.D.	MATTE BLACK AND ROUND TRIM (FOR ALL GRAB BAR)	GC	GC
8	GRAB BAR CONCEALED MOUNT - 42"	STAINLESS STEEL 1 1/4" - 2" MAX O.D.	MATTE BLACK AND ROUND TRIM (FOR ALL GRAB BAR)	GC	GC
9	GRAB BAR CONCEALED MOUNT - 18"	STAINLESS STEEL 1 1/4" - 2" MAX O.D.	MATTE BLACK AND ROUND TRIM (FOR ALL GRAB BAR)	GC	GC
9A	GRAB BAR CONCEALED MOUNT - 60"	STAINLESS STEEL 1 1/4" - 2" MAX O.D.	MATTE BLACK AND ROUND TRIM (FOR ALL GRAB BAR)	GC	GC
10	ROBE HOOKS & TOWEL BAR KIT	LAIRUIER #B07WN3F93N @ AMAZON.COM	MATTE BLACK	GC	GC
11	ACCESSIBLE WALL-MOUNTED FOLDING SEAT	TEAKWORKS4U PTBF-320160W	NATURAL	GC	GC
12	SOAP & SHAMPOO DISPENSER	ZERODIS B08HV21PQ2 @ AMAZON.COM	BLACK	GC	GC
13	TALL BACKLIT MIRROR	HANS & ALICE #B07FQLH757	21.7"W X 65" W MOUNT @ 12" A.F.F.	GC	GC
13A	WLH LED MIRROR	IVY BRONX LASOYA ROUND LED WALL MIRROR (28"X28"), SKU: W100134102 @ WAYFAIR.COM	RECESSED OUTLET @ 60" AFF, INSTALL HEIGHT AT 48" A.F.F.	GC	GC
14	REGULAR SAUNA	SYMMETRY SAUNA	REFER 'SYMMETRY SAUNA' MARK 1 SPEC SHEET	OWNER	OWNER
15	SOCIAL SAUNA	SYMMETRY SAUNA	REFER 'SYMMETRY SAUNA' ADA SPEC SHEET	OWNER	OWNER
16	SAUNA CHAIR	SVELTI #11627	DUSTY PINK	OWNER	OWNER
17	SAUNA SIDE TABLE	WEST ELM #3955376 FLUTED SIDE TABLE	WHITE	OWNER	OWNER
18	LIGHT THERAPY MACHINE, STAND & BED	--	--	OWNER	GC
19	TIMER	VOCO #B08M95B91P	3.07 X 1.06	OWNER	GC
20	COAT HOOKS	WEST ELM PONTO WALL HOOKS	MULTI	OWNER	GC
21	RECEPTION DESK CHAIR	ARTICLE #12162	WHITE	OWNER	OWNER
22	LUUMI SCREEN	18"W X 30"H X 1.8"D VERIFY POWER HEIGHT	--	OWNER	GC
23	TOWEL & BEVERAGE REFRIGERATOR	23.63"W x 33.5"H 23.5"D	SILVER	OWNER	GC
24	SPEAKER & MOUNTS	--	SPEAKER OUTLETS TO BE NO MORE THAN 2" OFF THE WALL CORNER	OWNER	OWNER
25	MERCHANDISE RACK	CRATE & BARREL #396941 STAIRWAY BOOKCASE	WHITE	GC	GC
26	APPAREL RACK	40" W X 1.25" DIA. KROFT.CO HANGING CLOTHES RACK MEDIUM	WHITE	GC	GC
27	BEEEM ACRYLIC SIGN	55" W X 25" H X 1/2" DIA. INSTALL AT 65" A.F.F.	WHITE	OWNER	OWNER
28	LAUNDRY TABLE	--	--	OWNER	OWNER
29	HALLWAY MIRROR	48"W X 78"H INSTALL ABOVE WOOD BASE	1" RADIUS CORNERS	GC	GC
30	ACCESSIBLE SIGNAGE	REFER TO DETAIL A4/A-501	--	GC	GC
31	beem ILLUMINATED SIGN	35"W x 10.75"H REQUIRES J-BOX ABOVE CEILING OF ADJACENT ROOM	--	OWNER	OWNER
32	STACKING DRYER	SPEED QUEEN #LSEE5AGS173TW01	--	OWNER	GC
32A	STACKING WASHER/DRYER	SPEED QUEEN #LTEE5ASP175TW01	--	OWNER	GC
33	TEMPERED GLASS PARTITION	TBD	FRAME: MATTE BLACK	GC	GC
34	UTILITY SINK	GLACIER BAY ALL-IN-ONE INTERNET # 206067007 MODEL # GLO33Y	STAINLESS STEEL SINK WITH WHITE CABINET	GC	GC
35	RECEPTION BENCH	BUILT-IN BENCH	CORIAN SOLID SURFACE TOP IN GLACIER WHITE, DRY WALL BASE	GC	GC

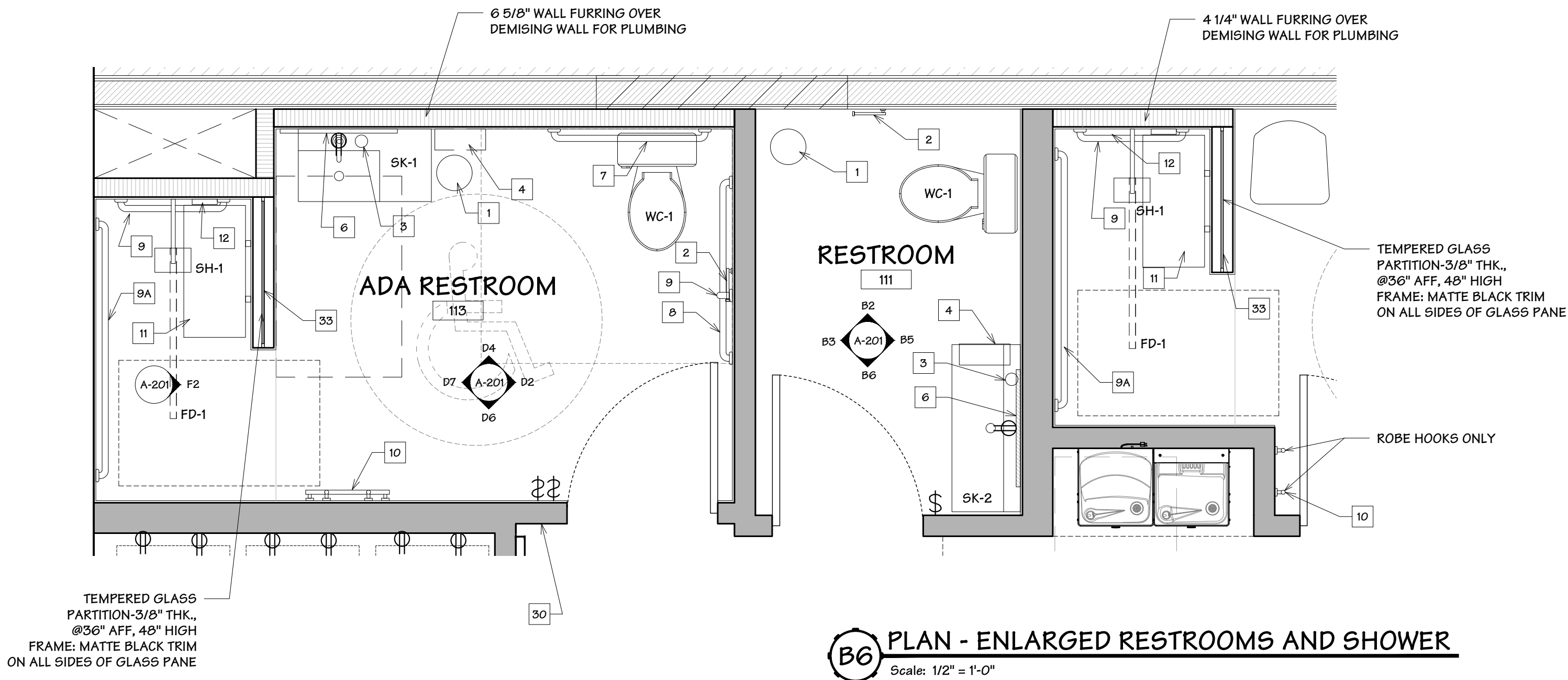
*CONFIRM WITH STUDIO BULDOUT MANAGER BEFORE PURCHASING. ACCESSORIES MAY BE PROVIDED AND INSTALLED BY OTHERS.

RESTROOM NOTES:
NOTE 1: INSTALL 3 1/2" SOUND INSULATION BATTS IN NEW WALLS AROUND TOILET ROOM(S) - TYPICAL.

NOTE 2: PROVIDE/INSTALL BLOCKING FOR GRAB BAR SUPPORT - TYPICAL. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHERE A VERTICAL OR HORIZONTAL FORCE OF 250 LBS. IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER MOUNTING DEVICE OR SUPPORTING STRUCTURE.

NOTE 3: TOILET ACCESSORIES FURNISHED AND INSTALLED BY GC UNLESS OTHERWISE NOTED.

NOTE 4: PROVIDE/INSTALL BLOCKING FOR SECURE SEAT ATTACHMENT. BLOCKING AND SEAT TO BE INSTALLED TO SUPPORT A STATIC LOAD OF UP TO 360 POUNDS.



SYMBOL LEGEND

	NEW PARTITION WALL
	NEW 2 1/4", 4-1/4" OR 6 5/8" WALL FURRING W/ R-13 BATT INSULATION
	EXISTING 1 HR DEMISING WALL
	EXISTING STOREFRONT GLAZING
	INDICATES WALL CONSTRUCTION TYPE
	DOOR DESIGNATION
	EXISTING EXTERIOR WALL



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Plan - Furniture

Sheet:

A-113

F7 PLAN - FURNITURE
Scale: 1/4" = 1'-0"

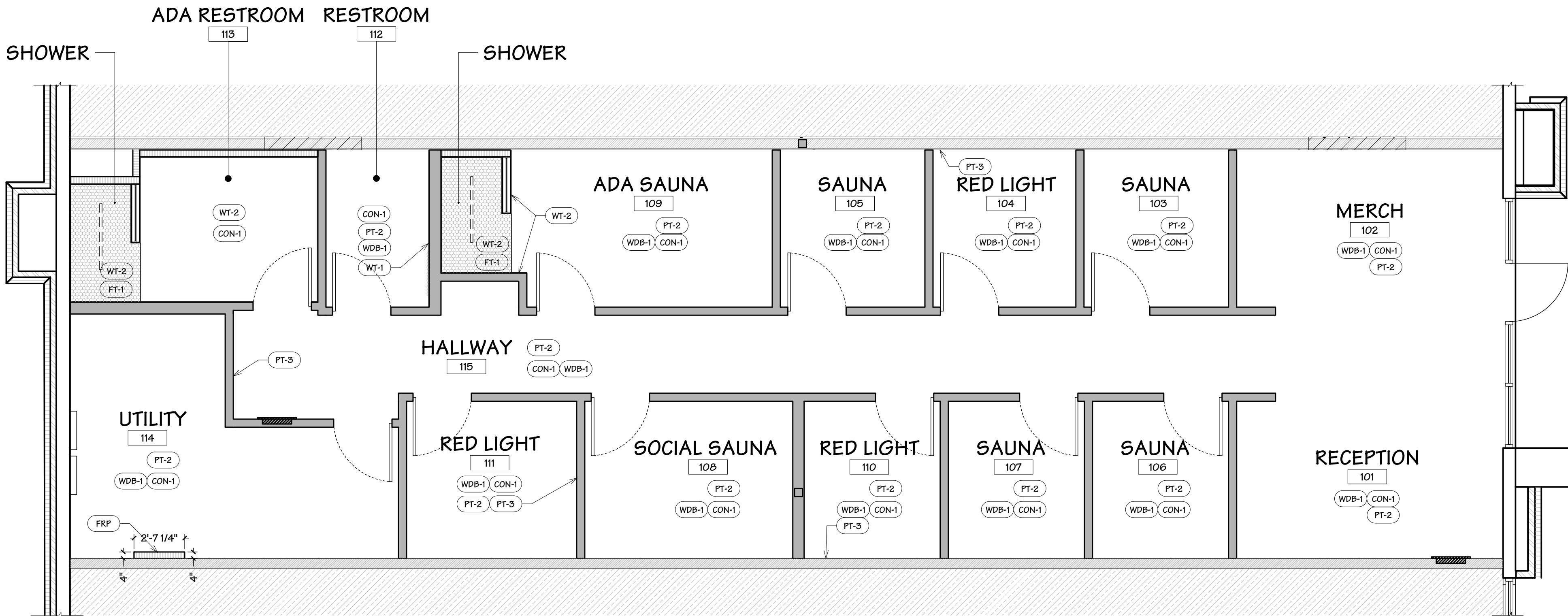
FINISH SCHEDULE

GENERAL NOTES: A. FLOORS IN RESTROOMS SHALL HAVE A SMOOTH, HARD, NON-ABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CERAMIC TILE, CONCRETE, OR OTHER APPROVED MATERIAL WHICH EXTENDS UPWARD ONTO THE WALLS AT LEAST 6 INCHES. B. PROVIDED WATER-RESISTANT GYPSUM BOARD, GREEN BOARD, OR OTHER APPROVED MATERIAL ON THE WALLS IN RESTROOMS. C. WALL IN RESTROOMS WITHIN 2 FEET OF THE FRONT AND SIDES OF URINALS AND WATER CLOSETS SHALL HAVE SMOOTH, HARD NON-ABSORBENT SURFACE TO A HEIGHT OF 4 FEET. D. DO NOT INSTALL VINYL BASE ON TILE VENEER.		REMARKS: 1. USE MOLD RESISTANT GWB-3 ON WALLS AND GCB-2 ON CEILING IN WET AREAS. 2. REFER TO FINISH PLAN ON SHEET A-114 FOR FINISH LOCATIONS.
---	--	---

	MANUFACTURER & MODEL #	PRODUCT DETAIL	COLOR/FINISH	SUPPLIED	INSTALLED
FLOOR FINISHES					
CON-1 SEALED CONCRETE	POLISH TO 1500-GRIT. INCLUDE A DENSIFIER TREATMENT PER MANUFACTURER GUIDELINES. FINISH WITH A SEALER.	SEALER: AMERIPOLISH SP E	SEALER FINISH: CLEAR	GC	GC
FT-1 MOSAIC FLOOR TILE	MARAVILLA MARBLE MOSAIC TILE (SHOWER)	COASTAL IVORY BLEND 1" HONED MARBLE MOSAIC; 1/16" JOINT MORTAR: MAPEI KERAFLEX PLUS WHITE MORTAR	MAPEI 93 WARM GRAY	GC	GC
WDB-1 WOOD BASE	1X4 PAINT GRADE WOOD	SEAL GAPS BETWEEN BASE AND CONCRETE FLOOR; COLOR TO MATCH PAINT COLOR	MATCH WALL COLOR SEMIGLOSS	GC	GC
WALL FINISHES					
WT-1 WALL TILE	MONTAGE 12X12 BALLET GLASS PENNY MOSAIC (RESTROOM)	INSTALL OVER CB-1; MORTAR: MAPEI ADESILEX-PIO PREMIUM WITH MAPEI KEROPLY LATEX ADDITIVE	1/16" GROUT: MAPEI FLEXCOLOR SD PRE-MIXED 201 CRYSTAL MOON	GC	GC
WT-2 WALL TILE	DALTILE 16X32 SCULPTURE GREY P035 (RESTROOM & SHOWER) ORDER FROM: NATIONAL.ACCOUNTS@DALTILE.COM 877-556-5728 FOR BEEM INVENTORY AND PREFERRED PRICING	INSTALL OVER CB-1; RUNNING BOND; USE SRT-1 & SST-1	3/16" GROUT: MAPEI 93 WARM GREY MATTE FINISH	GC	GC
SRT-1 WALL TRIM	SCHLUTER RONDEC TILE EDGE TRIM - ROUNDED	ROUNDED REVEAL SURFACE AT OUTSIDE TILE CORNERS	SATIN ANODIZED ALUMINUM	GC	GC
SST-1 WALL TRIM	SCHLUTER SCHIENE TILE EDGE TRIM - ROUNDED	FINISH EDGE WHERE TILE EDGE EXPOSED	SATIN ANODIZED ALUMINUM	GC	GC
PT-1 WALL PAINT	SHERWIN WILLIAMS (DESK TRIM)	PROMAR 200 ZERO VOC ACRYLIC LATEX	SW-7005 PURE WHITE SATIN FINISH	GC	GC
PT-2 WALL PAINT	SHERWIN WILLIAMS (FIELD)	PROMAR 200 ZERO VOC ACRYLIC LATEX	COLOR-MATCH TO BENJAMIN MOORE OC-22 CALM	GC	GC
PT-3 WALL PAINT	SHERWIN WILLIAMS (ACCENT)	PROMAR 200 ZERO VOC ACRYLIC LATEX	COLOR-MATCH TO BENJAMIN MOORE CSP-20 WALL STREET	GC	GC
GWB-1 GYF BOARD	5/8" TYPE "X" USG OR EQUAL GYPSUM WALL BOARD	ASTM C36	PAINT	GC	GC
GWB-2 GYF BOARD	5/8" TYPE "X" USG OR EQUAL GYPSUM WALL BOARD	FIRE-RESISTANT	PAINT	GC	GC
GWB-3 GYF BOARD	5/8" TYPE "X" USG OR EQUAL GYPSUM WALL BOARD	MOLD-RESISTANT ASTM C1396	PAINT	GC	GC
CB-1 GYF BOARD	USG OR EQUAL 1/2" CEMENT BOARD	CEMENT BOARD WITH WOVEN GLASS FIBER MESH	-	GC	GC
FRP	FIBERGLASS REINFORCED PANEL	MARLITE STANDARD FRP - PEBBLED SURFACE	P100 WHITE OR EQUAL	GC	GC
CEILING					
GRID-1 CEILING GRID	ARMSTRONG T-GRID	9/16"	WHITE	GC	GC
ACT-1 CEILING TILE	ARMSTRONG DUNE MODEL #: 1852	24" X 24" LAY-IN CEILING, BEVELED REGULAR 9/16", 5/8" THICK	WHITE	GC	GC
GCB-1 GYF BOARD	1/2" TYPE "X" USG OR EQUAL GYPSUM BOARD	ASTM C36	PAINT	GC	GC
GCB-2 GYF BOARD	1/2" TYPE "X" USG OR EQUAL GYPSUM BOARD (WET AREAS)	MOLD-RESISTANT ASTM C1396	PAINT	GC	GC
GCB-3 GYF BOARD	USG OR EQUAL 1/4" FLEXIBLE GYPSUM PANELS	2 LAYERS INSTALLED OVER FLEX-C METAL SURFACE	PAINT	GC	GC
CASEWORK					
PLAM-1 PLASTIC LAM.	FORMICA	STANDARD HIGH-PRESSURE LAMINATE	FORMICA 9244-S6 CLASSIC WHITE	GC	GC
SS-1 SOLID SURFACE	CORIAN	1/2" THK. 100% ACRYLIC	GLACIER WHITE	GC	GC

FINISH PLAN NOTES

1. VERIFY FINAL FINISH SELECTIONS WITH OWNER PRIOR TO COMMENCING FINISH SCOPE OF WORK.
2. REFER TO RCP NOTES FOR LOCATION OF CEILING FINISHES
3. ORDER WT-2 (DALTILE 16X32 - SCULPTURE GREY) FROM NATIONAL.ACCOUNTS@DALTILE.COM; 877-556-5728 FOR BEEM INVENTORY AND PREFERRED PRICING.

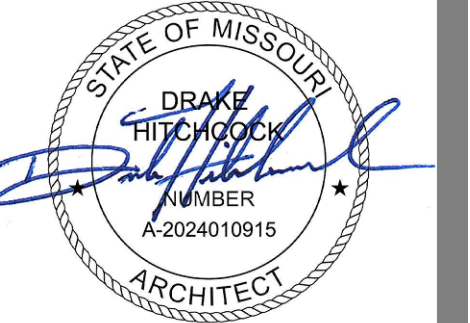


F7 PLAN - FINISH
Scale: 1/4" = 1'-0"



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Date: May 30, 2024

Plan - Finish

Sheet:
A-114

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ROOM FINISH SCHEDULE																																																											
NOTE:		FLOOR		BASE		WALL						CEILING				REMARKS																																											
		SEALED CONC. (CON-1) SHOWER FLOOR TILE (FT-1) EXISTING	WOOD BASE (WB-1) EXISTING	MOSAIC WALL TILE (WF-1) RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING	RR WALL TILE (WT-2) SCHLUTER TRIM (SRT-1) SCHLUTER TRIM (SRT-1) GWB-1 / PAINT (PT-1) GWB-1 / PAINT (PT-2) GWB-1 / PAINT (PT-2) F.R. GYP. BRD (GWB-2) M.R. GYP. BRD (GWB-3) EXISTING

DOOR SCHEDULE														
		FRAME	HEAD/JAMB	DOOR	RATING	HARDWARE			TYPE	REMARKS				
NOTE <div>SEE DIVISION 8 OF THE SPECIFICATIONS, CONTAINING IMPORTANT INFORMATION RELATING TO BUILDING CODES, CITY ORDINANCES, MATERIALS AND METHODS.</div>		WOOD FRAME	EXISTING ALUM. STOREFRONT	HEAD H1/JAMB J1 - DETAIL A7/A-501										
		EXISTING FRAME	HEAD H2/JAMB J2 - DETAIL A8/A-501											
		EXISTING HEAD/JAMB	EXISTING DOOR											
		3'-0" x 7'-0" x 1-3/4" WOOD (PT-2)	3'-0" x 8'-0" x 1-3/4" WOOD (PT-2)											
		UNRATED	20 MINUTE	45 MINUTE	90 MINUTE	GROUP A	GROUP B1	GROUP B2	GROUP C	GROUP D (EXISTING)	GROUP E (STOREFRONT)			
101	RECEPTION													
102	MERCHANDISE													
103	SAUNA	●		●		●			B	1, 2 MARKED AS (03) ON A-110				
104	SAUNA	●		●		●			B	1, 2 MARKED AS (03) ON A-110				
105	SAUNA	●		●		●			B	1, 2 MARKED AS (03) ON A-110				
106	SAUNA	●		●		●			B	1, 2 MARKED AS (03) ON A-110				
107	SAUNA	●		●		●			B	1, 2 MARKED AS (03) ON A-110				
108	SOCIAL SAUNA	●		●		●			B	1, 2 MARKED AS (03) ON A-110				
109	ADA SAUNA	●		●		●			B	1, 2, 3 MARKED AS (03) ON A-110				
	SHOWER													
110	RED LIGHT	●		●		●			B	1, 2 MARKED AS (03) ON A-110				
111	RED LIGHT	●		●		●			B	1, 2 MARKED AS (03) ON A-110				
112	RESTROOM	●	●	●		●			A	1, 2 MARKED AS (04) ON A-110				
113	ADA RESTROOM	●	●	●		●			A	2, 3 MARKED AS (04) ON A-110				
	SHOWER													
114	UTILITY/STORAGE	●	●	●		●			A	MARKED AS (04) ON A-110				
115	HALLWAY													
GENERAL NOTES						REMARKS								
A. ALL INTERIOR DOORS TO BE SMOOTH, FLUSH SOLID CORE, WOOD DOORS PREPPED FOR A PAINT FINISH, UNLESS NOTED OTHERWISE (U.N.O.).						1. UNDERCUT DOOR 1.5"								
B. DOOR CLOSERS, LEVER HANDLES, ETC. TO MEET ADA REQUIREMENTS.						2. SIGN COMPANY TO INSTALL DOOR SIGN.								
C. REPLACE EXISTING WEATHERSTRIPPING ON EXTERIOR DOORS IF NOT SEALING DOOR FROM AIR & WATER PENETRATION.						3. INSTALL ACCESSIBLE DOOR SIGNAGE ON OUTSIDE OF ROOM. SEE NOTES ON SHEET A-113.								
D. COORDINATE ALL KEYING WITH OWNER.						4. EXISTING PANIC HARDWARE TO REMAIN.								
		MANUFACTURER & MODEL #		STYLE		COLOR/ FINISH			REMARKS					
DOORS AND FRAMES														
INTERIOR DOORS	-			SMOOTH, FLUSH SOLID CORE WOOD			PT-2 SATIN FINISH			SEE DETAIL				
INTERIOR FRAMES	1X4 WOOD			-			PT-2 SEMI-GLOSS			SEE DETAIL				
EXTERIOR DOORS	MATCH BUILDING STANDARD OR EQUAL			MATCH BUILDING STANDARDS			MATCH BUILDING STANDARDS			-				
WINDOWS AND GLASS														
STOREFRONT SYSTEM	MATCH BUILDING STANDARD OR EQUAL			ANODIZED ALUMINUM			BLACK			LAMINATED CLEAR SAFETY GLASS				
WINDOWS -	MATCH BUILDING STANDARD OR EQUAL			MATCH BUILDING STANDARDS			MATTE BLACK FRAME			FIXED GLAZING UNLESS OTHERWISE NOTED ON PLANS				
HARDWARE GROUPS														
HARDWARE GROUP A	KWIKSET HALIFAX #740HFLRDT-514S (OFFICE)			OFFICE SET SINGLE ACTION, LEVER TYPE			MATTE BLACK WITH CIRCLE TRIM			1-1/2 PAIR HINGES, SILENCERS, SURFACE CLOSER- MOUNT ROOM SIDE, WALL MOUNTED MATTE BLACK EVERBILT DOOR STOP				
HARDWARE GROUP B1	KWIKSET HALIFAX #730HFLRDT-514 (RESTROOM)			PRIVACY SET SINGLE ACTION, LEVER TYPE			MATTE BLACK WITH CIRCLE TRIM			1-1/2 PAIR HINGES, SILENCERS, SURFACE CLOSER- MOUNT ROOM SIDE, WALL MOUNTED MATTE BLACK EVERBILT DOOR STOP				
HARDWARE GROUP B2	KWIKSET HALIFAX #730HFLRDT-514 (RED LIGHT/SAUNA)			PRIVACY SET SINGLE ACTION, LEVER TYPE			MATTE BLACK WITH CIRCLE TRIM			1-1/2 PAIR HINGES, SILENCERS, WALL MOUNTED MATTE BLACK EVERBILT DOOR STOP				
HARDWARE GROUP C	KWIKSET HALIFAX #720HFLRDT-514 (UTILITY/STORE)			PASSAGE SET SINGLE ACTION, LEVER TYPE			MATTE BLACK WITH CIRCLE TRIM			1-1/2 PAIR HINGES, SILENCERS, WALL MOUNTED MATTE BLACK EVERBILT DOOR STOP				
HARDWARE GROUP D	EXISTING HARDWARE TO REMAIN			RE-KEY AT TURNOVER						--				
HARDWARE GROUP E	NEW HARDWARE PER MANUFACTURER			MATCH EXISTING STOREFRONT										
DOORS AND WINDOW TYPES														

ARCHITECTURAL SPECIFICATIONS

DIVISION 3 CONCRETE

- CLEAN, GRIND, FILL AND LEVEL ALL EXISTING CONCRETE TO RECEIVE NEW FLOORING, STAINING OR SEALING.
- FLOORS TO RECEIVE SHEET VINYL OR CERAMIC TILE SHALL NOT VARY MORE THAN 1/4" PER 10 FEET.

3.1 BACK POURED CONCRETE, WHERE SAW CUTTING HAS OCCURRED, SHALL BE SMOOTH AND LEVEL AND HAVE A FINISH TO MATCH THE ADJACENT CONCRETE. USE 2,500 PSI CONCRETE OR HIGHER. PROVE #4 X 12" REBAR DOWELS AT 48" O/C, DRILLED AND DOWELED INTO SIDE OF CONCRETE AT ALL SAW CUT TRENCHES.

4.1 ALL TRENCHES SHALL BE BACKFILLED IN LIFTS OF NOT GREATER THAN 6" AND RECOMPACTED TO 90% OF EXISTING SOIL/PAD COMPACTION.

DIVISION 7 INSULATION

- PROVIDE KRAFT FACED FIBERGLASS BATT INSULATION IN THE FOLLOWING LOCATIONS:

A. AT ALL BUILDING EXTERIOR WALLS IN CONDITIONED SPACES: 2" OR 4" INSULATING BATTS TO MATCH DEPTH OF FURRING. CONTRACTOR MAY USE RIGID FOAM INSULATION AT HIS OPTION.

B. AT ALL TENANT DEMISING WALLS: 4" OR 6" INSULATING BATTS TO MATCH SIZE OF DEMISING WALL STUDS.

C. AT ALL WALLS SEPARATING CONDITIONED SPACE FROM EVAPORATIVE COOLED OR NON-CONDITIONED SPACE: 4" OR 6" INSULATING BATTS TO MATCH SIZE OF DEMISING WALL STUDS

D. AT ALL TOILET ROOM WALLS AND CEILINGS: 4" SOUND BATTS.

E. AT ALL ROOMS CONTAINING ELECTRICAL TRANSFORMERS: 4" INSULATING BATTS IN WALLS AND ABOVE CEILING.

F. AT OTHER LOCATIONS, IF ANY, AS SPECIFIED ON THE FLOOR PLANS: 4" SOUND BATTS. 2.1 INSULATION BOTH THERMAL AND ACOUSTIC TO HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 450. (IBC 803.8, IBC 719 AND ASTM E84).

DIVISION 8 DOOR AND FRAMES

- ALL EXITS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

- MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS AND SURFACE BOLTS ARE PROHIBITED.

3.1 ITEM 1 NEED NOT APPLY TO THE FRONT DOOR OF A PLACE OF BUSINESS AS LONG AS A SIGN IS PLACED ABOVE THE DOOR IN 2" BLOCK LETTERS WITH CONTRASTING BACKGROUND THAT READS, "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED". WINDOWS AND GLASS

1.1 ALL GLASS SUBJECT TO HUMAN IMPACT SHALL CONFORM TO THE STANDARDS SET FORTH IN SECTION 2406 OF THE INTERNATIONAL BUILDING CODE.

2.1 GLASS: MATCH EXISTING THICKNESS, DESIGN AND FEATURES OF EXISTING GLASS. OTHERWISE USE FLOAT OR TEMPERED AS REQUIRED BY NOTE 1 ABOVE.

DIVISION 9 FINISHES

1.1 REPAIR ALL EXISTING WALLS, FLOORS AND CEILINGS THAT ARE TO REMAIN. REPAIR TO "LIKE NEW" CONDITION, MATCHING ALL NEW WORK IN QUALITY, COLOR AND MATERIALS.

2.1 SMOKE AND FLAME SPREAD FOR INTERIOR FINISHES FOR WALLS AND CEILING TO BE PER ASTM E84 AND IBC 803. FOR B OCCUPANCIES IN A SPRINKLERED SUITE.

EXIT ENCLOSURES AND EXIT PASSAGEWAYS CLASS B (FLAME SPREAD 26-75, SMOKE DEVELOPED 0-450)
CORRIDORS CLASS C (FLAME SPREAD 76-200, SMOKE DEVELOPED 0-450)
ROOMS AND ENCLOSED SPACES CLASS C (FLAME SPREAD 76-200, SMOKE DEVELOPED 0-450)

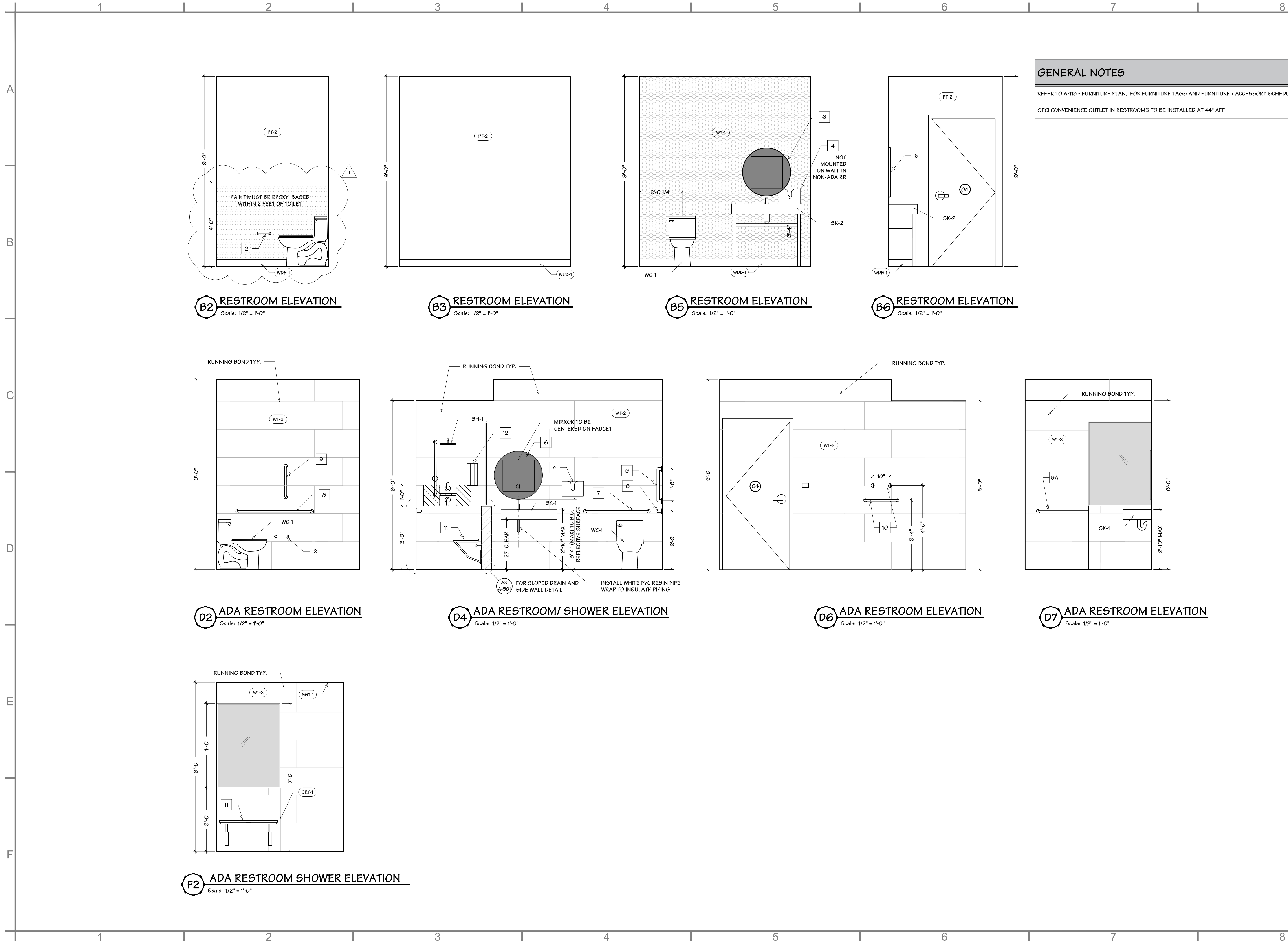
3.1 ALL EXTERIOR BUILDING WALLS IN CONDITIONED SPACES UPON COMPLETION OF THE PROJECT SHALL RECEIVE 2" METAL STUD FURRING, BATT INSULATION AND GYP. BOARD WITH WALL FINISHES TO MATCH ADJACENT WALLS.

4.1 WALL FINISH NOTES

A. AT NEW WALLS IN NEW AREAS: LEVEL 4 SMOOTH TEXTURE, SATIN LATEX PAINT.

B. AT NEW WALLS IN EXISTING AREAS: WALL FINISH TO MATCH EXISTING WALLS, SATIN LATEX PAINT.

C. AT EXISTING WALLS: REPAIR TO "LIKE NEW" CONDITION MATCHING ALL NEW WORK IN QUALITY. REPAINT WITH SATIN LATEX PAINT.



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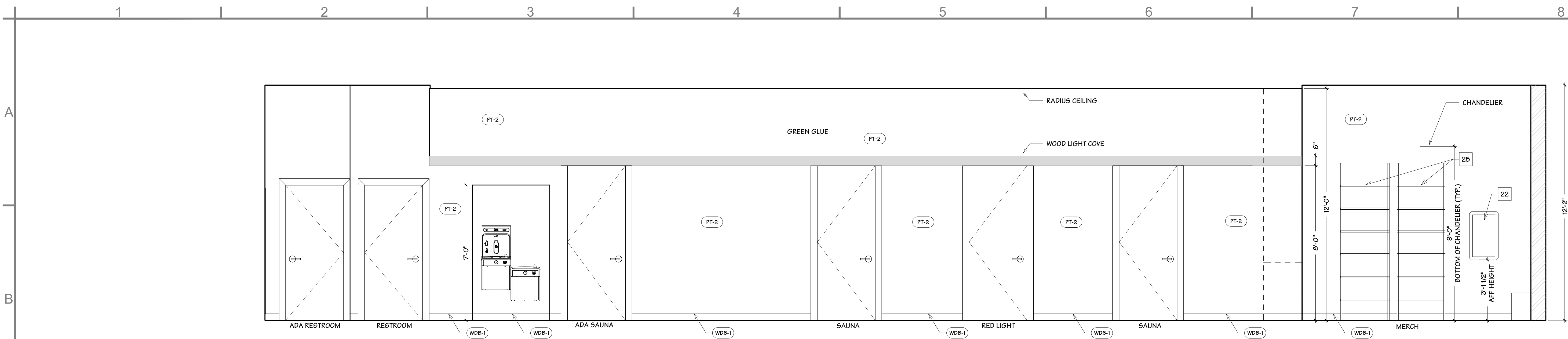
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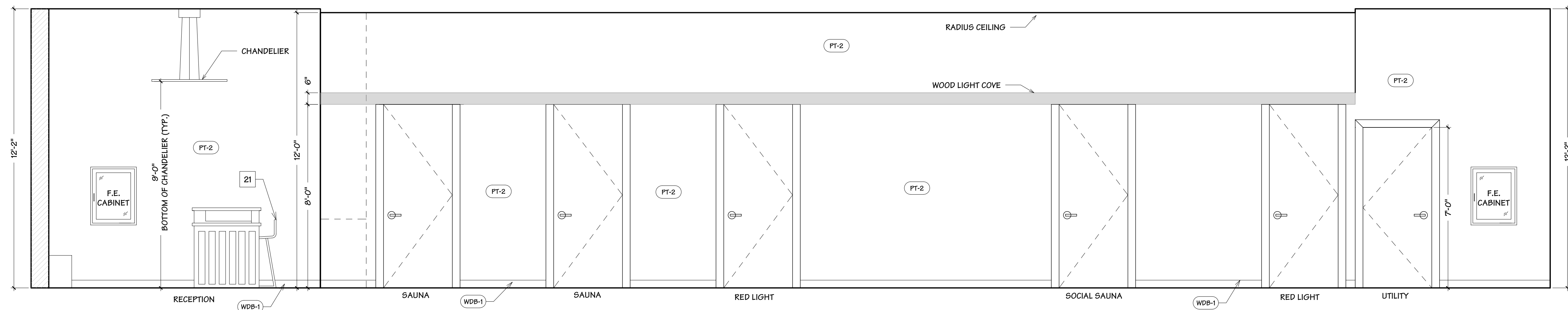
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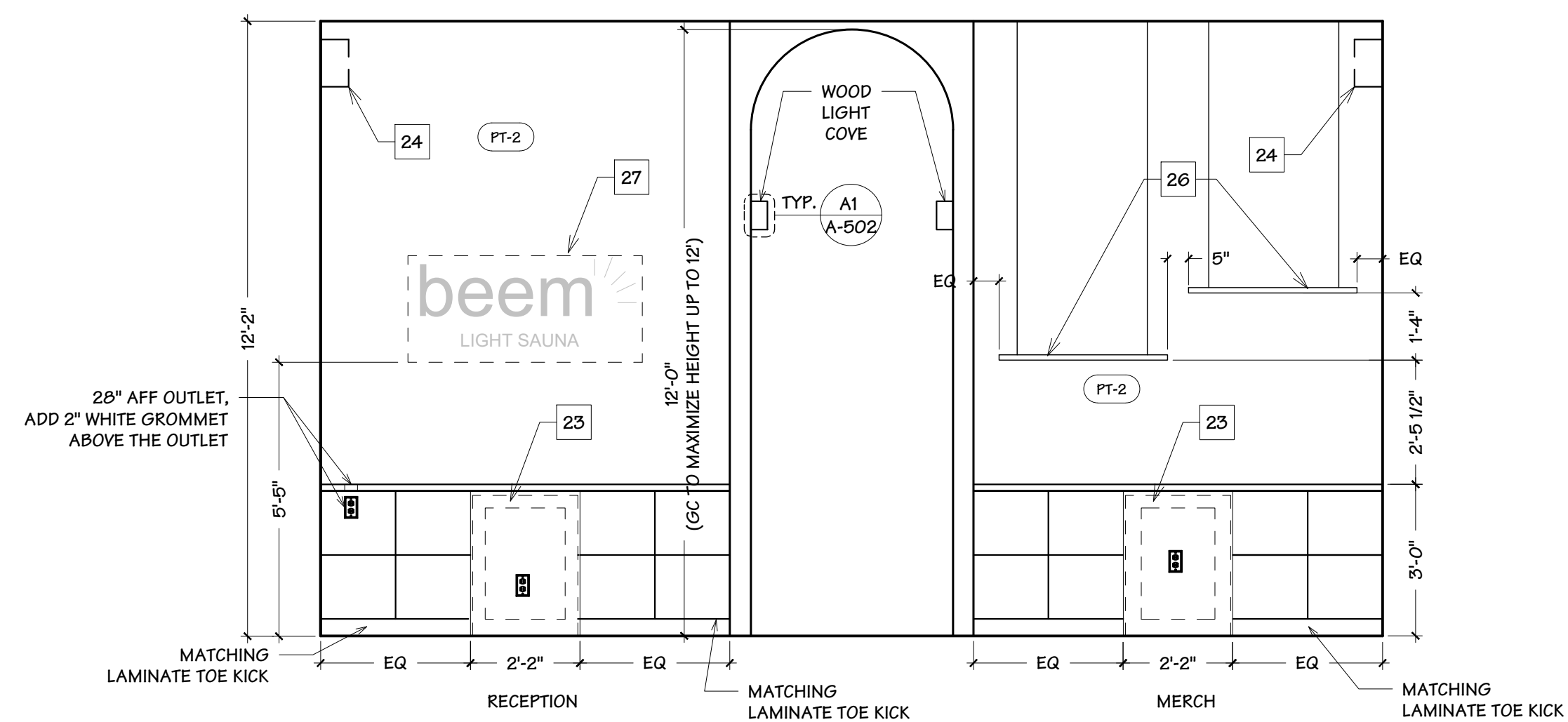
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B7 BARREL HALLWAY - ELEVATION
Scale: 3/8" = 1'-0"



D7 BARREL HALLWAY - ELEVATION
Scale: 3/8" = 1'-0"



F6 RECEPTION - ELEVATION
Scale: 3/8" = 1'-0"

GENERAL NOTES

REFER TO A-113 - FURNITURE PLAN, FOR FURNITURE TAGS AND FURNITURE / ACCESSORY SCHEDULE
GC TO MAXIMIZE BARREL HALLWAY HEIGHT ON SITE UP TO 12', CONSIDERING EXISTING UTILITY PIPES AND ITS HEIGHTS.

GC TO MAXIMIZE BARREL HALLWAY HEIGHT ON SITE UP TO 12', CONSIDERING EXISTING UTILITY PIPES AND ITS HEIGHTS.



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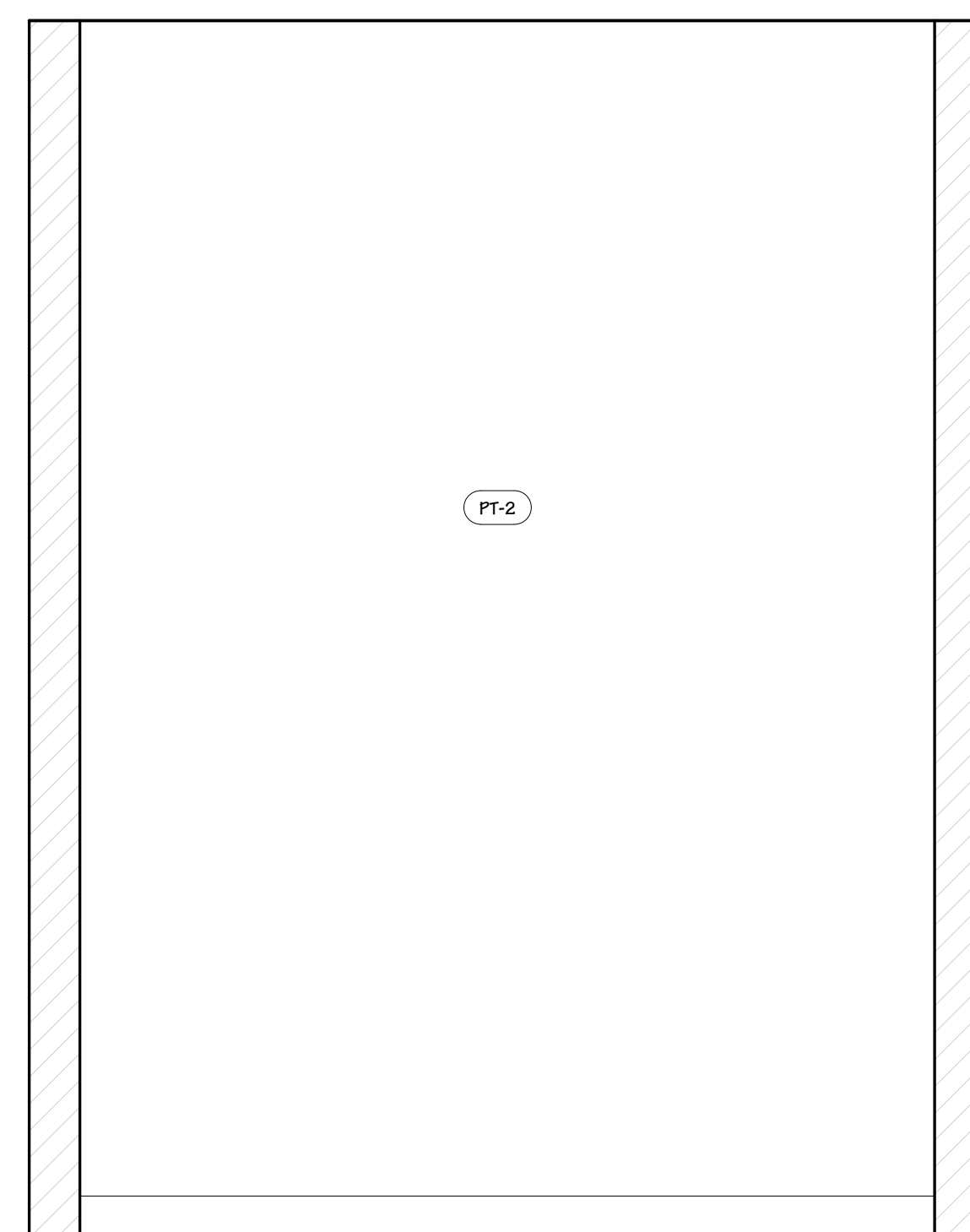
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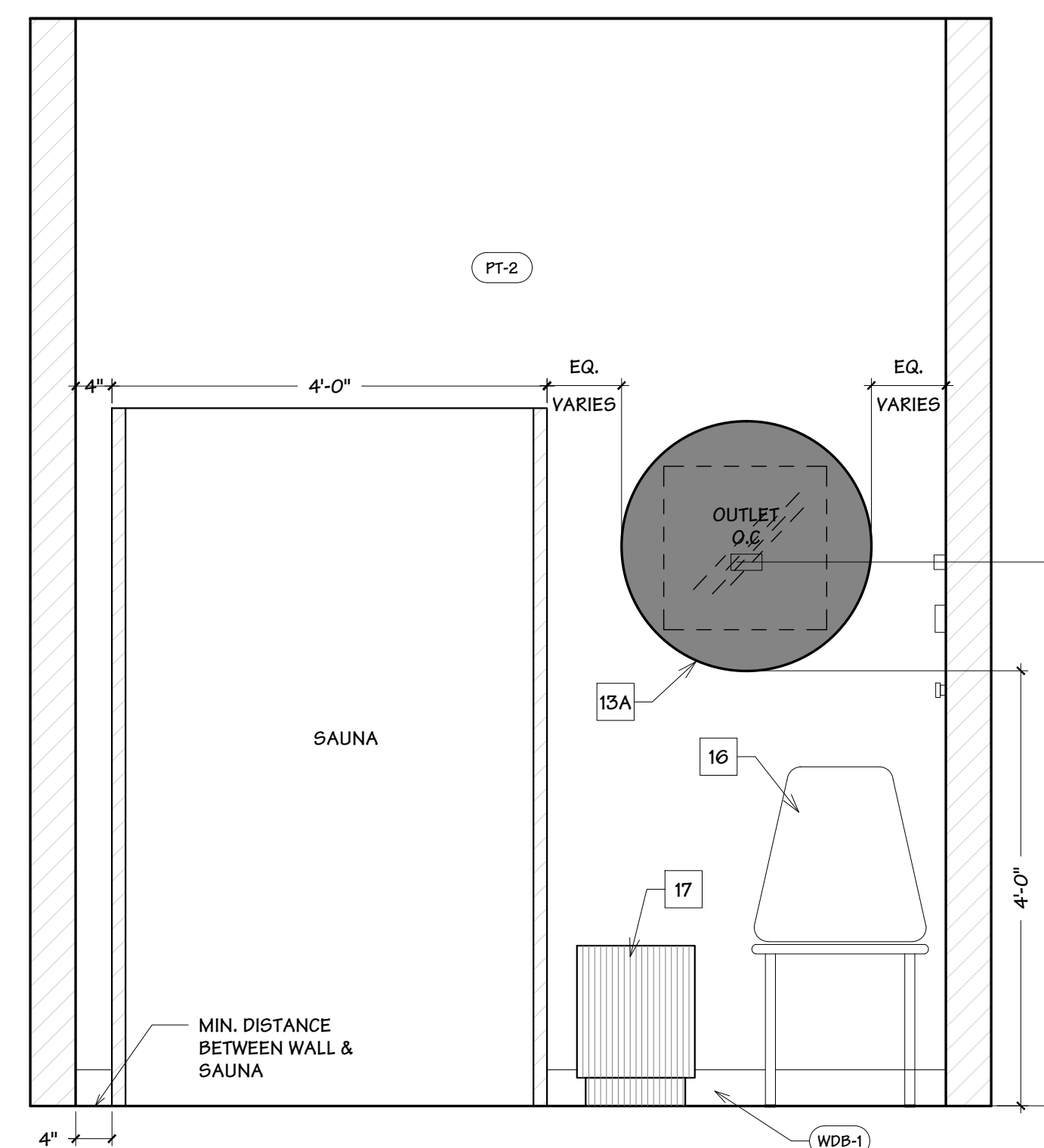
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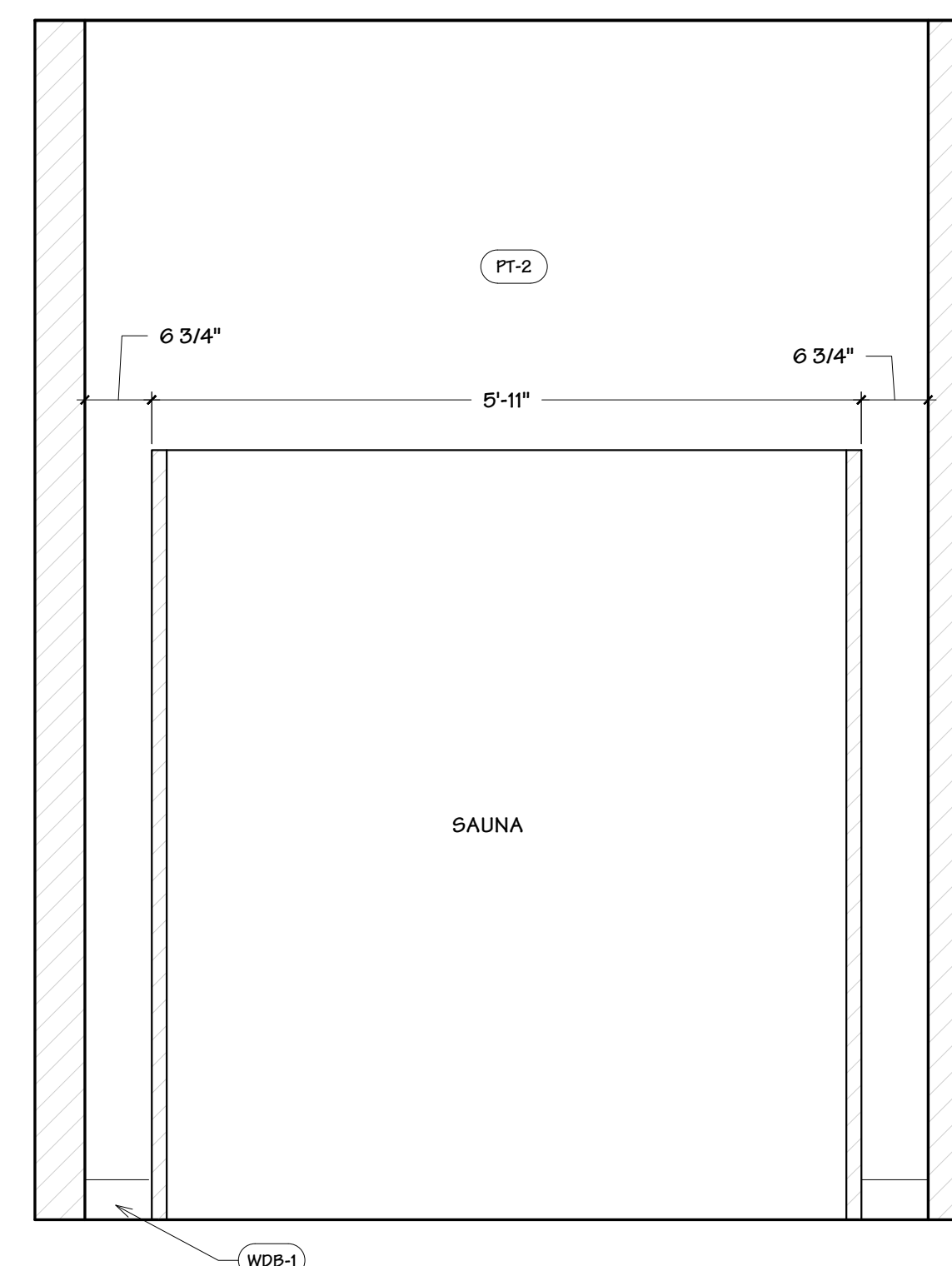
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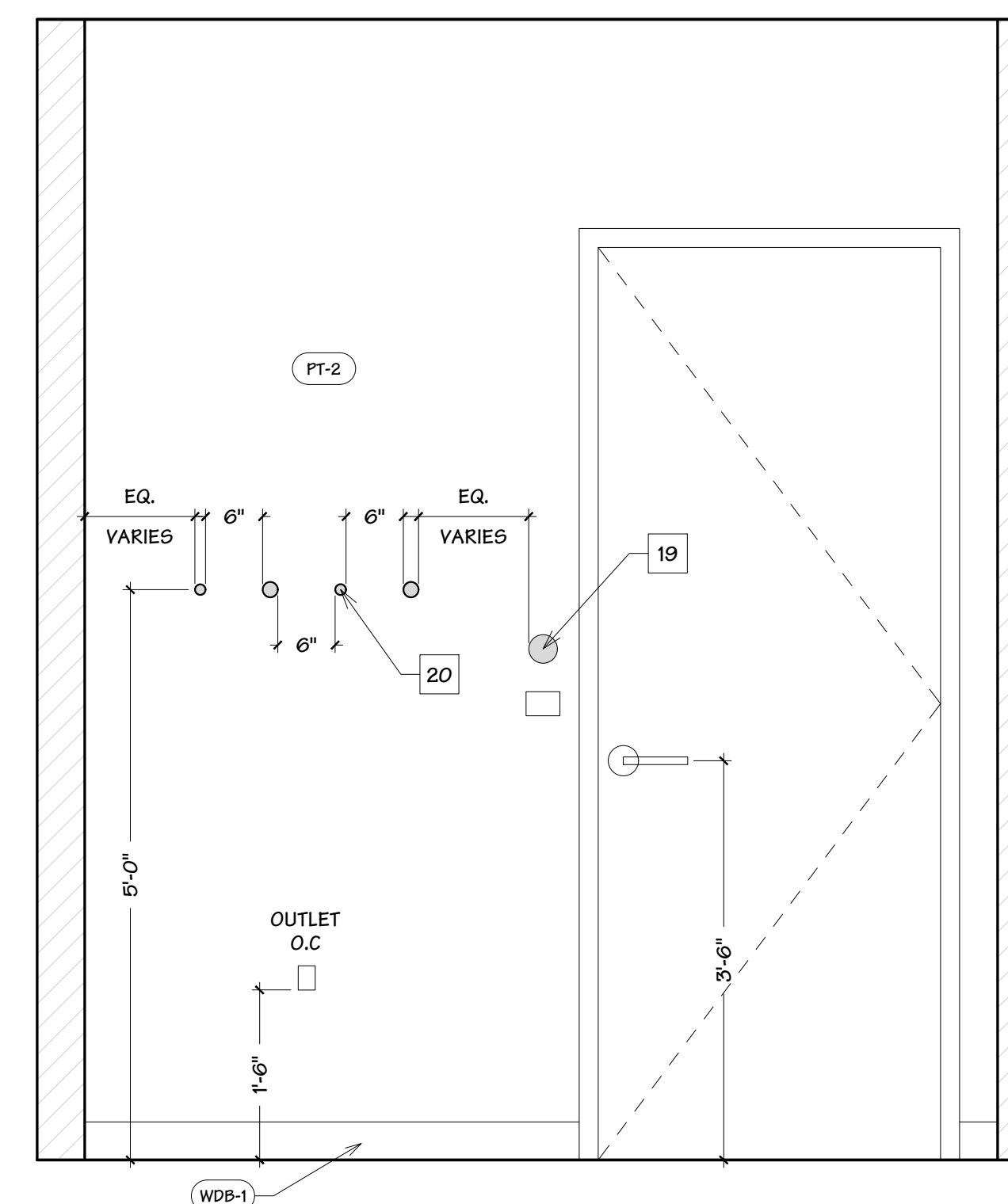
C2 SAUNA ROOM ELEV. (NON-ADA)
Scale: 3/4" = 1'-0"



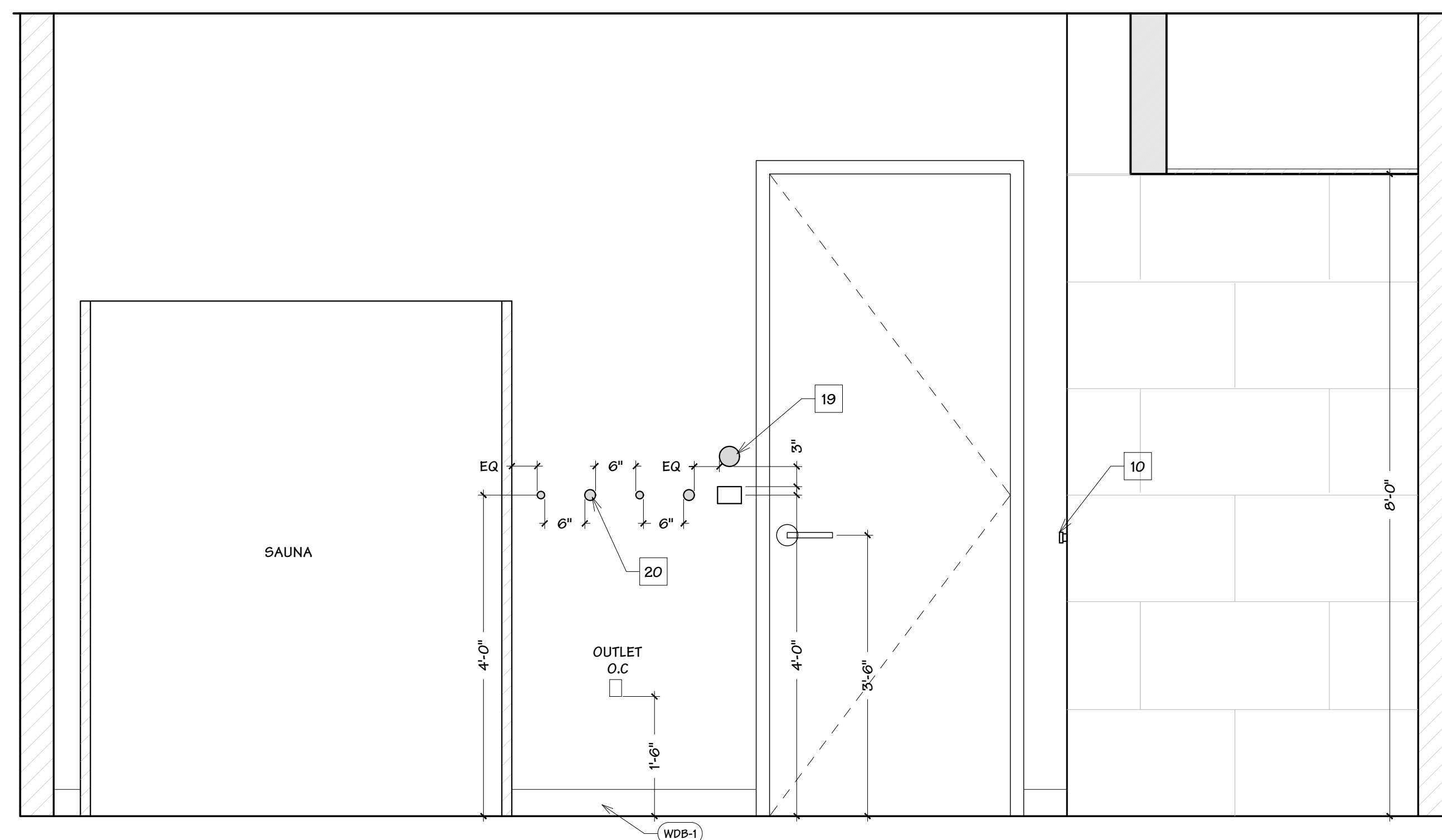
C4 SAUNA ROOM ELEV. (NON-ADA)
Scale: 3/4" = 1'-0"



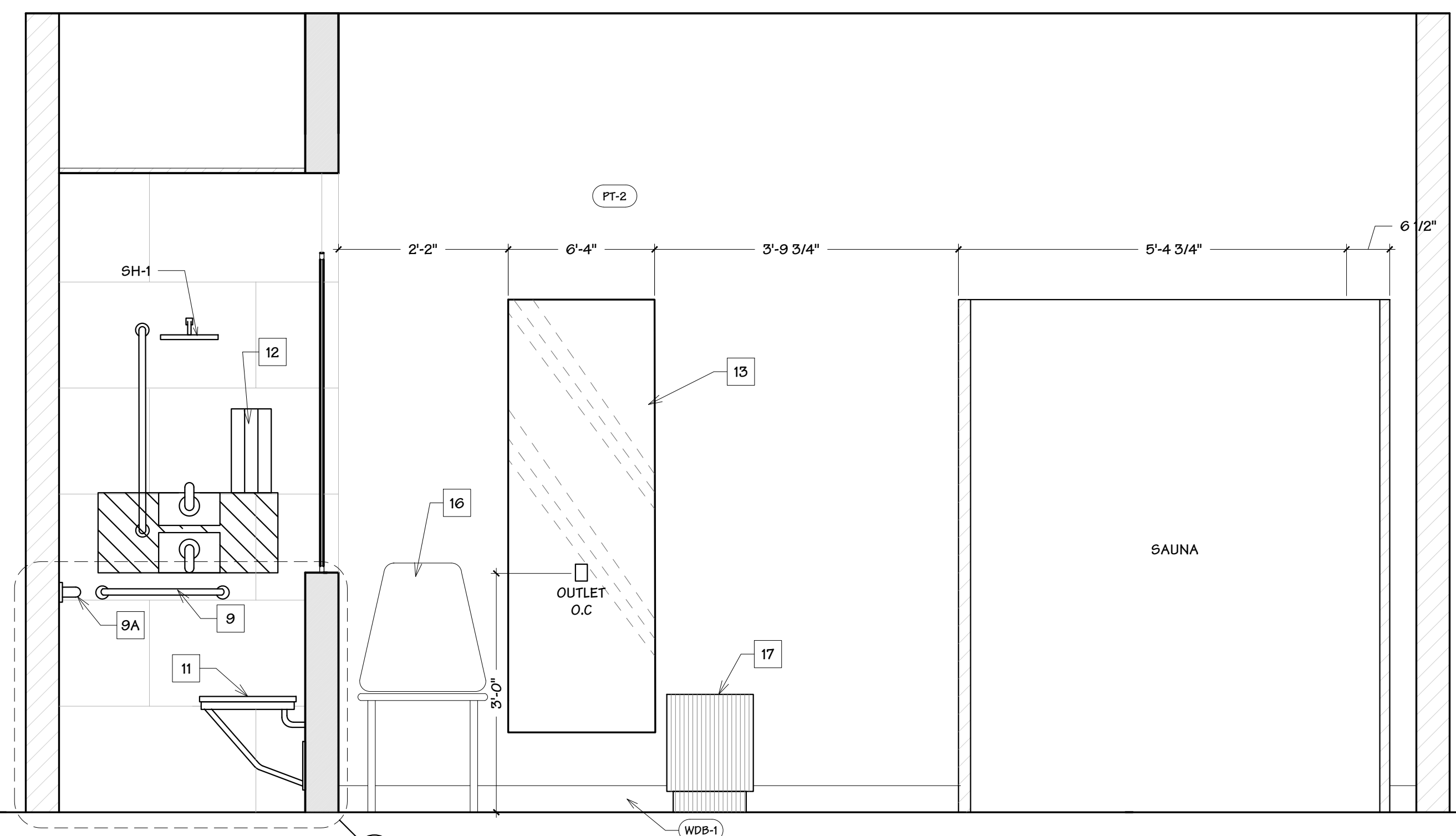
C6 SAUNA ROOM ELEV. (NON-ADA)
Scale: 3/4" = 1'-0"



C8 SAUNA ROOM ELEV. (NON-ADA)
Scale: 3/4" = 1'-0"



F4 ADA SAUNA ELEVATION
Scale: 3/4" = 1'-0"



F7 ADA SAUNA ELEVATION
Scale: 3/4" = 1'-0"

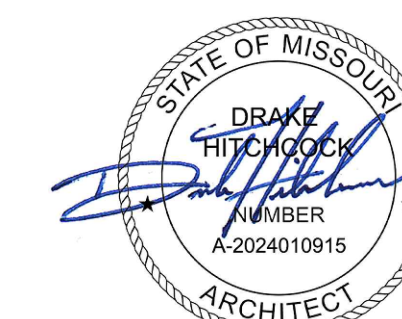
GENERAL NOTES

REFER TO A-113 - FURNITURE PLAN, FOR FURNITURE TAGS AND FURNITURE / ACCESSORY SCHEDULE



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Elevation - Sauna

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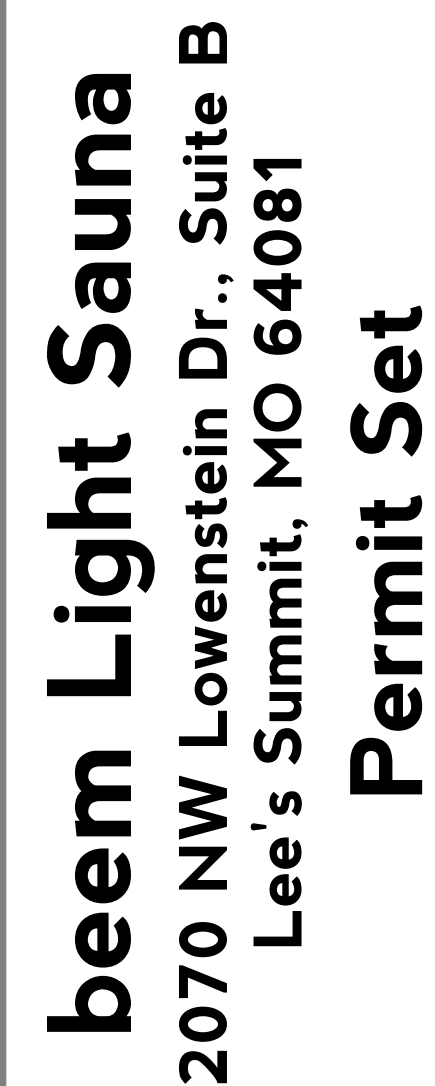
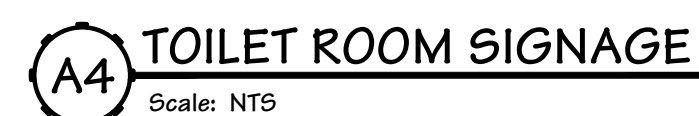
A11 CEILING GRID BRACING



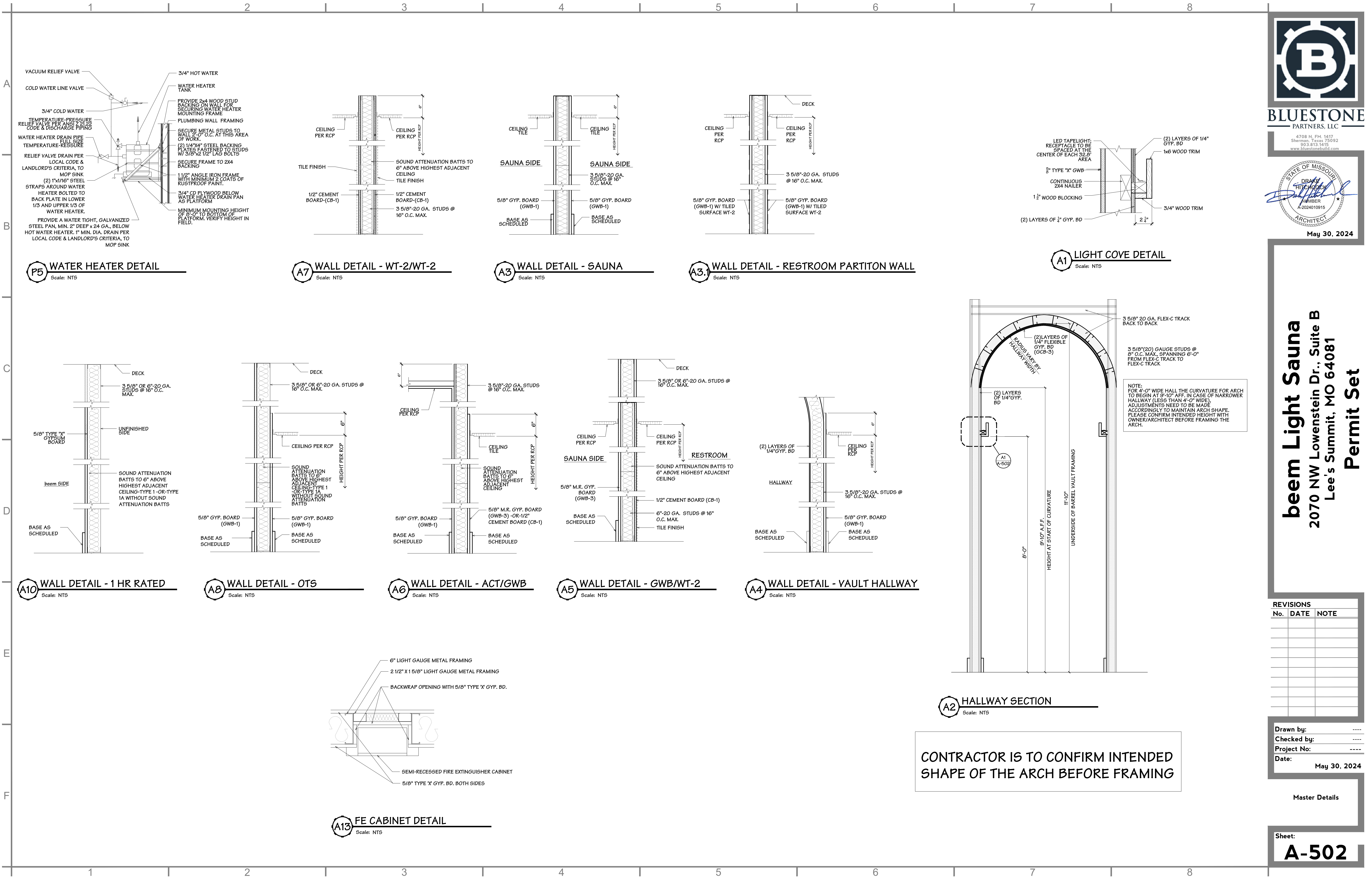
A19 STUD SIZING CHART



- A12 SEISMIC BRACING**
Scale: NTS



A-501



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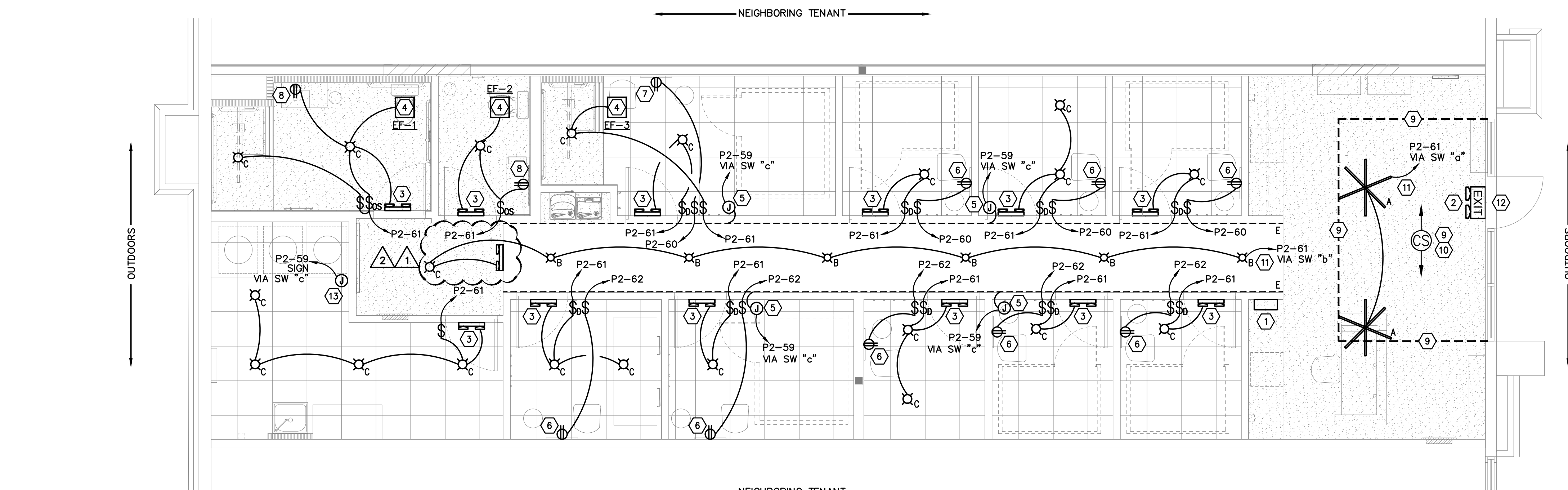
Master Details

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A-502

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ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	HEIGHT (U.N.O.)
\$	SINGLE POLE SINGLE THROW TOGGLE SWITCH (NOTE L-1)	44"
\$3	THREE-WAY TOGGLE SWITCH (NOTE L-1)	44"
\$D	DIMMER SWITCH (NOTE L-1)	44"
\$OS	OCCUPANCY/VACANCY SWITCH	44"
\$S	FAN SPEED CONTROL SWITCH	31"/38"
L-1 MOUNTING HEIGHTS NOTED ARE TO THE CENTER OF DEVICE ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE (U.N.O.).		



*COORDINATE FINAL SPECS WITH OWNER PRIOR TO ORDERING. **NOT ALL FIXTURES USED ON ALL JOBS.

GENERAL NOTES	
A.	LIGHTING SHALL BE CIRCUITED EXACTLY AS SHOWN ON PLANS.
B.	SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION AND QUANTITY OF LIGHTING FIXTURES.
C.	EMERGENCY AND EXIT LIGHTS SHALL BE INSTALLED AND CIRCUITED PER THE LATEST NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES. ALL EMERGENCY AND EXIT FIXTURES SHALL BE DUAL VOLTAGE (120/277 VOLT INPUT) <u>WITH 90 MINUTE BATTERY BACKUP.</u>
D.	<u>ELECTRICAL SUB-CONTRACTOR IS RESPONSIBLE FOR ALL REFLECTED CEILING PLAN NOTES ON ARCHITECTURAL DRAWINGS.</u>
E.	ALL FLUORESCENT LIGHTING SHALL BE PROVIDED WITH INTEGRAL DISCONNECTING MEANS PER NEC.
F.	EXTERIOR LIGHTS ARE ASSUMED TO BE EXISTING BY LANDLORD, TO REMAIN.
G.	"NL" DESIGNATES NIGHT LIGHT- 24/7 OPERATION ON SWITCH-RATED BREAKER. (NOT USED ON ALL JOBS.)
H.	THE DIRECTION OF THE BUILDING OFFICIAL REGARDING QUANTITY, LOCATION AND TYPE OF EXIT/EGRESS LIGHTS REQUIRED SHALL TAKE PRECEDENCE OVER WHAT IS SHOWN IN THIS DOCUMENT SET.

- 
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- 
- STATE OF MISSOURI
PETER ADAM
LEPTUCH
NUMBER
PE-2011024021
PROFESSIONAL ENGINEER
- P.A. Leptuch* 03/21/24

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△	05/29/24	FIRE COMMENTS

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LIGHTING PLAN

Sheet: **E2.0**

VERIFY SIGN LOCATION AND QUANTITY WITH SEPARATELY PERMITTED SIGN PACKAGE.

SIGNAGE SHALL COMPLY WITH PERMITTED SIGN PACKAGE. ADJUST WHAT IS SHOWN HERE (QUANTITY AND LOCATION) TO MATCH SIGNAGE SET, TYPICAL UNDER A SEPARATE PERMIT.

LENGTH	CIRCUIT WIRE SIZE	HOMERUN WIRE SIZE
1FT TO 50FT	NO.12 AWG	NO.12 AWG
51FT TO 75FT	NO.12 AWG	NO.10 AWG
76FT TO 120FT	NO.10 AWG	NO.8 AWG
121FT TO 190FT	NO.10 AWG	NO.6 AWG
191FT TO 300FT	NO.10 AWG	NO.4 AWG

BRANCH CIRCUIT WIRING SCHEDULE

OCPD AMPS	1P-2W+G, 2P-2W+G	2P-3W+G & 3P-3W+G	3P-4W+G
15	2#12, 1#12G, 3/4"C	3#12, 1#12G, 3/4"C	4#12, 1#12G, 3/4"C
20	2#12, 1#12G, 3/4"C	3#12, 1#12G, 3/4"C	4#12, 1#12G, 3/4"C
25	2#10, 1#10G, 3/4"C	3#10, 1#10G, 3/4"C	4#10, 1#10G, 3/4"C
30	2#10, 1#10G, 3/4"C	3#10, 1#10G, 3/4"C	4#10, 1#10G, 3/4"C
35	2#8, 1#10G, 3/4"C	3#8, 1#10G, 3/4"C	4#8, 1#10G, 3/4"C
40	2#8, 1#10G, 3/4"C	3#8, 1#10G, 3/4"C	4#8, 1#10G, 3/4"C
45	2#6, 1#10G, 3/4"C	3#6, 1#10G, 3/4"C	4#6, 1#10G, 1"C
50	2#6, 1#10G, 3/4"C	3#6, 1#10G, 3/4"C	4#6, 1#10G, 1"C
60	2#4, 1#10G, 3/4"C	3#4, 1#10G, 1"C	4#4, 1#10G, 1 1/4"C
70	2#4, 1#8G, 3/4"C	3#4, 1#8G, 1"C	4#4, 1#8G, 1 1/4"C
80	2#3, 1#8G, 1"C	3#3, 1#8G, 1"C	4#3, 1#8G, 1 1/4"C
90	2#2, 1#8G, 1"C	3#2, 1#8G, 1 1/4"C	4#2, 1#8G, 1 1/4"C
100	2#1, 1#8G, 1 1/4"C	3#1, 1#8G, 1 1/4"C	4#1, 1#8G, 1 1/2"C

NOTE:
1. CONTRACTOR TO INCREASE WIRE SIZING FOR LONG RUNS OF WIRING FOR VOLTAGE DROP ALLOWANCE. VOLTAGE DROP SHALL NOT EXCEED 3 PERCENT.

ELECTRICAL ONE-LINE RISER DIAGRAM NOTES

- INSPECT AND REUSE DISCONNECT AND OVERCURRENT PROTECTION MEANS, FEEDERS AND WHERE POSSIBLE ELECTRICAL PANELS. BRANCH CIRCUIT WIRING SHALL BE ALL COPPER CONDUCTORS.
- PROVIDE FEEDER FOR TENANT SERVICE. VERIFY LOCATION OF BUILDING ELECTRICAL SERVICE GEAR IN FIELD.
- E.C. SHALL VERIFY LENGTH OF FEEDERS PRIOR TO (AND INCLUDE PRICING IN) BID.
- ALL PANELS AND SUB-PANELS SHALL HAVE LOCKS. ALL PANELS SHALL BE SQUARE D / EATON / CUTLER-HAMMER & SUB-PANELS AND PANELS 600A OR LESS SHALL FIT INTO A 6" STUD WALL WITH LOCKING FLUSH MOUNT COVERS.
- G.C. SHALL CONFIRM VOLTAGE AVAILABLE ON SITE PRIOR TO ORDERING ANY NEW HVAC EQUIPMENT OR ELECTRICAL GEAR. NOTIFY ENGINEER IF VOLTAGE IS DIFFERENT THAN AS SHOWN.
- HVAC BREAKER SIZES SHALL BE CONFIRMED WITH UNITS AND/OR EQUIPMENT THAT ARRIVE ON SITE. BREAKER SIZES AND WIRE SIZES SHALL BE ADJUSTED AS NECESSARY.
- PROVIDE LOCK-ON BREAKERS FOR ALL NLYEM AND SECURITY/PHONE CIRCUITS, REFRIGERATION EQUIPMENT, DUCT DETECTORS, AND TIME CLOCK OR OTHER EQUIPMENT REQUIRED TO HAVE POWER 24/7 WITHOUT INTERRUPTION.
- ON 480V JOBS, AS NEEDED, PROVIDE SECONDARY DISCONNECT (FUSED) WITHIN 10' OF THE STEP DOWN TRANSFORMER WHERE SECONDARY CONDUCTOR DISTANCE IS >25' OR AS REQUIRED ELSEWHERE BY THE TAP RULE.
- ELECTRICAL PANELS SHALL BE SERIES RATED WITH COORDINATED BREAKERS. WHERE POSSIBLE, ORDER ALL PANELS FROM ONE MANUFACTURER FOR A COMPLETE COORDINATED PACKAGE.
- PROVIDE ANCILLARY POWER AS NEEDED FOR ITEMS SUCH AS FLUSH SENSORS, DUCT DETECTORS, CAMERA/MUSIC SYSTEMS, ETC. COORDINATE REQUIREMENTS WITH OWNER'S REP.
- ALL ELECTRICAL CIRCUITS UNDER TYPE 1 HOODS SHALL BE EQUIPPED WITH SHUNT TRIP BREAKERS FOR AUTOMATIC SHUTDOWN OF COOKING ENERGY SOURCE UPON RECEIPT OF A SIGNAL FROM THE HOOD CONTROLLER, OR EQUAL.
- AREA SMOKE DETECTORS AND DUCT SMOKE DETECTORS SHALL BE INSTALLED AND CIRCUITED TO AN OPEN 20A/1P CIRCUIT.
- VERIFY FAULT DUTY (SCOR) OF EX. PANEL, SUB-PANEL TO MATCH OR SHALL HAVE SERIES RATED BREAKER FROM SAME MANUFACTURER AS MAIN PANEL.
- ELECTRICAL CONTRACTOR SHALL VERIFY AVAILABLE FAULT WITH UTILITY CO. PRIOR TO ENERGIZING SERVICE.
- DISCONNECTS SHALL BE RATED FOR VOLTAGE OF EQUIPMENT SERVED.
- ALL WIRING IS COPPER, SIZED FOR 75° C THWN. EQUIVALENT ALUMINUM WIRING SIZED PER NEC IS ACCEPTABLE.
- FEEDER CONDUIT SHALL BE RIGID METALLIC CONDUIT, OR PVC SUITABLE (RATED) FOR ELECTRICAL USE.
- DISCONNECTS SHALL BE PROVIDED WHERE REQUIRED BY CODE AND ORDERED AT THE VOLTAGE OF THE EQUIPMENT SERVED.

LEE'S SUMMIT, MO NOTE:

ELECTRICAL RISER DIAGRAM HAS BEEN REPRODUCED FROM PREVIOUS DRAWINGS DATED 02/19/2024.

LEE'S SUMMIT, MO NOTE:

CONTRACTOR SHALL SERVICE EXISTING PANEL, FEEDERS, CONDUITS, DISCONNECTS, ETC. INTENDED FOR REUSE AND BRING GEAR TO LIKE NEW CONDITION.

LEE'S SUMMIT, MO NOTE:

CONTRACTOR MAY REUSE EXISTING TIMECLOCK WHERE PRESENT AND ADEQUATE IN SIZE, CONDITION, AND CAPACITY. TIMECLOCK SHALL HAVE 12-HOUR BATTERY BACKUP.

PANELBOARD SCHEDULE - 'P2' (EX.)

MAIN: 400A MLO			VOLTAGE: 208/120										PHASE: 3					WIRE: 4					MOUNTING: SURFACE		AIC: 65K			
CKT #	TRIP POLE	DESCRIPTION	LOAD (KVA)										LOAD (KVA)										TRIP POLE	CKT #				
			LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION								
1	20/1	(EX.) HVAC REC.		0.4											3.5				(EX.) RTU-4	40/3	2							
3	50/3	W.H. (9KW ELEC TANK)							2.3						3.5				-	-	4							
5	-	-							4.5						3.5				-	-	6							
7	-	-							2.3						3.1				(EX.) RTU-6	35/3	8							
9	15/2	SAUNA (1) (ADA-SOCIAL)							1.7						3.1				-	-	10							
11	-	-							1.7						3.1				-	-	12							
13	15/2	SAUNA (2)							1.5								1.5		SAUNA (5)	15/2	14							
15	-	-							1.5								1.5		-	-	16							
17	15/2	SAUNA (3)							1.5								1.5		SAUNA (6)	15/2	18							
19	-	-							1.5								1.5		-	-	20							
21	15/2	SAUNA (4)							1.5								1.5		FUTURE SAUNA	15/2	22							
23	-	-							1.5								1.5		-	-	24							
25	15/2	FUTURE SAUNA							1.5								1.7		SAUNA (7) (SOCIAL)	15/2	26							
27	-	-							1.5								1.7		-	-	28							
29	20/1	RED LIGHT THERAPY							1.8								1.8		RED LIGHT THERAPY	20/1	30							
31	20/1	FUTURE RED LIGHT THERAPY							1.8								2.5		CLOTHES DRYER (ELEC)	30/2	32							
33	30/2	CLOTHES DRYER (ELEC)							2.5								2.5		(GFCI)	-	34							
35	-	(GFCI)							2.5								2.5		CLOTHES DRYER (ELEC)	30/2	36							
37	30/2	CLOTHES DRYER (ELEC)							2.5								2.5		(GFCI)	-	38							
39	-	(GFCI)							2.5								1.8		CLOTHES WASHER (GFCI)	20/1	40							
41	20/1	RECIRC. PUMP/UTILITY REC.		0.5													1.8		CLOTHES WASHER (GFCI)	20/1	42							
SECTION 2																						SECTION 2						
43	20/1	TELECOM BOARD / NVR		0.4													0.2		TIMECLOCK	20/1	44							
45	20/1	DRINKING FOUNTAIN								0.5							0.5		SPEAKERS	20/1	46							
47	20/1	RESTROOM REC.		0.4									0.5						HALLWAY REC.	20/1	48							
49	20/1	CONV. REC (SAUNA ROOM)		0.7									0.9						CONV. REC (SAUNA ROOM)	20/1	50							
51	20/1	U/C FRIDGE (RECEPTION)								1.0									U/C FRIDGE (RECEPTION)	20/1	52							
53	20/1	BACKWRAP REC.		0.2									0.7						RECEPTION DESK REC.	20/1	54							
55	20/1	RECEPTION CONV. REC.		0.4									0.5						SHOW WINDOW REC.	20/1	56							
57	20/1	LUUMI		0.5								1.2							STORE FRONT SIGN	20/1	58							
59	20/1	LED SIGN / HALLWAY TAPE LTG		1.3													0.7		MIRROR (SAUNA RM)	20/1	60							
61	20/1	LIGHTING / EF-1.2.3		0.5													0.9		MIRROR (SAUNA RM)	20/1	62							
63	20/1	F.A.C.P. (AS NEEDED)								0.2									SPACE		64							
65	-	SPACE																	SPACE		66							
67	-	SPACE																	SPACE		68							
69	-	SPACE																	SPACE		70							
71	-	SPACE																	SPACE		72							
73	-	SPACE																	SPACE		74							
75	-	SPACE																	SPACE		76							
77	-	SPACE																	SPACE		78							
79	-	SPACE																	SPACE		80							
81	-	SPACE																	SPACE		82							
83	-	SPACE																	SPACE		84							
LIGHTING (KVA):			3.1	1.9	3.4	0.0	0.0	0.0	0.0	39.2		1.2	2.7	0.0	19.8	0.0	0.0	30.7	CONNECTED LOAD (KVA):			98.9						
RECEPTACLES (KVA):			6.1																			DEMAND LOAD (KVA):			98.9			
MOTORS (KVA):			0.0																			CONNECTED LOAD (AMPS):			274.5			
A/C (KVA):			19.8																			DEMAND LOAD (AMPS):			274.5			
HEATING (KVA):			0.0																			AMPACITY REQUIRED:			276.7			
KITCHEN (KVA):			0.0																									
MISCELLANEOUS (KVA):			69.9																									
NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.																												

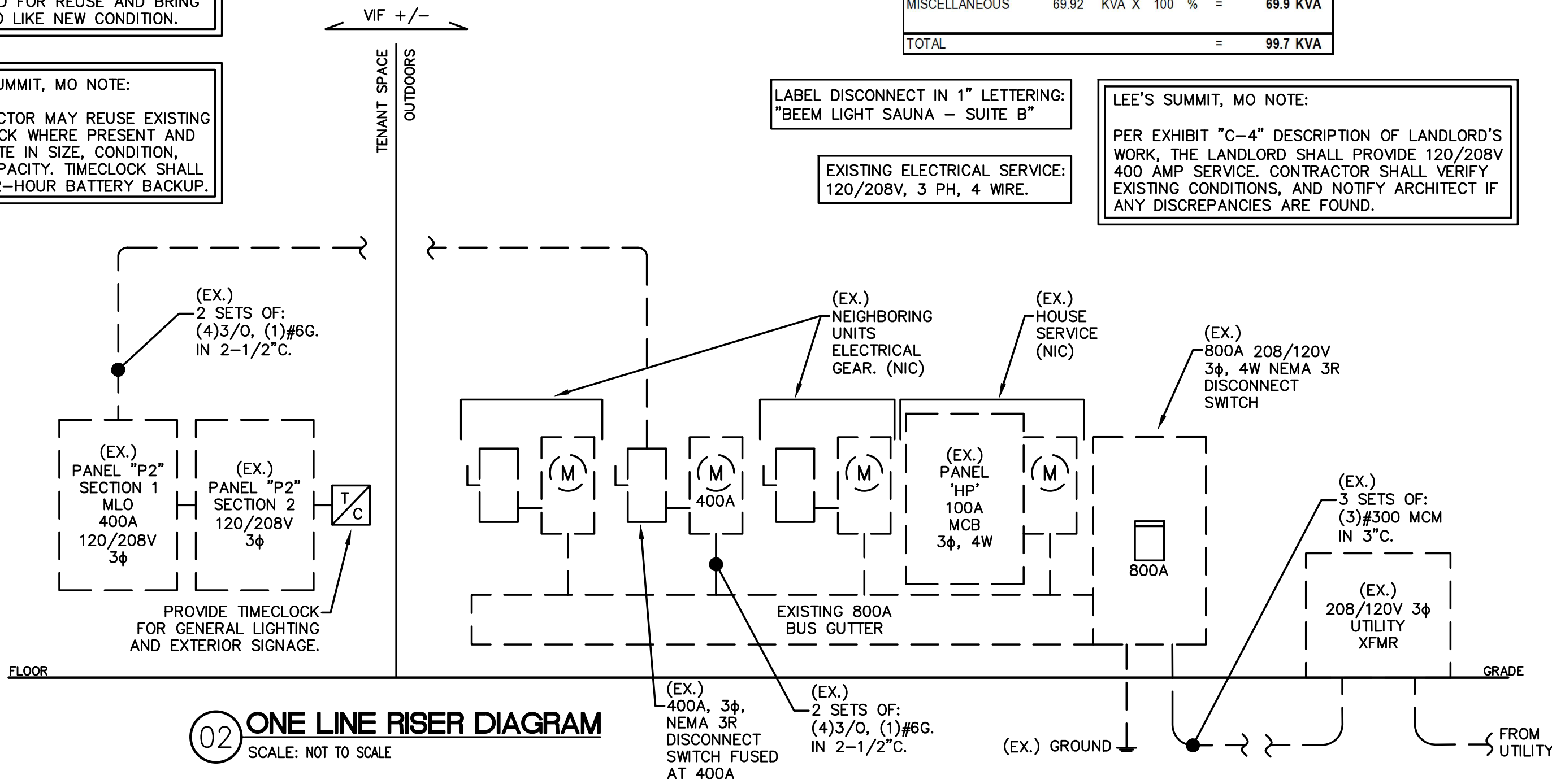
- *BALANCE ALL PANELS TO WITHIN 10%
- **PANEL DIRECTORIES TO BE TYPE LABELED.
- ***ALL CLOTHES WASHER AND DRYER BREAKERS SHALL BE GFCI-TYPE.

AMPACITY REQD CALCS

LIGHTING	3.08	KVA	X	125	%	=	3.8 KVA
RECEPTACLE TOTAL	6.12	KVA					
1ST	10.00	KVA	X	100	%	=	6.1 KVA
REMAIN	0.00	KVA	X	50	%	=	0.0 KVA
MOTORS	0.00	KVA	X	100	%	=	0.0 KVA
LARGEST	0.00	KVA	X	125	%	=	0.0 KVA
REMAIN	0.00	KVA	X	100	%	=	0.0 KVA
A/C	19.80	KVA	X	100	%	=	19.8 KVA
HEATING	0.00	KVA	X	100	%	=	0.0 KVA
LOCKED-OUT LOAD		KVA	X	100	%	=	0.0 KVA
KITCHEN	0.00	KVA	X	65	%	=	0.0 KVA
MISCELLANEOUS	69.92	KVA	X	100	%	=	69.9 KVA
TOTAL						=	99.7 KVA

01 PANEL SCHEDULES

SCALE: NOT TO SCALE



02 ONE LINE RISER DIAGRAM

SCALE: NOT TO SCALE

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STATE OF MISSOURI
PETER ADAM LEPTUCH
PROFESSIONAL ENGINEER
NUMBER PE-2011024021
05/23/24

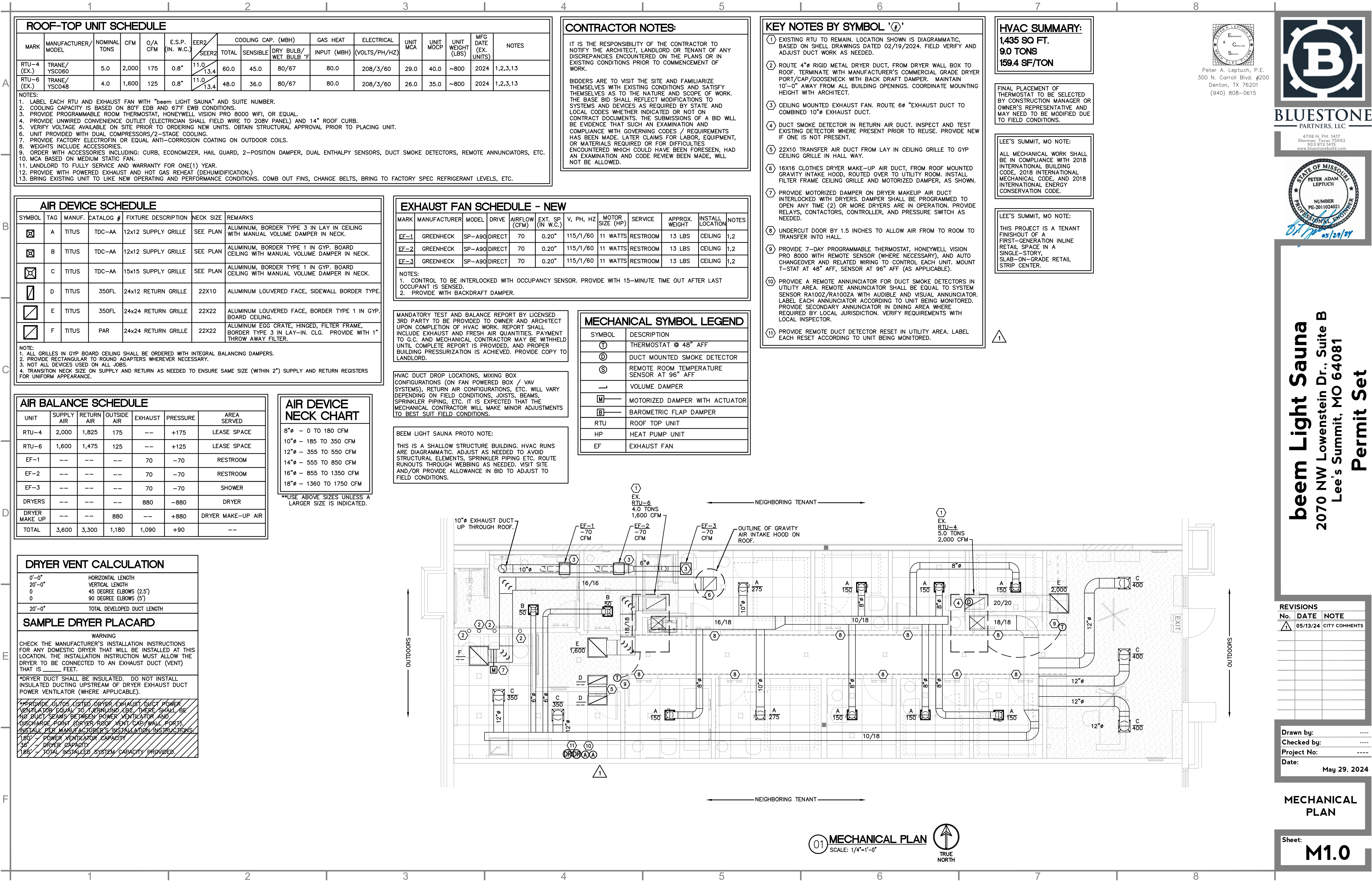
beem Light Sauna
2070 NW Lowenstein Dr., Suite B
Lee's Summit, MO 64081
Permit Set

REVISIONS		
No.	DATE	NOTE

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Checked by: ----
Project No: ----
Date: May 29, 2024

**ELECTRICAL
PANELS &
RISER**

Sheet:
E3.0

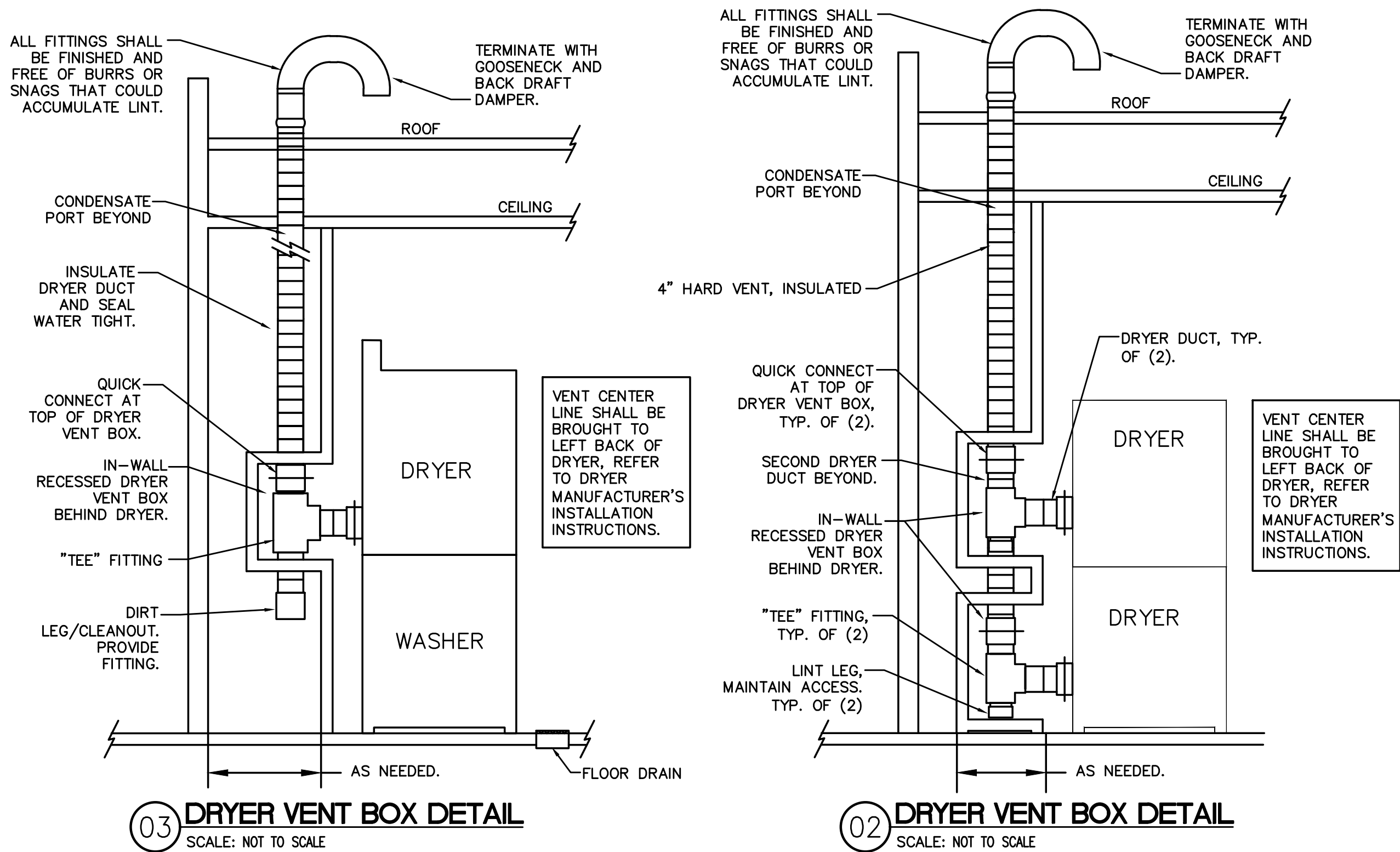
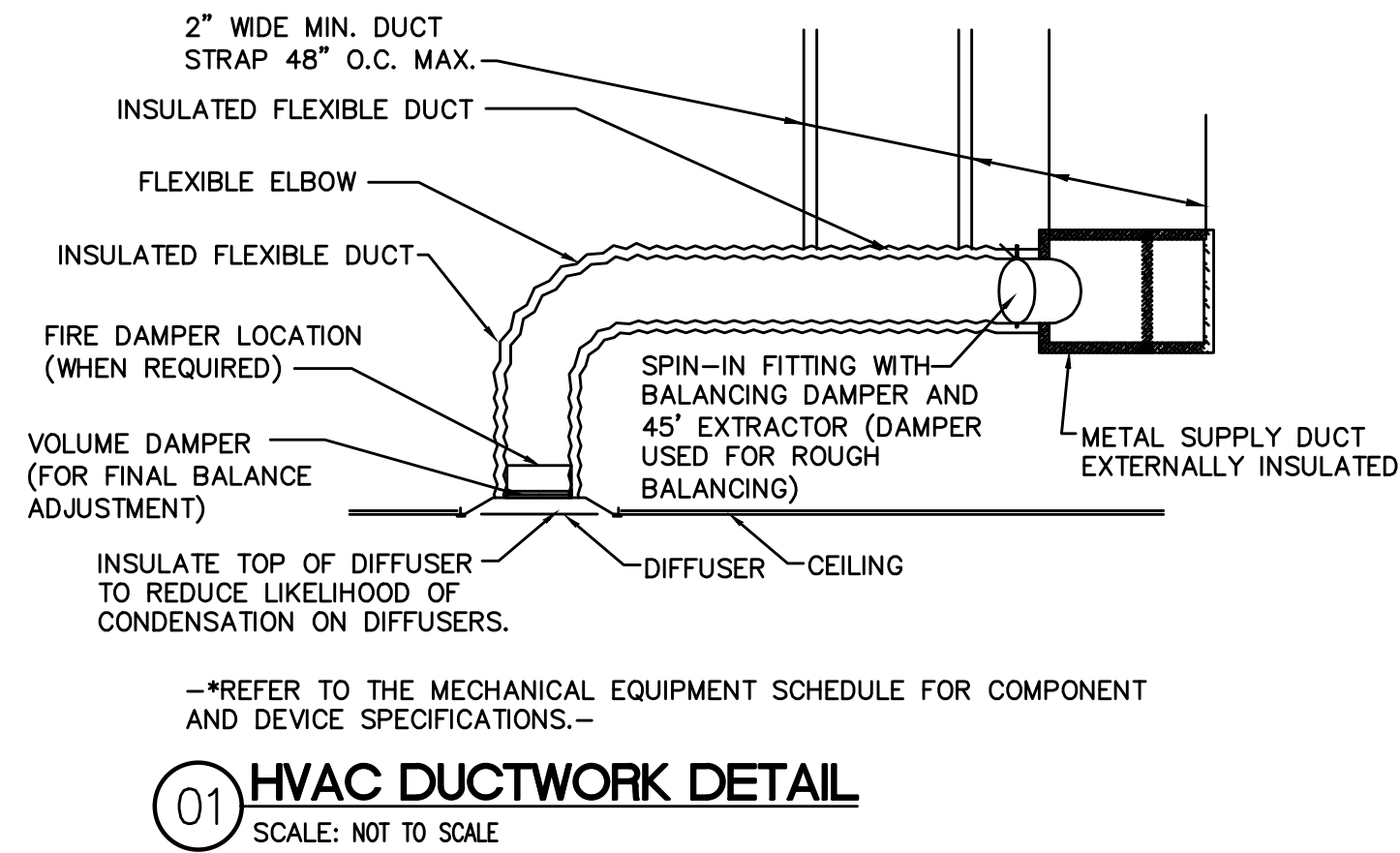


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HVAC Load Calculation - Office Space		4/3/2024	Lee's Summit, MO
Heating Load Analysis:	ASHRAE DESIGN:	DB =	8
Sensible Heat Loss:	Design Temp		70
H_sensible, O.A. = 1.08 * cfm * delta T	H_sensible_OA =	-20088 (dT = 57F)	
H_sensible, O.A. = 1.08 * cfm * delta T	H_sensible_OA =	-6696 (dT = 57F)	
H_sensible, walls = A*u*dT	H_sens_wall =	-2356 (dT = 57F)	
H_sensible, floor = A*u*dT	H_sens_floor =	4305 (dT = 3F)	
H_sensible, roof = A*u*dT	H_sens_roof =	0 (dT = 57F)	
H_sensible, window conductance = A_glass*U*dT	H_sens_glass =	-3989.7	
Outside Air, ventilation =	300 (from ASHRAE calculation)		
Outside Air, intrusion =	100 (from open doors on windy winter days)		
Outside Air =	400		
Roof / Floor Area =	1435 <----- update per site		
Wall Height - Average	19 <----- update per site		
Perimeter (unconditioned)	42 <----- update per site		
Wall Area =	798		
Window length =	12 <----- update per site		
Window height =	11 <----- update per site		
Window Area =	143		
Shading Factor =	0.75 (0 = none, 1.0 = fully shaded)		
R-value Walls = (R_net) =	21 EX.Wall		
U-value Walls =	0.047619048 Average Wall		
R-floor = (R_net) =	1		
U-floor =	1		
R-roof = (R_net) =	38 EX. Roof		
U-roof =	0 Average Roof		
U-glass =	0.45 (1.1/0.55) for (1-pane/2-pane) windows; Energy Star windows (0.55 max.).		
Total Heating Load:	-28824.7		
Safety Factor (25%)	-36030.9 MBH		
Space Load - Tonnage Required	10.55695 KW		

HVAC Load Calculation - Office Space		4/3/2024	Lee's Summit, MO	24.128
Cooling Load Analysis:	ASHRAE DESIGN:	DB =	96	
Sensible Heat:	Basis of Design: Kansas City, MO	WB =	75	
	Design Indoor Temp		72 F	
H_sensible, O.A. = 1.08 * cfm * delta T	H_sensible_OA =	7776 dT =	24	
H_sensible, lighting = watts * 3.413	H_sens_ltg=	4897.655		
H_sensible, people = 250 * # people	H_sens_ppl =	3770		
H_sensible, equipment = watts * 3.413	H_sens_epmt =	40300		
H_sensible, walls = A*u*dT	H_sens_wall =	1520.0 (dT = 40F)		
H_sensible, floor = A*u*dT	H_sens_floor =	1435 (dT = 1F)		
H_sensible, roof = A*u*dT	H_sens_roof =	1888.1579 (dT=50F)		
H_sensible, window conductance = A_glass*U*dT	H_sens_glass =	1930.5		
H_sensible, window transmittance = A_glass*SHGC*Et	H_sens_solar gain =	7239.375		
H_latent, O.A. = 0.68 * q*delta w_grains	H_latent_OA =	5263.2		
H_latent, people = 250 * # people	H_latent_ppl=	3770		
Lighting Load (watts)	1435 (from Comcheck/ T-24/ FlaCom)			
Equipment Load (btu/hr)	40300 (Regular Sauna - 6,000 btu/hr each, Large Sauna - 10,000 btu/hr each)			
Occupant Load	15 (Auto Populate - from ASHRAE calculation)			
Grains O.A. =	98 <----- update per site			
Grains I.A. =	72.2 (72.2 is for saturated air at 58F)			
Outside Air, Ventilation =	300 (Auto Populate - from ASHRAE calculation)			
Roof / Floor Area =	1435 (Auto Populate - from ASHRAE calculation)			
Wall Height - Average	19 <----- update per site			
Perimeter (unconditioned)	42 <----- update per site			
Wall Area =	798			
Window Length =	13 <----- update per site			
Window Height =	11 <----- update per site			
Window Area =	143			
Shading Factor =	0.5 (0 = none, 1.0 = fully shaded)			
R-value Walls = (R_net) =	21 Taken from shell drawings			
U-value Walls =	0.047619 Average Wall			
R-floor = (R_net) =	1			
U-floor =	1			
R-roof = (R_net) =	38 Taken from shell drawings			
U-roof =	0.026316 Average Roof			
U-glass =	0.45 Assumed			
SHGC =	0.45 Assumed			
Et = incident solar radiation	225 (assume peak daily, btu/hr p.s.f. Solar constant is 442 BTU/hr at top of atmos, 317 at sfc.)			
Total Cooling Load:	79789.888			
Space Load - Tonnage Required	6.6491573 tons			
Safety Factor (10%)	87768.877			
Space Load - Recommended Tonnage	7.3140731 tons			
Tonnage Provided	9.0 tons (Existing)			

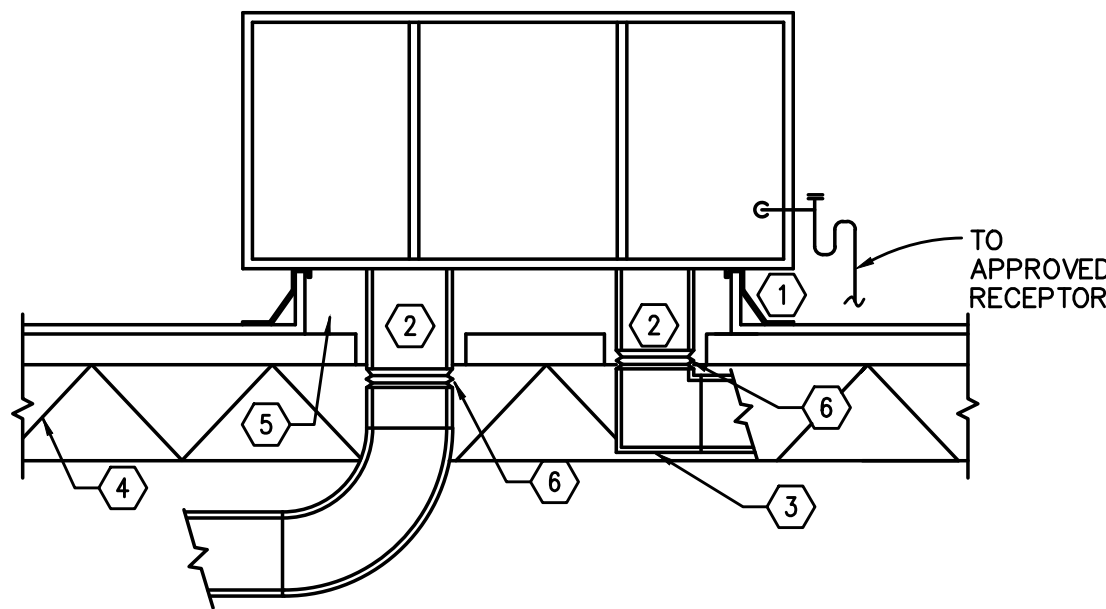
4/3/2024														Lee's Summit, MO		
Zone Identification				Standard Case: IMC - 2018 - Table 403.3 Verification Rate Procedure										Design Case		
Zone	Occupancy Category	Area (sf)	Table 403.3.1.1 People (A ₂)	Table 403.3.1.1 outdoor (#/1000 sf)	Expected Occupant Density (P ₂)	Zone Population (# persons)	Breathing Zone Outdoor Air Flow (CFM)	From Table 403.3.1.1.2 Zone Air Distribution Effectiveness (E ₂)	Zone Outdoor Air Flow (CFM)	Zone Primary Air Flow Fraction (CFM)	Factor: Zp= V _{oa} /V _{ps}	From Table 403.3.1.1.2.3.2 System Ventilation Efficiency (E _s)	Outdoor Air Intake Flow (CFM)	Total Outdoor Airflow provided by HVAC equip. (CFM)	Total Airflow provided by HVAC equip. (CFM)	Design % by which Outside Air Design Flow Exceeds Standard
	Office	632	5	0.06	10	6	69.5	0.8	86.9	1	86.9	1	86.9	100	1200	15.1%
	Reception	278	5	0.06	20	6	44.5	0.8	55.6	1	55.6	1	55.6	100	1000	79.9%
	Restroom	133	0	0	0	0	0.0	0.8	0.0	1	0.0	1	0.0	0	100	
	Breakroom	160	5	0.06	20	3	25.6	0.8	32.0	1	32.0	1	32.0	50	600	56.3%
	Corridor	232	0	0.06	0	0	13.9	0.8	17.4	1	17.4	1	17.4	50	100	187.4%
	Total	1435	5	0.06		15	161.5					Total (CFM):	191.9	300	3000	
V _{ba} = R _{ps} *P ₂ +R _a *A ₂																
V _{ps} = Total airflow provided by the HVAC equipment (Outdoor + Recirculated).																
V _{oa} = V _{ba} /E ₂																
Z _p =V _{oa} /V _{ps}																
Clothes Dryer 880 CFM																
Restroom Required Exhaust = 210 CFM as required by Table 403.3.1.1 minimum exhaust rates.																
Total Exhaust Required = 1090 CFM																
Terminology has been adopted from IMC 2018, refer to Chapter 4 of that code for additional terminology, equations, etc.																



CONDENSATE LINE SIZES:

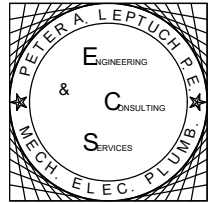
3/4"	UP TO 20 TONS CONNECTED.
1"	UP TO 21–40 TONS CONNECTED.
1–1/4"	UP TO 41–90 TONS CONNECTED.
1–1/2"	UP TO 91–125 TONS CONNECTED.
2"	UP TO 126–250 TONS CONNECTED.

*ROUTE TO APPROVED RECEPTOR VIA AIR GAP.



- SET ROOF CURB ON STRUCTURAL STEEL — SHIM DEAD LEVEL. SECURE ROOF CURB TO METAL DECK AND A/C UNIT TO ROOF CURB.
- TRANSITION TO CONNECTION SIZES IN DUCT RISE, REFER TO PLANS FOR SIZES.
- 1" ACOUSTIC LINING IN SUPPLY AND RETURN DUCTS FROM FAN DISCHARGE TO POINT INDICATED ON MECHANICAL DRAWINGS (10'-0" MIN.). DUCT SIZES INDICATED ON PLAN ARE INTERIOR AND DO NOT INCLUDE LINING. PAINT EXPOSED DUCTWORK TO MATCH CEILING. REFER TO ARCHITECTURAL DRAWINGS FOR COLOR SCHEME.
- THE MECHANICAL ENGINEER DOES NOT PROVIDE STRUCTURAL ENGINEERING SERVICES, AND RECOMMENDS TO THE OWNER THAT ANY ADDITIONS LOAD PLACED ON THE ROOF BE APPROVED BY A STRUCTURAL ENGINEER.
- INSULATED ROOF CURB. PROVIDE MINIMUM OF 14" HIGH RTU CURBS. CURB MUST BE PLACED ON THE STRUCTURAL FRAMING.
- FLEXIBLE CONNECTION — TYPICAL.

IECC 2018 MECHANICAL COMMISSIONING NOTES:		
1.	WHERE 480,000 BTU/H OR MORE OF COOLING CAPACITY AND 600,000 BTU/H OF COMBINED SERVICE WATER-HEATING AND SPACE-HEATING CAPACITY WILL BE INSTALLED IN A TENANT SPACE, COMMISSIONING IS REQUIRED. MECHANICAL COMMISSIONING SHALL COMPLY WITH SECTION C408.2 (MECHANICAL SYSTEMS) OF FBCEC 2023.	
IMC 2018 HVAC NOTES:		
1.	AN AIR OR WATER ECONOMIZER SHALL BE PROVIDED FOR INDIVIDUAL FAN SYSTEMS WITH COOLING CAPACITY GREATER THAN OR EQUAL TO 54,000 BTU/H IN BUILDINGS HAVING OTHER THAN GROUP R OCCUPANCY. THE TOTAL SUPPLY CAPACITY OF ALL FAN COOLING UNITS NOT PROVIDED WITH ECONOMIZERS SHALL NOT EXCEED 20% OF THE TOTAL SUPPLY CAPACITY OF ALL FAN COOLING UNITS IN THE BUILDING, OR 300,000 BTU/H, WHICHEVER IS GREATER. ECONOMIZERS SHALL HAVE FAULT DETECTION AND DIAGNOSIS, PER IECC C403.5.5. CONTRACTORS SHALL ENSURE AT THE TIME OF ORDERING EQUIPMENT THAT THE ECONOMIZERS ARE COMPLIANT WITH FBCEC 2023.	
2.	HVAC DUCT AND PLENUM INSULATION AND SEALING SHALL MEET THE REQUIREMENTS OF C403.12. THESE INCLUDE, BUT ARE NOT LIMITED TO R-6 INSULATION WITHIN BUILDING (DUCT ROUTED IN UNCONDITIONED AREAS) OR HIGHER R-VALUES OUTSIDE OF THE BUILDING ENVELOPE. DUCTS TO BE SEALED PER SECTION 603.9 OF THE I.M.C.	
3.	THE GENERAL CONTRACTOR TO PROVIDE OPERATING AND MAINTENANCE MANUALS FOR ALL EQUIPMENT REQUIRING REGULAR MAINTENANCE. THESE SHALL BE CONSOLIDATED IN A 2" THREE-RING BINDER, OR EQUAL. EQUIPMENT BEING SERVICED SHALL HAVE THE NAME AND PHONE NUMBER OF A COMPANY TRAINED IN SERVICING SAID EQUIPMENT.	
4.	T-STAT SHALL BE SET FOR AN AUTOMATIC NIGHT SETBACK OF 55F (HEAT) AND 85F (COOL) WITH 7-DAY TIME CLOCK, 2-HOUR OVERRIDE AND 10 HOUR BACKUP.	
5.	PROVIDE A 3RD PARTY TEST AND BALANCE REPORT.	
6.	A MINIMUM OF 25% OF DUCTWORK SHALL BE TESTED FOR MAXIMUM DUCT LEAKAGE COMPLIANCE	

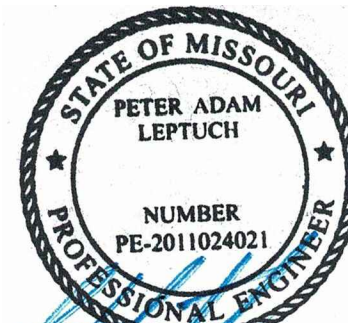


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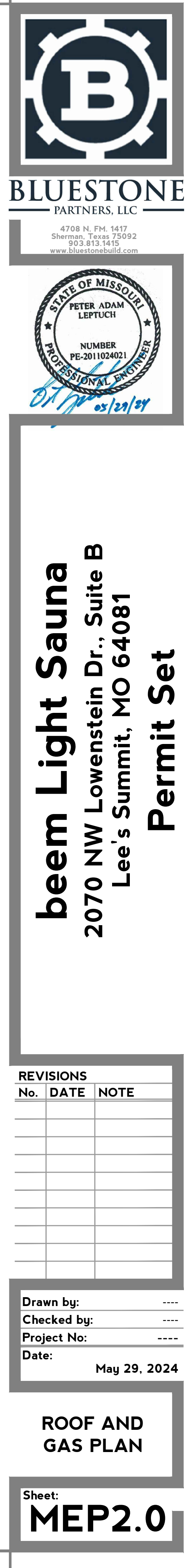
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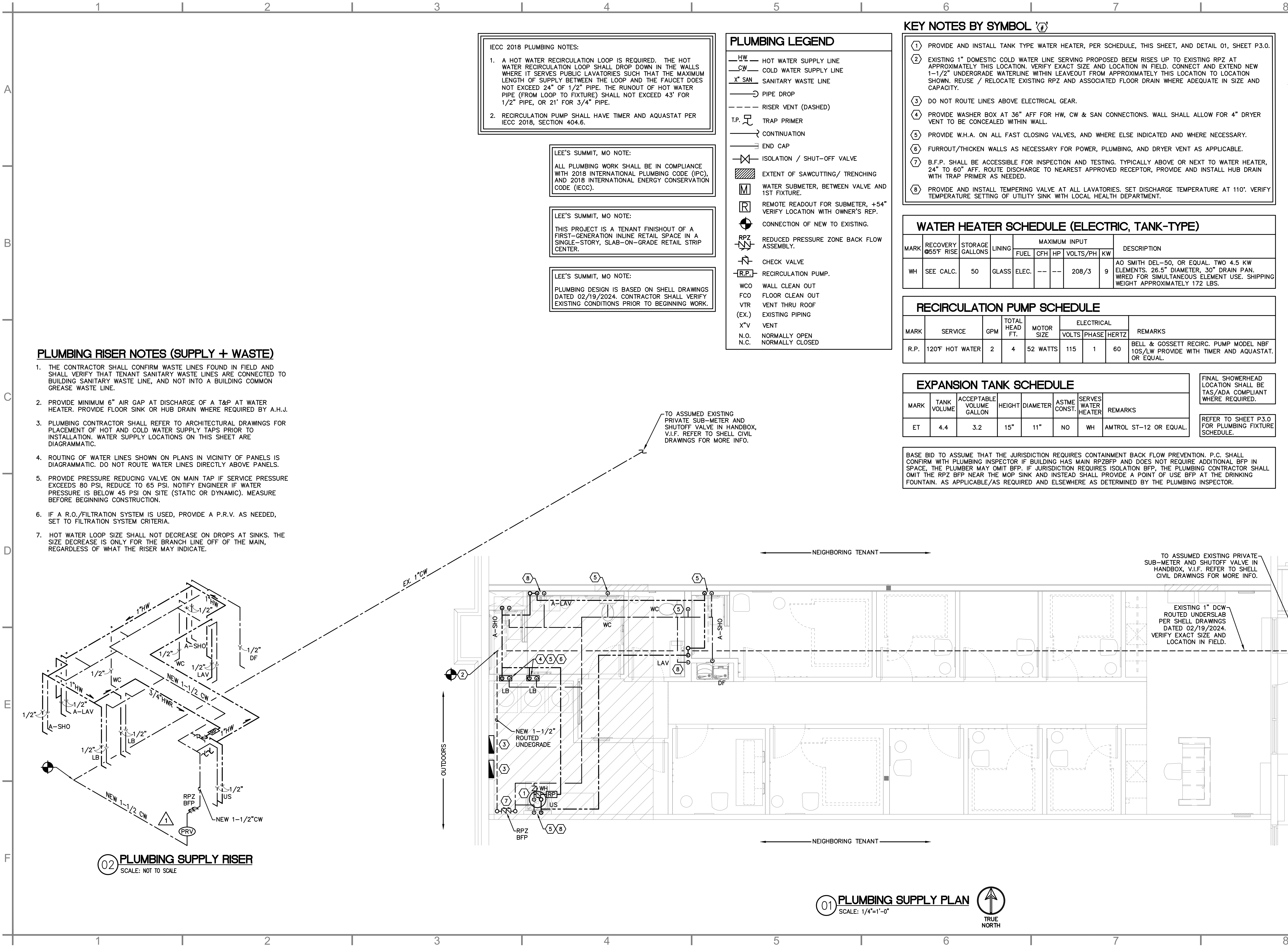
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Date: May 29, 2024

MECHANICAL
LOADS &
DETAILS

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IECC 2018 PLUMBING NOTES:

1. A HOT WATER RECIRCULATION LOOP IS REQUIRED. THE HOT WATER RECIRCULATION LOOP SHALL DROP DOWN IN THE WALLS WHERE IT SERVES PUBLIC LAVATORIES SUCH THAT THE MAXIMUM LENGTH OF SUPPLY BETWEEN THE LOOP AND THE FAUCET DOES NOT EXCEED 24" OF 1/2" PIPE. THE RUNOUT OF HOT WATER PIPE (FROM LOOP TO FIXTURE) SHALL NOT EXCEED 43' FOR 1/2" PIPE, OR 21' FOR 3/4" PIPE.

2. RECIRCULATION PUMP SHALL HAVE TIMER AND AQUASTAT PER IECC 2018, SECTION 404.6.

LEE'S SUMMIT, MO NOTE:

ALL PLUMBING WORK SHALL BE IN COMPLIANCE WITH 2018 INTERNATIONAL PLUMBING CODE (IPC), AND 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC).

LEE'S SUMMIT, MO NOTE:

THIS PROJECT IS A TENANT FINISHOUT OF A FIRST-GENERATION IN-LINE RETAIL SPACE IN A SINGLE-STORY, SLAB-ON-GRADE RETAIL STRIP CENTER.

LEE'S SUMMIT, MO NOTE:

PLUMBING DESIGN IS BASED ON SHELL DRAWINGS DATED 02/19/2024. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK.

PLUMBING LEGEND

- HW HOT WATER SUPPLY LINE
- CW COLD WATER SUPPLY LINE
- X" SAN SANITARY WASTE LINE
- PIPE DROP
- RISER VENT (DASHED)
- T.P. TRAP PRIMER
- CONTINUATION
- END CAP
- ISOLATION / SHUT-OFF VALVE
- EXTENT OF SAWCUTTING/ TRENCHING
- M WATER SUBMETER, BETWEEN VALVE AND 1ST FIXTURE.
- R REMOTE READOUT FOR SUBMETER, +54" VERIFY LOCATION WITH OWNER'S REP.
- CONNECTION OF NEW TO EXISTING.
- RPZ REDUCED PRESSURE ZONE BACK FLOW ASSEMBLY.
- CHECK VALVE
- RP RECIRCULATION PUMP.
- WCO WALL CLEAN OUT
- FCO FLOOR CLEAN OUT
- VTR VENT THRU ROOF
- (EX.) EXISTING PIPING
- X"V VENT
- N.O. NORMALLY OPEN
- N.C. NORMALLY CLOSED

KEY NOTES BY SYMBOL

- 1 PROVIDE AND INSTALL TANK TYPE WATER HEATER, PER SCHEDULE, THIS SHEET, AND DETAIL 01, SHEET P3.0.
- 2 EXISTING 1" DOMESTIC COLD WATER LINE SERVING PROPOSED BEEM RISES UP TO EXISTING RPZ AT APPROXIMATELY THIS LOCATION. VERIFY EXACT SIZE AND LOCATION IN FIELD. CONNECT AND EXTEND NEW 1-1/2" UNDERGRADE WATERLINE WITHIN LEAVEOUT FROM APPROXIMATELY THIS LOCATION TO LOCATION SHOWN. REUSE / RELOCATE EXISTING RPZ AND ASSOCIATED FLOOR DRAIN WHERE ADEQUATE IN SIZE AND CAPACITY.
- 3 DO NOT ROUTE LINES ABOVE ELECTRICAL GEAR.
- 4 PROVIDE WASHER BOX AT 36" AFF FOR HW, CW & SAN CONNECTIONS. WALL SHALL ALLOW FOR 4" DRYER VENT TO BE CONCEALED WITHIN WALL.
- 5 PROVIDE W.H.A. ON ALL FAST CLOSING VALVES, AND WHERE ELSE INDICATED AND WHERE NECESSARY.
- 6 FURROUT/THICKEN WALLS AS NECESSARY FOR POWER, PLUMBING, AND DRYER VENT AS APPLICABLE.
- 7 B.F.P. SHALL BE ACCESSIBLE FOR INSPECTION AND TESTING. TYPICALLY ABOVE OR NEXT TO WATER HEATER, 24" TO 60" AFF. ROUTE DISCHARGE TO NEAREST APPROVED RECEPTOR, PROVIDE AND INSTALL HUB DRAIN WITH TRAP PRIMER AS NEEDED.
- 8 PROVIDE AND INSTALL TEMPERING VALVE AT ALL LAVATORIES. SET DISCHARGE TEMPERATURE AT 110°. VERIFY TEMPERATURE SETTING OF UTILITY SINK WITH LOCAL HEALTH DEPARTMENT.

WATER HEATER SCHEDULE (ELECTRIC, TANK-TYPE)

MARK	RECOVERY 95°F RISE	STORAGE GALLONS	LINING	MAXIMUM INPUT					DESCRIPTION
				FUEL	CFH	HP	VOLTS/PH	KW	
WH	SEE CALC.	50	GLASS	ELEC.	---	---	208/3	9	AO SMITH DEL-50, OR EQUAL. TWO 4.5 KW ELEMENTS. 26.5" DIAMETER, 30" DRAIN PAN. WIRED FOR SIMULTANEOUS ELEMENT USE. SHIPPING WEIGHT APPROXIMATELY 172 LBS.

RECIRCULATION PUMP SCHEDULE

MARK	SERVICE	GPM	TOTAL HEAD FT.	MOTOR SIZE	ELECTRICAL			REMARKS
					VOLTS	PHASE	HERTZ	
R.P.	120°F HOT WATER	2	4	52 WATTS	115	1	60	BELL & GOSSETT RECIRC. PUMP MODEL NBF 10S/LW PROVIDE WITH TIMER AND AQUASTAT. OR EQUAL.

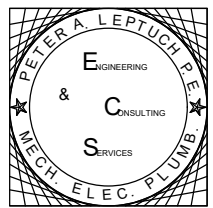
EXPANSION TANK SCHEDULE

MARK	TANK VOLUME	ACCEPTABLE VOLUME GALLON	HEIGHT	DIAMETER	ASTM CONST.	SERVES WATER HEATER	REMARKS
ET	4.4	3.2	15"	11"	NO	WH	AMTROL ST-12 OR EQUAL.

FINAL SHOWERHEAD LOCATION SHALL BE TAS/ADA COMPLIANT WHERE REQUIRED.

REFER TO SHEET P3.0 FOR PLUMBING FIXTURE SCHEDULE.

BASE BID TO ASSUME THAT THE JURISDICTION REQUIRES CONTAINMENT BACK FLOW PREVENTION. P.C. SHALL CONFIRM WITH PLUMBING INSPECTOR IF BUILDING HAS MAIN RPZBFP AND DOES NOT REQUIRE ADDITIONAL BFP IN SPACE, THE PLUMBER MAY OMIT BFP. IF JURISDICTION REQUIRES ISOLATION BFP, THE PLUMBING CONTRACTOR SHALL OMIT THE RPZ BFP NEAR THE MOP SINK AND INSTEAD SHALL PROVIDE A POINT OF USE BFP AT THE DRINKING FOUNTAIN. AS APPLICABLE/AS REQUIRED AND ELSEWHERE AS DETERMINED BY THE PLUMBING INSPECTOR.

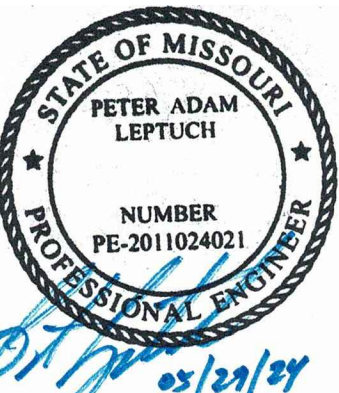


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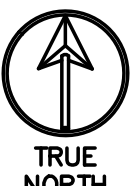
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No.	DATE	NOTE
1	05/13/24	CITY COMMENTS

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Checked by: ----
Project No: ----
Date: May 29, 2024

PLUMBING
SUPPLY
PLAN

Sheet:
P1.0

01 PLUMBING SUPPLY PLAN
SCALE: 1/4"=1'-0"



1 2 3 4 5 6 7 8

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C

D

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KEY NOTES BY SYMBOL

- CONNECT NEW SANITARY SEWER TO EXISTING SANITARY MAIN LINE AT APPROXIMATELY THIS LOCATION, PER SHELL DRAWINGS DATED 02/19/2024. COORDINATE EXACT LOCATION IN FIELD. MINIMIZE NUMBER OF TIE IN POINTS. VERIFY LOCATION, INVERT, AND DIRECTION OF FLOW OF SANITARY MAIN PRIOR TO CONNECTING.
- SLOPE UNDERSLAB 4" SANITARY LINE AT 1/8" PER FOOT, AND 3" SANITARY LINES AT 1/4" PER FOOT.
- COORDINATE ROUTING OF UNDERSLAB WASTE LINES IN FIELD WITH STRUCTURAL ELEMENTS.
- FURROUT / THICKEN WALLS AS NECESSARY FOR POWER, PLUMBING, AND DRYER VENT.
- PROVIDE TRAP PRIMERS ON ALL HUB/FLOOR DRAINS WHERE TRAPS ARE SUBJECT TO DRYING OUT.

REFER TO SHEET P3.0 FOR PLUMBING FIXTURE SCHEDULE.

PLUMBING MATERIALS

A. SANITARY PIPING:

(WHERE NOT OTHERWISE SPECIFIED THROUGHOUT THE DRAWING SET, WASTE, DRAIN AND VENT PIPING SHALL BE PER LOCAL CODE AND AUTHORITY HAVING JURISDICTION.)

- UNDERSLAB DRAIN PIPING SHALL BE SCHEDULE 40 PVC.
- VENT PIPING SHALL BE SCHEDULE 40 PVC. VENT PIPING ABOVE FLOOR 2" OR SMALLER MAY BE GALVANIZED STEEL.
- 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. CONDENSATE PIPING BELOW ROOF DECK MAY BE PVC. PROVIDE SHARKBITE TRANSITION FROM PVC TO COPPER.
- 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.
- PROVIDE LINE-ITEM BID TO UTILIZE PVC, OBTAIN APPROVAL FROM INSPECTOR PRIOR TO INSTALLATION THAT PVC IS ALLOWED FOR THE SPECIFIC HVAC LAYOUT FOR THIS PROJECT.

B. POTABLE WATER PIPING

- ALL HOT AND COLD WATER SUPPLY PIPING, WHERE ALLOWED BY A.H.J. AND OWNER SHALL BE CPVC OR PEX.
- WATER PIPING IN CEILING SPACE AND WITHIN WALLS MAY BE TYPE 'L' COPPER OR PEX, INSTALLED PER MANUFACTURER'S INSTRUCTIONS. PROVIDE SHARK-BITE TRANSITIONS, OR APPROVED EQUALS.
- BELOW GRADE: TYPE "K", ANNEALED TEMPERED COPPER TUBE FOR PIPE SIZES 2 INCHES AND SMALLER. BRAZE ALL JOINTS.
- WHERE APPLICABLE, TRANSITIONS BETWEEN COPPER AND PLASTIC PIPE SHALL BE MADE BY SHARKBITE OR SIMILAR TRANSITIONS, RATED FOR USE WITH SUCH MATERIALS AS ARE BEING USED.

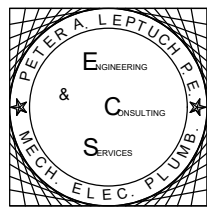
C. GAS PIPING

- GAS LINES SHALL BE BLACK STEEL, SCHEDULE 40, ASTM A-120, WITH MALLEABLE THREADED FITTINGS FOR 2" AND SMALLER, AND WITH WELDED JOINTS FOR 2-1/2" AND LARGER.
- GAS PIPING EXPOSED ON ROOF MUST BE PAINTED WITH RUST-INHIBITING PAINT.

**THIS MATERIALS LIST REPRESENTS THE MINIMUM SPECIFICATIONS SET FORTH BY THE MEP ENGINEER. CONTACT LANDLORD'S REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION TO VERIFY IF THERE ARE ANY ADDITIONAL OR MORE STRINGENT REQUIREMENTS BEYOND THESE.

PLUMBING GENERAL NOTES

- CONTRACTORS AND SUB CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCING THE COMPLETE DOCUMENT SET.
- COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER AND CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE.
- ALL ROOFING WORK (CUTS, REPAIRS, SPUD WORK, ETC.) SHALL BE PERFORMED BY THE LANDLORD'S APPROVED ROOFING CONTRACTOR.
- DRAWINGS FOR THE PLUMBING WORK ARE DIAGRAMMATIC SHOWING THE GENERAL LOCATION, EQUIPMENT TYPE AND LAYOUT, THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO MANUFACTURERS STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE PLUMBING, CONNECTIONS, OFFSETS, ACCESSORIES AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE AUTHORITY HAVING JURISDICTION INCLUDING APPLICABLE LOCAL, STATE AND NATIONAL CODES THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK AND OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- TRENCHING OF EXISTING REINFORCED CONCRETE FLOOR SLAB IS TO BE KEPT TO A MINIMUM QUANTITY AND WIDTH. WHERE CODES PERMIT, GROUP UNDER FLOOR UTILITIES IN SINGLE TRENCHES. THE MINIMUM TRENCH WIDTH IS TO BE TWELVE INCHES (12"). DOWEL NEW SLAB INFILLS INTO EXISTING SLAB EDGES. PROVIDE SLAB INFILL STEEL REINFORCING TO MATCH EXISTING. COAT SAWCUT SLAB EDGES WITH HIGH-STRENGTH BONDING AGENT. LAY IN NEW UNDERSLAB VAPOR BARRIER, LAP AND SEAL TO EXISTING VAPOR BARRIER.
- TENANT IS NOT TO SUSPEND ANY ITEMS FROM THE BOTTOM OF THE ROOF DECK. TENANT IS NOT TO SUSPEND ANY ITEMS FROM THE BOTTOM ROOF JOIST OR JOIST GIRDER CHORDS, WITHOUT WRITTEN APPROVAL OF THE BUILDING SHELL STRUCTURAL ENGINEER OF RECORD. TENANT IS TO SUBMIT PROPOSED DETAILS, FOR ITEMS SUSPENDED FROM THE ROOF STRUCTURE, FOR REVIEW BY SHELL STRUCTURAL ENGINEER.
- IN GENERAL, NO DUCTWORK, CONDUITS, PIPES, BANNERS, SIGNAGE, OR CURTAIN/SUSPENDED FURR-DOWNS OR WALL ARE TO BE SUSPENDED FROM THE BOTTOM OF THE ROOF STRUCTURE, WITHOUT APPROVAL. NO TENANT FINISHOUT WORK IS TO BE SUSPENDED FROM ANY WORK BY ANOTHER TRADE, FROM JOIST BRIDGING OR FROM X-BRACING OR FROM THE BOTTOM OF THE ROOF DECK. SUSPENDED TEE GRID CEILINGS AND LIGHT FIXTURES MAY BE SUSPENDED FROM THE BOTTOM ROOF JOIST AND BOTTOM JOIST GIRDER CHORDS IN MAXIMUM WEIGHTS OF SEVENTY-FIVE (75) POUNDS AT BOTTOM CHORD JOIST PANEL POINTS, WITHOUT ADDED STEEL ANGLE REINFORCING UP TO TOP JOIST CHORDS. SUSPENDED CEILINGS AND LIGHT FIXTURES ARE NOT TO BE SUSPENDED FROM THE BOTTOM OF THE ROOF DECK.
- SET MAXIMUM TEMPERATURE AT HAND SINKS AT 110°F.
- PROVIDE HEAT TRACE ON ALL PIPES INSTALLED IN AREAS SUBJECT TO FREEZING. INSTALL PIPING ON CONDITIONED SIDE OF BUILDING INSULATION.
- PROVIDE CUTOFF ABOVE CEILING, IN ADDITION TO AT FIXTURE WHERE REQUIRED BY A.H.J.
- LABEL ALL ABOVE CEILING VALVES AND OR EQUIPMENT ON T-BAR GRID, ON ACCESS PANELS SERVING SUCH EQUIPMENT. USE 1/2" TEXT ON WHITE PEEL AND STICK LABELS.
- PROVIDE MIXED WATER LINE FROM SHOWER HANDLE MIXING VALVE TO SHOWER HEAD AS NEEDED.
- PROVIDE A PRV WHERE REQUIRED.
- UPPER LEVEL TENANTS SHALL CORE DRILL ALL FLOOR PENETRATIONS SHALL BE X-RAYED. GET LANDLORD APPROVAL PRIOR TO BEGINNING WORK. ALL SUCH RESTORATIONS SHALL BE X-RAYED.

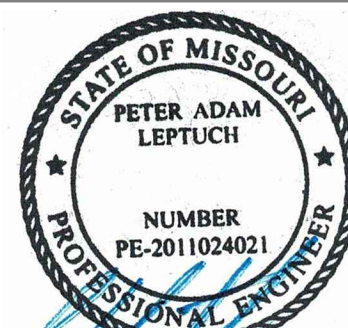


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No.	DATE	NOTE

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Checked by: ----

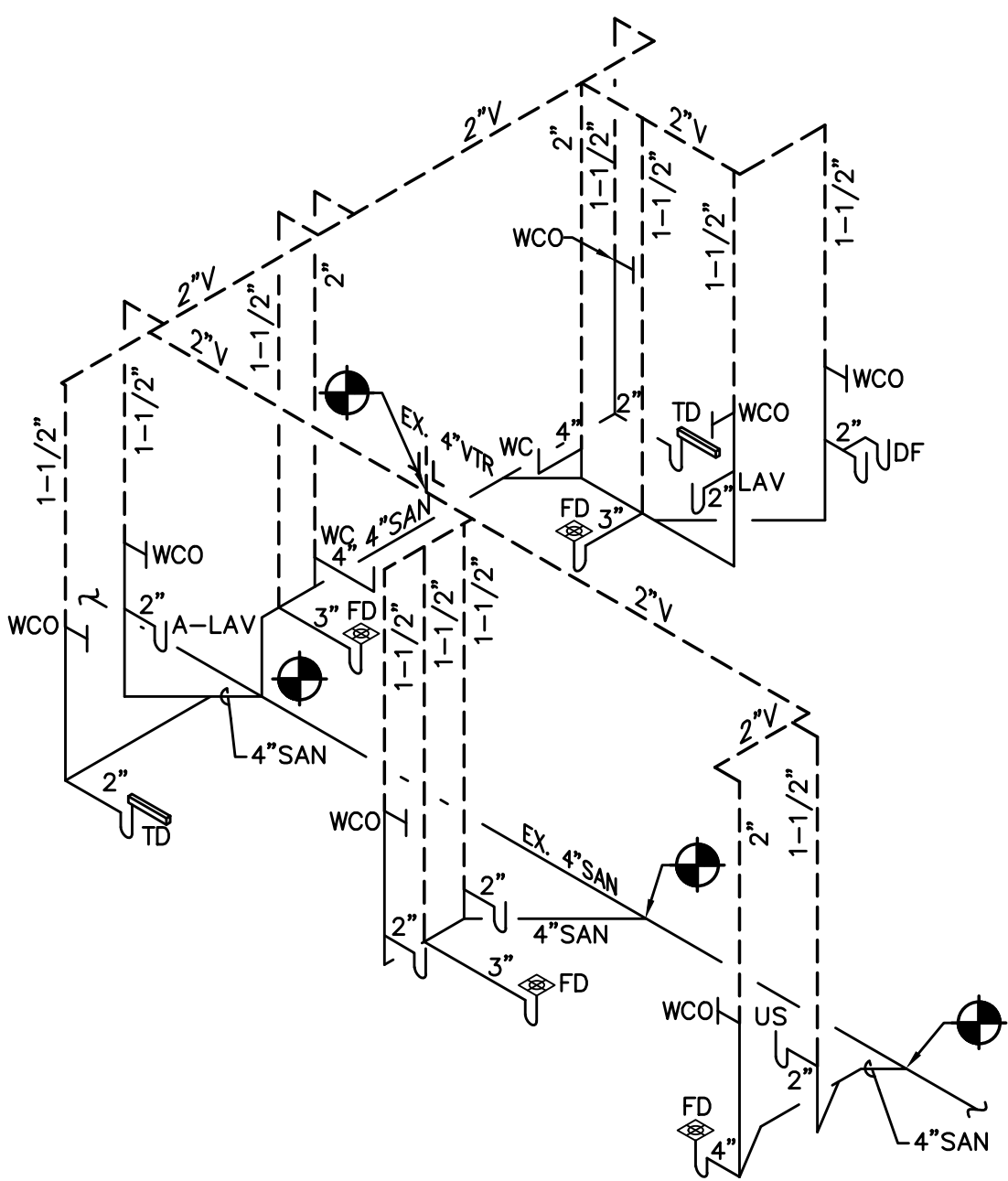
Project No: ----

Date: May 29, 2024

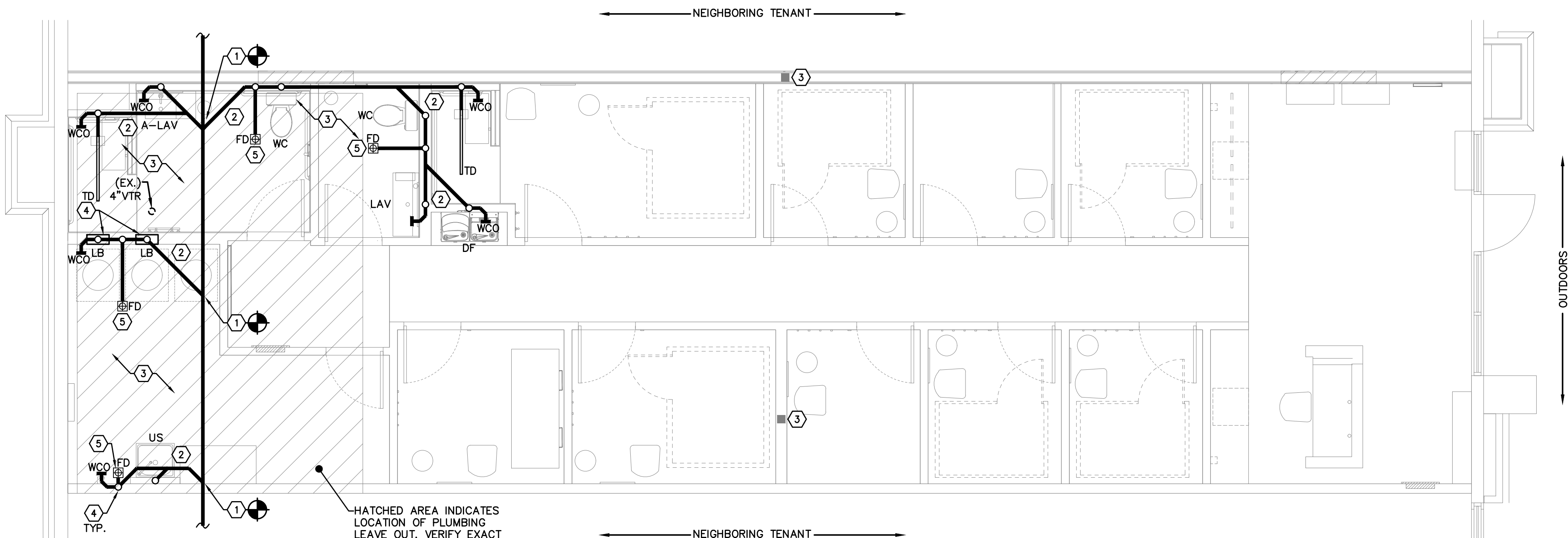
PLUMBING
WASTE PLAN

Sheet:

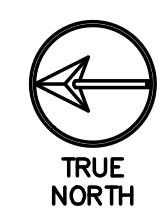
P2.0



02 PLUMBING WASTE RISER
SCALE: NOT TO SCALE



01 PLUMBING WASTE PLAN
SCALE: 1/4"=1'-0"



Storage Tank Water Heater Sizing Calculator				
Developed by the Plan Review Unit of the Environmental Health Services Section				
Facility Name:	beem Light Sauna			
Address:	Lee's Summit, MO			
EQUIPMENT	Quantity	GPH CALCULATED		
Enter the quantity of equipment below		Gallons Per Hour (GPH)		
Lavatory	2	10		
Shower	2	30		
Mop sink	1	5		
Washer	2	13.6		
Hand sinks and mop sinks are calculated at 5 GPH each, showers at 15 GPH each. Hose reels are calculated at 5 GPH, clothes washers at 6.8 GPH, other equipment at the usage entered				Total 58.6
Recovery Rate Needed (GPH):				59
Water Heater Input (BTU or kW) Needed:				
Gas Water Heater		Electric Water Heater		
51,000 BTU at 80°F rise		11 kW at 80°F rise		
58,000 BTU at 90°F rise		13 kW at 90°F rise		
64,000 BTU at 100°F rise		14 kW at 100°F rise		
		17.5 kW at 65°F rise		

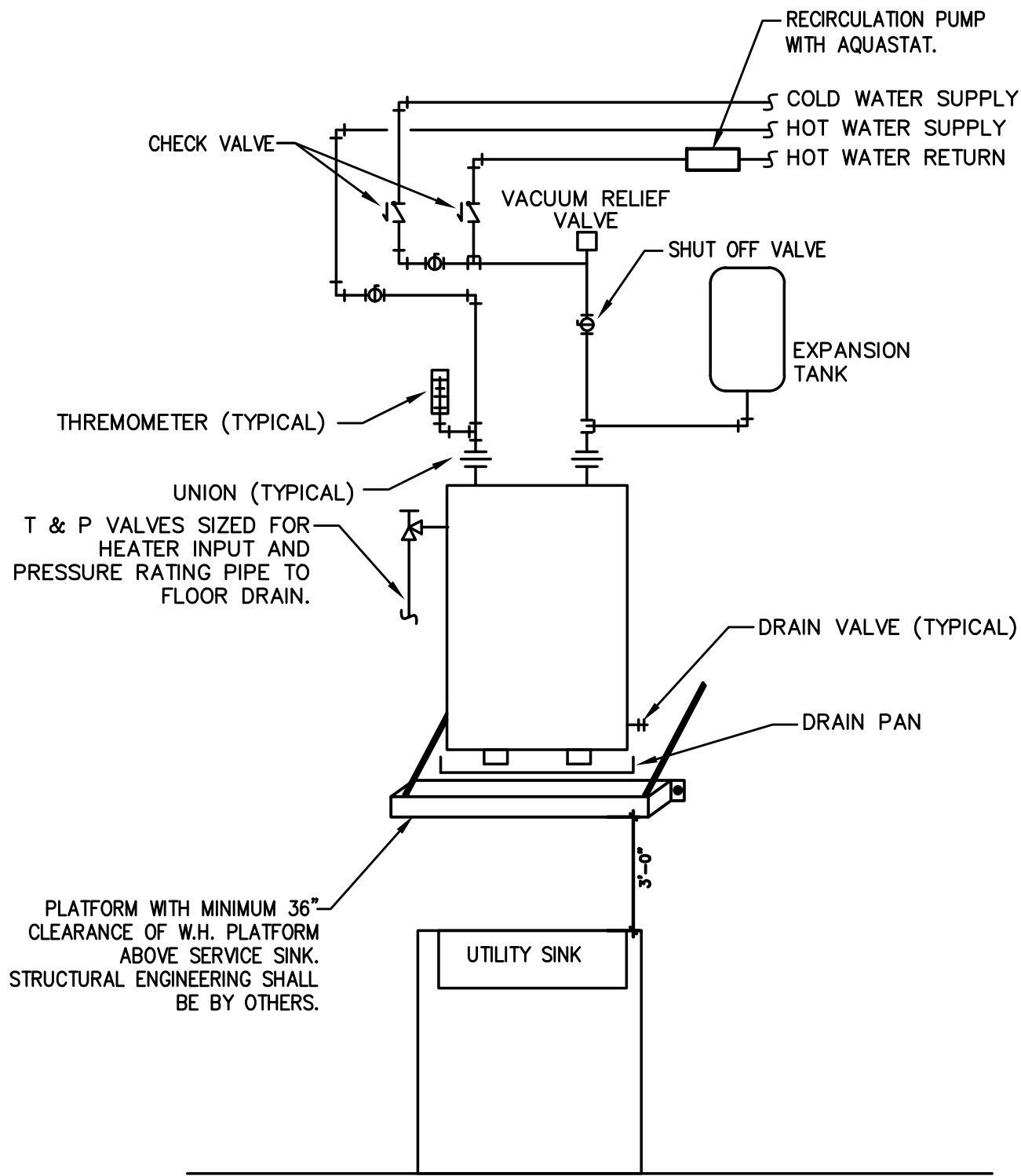
Recovery Calc (For Tank Type Water Heater)	
Temperature Set Point =	110 °F
Incoming Water Temp =	51.1 °F
ΔT =	58.9 °F
1 Gallon water =	8.34 LBS
BTUH = GPH*8.34*ΔT	28,785.84 BTUH
kW = BTUH/3412.142	8.44 kW Required

PLUMBING FIXTURE SCHEDULE						
MARK	FIXTURE	ROUGH-IN-SIZE				DESCRIPTION / REMARKS
		S/W	V	CW	HW	
WC	WATER CLOSET	4"	2"	1/2"	---	FIXTURES: AMERICAN STANDARD COLONY #221AA104.020, 1.28 GPF TANK-TYPE, ADA-COMPLIANT. COLOR: WHITE
A-LAV	LAVATORY (ADA)	2"	1-1/2"	1/2"	1/2"	FIXTURES: NAMEEKS TEOREMA 2 SCARABEO 5114. COLOR: WHITE. ONE FAUCET HOLE. FAUCET: VIGO DAVIDSON VG01043MBK. PROVIDE WITH THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMV, SET AT 110°F.
LAV	LAVATORY	2"	1-1/2"	1/2"	1/2"	FIXTURE: SWISS MADISON CLAIRE SM-CS734. COLOR: WHITE. LEG COLOR: BLACK. FAUCET: VIGO DAVIDSON VG01043MBK. COLOR: MATTE BLACK. PROVIDE WITH THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMV, SET AT 110°F.
FD	FLOOR DRAIN	3"	1-1/2"	---	---	3" CAST IRON FLOOR DRAIN WITH POLISHED NICKEL BRONZE TOP. ZURN Z-415-J (SQUARE), J.R. SMITH NO 2005Y-A, JOSAM3000-S OR APPROVED EQUAL. ADJUSTABLE STRAINER WITH FLASHING CLAMP DEVICE, PROVIDE TRAP PRIMER CONNECTION PER LL REQUIREMENTS.
A-SHO	SHOWER (ADA)	---	---	1/2"	1/2"	DELTA TEMPASSURE SHOWER SYSTEM, MODEL DSS-PIVOTAL-17T01-BL MATTE BLACK
SHO	SHOWER	---	---	1/2"	1/2"	DELTA PIVOTAL SHOWER ONLY TRIM, MODEL T17T299BL, MATTE BLACK
LB	WASHING MACHINE BOX	2"	1-1/2"	1/2"	1/2"	FIXTURE: OATEY #38747 WITH INTEGRAL SHOCK ARRESTERS OR EQUAL
US	UTILITY SINK	2"	1-1/2"	1/2"	1/2"	GLACIER BAY - ALL-IN-ONE 24" LAUNDRY SINK CABINET. COLOR: WHITE. MODEL: QL033Y FAUCET: HD67780-1208D2. PROVIDE WITH MIXING VALVE EQUAL TO WATTS LFMV, SET AT 110°F
BF	BOTTLE FILLING STATION	2"	1-1/2"	1/2"	---	ELKAY - L29WSSMC BOTTLE FILLING STATION. REFER TO ELKAY TEMPLATE FOR WATER ROUGH-IN HEIGHT. MAINTAIN TAS/ADA COMPLIANCE.
DF	DRINKING FOUNTAIN	2"	1-1/2"	1/2"	---	ELKAY - LVRCGRNTLBWSK BOTTLE FILLING STATION AND BI-LEVEL DRINKING FOUNTAIN. REFER TO ELKAY TEMPLATE FOR WATER ROUGH-IN HEIGHT. MAINTAIN TAS/ADA COMPLIANCE.
TD	TRENCH DRAIN	2"	1-1/2"	---	---	INFINITY DRAIN S-LT 3848BK. INSTALL IN CENTER OF SHOWER.
FIXTURE SPECIFICATION NOTE: REFER TO THE ARCHITECTURAL SHEETS AND/OR CORPORATE BUILDOUT PACKAGE FOR PREFERRED SPECIFICATIONS TO ENSURE THE ARCHITECT IS NOT DESIRING AN UPDATED FIXTURE FROM THESE BASELINE SPECIFICATIONS. CONTRACTOR SHALL ALSO THOROUGHLY REVIEW ARCHITECTURAL SHEETS PRIOR TO ORDERING EACH PIECE OF EQUIPMENT FOR COORDINATION FOR THINGS SUCH AS WALL-MOUNT SINKS VERSUS COUNTER-TOP SINKS OR UNDERMOUNT SINKS. MAINTAIN TAS/ADA COMPLIANCE.						

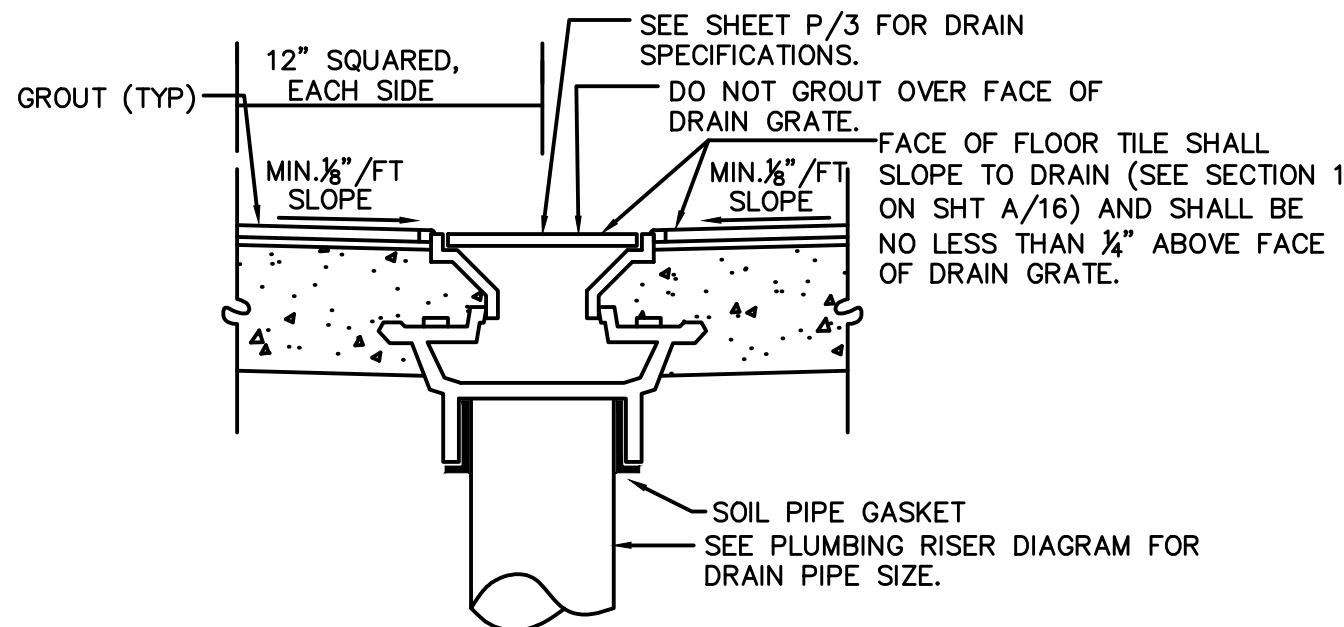
PUBLIC		Load Values, in WSFU			Total WSFU
Fixture	Qty	Cold	Hot	Total	
Drinking Fountain	1	0.25	-	0.25	0.25
Lavatory	2	1.50	1.50	2.00	4.00
Service Sink	1	2.25	2.25	3.00	3.00
Shower Head	2	3.00	3.00	4.00	8.00
Washing Machine (15 lb)	2	3.00	3.00	4.00	8.00
Water Closet (Flush Tank)	2	5.00	-	5.00	10.00
*Values replicated from IPC 2018 Table E103.3(2)				Overall Total =	33.25
FROM 2018 IPC TABLE E201.1					
USING A MAXIMUM DEVELOPMENT LENGTH OF = 300 FEET ASSUMING A PRESSURE RANGE OF 30 TO 39 PSI					
A 1" METER AND SERVICE PIPE AND 1-1/2" DISTRIBUTION PIPE CAN HANDLE 56 WSFU.					
56 WSFU > 33.25 WSFU, THEREFORE A 1" OR LARGER METER AND SERVICE PIPE AND A 1-1/2" DISTRIBUTION PIPE WILL BE SUFFICIENT.					

*NOTIFY ENGINEER IF WATER PRESSURE OR MAXIMUM DEVELOPMENT LENGTH DIFFERS FROM AS SHOWN ABOVE.

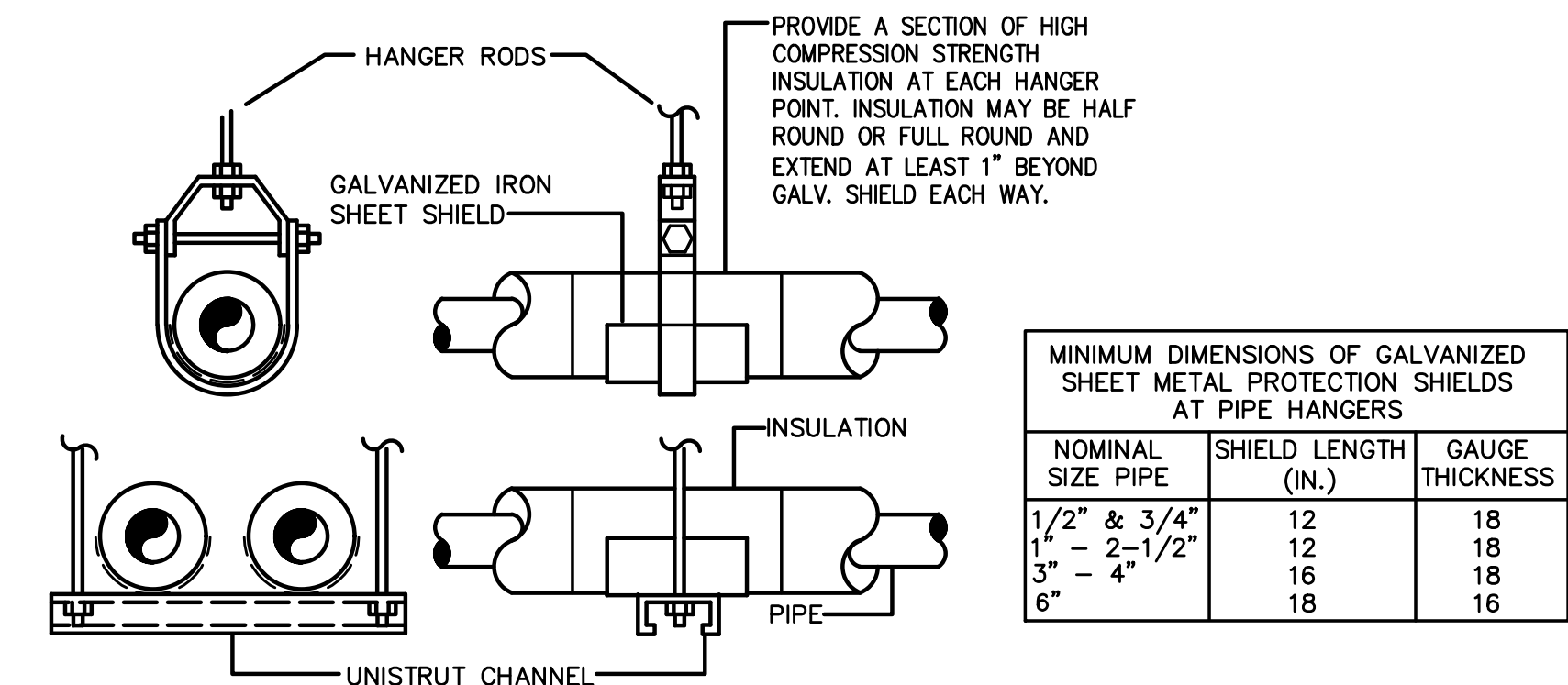
**PER IPC, "FOR FIXTURES NOT LISTED, LOADS SHOULD BE ASSUMED BY COMPARING THE FIXTURE TO ONE LISTED USING WATER IN SIMILAR QUANTITIES AND AT SIMILAR RATES."



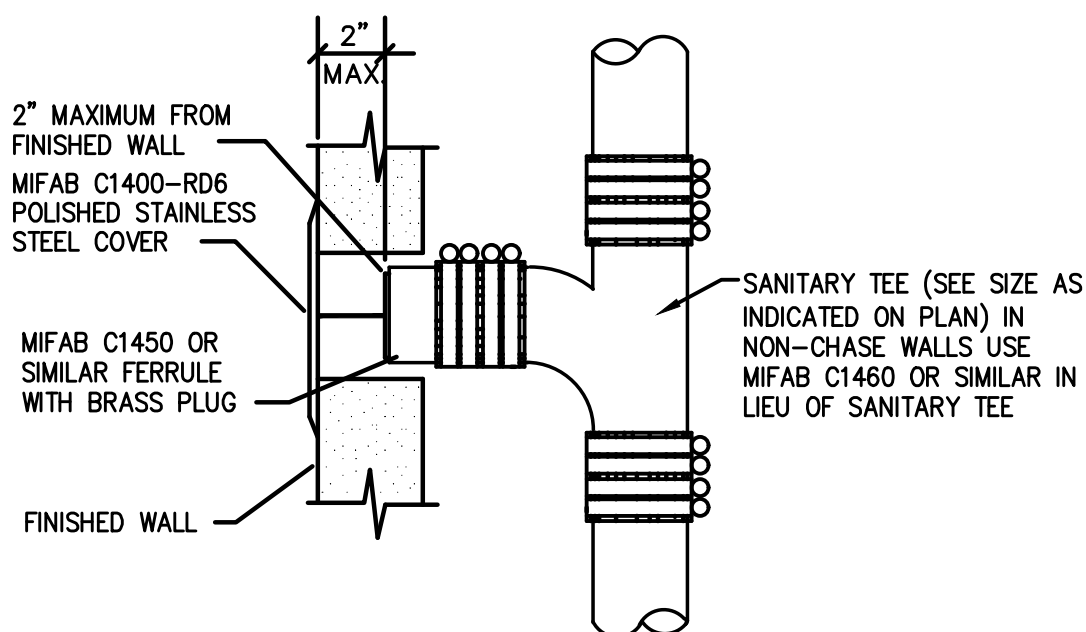
01 TANK-TYPE ELECTRIC WATER HEATER DETAIL
SCALE: NOT TO SCALE



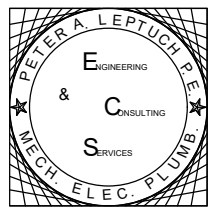
02 FLOOR DRAIN DETAIL
SCALE: NOT TO SCALE



03 HANGER FOR INSULATED PIPING
SCALE: NOT TO SCALE



04 WALL CLEAN OUT DETAIL
SCALE: NOT TO SCALE

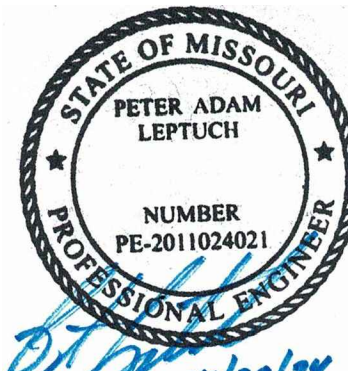


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No.	DATE	NOTE

Drawn by: ----
Checked by: ----
Project No: ----
Date: May 29, 2024

PLUMBING
SCHEDULES
& DETAILS

Sheet:
P3.0



Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: 24.128 - beem Light Sauna - Lee's Summit, MO
Project Type: Alteration

Construction Site:
2070 NW Lowenstein Dr., Suite B
Lee's Summit, Missouri 64081

Owner/Agent:

Designer/Contractor:

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts
1-Sauna (Health Care-Clinic)	1549	0.82	1270
Total Allowed Watts =			1270

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
<u>Sauna (Health Care-Clinic, 1549 sq.ft.)</u>				
LED: A: LED Chandelier: Other:	3	2	119	238
LED: B: 4" Recessed LED: Other:	1	6	11	66
LED: C: 6" Recessed LED: Other:	1	21	11	231
LED: E: LED Tape Light: Other:	1	6	24	144
Total Proposed Watts =				679

Interior Lighting PASSES

Interior Lighting Compliance Statement

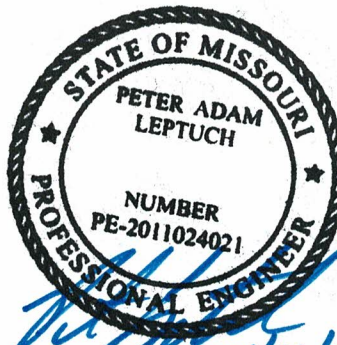
Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Peter A. Leptuch, P.E.
Name - Title

Signature

Date

07/19/24



Project Title: 24.128 - beem Light Sauna - Lee's Summit, MO
Data filename:

Report date: 04/19/24
Page 1 of 8



COMcheck Software Version COMcheckWeb

Mechanical Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: 24.128 - beem Light Sauna - Lee's Summit, MO
Location: Lees Summit, Missouri
Climate Zone: 4a
Project Type: Alteration

Construction Site:
2070 NW Lowenstein Dr., Suite B
Lee's Summit, Missouri 64081

Owner/Agent:

Designer/Contractor:

Mechanical Systems List

Quantity System Type & Description

- 1 Water Heater:
Electric Storage Water Heater, Capacity: 50 gallons w/ Circulation Pump
No minimum efficiency requirement applies

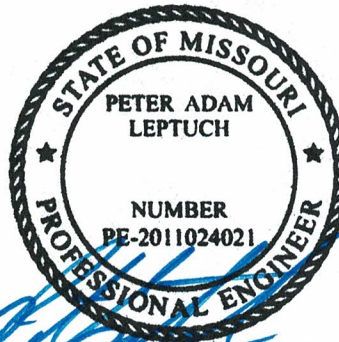
Mechanical Compliance Statement

Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Peter A. Leptuch, P.E.
Name - Title

Signature

Date





Inspection Checklist

Energy Code: 2018 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR3] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system sized per manufacturer's sizing guide.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.1, C404.6.2 [PL3] ¹	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.7 [PL8] ³	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

☐ 1 High Impact (Tier 1)
 ☐ 2 Medium Impact (Tier 2)
 ☒ 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41] ³	Thermally ineffective panel surfaces of sensible heating panels have insulation \geq R-3.5.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.7.2 [ME115] ³	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.7.5 [ME116] ³	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.4.1.4 [ME63] ²	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures $> 45^{\circ}\text{F}$. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint $\leq 60^{\circ}\text{F}$ and cooling setpoint $\geq 80^{\circ}\text{F}$.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.2.1 [ME53] ³	Air outlets and zone terminal devices have means for air balancing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.5, C403.5.1, C403.5.2 [ME123] ³	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2..	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

☐ 1 High Impact (Tier 1)
☐ 2 Medium Impact (Tier 2)
☒ 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22] ¹	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern ≥ 50 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1.1 [EL18] ¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces ≤ 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1.2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aiseways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1.3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces ≥ 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas ≤ 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by $\geq 80\%$ of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.2.1, C405.2.2.2 [EL21] ²	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23] ²	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL26] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL27] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.3 [EL6] ¹	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.6 [EL26] ²	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.7 [EL27] ²	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.8.2, C405.8.2.1 [EL28] ²	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.9 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits $\leq 5\%$.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.3 [FI11] ³	Heat traps installed on supply and discharge piping of non-circulating systems.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.4 [FI25] ²	All piping insulated in accordance with section details and Table C403.11.3.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.1 [FI12] ³	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.4.1 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C408.1.1 [FI57] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.1 [FI16] ³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)