

SCOPE OF TENANTS WORK & GENERAL NOTES

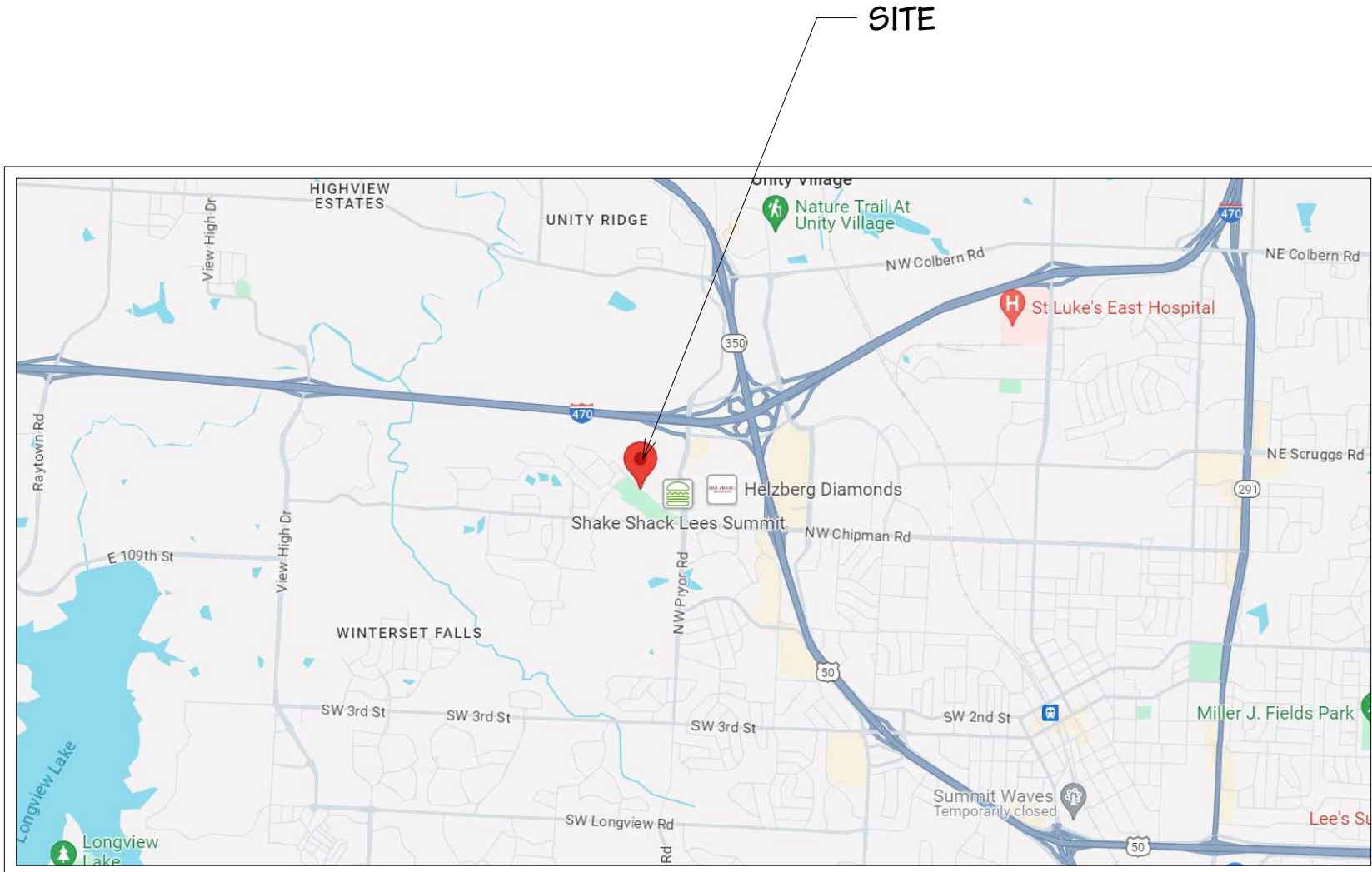
- GENERAL CONTRACTOR (G.C.) SHALL FIELD VERIFY ALL DIMENSIONS AND COLUMN LOCATIONS AT THE JOBSITE, AND BE RESPONSIBLE FOR THE PROPER FITTING OF WORK THERETO. REPORT ANY DISCREPANCIES TO THE ARCHITECT AND TO THE TENANT/FRANCHISEE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- WORK SHALL CONFORM TO APPLICABLE 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

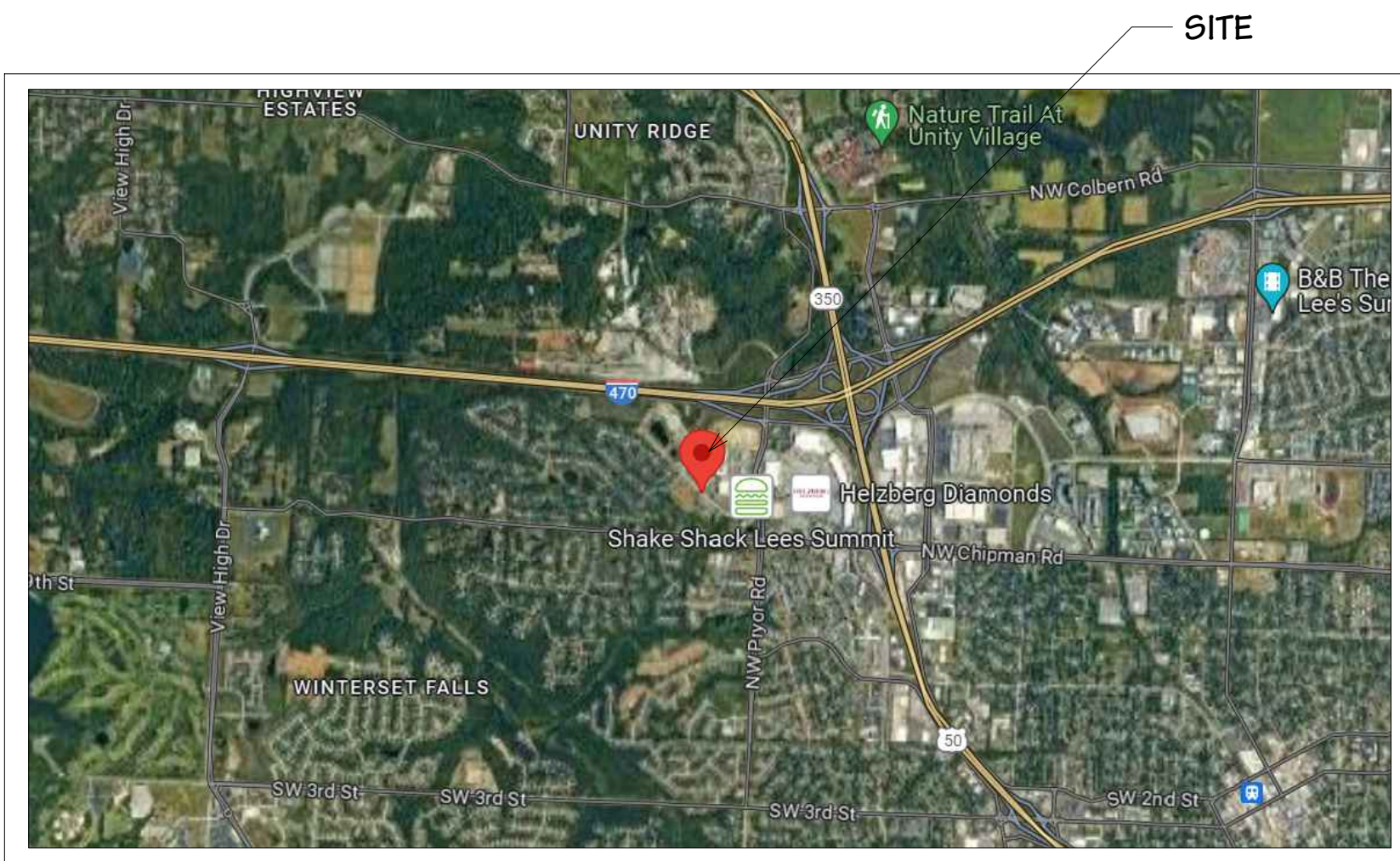
INTERIOR FINISH OUT FOR BEEM LIGHT SAUNA WITH SAUNA SUITES AND RESTROOMS

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

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: II-B FULLY SPRINKLED SPRINKLED: YES FIRE ALARM: VIF (TBD) 1-HOUR PROTECTED: YES NUMBER OF STORIES: 1 CALCULATED LOAD FOR BUILDING OCCUPANCY: 15



BLUESTONE
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April 22, 2024

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

REVISIONS

No.	DATE	NOTE

Drawn by: ----

Checked by: ----



Project No: ----

Date: April 22, 2024

Cover Sheet

Sheet:

G-001

	1	2	3	4	5	6	7	8	
A	1.0 GENERAL DEFINITIONS		19.1 ATTACHMENT OF BUILDING SYSTEMS TO SLAB: THE METHOD OF ATTACHMENT OF TENANT WORK TO THE BASE BUILDING STRUCTURE WILL BE IN ACCORDANCE WITH STANDARDS REQUIRED BY THE LANDLORD. THE T.G.C. WILL CONSULT THE LANDLORD ON THOSE MATTERS PRIOR TO ATTACHMENT OF SYSTEMS.		PRODUCT DESIGNATIONS:		DIVISION 6 - CARPENTRY		<div>  <div> BLUESTONE PARTNERS, LLC 4708 N. FM. 1417 Sherman, Texas 75092 903.813.1410 www.bluestonebldg.com </div> </div> <div> <div>  <div> DRAFT HITCHCOCK NUMBER A-2024010915 ARCHITECT </div> </div> <div> April 22, 2024 </div> </div>
	1.1 "PROVIDE" AND "FURNISH" SHALL MEAN TO PURCHASE AND LOCATE AN ITEM ON THE JOBSITE.		19.2 PLACEMENT OF EQUIPMENT ON ROOF: THE T.G.C. SHALL RESTRICT THE LOCATION OF ALL MECHANICAL EQUIPMENT ON THE ROOF TO MEET LOCAL CODE AND LANDLORD REQUIREMENTS. ANY CHANGES RELATED TO THE MOVING OF EQUIPMENT BECAUSE OF CODE VIOLATIONS OR IF PLACEMENT DOES NOT MEET MANUFACTURER'S REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE T.G.C.		WHEN REFERENCE IS MADE TO TRADE NAMES OR TO THE NAMES OF MANUFACTURERS, SUCH REFERENCES ARE MADE SOLELY TO DESIGNATE OR IDENTIFY THE QUALITY OF MATERIAL OR EQUIPMENT TO BE FURNISHED AND ARE INTENDED TO RESTRICT THE USE OF EQUAL MATERIAL OR EQUIPMENT EXCEPT WHERE SPECIFICALLY STATED OTHERWISE. IF THE CONTRACTOR WISHED TO USE MATERIALS AND EQUIPMENT OTHER THAN THOSE MENTIONED IN THE SPECIFICATIONS, THE CONTRACTOR SHALL SUBMIT IN WRITING AND INCLUDING ADEQUATE INFORMATION REGARDING THE SUBSTITUTION, TO THE OWNER AND/OR ARCHITECT FOR CONSIDERATION.		FINISH CARPENTRY SECTION 06200		
	1.2 "INSTALL" SHALL MEAN TO PHYSICALLY INSTALL THE ITEM, AND TO CONNECT ALL REQUIRED SERVICES TO MAKE THAT ITEM FULLY FUNCTIONAL.		19.3 ROOFING WORK: IT IS THE RESPONSIBILITY OF THE T.G.C. TO DETERMINE IF THE ROOF IS A BONDED ROOF. IF THE ROOF IS BONDED, THE T.G.C. SHALL BE RESPONSIBLE FOR COORDINATING ALL ROOFING WORK WITH LANDLORD'S DESIGNATED ROOFING CONTRACTOR. ANY ROOFING COSTS ASSOCIATED WITH THE PROJECT SHALL BE INCLUDED IN THE T.G.C.'S BID. THE ROOFING CONTRACTOR SHALL WARRANT ALL WORK PER THEIR STANDARD TERM AND CONDITIONS TO THE LANDLORD. THE ROOFING CONTRACTOR SHALL WARRANT ALL ROOF WORK TO THE OWNER FOR A PERIOD OF ONE (1) YEAR FROM THE CERTIFICATE OF OCCUPANCY DATE. ANY WARRANTY PROBLEMS ASSOCIATED WITH THE ROOF SHALL BE COORDINATED THROUGH THE T.G.C.		REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR:		PART ONE - GENERAL		
	1.3 A.F.F. SHALL MEAN "ABOVE FINISHED FLOOR".		20.0 WEATHER PROTECTION		PERMIT FEES AND NOTICES:		1.01 SCOPE:		
	1.4 UNLESS SPECIFICALLY NOTED OTHERWISE, ALL ITEMS SHALL BE FURNISHED AND INSTALLED BY THE G.C.		21.0 COORDINATION OF MATERIAL/EQUIPMENT DELIVERY		UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SECURE AND PAY FOR THE REMOVAL, RELOCATION AND INSTALLATION OF ELECTRICAL UTILITY POLES AND LINES AND FOR WATER, NATURAL GAS AND SEWER "TAP FEES" REQUIRED BY THE UTILITY COMPANIES AND OWNERS OF UTILITIES.		2.01 GENERAL REQUIREMENTS:		
	1.5 "T.G.C." SHALL MEAN THE TENANT GENERAL CONTRACTOR.		PER CONTRACTUAL AGREEMENT BETWEEN OWNER & GENERAL CONTRACTOR.		SUBCONTRACTOR RELATIONS:		2.02 TOUGH HARDWARE:		
	1.6 THE TERM "OWNER" OR "FRANCHISEE" SHALL BE SYNONYMOUS.		22.0 RECEIPT OF MATERIAL/EQUIPMENT		THE CONTRACTOR SHALL INCLUDE IN HIS SUBCONTRACTS THE FOLLOWING CLAUSE: "BY EXECUTING THE CONTRACT BETWEEN THE GENERAL CONTRACTOR AND THE SUBCONTRACTOR, EACH SUBCONTRACTOR AGREES THAT HE HAS MORE CURRENT AND INTIMATE KNOWLEDGE OF PREVAILING CONDITIONS IN HIS SPECIAL FIELD THAN DO GENERALIST. THE SUBCONTRACTOR AGREES TO REPORT TO THE GENERAL CONTRACTOR AS EARLY IN THE PROJECT AS POSSIBLE (PRIOR TO SIGNING THE CONTRACT)/SUBCONTRACTOR CONTRACT IF KNOWN AT THE TIME BUT IN ANY EVENT AS SOON AS KNOWN) ANY WORK REQUIRED BY THE DRAWINGS AND SPECIFICATIONS, OR ANY OF THE OTHER CONTRACT DOCUMENTS WHICH VIOLATES ANY CODE AFFECTING OR CONTROLLING THE SUBCONTRACTOR'S SPECIALTY." THE CONTRACTOR SHALL IN TURN IMMEDIATELY CONVEY THIS INFORMATION OF THE ARCHITECT.		2.03 PLASTIC LAMINATE:		
	2.0 INSURANCE		PER CONTRACTUAL AGREEMENT BETWEEN OWNER & GENERAL CONTRACTOR.		4.0 SUBCONTRACTOR APPROVAL		2.04 PLYWOOD:		
	3.0 PROGRESS PAYMENTS		THE OWNER RETAINS THE RIGHT TO REJECT THE USE OF ANY SUBCONTRACTOR FOR ANY REASON. THE T.G.C. SHALL EMPLOY SUBCONTRACTORS WHO ARE LICENSED IN THE STATE WHERE THE JOB IS LOCATED. THE T.G.C. SHALL ASSUME FULL RESPONSIBILITY TO INSURE THE VALIDITY OF ANY LICENSING INFORMATION AND INSURANCE COVERAGE INFORMATION GIVEN BY HIS SUBCONTRACTORS PRIOR TO THE AWARD OF THE CONTRACT. THE T.G.C. SHALL, UNDER NO CIRCUMSTANCES SHALL ANY SHIPMENT BE REFUSED FOR ANY REASON OTHER THAN DAMAGE, WHICH OCCURRED TO THE MATERIAL/EQUIPMENT DURING SHIPPING (CONTACT OWNER IMMEDIATELY IF DAMAGE HAS OCCURRED). THE T.G.C. SHALL BE HELD ACCOUNTABLE TO CONFIRM THE ITEMS ON THE BILL OF LADING WHERE PRESENT IN THE SHIPMENT. ANY DISCREPANCIES SHALL BE NOTED AT THE TIME OF RECEIPT. ANY HEAVY EQUIPMENT RENTAL (I.E. FORKLIFTS, CRANES, ECT) REQUIRED TO OFF-LOAD AN INCOMING TRUCK AND PLACE EQUIPMENT IN THE SECURED STORAGE AREA SHALL BE THE RESPONSIBILITY OF THE T.G.C. THE T.G.C. SHALL PAY FOR ANY CHARGES INCURRED BECAUSE SHIPMENTS ARE REFUSED.		PER CONTRACTUAL AGREEMENT BETWEEN OWNER & GENERAL CONTRACTOR.		2.05 RFP (FIBERGLASS REINFORCED POLYESTER) PANELS:		
	4.0 SUBCONTRACTOR APPROVAL		23.0 EQUIPMENT STORAGE		DIVISION 1 - GENERAL REQUIREMENTS		2.06 ADHESIVE:		
B	5.0 COORDINATE OF TRADES		24.0 DAMAGED MATERIALS/EQUIPMENT		ONTRACTOR'S USE OF SITE AND PREMISE SECTION 0104		3.01 INSTALLATION:		
	IT WILL BE THE T.G.C.'S RESPONSIBILITY TO COORDINATE THE ACTIVITIES OF ALL CONSTRUCTION TEAM MEMBERS. THE TEAM INCLUDES, BUT IS NOT LIMITED TO, ALL SUBCONTRACTORS, SPECIALTY CONTRACTORS, EQUIPMENT SUPPLIERS, SERVICE PROVIDERS, LOCAL CODE ENFORCEMENT OFFICIALS, AND JOB VALIDATION INSPECTORS. THE T.G.C. SHALL PUBLISH WITHIN FORTY-EIGHT (48) HOURS OF THE CONTRACT BEING SIGNED, A JOB CONTACT LIST AND CONSTRUCTION SCHEDULE FOR THE PROJECT; THE COPY OF THE CONTACT LIST AND CONSTRUCTION SCHEDULE SHALL BE FAXED TO ALL OF THE CONSTRUCTION TEAM MEMBERS.		THE T.G.C. SHALL PROVIDE A STORAGE AREA THAT IS SECURED FROM THEFT, VANDALISM AND WEATHER DURING THE CONSTRUCTION PROCESS FOR ALL SUPPLIES AND EQUIPMENT. AT THE T.G.C.'S DISCRETION, THE T.G.C. MAY ELECT TO HAVE THE EQUIPMENT STORED AT THE TRUCKER'S FREIGHT TERMINAL OR OFF SITE AT THE T.G.C.'S OWN FACILITY. ANY CHARGES INCURRED RELATED TO THE STORAGE AND REDEIVERY OF THE EQUIPMENT SHALL BE THE SOLE RESPONSIBILITY OF THE T.G.C. UNDER NO CIRCUMSTANCES SHALL THE T.G.C. SURROGATE RESPONSIBILITY TO ANY SUBCONTRACTOR AND/OR TEAM MEMBER.		LIMITED USE OF THE SITE: VERIFY WITH THE OWNER OR LANDLORD FOR ESTABLISHED USE LIMITS AND RESTRICTIONS OF THE SITE.		3.02 FINISH HARDWARE:		
	6.0 PROJECT COMPLETION AND VALIDATION		24.2 DAMAGE DURING THE CONSTRUCTION PROCESS: SHOULD ANY MATERIALS/EQUIPMENT BECOME DAMAGED DURING THE CONSTRUCTION PROCESS, THE T.G.C. SHALL CONTACT OWNER IMMEDIATELY TO RECEIVE DIRECTION AS TO THE CORRECT REPAIR PROCESS. THE T.G.C. IS NOT TO PROCEED WITH REPAIRS TO MATERIALS/EQUIPMENT DAMAGED DURING THE CONSTRUCTION PROCESS WITHOUT FIRST SPEAKING WITH THE OWNER. FREIGHT DAMAGE FOUND TWO OR MORE DAYS AFTER DELIVERY WILL BE DEEMED DAMAGE DURING CONSTRUCTION. THE T.G.C. WILL BE RESPONSIBLE FOR ALL REPAIR COSTS FOR ITEMS DAMAGED DURING CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL THE T.G.C. SURROGATE THIS RESPONSIBILITY TO ANY SUBCONTRACTOR AND/OR TEAM MEMBER.		DO NOT COMMENCE WORK WHICH SPECIFICALLY AFFECTS THE OPERATION OF ANY OTHER TENANT WITHOUT FIRST COORDINATING AND MAKING SATISFACTORY ARRANGEMENTS FOR SUCH WORK THROUGH THE OWNER OR LANDLORD.		3.03 PLASTIC LAMINATE:		
	THE PROJECT SHALL BE COMPLETED WHEN THE FOLLOWING VALIDATION PROCESSES, JOBSITE CONDITIONS AND PAPERWORK ARE COMPLETED AND APPROVED BY INSPECTOR AND/OR OWNER REPRESENTATIVE.		6.3 LOCAL CODE ENFORCEMENT INSPECTION: THE T.G.C. SHALL PROVIDE A COPY OF ALL INSPECTION REPORTS COMPLETED BY LOCAL CODE ENFORCEMENT OFFICIALS UPON COMPLETION OF THE PROJECT.		OWNER - FURNISHED ITEMS SECTION 0105		3.04 ADHESIVE:		
	6.1 DEFICIENCIES: ANY DEFICIENCIES NOTED BY THE INSPECTOR (S) SHALL BE CORRECTED BY THE RESPONSIBLE PARTY IN A TIMEY FASHION. THE T.G.C. HAS FULL RESPONSIBILITY FOR COORDINATING ALL CORRECTIVE ACTION REQUIRED ON THE PROJECT. WHEN CORRECTIVE ACTION IS COMPLETED, THE T.G.C. IS TO RECEIVE WRITTEN NOTIFICATION FROM EACH SUBCONTRACTOR THAT THEIR PORTION OF THE PUNCH LIST IS COMPLETE. THE T.G.C. SHALL COORDINATE AND PAY FOR ANY NEEDED OR REQUIRED RE-INSPECTION (S).		6.4 AS-BUILT DRAWINGS: THE T.G.C. SHALL PROVIDE ONE (1) SET OF "AS-BUILT DRAWINGS" OF MECHANICAL AND ELECTRICAL SYSTEMS TO THE OWNER UPON COMPLETION OF THE PROJECT.		CERTAIN CONSTRUCTION AND EQUIPMENT ITEMS INDICATED IN THE DRAWINGS AND SPECIFICATIONS AMY BE FURNISHED BY THE OWNER. SUCH ITEMS ARE DESIGNATED ON THE DRAWINGS IN THE "EQUIPMENT SCHEDULE" OR ELSEWHERE AS SUPPLIED BY OWNER OR VENDOR.		3.05 ADHESIVE:		
	6.2 PUNCH LIST: OWNER AND/OR OWNER REPRESENTATIVE (S) AGREES TO ISSUE ONE (1) CONSOLIDATED AND FINAL PUNCH LIST TO THE T.G.C. PUNCH LIST ITEMS MUST BE CORRECTED WITHIN TEN (10) DAYS OF THE DATE THE PUNCH LIST WAS WRITTEN. OWNER WILL WALK THROUGH THE STORE WITH THE T.G.C. AFTER THE PUNCH LIST HAS BEEN COMPLETED AND SIGN OFF ON EACH PUNCH LIST ITEM INDICATING THAT ALL HAVE BEEN CORRECTED. FINAL RETAINAGE WILL BE RELEASED ONCE THE OWNER HAS SIGNED OFF ON ALL PUNCH LIST ITEMS AGREEING THAT THEY HAVE BEEN COMPLETED.		7.0 GUARANTEE		UNLESS SPECIFICALLY OTHERWISE INDICATED, OWNER WILL DELIVER SUCH ITEMS TO THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR RECEIVING, UNLOADING, INVENTORYING, WAREHOUSING, PROTECTING, INSURING, ASSEMBLING AND INSTALLING THEM IN THE SAME MANNER AS IF PURCHASED DIRECTLY BY THE CONTRACTOR.		3.06 ADHESIVE:		
	6.3 LOCAL CODE ENFORCEMENT INSPECTION: THE T.G.C. SHALL PROVIDE A COPY OF ALL INSPECTION REPORTS COMPLETED BY LOCAL CODE ENFORCEMENT OFFICIALS UPON COMPLETION OF THE PROJECT.		7.0 GUARANTEE		UNLESS SPECIFICALLY OTHERWISE INDICATED, OWNER WILL DELIVER SUCH ITEMS TO THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR RECEIVING, UNLOADING, INVENTORYING, WAREHOUSING, PROTECTING, INSURING, ASSEMBLING AND INSTALLING THEM IN THE SAME MANNER AS IF PURCHASED DIRECTLY BY THE CONTRACTOR.		3.07 ADHESIVE:		
	6.4 AS-BUILT DRAWINGS: THE T.G.C. SHALL PROVIDE ONE (1) SET OF "AS-BUILT DRAWINGS" OF MECHANICAL AND ELECTRICAL SYSTEMS TO THE OWNER UPON COMPLETION OF THE PROJECT.		7.0 GUARANTEE		UNLESS SPECIFICALLY OTHERWISE INDICATED, OWNER WILL DELIVER SUCH ITEMS TO THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR RECEIVING, UNLOADING, INVENTORYING, WAREHOUSING, PROTECTING, INSURING, ASSEMBLING AND INSTALLING THEM IN THE SAME MANNER AS IF PURCHASED DIRECTLY BY THE CONTRACTOR.		3.08 ADHESIVE:		
	7.0 GUARANTEE		7.0 GUARANTEE		UNLESS SPECIFICALLY OTHERWISE INDICATED, OWNER WILL DELIVER SUCH ITEMS TO THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR RECEIVING, UNLOADING, INVENTORYING, WAREHOUSING, PROTECTING, INSURING, ASSEMBLING AND INSTALLING THEM IN THE SAME MANNER AS IF PURCHASED DIRECTLY BY THE CONTRACTOR.		3.09 ADHESIVE:		
	THE T.G.C. SHALL SECURE AND PAY FOR ALL GOVERNMENT FEES, LICENSES, AND PERMITS. CONTACT THE OWNER FOR OBTAINING ALL NECESSARY DRAWINGS, SPECIFICATIONS, STAMPS AND SIGNATURES FOR OBTAINING ALL NECESSARY PERMITS AND LICENSES.		7.0 GUARANTEE		UNLESS SPECIFICALLY OTHERWISE INDICATED, OWNER WILL DELIVER SUCH ITEMS TO THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR RECEIVING, UNLOADING, INVENTORYING, WAREHOUSING, PROTECTING, INSURING, ASSEMBLING AND INSTALLING THEM IN THE SAME MANNER AS IF PURCHASED DIRECTLY BY THE CONTRACTOR.		3.10 ADHESIVE:		
C	9.0 UTILITIES		9.0 UTILITIES		OWNER - FURNISHED ITEMS SECTION 0105		3.11 ADHESIVE:		
	9.1 THE T.G.C. SHALL PAY FOR ALL TEMPORARY SERVICE AND UTILITIES FOR THE PROJECT.		9.1 THE T.G.C. SHALL PAY FOR ALL TEMPORARY SERVICE AND UTILITIES FOR THE PROJECT.		OWNER - FURNISHED ITEMS SECTION 0105		3.12 ADHESIVE:		
	9.2 THE T.G.C. SHALL LOCATE ALL MECHANICAL AND ELECTRICAL SERVICES AND DISTRIBUTION SYSTEMS, WHETHER SHOWN ON THE PLANS OR NOT, AND SHALL PROTECT THEM FROM DAMAGE. THE T.G.C. SHALL BEAR ALL EXPENSES FOR THE REPAIR OR REPLACEMENT OF OTHER UTILITIES OR OTHER PROPERTY DAMAGE BY OPERATIONS IN CONJUNCTION WITH THE PERFORMANCE OF THE WORK.		9.2 THE T.G.C. SHALL LOCATE ALL MECHANICAL AND ELECTRICAL SERVICES AND DISTRIBUTION SYSTEMS, WHETHER SHOWN ON THE PLANS OR NOT, AND SHALL PROTECT THEM FROM DAMAGE. THE T.G.C. SHALL BEAR ALL EXPENSES FOR THE REPAIR OR REPLACEMENT OF OTHER UTILITIES OR OTHER PROPERTY DAMAGE BY OPERATIONS IN CONJUNCTION WITH THE PERFORMANCE OF THE WORK.		OWNER - FURNISHED ITEMS SECTION 0105		3.13 ADHESIVE:		
	10.0 EXISTING CONDITIONS		10.0 EXISTING CONDITIONS		OWNER - FURNISHED ITEMS SECTION 0105		3.14 ADHESIVE:		
	THE T.G.C. ACCEPTS PREMISES AS FOUND. THE OWNER AND LANDLORD ASSUMES NO RESPONSIBILITY OF THE CONDITION OF THE BUILDING OR LIABILITY FOR LOCATION OF EXISTING UTILITIES, ROOF STRUCTURE, OR ELEVATION AT THE TIME OF BIDDING OR THEREAFTER. THE T.G.C. ACCEPTS PREMISE AS FOUND.		THE T.G.C. ACCEPTS PREMISES AS FOUND. THE OWNER AND LANDLORD ASSUMES NO RESPONSIBILITY OF THE CONDITION OF THE BUILDING OR LIABILITY FOR LOCATION OF EXISTING UTILITIES, ROOF STRUCTURE, OR ELEVATION AT THE TIME OF BIDDING OR THEREAFTER. THE T.G.C. ACCEPTS PREMISE AS FOUND.		OWNER - FURNISHED ITEMS SECTION 0105		3.15 ADHESIVE:		
	11.0 PROJECT SAFETY		11.0 PROJECT SAFETY		OWNER - FURNISHED ITEMS SECTION 0105		3.16 ADHESIVE:		
	THE T.G.C. IS RESPONSIBLE FOR THE SAFETY, ACTIONS, AND CONDUCT OF THEIR EMPLOYEES AND SUBCONTRACTOR'S EMPLOYEES WHILE IN THE PROJECT AREA, ADJACENT AREAS, IN THE BUILDING, AND ITS VICINITY.		THE T.G.C. IS RESPONSIBLE FOR THE SAFETY, ACTIONS, AND CONDUCT OF THEIR EMPLOYEES AND SUBCONTRACTOR'S EMPLOYEES WHILE IN THE PROJECT AREA, ADJACENT AREAS, IN THE BUILDING, AND ITS VICINITY.		OWNER - FURNISHED ITEMS SECTION 0105		3.17 ADHESIVE:		
	12.0 BUILDING AND ACCESSIBILITY CODES		12.0 BUILDING AND ACCESSIBILITY CODES		OWNER - FURNISHED ITEMS SECTION 0105		3.18 ADHESIVE:		
	ALL WORK DESCRIBED BY THESE DOCUMENTS SHALL BE PERFORMED IN FULL ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES, LAWS, AND ORDINANCES BEING ADOPTED BY THE BUILDING AUTHORITY HAVING JURISDICTION OVER THIS PROJECT. THE T.G.C. ASSUMES FULL RESPONSIBILITY TO IDENTIFY ALL APPLICABLE CODES FOR EACH SUB-TRADE AS WELL AS LOCAL AND NATIONAL ACCESSIBILITY CODES AND PERFORMING ALL WORK ACCORDINGLY.		ALL WORK DESCRIBED BY THESE DOCUMENTS SHALL BE PERFORMED IN FULL ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES, LAWS, AND ORDINANCES BEING ADOPTED BY THE BUILDING AUTHORITY HAVING JURISDICTION OVER THIS PROJECT. THE T.G.C. ASSUMES FULL RESPONSIBILITY TO IDENTIFY ALL APPLICABLE CODES FOR EACH SUB-TRADE AS WELL AS LOCAL AND NATIONAL ACCESSIBILITY CODES AND PERFORMING ALL WORK ACCORDINGLY.		OWNER - FURNISHED ITEMS SECTION 0105		3.19 ADHESIVE:		
	13.0 PLAN DIMENSIONS		13.0 PLAN DIMENSIONS		OWNER - FURNISHED ITEMS SECTION 0105		3.20 ADHESIVE:		
D	DIMENSIONS SHALL GOVERN THESE DRAWINGS AND THEY ARE NOT TO BE SCALED. THE T.G.C. SHALL VERIFY ALL EXISTING DIMENSIONS, SHOULD THERE BE DISCREPANCIES, THE T.G.C. SHALL NOTIFY THE OWNER AND SHALL BASE BIDDING/PRICING ON THE MOST EXPENSIVE COMBINATION OF QUALITY AND/OR QUANTITY OF THE WORK INDICATED.		DIMENSIONS SHALL GOVERN THESE DRAWINGS AND THEY ARE NOT TO BE SCALED. THE T.G.C. SHALL VERIFY ALL EXISTING DIMENSIONS, SHOULD THERE BE DISCREPANCIES, THE T.G.C. SHALL NOTIFY THE OWNER AND SHALL BASE BIDDING/PRICING ON THE MOST EXPENSIVE COMBINATION OF QUALITY AND/OR QUANTITY OF THE WORK INDICATED.		OWNER - FURNISHED ITEMS SECTION 0105		3.21 ADHESIVE:		
	14.0 PLAN REVIEW		14.0 PLAN REVIEW		OWNER - FURNISHED ITEMS SECTION 0105		3.22 ADHESIVE:		
	THE T.G.C. SHALL REVIEW THE PLANS AND SPECIFICATIONS THOROUGHLY, MAKE A DETAILED SITE VISIT, AND SHALL IMMEDIATELY BRING ANY INCONSISTENCY, SITE LAYOUT PROBLEMS, OR ANY OTHER REQUEST FOR CLARIFICATION TO THE OWNER FOR RESOLUTION PRIOR TO THE DELIVERY OF ANY BID. FAILURE TO DO SO SHALL CAUSE THE T.G.C. TO BE INELIGIBLE FOR REQUESTING EXTRAS RELATING TO SUCH MATTERS.		THE T.G.C. SHALL REVIEW THE PLANS AND SPECIFICATIONS THOROUGHLY, MAKE A DETAILED SITE VISIT, AND SHALL IMMEDIATELY BRING ANY INCONSISTENCY, SITE LAYOUT PROBLEMS, OR ANY OTHER REQUEST FOR CLARIFICATION TO THE OWNER FOR RESOLUTION PRIOR TO THE DELIVERY OF ANY BID. FAILURE TO DO SO SHALL CAUSE THE T.G.C. TO BE INELIGIBLE FOR REQUESTING EXTRAS RELATING TO SUCH MATTERS.		OWNER - FURNISHED ITEMS SECTION 0105		3.23 ADHESIVE:		
	15.0 ENGINEERED SHOP DRAWINGS		15.0 ENGINEERED SHOP DRAWINGS		OWNER - FURNISHED ITEMS SECTION 0105		3.24 ADHESIVE:		
	THE T.G.C. SHALL ENSURE THAT APPLICABLE SUBCONTRACTORS SUBMIT ENGINEERED SHOP DRAWINGS TO THE OWNER'S ARCHITECT FOR APPROVAL OF ALL ASSEMBLIES, TO OBTAIN BUILDING PERMITS, IF REQUIRED, AND LICENSES, OR FOR SUBSTITUTIONS.		THE T.G.C. SHALL ENSURE THAT APPLICABLE SUBCONTRACTORS SUBMIT ENGINEERED SHOP DRAWINGS TO THE OWNER'S ARCHITECT FOR APPROVAL OF ALL ASSEMBLIES, TO OBTAIN BUILDING PERMITS, IF REQUIRED, AND LICENSES, OR FOR SUBSTITUTIONS.		OWNER - FURNISHED ITEMS SECTION 0105		3.25 ADHESIVE:		
	16.0 CHANGE ORDERS		16.0 CHANGE ORDERS		OWNER - FURNISHED ITEMS SECTION 0105		3.26 ADHESIVE:		
	THE T.G.C. MUST SUBMIT ALL CHANGE ORDERS IN WRITING TO THE OWNER. THE T.G.C. MUST HAVE THE OWNER'S SIGNATURE BEFORE PROCEEDING WITH THE WORK SHOULD THE T.G.C. PROCEED WITH THE WORK PRIOR TO OBTAINING THE OWNER'S SIGNATURE ON THE CHANGE ORDER. THE T.G.C. WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE CHANGE ORDER.		THE T.G.C. MUST SUBMIT ALL CHANGE ORDERS IN WRITING TO THE OWNER. THE T.G.C. MUST HAVE THE OWNER'S SIGNATURE BEFORE PROCEEDING WITH THE WORK SHOULD THE T.G.C. PROCEED WITH THE WORK PRIOR TO OBTAINING THE OWNER'S SIGNATURE ON THE CHANGE ORDER. THE T.G.C. WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE CHANGE ORDER.		OWNER - FURNISHED ITEMS SECTION 0105		3.27 ADHESIVE:		
	17.0 TENANTS' GENERAL CONTRACTOR RESPONSIBILITIES		17.0 TENANTS' GENERAL CONTRACTOR RESPONSIBILITIES		OWNER - FURNISHED ITEMS SECTION 0105		3.28 ADHESIVE:		
	THE T.G.C.'S RESPONSIBILITIES TO INSTALL AND FURNISH MATERIAL/EQUIPMENT ARE LISTED FOR CLARIFICATION AND DO NOT RELIEVE THE T.G.C. OF THE RESPONSIBILITY TO COORDINATE THE MATERIAL/EQUIPMENT DELIVERY OF ALL SUBCONTRACTORS. ALL MATERIAL/EQUIPMENT ASSOCIATED WITH THIS PROJECT SHALL BE INSTALLED IN FULL ACCORDANCE WITH THE SUPPLIER'S AND/OR MANUFACTURER'S WRITTEN RECOMMENDATION.		THE T.G.C.'S RESPONSIBILITIES TO INSTALL AND FURNISH MATERIAL/EQUIPMENT ARE LISTED FOR CLARIFICATION AND DO NOT RELIEVE THE T.G.C. OF THE RESPONSIBILITY TO COORDINATE THE MATERIAL/EQUIPMENT DELIVERY OF ALL SUBCONTRACTORS. ALL MATERIAL/EQUIPMENT ASSOCIATED WITH THIS PROJECT SHALL BE INSTALLED IN FULL ACCORDANCE WITH THE SUPPLIER'S AND/OR MANUFACTURER'S WRITTEN RECOMMENDATION.		OWNER - FURNISHED ITEMS SECTION 0105		3.29 ADHESIVE:		
	18.0 PRODUCT SUBSTITUTIONS		18.0 PRODUCT SUBSTITUTIONS		OWNER - FURNISHED ITEMS SECTION 0105		3.30 ADHESIVE:		
E	THE T.G.C. SHALL RECEIVE APPROVAL FROM OWNER OR ARCHITECT FOR ANY SUBSTITUTIONS TO ANY PRODUCT, TECHNIQUE, MATERIAL OR EQUIPMENT PRIOR TO THE IMPLEMENTATION OF THE SUBSTITUTION. PROPOSED SUBSTITUTION SHALL BE OF EQUAL QUALITY AND PERFORMANCE SPECIFICATION TO THAT ORIGINALLY SPECIFIED.		THE T.G.C. SHALL RECEIVE APPROVAL FROM OWNER OR ARCHITECT FOR ANY SUBSTITUTIONS TO ANY PRODUCT, TECHNIQUE, MATERIAL OR EQUIPMENT PRIOR TO THE IMPLEMENTATION OF THE SUBSTITUTION. PROPOSED SUBSTITUTION SHALL BE OF EQUAL QUALITY AND PERFORMANCE SPECIFICATION TO THAT ORIGINALLY SPECIFIED.		OWNER - FURNISHED ITEMS SECTION 0105		3.31 ADHESIVE:		
	19.0 LANDLORD REQUIREMENTS		19.0 LANDLORD REQUIREMENTS		OWNER - FURNISHED ITEMS SECTION 0105		3.32 ADHESIVE:		
	SPECIFICATIONS: IN SUCH CASES THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE ARCHITECT'S INTERPRETATION AS REQUIRED BY EITHER (1) THE MANUFACTURER'S OR SUPPLIER'S REQUIREMENTS OR (2) THE ARCHITECT'S SPECIFICATIONS.		SPECIFICATIONS: IN SUCH CASES THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE ARCHITECT'S INTERPRETATION AS REQUIRED BY EITHER (1) THE MANUFACTURER'S OR SUPPLIER'S REQUIREMENTS OR (2) THE ARCHITECT'S SPECIFICATIONS.		OWNER - FURNISHED ITEMS SECTION 0105		3.33 ADHESIVE:		
	A. WHERE NOT CLARIFIED BY THE AGREEMENT OR APPENDIX TO THE DRAWINGS AND SPECIFICATIONS, THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED AS REQUIRED BY EITHER THE DRAWINGS OR SPECIFICATIONS IN ACCORDANCE WITH THE ARCHITECT'S INTERPRETATION.		A. WHERE NOT CLARIFIED BY THE AGREEMENT OR APPENDIX TO THE DRAWINGS AND SPECIFICATIONS, THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED AS REQUIRED BY EITHER THE DRAWINGS OR SPECIFICATIONS IN ACCORDANCE WITH THE ARCHITECT'S INTERPRETATION.		OWNER - FURNISHED ITEMS SECTION 0105		3.34 ADHESIVE:		
	B. AS BETWEEN DIMENSIONS SHOWN ON THE DRAWINGS AND SCALED MEASUREMENTS, THE DIMENSIONS SHALL GOVERN.		B. AS BETWEEN DIMENSIONS SHOWN ON THE DRAWINGS AND SCALED MEASUREMENTS, THE DIMENSIONS SHALL GOVERN.		OWNER - FURNISHED ITEMS SECTION 0105		3.35 ADHESIVE:		
	C. AS BETWEEN LARGE-SCALE DRAWINGS AND SMALL-SCALE DRAWINGS, THE LARGER SCALE SHALL GOVERN.		C. AS BETWEEN LARGE-SCALE DRAWINGS AND SMALL-SCALE DRAWINGS, THE LARGER SCALE SHALL GOVERN.		OWNER - FURNISHED ITEMS SECTION 0105		3.36 ADHESIVE:		
	D. MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MOST CURRENT PRINTED OR PUBLISHED SPECIFICATIONS AND INSTRUCTIONS OF THE MANUFACTURER OR SUPPLIER OF THE MATERIAL OR EQUIPMENT, EXCEPT WHERE SUCH DOCUMENTS CONFLICT WITH THE ARCHITECT'S SPECIFICATIONS.		D. MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MOST CURRENT PRINTED OR PUBLISHED SPECIFICATIONS AND INSTRUCTIONS OF THE MANUFACTURER OR SUPPLIER OF THE MATERIAL OR EQUIPMENT, EXCEPT WHERE SUCH DOCUMENTS CONFLICT WITH THE ARCHITECT'S SPECIFICATIONS.		OWNER - FURNISHED ITEMS SECTION 0105		3.37 ADHESIVE:		
	CONFLICTS, DISCREPANCIES OR INCONSISTENCIES: IN THE EVENT OF CONFLICTS, DISCREPANCIES OR INCONSISTENCIES AMONG CONTRACT DOCUMENTS, INTERPRETATIONS WILL BE MADE BY THE ARCHITECT BASED ON THE FOLLOWING: IN ORDER OF PRIORITY, WITH ITEM "1" BEING OF FIRST, OR HIGHEST PRIORITY.		CONFLICTS, DISCREPANCIES OR INCONSISTENCIES: IN THE EVENT OF CONFLICTS, DISCREPANCIES OR INCONSISTENCIES AMONG CONTRACT DOCUMENTS, INTERPRETATIONS WILL BE MADE BY THE ARCHITECT BASED ON THE FOLLOWING: IN ORDER OF PRIORITY, WITH ITEM "1" BEING OF FIRST, OR HIGHEST PRIORITY.		OWNER - FURNISHED ITEMS SECTION 0105		3.38 ADHESIVE:		
	NO SUBSTITUTIONS FOR PRODUCTS WILL BE ALLOWED UNLESS SPECIFICALLY INDICATED BY THE ARCHITECT. SUBSTITUTION FOR PRODUCTS AND EQUIPMENT MAY BE CONSIDERED WHEN A PRODUCT BECOMES UNAVAILABLE THROUGH NO FAULT OF THE CONTRACTOR OR AS FOLLOWS:		NO SUBSTITUTIONS FOR PRODUCTS WILL BE ALLOWED UNLESS SPECIFICALLY INDICATED BY THE ARCHITECT. SUBSTITUTION FOR PRODUCTS AND EQUIPMENT MAY BE CONSIDERED WHEN A PRODUCT BECOMES UNAVAILABLE THROUGH NO FAULT OF THE CONTRACTOR OR AS FOLLOWS:		OWNER - FURNISHED ITEMS SECTION 0105		3.39 ADHESIVE:		
	1. AN "OR" OWNER APPROVED SUBSTITUTION" CLAUSE OR SIMILAR LANGUAGE IN THE CONTRACT DOCUMENTS.		1. AN "OR" OWNER APPROVED SUBSTITUTION" CLAUSE OR SIMILAR LANGUAGE IN THE CONTRACT DOCUMENTS.		OWNER - FURNISHED ITEMS SECTION 0105		3.40 ADHESIVE:		
F	2. WHEN THE PRODUCT CANNOT BE PROVIDED IN TIME TO KEEP THE PROJECT ON SCHEDULE, THROUGH NO FAULT OF THE CONTRACTOR.		2. WHEN THE PRODUCT CANNOT BE PROVIDED IN TIME TO KEEP THE PROJECT ON SCHEDULE, THROUGH NO FAULT OF THE CONTRACTOR.		OWNER - FURNISHED ITEMS SECTION 0105		3.41 ADHESIVE:		
	3. WHEN THE PRODUCT DOES NOT MEET THE APPROVAL OF THE GOVERNING AUTHORITIES.		3. WHEN THE PRODUCT DOES NOT MEET THE APPROVAL OF THE GOVERNING AUTHORITIES.		OWNER - FURNISHED ITEMS SECTION 0105		3.42 ADHESIVE:		
	4. WHEN THE OWNER IS OFFERED SUBSTANTIAL ADVANTAGE IN TERMS OF THE COST, TIME OR QUALITY.		4. WHEN THE OWNER IS OFFERED SUBSTANTIAL ADVANTAGE IN TERMS OF THE COST, TIME OR QUALITY.		OWNER - FURNISHED ITEMS SECTION 0105		3.43 ADHESIVE:		
	WHENEVER A PRODUCT IS SPECIFIED BY USING A PROPRIETARY NAME OR THE NAME OF A PARTICULAR MANUFACTURER OR VENDOR, THE SPECIFIC ITEM MENTIONED SHALL BE UNDERSTOOD AS ESTABLISHING TYPE, FUNCTION, DIMENSION, APPEARANCE AND QUALITY DESIRED. REQUEST FOR SUBSTITUTING OTHER MANUFACTURER'S PRODUCTS MAY BE ACCEPTED PROVIDED SUFFICIENT INFORMATION IS SUBMITTED TO ALLOW THE OWNER TO DETERMINE SUITABILITY OF THE PROPOSED SUBSTITUTION(S) AND AS FOLLOWS:		WHENEVER A PRODUCT IS SPECIFIED BY USING A PROPRIETARY NAME OR THE NAME OF A PARTICULAR MANUFACTURER OR VENDOR, THE SPECIFIC ITEM MENTIONED SHALL BE UNDERSTOOD AS ESTABLISHING TYPE, FUNCTION, DIMENSION, APPEARANCE AND QUALITY DESIRED. REQUEST FOR SUBSTITUTING OTHER MANUFACTURER'S PRODUCTS MAY BE ACCEPTED PROVIDED SUFFICIENT INFORMATION IS SUBMITTED TO ALLOW THE OWNER TO DETERMINE SUITABILITY OF THE PROPOSED SUBSTITUTION(S) AND AS FOLLOWS:		OWNER - FURNISHED ITEMS SECTION 0105		3.44 ADHESIVE:		
	DIVISION 1 - GENERAL REQUIREMENTS		DIVISION 1 - GENERAL REQUIREMENTS		OWNER - FURNISHED ITEMS SECTION 0105		3.45 ADHESIVE:		
	FORMAT AND CONTENT SECTION 0100		FORMAT AND CONTENT SECTION 0100		OWNER - FURNISHED ITEMS SECTION 0105		3.46 ADHESIVE:		
	THE SPECIFICATIONS HAVE BEEN PREPARED FOR MULTIPLE PROJECTS AND MAY CONTAIN REFERENCES TO ITEMS NOT INCLUDED IN THIS SPECIFIC PROJECT. VERIFY ITEMS USED IN THIS SPECIFIC PROJECT BY REFERRING TO THE DRAWINGS. THE SPECIFICATIONS MAY MAKE REFERENCE TO THESE ITEMS BY STATING "IF REQUIRED PER DRAWINGS", "IF ANY" OR SIMILAR LANGUAGE. THE DRAWINGS ARE SCHEMATIC IN NATURE AND THE CONTRACTOR SHALL NOT RELY ON SCALING DRAWINGS TO DETERMINE CRITICAL DISTANCES.		THE SPECIFICATIONS HAVE BEEN PREPARED FOR MULTIPLE PROJECTS AND MAY CONTAIN REFERENCES TO ITEMS NOT INCLUDED IN THIS SPECIFIC PROJECT. VERIFY ITEMS USED IN THIS SPECIFIC PROJECT BY REFERRING TO THE DRAWINGS. THE SPECIFICATIONS MAY MAKE REFERENCE TO THESE ITEMS BY STATING "IF REQUIRED PER DRAWINGS", "IF ANY" OR SIMILAR LANGUAGE. THE DRAWINGS ARE SCHEMATIC IN NATURE AND THE CONTRACTOR SHALL NOT RELY ON SCALING DRAWINGS TO DETERMINE CRITICAL DISTANCES.		OWNER - FURNISHED ITEMS SECTION 0105		3.47 ADHESIVE:		
	WHERE CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) ARE INCOMPLETE, AMBIGUOUS OR CONTAIN CONFLICTING INSTRUCTIONS, DO NOT PROCEED UNTIL RECEIVING CLARIFICATION FROM THE ARCHITECT IN WRITING.		WHERE CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) ARE INCOMPLETE, AMBIGUOUS OR CONTAIN CONFLICTING INSTRUCTIONS, DO NOT PROCEED UNTIL RECEIVING CLARIFICATION FROM THE ARCHITECT IN WRITING.		OWNER - FURNISHED ITEMS SECTION 0105		3.48 ADHESIVE:		
	ONTRACTOR'S USE OF SITE AND PREMISE SECTION 0104		ONTRACTOR'S USE OF SITE AND PREMISE SECTION 0104		OWNER - FURNISHED ITEMS SECTION 0105		3.49 ADHESIVE:		
	LIMITED USE OF THE SITE: VERIFY WITH THE OWNER OR LANDLORD FOR ESTABLISHED USE LIMITS AND RESTRICTIONS OF THE SITE.		LIMITED USE OF THE SITE: VERIFY WITH THE OWNER OR LANDLORD FOR ESTABLISHED USE LIMITS AND RESTRICTIONS OF THE SITE.		OWNER - FURNISHED ITEMS SECTION 0105		3.50 ADHESIVE:		
DIVISION 2 - SITE WORK (NOT USED)		DIVISION 2 - SITE WORK (NOT USED)		OWNER - FURNISHED ITEMS SECTION 0105		3.51 ADHESIVE:			
DIVISION 3 - CONCRETE		DIVISION 3 - CONCRETE		OWNER - FURNISHED ITEMS SECTION 0105		3.52 ADHESIVE:			
CONCRETE FLOOR STRUCTURE ON GRADE - SECT. 03050		CONCRETE FLOOR STRUCTURE ON GRADE - SECT. 03050		OWNER - FURNISHED ITEMS					

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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.
- 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 09400.

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. CHICAGO 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 ANGLERS 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.
 - ICHNISCNITE, 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)
 - MCINNEY/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 ENCLDSING. 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
 - PREF 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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April 22, 2024

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General Notes

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G-003

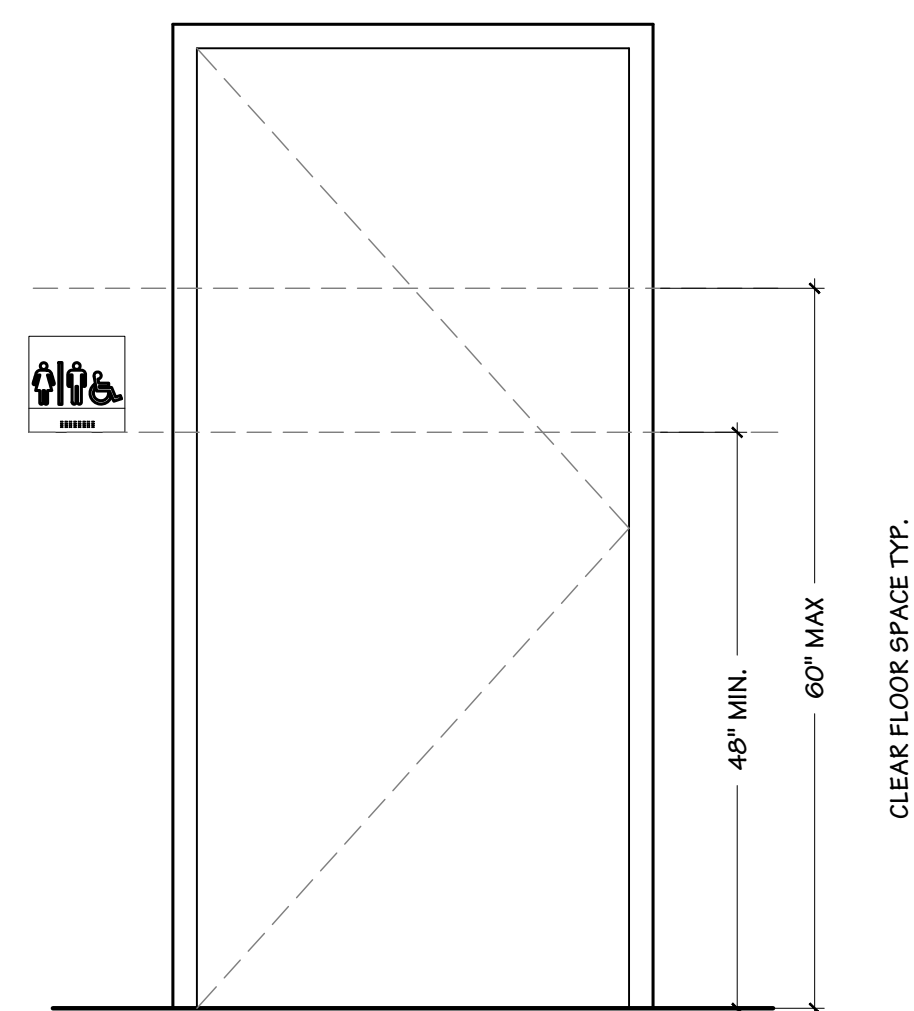


Figure 1 consists of two diagrams, (a) and (b), illustrating the maximum dimensions for wheelchair accessible components. Diagram (a) shows a person in a wheelchair reaching for a component at a height of 15 inches minimum to 48 inches maximum. Diagram (b) shows a person in a wheelchair reaching for a component at a height of 44 inches maximum to 48 inches maximum. Both diagrams show the component width as 20 inches maximum.



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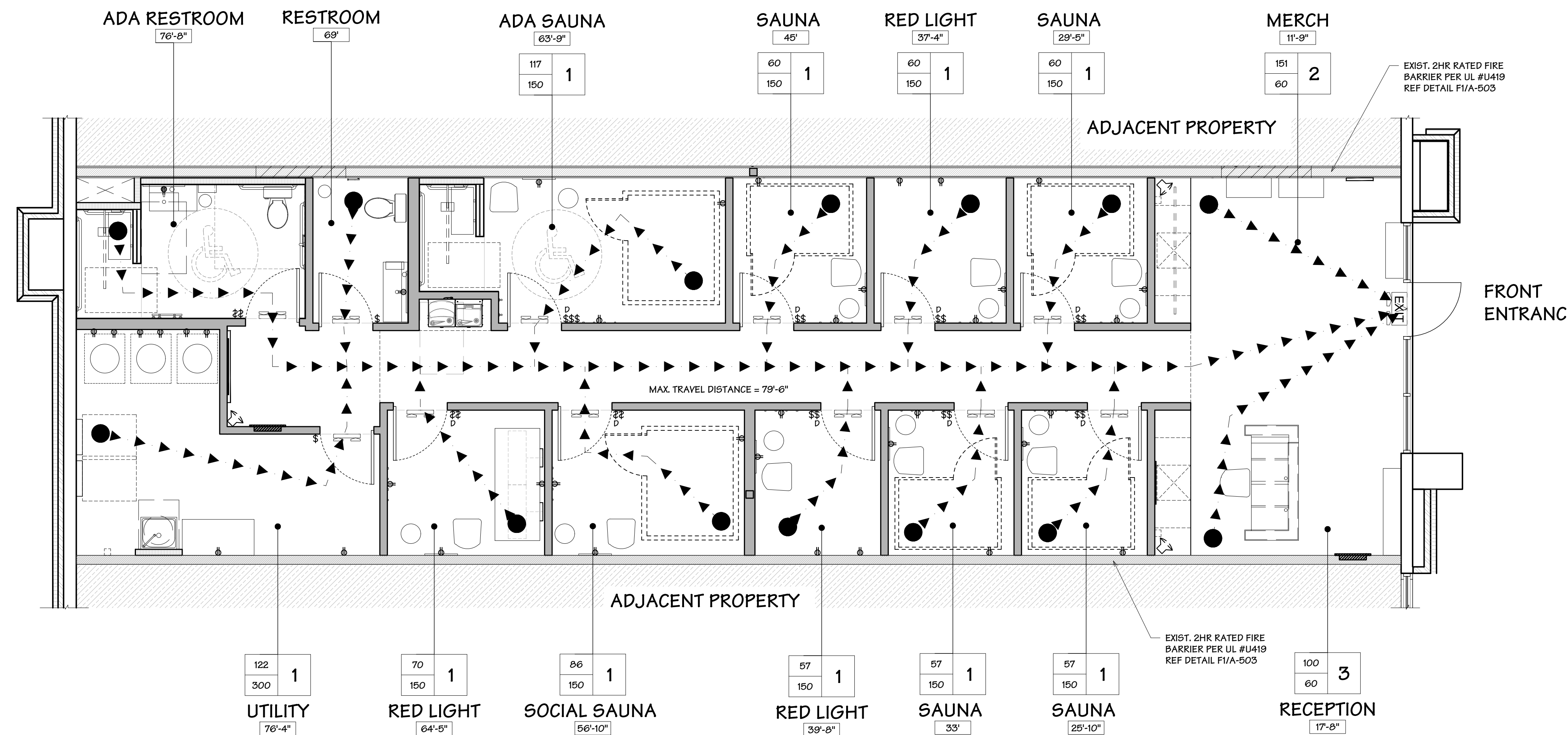
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EMERGENCY / EXIT LEGEND		
SIGN	DESCRIPTION	QUANTITY
	EXIT SIGNAGE. REFER ELECTRICAL DRAWINGS	12
	EXIT SIGNAGE WITH EMERGENCY LIGHTING. REFER ELECTRICAL DRAWINGS	1
	FIRE EXTINGUISHER: 10LB ABC DRY CHEMICAL (IN CABINET SEMI-RECESSED IN WALL)	2

LIFE SAFETY NOTES

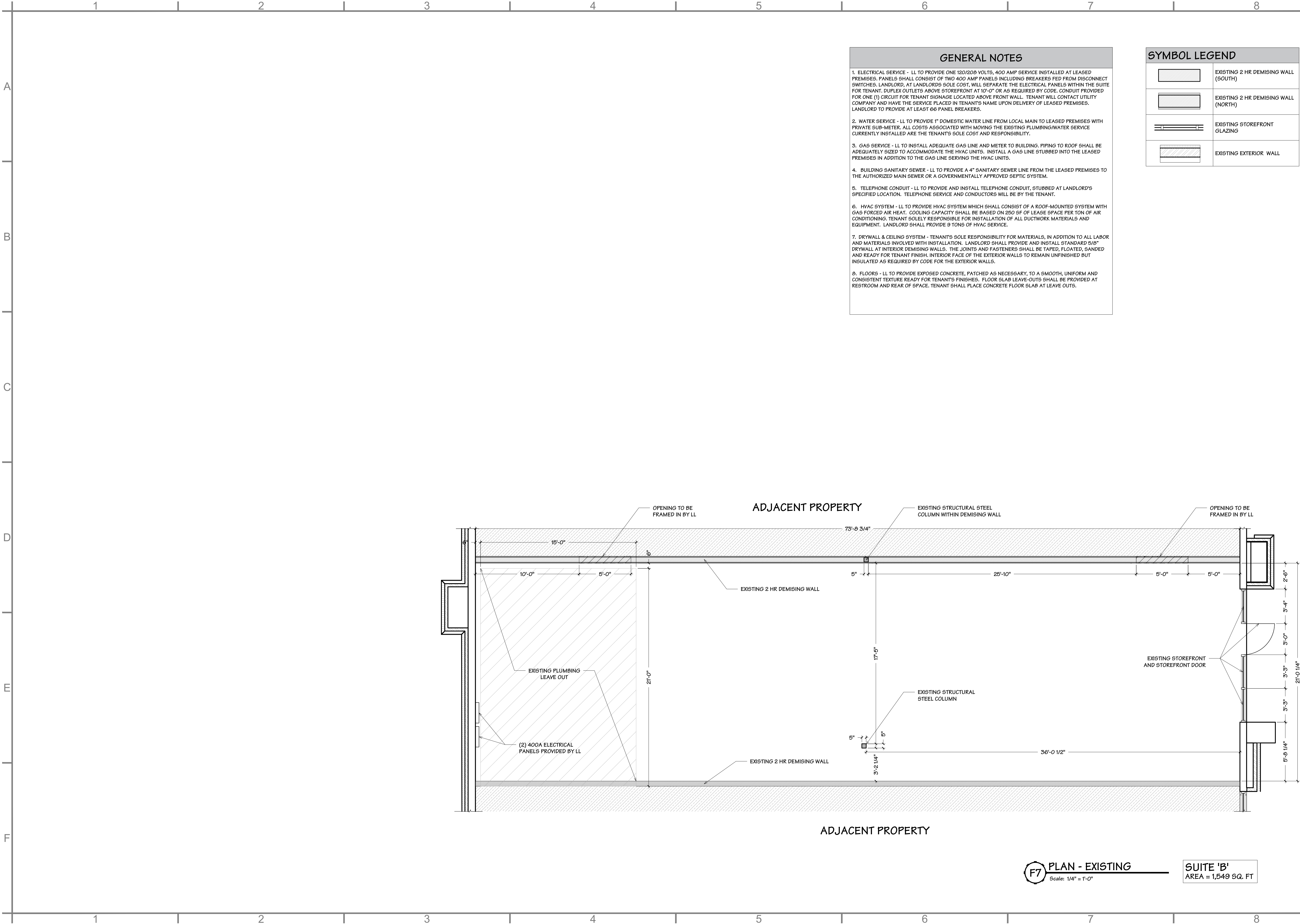
1. G.C. TO PROVIDE AND INSTALL ACCESSIBLE SIGNAGE IN ACCORDANCE WITH THE TEXAS ACCESSIBILITY CODE.
2. G.C. TO COORDINATE INSTALLATION REQUIREMENTS OF FIRE EXTINGUISHERS WITH LOCAL FIRE DEPARTMENT.

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



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- 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 LANDLORD'S 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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DRAWN BY
HITCHCOCK
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April 22, 2024

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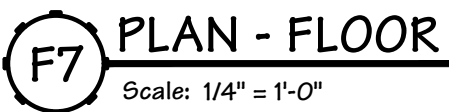
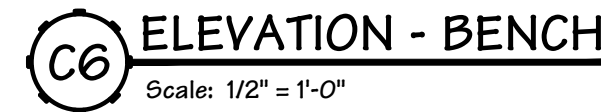
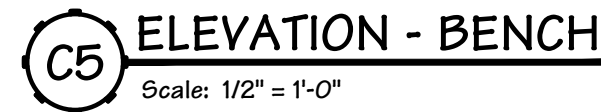
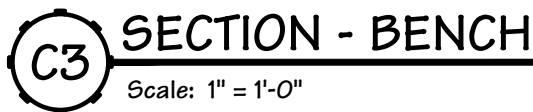
Plan - Existing

Sheet:
A-101

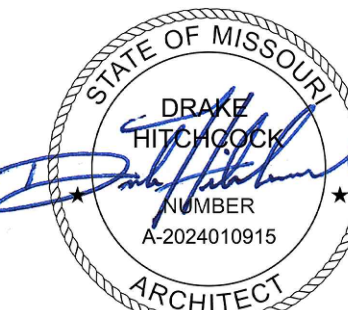
F7 PLAN - EXISTING
Scale: 1/4" = 1'-0"

SUITE 'B'
AREA = 1,549 SQ. FT

A
B
C
D
E
F



4708 N. FM. 1417
Sherman, Texas 75092
903.813.1415
www.bluestonebuild.com



April 22, 2024

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

Drawn by:	----
Checked by:	----
Project No:	----
Date:	

April 22, 2024

Plan - Floor

Sheet:

A-110

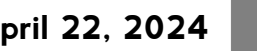
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1. FIELD VERIFY EXISTING NORMAL AND EMERGENCY EGRESS LIGHTING, PROVIDED UNDER THE PREVIOUS PERMIT, IS ADEQUATE & FULLY OPERATIONAL. CLEAN AND RE-LAMP FIXTURES AS REQUIRED.
2. ALL OPEN CEILING ITEMS - IF ANY - (GRILLES, EXHAUST FAN COVERS, LIGHTING 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.



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



REVISIONS		
NO.	DATE	NOTE

Drawn by: ----
Checked by: ----
Project No: ----
Date: _____

April 22, 2024

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

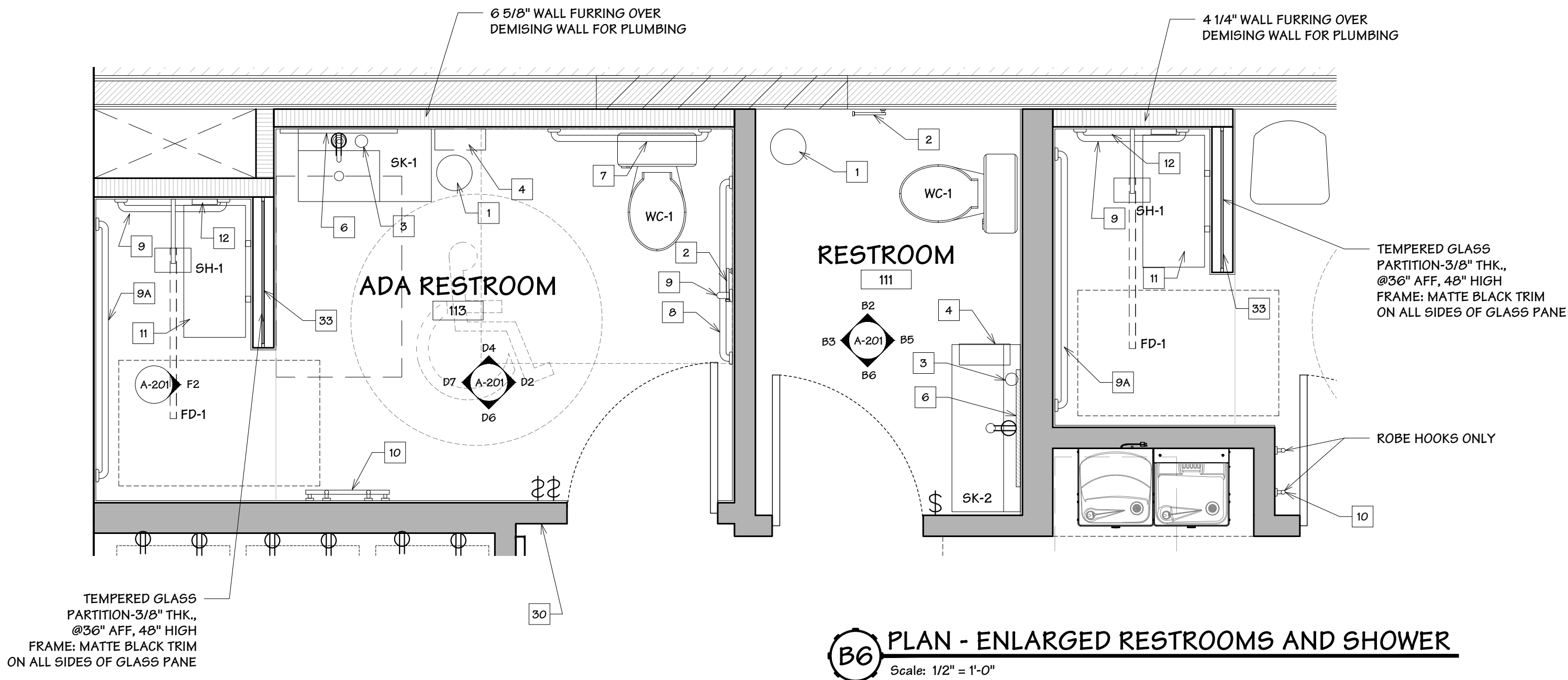
*CONFIRM WITH STUDIO BULDOUT MANAGER BEFORE PURCHASING. ACCESSORIES MAY BE PROVIDED AND INSTALLED BY OTHERS.

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

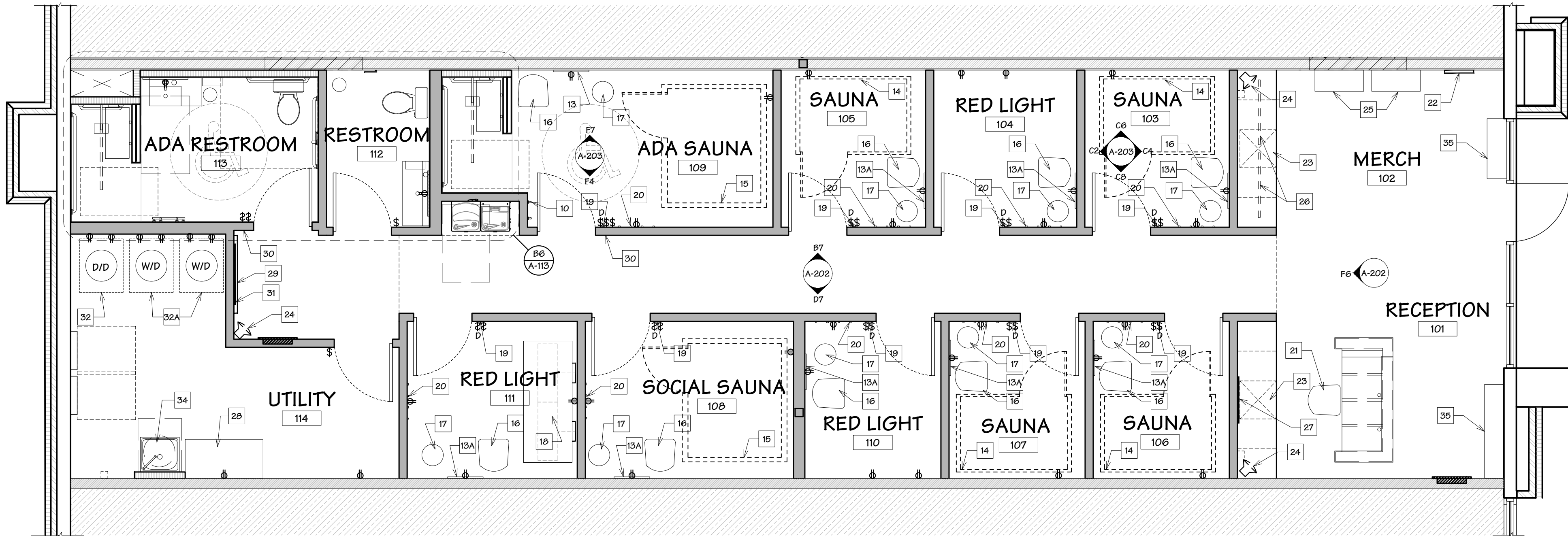
NOTE 2: PROVIDE/INSTALL BLOCKING FOR GRAB BAR SUPPORT - TYPICAL. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHERE A VERTICAL OR HORIZONTAL FORCE OF 250 LBS. IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER MOUNTING DEVICE OR SUPPORTING STRUCTURE.

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



<p>GENERAL NOTES:</p> <p>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.</p> <p>B. PROVIDED WATER-RESISTANT GYPSUM BOARD, GREEN BOARD, OR OTHER APPROVED MATERIAL ON THE WALLS IN RESTROOMS.</p> <p>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.</p> <p>D. DO NOT INSTALL VINYL BASE ON TILE VENEER.</p>	<p>REMARKS:</p> <p>1. USE MOLD RESISTANT GWB-3 ON WALLS AND GCB-2 ON CEILING IN WET AREA.</p> <p>2. REFER TO FINISH PLAN ON SHEET A-114 FOR FINISH LOCATIONS.</p>
--	---

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 NATIONALACCOUNTS@DALTILE.COM; 877-556-5728 FOR BEEM INVENTORY AND PREFERRED PRICING.



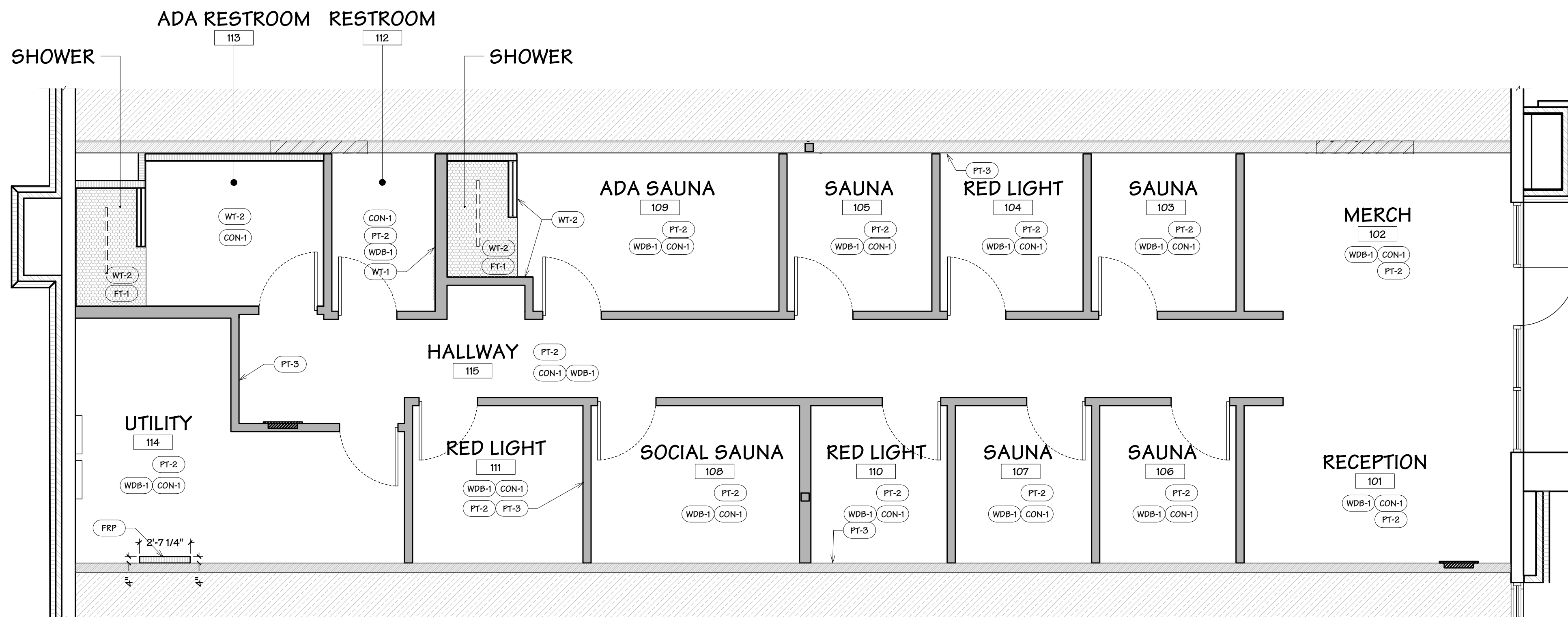
beem Light Sauna
2070 NW Lowenstein Dr., Suite B
Lee's Summit, MO 64081
Permit Set

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April 22, 2024

Sheet:

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



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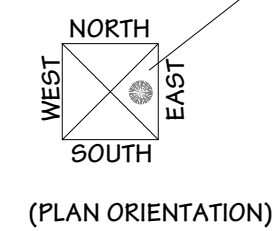
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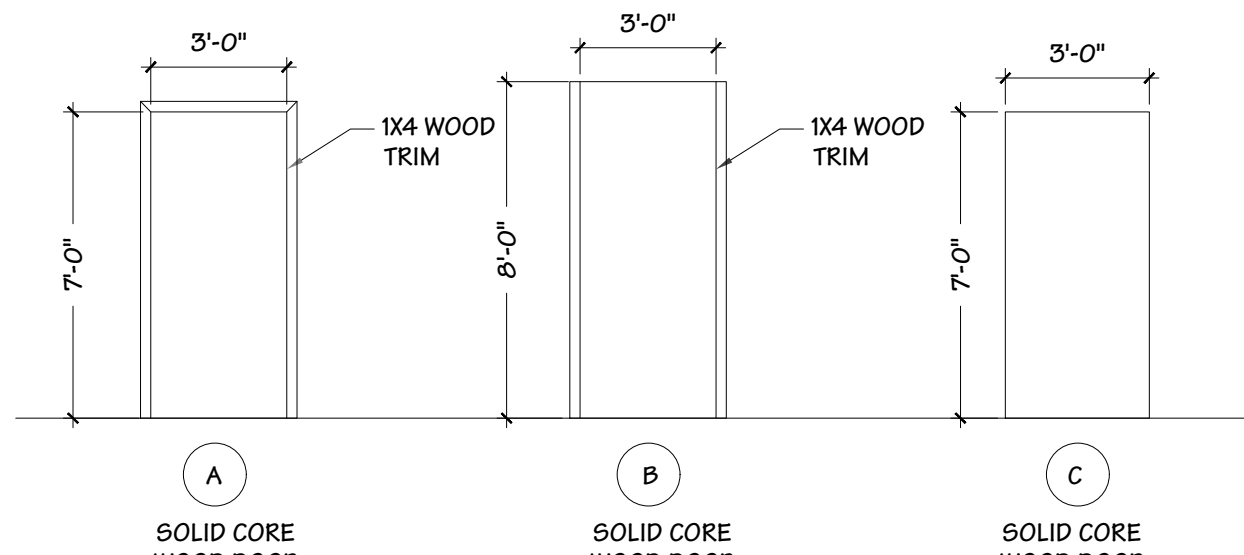
C

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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-3)	F.R. GYP. BRD (GWB-2)	M.R. GYP. BRD (GWB-3)	EXISTING	GRID-1 / ACT-1	GYP. BOARD (GCB-1PT-2)	M.R. GYP. BRD (GCB-2PT-2)	VAULT BD (GCB-3PT-2)	OTB (PT-2)	EXISTING	INDICATES WHERE WALL FINISH OCCURS  (PLAN ORIENTATION)	
	101	RECEPTION	●	●							●						●						--
	102	MERCHANDISE	●	●													●						--
	103	SAUNA	●	●							●						●						--
	104	RED LIGHT	●	●							●	●					●						2 PT-3 ON WALL BEHIND BED (BED WILL NOT BE SHOWN)
	105	SAUNA	●	●							●						●						--
	106	SAUNA	●	●							●						●						--
	107	SAUNA	●	●							●						●						--
	108	SOCIAL AUNA	●	●							●						●						--
	109	ADA SAUNA	●	●							●						●						--
		SHOWER	●	●			●	●	●									●					1
	110	RED LIGHT	●	●							●	●					●						2 PT-3 ON WALL BEHIND BED (BED WILL NOT BE SHOWN)
	111	RED LIGHT	●	●							●						●						2 PT-3 ON WALL BEHIND BED
	112	RESTROOM	●	●										●				●					1
	113	ADA RESTROOM	●	●			●											●					1
		SHOWER	●	●			●	●	●									●					1
	114	UTILITY/STORAGE	●	●							●						●						--
	115	HALLWAY	●	●							●	●	●				●		●				2 PT-3 ON MIRROR WALL
GENERAL NOTES																REMARKS							
A. FLOORS IN RESTROOMS SHALL HAVE A SMOOTH, HARD NONABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CERAMIC TILE, CONCRETE, OR OTHER APPROVED MATERIAL WHICH EXTENDS UPWARD ONTO THE WALLS AT LEAST 6 INCHES.																1. USE MOLD RESISTANT GWB-3 ON WALLS AND GCB-2 ON CEILINGS IN WET AREAS.							
B. PROVIDED WATER-RESISTANT GYPSUM BOARD, GREEN BOARD, OR OTHER APPROVED MATERIAL ON THE WALLS IN RESTROOMS.																2. REFER TO FLOOR PLAN ON SHEET A-114 FOR FINISH LOCATIONS.							
C. WALLS IN RESTROOMS WITHIN 2 FEET OF THE FRONT AND SIDES OF URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD NONABSORBENT SURFACE TO A HEIGHT OF 4 FEET.																							
D. DO NOT INSTALL VINYL BASE ON TILE VENEER.																							

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															
		EXISTING FRAME	HEAD H1/JAMB J1 - DETAIL A71A-501	HEAD H2/JAMB J2 - DETAIL A81A-501	EXISTING HEAD/JAMB	3'-0" x 7'-0" x 1-3/4" WOOD (PT-2)	3'-0" x 8'-0" x 1-3/4" WOOD (PT-2)	EXISTING DOOR	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 EVERBLT 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 EVERBLT 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 EVERBLT 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 EVERBLT 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

- 1.1 CLEAN, GRIND, FILL AND LEVEL ALL EXISTING CONCRETE TO RECEIVE NEW FLOORING, STAINING OR SEALING.
- 2.1 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

- 1.1 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

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

2.1 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.

D. AT WALLS TO RECEIVE WALL COVERING: SMOOTH FINISH, NO TEXTURE, PAINT WITH WALL PRIMER.

E. ALL WALLS SHALL HAVE ROUND CORNER BEAD, TYP.

F. ALL GYP BOARD SOFFITS SHALL HAVE ROUND CORNER BEAD, TYP.

5.1 FLOOR FINISH NOTES:

A. ALL FLOOR TO RECEIVE CERAMIC TILE SHALL HAVE A MAXIMUM OF PER FOOT SLOPE ACROSS PER 10'X10' AREA.

B. ALL FLOOR EXPANSION JOINTS, PATCHES AND IMPERFECTIONS SHALL BE PREPARED WITH EPOXY TYPE FLOOR LEVELER AND/OR FILLER PRIOR TO FINAL FLOOR COVERING INSTALLATION.

C. ALL FLOOR FINISHES ARE AS INDICATED ON THE ROOM FINISH SCHEDULE. WITH FINAL COLOR AND STYLE SELECTIONS BY OWNER/TENANT.

D. CARPET AND INTERIOR FLOOR FINISHES COMPRISED OF FIBERS IN VERTICAL EXITS, EXIT PASSAGEWAYS AND EXIT ACCESS CORRIDORS SHALL NOT BE LESS THEN CLASS II IN ACCORDANCE WITH NFPA 253. IN ALL OTHER AREAS THE INTERIOR FLOOR FINISHES SHALL COMPLY WITH THE DOC FF-1 "PILL TEST"(CPSC 16 CFR, PART 1630). IN A SPRINKLERED BUILDING, MATERIALS COMPLYING WITH THE "PILL TEST" MAY BE USED WHERE CLASS II ARE REQUIRED.

E. TRANSITIONS BETWEEN MATERIALS TO BE WITH SCHLUTER TRIM OR EQUIVALENT. MAXIMUM 1/8" TOLERANCE BETWEEN ELEVATIONS OF FINISHED MATERIALS.

DIVISION 12 FURNISHINGS

CASEWORK
1.1 DETAILED CASEWORK DRAWINGS ARE NOT A PART OF THE SCOPE OF THESE DOCUMENTS. CONTRACTOR SHALL WORK WITH A CASEWORK SUBCONTRACTOR AND THE OWNER/TENANT TO DETERMINE THE LAYOUT AND QUANTITY OF ALL CASEWORK DIAGRAMMATICALLY SHOWN ON THE FLOOR PLANS.

2.1 PROVIDE CASEWORK AS INDICATED IN THESE DOCUMENTS. PROVIDE SHOP DRAWINGS FOR THE OWNER TO REVIEW PRIOR TO MANUFACTURING SHOWING THE TYPE OF FABRICATION PROPOSED.

3.1 PROVIDE CASEWORK WITH ALL NECESSARY HARDWARE AND HINGES.



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A

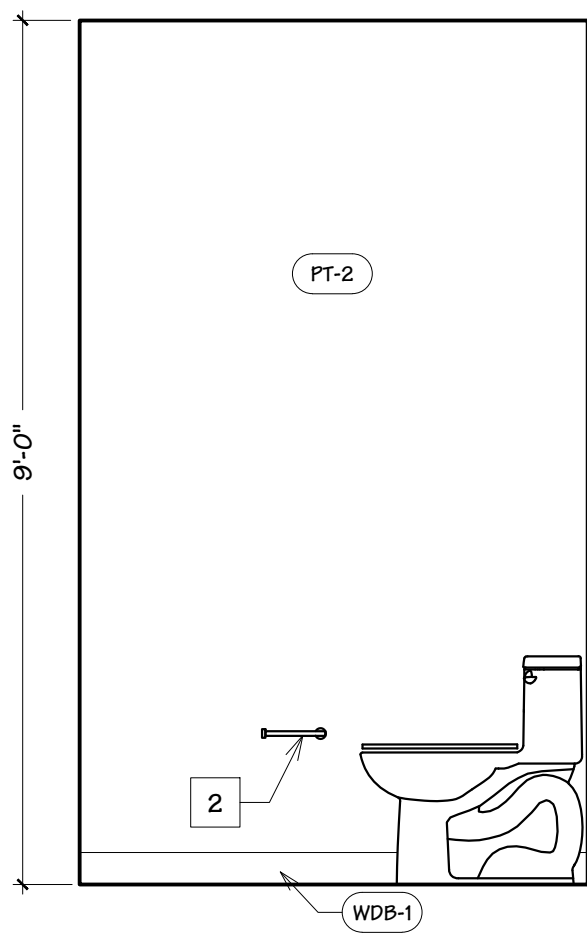
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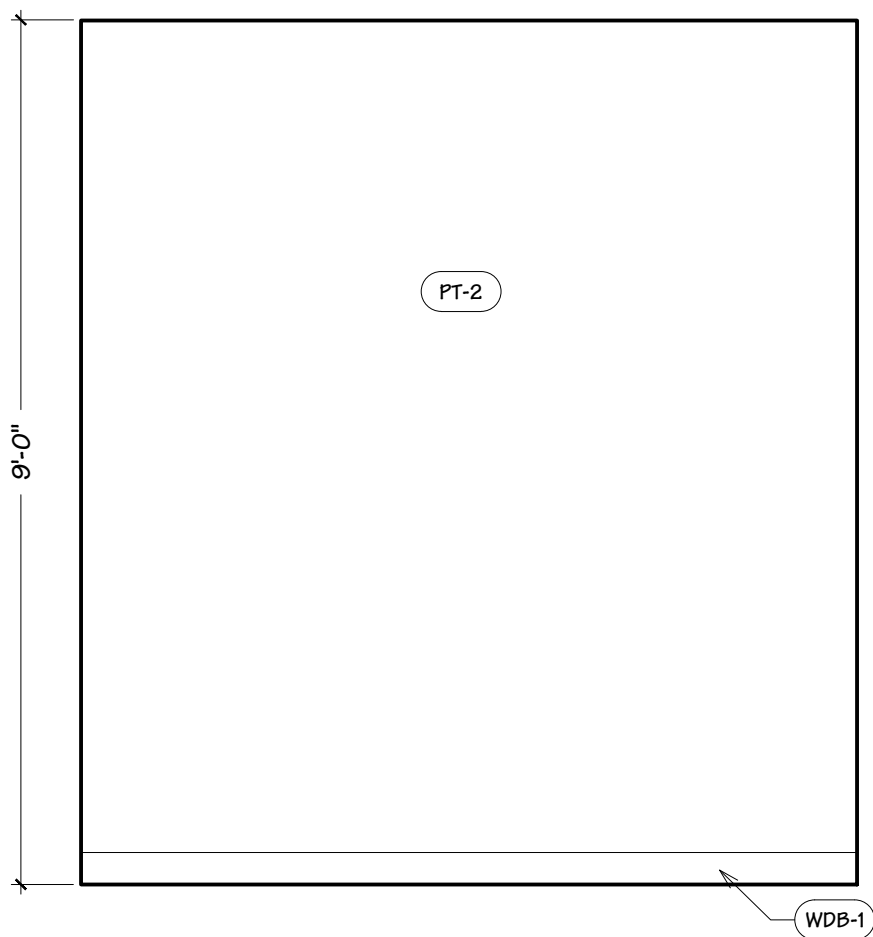
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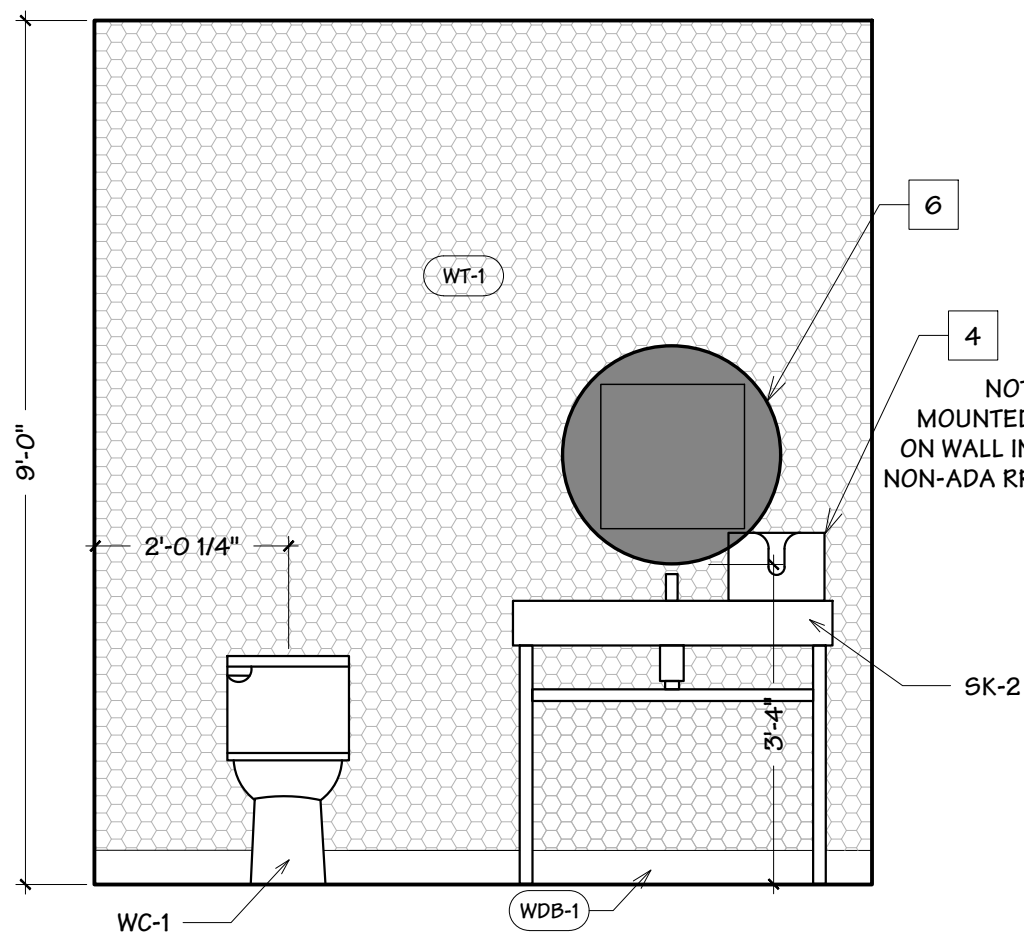
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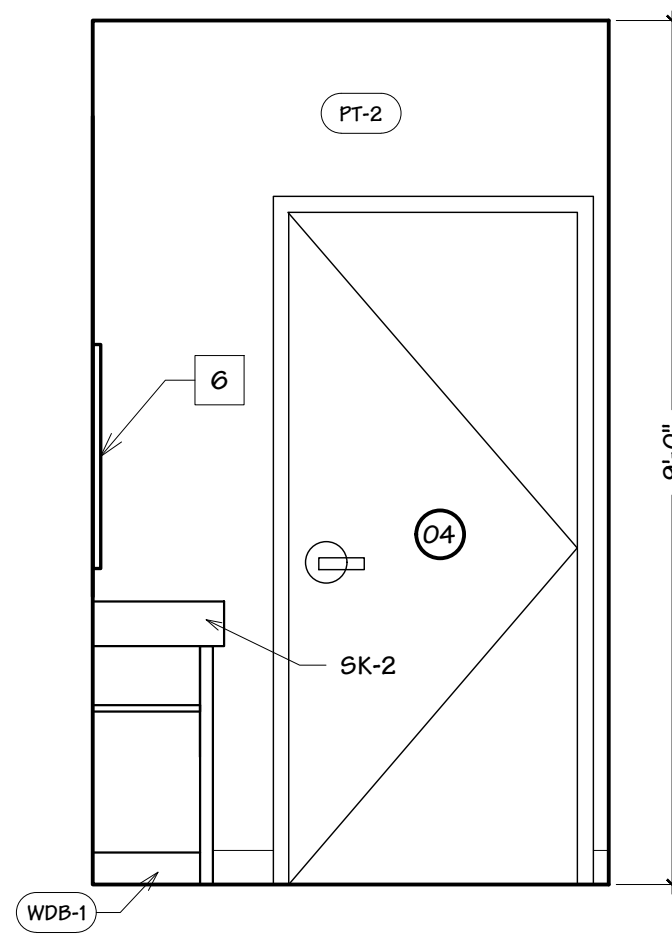
B2 RESTROOM ELEVATION
Scale: 1/2" = 1'-0"



B3 RESTROOM ELEVATION
Scale: 1/2" = 1'-0"



B5 RESTROOM ELEVATION
Scale: 1/2" = 1'-0"

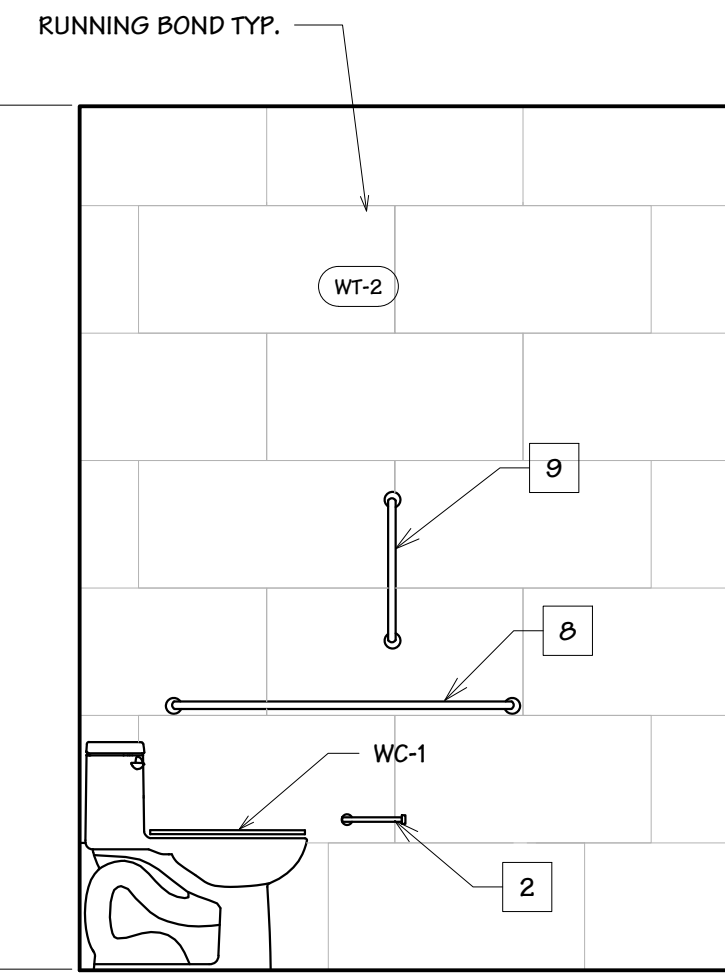


B6 RESTROOM ELEVATION
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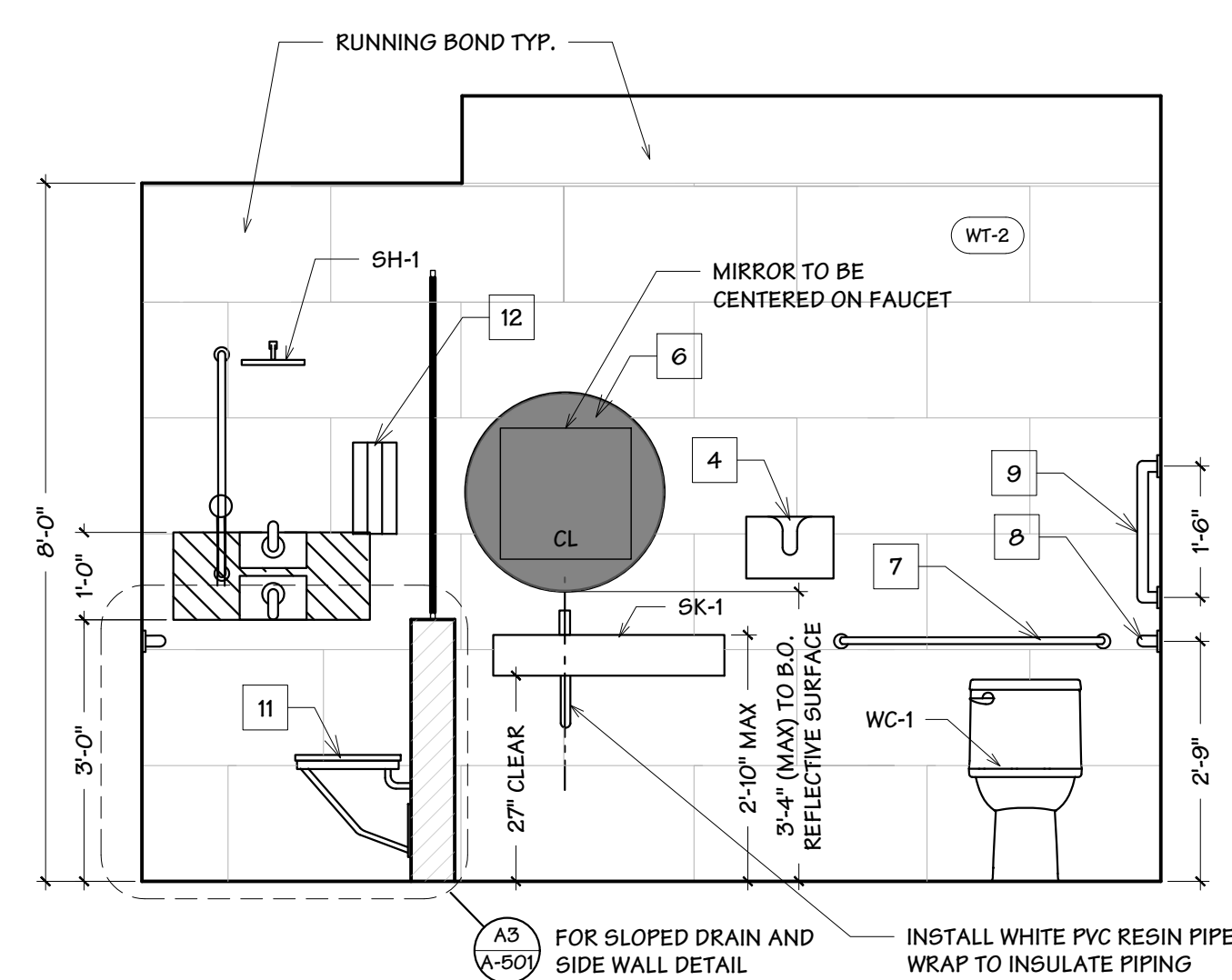
GENERAL NOTES

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

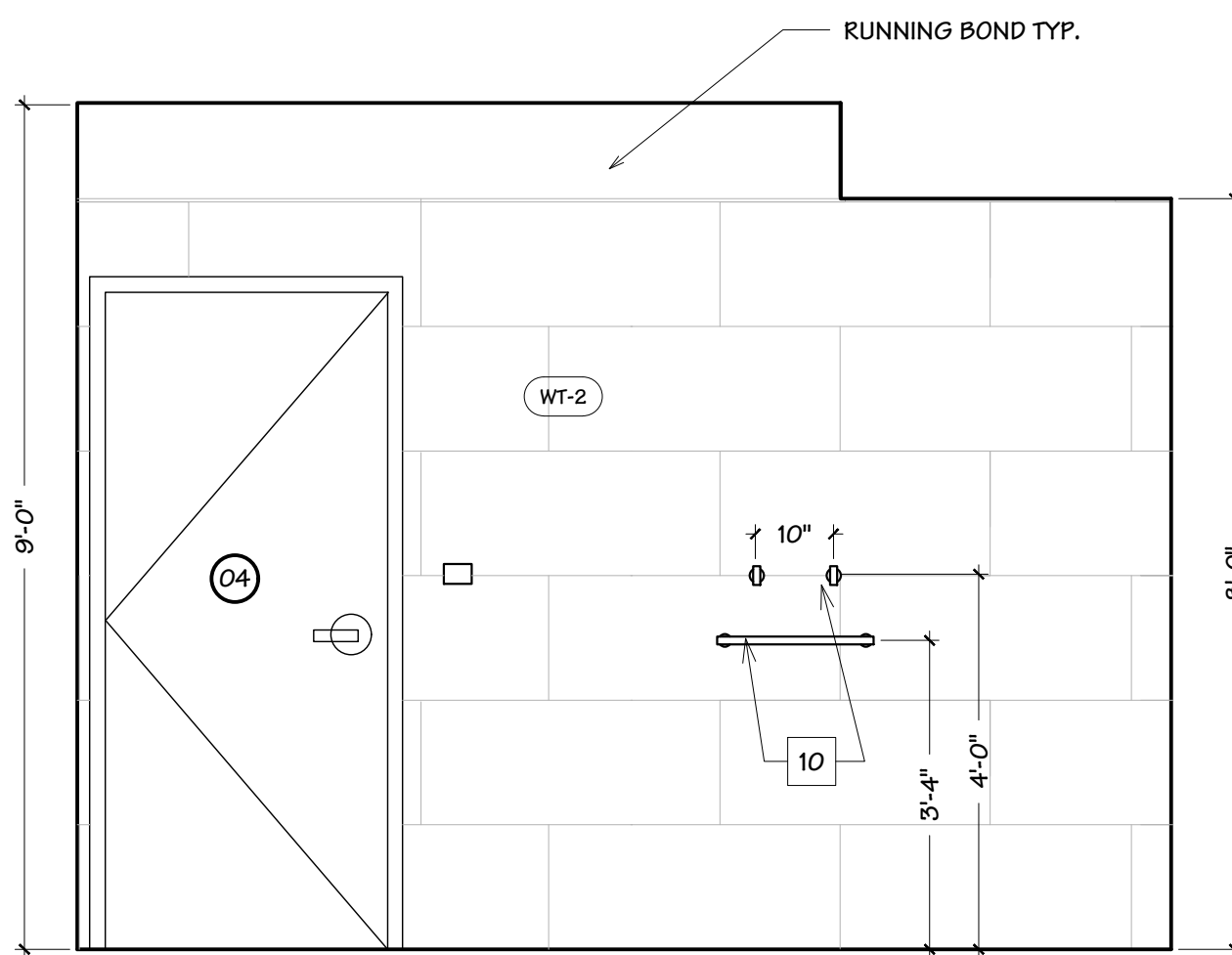
GFCI CONVENIENCE OUTLET IN RESTROOMS TO BE INSTALLED AT 44" AFF



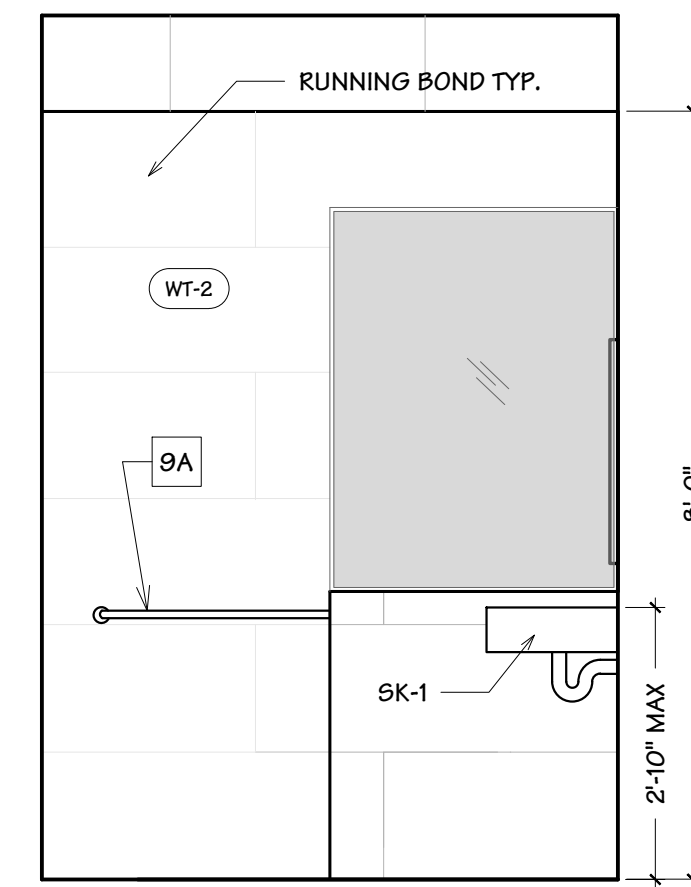
D2 ADA RESTROOM ELEVATION
Scale: 1/2" = 1'-0"



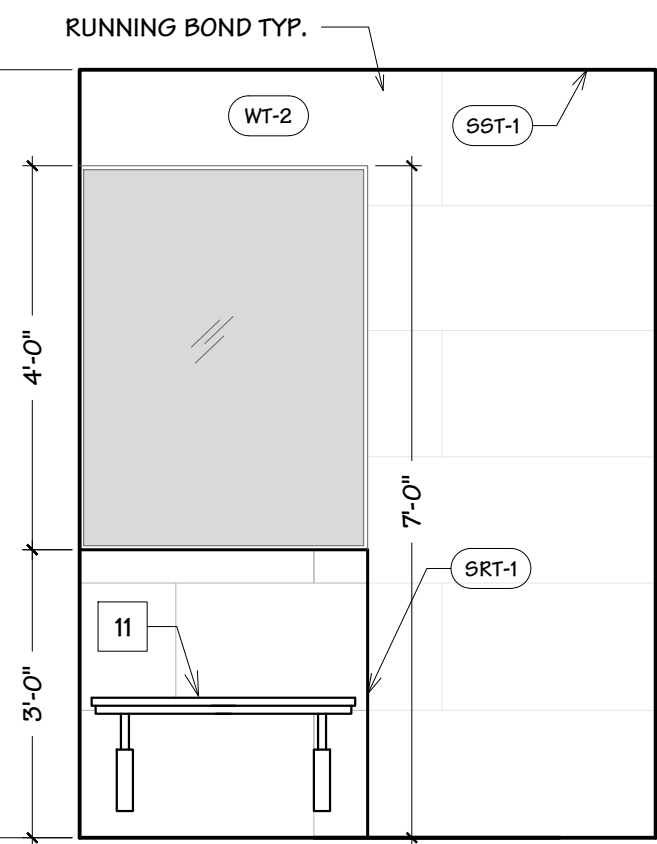
D4 ADA RESTROOM/ SHOWER ELEVATION
Scale: 1/2" = 1'-0"



D6 ADA RESTROOM ELEVATION
Scale: 1/2" = 1'-0"



D7 ADA RESTROOM ELEVATION
Scale: 1/2" = 1'-0"



F2 ADA RESTROOM SHOWER ELEVATION
Scale: 1/2" = 1'-0"



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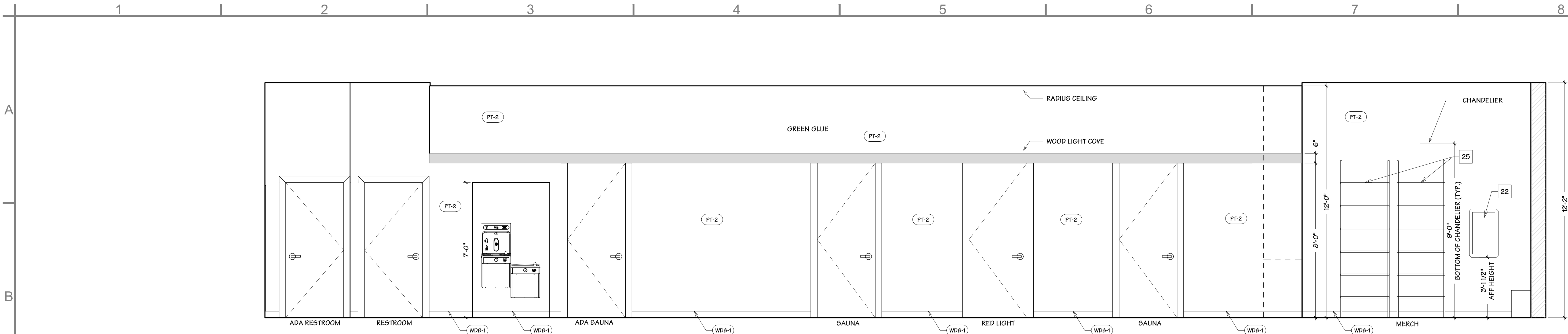
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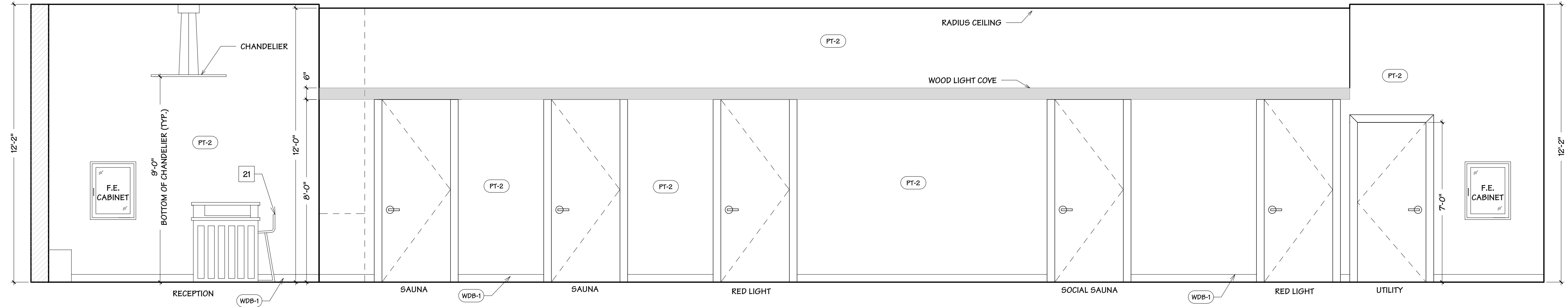
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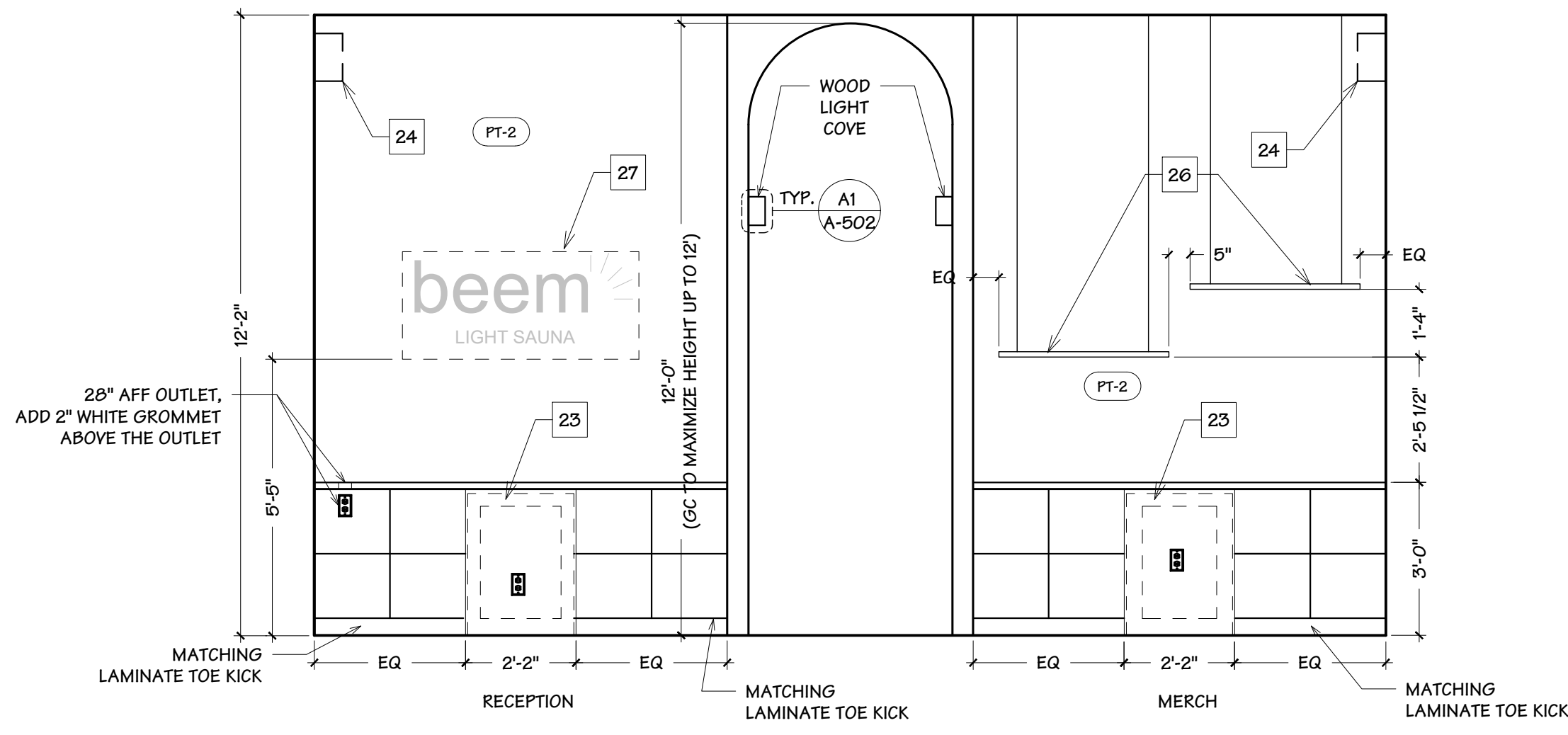
1 2 3 4 5 6 7 8



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.



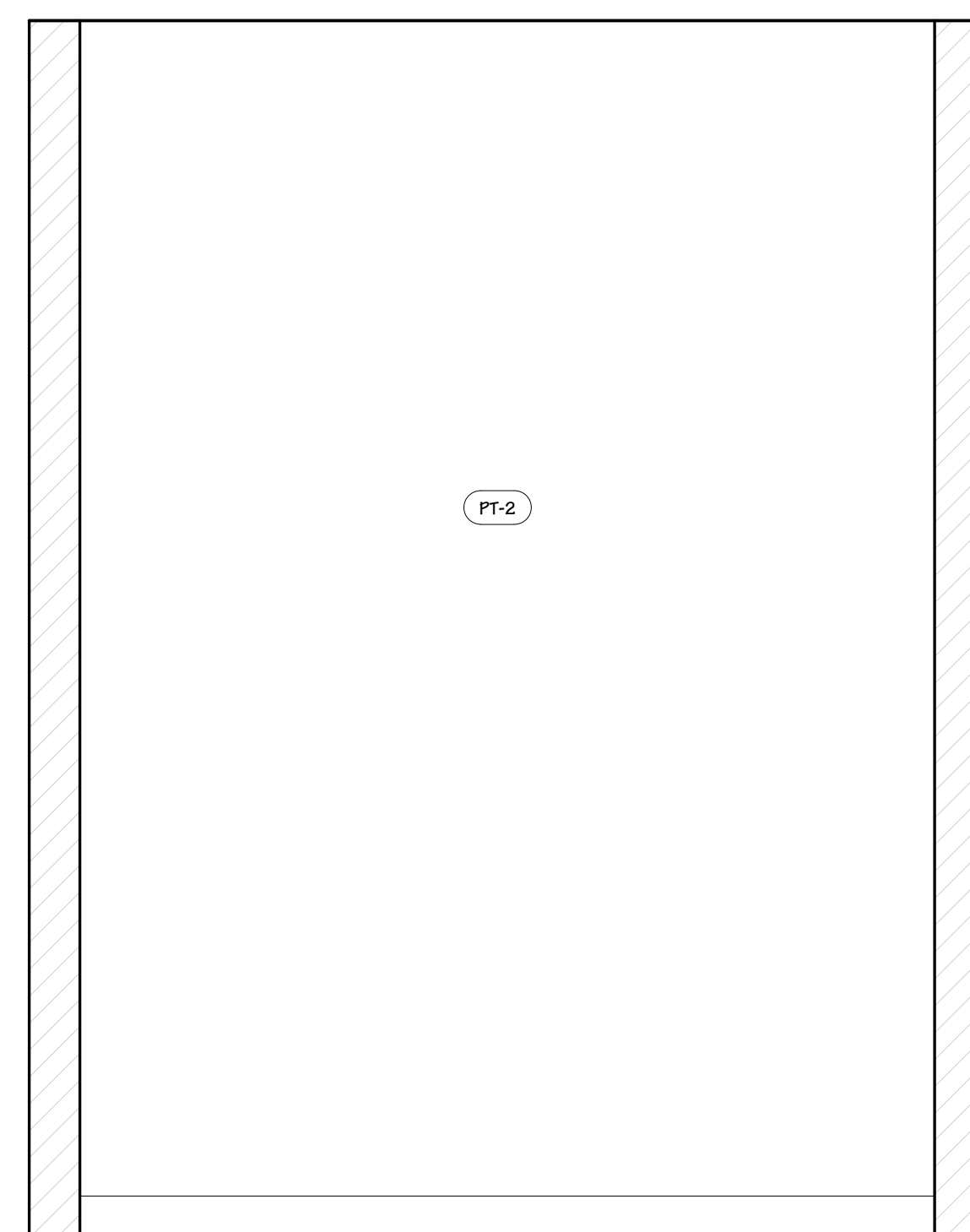
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No.	DATE	NOTE

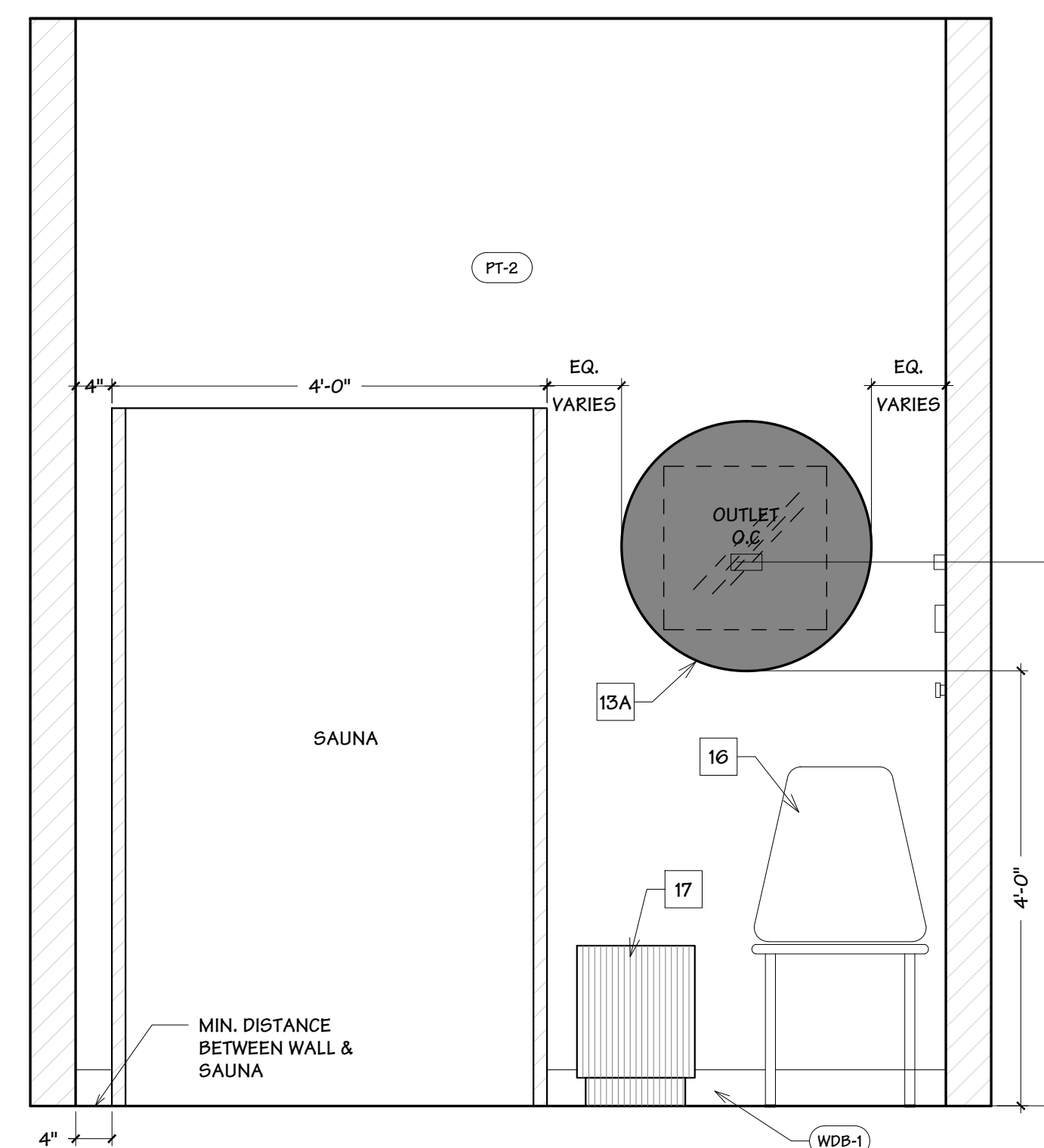
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Project No: ----
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Elevation

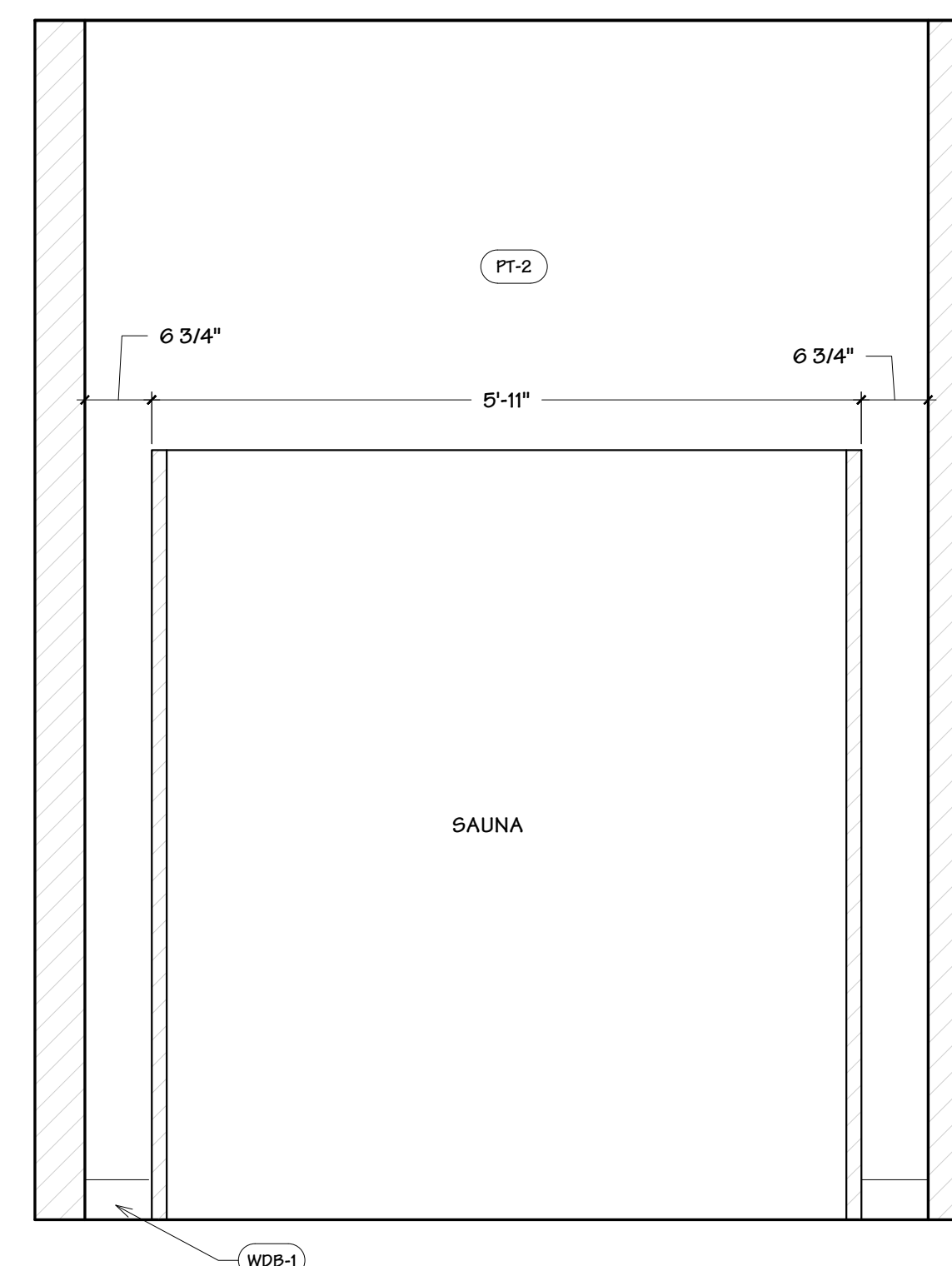
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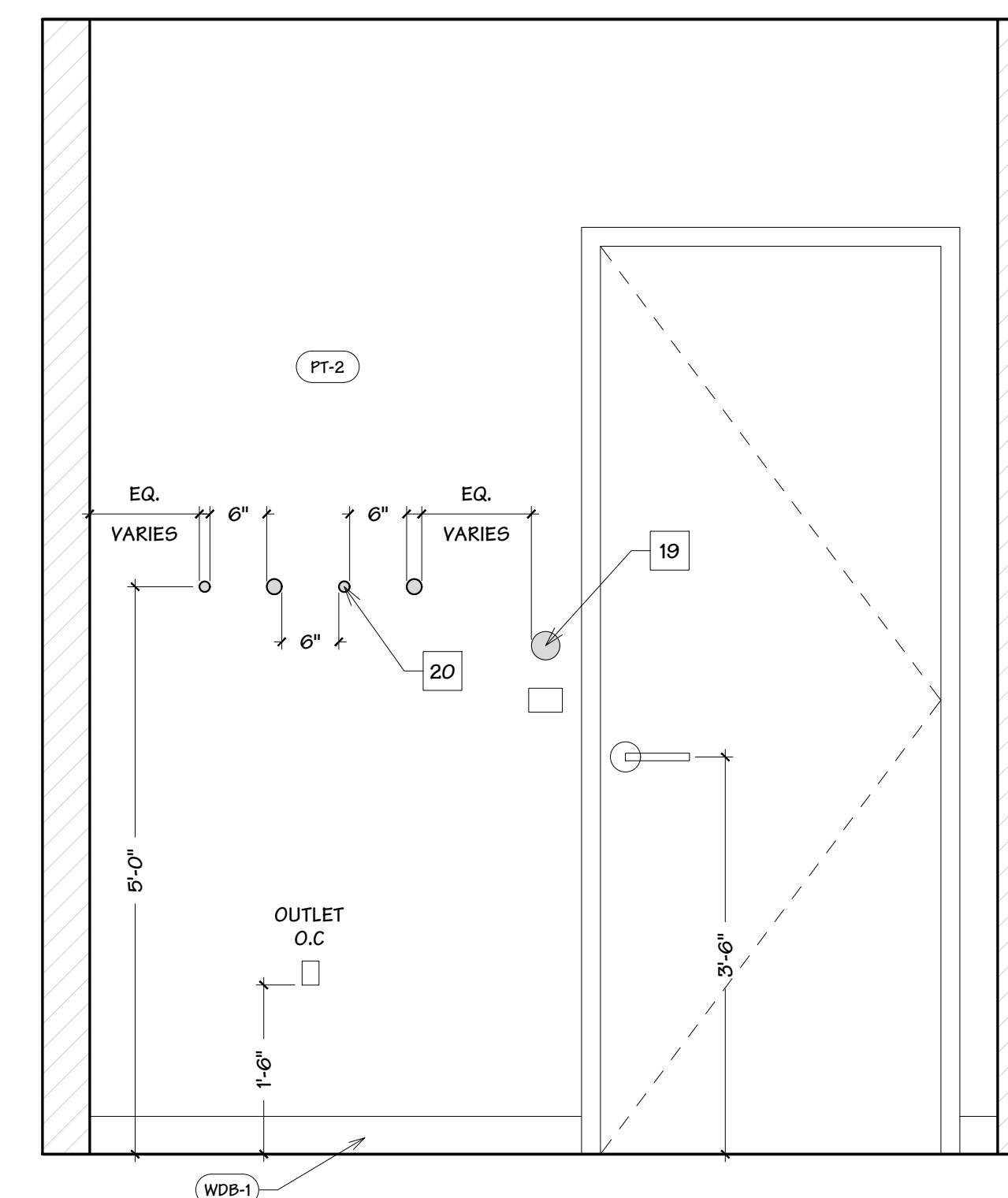
C2 SAUNA ROOM ELEV. (NON-ADA)
Scale: 3/4" = 1'-0"



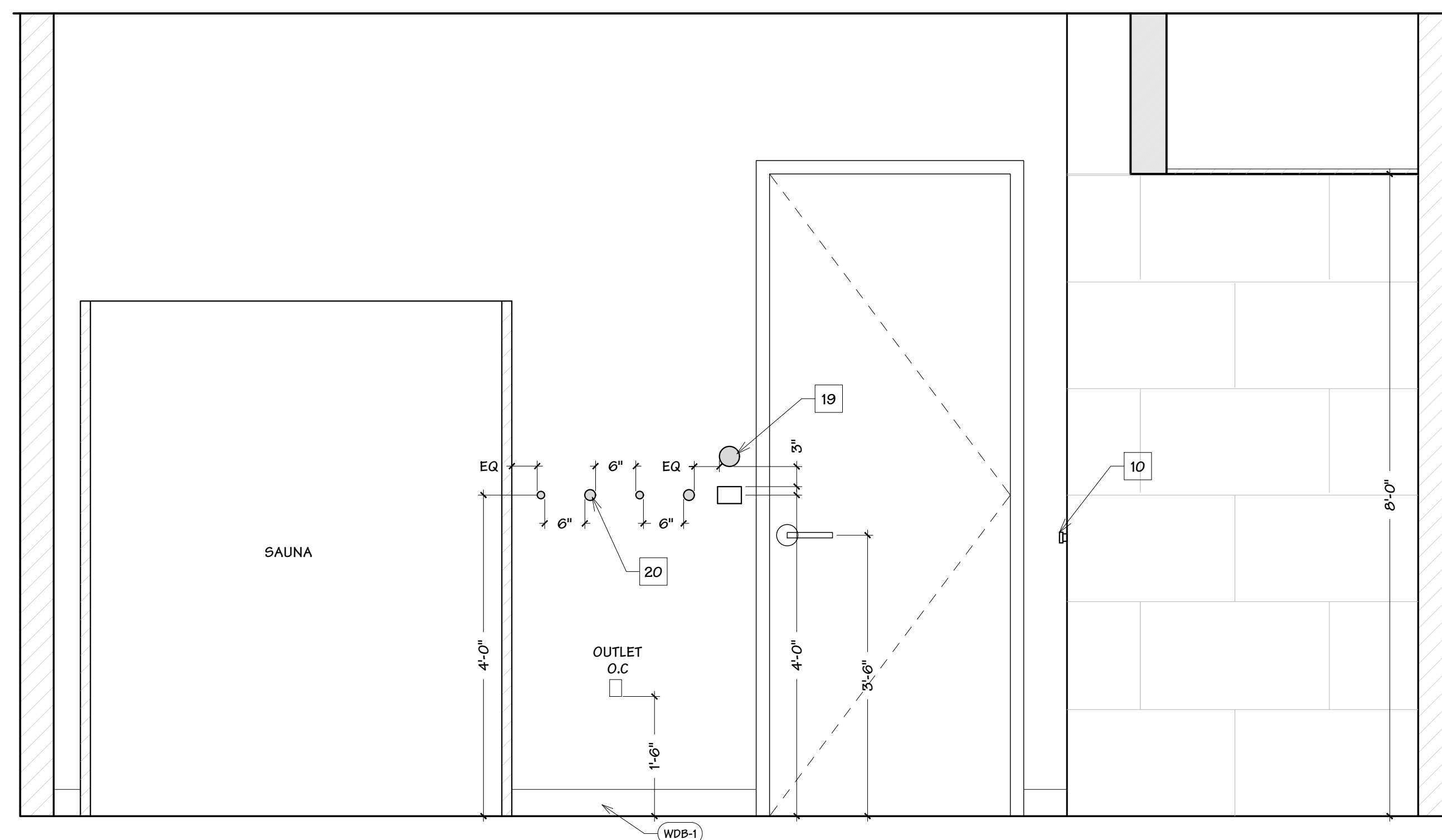
C4 SAUNA ROOM ELEV. (NON-ADA)
Scale: 3/4" = 1'-0"



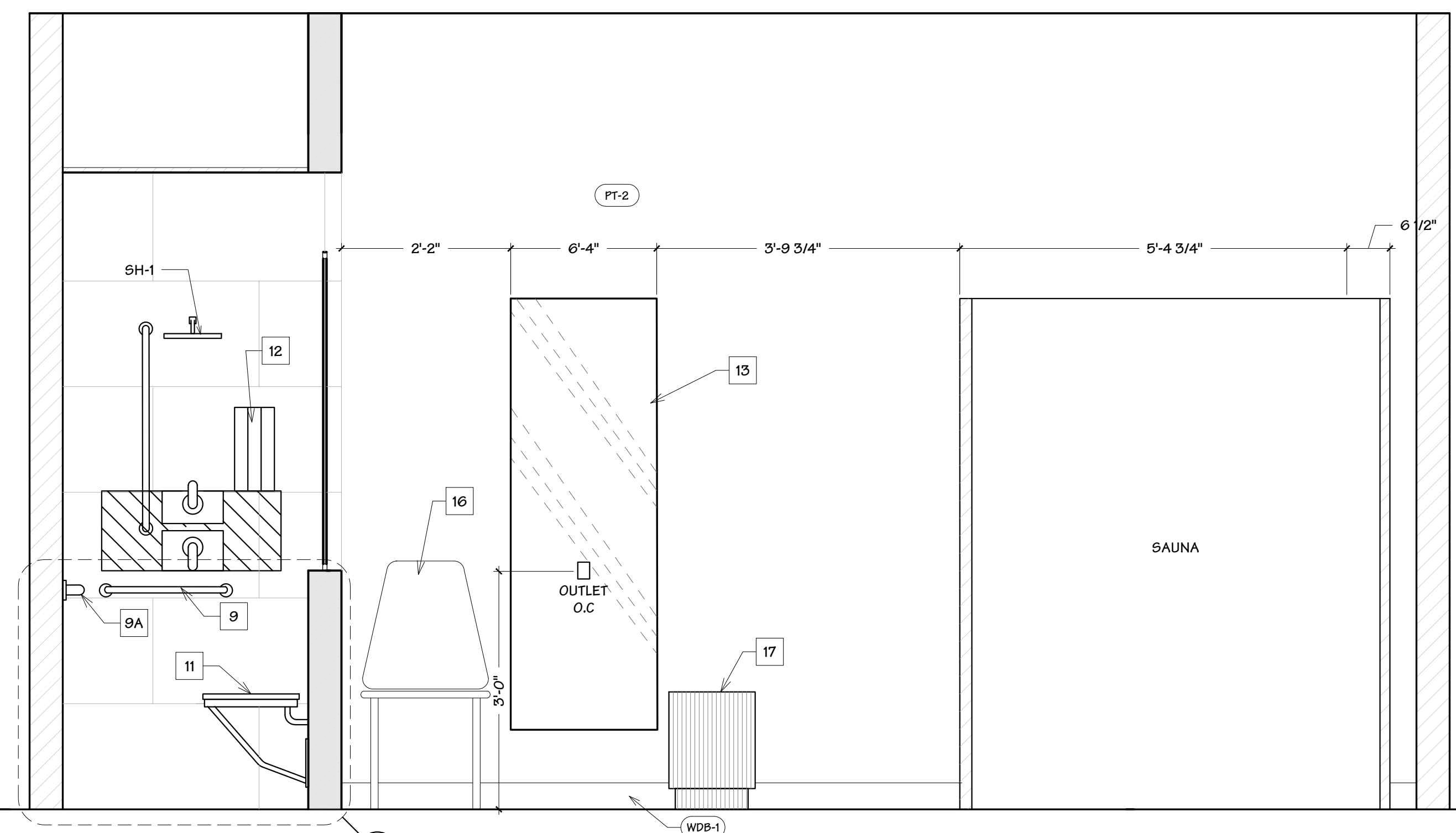
C6 SAUNA ROOM ELEV. (NON-ADA)
Scale: 3/4" = 1'-0"



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"

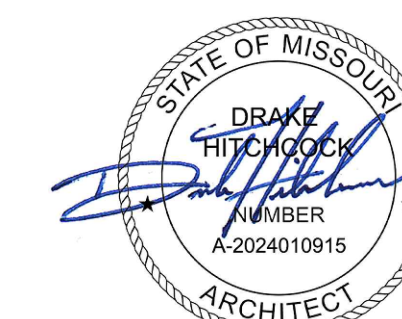
GENERAL NOTES

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Elevation - Sauna

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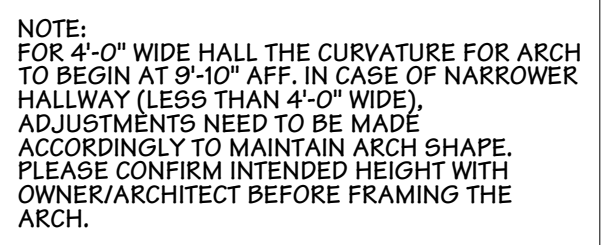
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April 22, 2024

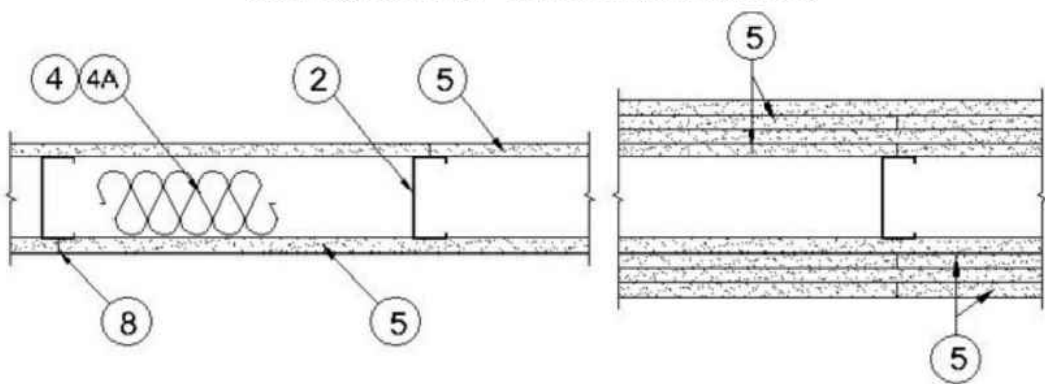
Master Details

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Fire Resistance Ratings - ANSI/UL 263
Design No. U419

August 06, 2012
Nonbearing Wall Ratings -- 1, 2, 3 or 4 Hr (See Items 4 & 5)

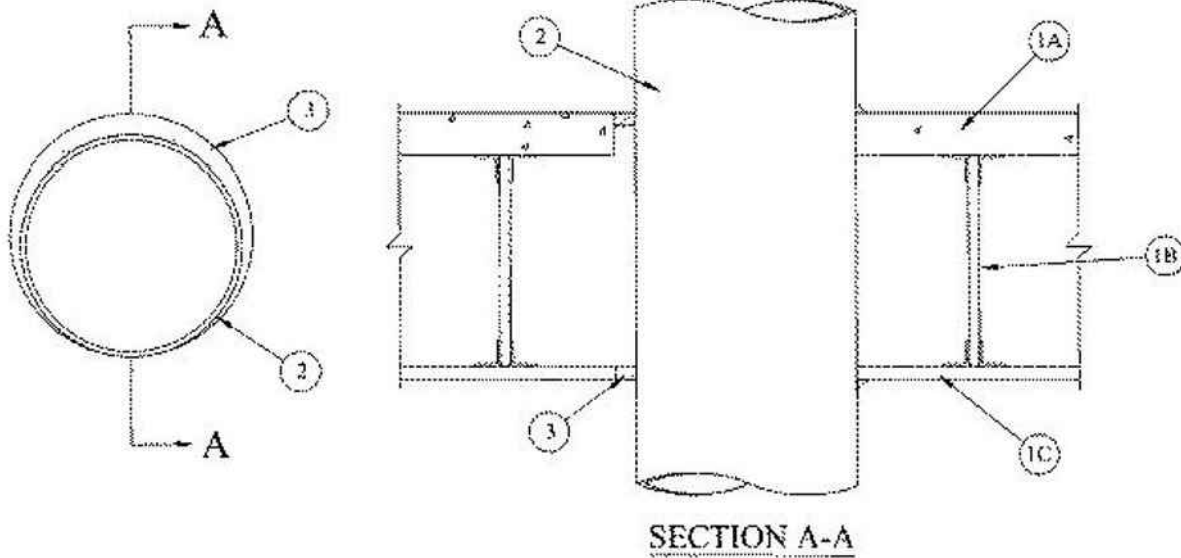


2. STEEL STUDS -- CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.
4. BATTS AND BLANKETS* -- (REQUIRED AS INDICATED UNDER ITEM 5) -- MINERAL WOOL BATTS, FRICTION FITTED BETWEEN STUDS AND RUNNERS. MIN NOM THICKNESS AS INDICATED UNDER ITEM 5.
- 4A. BATTS AND BLANKETS* -- (OPTIONAL) -- PLACED IN STUD CAVITIES, ANY GLASS FIBER OR MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE.
5. GYPSUM BOARD* -- GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. VERTICAL JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED ONE STUD CAVITY. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED A MIN OF 12 IN. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) WITH TYPE ULK NEED NOT BE STAGGERED. THE THICKNESS AND NUMBER OF LAYERS FOR THE 1 HR RATING REQUIRE A MINIMUM STUD DEPTH OF 3-1/2" AND 1 LAYER OF 5/8" THICK PANEL, WITH INSULATION OPTIONAL.

F1 DETAILS - NONBEARING WALL RATING 1, 2, 3 OR 4 HR
Scale: NTS

System No. F-E-7001
May 20, 2005

F Rating -- 1 Hr
T Rating -- 1 Hr



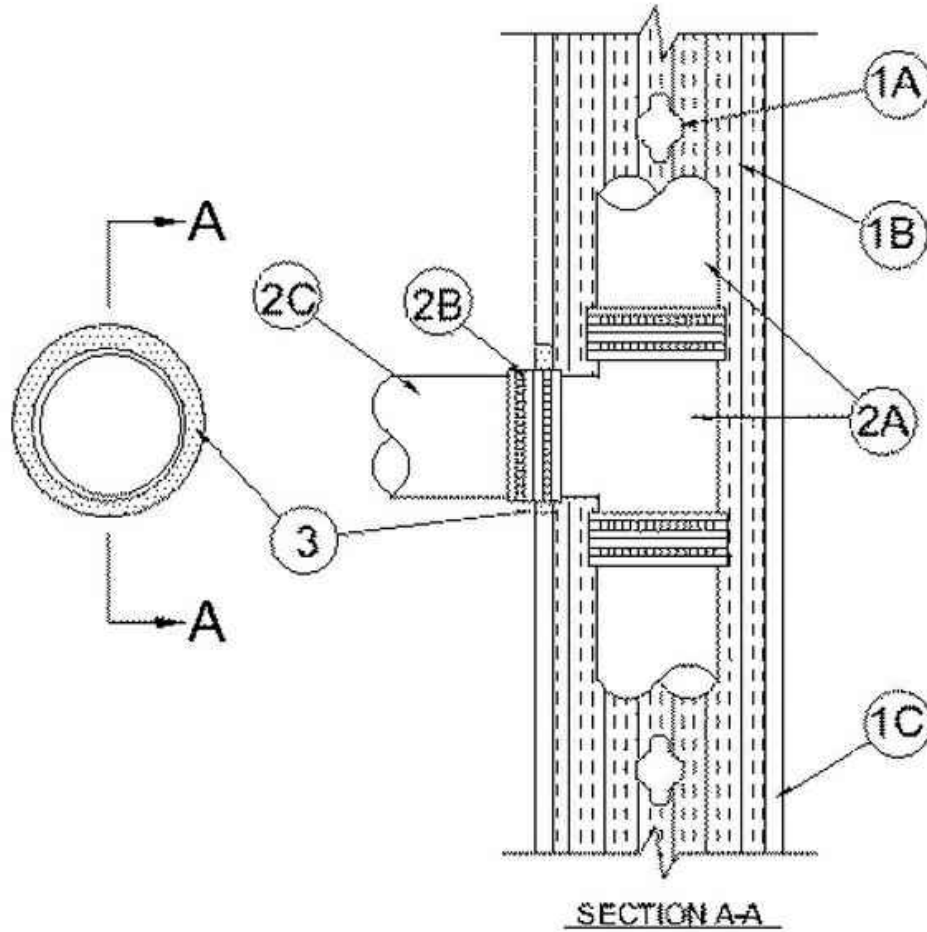
1. FLOOR-CEILING ASSEMBLY -- THE 1 HR FIRE RATED CONCRETE AND STEEL JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL G500 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY, AS SUMMARIZED BELOW:
- A. FLOORING -- LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE AS SPECIFIED IN THE INDIVIDUAL G500 SERIES DESIGN. MAX DIAM OF OPENING IS 11 IN. (279 MM).
- A. JOISTS -- STEEL JOISTS OR STRUCTURAL STEEL MEMBERS* AS SPECIFIED IN THE INDIVIDUAL G500 SERIES DESIGN.
- C. GYPSUM BOARD* -- MIN 5/8 IN. (16 MM) THICK, SCREW-ATTACHED TO FURRING CHANNELS AS SPECIFIED IN THE INDIVIDUAL G500 SERIES DESIGN. MAX DIAM OF OPENING IS 11 IN. (279 MM).
2. STEEL VENT DUCT -- NOM 4 IN. (102 MM) DIAM (OR SMALLER) NO. 30 GAUGE (OR HEAVIER) GALV STEEL VENT DUCT OR NOM 10 IN. (254 MM) DIAM (OR SMALLER) NO. 20 GAUGE (OR HEAVIER) GALV STEEL VENT DUCT. DIAM OF OPENINGS TO BE MAX 1 IN. (25 MM) LARGER THAN OUTSIDE DIAM OF DUCT. DUCT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY IN OPENING. THE ANNULAR SPACE BETWEEN THE DUCT AND THE PERIPHERY OF OPENING SHALL BE MIN 0 IN. (0 MM, POINT CONTACT) TO MAX 1 IN. (25 MM). DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR-CEILING ASSEMBLY.
3. FILL, VOID OR CAVITY MATERIALS* -- CAULK OR SEALANT -- MIN 3/4 IN. (19 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR. MIN 5/8 IN. (16 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTTOM SURFACE OF CEILING. AN ADDITIONAL MIN 1/4 IN. (6 MM) BEAD OF FILL MATERIAL APPLIED AT THE DUCT/FLOOR INTERFACE AT POINT CONTACT LOCATION ON THE TOP SURFACE OF FLOOR AND AT THE DUCT/CEILING INTERFACE AT POINT CONTACT LOCATION ON THE LOWER SURFACE OF CEILING.

F3 DETAILS - 1 HR, CEILING/FLOOR PENETRATION
Scale: NTS

UL 1479 Standard
System No. W-L-1330
September 25, 2003

F Rating -- 1 Hr
T Rating -- 1 Hr

L Rating at Ambient -- Less Than 1 CFM/sq ft.
L Rating at 400 F -- 3 CFM/sq ft.

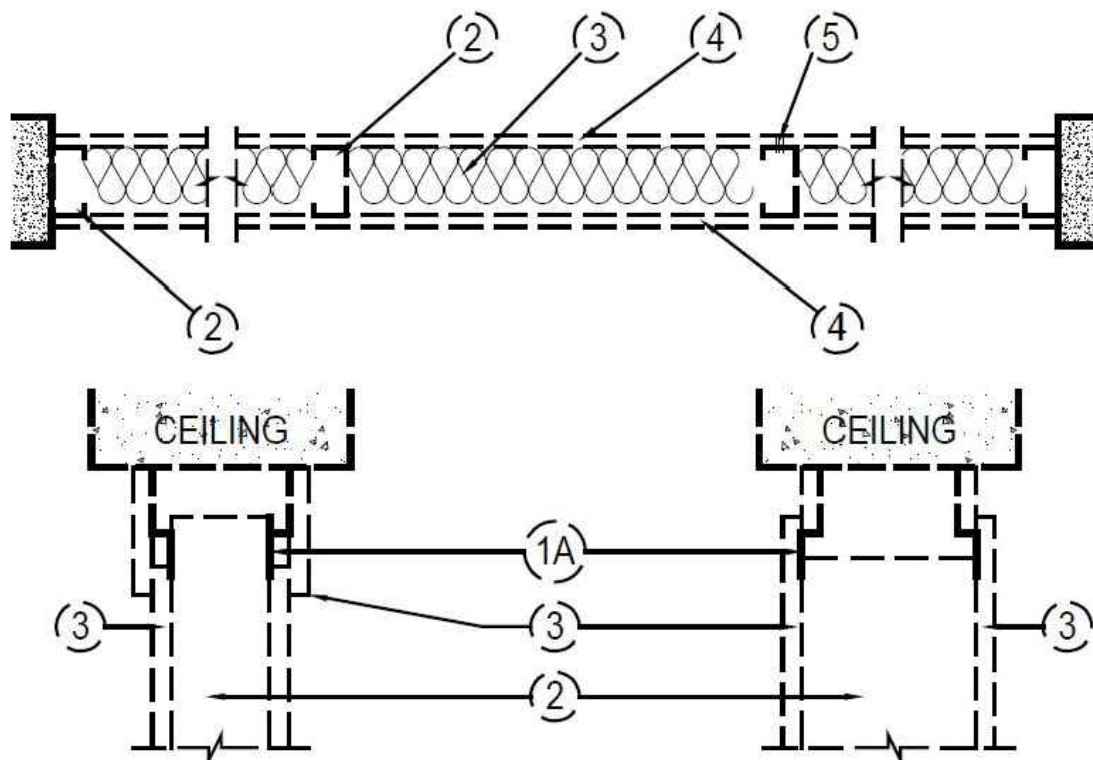


1. WALL ASSEMBLY -- THE FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
- A. STUDS -- WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE AND SPACED MAX 24 IN. OC.
- B. INSULATION* -- R13 (OR HIGHER) GLASS FIBER OR MINERAL FIBER BATT INSULATION FRICTION FITTED INTO STUD CAVITY.
- C. GYPSUM BOARD* -- ONE LAYER OF NOM 5/8 IN. THICK GYPSUM BOARD, AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 4-1/2 IN.
2. PIPING SYSTEM -- THE PIPING SYSTEM FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS SHALL CONSIST OF THE FOLLOWING:
- A. STEEL OR IRON PIPE -- NOM 3 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE OR SCHEDULE 40 (OR HEAVIER) STEEL PIPE, INSTALLED WITHIN STUD CAVITY AND CONNECTED TO TEE. THE TEE PENETRATES WALL ON ONE SIDE AND IS INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN THE TEE AND THE EDGE OF THE OPENING SHALL BE MIN 3/8 IN. TO MAX 5/8 IN.
- B. SHIELDED SLIP ON COUPLING -- NOM 3 IN. DIAM (OR SMALLER) 32 GAUGE (OR HEAVIER) CORRUGATED STAINLESS STEEL SHIELDED RUBBER COUPLING. COUPLING TO BE SECURED TO TEE WITH STAINLESS STEEL HOSE CLAMP AT ANY POINT BEYOND THE SURFACE OF WALL, OR MAY EXTEND A MAX OF 1 IN. INTO OPENING. WHEN COUPLING EXTENDS INTO OPENING, THE ANNULAR SPACE BETWEEN THE COUPLING AND THE EDGE OF THE OPENING SHALL BE MIN 1/4 IN. TO MAX 1/2 IN.
- C. BRANCH PIPING -- BRANCH PIPE IS SECURED TO SHIELDED SLIP ON COUPLING WITH STAINLESS STEEL HOSE CLAMP AND MAY CONSIST OF THE FOLLOWING:
1. POLYVINYL CHLORIDE (PVC) PIPE -- NOM 3 IN. DIAM (OR SMALLER) SCHEDULE 40 SOLID CORE PVC PIPE.
2. STEEL OR IRON PIPE -- NOM 3 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE OR SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
3. FILL, VOID OR CAVITY MATERIAL* -- SEALANT -- MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH SURFACE OF WALL.

F5 DETAILS - 1 HR, WALL PENETRATION
Scale: NTS

Fire-resistance Ratings - ANSI/UL 263

DESIGN NO. U465
NONBEARING WALL RATING - 1HR.



1. FLOOR AND CEILING RUNNERS --(NOT SHOWN)--CHANNEL SHAPED RUNNERS, 3 5/8 IN. WIDE (MIN), 1-1/4 IN. LEGS, FORMED FROM NO. 25 MSG (MIN) GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. O.C. MAX.
- 1A. AS AN ALTERNATE TO ITEM 1 CEILING RUNNER*-25 MSG MIN GALV STEEL WIDTH TO ACCOMMODATE STUD, WITH 3 OR 4 IN. LEGS OFFSET AT MIDPOINT 5/8 IN. TO ACCOMMODATE WALL CLADDING THICKNESS. ATTACHED TO CEILING WITH FASTENERS SPACES 24 IN. O.C. THE WALL CLADDING SHALL OVERLAP WALLBOARD 1-1/4" IN. MIN. FIRE TRACK CORP.
2. STEEL STUDS-CHANNEL SHAPED, 3-5/8 IN. WIDE (MIN), 1-1/4 IN. LEGS, 3/8 IN. FOLDED BACK RETURNS, FORMED FROM NO. 25 MSG (MIN) GALV STEEL SPACED 24 IN. OC MAX.
3. BATTS AND BLANKETS*-(OPTIONAL)-MINERAL WOOD OR GLASS FIBER BATTS PARTIALLY OR COMPLETELY FILLING STUD CAVITY. SEE BATTS AND BLANKETS (B2J2) CATEGORY FOR THE NAMES OF CLASSIFIED COMPANIES.
4. WALLBOARD, GYPSUM*-5/8 IN. THICK, 4 FT. WIDE, ATTACHED TO STEEL STUDS AND FLOOR AND CEILING TRACK WITH 1 IN. LONG, TYPE 2 SELF-TAPPING STEEL SCREWS SPACED 9 IN. OC ALONG EDGES OF BOARD AND 12 IN. OC IN THE FIELD OF THE BOARD. JOINTS ORIENTED VERTICALLY AND STAGGERED ON OPPOSITE SIDES OF THE ASSEMBLY. WHEN ATTACHED TO ITEM 6 (FURRING CHANNELS), WALLBOARD IS SCREW ATTACHED TO FURRING CHANNELS WITH 1 IN. LONG, TYPE 5 STEEL SCREWS SPACED 12 IN. OC.
- CANADIAN GYPSUM CO. LTD - TYPE C, SCX, SHX, WRX.
CONTINENTAL GYPSUM COMPANY - TYPE CG-C.
DOMTAR GYPSUM INC. - TYPE B OR C.
EAGLE-GYPSUM PRODUCTS - TYPE EG-C.
GEORGIA-PACIFIC CORP., GYPSUM DIV. - TYPE GPF5-6 OR GPF5-C. NATIONAL GYPSUM CO., CHARLOTTE, NC - TYPE FSK-G, FSW-G. NATIONAL GYPSUM CO., RIYADH, SAUDI ARABIA - TYPE FR OR WR. PABCO GYPSUM CO. - TYPE PG-C.
REPUBLIC GYPSUM CO. - TYPE RG-C.
STANDARD GYPSUM CORP. - TYPE SG-C.
TEMPLE-INLAND FOREST PRODUCTS CORP. - TYPE TP-5.
UNITED STATES GYPSUM CO. - TYPE AR, C, IP-X2, SCX, SHX, WRG, OR WRX. WESTROC INDUSTRIES LTD. - TYPE WESTROC FIREBOARD.
- 4A. WALLBOARD, GYPSUM*-(AS AN ALTERNATE TO ITEM 4)-NOM 3/4 IN. THICK, 4 FT. WIDE, INSTALLED AS DESCRIBED IN ITEM 4 WITH SCREW LENGTH INCREASED TO 1-1/4 IN. UNITED STATES GYPSUM CO. - TYPE AR.
- 4B. WALLBOARD, GYPSUM*-(AS AN ALTERNATE TO ITEMS 4 AND 4A)-5/8 IN. THICK INSTALLED AS DESCRIBED IN ITEM 4. JOINT COVERING (ITEM 5) NOT REQUIRED. UNITED STATES GYPSUM CO. - TYPE WSX.
5. JOINT TAPE AND COMPOUND-VINYL, DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS; PAPER TAPE, 2 IN. WIDE, WMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS. AS AN ALTERNATE, NOMINAL 3/32 IN. THICK GYPSUM VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF CLASSIFIED VENEER BASEBOARD. JOINTS REINFORCED.
6. FURRING CHANNEL-(OPTIONAL-NOT SHOWN)-RESILIENT 25 MSG GALV STEEL FURRING CHANNELS SPACED VERTICALLY MAX 24 IN. OC. FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. LONG TYPE 5-12 PAN-HEAD STEEL SCREWS. * BEARING THE UL CLASSIFICATION MARKING.

F7 DETAILS - 1 HR, SEPARATION WALL
Scale: NTS



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Project No: ----
Date: April 22, 2024

UL Details

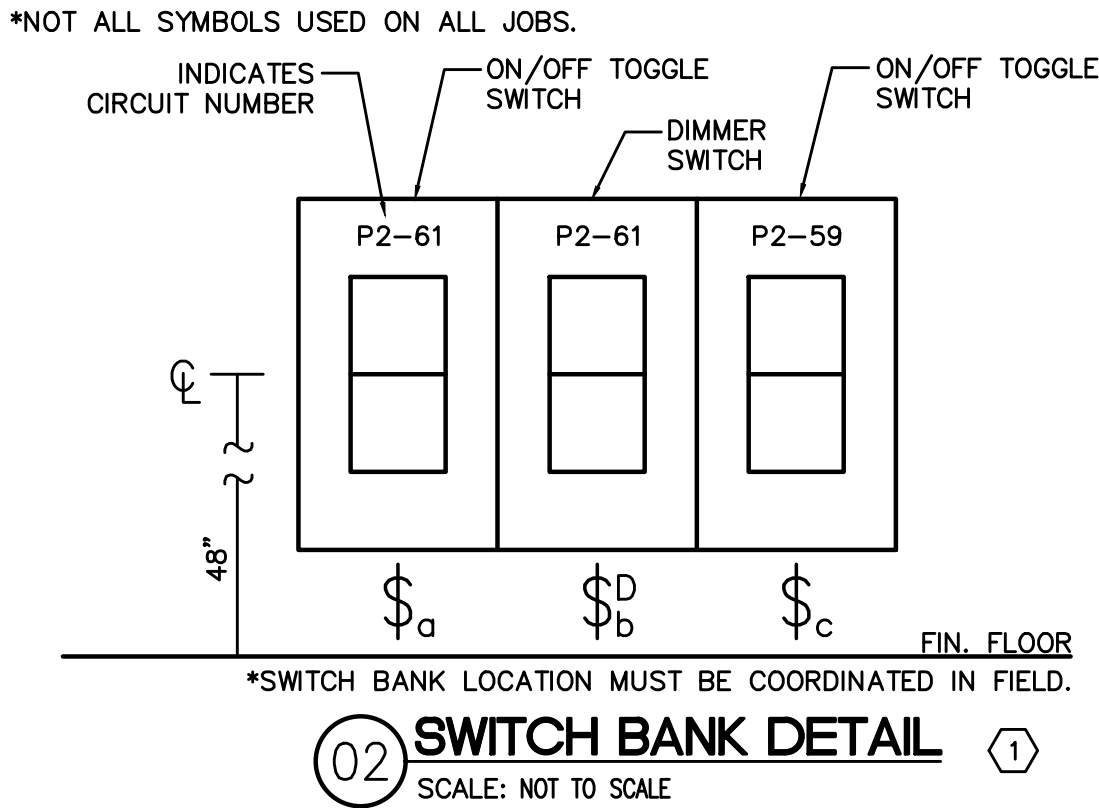
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SENSOR AND DEVICE SCHEDULE					
DESCRIPTION	SYMBOL	MODEL NUMBER	MOUNTING	TIME DELAY	NOTES
DECORA SWITCH	\$	LUTRON CLARO CA-1PS-WH	WALL	N/A	2
DIMMER SWITCH	\$ _D	LUTRON DIVA DVCL-153PR-WH	WALL	N/A	1
DUAL TECHNOLOGY OCCUPANCY/VACANCY SENSOR SWITCH	\$ _{OS}	WATTSTOPPER DW-100 (OR EQUAL)	WALL	5, 15, OR 30 MINUTES	2
DAYLIGHT/OCCUPANCY SENSOR	←CS→	LEVITON 06C04-IDW (OR EQUAL)	CEILING	N/A	
NOTES: 1. DIMMING PROTOCOL (ELV, 0-10V, ETC) SHALL BE COORDINATED WITH FINAL APPROVED LIGHTING FIXTURES PRIOR TO PURCHASE AND INSTALLATION OF DIMMERS. 2. ALL SWITCHES/DIMMERS AND THEIR ASSOCIATED WALL PLATES SHALL BE WHITE.					

ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	HEIGHT (U.N.O.)
\$	SINGLE POLE SINGLE THROW TOGGLE SWITCH (NOTE L-1)	4"
\$ ₃	THREE-WAY TOGGLE SWITCH (NOTE L-1)	4"
\$ _D	DIMMER SWITCH (NOTE L-1)	4"
\$ _{OS}	OCCUPANCY/VACANCY SWITCH	4"
\$ _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.).		



LIGHTING LEGEND				
MARK	MANUFACTURER & MODEL #	DESCRIPTION	LAMPS	NOTES
*A	39" VONN SIRIUS VMP25030BL, BLACK	CHANDELIER SUSPENDED 120V INSTALL AT 9'-0" AFF	3 LAMP 119W LED	3000K
*B	HALO HC410D010 RECESSED 4" 3500K, WHITE TRIM	WHITE W/ REGRESSED LENS RECESSED 120V	11W LED	3500K
*C	HALO HC610D010 RECESSED 6" 3500K, WHITE TRIM	WHITE W/ REGRESSED LENS RECESSED 120V	11W LED	3500K
*D	PLT-90270	LED SUSPENSION LIGHT FIXTURE	35W LED	3500K
*E	WYZE LIGHT STRIP PRO	LED LIGHT TAPE, 120V	24W (16.4Ft) 48W (32.8Ft) LED	3000K
*F	LITHONIA EU2L WHITE	WALL MOUNTED EMERGENCY LIGHT FIXTURE WITH EMERGENCY BATTERY PACK (90 MIN.)		
*G	THE EXIT LIGHT CO. COMBOELR-R	CEILING OR WALL RECESSED MOUNTED COMBO EXIT LIGHT FIXTURE W/ RED LETTERS AND ALUMINUM HOUSING WITH ACRYLIC FACE. EMERGENCY BATTERY PACK (90 MIN)		
*H	THE EXIT LIGHT CO. CHELR-R	CEILING MOUNTED EXIT LIGHT FIXTURE W/ OPEN-FACE ACRYLIC PANEL, SILK-SCREEN RED LETTERS. EMERGENCY BATTERY PACK		

*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) WITH 90 MINUTE BATTERY BACKUP.

D. ELECTRICAL SUB-CONTRACTOR IS RESPONSIBLE FOR ALL REFLECTED CEILING PLAN NOTES ON ARCHITECTURAL DRAWINGS.

E. ALL FLUORESCENT LIGHTING SHALL BE PROVIDED WITH INTEGRAL DISCONNECTING MEANS PER NEC.

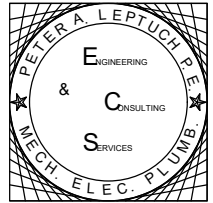
F. EXTERIOR LIGHTS ARE ASSUMED TO BE EXISTING BY LANDLORD, TO REMAIN.

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.

KEY NOTES BY SYMBOL

- 1 SWITCH BANK CONSISTING OF SWITCHES UNDER COMMON FACEPLATES FOR CONTROL OF LIGHTING, MOUNTED AT A MAXIMUM OF 48" AFF. LABEL EACH SWITCH PER AREA SERVED WITH STATUS INDICATOR, PER ENERGY CODE. REFER TO DETAIL 02, THIS SHEET, AND ARCHITECTURAL ELEVATIONS FOR ADDITIONAL INFORMATION. COORDINATE FINAL LOCATION IN FIELD.
- 2 EXIT LIGHT SHALL BE CIRCUITED TO UNSWITCHED LEG OF LOCAL LIGHT CIRCUIT. PROVIDE CHEVRONS AS NEEDED. BASE BID SHALL ASSUME EXISTING IS PRESENT AT EXISTING EXTERIOR DOORS AND SUITABLE FOR REUSE. PROVIDE NEW AS NEEDED.
- 3 EMERGENCY EGRESS LIGHT SHALL BE CIRCUITED TO UNSWITCHED LEG OF LOCAL LIGHT CIRCUIT.
- 4 INTERLOCK EXHAUST FAN WITH LIGHT SWITCH.
- 5 J-BOXES ABOVE THE DROP CEILINGS OF THE HALLWAY-ADJACENT ROOMS FOR THE LED LIGHT STRIPS ON BOTH SIDES OF THE HALLWAY. LOCATION SHOWN IS DIAGRAMMATIC FOR CLARITY. PLACE ONE AT 16' DOWN THE HALLWAY (BOTH SIDES), AND ANOTHER AT 33' DOWN THE HALLWAY WHERE HALLWAY IS GREATER THAN 32' LONG AT THE END (BOTH SIDES). COORDINATE EXACT QUANTITY AND LOCATION OF J-BOXES WITH OWNER IN FIELD.
- 6 INSTALL RECESSED OUTLET AT +60" AFF FOR MIRROR POWER. SWITCH AS SHOWN.
- 7 INSTALL RECESSED OUTLET AT +36" AFF FOR MIRROR POWER, BEHIND THE MIRROR WITHIN THE BLOCKING. SWITCH AS SHOWN.
- 8 INSTALL A RECESSED OUTLET AT 54" AFF FOR THE RESTROOM MIRROR, OPERATED BY THE SAME SWITCH AS THE OVERHEAD LIGHT.
- 9 DASHED LINE INDICATES DAY LIGHTING ZONE PER ENERGY CODE. PROVIDE CEILING-MOUNTED DAYLIGHT SENSOR, WHERE REQUIRED BY A.H.J., TO CONTROL LIGHTS WITHIN DAYLIGHT ZONE. PROVIDE LOW VOLTAGE CONTROL WIRE AND LINE VOLTAGE POWER WIRE AS-NEEDED.
- 10 PROVIDE DAYLIGHT SENSOR PER SENSOR AND DEVICE SCHEDULE, THIS SHEET.
- 11 COMMON AREA LIGHT SHALL BE SWITCHED THROUGH TIME CLOCK (OVERRIDE), PER SHEET E3.0. LOCATE TIME CLOCK ADJACENT TO ELECTRICAL PANELS. PROVIDE CONTACTOR AS NEEDED, MINIMUM 4 POLES.
- 12 CONTRACTOR SHALL FIELD VERIFY THE EXISTENCE OF EXTERIOR EMERGENCY EGRESS LIGHTING. IF FOUND TO EXIST DO NOT PROVIDE NEW FIXTURES. BASE BID SHALL ASSUME EXISTING DOORS HAVE COMPLIANT LIGHTS.
- 13 PROVIDE A J-BOX FOR THE ILLUMINATED BEEM SIGN ABOVE THE CEILING OF THE ROOM BEHIND THE MIRROR. PROVIDE ACCESS PANEL IN HARD-LID CEILING AS NEEDED. COORDINATE WITH ARCHITECT.

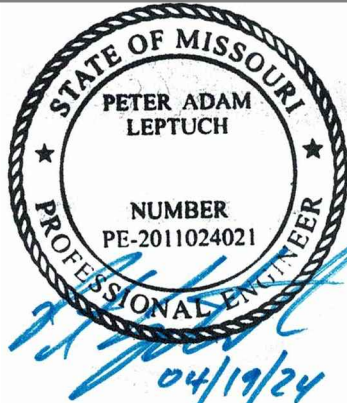


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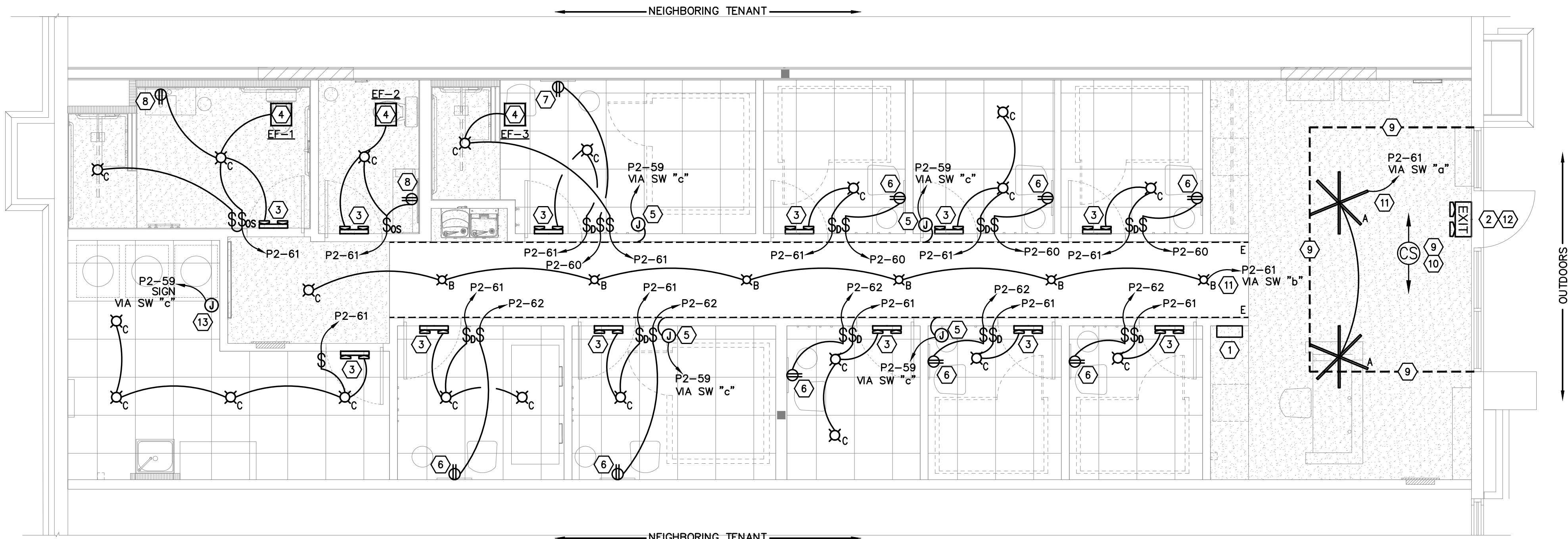
beem Light Sauna
2070 NW Lowenstein Dr., Suite B
Lee's Summit, MO 64081
Permit Set

REVISIONS
No. DATE NOTE

Drawn by: ----
Checked by: ----
Project No: ----
Date: April 19, 2024

LIGHTING PLAN

Sheet:
E2.0



01 LIGHTING PLAN
SCALE: 1/4"=1'-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)								PHASE								LOAD (KVA)								DESCRIPTION	TRIP	POLE	CKT #
				LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C								
1	20/1	(EX.)	HVAC REC.		0.4																				(EX.) RTU-4	40/3	2				
3	50/3		W.H. (9KW ELEC TANK)									2.3														-	4				
5	-		-									4.5														-	6				
7	-		-									2.3														(EX.) RTU-6	35/3	8			
9	15/2		SAUNA (1) (ADA-SOCIAL)									1.7														-	10				
11	-		-									1.7														-	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													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	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																											
KITCHEN (KVA):				0.0																											
MISCELLANEOUS (KVA):				69.9																			AMPACITY REQUIRED:				276.7				
NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.																															

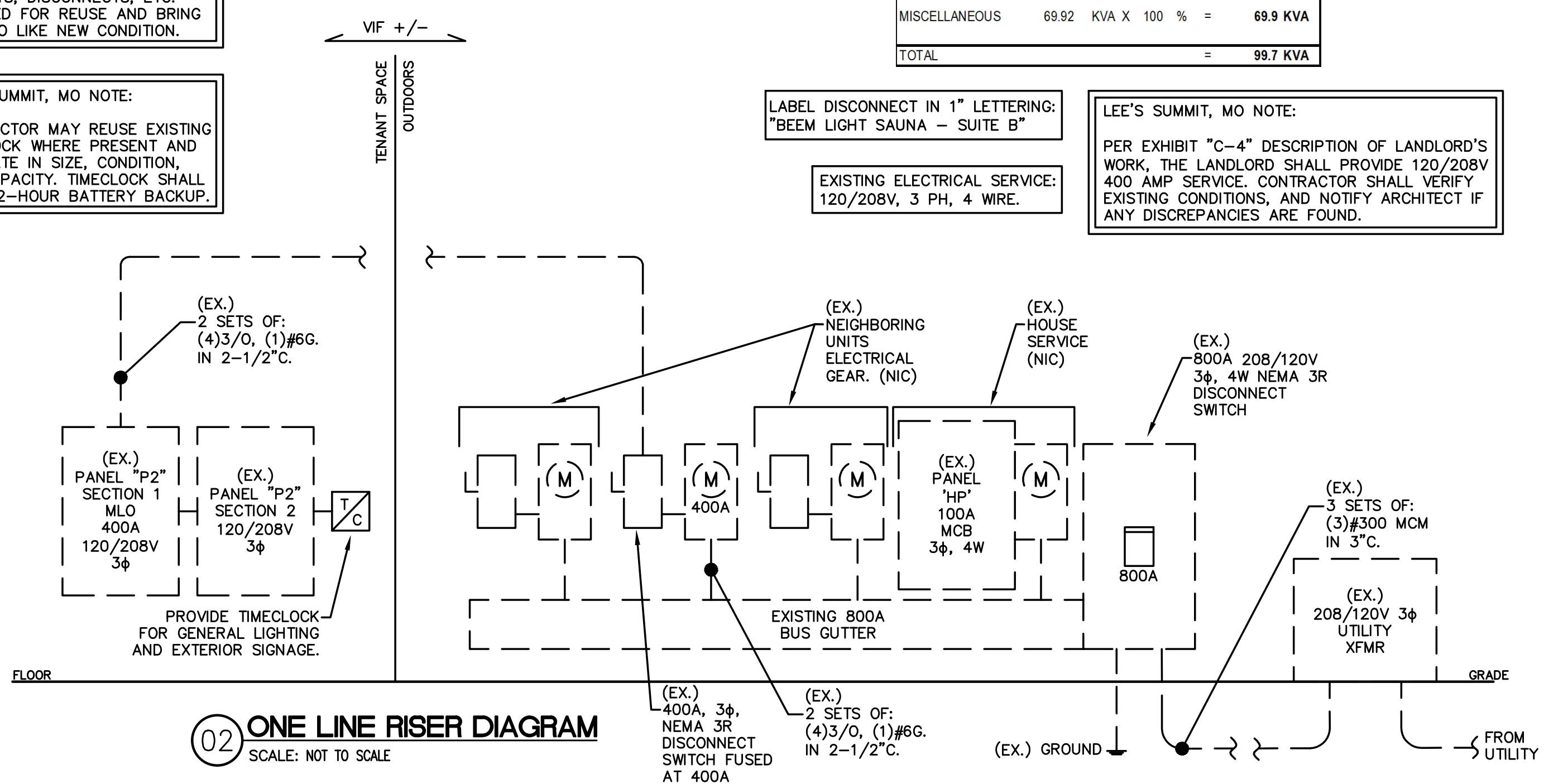
- *BALANCE ALL PANELS TO WITHIN 10%
- **PANEL DIRECTORIES TO BE TYPE LABELED.
- ***ALL CLOTHES WASHER AND DRYER BREAKERS SHALL BE GFCI-TYPE.

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		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

ROOF-TOP UNIT SCHEDULE

MARK	MANUFACTURER/ MODEL	NOMINAL TONS	CFM	O/A CFM	E.S.P. (IN. W.C.)	EER2	COOLING CAP. (MBH)			GAS HEAT INPUT (MBH)	ELECTRICAL (VOLTS/PH/HZ)	UNIT MCA	UNIT MOCP	UNIT WEIGHT (LBS)	MFG DATE (EX. UNITS)	NOTES
							TOTAL	SENSIBLE	DRY BULB/ WET BULB °F							
RTU-4 (EX.)	TRANE/ YSC060	5.0	2,000	175	0.8"	11.0/13.4	60.0	45.0	80/67	80.0	208/3/60	29.0	40.0	~800	2024	1,2,3,13
RTU-6 (EX.)	TRANE/ YSC048	4.0	1,600	125	0.8"	11.0/13.4	48.0	36.0	80/67	80.0	208/3/60	26.0	35.0	~800	2024	1,2,3,13

- NOTES:
- LABEL EACH RTU AND EXHAUST FAN WITH "beem LIGHT SAUNA" AND SUITE NUMBER.
 - COOLING CAPACITY IS BASED ON 80°F EDB AND 67°F EWB CONDITIONS.
 - PROVIDE PROGRAMMABLE ROOM THERMOSTAT, HONEYWELL VISION PRO 8000 WIFI, OR EQUAL.
 - PROVIDE UNWIRED CONVENIENCE OUTLET (ELECTRICIAN SHALL FIELD WIRE TO 208V PANEL) AND 14" ROOF CURB.
 - VERIFY VOLTAGE AVAILABLE ON SITE PRIOR TO ORDERING NEW UNITS. OBTAIN STRUCTURAL APPROVAL PRIOR TO PLACING UNIT.
 - UNIT PROVIDED WITH DUAL COMPRESSORS/2-STAGE COOLING.
 - PROVIDE FACTORY ELECTROFIN OR EQUAL ANTI-CORROSION COATING ON OUTDOOR COILS.
 - WEIGHTS INCLUDE ACCESSORIES.
 - ORDER WITH ACCESSORIES INCLUDING: CURB, ECONOMIZER, HAIL GUARD, 2-POSITION DAMPER, DUAL ENTHALPY SENSORS, DUCT SMOKE DETECTORS, REMOTE ANNUNCIATORS, ETC.
 - MCA BASED ON MEDIUM STATIC FAN.
 - LANDLORD TO FULLY SERVICE AND WARRANTY FOR ONE(1) YEAR.
 - PROVIDE WITH POWERED EXHAUST AND HOT GAS REHEAT (DEHUMIDIFICATION.)
 - BRING EXISTING UNIT TO LIKE NEW OPERATING AND PERFORMANCE CONDITIONS. COMB OUT FINS, CHANGE BELTS, BRING TO FACTORY SPEC REFRIGERANT LEVELS, ETC.

CONTRACTOR NOTES:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ARCHITECT, LANDLORD OR TENANT OF ANY DISCREPANCIES ENCOUNTERED ON THE PLANS OR IN EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.

BIDDERS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF WORK. THE BASE BID SHALL REFLECT MODIFICATIONS TO SYSTEMS AND DEVICES AS REQUIRED BY STATE AND LOCAL CODES WHETHER INDICATED OR NOT ON CONTRACT DOCUMENTS. THE SUBMISSIONS OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION AND COMPLIANCE WITH GOVERNING CODES / REQUIREMENTS HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN, HAD AN EXAMINATION AND CODE REVIEW BEEN MADE, WILL NOT BE ALLOWED.

KEY NOTES BY SYMBOL 'B'

- EXISTING RTU TO REMAIN. LOCATION SHOWN IS DIAGRAMMATIC, BASED ON SHELL DRAWINGS DATED 02/19/2024. FIELD VERIFY AND ADJUST DUCT WORK AS NEEDED.
- ROUTE 4" RIGID METAL DRYER DUCT, FROM DRYER WALL BOX TO ROOF. TERMINATE WITH MANUFACTURER'S COMMERCIAL GRADE DRYER PORT/CAP/GOOSENECK WITH BACK DRAFT DAMPER. MAINTAIN 10'-0" AWAY FROM ALL BUILDING OPENINGS. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
- CEILING MOUNTED EXHAUST FAN. ROUTE 6" EXHAUST DUCT TO COMBINED 10" EXHAUST DUCT.
- DUCT SMOKE DETECTOR IN RETURN AIR DUCT. INSPECT AND TEST EXISTING DETECTOR WHERE PRESENT PRIOR TO REUSE. PROVIDE NEW IF ONE IS NOT PRESENT.
- 22X10 TRANSFER AIR DUCT FROM LAY IN CEILING GRILLE TO GYP CEILING GRILLE IN HALL WAY.
- 18X16 CLOTHES DRYER MAKE-UP AIR DUCT, FROM ROOF MOUNTED GRAVITY INTAKE HOOD, ROUTED OVER TO UTILITY ROOM. INSTALL FILTER FRAME CEILING GRILLE AND MOTORIZED DAMPER, AS SHOWN.
- PROVIDE MOTORIZED DAMPER ON DRYER MAKEUP AIR DUCT INTERLOCKED WITH DRYERS. DAMPER SHALL BE PROGRAMMED TO OPEN ANY TIME (2) OR MORE DRYERS ARE IN OPERATION. PROVIDE RELAYS, CONTACTORS, CONTROLLER, AND PRESSURE SWITCH AS NEEDED.
- UNDERCUT DOOR BY 1.5 INCHES TO ALLOW AIR FROM TO ROOM TO TRANSFER INTO HALL.
- PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT, HONEYWELL VISION PRO 8000 WITH REMOTE SENSOR (WHERE NECESSARY), AND AUTO CHANGEOVER AND RELATED WIRING TO CONTROL EACH UNIT. MOUNT T-STAT AT 48" AFF, SENSOR AT 96" AFF (AS APPLICABLE).

HVAC SUMMARY:

1435 SQ FT.
9.0 TONS
159.4 SF/TON

FINAL PLACEMENT OF THERMOSTAT TO BE SELECTED BY CONSTRUCTION MANAGER OR OWNER'S REPRESENTATIVE AND MAY NEED TO BE MODIFIED DUE TO FIELD CONDITIONS.

LEE'S SUMMIT, MO NOTE:

ALL MECHANICAL WORK SHALL BE IN COMPLIANCE WITH 2018 INTERNATIONAL BUILDING CODE, 2018 INTERNATIONAL MECHANICAL CODE, AND 2018 INTERNATIONAL ENERGY CONSERVATION CODE.

LEE'S SUMMIT, MO NOTE:

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

AIR DEVICE SCHEDULE

SYMBOL	TAG	MANUF.	CATALOG #	FIXTURE DESCRIPTION	NECK SIZE	REMARKS
⊠	A	TITUS	TDC-AA	12x12 SUPPLY GRILLE	SEE PLAN	ALUMINUM, BORDER TYPE 3 IN LAY IN CEILING WITH MANUAL VOLUME DAMPER IN NECK.
⊠	B	TITUS	TDC-AA	12x12 SUPPLY GRILLE	SEE PLAN	ALUMINUM, BORDER TYPE 1 IN GYP. BOARD CEILING WITH MANUAL VOLUME DAMPER IN NECK.
⊠	C	TITUS	TDC-AA	15x15 SUPPLY GRILLE	SEE PLAN	ALUMINUM, BORDER TYPE 1 IN GYP. BOARD CEILING WITH MANUAL VOLUME DAMPER IN NECK.
⊠	D	TITUS	350FL	24x12 RETURN GRILLE	22X10	ALUMINUM LOUVERED FACE, SIDEWALL BORDER TYPE.
⊠	E	TITUS	350FL	24x24 RETURN GRILLE	22X22	ALUMINUM LOUVERED FACE, BORDER TYPE 1 IN GYP. BOARD CEILING.
⊠	F	TITUS	PAR	24x24 RETURN GRILLE	22X22	ALUMINUM EGG CRATE, HINGED, FILTER FRAME, BORDER TYPE 3 IN LAY-IN. CLG. PROVIDE WITH 1" THROW AWAY FILTER.

- NOTE:
- ALL GRILLES IN GYP BOARD CEILING SHALL BE ORDERED WITH INTEGRAL BALANCING DAMPERS.
 - PROVIDE RECTANGULAR TO ROUND ADAPTERS WHEREVER NECESSARY.
 - NOT ALL DEVICES USED ON ALL JOBS.
 - TRANSITION NECK SIZE ON SUPPLY AND RETURN AS NEEDED TO ENSURE SAME SIZE (WITHIN 2") SUPPLY AND RETURN REGISTERS FOR UNIFORM APPEARANCE.

EXHAUST FAN SCHEDULE - NEW

MARK	MANUFACTURER	MODEL	DRIVE	AIRFLOW (CFM)	EXT. SP (IN W.C.)	V, PH, HZ	MOTOR SIZE (HP)	SERVICE	APPROX. WEIGHT	INSTALL LOCATION	NOTES
EF-1	GREENHECK	SP-A90	DIRECT	70	0.20"	115/1/60	11 WATTS	RESTROOM	13 LBS	CEILING	1,2
EF-2	GREENHECK	SP-A90	DIRECT	70	0.20"	115/1/60	11 WATTS	RESTROOM	13 LBS	CEILING	1,2
EF-3	GREENHECK	SP-A90	DIRECT	70	0.20"	115/1/60	11 WATTS	RESTROOM	13 LBS	CEILING	1,2

- NOTES:
- CONTROL TO BE INTERLOCKED WITH OCCUPANCY SENSOR. PROVIDE WITH 15-MINUTE TIME OUT AFTER LAST OCCUPANT IS SENSED.
 - PROVIDE WITH BACKDRAFT DAMPER.

MANDATORY TEST AND BALANCE REPORT BY LICENSED 3RD PARTY TO BE PROVIDED TO OWNER AND ARCHITECT UPON COMPLETION OF HVAC WORK. REPORT SHALL INCLUDE EXHAUST AND FRESH AIR QUANTITIES. PAYMENT TO G.C. AND MECHANICAL CONTRACTOR MAY BE WITHHELD UNTIL COMPLETE REPORT IS PROVIDED, AND PROPER BUILDING PRESSURIZATION IS ACHIEVED. PROVIDE COPY TO LANDLORD.

HVAC DUCT DROP LOCATIONS, MIXING BOX CONFIGURATIONS (ON FAN POWERED BOX / VAV SYSTEMS), RETURN AIR CONFIGURATIONS, ETC. WILL VARY DEPENDING ON FIELD CONDITIONS, JOISTS, BEAMS, SPRINKLER PIPING, ETC. IT IS EXPECTED THAT THE MECHANICAL CONTRACTOR WILL MAKE MINOR ADJUSTMENTS TO BEST SUIT FIELD CONDITIONS.

BEEH LIGHT SAUNA PROTO NOTE:

THIS IS A SHALLOW STRUCTURE BUILDING. HVAC RUNS ARE DIAGRAMMATIC. ADJUST AS NEEDED TO AVOID STRUCTURAL ELEMENTS, SPRINKLER PIPING ETC. ROUTE RUNOUTS THROUGH WEBBING AS NEEDED. VISIT SITE AND/OR PROVIDE ALLOWANCE IN BID TO ADJUST TO FIELD CONDITIONS.

MECHANICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
⊠	THERMOSTAT @ 48" AFF
⊠	DUCT MOUNTED SMOKE DETECTOR
⊠	REMOTE ROOM TEMPERATURE SENSOR AT 96" AFF
—	VOLUME DAMPER
⊠	MOTORIZED DAMPER WITH ACTUATOR
⊠	BAROMETRIC FLAP DAMPER
RTU	ROOF TOP UNIT
HP	HEAT PUMP UNIT
EF	EXHAUST FAN

AIR BALANCE SCHEDULE

UNIT	SUPPLY AIR	RETURN AIR	OUTSIDE AIR	EXHAUST	PRESSURE	AREA SERVED
RTU-4	2,000	1,825	175	--	+175	LEASE SPACE
RTU-6	1,600	1,475	125	--	+125	LEASE SPACE
EF-1	--	--	--	70	-70	RESTROOM
EF-2	--	--	--	70	-70	RESTROOM
EF-3	--	--	--	70	-70	SHOWER
DRYERS	--	--	--	880	-880	DRYER
DRYER MAKE UP	--	--	--	880	+880	DRYER MAKE-UP AIR
TOTAL	3,600	3,300	1,180	1,090	+90	--

AIR DEVICE NECK CHART

8" - 0 TO 180 CFM
10" - 185 TO 350 CFM
12" - 355 TO 550 CFM
14" - 555 TO 850 CFM
16" - 855 TO 1350 CFM
18" - 1360 TO 1750 CFM

**USE ABOVE SIZES UNLESS A LARGER SIZE IS INDICATED.

DRYER VENT CALCULATION

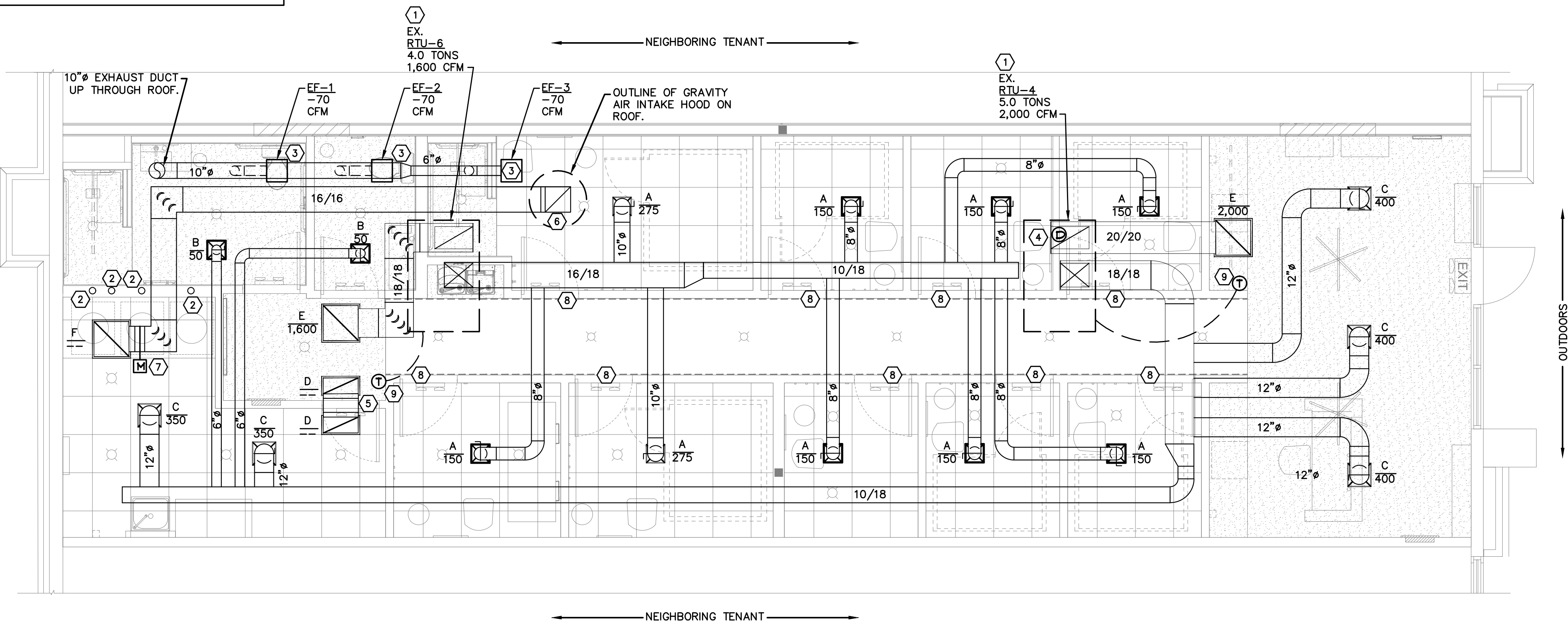
0'-0"	HORIZONTAL LENGTH
20'-0"	VERTICAL LENGTH
0	45 DEGREE ELBOWS (2.5')
0	90 DEGREE ELBOWS (5')
20'-0"	TOTAL DEVELOPED DUCT LENGTH

SAMPLE DRYER PLACARD

WARNING
CHECK THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ANY DOMESTIC DRYER THAT WILL BE INSTALLED AT THIS LOCATION. THE INSTALLATION INSTRUCTION MUST ALLOW THE DRYER TO BE CONNECTED TO AN EXHAUST DUCT (VENT) THAT IS FEET.

*DRYER DUCT SHALL BE INSULATED. DO NOT INSTALL INSULATED DUCTING UPSTREAM OF DRYER EXHAUST DUCT POWER VENTILATOR (WHERE APPLICABLE).

*PROVIDE UL705 LISTED DRYER EXHAUST DUCT POWER VENTILATOR EQUAL TO THERMIND L92. THERE SHALL BE NO DUCT SEAMS BETWEEN POWER VENTILATOR AND DISCHARGE POINT (DRYER ROOF VENT CAP/WALL PORT). INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
180' POWER VENTILATOR CAPACITY
34' DRYER CAPACITY
185' TOTAL INSTALLED SYSTEM CAPACITY PROVIDED.

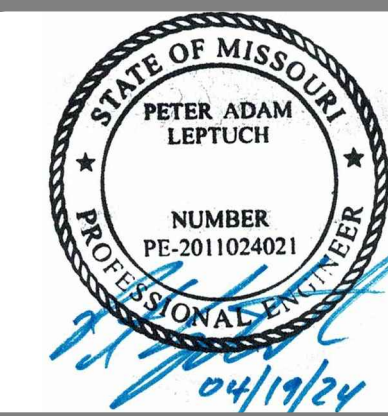


01 MECHANICAL PLAN
SCALE: 1/4"=1'-0"



BLUESTONE PARTNERS, LLC

4708 N. FM. 1417
Sherman, Texas 75092
903.813.1415
www.bluestonebuild.com



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

REVISIONS

No.	DATE	NOTE

Drawn by: ----
Checked by: ----
Project No: ----
Date: April 19, 2024

MECHANICAL PLAN

Sheet:
M1.0

HVAC Load Calculation - Office Space

2024-04-03

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, O.A. = 1.08 * cfm * delta T

H_sensible, walls = A*u*dT

H_sensible, floor = A*u*dT

H_sensible, roof = A*u*dT

H_sensible, window conductance = A_glass*U*dT

H_sensible_OA = -20088 (dT = 57F)

H_sensible_OA = -6696 (dT = 57F)

H_sens_wall = -2356 (dT = 57F)

H_sens_floor = 4305 (dT = 3F)

H_sens_roof = 0 (dT = 57F)

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

2024-04-03

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, lighting = watts * 3.413

H_sensible, people = 250 * # people

H_sensible, equipment = watts * 3.413

H_sensible, walls = A*u*dT

H_sensible, floor = A*u*dT

H_sensible, roof = A*u*dT

H_sensible, window conductance = A_glass*U*dT

H_sensible, window transmittance = A_glass*SHGC*Et

H_sensible_OA = 7776 dT = 24

H_sens_ltg= 4897.655

H_sens ppl = 3770

H_sens_epmt = 40300

H_sens_wall = 1520.0 (dT = 40F)

H_sens_floor = 1435 (dT = 1F)

H_sens_roof = 1888.1579 (dT=50F)

H_sens_glass = 1930.5

H_sens_solar gain = 7239.375

H_latent, O.A. = 0.68 * q*delta w_grains

H_latent, O.A. = 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)

beem

2024-04-03

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	Table 403.3.1.1 outdoor Area	Expected Occupant Density (#/1000 sf)	Zone Population (# persons)	Breathing Zone Outdoor Air Flow (CFM)	From Table 403.3.1.1.2 Zone Air Distribution Effectiveness (E_z)	Zone Outdoor Air Flow (CFM)	Factor: Zp= V_oo/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 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						191.9	300	3000

V_oo = R_o * P_z + R_o * A_z

V_ps = Total airflow provided by the HVAC equipment (Outdoor + Recirculated).

V_oo = V_oo / E_z

Z_p = V_oo / 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.

01 HVAC DUCTWORK DETAIL

SCALE: NOT TO SCALE

02 DRYER VENT BOX DETAIL

SCALE: NOT TO SCALE

03 DRYER VENT BOX DETAIL

SCALE: NOT TO SCALE

04 ROOF-TOP UNIT DETAIL (TYPICAL)

SCALE: NOT TO SCALE

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.

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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.

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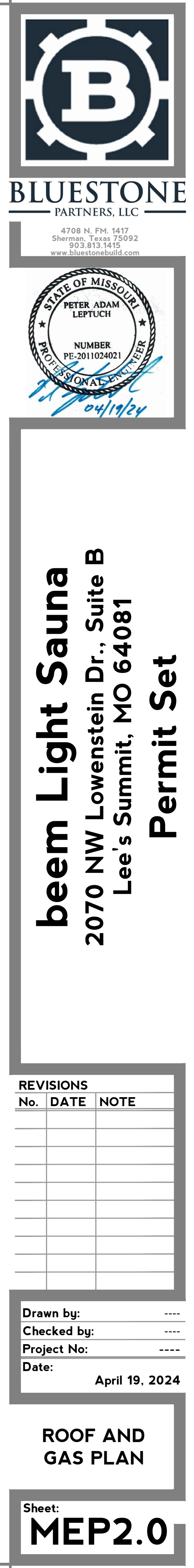
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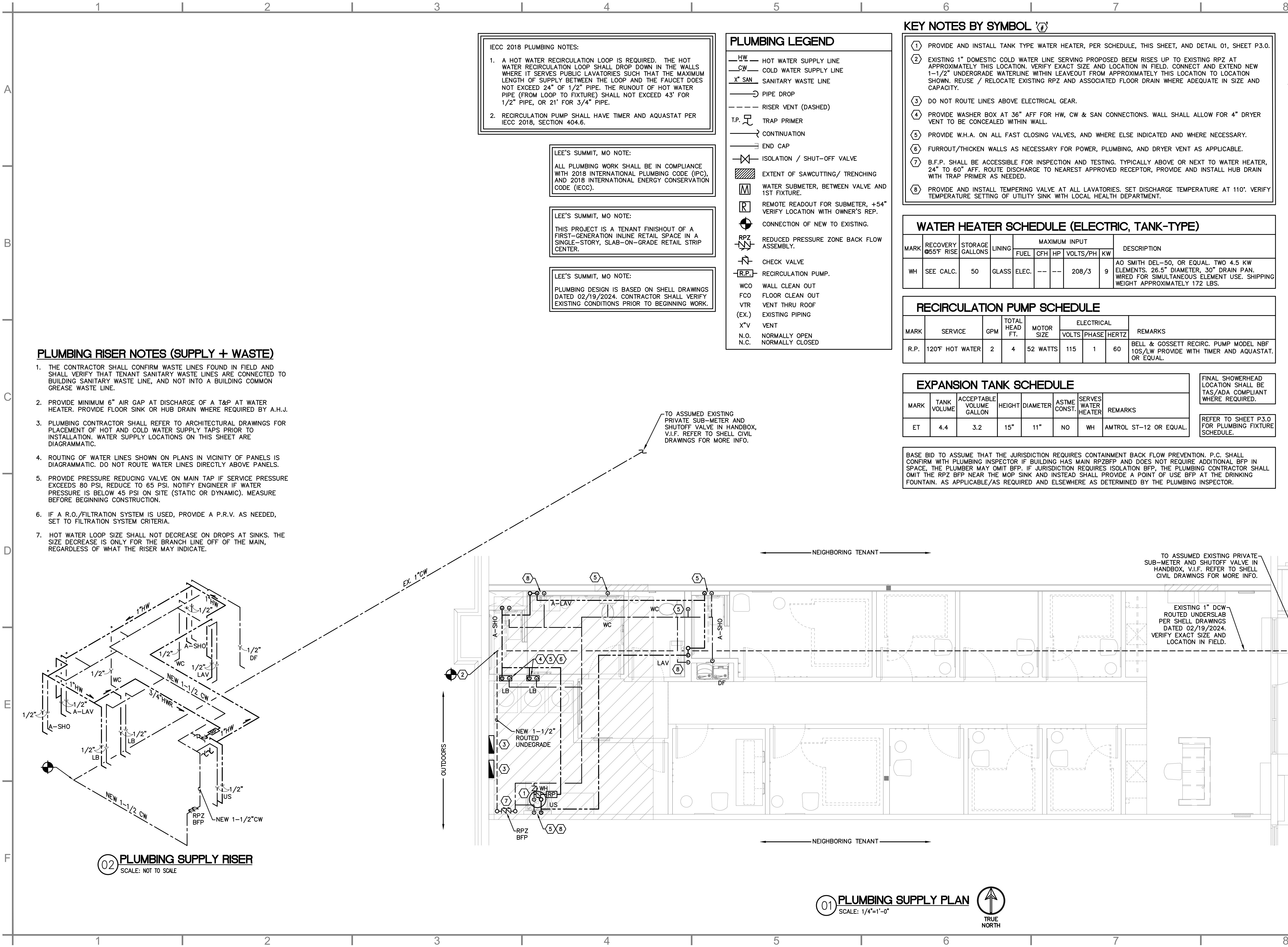
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IECC 2018 PLUMBING NOTES:

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
 - 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
- PROVIDE AND INSTALL TANK TYPE WATER HEATER, PER SCHEDULE, THIS SHEET, AND DETAIL 01, SHEET P3.0.
 - 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.
 - DO NOT ROUTE LINES ABOVE ELECTRICAL GEAR.
 - PROVIDE WASHER BOX AT 36" AFF FOR HW, CW & SAN CONNECTIONS. WALL SHALL ALLOW FOR 4" DRYER VENT TO BE CONCEALED WITHIN WALL.
 - PROVIDE W.H.A. ON ALL FAST CLOSING VALVES, AND WHERE ELSE INDICATED AND WHERE NECESSARY.
 - FURROUT/THICKEN WALLS AS NECESSARY FOR POWER, PLUMBING, AND DRYER VENT AS APPLICABLE.
 - 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.
 - 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 65°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.

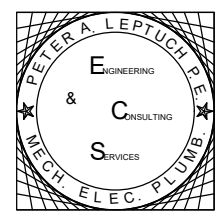
EXPANSION TANK SCHEDULE

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.

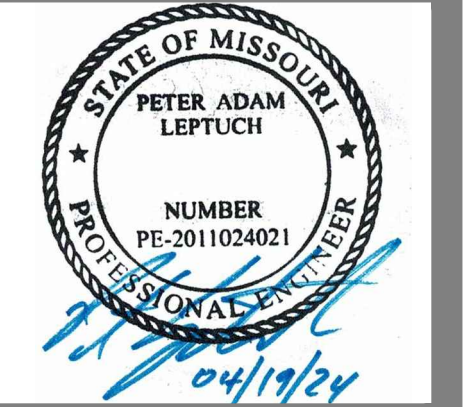


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beem Light Sauna
2070 NW Lowenstein Dr., Suite B
Lee's Summit, MO 64081
Permit Set

REVISIONS

No.	DATE	NOTE

Drawn by: ----
Checked by: ----
Project No: ----
Date: April 19, 2024

PLUMBING
SUPPLY
PLAN

Sheet:
P1.0

1 2 3 4 5 6 7 8

A

B

C

D

E

F

D

E

F

F

F

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.

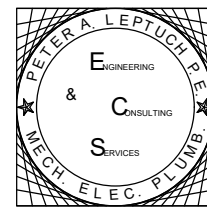
C. GAS PIPING

- 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.

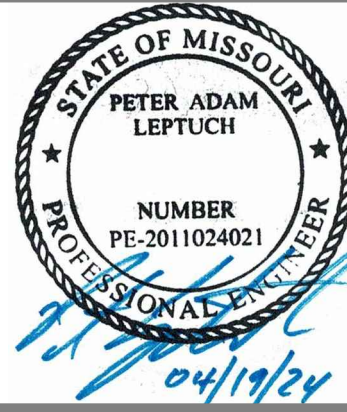


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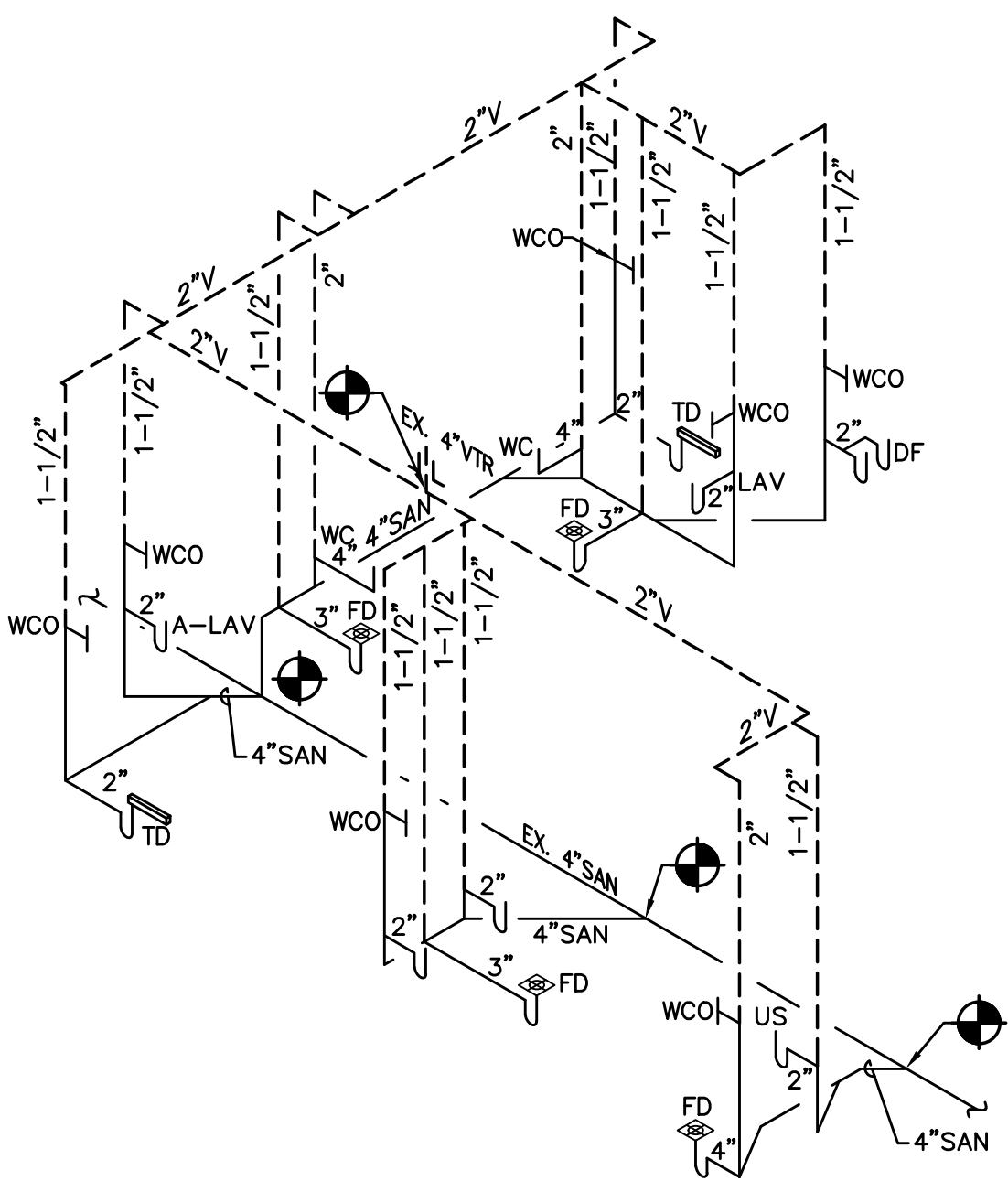
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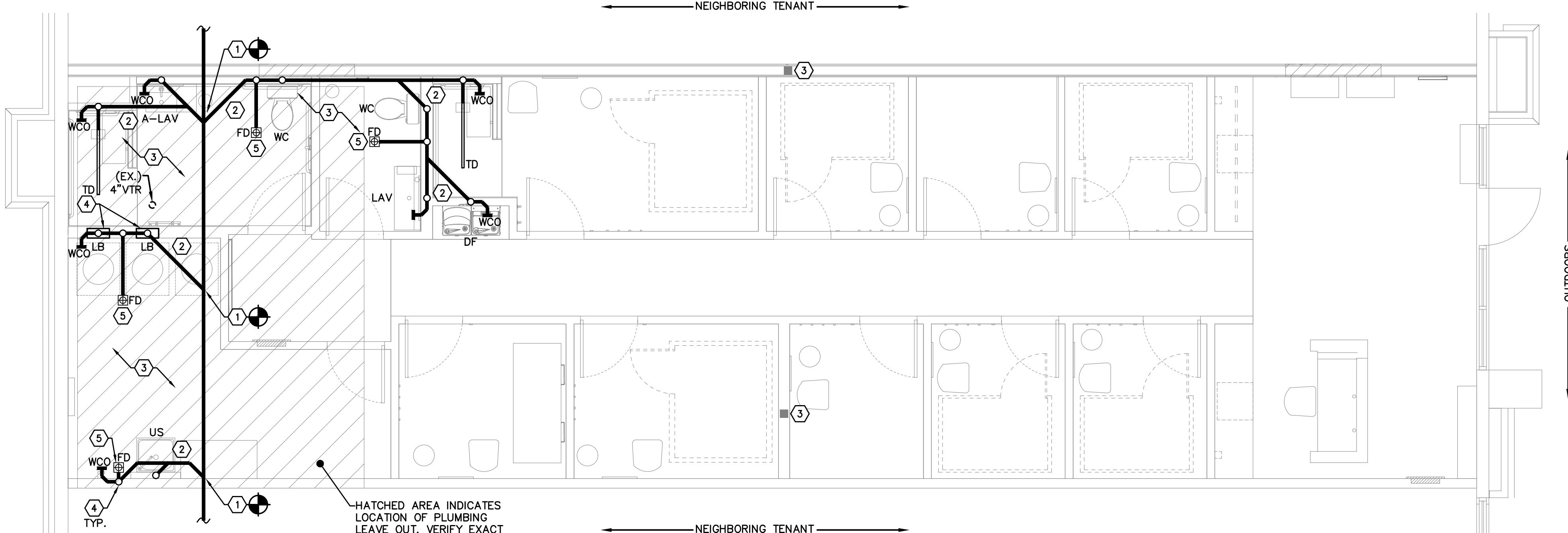
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Project No: ----
Date: April 19, 2024

PLUMBING
WASTE PLAN

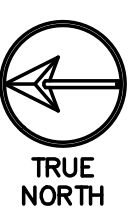
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02 PLUMBING WASTE RISER
SCALE: NOT TO SCALE



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		

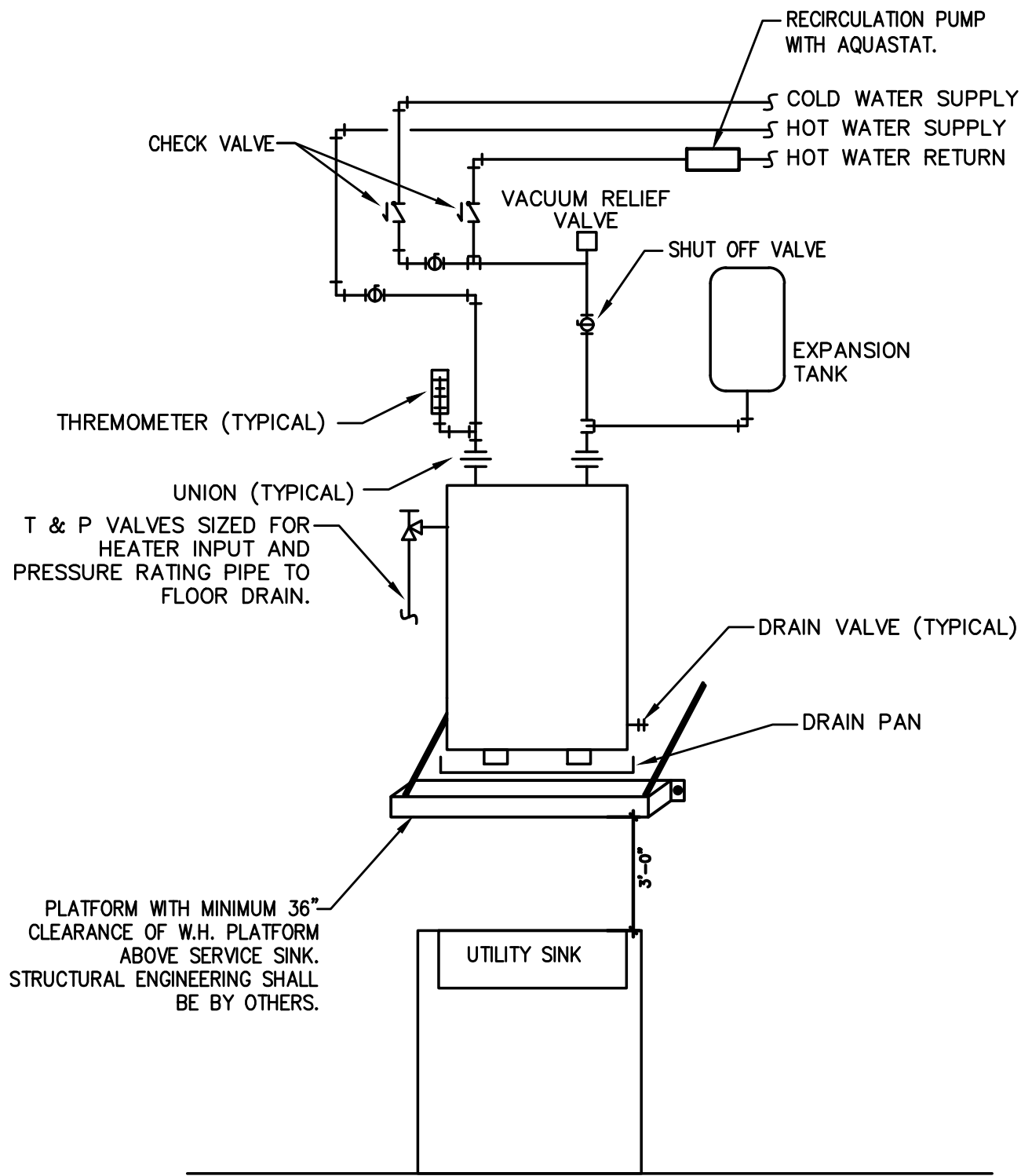
Recovery Calc (For Tank Type Water Heater)	
Temperature Set Point =	110 °F
Incoming Water Temp =	51.1 °F
ΔT =	58.9 °F
1 Gallon water =	8.34 LBS
BTUH = GPH*8.34*ΔT	28,785.84 BTUH
KW = BTUH/3412.142	8.44 kW Required

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.						

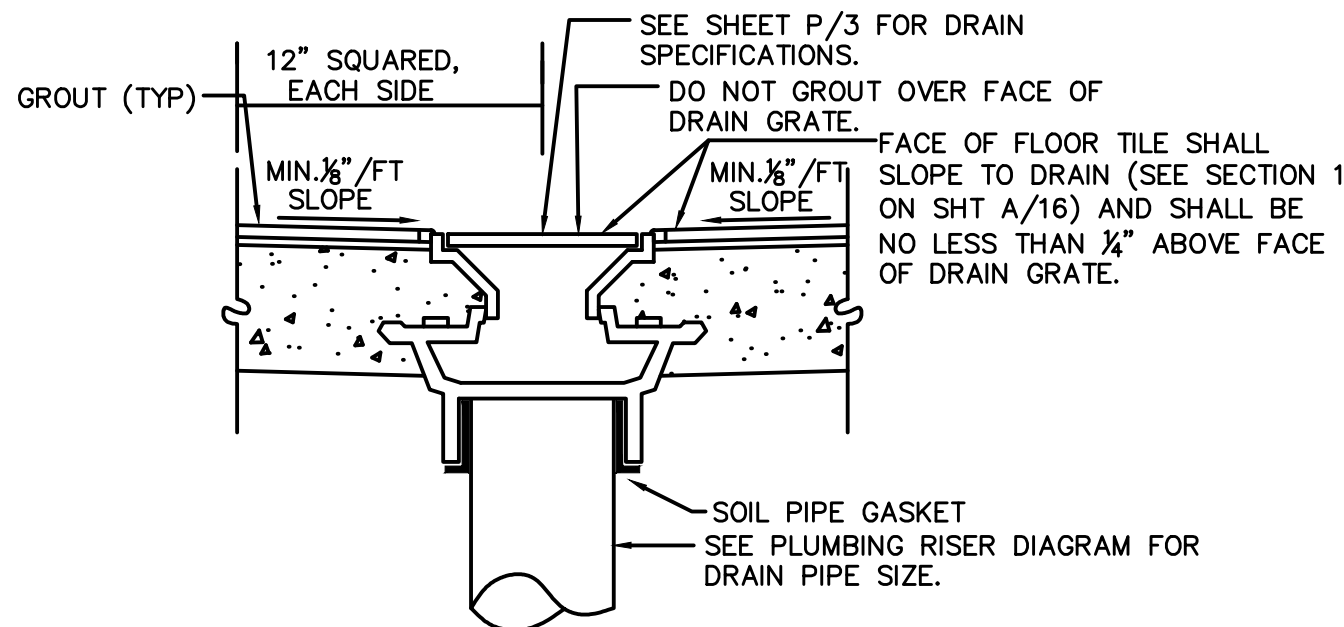
PUBLIC		Load Values, in WSFU			Total WSFU
Fixture	Qty	Cold	Hot	Total	
Drinking Fountain	1	0.25	-	0.25	0.25
Lavatory	2	1.50	1.50	2.00	4.00
Service Sink	1	2.25	2.25	3.00	3.00
Shower Head	2	3.00	3.00	4.00	8.00
Washing Machine (15 lb)	2	3.00	3.00	4.00	8.00
Water Closet (Flush Tank)	2	5.00	-	5.00	10.00
*Values 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.

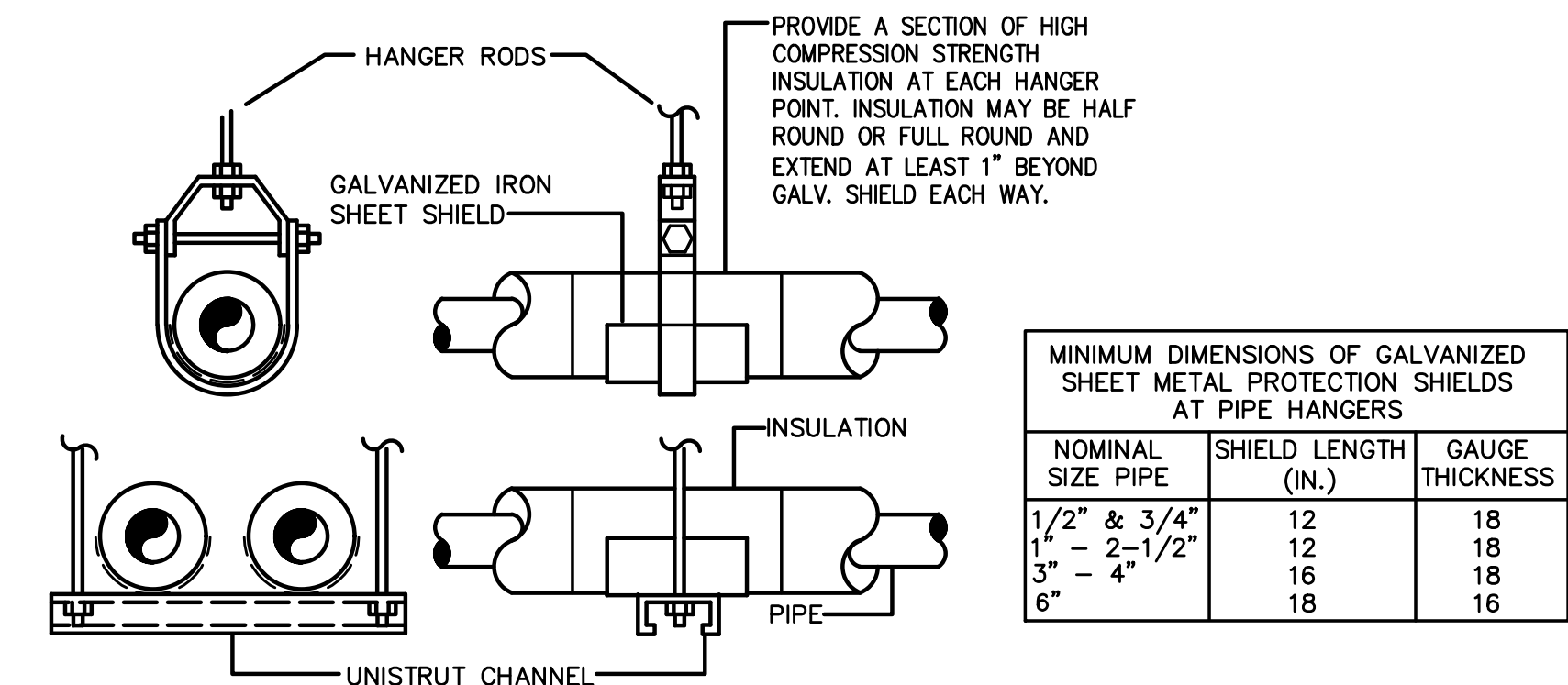
**PER IPC, "FOR FIXTURES NOT LISTED, LOADS SHOULD BE ASSUMED BY COMPARING THE FIXTURE TO ONE LISTED USING WATER IN SIMILAR QUANTITIES AND AT SIMILAR RATES."



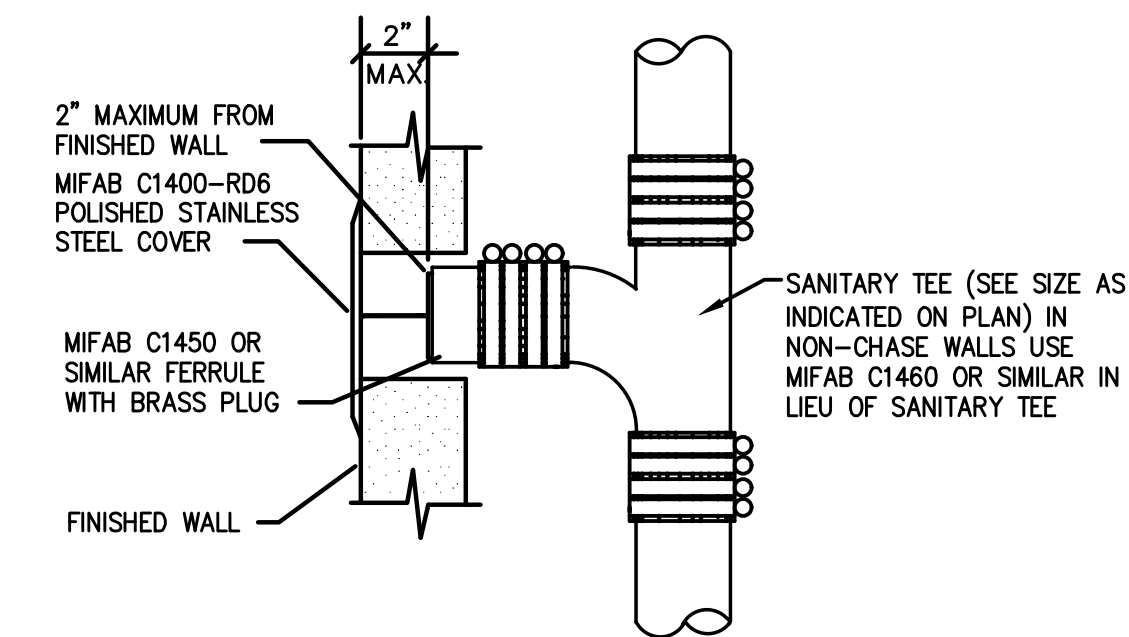
01 TANK-TYPE ELECTRIC WATER HEATER DETAIL
SCALE: NOT TO SCALE



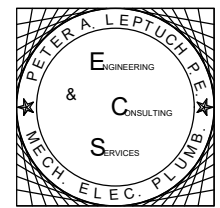
02 FLOOR DRAIN DETAIL
SCALE: NOT TO SCALE



03 HANGER FOR INSULATED PIPING
SCALE: NOT TO SCALE



04 WALL CLEAN OUT DETAIL
SCALE: NOT TO SCALE

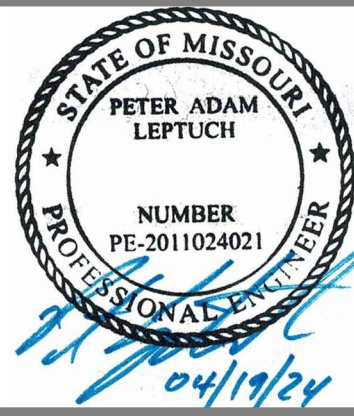


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REVISIONS		
No.	DATE	NOTE

Drawn by: ----
Checked by: ----
Project No: ----
Date: April 19, 2024

PLUMBING
SCHEDULES
& DETAILS

Sheet:
P3.0