- 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 TENANT'S 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
- 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
- SUSPEND ALL STRUCTURAL ITEMS, WALLS AND WALL FURRDOWNS, 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.
- 16. 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.
- 17. 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.
- 18. 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.
- 19. G.C. SHALL PROVIDE TO THE FRANCHISEE AS-BUILT DRAWINGS FOR THE PLUMBING SYSTEM INCLUDING ANY AND ALL MODIFICATIONS TO THE DRAWINGS.
- 20. 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.
- 21. 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.
- 22. ALL PAINTED WOOD SHALL BE PAINT GRADE BIRCH OR COMPARABLE.
- 23. 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.
- 24. 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.
- 25. 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.

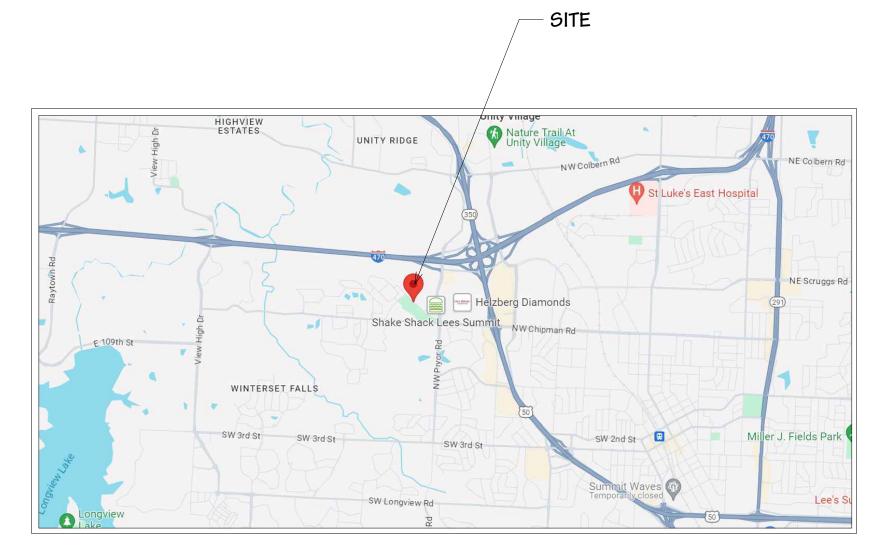


PROJECT SCOPE

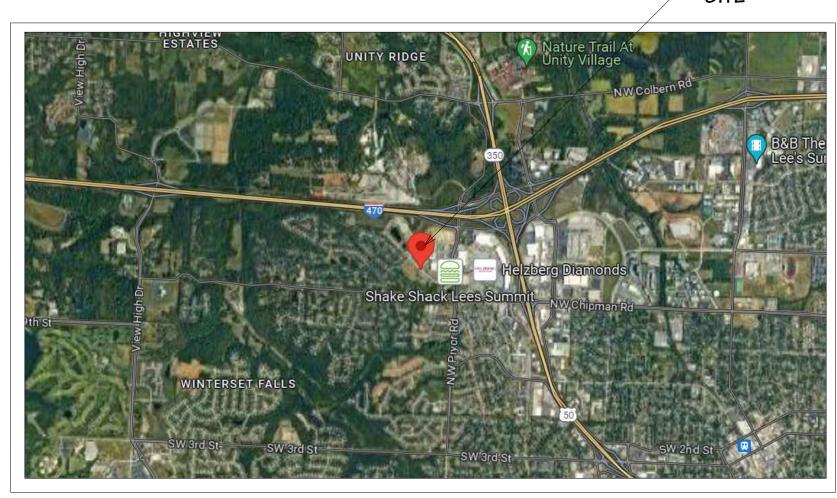
INTERIOR FINISH OUT FOR BEEM LIGHT SAUNA WITH SAUNA SUITES AND RESTROOMS

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

LANDLORD:

DREW LARKING - PROJECT MANAGER MONARCH ACQUISITIONS, LLC P.O. BOX 24302 OVERLAND PARK, KS 66283 C: 314-607-0738 0: 913-662-2630

EMAIL: DREWLARKINS@MONARCHPROJECTLLC.COM

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CHRIS HENRY CHENRY@BEEMLIGHTSAUNA.COM **RETAIL CENTER:**

WEST PRYOR 2070 NW LOWENSTEIN DR, LEE'S SUMMIT. MO 64081

BLUESTONE PARTNERS, LLC

BUILDING DEPARTMENTS

PROJECT ARCHITECT:

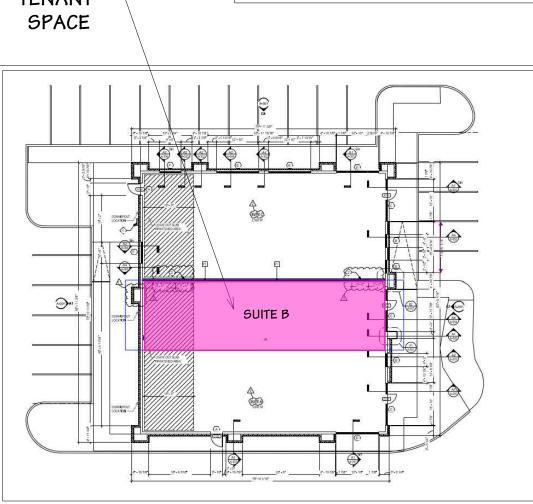
DRAKE HITCHCOCK 4708 N. FM 1417 SHERMAN, TX 75092 TEL: 903-813-1415 WWW.BLUESTONEBUILD.COM

DEVELOPMENT SERVICES 200 SE GREEN LEE'S SUMMIT, MO 64063 TEL: 816-969-1200 EMAIIL: DEVTECH@CITYOFLS.NET

PROJECT MEP:

DENTON MEP 300 N. CARROLL BLVD., SUITE 100 **DENTON, TX 76209** TEL: (940) 808-0615

HTTPS://WWW.DENTONMEP.COM TENANT -



TENANT MAP SCALE: N.T.S.

PROJECT DATA 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

GROSS FLOOR AREA: 1,549 S.F. CONSTRUCTION TYPE: II-B FULLY SPRINKLED SPRINKLED: YES FIRE ALARM: VIF (TBD) 1-HOUR PROTECTED: YES

BUSINESS USE GROUP "B"

NUMBER OF STORIES: 1 CALCULATED LOAD FOR BUILDING OCCUPANCY: 15

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G-003	General Notes
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G-005	ADA Details
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A-101	Plan - Existing
A-110	Plan - Floor
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A-114	Plan - Finish
A-115	Schedule
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A-501	Master Details
A-502	Master Details
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E1.0	Power Plan
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P1.0	Plumbing Supply Plan
P2.0	Plumbing Waste Plan
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OCCUPANO	CY CALCUL	ATION	5	
AREA	CLASSIFICATION	OCCUPANT LOAD (S.F./OCC.)	SQ. FT.	CALCULATE OCCUPANT
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
TOTA	L BUILDING OCCUP	ANTS		15

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 REMINDER EXCEEDING 80	1 PER 15

REQUIRED: 1 PER | PROVIDED: 1 DRINKING FOUNTAINS: PER 2018 IPC SECTION 403 REQUIRED: 1 SERVICE SINK: PROVIDED: 1

PLUMBING CALCULATIONS



4708 N. FM. 1417 Sherman, Texas 75092 903.813.1415

April 22, 2024

REVISIONS No. DATE NOTE

Drawn by:	
Checked by	:
Project No:	
Date:	April 22, 2024

Cover Sheet

G-001

1.2 "INSTALL" SHALL MEAN TO PHYSICALLY INSTALL THE ITEM, AND TO CONNECT ALL REQUIRED SERVICES TO MAKE THAT ITEM FULLY FUNCTIONAL.

1.3 A.F.F. SHALL MEAN "ABOVE FINISHED FLOOR".

1.4 UNLESS SPECIFICALLY NOTED OTHERWISE, ALL ITEMS SHALL BE FURNISHED AND INSTALLED BY THE G.C.

1.5 "T.G.C." SHALL MAN THE TENANT GENERAL CONTRACTOR.

1.6 THE TERM "OWNER" OR "FRANCHISEE" SHALL BE SYNONYMOUS.

2.0 INSURANCE

PER CONTRACTUAL AGREEMENT BETWEEN OWNER & GENERAL CONTRACTOR.

3.0 PROGRESS PAYMENTS

PER CONTRACTUAL AGREEMENT BETWEEN OWNER & GENERAL CONTRACTOR.

4.0 SUBCONTRACTOR APPROVAL

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 SUBMIT TO THE OWNER, PRIOR TO RECEIVING FINAL RETAINAGE, A LIST OF THE SUBCONTRACTORS WHO WERE EMPLOYED ON THE PROJECT. LIST SHALL INCLUDE COMPANY NAME, STATE LICENSE NUMBER, ADDRESS, PHONE NUMBER AND COPY OF SUBCONTRACTOR'S INSURANCE CERTIFICATE NAMING ALL AS AN ADDITIONAL INSURED.

5.0 COORDINATE OF TRADES

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

6.0 PROJECT COMPLETION AND VALIDATION

THE PROJECT SHALL BE COMPLETED WHEN THE FOLLOWING VALIDATION PROCESSES, JOBSITE CONDITIONS AND PAPERWORK ARE COMPLETED AND APPROVED BY OWNER AND/OR OWNER REPRESENTATIVE.

6.1 DEFICIENCIES: ANY DEFICIENCIES NOTED BY THE INSPECTOR (S) SHALL BE CORRECTED BY THE RESPONSIBLE PARTY IN A TIME:Y 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).

6.2 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 THI 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.

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.

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.

THE T.G.C. SHALL PROVIDE A WRITTEN GUARANTEE, EXTENDING FOR ONE (1) YEAR BEYOND DATE OF CERTIFICATE OF OCCUPANCY, WARRANTING THE PROJECT AGAINST DEFECTS IN MATERIALS AND REPAIR AND REPLACEMENTS. ALL GUARANTEES OR WARRANTIES SHALL INSURE TO THE BENEFIT OF THE OWNER.

8.0 PERMITS & LICENSES

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.

9.1 THE T.G.C. SHALL PAY FOR ALL TEMPORARY SERVICE AND UTILITIES FOR THE PROJECT.

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.

10.0 EXISTING CONDITIONS

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. 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

12.0 BUILDING AND ACCESSIBILITY CODES

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 SOLE RESPONSIBILITY TO IDENTIFY ALL APPLICABLE CODES FOR EACH SUB-TRADE AS WELL AS LOCAL AND NATIONAL ACCESSIBILITY CODES AND PERFORMING ALL WORK ACCORDINGLY.

13.0 PLAN DIMENSIONS

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.

14.0 PLAN REVIEW

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.

15.0 ENGINEERED SHOP DRAWINGS

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. 16.0 CHANGE ORDERS

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.

17.0 TENANT'S GENERAL CONTRACTOR RESPONSIBILITIES

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.

18.0 PRODUCT SUBSTITUTIONS

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.

19.0 LANDLORD REQUIREMENTS

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 IN THOSE MATTERS PRIOR TO ATTACHMENT OF SYSTEMS.

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.

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.

20.0 WEATHER PROTECTION

THE CONSTRUCTION SITE SHALL BE MAINTAINED IN A WEATHERPROOF CONDITION AT ALL TIMES. ANY WEATHER DAMAGE TO THE PROJECT WORK, BUILDING, CONSTRUCTION MATERIALS OR EQUIPMENT FROM WEATHER DURING THE CONSTRUCTION PROCESS SHALL BE THE SOLE RESPONSIBILITY OF THE T.G.C.

21.0 COORDINATION OF MATERIAL/EQUIPMENT DELIVERY

PER CONTRACTUAL AGREEMENT BETWEEN OWNER AND GENERAL CONTRACTOR.

22.0 RECEIPT OF MATERIAL/EQUIPMENT

IT IS THE T.G.C. RESPONSIBILITY TO RECEIVE AND SIGN FOR ALL MATERIAL/EQUIPMENT FOR THE PROJECT AND PROJECT TEAM MEMBERS. 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 BEE 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.

23.0 EQUIPMENT STORAGE

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 REDELIVERY 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.

24.0 DAMAGED MATERIALS/EQUIPMENT

24.1 DAMAGED UPON DELIVERY; UPON DELIVERY OF MATERIALS/EQUIPMENT, IT IS THE RESPONSIBILITY OF THE T.G.C. TO THOROUGHLY INSPECT ALL MATERIALS/EQUIPMENT PRIOR TO ACCEPTING DELIVERY. SHOULD THE T.G.C. FIND ANY DAMAGE TO THE MATERIALS/EQUIPMENT CAUSED DURING SHIPMENT, THE T.G.C. SHALL CONTACT OWNER IMMEDIATELY. UNDER NO CIRCUMSTANCES SHALL THE T.G.C. SURROGATE THIS RESPONSIBILITY TO ANY SUBCONTRACTOR AND/OR TEAM MEMBER.

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 T 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.

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15001 PLUMBING DIVISION 16 - ELECTRICAL

GENERAL CONDITIONS

THE CONTRACT DOCUMENTS ARE ALL THE DOCUMENTS REQUIRED FOR THE GENERAL CONTRACTOR TO SUCCESSFULLY COMPLETE THE WORK, AND INCLUDE NOT ONLY THE ARCHITECT'S DRAWINGS AND THE ARCHITECT'S SPECIFICATIONS BUT ALSO DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS NOT LISTED HERE, WHICH HAVE BEEN OR WILL BE PREPARED BY CONSULTANTS, MANUFACTURERS, SUPPLIERS, VENDORS AND OTHERS FOR THE OWNER.

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UNLESS SPECIFICALLY NOTED OTHERWISE ANY REFERENCE TO THE DRAWINGS OR SPECIFICATIONS SHALL MEAN THE DRAWINGS AND SPECIFICATIONS PREPARED BY THE ARCHITECT.

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.

A. WHERE NOT CLARIFIED BY THE AGREEMENT OR ADDENDA 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. B. AS BETWEEN DIMENSIONS SHOWN ON THE DRAWINGS AND SCALED MEASUREMENTS, THE DIMENSIONS

SHALL GOVERN. C. AS BETWEEN LARGE-SCALE DRAWINGS AND SMALL-SCALED DRAWINGS, THE LARGER SCALE SHALL D. MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MOST CURRENT

MANUFACTURER'S OR SUPPLIER'S REQUIREMENTS OR (2) THE ARCHITECT'S SPECIFICATIONS.

THE MATERIAL OR EQUIPMENT, EXCEPT WHERE SUCH DOCUMENTS CONFLICT WITH THE ARCHITECT'S SPECIFICATIONS: IN SUCH CASS THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE ARCHITECT'S INTERPRETATION AS REQUIRED BY EITHER (1) THE

PRINTED OR PUBLISHED SPECIFICATIONS AND INSTRUCTIONS OF THE MANUFACTURER OR SUPPLIER OF

PRODUCT DESIGNATIONS:

PERMIT FEES AND NOTICES:

SUBCONTRACTOR RELATIONS:

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

REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR:

BEFORE ORDERING ANY MATERIALS OR ANY WORK, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND MEASUREMENTS AND SHALL BE RESPONSIBLE FOR CORRECTNESS OF SAME. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED BECAUSE OF DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND MEASUREMENTS AND THOSE INDICATED ON THE DRAWINGS AND DIFFERENCES WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION BEFORE PROCEEDING WITH THE WORK. THIS APPLIES TO ALL ASPECTS OF THE WORK INCLUDING, BUT NOT LIMITED TO, EQUIPMENT OR MATERIALS FURNISHED BY OWNER OR CONTRACTOR.

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

THE CONTRACTOR SHALL INCLUDE IN HIS SUBCONTRACTS THE FOLLOWING CLAUSE: "BY EXECUTING THE CONTRACT BETWEEN THE GENERAL CONTRACTOR AND THE SUBCONTRACTOR EACH SUBCONTRACTOR REPRESENTS THAT HE HAS MORE CURRENT AND INTIMATE KNOWLEDGE OF PREVAILING CODES 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 CONTRACTOR/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.

DIVISION 1 - GENERAL REQUIREMENTS

FORMAT AND CONTENT SECTION 01010

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 ORIGINALLY REQUIRED BY THE CONTRACT DOCUMENTS. AND THE CONTRACTOR SHALL NOT RELY ON SCALING DRAWINGS TO DETERMINE CRITICAL DISTANCES.

WHERE CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) ARE INCOMPLETE, AMBIGUOUS OR CONTAIN CONFLICTING INSTRUCTIONS, DO NOT PROCEED UNTIL RECEIVING CLARIFICATION FROM THE ARCHITECT IN WRITING.

> ONTRACTOR'S USE OF SITE AND PREMISE SECTION 01014

LIMITED USE OF THE SITE: VERIFY WITH THE OWNER OR LANDLORD FOR ESTABLISHED USE LIMITS AN RESTRICTIONS OF THE SITE.

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.

OWNER - FURNISHED ITEMS

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.

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.

SECTION 01017

CERTAIN ITEMS INDICATED IN THE DRAWINGS AND SPECIFICATIONS MAY BE FURNISHED AND INSTALLED BY (IF ANY) ARE INDICATE IN THE "EQUIPMENT SCHEDULE" OR ELSEWHERE ON THE DRAWINGS. CONTRACTOR SHALL INDICATE SEPARATE INSTALLATION COST FOR ITEMS DESIGNATED IN "EQUIPMENT SCHEDULE" TO BE FURNISHED BY OWNER OR "OTHERS".

> TEMPORARY FACILITIES SECTION 01500

THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND PAYING FOR ALL UTILITIES INCLUDING PHONE AND SANITATION SERVICE NECESSARY TO CONSTRUCT THE PROJECT.

THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL CONSTRUCTION AND ALL BUILDING MATERIALS AND EQUIPMENT AND SHALL FURNISH AT HIS EXPENSE ON-SITE STORAGE EQUIVALENT TO AN 8 FOOT BY 8 FOOT BY 40 FOOT LOCKABLE, WEATHER TIGHT TRAILER THROUGHOUT THE CONSTRUCTION UNLESS OTHERWISE INDICATED.

> MATERIALS AND WORKMANSHIP SECTION 01600

ENTITIES PERFORMING WORK SHALL BE SKILLED AND KNOWLEDGEABLE IN METHODS AND CRAFTSMANSHIP NEEDED TO PRODUCE REQUIRED QUALITY LEVELS. REMOVE AND REPLACE WORK, WHICH DOES NOT COMPLY, WITH WORKMANSHIP STANDARDS SPECIFIED AND AS RECOGNIZED IN THE CONSTRUCTION INDUSTRY FOR APPLICATIONS INTENDED.

INSTALLER OF EACH MAJOR UNIT OF WORK SHALL INSPECT SUBSTRATA TO RECEIVE WORK AND CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

HANDLE, STORE, INSTALL, MAINTAIN AND OTHERWISE USE PRODUCTS IN COMPLIANCE WITH MANUFACTURER'S APPLICABLE INSTRUCTIONS AND RECOMMENDATIONS AND IN A MANNER TO ENSURE

PROVIDE ATTACHMENT AND CONNECTION DEVICES AND METHODS FOR SECURING WORK PROPERLY, TRUE TO LINE AND LEVEL AND WITHIN RECOGNIZED INDUSTRY TOLERANCES IF NOT OTHERWISE INDICATED. ALLOW FOR EXPANSION, CONTRACTION AND OTHER NORMAL BUILDING MOVEMENTS.

PROTECT AND MAINTAIN WORK TO ENSURE FREEDOM FROM DAMAGE OR DETERIORATION AT TIME OF

COMPLETION. PERMANENTLY ISOLATE EACH UNIT OF WORK FROM ON-COMPATIBLE WORK TO PREVENT

FIELD CHECK AND VERIFY AS-BUILT DIMENSIONS TO ASSURE PROPER FIT OF PREFABRICATED MATERIALS

INSTALL WORK DURING OPTIMUM WEATHER CONDITIONS OF TEMPERATURE, HUMIDITY, FORECASTED WEATHER, ETC. TO ENSURE BEST POSSIBLE RESULTS.

EXCEPT FOR REQUIRED LABELS AND OPERATING DATA, DO NOT PERMANENTLY ATTACH OR IMPRINT MANUFACTURER'S NAMEPLATES OR TRADEMARKS ON EXPOSED SURFACES OR PRODUCTS WHICH WILL BE EXPOSED TO VIEW IN OCCUPIED SPACES OR ON THE EXTERIOR.

ADJUST ALL MOVING PARTS AND VARIABLES TO OPTIMUM SETTINGS

SECTION 01630

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:

1. AN "OR OWNER APPROVED SUBSTITUTION" CLAUSE OR SIMILAR LANGUAGE IN THE CONTRACT DOCUMENTS. 2. WHEN THE PRODUCT CANNOT BE PROVIDED IN TIME TO KEEP THE PROJECT ON SCHEDULE, THROUGH NO FAULT OF THE CONTRACTOR. 3. WHEN THE PRODUCT DOES NOT MEET THE APPROVAL OF THE GOVERNING AUTHORITIES.

4. WHEN THE OWNER IS OFFERED SUBSTANTIAL ADVANTAGE IN TERMS OF THE COST, TIME OR QUALITY. 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:

PRODUCT APPROVAL: IF A QUALIFIED BIDDER PROPOSES TO FURNISH MATERIALS, PRODUCTS OR EQUIPMENT NOT SPECIFIED, BIDDER MUST RECEIVE PRIOR WRITTEN APPROVAL THRU AN ADDENDUM ISSUED BY THE OWNER OR ARCHITECT AND SHALL SUBMIT MANUFACTURER'S NAME AND CATALOG INFORMATION NO LATER THAN SEVEN (7) WORKING DAYS PRIOR.

> FINAL CLEANING SECTION 0170

EXECUTE FINAL CLEANING PRIOR TO FINAL INSPECTION. THOROUGHLY CLEAN THE PROJECT INCLUDING (BUT NOT NECESSARILY LIMITED TO) THE FOLLOWING:

REMOVE LABELS, WHICH ARE NOT REQUIRED AS PERMANENT LABELS. CLEAN TRANSPARENT MATERIALS, INCLUDING MIRRORS, WINDOW AND DOOR GLASS, TO A POLISHED CONDITION, REMOVING SUBSTANCES, WHICH ARE NOTICEABLE AS VISION-OBSCURING MATERIALS.

CLEAN EXPOSED EXTERIOR AND INTERIOR HARD SURFACED FINISHES, TO A DIRT-FREE CONDITION, FREE OF DUST, STAINS, FILMS AND SIMILAR NOTICEABLE DISTRACTING SUBSTANCES. EXCEPT OTHERWISE INDICATED, AVOID DISTURBANCE OF NATURAL WEATHERING OF EXTERIOR SURFACES. RESTORE REFLECTIVE SURFACES TO ORIGINAL REFLECTIVE CONDITION. WIPE SURFACES OR MECHANICAL AND ELECTRICAL EQUIPMENT CLEAN. REMOVE EXCESS LUBRICATION

AND OTHER SUBSTANCES. REMOVE DEBRIS AND SURFACE DUST FROM LIMITED-ACCESS SPACES INCLUDING PLENUMS, SHAFTS, TRENCHES, MANHOLES, ATTICS AND SIMILAR SPACES.

F. THOROUGHLY CLEAN CONCRETE FLOORS. VACUUM CLEAN CARPETED SURFACES AND SIMILAR SOFT SURFACES.

CLEAN PLUMBING FIXTURES TO A SANITARY CONDITION, FREE OF STAINS INCLUDING THOSE RESULTING FROM WATER EXPOSURE. I. CLEAN FOOD SERVICE EQUIPMENT TO A CONDITION OF SANITATION READY AND ACCEPTABLE FOR INTENDED FOOD SERVICE USE.

K. CLEAN PROJECT SITE (YARD AND GROUNDS), INCLUDING LANDSCAPE DEVELOPMENT AREAS, OF LITTER AND FOREIGN SUBSTANCES. SWEEP PAYED AREAS TO A BROOM-CLEAN CONDITION. REMOVE STAINS, PETROCHEMICAL SPILLS AND OTHER FOREIGN DEPOSITS. RAKE GROUNDS WHICH ARE NEITHER PLANTED NOR PAVED, TO A SMOOTH, EVEN-TEXTURED SURFACE.

CLEAN LIGHT FIXTURES AND LAMPS/LIGHT BULBS, WHICH HAVE BURNED HALF THEIR RATED LIFE OR

CLEAN FILTERS OF OPERATING EQUIPMENT. PROPERLY CLEAN AND SANITIZE FOOD CONTACT SURFACES BEFORE SERVICE USAGES.

CLEAN DEBRIS FROM ROOF, GUTTERS, DOWNSPOUTS AND DRAINAGE SYSTEMS. REMOVE WASTE AND SURPLUS MATERIAL, RUBBISH AND CONSTRUCTION FACILITIES FROM THE SITE.

> WARRANTY SECTION 01740

CONTRACTOR SHALL WARRANT TO THE OWNER THAT ON RECEIPT OF NOTICE FROM HIM, WITHIN A PERIOD OF ONE Y EAR (OR SUCH OTHER PERIOD OF TIME AS MAY BE NOTED FOR SPECIFIC ITEMS) FOLLOWING DATE SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL, AT HIS COST, PROMPTLY CORRECT ANY DEFECTS IN MATERIALS AND WORKMANSHIP THAT HAVE APPEARED IN THE WORK SO THAT THEY MEET THE CONDITIONS

PREPARE DUPLICATE COPIES OF ALL WARRANTIES. EXECUTE AND ASSEMBLE DOCUMENTS FROM SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS.

RETAIN ALL DOCUMENTS IN THE OPERATION AND MAINTENANCE INSTRUCTIONS MANUAL NOTED IN SECTION 01730 AT THE JOB SITE UPON COMPLETION OF THE WORK.

> CONTRACT CLOSEOUT SECTION 01760

1.01 FINAL WORK: AT COMPLETION OF THE WORK, LEAVE THE BUILDING COMPLETELY CLEAN AND IN CONDITION SATISFACTORY TO THE OWNER. CLEAN AND POLISH ALL GLASS AND MIRRORS, LEAVE FLOORS, HARDWARE, PLUMBING FIXTURES AND LIGHTING FIXTURES CLEAN AND DUST FREE. ETC., THIS IS NOT AN ENUMERATION OF WORK TO BE DONE, BUT IS MERELY AN INDICATION OF WHAT WILL BE CONSIDERED "SATISFACTORY".

1.02 BONDS, GUARANTEES AND WARRANTIES:

A. THROUGHOUT THE SPECIFICATIONS VARIOUS SURETY BONDS, GUARANTEES AND WARRANTIES ARE REQUIRED. THE CONTRACTOR SHALL SECURE AND PRESENT THESE BONDS AND GUARANTEES TO THE

B. THE CONTRACTOR SHALL PRESENT THE OWNER WITH ALL OPERATING MANUALS, MANUALS, PARTS LIST, ETC., COVERING ALL MECHANICAL EQUIPMENT OR OTHER OPERATING DEVICES IN THE WORK. THE CONTRACTOR SHALL PRESENT THE OWNER WITH ALL SPECIAL TOOLS REQUIRED FOR ROUTINE MAINTENANCE OF EQUIPMENT, ETC.

1.03 RECORD DRAWINGS: THE CONTRACTOR SHALL PRESENT THE OWNER WITH A COPY OF RECORD DRAWINGS

> DIVISION 2 - SITE WORK (NOT USED) **DIVISION 3 - CONCRETE**

03010 NEW FLOOR STRUCTURE SHALL BE CONCRETE, PORTLAND CEMENT, ASTM C 50, TYPE 1, AND APPLICABLE SECTIONS OF THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" OF THE AMERICAN CONCRETE INSTITUTE ACI-318-LATEST EDITION PRE-INCLUDED AS A PART OF THIS SPECIFICATION. WORKING STRESS FOR ALL CONCRETE SHALL BE 3,000 PSI AT 28 DAYS. REINFORCING MESH SHALL BE FIBERMECH FIBER, BY FIBERMESH COMPANY (423) 892-7243 CONFORMING TO ASTM C-39, C78, C-496. SLAB UNDER CERAMIC TILE SHALL HAVE FLATNESS/LEVELNESS OF $\frac{1}{8}{}^{\text{II}}$ PER 10 LINEAR FEET.

03 030 UNDER FLOOR CONDUIT, ELECTRICAL AND TELEPHONE OUTLETS TO REGISTER COUNTER LOCATION BY ELECTRICAL CONTRACTOR. REFER TO FLOOR PLAN AND ELECTRICAL DRAWINGS FOR APPROPRIATE LOCATION.

03 040 PROVIDE A SELF-LEVELING CEMETITIOUS UNDERLAYMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS THAT SHALL BE ARDEX k15 BY ARDEX INC. (412) 264-4240. INSTALLATION SHALL UTILIZE MANUFACTURER APPROVED MIXING TOOLS, EQUIPMENT, AND METHODS. UNDERLAYMENT SHALL BE INSTALLED OF APPROXIMATELY 4 100 PSLAS PER ASTM C109/MOD, INSTALLATION AND EXECUTION SHALL UTILIZE ARDEX SKIMCOAT/FLASHPATCH AS PROJECT CONDITIONS WARRANT AND MANUFACTURER'S INSTALLATION DIRECTIONS REQUIRE. INFILL SHOULD MATCH COLOR/ COMPOSITION OF THE EXISTING CONCRETE SLAB AS CLOSELY AS POSSIBLE.

DIVISION 4 - MASONRY (NOT USED)

DIVISION 5 - METALS

STEEL STUD FRAMING SECTION 05400

1.01 SCOPE: FURNISH AND INSTALL STEEL STUDS, OTHER STEEL FRAMING MEMBERS, BRACING, FASTENERS AND OTHER RELATED ACCESSORIES IN LOCATIONS RELATED HEREIN AND SHOWN ON THE DRAWINGS.

PART TWO - PRODUCTS

2.01 STEEL STUD FRAMING: A. MATERIALS: COLD FORMED STEEL FRAMING AS MANUFACTURED BY U.S.G. USING HOT DIPPED GALVANIZED STEEL WITH MINIMUM G-60 COATING WHICH CONFORMS TO ASTM SPECIFICATION A-446 AND A-525, LATEST EDITION. CONFIRM STUD GA. MEETS MANUFACTURERS POSTED LENGTHS AND SPANS FOR

1. EQUAL TO U.S.G. SJ STEEL STUDS, $3\frac{5}{8}$, 26 GAUGE, SPACED 6" ON CENTERS. $2\frac{1}{2}$ " & 6" STUDS AS

SPECIFIC USE ON PROJECT. UNLESS NOTED OTHERWISE ON THE DRAWINGS, PRODUCT SHALL BE MIN:

STUDS. B. MISCELLANEOUS COMPONENTS: PROVIDE ALL NECESSARY COMPONENT PARTS AND FASTENERS REQUIRED. FINISH TO HOT DIPPED GALVANIZED AS SPECIFIED FOR STUDS OR STAINLESS STEEL.

2.02 ISOLATION JOINTS: WHERE ALUMINUM OR OTHER DISSIMILAR MATERIALS COME IN CONTACT WITH

STEEL FRAMING, FURNISH AND INSTALL PLASTIC ISOLATION BLOCKS SHIMS) OR BUILDING FELT BETWEEN

2. RUNNER CHANNELS AT TOP AND BOTTOM OF STUDS SHALL BE OF SAME SIZE AND GAUGE AS

DISSIMILAR MATERIALS.

WITH GALVANIZING REPAIR PAINT.

3.01 INSTALLATION: INSTALL STEEL FRAMING TRUE TO LINE, LEVEL AND PLUMB, IN ACCORDANCE WITH THE DRAWINGS, AND APPROVED SHOP DRAWINGS AND THE MANUFACTURER'S WRITTEN INSTRUCTIONS.

3.02 FIELD PAINTING: TOUCH UP GALVANIZED COATINGS DAMAGED DURING HANDLING AND INSTALLATION

B. THIS SECTION INCLUDES INSTALLATION OF METAL FRAMES. WOOD DOORS. FINISH HARDWARE. AND MISCELLANEOUS METALS AND SPECIALTIES FURNISHED UNDER OTHER SECTIONS OF THESE SPECIFICATIONS, AND RELATED ITEMS NECESSARY FOR A COMPLETE AND PROPER INSTALLATION.

PART ONE - GENERAL

1.01 SCOPE

2.01 GENERAL REQUIREMENTS A. RECEIVE, STOCK AND STORE MATERIALS IN ACCORDANCE WITH GOOD PRACTICE. B. GRADING; EACH PIECE OF FINISH LUMBER SHALL BE GRADE-MARKED AND KILN-DRIED. BUNDLED

DIVISION 6 - CARPENTRY

FINISH CARPENTRY

SECTION 06200

A. THIS SECTION INCLUDES FURNISHING AND INSTALLING ALL MISCELLANEOUS EXPOSED WOOD MEMBERS

C. SIZES AND PATTERNS: WORK LUMBER TO PATTERN DETAILED. SHAPED MATERIAL SHALL CONFORM TO STANDARD PATTERNS INDICATED. D. MOISTURE CONTENT: MAXIMUM MOISTURE CONTENT OF TREATED OR UNTREATED FINISH LUMBER, TRIM AND MILLWORK SHALL BE 12 PERCENT AT TIME OF DELIVERY TO JOB SITE.

2.02 TOUGH HARDWARE: THE GENERAL CONTRACTOR SHALL FURNISH ALL ROUGH HARDWARE INCLUDING NAILS. SCREWS AND SIMILAR ANCHORS AND FITTINGS AND ALL OTHER HARDWARE EITHER MENTIONED IN THESE SPECIFICATIONS OR REQUIRED FOR THE PROPER COMPLETION OF THE WORK.

2.03 PLASTIC LAMINATE: AS SCHEDULED ON THE DRAWINGS. COLORS AS SCHEDULED.

2.04 PLYWOOD: VENEER CORE PLYWOOD OF THICKNESS SHOWN ON THE DRAWINGS. A. WHERE BOTH SIDES COVERED WITH PLASTIC LAMINATE: APA C-D INT. B. WHERE BOTH SIDES VISIBLE: APA B-B INT. C. WHERE BOTH SIDES VISIBLE: APA B-C OR B-D INT.

D. COUNTERTOP AT SERVING COUNTER: APA B-B, EXPOURE I

AND TRIM ITEMS AND SERVING COUNTER, AS DETAILED ON THE DRAWINGS

STOCK SHALL HAVE GRADE MARKS APPLIED TO EACH BUNDLE.

2.05 RFP (FIBERGLASS REINFORCED POLYESTER) PANELS: 32 THICK WITH PEBBLED TEXTURE FACE. COLOR NOTED ON THE DRAWINGS. BY KEMLITE. INSTALL ON FACE OF GYPSUM BOARD OR AT EDGES. INTERIOR EXTERIOR CORNERS, BETWEEN PANELS, ALL IN STRICT ACCORDANCE WITH KEMLITE COMPANY SPECIFICATIONS.

2.06 ADHESIVE: FOR ADHERING PLASTIC LAMINATE TO PLYWOOD SUBSTRATE ON WALLS AND CABINETS, USE CONTACT ADHESIVE EQUAL TO WILSONART BRUSHABLE GRADE LW500 ON PLYWOOD AND PLASTIC LAMINATE SURFACES IN ACCORDANCE WITH ADHESIVE MANUFACTURER'S INSTRUCTIONS. FOR ADHERING SOLID SURFACING, BED THE SOLID SURFACE IN SILICONE SEALANT AS RECOMMENDED BY SOLID SURFACE MANUFACTURER ON THE WOOD;/PLYWOOD FRAMING.

PART THREE - EXECUTION

A. INSTALL WORK OF THIS SECTION AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN, IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AND MANUFACTURER'S WRITTEN INSTRUCTIONS. B. INSTALL THE WORK PLUMB, TRUE AND STRAIGHT WITH NO DISTORTIONS, SHIM AS REQUIRED USING CONCEALED SHIMS. INSTALL TO A TOLERANCE OF $\frac{1}{6}$ " IN 8'-0" FOR PLUMB AND LEVEL (INCLUDING COUNTERTOPS) AND WITH 16" MAXIMUM OFFSET IN FLUSH ADJOINING SURFACES, 6" MAXIMUM OFFSETS IN REVEALED ADJOINING SURFACES.

3.02 FINISH HARDWARE: RECEIVE, STORE AND INSTALL FINISH HARDWARE SPECIFIED ON THE DRAWINGS. AT COMPLETION OF THE JOB, CHECK AND LEAVE ALL HARDWARE IN OPTIMUM LABELED ACCORDING TO THE DOORS AS NUMBERED ON THE DRAWINGS. BOX KEYS NEATLY AND ORDERLY AND THEN TURN OVER TO THE OWNER.

DIVISION 7 - MOISTURE PROTECTION

1.01 SCOPE: THE WORK OF THIS SECTION INCLUDES INSULATION AT EXTERIOR WALLS AND ELSEWHERE AS SHOWN ON THE DRAWINGS.

BUILDING INSULATION

SECTION 07200

PART TWO - MATERIALS 2.01 THERMAL INSULATION: INORGANIC GLASS FIBER BLANKETS WITH VAPOR BARRIER, 6" THICK, R-19.

PART THREE EXECUTION 3.01 INSTALL THERMAL INSULATION ON TOP OF SUSPENDED CEILING TILES IN ATTIC SPACE AND IN WALI

CAULKING AND SEALANTS

SECTION 07900

VOIDS OF EXTERIOR WALLS UNLESS NOTED OTHERWISE IN DRAWINGS. INSTALL ON OUTSIDE OF WATER PIPES

PART ONE - GENERAL

IN EXTERIOR WALL

1.01 SCOPE: THE WORK OF THIS SECTION INCLUDES ALL SEALANTS AND CAULKING, BOTH INTERIOR AND EXTERIOR.

2.01 GENERAL REQUIREMENTS: POLYSULFIDE (THLOKAL) BASE CAULKING COMPOUNDS, SYNTHACAULK GC9 BY PECORA, OR APPROVED EQUAL. COLORS SHALL REASONABLY MATCH THAT OR ADJOINING WORK.

PART THREE - EXECUTION 3.01 JOB CONDITIONS: APPLY MATERIALS ONLY WHEN THE TEMPERATURE OF SPACES, MATERIALS, AND SURFACES IS ABOVE 40 DEGREES F. USE MATERIALS WITHIN THE MANUFACTURER'S RECOMMENDED SHELF - LIFE PRIOR; REMOVE FROM THE JOB ANY MATERIALS WHOSE SHELFOLIFE PERIOD EXPIRES AFTER BEING

BROUGHT TO THE JOB, AND REPLACE WITH FRESH MATERIAL.

3.02 APPLICATION: A. APPLY CAULKING IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS; USING PRESSURE TYPE CAULK GUN. PRIME SIDES OF JOINTS BEFORE APPLYING CAULKING IF RECOMMENDED BY THE MANUFACTURER. WIDTH AND DEPTH OF SEALANT IN JOINTS SHALL BE MINIMUM $\frac{1}{2}$ ". IN LARGE JOINTS, THE DEPTH OF SEALANT SHALL BE ONE HALF THE WIDTH OF THE JOINT. IF REQUIRED, PACK SPACES WITH COMPRESSIBLE MATERIALS, COMPATIBLE WITH THE CAULKING MATERIAL, TO WITHIN THE PROPER DISTANCE OF THE FINISHED JOINT; THEN FILL JOINT WITH CAULKING MATERIAL. PROTECT ADJACENT AREAS NOT TO RECEIVE SEALANTS AND CAULKING. REMOVE PROMPTLY IF CAULKING OR SEALANT DOES GET ON THESE SURFACES; CLEAN SATISFACTORILY OR REPOLACE SURFACES WITH NEW MATERIALS. USE GUN NOZZLES TO

B. CAULK JOINTS BETWEEN DOOR AND WINDOW FRAMES AND ADJOINING WORK, AT ALL JOINTS BETWEEN DIFFERENT MATERIALS, AND ELSEWHERE AS SHOWN OR REQUIRED TO SEAL JOINTS WIND AND WATER TIGHT. EXERCISE CARE TO SEAL ALL OPENINGS IN EXTERIOR WALLS TO BE WIND, WATER AND INSECT

FIT JOINTS. FINISH JOINTS NEATLY. REMOVE EXCESS MATERIAL. LEAVE JOINTS CLEAN.

C. USING SPECIFIED SEALANT, SEAL BETWEEN FOOD SERVICE EQUIPMENT AND ADJOINING WALL, BASES, ETC., AS REQUIRED TO SEAL CRACKS OR OTHER OPENINGS, AND AROUND PIPES, SO TO PREVENT ACCESS OF VERMIN AND ACCUMULATION OF CRUMBS, GREASE OR OTHER FOREIGN SUBSTANCES.

D. ALL EXPOSED WOOD SURFACES IN CABINETS/COUNTERS AND ALL PENETRATIONS IN MILLWORK ARE

DIVISION 8 - DOORS AND WINDOWS

STEEL DOORS AND FRAMES

SECTION 08100

PART ONE - GENERAI

TO BE SEALED.

1.01 SCOPE: THE WORK OF THIS SECTION INCLUDES FURNISHING OF ALL HOLLOW METAL DOORS AND STEEL FRAMES. INSTALLATION OF DOORS AND FRAME IS INCLUDED UNDER SECTION 06200.

1.02 MARKING: SHIP DOORS AND FRAMES TO JOB WITH EACH ITEM IDENTIFIED WITH ARCHITECT'S MARK. 1.03 PROTECTION AND CLEANING: PROTECT ALL DOOR FRAMES AND DOORS FROM DAMAGE DURING TRANSPORTATION AND AT THE JOB SITE. STORE AT THE SITE UNDER COVER ON WOOD BLOCKING OR ON

ACTIVITES. DAMAGED WORK WILL BE REJECTED AND SHALL BE REPLACED WITH NEW WORK.

SUITABLE FLOOR. AFTER INSTALLATION, PROTECT FROM DAMAGE DURING SUBSEQUENT CONSTRUCTION

2.01 METAL FRAMES: FLUSH DOUBLE RABBIT ARC-WELDED FRAMES BY CECO, RUPUBLIC, CURRIES OR EQUAL, OF DEPTHS AND CONFIGURATIONS SHOWN ON THE DRAWINGS. PROVIDE WEATHER HOOD FULL WIDTH OF FRAME AT HEAD ON EXTERIOR SIDE OF EXTERIOR DOORS. INTERIOR DOOR FRAMES TO LITILIZE KNOCK-DOWN METAL FRAMES BY TIMELY, OR EQ.. PREPARE FRAME AT FACTORY FOR HARDWARE INSTALLATION. PROVIDE

Sherman, Texas 75 903.813.1415

April 22, 2024

REVISIONS No. | DATE | NOTE

General Notes

April 22, 2024

Drawn by:

Checked by:

Project No:

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.

- A. 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
- B. IN ADDITION TO COMPLY WITH PERTINENT CODES AND REQUIREMENTS OF GOVERNMENTAL AGENCIES HAVING JURISDICTIONAL AGENCIES HAVING JURISDICTION, COMPLY WITH:
- 1. "MANUAL OF MILLWORK" OF THE WOODWORK INSTITUTE OF CALIFORNIA, FOR THE GRADE OR GRADES
- "ARCHITECTURAL WOODWORK QUALITY STANDARDS" OF THE ARCHITECTURAL WOODWORK INSTITUTE FOR THE GRADE OR GRADS SPECIFIED. CERTIFICATION AND STAMPS WILL NOT BE REQUIRED.

1.03 DELIVERY, STORAGE AND HANDLING:

SPECIFIED: OR

- 1. DELIVER DOORS TO SITE AFTER BUILDING HAS REACHED AVERAGE PREVAILING HUMIDITY OF ITS
- LOCALITY 2. DELIVER DOORS IN MANUFACTURER'S NAME, BRAND NAME, SIZE, THICKNESS, AND IDENTIFYING
- SYMBOL ON THE COVERING. 3. SEAL ALL FOUR EDGES OF THE UNFINISHED DOORS WHEN DELIVERED TO THE JOB SITE.

- 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
- 3. STORE DOORS IN AREA WHERE THERE WILL BE NO GREAT VARIATIONS IN HEAT, DRYNESS, AND HUMIDITY.

PART TWO - PRODUCTS

- A. 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 MFGR'S. HALEY BROTHERS, MARSHFIELD, VT INDUSTRIES, MOHAWK, CRAFTMASTER.
- B. GRADE: EXCEPT AS MAY BE SHOWN OTHERWISE ON THE DRAWINGS, FABRICATE THE WORK OF THIS SECTION TO "CUSTOM GRADE" STANDARDS OF THE REFERENCED ORGANIZATIONS.
- C. FOR HOLLOW CORE DOORS, PROVIDE CORE CONSTRUCTION AS NEEDED TO ACCOMMODATE FINISH HARDWARE D. SPECIES:
- WHERE PAINT GRADE OR OPAQUE FINISH ARE CALLED FOR ON THE DRAWINGS, PROVIDE BIRCH OR MAPLE FACES FOR OPAQUE FINISH.
- 2. FOR ALL OTHER FLUSH WOOD DOORS, PROVIDE ROTARY CUT WHITE BIRCH FACES FOR TRANSPARENT FINISH.

C. DO NOT DRAG DOORS ACROSS ONE ANOTHER; LIFT DOORS AND CARRY THEM INTO POSITION.

PART THREE - EXECUTION

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

3.02 INSTALLATION:

- A. FITTING AND MATCHING:
- 1. UNLESS DOORS ARE COMPLETELY FITTED AND MACHINED AT THE MILL, FIT THEM FOR WIDTH BY PLANNING AND FIT THEM FOR HEIGHT BY SAWING.
 - a. BOTTOM: ½" CLEARANCE MAXIMUM. b. TOP: 1/2" CLEARANCE MINIMUM. LOCK EDGE AND HINGE EDGE: BEYEL 1/2" IN 2" MAXIMUM c. LOCK EDGE AND HINGE EDGE: BEVEL $\frac{1}{8}$ " IN 2" MAXIMUM.
- 2. MACHINE DOORS FOR HARDWARE IN ACCORDANCE WITH RECOMMENDATIONS OF THE HARDWARE MANUFACTURERS, AS THOSE RECOMMENDATIONS HAVE BEEN APPROVED BY THE ARCHITECT.
- B. 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.
- C. 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

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: A. COLUMN COVERS AND AT SILLS OF WINDOWS, .OO" ANODIZED ALUMINUM, FINISH TO MATCH FRAMING. B. 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

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

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 06200. 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 A. FURNISH HARDWARE IN ACCORDANCE WITH HARDWARE SCHEDULE. FURNISH EACH KIND OF

- HARDWARE FROM ONLY ONE MANUFACTURER. B. FINISHES OF ALL HARDWARE SHALL MATCH THE FINISH OF THE LOCKSETS, UNLESS OTHERWISE SCHEDULED
- FURNISH NON-REMOVABLE PINS AT OUT SWINGING EXTERIOR DOORS. D. CLOSERS: SIZE THE CLOSERS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS. FURNISH SEX BOLTS FOR CLOSERS TO BE MOUNTED IN PARTICLE BOARD OF
- . 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. G. 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

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

THE HARDWARE AS TO MATERIAL AND FINISH.

DIVISION 9 - FINISHES GYPSUM DRYWALL

SECTION 09250

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

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 F 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

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

1.03 PRODUCT HANDLING: DELIVER PACKAGED MATERIALS AND STORE IN ORIGINAL CONTAINERS WITH SEALS JNBROKEN 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: A. COMPLY WITH APPLICABLE REQUIREMENTS OF THE FOLLOWING AMERICAN NATIONAL STANDARDS
- INSTITUTE STANDARDS. 1. A108.4 FOR TILE INSTALLED WITH ORGANIC ADHESIVE.
- A108.5 FOR TILE INSTALLED WITH DRY-SET PORTLAND CEMENT MORTAR OR LATEX PORTLAND
- CEMENT MORTAR. 3. A108.6 FOR TILE INSTALLED WITH EPOXY ADHESIVE. B. COMPLY WITH MANUFACTURER'S INSTRUCTION FOR MIXING AND INSTALLATION OF PROPRIETARY
- 3.02 INSTALLATION:
- A. EXTEND TILE WORK INTO RECESSES AND UNDER OR BEHIND EQUIPMENT AND FIXTURES, TO FORM A COMPLETE COVERING WITHOUT INTERRUPTIONS. B. ACCURATELY FORM INTERSECTIONS AND RETURNS. PERFORM CUTTING AND DRILLING OF TILE
- WITHOUT MARRING 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.
- 1. QUARRY TILE FLOORS: DRY-SET PORTLAND CEMENT MORTAR OR LATEX-PORTLAND CEMENT MORTAR OVER CONCRETE
- 2. GLAZED WALL TILE. ORGANIC ADHESIVE. 3 QUARRY THE FLOORS IN COOLER/FREEZER: SET WITH EPOXY ADHESIVE
- D. UNLESS OTHERWISE SHOW, 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.
- E. INSTALL EXPANSION JOINTS MAXIMUM 16' O.C., IN EACH DIRECTION.

3.03 CLEANING AND PROTECTION:

- A. UPON COMPLETION OF PLACEMENT AND GROUTING, CLEAN ALL TILE SURFACES SO THEY ARE FREE OF FOREIGN MATTER.
- B. LEAVE FINISHED INSTALLATION CLEAN AND FREE OF CRACKED, CHIPPED, BROKEN,L UN-BONDED OR
- OTHERWISE DEFECTIVE TILE WORK. C. PROHIBIT FOOT AND WHEEL TRAFFIC FROM USING TILE FLOORS FOR AT LEAST THREE (3) DAYS AFTER GROUTING IS COMPLETED.
- D. 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 CEILINGS SECTION 09500

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.

2.01 CEILING PANELS: COLOR, TYPE, PATTERN, SIZE, ETC., AS SCHEDULED AND SHOWN ON THE

PART THREE - EXECUTION 3.01 INSTALLATION: IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTION, SUSPEND MAIN TEES IN PLACE AT EVERY INTERSECTION WITH MAIN RUNNERS, AND WALL ANGLES WITH ENDS OF TEES

RESTING ON BOTTOM FLANGE. SECURE WALL ANGLES TO SUBSTRATE WITH EXTRA ANGERS IF REQUIRED. SUSPEND SURFACE MOUNTED FIXTURES 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.

CORNER GUARDS (IF REQUIRED PER DRAWINGS) SECTION 10260

1.02 SUBMITTALS: COMPLY WITH SECTION 10750. SUBMIT SAMPLES FOR APPROVAL. DE $^{15}/_{16}$ "

PART TWO - MATERIALS

APPROVED SUBSTITUTIONS JOHNSONITE MIDDLEFIELD, OHIO (216-543-8916) 2. ROPPE FOSTORIA, OHIO (419435-8546)

- 3. RC MUSSION RUBBER CO. AKRON, OHIO (216773-7651)
- MERCER PRODUCTS COMPANY, INC., ORLANDO, FLORIDA (407578-2900) C. 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:
- 1. K.J. MILLER CORPORATION, ELKHARD, IN (800-34-7584) PAWLING CORPORATION, PAWLING, NY (914-855-1005)
- AMERICAN FLOOR PRODUCTS CO., INC. ROCKVILLE, MD (800-342-0424)
- MCKINNEY/PARKER DIVISION, SCRANTON, PA (717-348-7551) 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.

2.01 PEST CONTROL PRODUCT: PERMA - DUST PT240 BORIC - ACID - BASED INSECTICIDE BY WHITMIRE RESEARCH LABORATORIES INC., ST. LOUIS, MO (314-225-5713), OR OWNER APPROVED SUBSTITUTION.

OR ENCLOSING. APPLY IN STRICT CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.

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

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

TILE BACKER BOARD SECTION 10310

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.

2.01 CEMENTIOUS TILE BACKER BOARD: DUROCK CEMENT BOARD - $\frac{5}{6}$ " THICK - UNITED STATES GYPSUM COMPANY, P.O. BOX 806278, 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

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

- A. OWNER SHALL SUPPLY ALL EXTERIOR SIGNAGE. INSTALLATION OF SIGNAGE BY THIRD PARTY. B. CONTRACTOR SHALL COORDINATE ELECTRICAL INSTALLATION AND FINAL ELECTRICAL CONNECTIONS
 - INTERIOR SIGNAGE (IF REQUIRED PER DRAWINGS)

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:
- A. OWNER SHALL SUPPLY ALL INTERIOR SIGNAGE, INSTALLATION OF SIGNAGE BY THIRD PARTY B. CONTRACTOR SHALL SUPPLY AND INSTALL ALL REQUIRED BLOCKING IN WALLS AS REQUIRED.

C. CONTRACTOR SHALL COORDINATE ELECTRICAL INSTALLATION AND FINAL ELECTRICAL CONNECTIONS

SECTION 10520

FIRE EXTINGUISHERS

FOR INTERIOR SIGNAGE UNLESS OTHERWISE INDICATED.

FOR EXTERIOR SIGNAGE UNLESS OTHERWISE INDICATED.

EXTINGUISHERS.

PART TWO - MATERIALS

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

- 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.

APPLICABLE GOVERNING REGULATIONS.

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

TOILET ACCESSORIES SECTION 10800

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

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

APPROVED

PART TWO - MATERIALS

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.

FOOD SERVICE EQUIPMENT SECTION 11400ACCESSIBILITY GUIDELINES (ADAAG) AS SHOWN ON THE DRAWINGS AND OR OWNER

B. PROVIDE RUBBER OR VINYL CORNER GUARDS BY ONE OF THE FOLLOWING MANUFACTURERS OR OWNER PART ONE - GENERAL

- A. 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)
- SILITE DEVCON CORPORATION, DANVERS, MA (617-777-1100) 3. RTV100 SERIES: GENERAL ELECTRIC COMPANY, WATERFORD, NY (518-266-2315)
- B. CLEAN AND PRIME OR SPOT PRIME SURFACES TO RECEIVE SEALANT AS REQUIRED. COLOR TO BE CLEAR OR TO MATCH ADJACENT SURFACES. C. ITEMS REQUIRING SEALANT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
- THREE COMPARTMENT SINK
- PREP SINK 4. HAND SINKS
- INSIDE AND OUTSIDE WALK-IN COOLER EXHAUST HOOD

SPECIAL INSTRUCTIONS - DIVISIONS AND SITE CONDITIONS

& COMPLETELY LAYING OUT ALL WORK UNDER THE CONTRACT.

REQUIREMENTS OF THE CONTRACT AGREEMENT SHALL GOVERN.

DRAWINGS.

DOCUMENTS:

SHALL GOVERN.

DIMENSIONS SHALL GOVERN.

STRINGENT SHALL GOVERN.

ALL THE DOCUMENTS.

JOB LOCATION AND DIMENSIONS: BEFORE DOING ANY SUCH WORK OR ORDERING MATERIALS

BUILDING CONDITIONS, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS BY

6 OUT OF THE WORK: BEFORE COMMENCING ANY WORK, THE CONTRACTOR SHALL VERIF

DEPENDANT FOR PROPER LOCATION OR SIZE OF INSTALLATION UPON COORDINATION WITH

DIFFERENCES BETWEEN ACTUAL LOCATIONS AND DIMENSIONS AND THOSE SHOW ON THE

ALL GRADES, LINES, VOLTAGES, MECHANICAL CHASES, PLUMBING WASTE & SUPPLY LINES,

ROOF CONDITIONS. STRUCTURAL ELEMENTS, LEVELS AND DIMENSIONS AS INDICATED ON THE

CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL CONSTRUCTION LINES, LEVELS

AND GRADES, AND DIMENSIONS AS INDICATED ON THE DRAWINGS AND FOR OTHERWISE FULLY

TAKING LINES AND MEASUREMENTS AT THE SITE AND SHALL BE RESPONSIBLE FOR

DRAWINGS. HE SHALL REPORT ANY ERRORS AND INCONSISTENCIES IN THEM BEFORE

DRAWINGS AND SPECIFICATIONS: THE DRAWINGS ARE PRESUMABLY CORRECT BUT THE

SETTLEMENT OF DISPUTES WHICH MAY ARISE OVER DISCREPANCIES IN THE CONTRACT

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

DECISION SHALL BE FINAL ON SUCH POINTS. THE FOLLOWING PRINCIPLES SHALL GOVERN THE

DRAWINGS AND OR SPECIFICATIONS. SAME SHALL BE REFERRED TO THE DESIGNER. WHOSE

A. AS BETWEEN LARGE SCALE DRAWINGS AND SMALL SCALE DRAWINGS, THE LARGER SCALE

B. AS BETWEEN SCALE OF DRAWINGS AND WRITTEN DIMENSIONS THERE ON, THE WRITTEN

C. AS BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE REQUIREMENTS ON THE MORE

D. AS BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE CONTRACT AGREEMENT, THE

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

CORRECTNESS OF SAME. NO CONSIDERATION WILL BE GIVEN ANY CLAIM BASED ON

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

Sherman, Texas 75 903.813.1415



REVISIONS No. DATE NOTE

Checked by: Project No: April 22, 2024

Drawn by:

General Notes

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

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

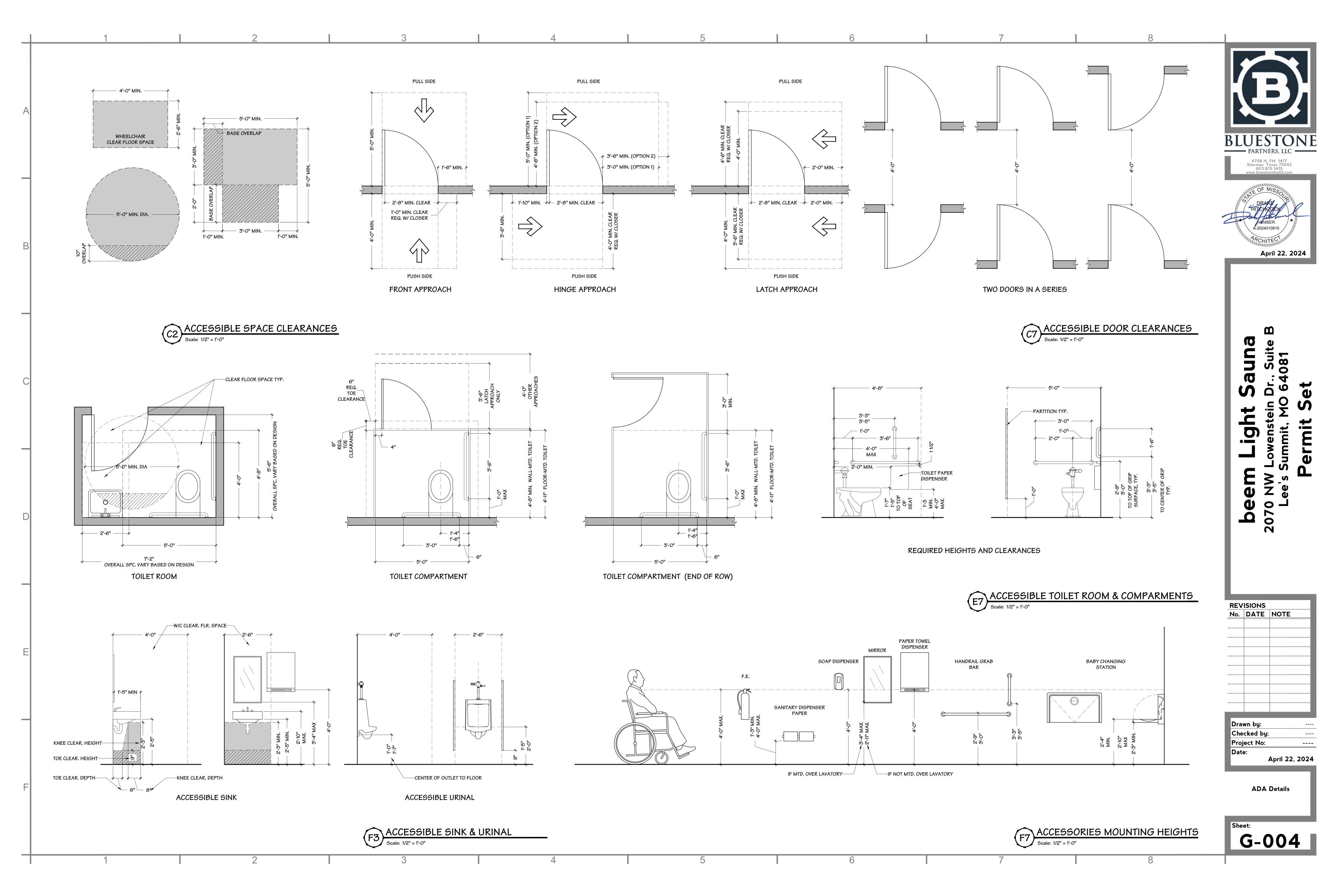
DIVISION 10 - SPECIALTIES

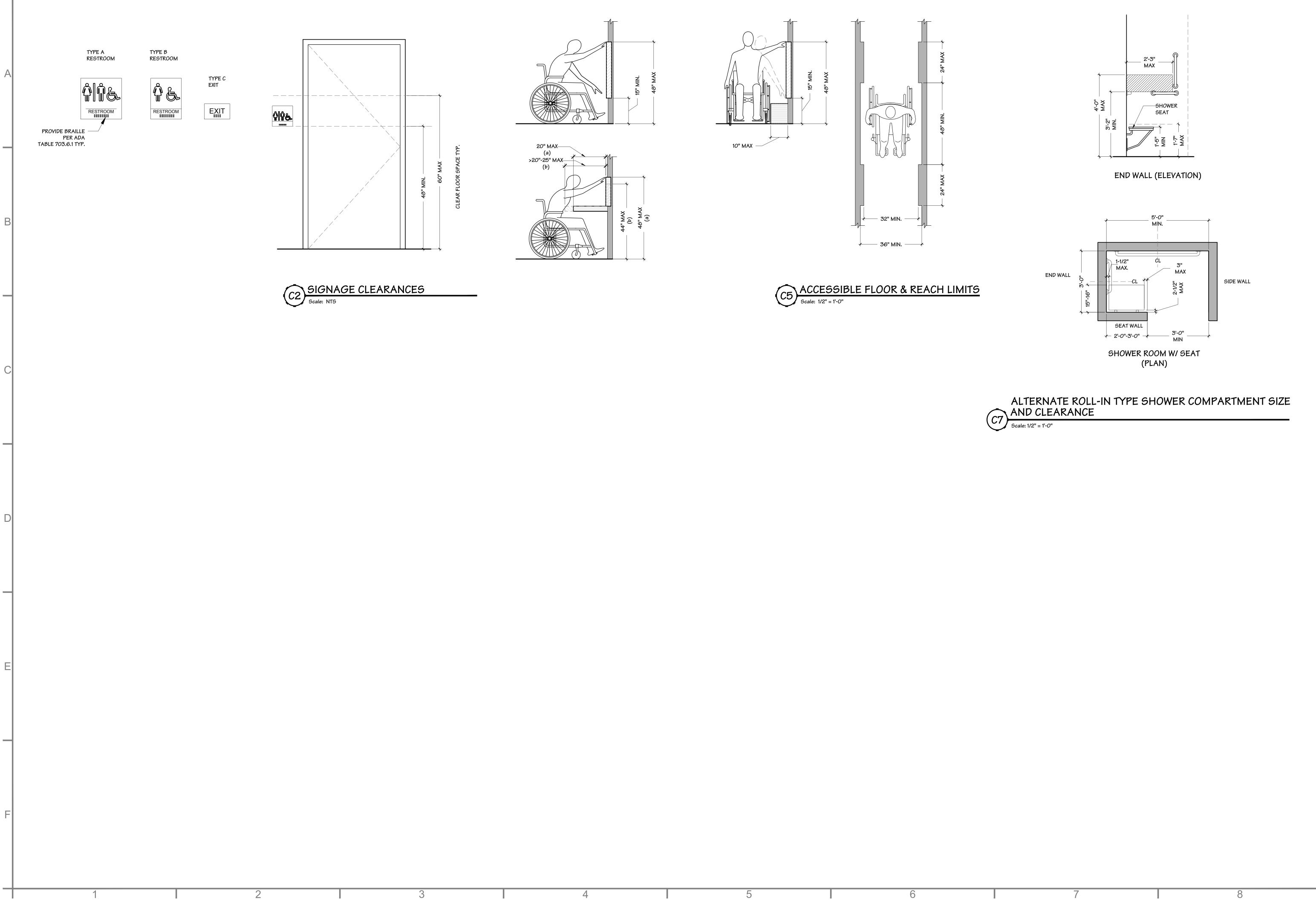
1.01 SCOPE: FURNISH LABOR, EQ

A. 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.

PART THREE - EXECUTION

DIVISION 11 - EQUIPMENT







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

April 22, 2024

Sauna

REVISIONS
No. DATE NOTE

Drawn by: Checked by: Project No: April 22, 2024

ADA Details

Sheet:
G-005

						RESPONSIE	BILITY CHART							
THIS CHART IS PROVIDED FOR REFERENCE ONLY. THE GENERAL COI SCOPE OF WORK ITEMS LISTED BELOW. CONFLICTS BETWEEN THIS O IMMEDIATELY FOR CLARIFICATION.						O IN THE CONSTRUCTION DOCUMENTS. SEE ADDITIONAL SHT TO THE ATTENTION OF THE ARCHITECT	LEGEND: 0 = OWNER (TENANT) GC = GENERAL CONTRACTOR OC = OWNER'S VENDOR (GC TO COORDINATE W/ OWNER) PS = WORK TO BE PERMITTED SEPARATELY OF THIS APPROVAL							
ITEM (SPECIFICATION SECTION)	FURNIS	SHED		INSTALLE	D	9 REMARKS	ITEM (SPECIFICATION SECTION)	FURN	SHED		INSTALLED		s	REMARKS
DIVISION- 1 GENERAL REQUIREMENTS	0	GC	oc Ps	0 G	OC P		DIVISION- 11 EQUIPMENT	0	GC OC	P5	O GC	ос	P5	
TEMPORARY FACILITIES & CONTROLS		•					WASHER/ DRYER (STACKED UNITS)	•			•			
STARTING AND ADJUSTING CONSTRUCTION AND BARRICADES		•		•			U/C REFRIGERATOR U/C REFRIGERATOR - CUSTOM PANEL FRONT SAUNA LIGHT THERAPY STATIONS	•			•	•		
DIVISION- 2 EXISTING CONDITIONS							DIVISION- 12 FURNISHINGS							
DEMOLITION		•		•			RECEPTION WATERFALL TABLE	-			•			GC TO COORDINATE POWER
DIVISION- 3 CONCRETE							RECEPTION HANGING APPAREL RACK RED LIGHT THERAPY BED/ LIGHT TRACK	+_	•		•			_
		_				CONCRETE INFILL TO MATCH THE COLOR/		•	_		•			+
CONCRETE INFILL		•				SLAB AS CLOSELY AS POSSIBLE.	HALLWAY MIRROR		•		•			
CONCRETE SLAB FLOOR PREPARATION		•				RE: A-114 FOR FLOORING/FINISHES	SOCIAL SPACE/ SEATING FURNITURE WALL TIMER	•			•			
DIVISION- 4 MASONRY							WORK AREA- FOLDING TABLE/ LAUNDRY BASKETS	•			•			
DIVICION E METAL							WORK AREA- SUPPLEMENTAL STORAGE	•			•			
DIVISION- 5 METAL STRUCTURAL STEEL							SAUNA ROOM STORAGE RESTROOM, SHOWER & SAUNA SHELVING				•			RE: A-1
LIGHT GAUGE METAL FRAMING METAL FABRICATION		•		•		AS MAY BE REQUIRED	DECOR	•			•			
PUNISION- 6 WOOD AND PLASTICS RUNNING TRIM & MOULDINGS - N/A		•		١,			DIVISION- 13 SPECIAL CONSTRUCTION							
RECEPTION MILLWORK		•				RE: A-113, A-501	DIVISION- 14 CONVEYING EQUIPMENT							
WORK AREA BASE AND WALL CABINETS		•				A15/ A-501 RE: A-113, A-501	DIVISION- 21 FIRE SUPRESSION							
DIVISION- 7 THERMAL AND MOISTURE PROTECTION							FIRE SPRINKLER SYSTEM		•	•	•		\blacksquare	FIELD VERIFY
THERMAL AND SOUND INSULATION SEALANTS		•		•			DIVISION- 22 PLUMBING							
DIVISION- 8 DOORS AND FRAMES							NEW WATER / SEWER CONNECTIONS TO EXISTING PIPING NEW PLUMBING FIXTURES (UNO)		•		•			RE: PLUMBING DRAWINGS RE: PLUMBING DRAWINGS
METAL DOORS AND FRAME		•					WATER HEATER		•		•			RE: PLUMBING DRAWINGS
WOOD DOORS		•					RESTROOM/ SHOWER SINK & FAUCET WATER DISPENSER		•		•			RE: PLUMBING DRAWINGS
DOOR HARDWARE GLAZING- N/A		•		•		COORDINATE KEYING WITH OWNER	SHOWER PAN DIVISION- 23 MECHANICAL		•		•		_	
STOREFRONT SYSTEM- N/A							AIR HANDLING UNITS		•		•			RE: MECHANICAL DRAWINGS
DIVISION- 9 FINISHES CONCRETE SLAB- STAIN FINISH		•				REFER TO SHEET A-114	DUCTWORK/ GRILLES THERMOSTATS	1	•		•			RE: MECHANICAL DRAWINGS RE: MECHANICAL DRAWINGS
FLOOR TILE		•				KETEK TO OTILET A TH	THERMOOTATO							KE. MEDITATIONE DISTANCE
WALL TILE SEALER FOR EXISTING CONCRETE		•					DIVISION- 25 INTEGRATED AUTOMATION							
PAINT		•				RE: A-114	DIVISION- 26 ELECTRICAL							
*ALL ITEMS IN EXPOSED STRUCTURAL AREAS TO BE PAINTED ACOUSTICAL CEILING		•				RE: A-114 RE: A-112, A-114	NEW PANEL, BREAKERS, TRANSFORMER AND SWITCHES ELECTRICAL PANEL		•		•			
							LIGHTING LAMPS		•		•			
							EXTERIOR SIGNAGE		•		•	•		POWER BY E.C
*WALL MOUNTED SOAP DISPENSERS		•				*CONFIRM W/OWNER	EXTERIOR EMERGENCY LIGHTING, IF REQUIRED SECURITY ALARM		•		•	•		POWER BY E.C
*PAPER TOWEL DISPENSER		•				*CONFIRM W/OWNER	CONDUIT & PULL STRING FOR PHONES, POS AND A/V		•		•			- I ONEROTE EIO
*TOILET TISSUE DISPENSERS		•		•		*CONFIRM W/OWNER	A/V EQUIPMENT		•			•		POWER BY E.C
TOWEL BARS		•					FIRE ALARM CHANDELIER FIXTURE 'A'		•	•	•			
WASTE RECEPTACLE (RESTROOM)	•			•			PHONE SYSTEM		•			•	-	WALL BOX AND CONDUIT BY GC
GRAB BARS RESTROOM MIRRORS (BACKLIT)	<u> </u>	•				POWER AS REQUIRED	MISCELLANEOUS WIFI	•			•			
THERAPY ROOM MIRRORS (BACKLIT) ROBE HOOKS		•				POWER AS REQUIRED	ADA IDENTIFYING DEVICES (RESTROOM SIGNAGE) SPEAKERS		•		•			
SHOWER SEAT		•					PLANTS/ GREENERY	•			•			
SHAMPOO/ CONDITIONER DISPENSER		•		-										
POINT OF SALE AND DATA: CONDUITS AND PULL STRINGS		•					UTILITIES							
CABLING	١.			•		ROUGH-IN BOXES BY EC AS REQUIRED	GAS SERVICE AND METER - N/A							
POWER		•		•		ROUGH-IN BOXES BY LC AS REQUIRED. COORDINATE WITH OWNER	WATER SERVICE AND METER							RE: PLUMBING DRAWINGS
ENTERTAINMENT (AUDIO VISUAL): AV CONSOLE & EQUIPMENT			•		•		SEWER ELECTRICAL SERVICE AND METER							RE: PLUMBING DRAWINGS RE: PLUMBING DRAWINGS
CONDUITS AND PULL STRINGS		•												
TV'S AND BRACKETS SPEAKERS	•			•		POWER BY E.C.								
SIGNAGE: INTERIOR			•		•	POWER BY E.C.								
SIGNAGE: EXTERIOR FIRE EXTINGUISHERS		•	•		• P:	PERMITTING BY SIGNAGE SUBCONTRACTOR; POWER BY E.C.		_						1
ADDRESS AND SERVICE DOOR SIGNAGE		•				IF NOT EXISTING, AS REQUIRED BY CODE								
							NOTE #1: UNLESS SPECIFIED HEREIN NOT TO BE PROVIDED, INSTALLED, A		FINISHED BY (RUCTION DOCL			ubs are	E TO PROV	1DE INSTALL AND FINISH ALL ITEMS IN THE

ABV	ABOVE	FA	FIRE ALARM	PH	PHASE
A/C	AIR CONDITIONING,	FACP	FIRE ALARM CONTROL PANEL	PLAM	PLASTIC LAMINATE
	AIR CONDITIONER	FCO	FLOOR CLEANOUT	PLBG	PLUMBING
ACOUST	ACOUSTICAL	FE	FIRE EXTINGUISHER	PLYWD	PLYWOOD
ADA	AMERICANS WITH DISABILITIES	FF, FFE	FINISH FLOOR,		
	ACT	,	FINISH FLOOR ELEVATION	PNL	PANEL
ADAAG	AMERICANS WITH DISABILITIES	FLR	FLOOR	PT	PRESSURE TREATED
71071710	ACT ACCESSIBILITY GUIDELINES	FR		PVC	POLYVINYL CHLORIDE
AD I			FIRE RETARDANT		
ADJ	ADJUSTABLE	FRP	FIBERGLASS REINFORCED	QTY	QUANTITY
A.F.F.	ABOVE FINISH FLOOR		PLASTIC		
AHJ	AUTHORITY HAVING JURISDICTION	FT	FEET	RA	RETURN AIR
ALUM	ALUMINUM			RCP	REFLECTED CEILING PL
AMP	AMPERES	GA	GAUGE, GAGE	RD	ROOF DRAIN
ANSI	AMERICAN NATIONAL	GALV	GALVANIZED	RE:, REF	REFER TO, REFERENCE
	STANDARDS INSTITUTE	GC	GENERAL CONTRACTOR	REINF	REINFORCING
ARCH	ARCHITECTURAL	GFI, GFCI	GROUND FAULT (CIRCUIT)		
		,	INTERRUPTER	REQD	REQUIRED
AV	AUDIO VISUAL	GPM	GALLONS PER MINUTE	REV	REVISION
				RM	ROOM
BD	BOARD	GRND	GROUND	RO	ROUGH OPENING
BFF	BELOW FINISH FLOOR	GW	GREASE WASTE	RTU	ROOF TOP UNIT
BKR	BREAKER	GYP BD	GYPSUM BOARD		
BLDG	BUILDING			SA	SUPPLY AIR
во	BOTTOM OF	НВ	HOSE BIB	SECT	SECTION
BRG	BEARING	HORIZ	HORIZONTAL	SF	SQUARE FEET
вти	BRITISH THERMAL UNIT	HT, H <i>G</i> T	HEIGHT	SIM	SIMILAR
		HTR	HEATER		
CJ	CONTROL JOINT	HVAC	HEATING, VENTILATION &	SGL	SINGLE
		1177.0	AIR CONDITIONING	SPEC	SPECIFICATION
G, CL	CENTERLINE	1 1117	HOTWATER	5.5.	STAINLESS STEEL
		HW	HOT WATER	99	SANITARY SEWER
CKT	CIRCUIT			STD	STANDARD
CLG	CEILING	IBC	INTERNATIONAL BUILDING CODE	STL	STEEL
CLR	CLEAR	ID	INSIDE DIAMETER	STRUCT	STRUCTURAL
СМИ	CONCRETE MASONRY UNIT	IN	INCHES	SURF	SURFACE
со	CLEANOUT	INT	INTERIOR		
COL	COLUMN			THRU	THROUGH
CONC	CONCRETE	J-BOX	JUNCTION BOX	TOT	TOTAL
CONN	CONNECT, CONNECTION			TO, T.O.	
CONT	CONTINUOUS	LBS	POUNDS	l '	TOP OF
		LF	LINEAR FEET	TSTAT	THERMOSTAT
COTG	CLEANOUT TO GRADE	LTG	LIGHTING	TYP	TYPICAL
CW	COLD WATER	LIG	LIGHTING		
			l	UG	UNDERGROUND
DBL	DOUBLE	MAX	MAXIMUM	UNO	UNLESS NOTED OTHER
DF	DRINKING FOUNTAIN	МВМ	METAL BUILDING		
DIA	DIAMETER		MANUFACTURER	VERT	VERTICAL
DIM	DIMENSION	МС	MECHANICAL CONTRACTOR	VTR	VENT THROUGH ROOF
DISC	DISCONNECT	MDP	MAIN DISCONNECT PANEL		I I I I I I I I I I I I I I I I I I I
DP	DEEP, DEPTH	месн	MECHANICAL	l _{w/}	WITH
DS D	DOWNSPOUT	MFR	MANUFACTURER		
DWG		MIN	MINIMUM	W/O	WITHOUT
אאט	DRAWING	MISC	MISCELLANEOUS	W	WASTE
				wco	WALL CLEANOUT
EA	EACH	MO	MASONRY OPENING	WH	WATER HEATER
EC	ELECTRICAL CONTRACTOR	MTD	MOUNTED	WP	WEATHERPROOF
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	MTL	METAL	WWF	WELDED WIRE FABRIC
EJ	EXPANSION JOINT	N/A	NOT APPLICABLE	XFRMR	TRANSFORMER
ELEV	ELEVATION	NEC	NATIONAL ELECTRICAL CODE	VI VIAIV	INAMOFURIVIER
		NIC	NOT IN CONTRACT		
ELEC	ELECTRICAL	NTS	NOT TO SCALE		
ENCL	ENCLOSURE	1110	THO TO SOME		-
EQ	EQUAL	04.04		NOTES:	
ETC	UNSPECIFIED ADDITIONAL ITEMS	0A, 0/A	OVERALL		IATIONS SHOWN MAY NO
EWC	ELECTRIC WATER COOLER	ос	ON CENTER		E TO THE PROJECT.
-	ELECTRIC WATER HEATER	OD	OUTSIDE DIAMETER		
EWH		OFCI	OWNER FURNISHED		
	EXHAUST			_	
EXH	EXHAUST FXISTING		CONTRACTOR INSTALLED		
EXH EXIST	EXISTING	ОН	CONTRACTOR INSTALLED		
EXH		OH OPNG	CONTRACTOR INSTALLED OVERHEAD OPENING		



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

April 22, 2024

REVISIONS
No. DATE NOTE

Drawn by: Checked by: Project No: April 22, 2024

Responsibility Matrix

Sheet:
G-006

EGRESS LEGEND EGRESS CALCULATIONS OCCUPANCY CALCULATIONS DESCRIPTION EGRESS FACTORS CALCULATION RESULTS OCCUPANT CALCULATED LOAD SQ. FT. AREA CLASSIFICATION OCCUPANTS OCCUPANT LOAD 15 15 (S.F./OCC.) SQUARE FOOTAGE EGRESS WIDTH PER OCCUPANT SERVED 0.2" 0.2" **RECEPTION 101** MERCANTILE 60 100 2 OCCUPANT LOAD OCC. LOAD X O.2" 3.0" EGRESS WIDTH REQUIRED MERCHANDISE 102 MERCANTILE 60 151 3 OCCUPANT LOAD FACTOR 36" 36" ACTUAL EGRESS WIDTH PROVIDED **SAUNA 103** BUSINESS 150 60 1 IBC, SECTION 1006.2.1 NUMBER OF EXITS REQUIRED LONGEST DISTANCE TO THE NEAREST EXIT DOOR RED LIGHT 104 BUSINESS 150 60 1 NUMBER OF EXITS PROVIDED 150 **SAUNA 105** BUSINESS 60 4708 N. FM. 1417 Sherman, Texas 75092 903.813.1415 EGRESS ROUTE MAXIMUM TRAVEL DISTANCE ALLOWED IBC, TABLE (1017.2) 100' SAUNA 106 BUSINESS 150 57 1 **SAUNA 107** BUSINESS 150 57 1 SOCIAL SAUNA 108 BUSINESS 150 86 1 LIFE SAFETY NOTES EMERGENCY / EXIT LEGEND 150 1 ADA SAUNA 109 BUSINESS 117 **RED LIGHT 110** BUSINESS 150 57 1 QUANTITY 1. G.C. TO PROVIDE AND INSTALL ACCESSIBLE SIGNAGE IN ACCORDANCE WITH THE DESCRIPTION **RED LIGHT 111** BUSINESS 150 70 1 TEXAS ACCESSIBILITY CODE. 2. G.C. TO COORDINATE INSTALLATION REQUIREMENTS OF FIRE EXTINGUISHERS WITH N/A RESTROOM 112 N/A N/A 43 EXIT SIGNAGE. REFER ELECTRICAL DRAWINGS 12 LOCAL FIRE DEPARTMENT. ADA RESTROOM 113 N/A N/A N/A 73 EXIT SIGNAGE WITH EMERGENCY LIGHTING. 300 UTILITY 114 STORAGE 122 1 REFER ELECTRICAL DRAWINGS April 22, 2024 HALLWAY 115 N/A N/A 234 N/A FIRE EXTINGUISHER: 10LB ABC DRY CHEMICAL (IN 2 TOTAL BUILDING OCCUPANTS 15 CABINET SEMI-RECESSED IN WALL) Sauna RESTROOM ADA RESTROOM RED LIGHT MERCH SAUNA SAUNA ADA SAUNA 11'-9" 45' 29'-5" 37'-4" 63'-9" 60 117 60 60 151 EXIST. 2HR RATED FIRE 150 150 60 BARRIER PER UL #U419 ight 150 150 REF DETAIL F1/A-503 ADJACENT PROPERTY <u>г</u>-La-----FRONT ENTRANCE

70 150

64'-5"

300

UTILITY76'-4"

ADJACENT PROPERTY

86 150

SOCIAL SAUNA

56'-10"

57 150

SAUNA

33'

RED LIGHT

57 150 **1**

SAUNA

25'-10"

- EXIST. 2HR RATED FIRE BARRIER PER UL #U419 REF DETAIL F1/A-503

100

60 3

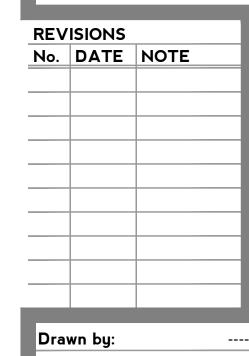
RECEPTION

17'-8"

PLAN - LIFE SAFETY & EGRESS

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

beem
2070 NW I
Lee's S



Checked by: Project No: April 22, 2024

Plan - LS & Egress

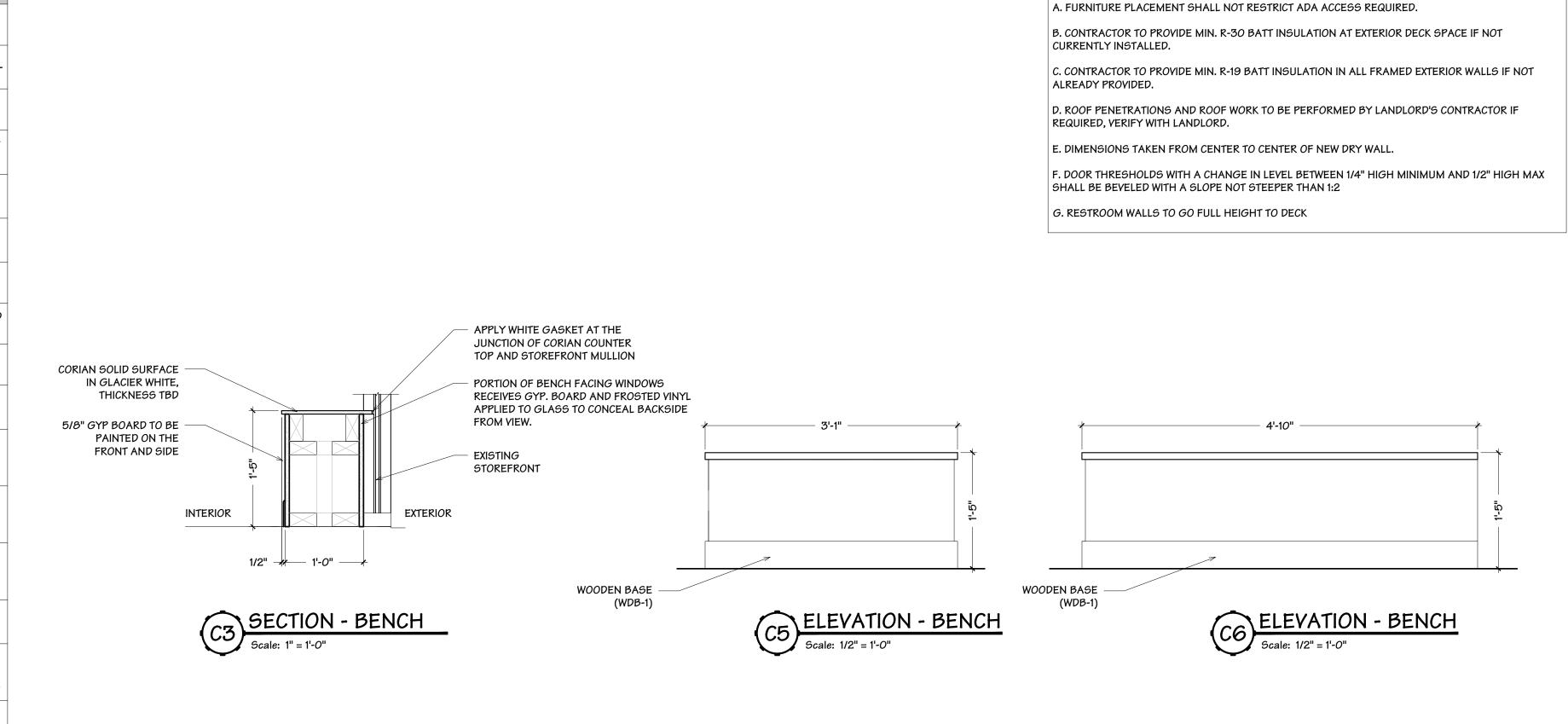
A-100

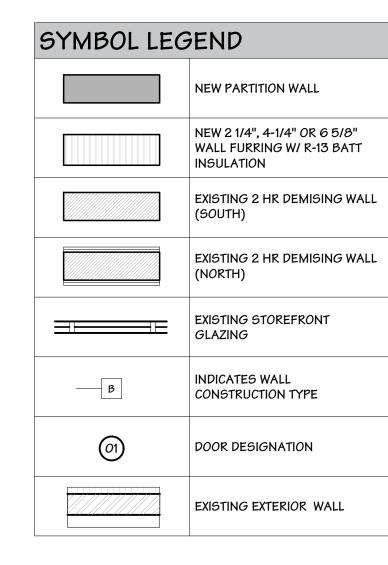
SYMBOL LEGEND GENERAL NOTES EXISTING 2 HR DEMISING WALL 1. ELECTRICAL SERVICE - LL TO PROVIDE ONE 120/208 VOLTS, 400 AMP SERVICE INSTALLED AT LEASED PREMISES. PANELS SHALL CONSIST OF TWO 400 AMP PANELS INCLUDING BREAKERS FED FROM DISCONNECT (SOUTH) SWITCHES. LANDLORD, AT LANDLORDS SOLE COST, WILL SEPARATE THE ELECTRICAL PANELS WITHIN THE SUITE FOR TENANT. DUPLEX OUTLETS ABOVE STOREFRONT AT 10'-O" OR AS REQUIRED BY CODE. CONDUIT PROVIDED FOR ONE (1) CIRCUIT FOR TENANT SIGNAGE LOCATED ABOVE FRONT WALL. TENANT WILL CONTACT UTILITY EXISTING 2 HR DEMISING WALL COMPANY AND HAVE THE SERVICE PLACED IN TENANT'S NAME UPON DELIVERY OF LEASED PREMISES. (NORTH) 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 EXISTING STOREFRONT PRIVATE SUB-METER. ALL COSTS ASSOCIATED WITH MOVING THE EXISTING PLUMBING/WATER SERVICE GLAZING CURRENTLY INSTALLED ARE THE TENANT'S SOLE COST AND RESPONSIBILITY. 4708 N. FM. 1417 Sherman, Texas 75092 903.813.1415 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 EXISTING EXTERIOR WALL 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" April 22, 2024 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. ADJACENT PROPERTY OPENING TO BE FRAMED IN BY LL OPENING TO BE FRAMED IN BY LL EXISTING STRUCTURAL STEEL COLUMN WITHIN DEMISING WALL 0 20 EXISTING 2 HR DEMISING WALL **REVISIONS** No. DATE NOTE EXISTING STOREFRONT AND STOREFRONT DOOR - EXISTING PLUMBING LEAVÉ OUT - EXISTING STRUCTURAL STEEL COLUMN 5" → ∤/ (2) 400A ELECTRICAL PANELS PROVIDED BY LL - 36'-0 1/2" -EXISTING 2 HR DEMISING WALL Drawn by: Checked by: Project No: April 22, 2024 ADJACENT PROPERTY Plan - Existing **SUITE 'B'** AREA = 1,549 SQ. FT **A-101**

KEY NOTE#	FLOOR PLAN KEY NOTES &
1	(2) 400A ELECTRICAL PANELS PROVIDED BY LL. SEE ELECTRICAL FOR MORE DETAILS.
2	PROVIDE NEW HOT WATER HEATER ABOVE CEILING - SEE PLUMBING PLAN ON SHEET P1.O. GC TO PROVIDE SHELF AND SUPPORTS FOR HOT WATER HEATER - REFER TO SHEET A-502.
3	PROVIDE FIRE EXTINGUISHER: 10LB CLASS ABC FIRE EXTINGUISHER, SEMI-RECESSED IN CABINET. MOUNTED BETWEEN 36"-48" A.F.F.
4)	NEW ADA ACCESSIBLE RESTROOM, INCLUDING THE FOLLOWING: 18" VERTICAL GRAB BAR, 36" AND 42" HORIZONTAL GRAB BAR, MIRROR AND PLUMBING FIXTURES. REFER TO SHEET A-113, A-201, E1.0 FOR DETAILS.
5	PROVIDE RECEPTION DESK. PROVIDE POWER/DATA THROUGH CONDUIT IN THE FLOOR (WILL BE MOUNTED ON INSIDE OF DESK) STANDARD. REFER TO ENLARGED PLAN 'A5' AND DETAILS ON SHEET A-501.
6	PROVIDE LOWER CABINETS WITH UNDER-COUNTER REFRIGERATOR (OFCI). REFER TO ELEVATIONS ON SHEET A-202, DETAILS ON A-501
7	BEEM ACRYLIC SIGN (OFOI) AT 65" A.F.F. REFER TO ELEVATIONS ON SHEET A-202.
8	PROVIDE LOWER CABINETS WITH UNDER-COUNTER REFRIGERATOR (OFCI) AND APPAREL RACKS (CFCI).
9	INSTALL MERCHANDISE RACK (CFCI). SPACE 4.75" FROM EACH OTHER. SECURE TO WALL. PROVIDE BLOCKING (72"W X 6H" @ 96" O.C.).
10	INSTALL LUUMI SCREEN (OFCI). MOUNT AT 37.5" A.F.F. PROVIDE WALL BACKING (18"W X 30"H 37" A.F.F.). REFER TO ELEVATIONS ON SHEET A-202 AND SHEET E1.0 FOR ELECTRICAL REQUIREMENTS.
11)	INSTALL 3" - 4" F.T. PLYWOOD BACKING BEHIND GYP. BD. (22"W x 65"H @ 12" A.F.F). PROVIDE BACKLIT ADA SAUNA MIRROR AT 12" A.F.F. VERIFY IN FIELD WITH TENANT. PROVIDE RECESSED OUTLET AS SHOWN ON SHEET E1.0.
12	INSTALL 3"- 4" F.T. PLYWOOD BACKING (28" X 28" @ 40" A.F.F.) BEHIND GYP. BD. PROVIDE NEW RESTROOM MIRROR PER ELEVATIONS ON SHEET A-201. PROVIDE RECESSED OUTLET WITHIN STUDS CENTERED BEHIND MIRROR. REFER TO SHEET E2.0. FOR ELECTRICAL REQUIREMENTS.
(13)	INSTALL 3"- 4" F.T. PLYWOOD BACKING BEHIND GYP. BD. (48"W x 80"H @ 4" A.F.F.) FOR HALLWAY MIRROR (CFCI) AND BEEM LIGHTED SIGN (OFOI) 8" ABOVE MIRROR. VERIFY IN FIELD WITH TENANT. PROVIDE POWER ABOVE CEILING OF ADJACENT ROOM. REFER TO ELEVATIONS ON SHEET A-202.
14)	SAUNA (OFOI) MINIMUM 4" FROM WALL. PROVIDE POWER AS SHOWN ON SHEET E1.0.
(15)	INSTALL COAT HOOKS (OFCI). PROVIDE BLOCKING IN WALL (24"W X 8"H @ 5'-0" A.F.F.) CENTERED WITHIN THE CORNER AND DOOR FRAME (TYPICALLY UNLESS SHOWN OTHERWISE), EXCEPT IN ADA SAUNA, INSTALL AT 4'-0" A.F.F.
16	INSTALL WALL TIMER (OFCI) AT 2-1/2" ABOVE SWITCHES CENTERED ON SWITCH PLATE. VERIFY LOCATION WITH OWNER. ADHERE TO WALL WITH MAGNETS (OFCI).
17)	PROVIDE BLOCKING (24" X 24" @ 36" A.F.F.). INSTALL ROBE HOOK KIT. VERIFY LOCATION WITH BUILDOUT MANAGER.
18	INSTALL WASHER/DRYER AND DRYER/DRYER (OFCI). PROVIDE PLUMBING AND POWER AS SHOWN ON SHEET P1.0 AND E1.0.
(19)	PROVIDE SHOWER FIXTURE AND ADA FOLDING SEAT. REFER TO PLUMBING SCHEDULE ON SHEET P1.0 AND ACCESSORY SCHEDULE ON SHEET A-113. RECESS SLAB FOR SHOWER. PROVIDE TRENCH DRAIN PER PLUMBING DRAWINGS ON SHEET P1.0.
20)	PROVIDE UTILITY SINK PER PLUMBING PLAN ON SHEET P1.0. PROVIDE WHITE FRP ON WALLS BEHIND UTILITY SINK @ 48" A.F.F. AND EXTEND 12" BEYOND CABINET ON BOTH SIDES. CONTRACTOR TO PROVIDE RATED OUTLET AND JUNCTION BOXES IN ALL RATED WALLS.
21)	NOT USED
22	PREP/LAUNDRY TABLE BY OWNER.
(23)	INSTALL 3"-4" F.T. PLYWOOD BACKING (28" X 28" @ 48" A.F.F.) BEHIND GYP. BD. PROVIDE NEW MIRROR. PROVIDE RECESSED OUTLET WITHIN STUDS CENTERED BEHIND MIRROR. REFER TO SHEET E2.0. FOR ELECTRICAL REQUIREMENTS.
24	BUILT-IN BENCH (20"D X 17"H), FRAMED, DRY-WALLED AND PAINTED ON BASE WITH CORIAN SOLID SURFACE IN GLACIER WHITE (DRY-WALLED ON ALL

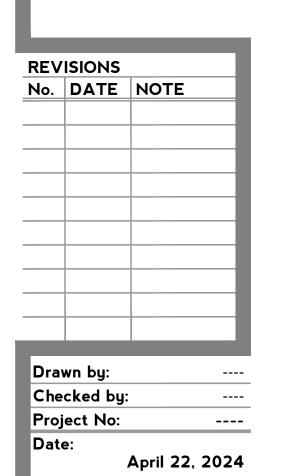
NOT USED

EXISTING 2HR RATED DEMISING WALL









Plan - Floor

A-110

2'-2 1/2" — RECEPTION 2'-0 1/2" — FRONT DOOR SAUNA LOCATION OF SECURITY CAMERA STEEL COLUMN ADJACENT PROPERTY

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

LOCATION OF

SECURITY CAMERA

LOCATION OF ——/ SECURITY CAMERA

STEEL COLUMN

RED LIGHT

SAUNA (14)

HALLWAY

ADJACENT PROPERTY

1'-4 1/4" -

ADA SAUNA

GENERAL NOTES

RCP LEGEND SYMBOL MAKE/MODEL DESCRIPTION CEILING DETAIL FINISH
HEIGHT AFF CEILING ELEVATION SUPPLY DIFFUSER, REF: MEP RETURN AIR GRILL, REF: MEP EXHAUST FAN, REFER MECHANICAL M1.0 EXIT LIGHT W/ BATTERY EXIT PACK, REF: MEP WALL MOUNTED EMERGENCY LIGHT, REF: CHANDELIER, REF: MEP. MODEL# VMP 25030BL; VENDOR: VONN HALO HC410D010 RECESSED 4" 3500K, WHITE TRIM RECESSED DOWN LIGHT, OR SUBSTANTIALLY SIMILAR ALTERNATE REF: MEP HALO HC610D010 RECESSED 6" 3500K, WHITE TRIM | RECESSED DOWN LIGHT, OR SUBSTANTIALLY SIMILAR ALTERNATE REF: MEP COLOR SELECTABLE LED PLT-90270 3500K; 60LOR: WHITE SUSPENSION LIGHT FIXTURE TAPE LIGHT IN BARREL HALLWAY CHANNELS - SOLD _____ WYZE LIGHT STRIP PRO IN 16.4' OR 32.8' KITS-TRIMMABLE DIMMER SWITCH CEILING TILE 'ACT-1': VENDOR - ARMSTRONG MODEL - DUNE 1852 COLOR - WHITE BEVELED TEGULAR 9/16" 24" X 24" ACOUSTIC CEILING GRID AND TILE SYSTEM ACOUSTICAL CEILING TILES - 5/8" THK. CEILING GRID 'GRID-1': VENDOR - ARMSTRONG MODEL 'T' GRID; COLOR - WHITE; SIZE - 9/16" OR SUBSTANTIALLY SIMILAR ALTERNATE NEW GYPSUM BOARD CEILING USG OR EQUIVALENT 2 LAYERS OVER FLEX-C METAL SURFACE USG OR EQUIVALENT WALL MOUNTED SPEAKER \bigvee_{V} OWNER (OFOI)

GENERAL RCP NOTES

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.

5. BOTTOM OF CHANDELIERS AT 9'-O" A.F.F.; TYP.

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'-O" AFF, IF LOW HANGING UTILITY PIPES IN THE AREA ARE ENCOUNTERED.

KEY RCP NOTES

1. PROVIDE NEW GRID (GRID-1) AND ACOUSTICAL TILES (ACT-1). REFER TO SHEET A-114.

2. INSTALL SPEAKERS (OFOI) AT 84" A.F.F. PROVIDE POWER AS SHOWN ON SHEET E1.0

3. EXISTING EXTERIOR LIGHTING TO REMAIN. GC TO CONFIRM EXISTING EXTERIOR

LOCATION. REFER TO SHEET E1.O.

4. EXTERIOR SIGN JUNCTION BOX TO BE BROUGHT WITHIN 5 FEET OF THE PROPOSED STOREFRONT SIGN

4708 N. FM. 1417 Sherman, Texas 75092 903.813.1415

April 22, 2024

auna beem
2070 NW L
Lee's Si

REVISIONS No. DATE NOTE

Drawn by: Checked by: Project No: Date: April 22, 2024

Plan - RCP

Sheet: A-112

ADJACENT PROPERTY SHOWER -SHOWER -SAUNA SAUNA RED LIGHT ADA RESTROOM RESTROOM ADA SAUNA MERCH ACT-1 10'-0" AFF ACT-1 10'-0" AFF ACT-1 GYP, BD. CLG. 9'-0" ACT-1 10'-0" AFF 10'-0" AFF GYP. BD. CLG 8'-0" AFF GYP. BD. CLG. 9 12 2" A.F.F. 6YP.BO.CLG. 12'-0" AFF LED LIGHT LED LIGHT CHANNEL HALLWAY @ 8' A.F.F @ 8' A.F.F RECEPTION GYP. BD. CLG. 12'-2" A.F.F. 101 SOCIAL SAUNA REDLIGHT RED LIGHT SAUNA **SAUNA** 114 0'-0" AFF ACT-1 10'-0" AFF ACT-1 10'-0" AFF ACT-1

ADJACENT PROPERTY

PLAN - REFLECTED CEILING

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

		Y SCHEDULE X			
MARK	DESCRIPTION	MANUFACTURER & MODEL #	COLOR/FINISH	SUPPLIED	INSTA
1	WASTE RECEPTACLE	ROOM ESSENTIALS #064-05-2769 @ TARGET	CLEAR 10.5"H x 8.5"W	OWNER	OWN
2	TOILET PAPER DISPENSER	TASTOS #BO8FWQBQS5 @ AMAZON.COM	MATTE BLACK 7.32 x 3.62 x 2.28	GC *	G
3	SOAP DISPENSER	CONTAINER STORE #10080651	MATTE BLACK 6.5 OZ	OWNER	OWN
4	PAPER TOWEL DISPENSER	ESSENTIALLY YOURS #B07PM&QRZ3 @ AMAZON.COM	BLACK 12.17 X 8.46 X 5.04	GC *	G
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	G
7	GRAB BAR CONCEALED MOUNT - 36"	STAINLESS STEEL 11/4" - 2" MAX O.D.	MATTE BLACK AND ROUND TRIM (FOR ALL GRAB BAR)	GC	G
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	G
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	G
9A	GRAB BAR CONCEALED MOUNT - 60"	STAINLESS STEEL 11/4" - 2" MAX O.D.	MATTE BLACK AND ROUND TRIM (FOR ALL GRAB BAR)	GC	G
10	ROBE HOOKS & TOWEL BAR KIT	LAIRUIER #B07WN3F93N @ AMAZON.COM	MATTE BLACK	GC	G
11	ACCESSIBLE WALL- MOUNTED FOLDING SEAT	TEAKWORK94U PTBF-320160W	NATURAL	GC	G
12	SOAP & SHAMPOO DISPENSER	ZERODIS BO8HV21PQ2 @ AMAZON.COM	BLACK	GC	G
13	TALL BACKLIT MIRROR	HANS & ALICE #B07FQLH797	21.7"W X 65" W MOUNT @ 12" A.F.F.	GC	G
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	G
14	REGULAR SAUNA	SYMMETRY SAUNA	REFER 'SYMMETRY SAUNA' MARK 1 SPEC SHEET	OWNER	OWN
15	SOCIAL SAUNA	SYMMETRY SAUNA	REFER 'SYMMETRY SAUNA' ADA SPEC SHEET	OWNER	OWN
16	SAUNA CHAIR	SVELTI #11627	DUSTY PINK	OWNER	OWN
17	SAUNA SIDE TABLE	WEST ELM #3955376 FLUTED SIDE TABLE	WHITE	OWNER	OWN
18	LIGHT THERAPY MACHINE, STAND & BED			OWNER	G
19	TIMER	VOCOO #BO8M95B91P	3.07 X 1.06	OWNER	G
20	COAT HOOKS	WEST ELM PONTO WALL HOOKS	MULTI	OWNER	G
21	RECEPTION DESK CHAIR	ARTICLE #12162	WHITE	OWNER	OWN
22	LUUMI SCREEN	18"W X 30"H X 1.8"D VERIFY POWER HEIGHT		OWNER	G
23	TOWEL & BEVERAGE REFRIGERATOR	23.63"W x 33.5"H 23.5"D	SILVER	OWNER	G
24	SPEAKER & MOUNTS		SPEAKER OUTLETS TO BE NO MORE THAN 2" OFF THE WALL CORNER	OWNER	OWN
25	MERCHANDISE RACK	CRATE & BARREL #386941 STAIRWAY BOOKCASE	WHITE	GC	G
26	APPAREL RACK	40" W X 1.25" DIA. KROFT.CO HANGING CLOTHES RACK MEDIUM	WHITE	GC	G
27	BEEM ACRYLIC SIGN	55" W X 25" H X 1/2" DIA. INSTALL AT 65" A.F.F.	WHITE	OWNER	OWN
28	LAUNDRY TABLE			OWNER	OWN
29	HALLWAY MIRROR	48"W X 78"H INSTALL ABOVE WOOD BASE	1" RADIUS CORNERS	GC	G
30	ACCESSIBLE SIGNAGE	REFER TO DETAIL A4/A-501		GC	G
31	beem ILLUMINATED SIGN	35"W x 10.75"H REQUIRES J-BOX		OWNER	OWN
32	STACKING DRYER	ABOVE CEILING OF ADJACENT ROOM SPEED QUEEN #LSEE5AGS173TW01		OWNER	G
32A	STACKING WASHER/DRYER	SPEED QUEEN #LTEE5ASP175TW01		OWNER	G
33	TEMPERED GLASS	TBD	FRAME: MATTE BLACK	GC	G
34	PARTITION UTILITY SINK	GLACIER BAY ALL-IN-ONE INTERNET # 206057007	STAINLESS STEEL SINK WITH WHITE CABINET	GC	G
 35	RECEPTION BENCH	MODEL # QLO33Y BUILT-IN BENCH	CORIAN SOLID SURFACE TOP IN GLACIER WHITE,	GC	G

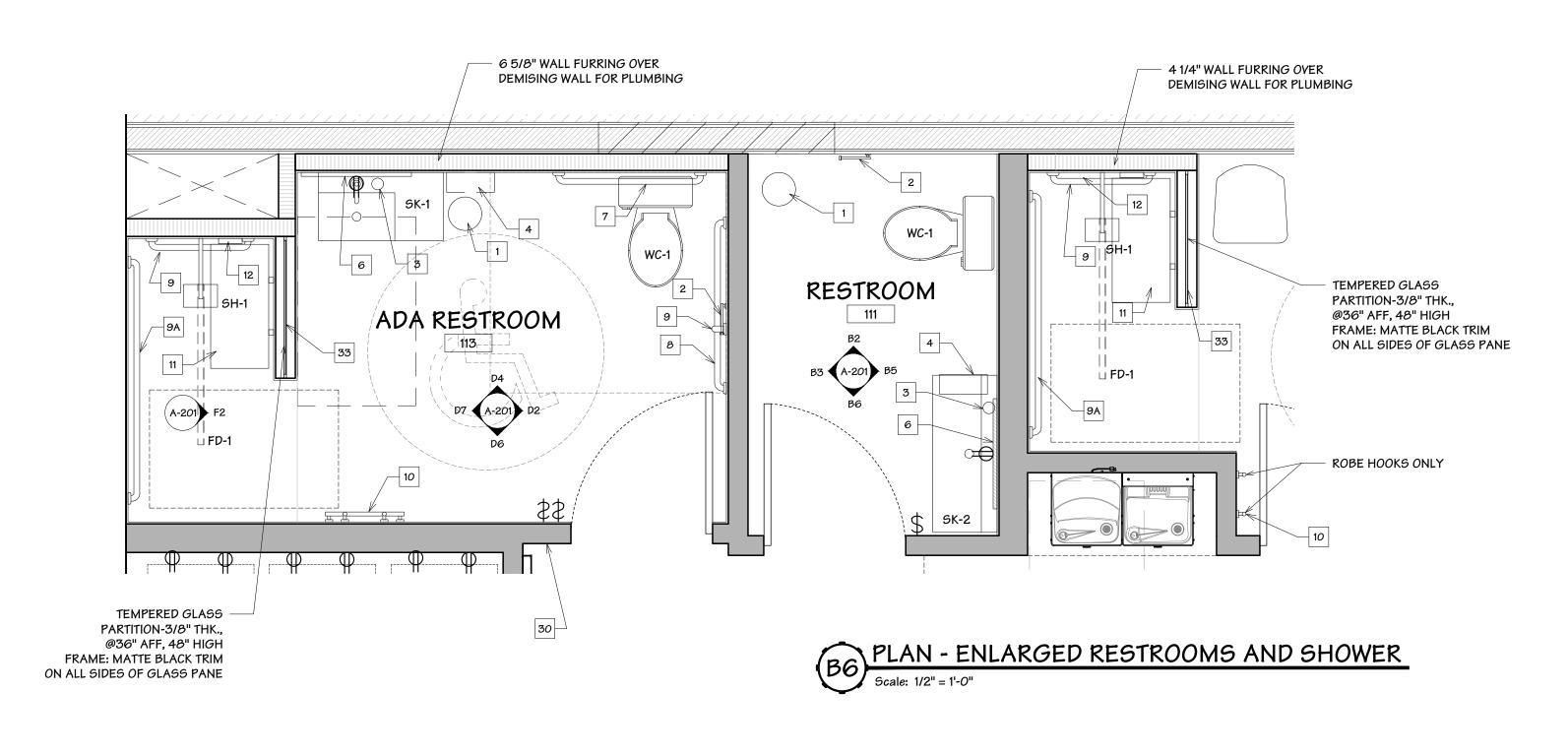
*CONFIRM WITH STUDIO BUILDOUT MANAGER BEFORE PURCHASING. ACCESSORIES MAY BE PROVIDED AND INSTALLED BY OTHERS.

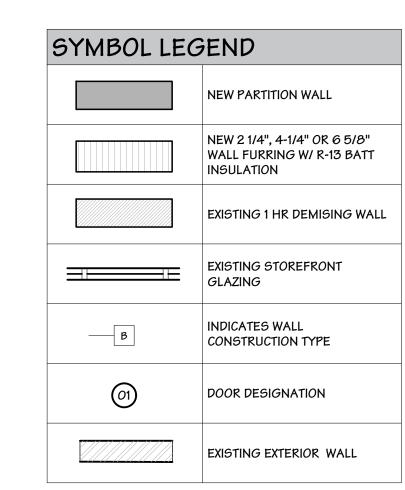
RESTROOM NOTES: NOTE 1: INSTALL 3 1/2" SOUND INSULATION BATTS IN NEW WALLS AROUND TOILET ROOM(S) - TYPICAL.

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.

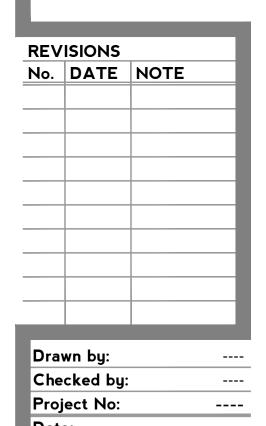








Sauna **be**



Date: April 22, 2024

Plan - Furniture

F6 (A-202)

RECEPTION

A-113

RED LIGHT

SAUNA

SAUNA

UTILITY

ADA RESTROOM

RED LIGHT

ADA SAUNA

SOCIAL SAUNA

FINISH SCHEDULE GENERAL NOTES: 1. USE MOLD RESISTANT GWB-3 ON WALLS AND GCB-2 ON 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 CEILING IN WET AREAS. UPWARD ONTO THE WALLS AT LEAST 6 INCHES. 2. REFER TO FINISH PLAN ON SHEET A-114 FOR FINISH B. PROVIDED WATER-RESISTANT GYPSUM BOARD, GREEN BOARD, OR OTHER APPROVED MATERIAL ON LOCATIONS. THE WALLS IN RESTROOMS. C. WALL IN RESTROOMS WITHIN 2 FEET OF THE FRONT AND SIDES OF URINALS AND WATER CLOSETS SHALL HAVE SMOOTH, HARD NON-ABSORBENT SURFACE TO A HEIGHT OF 4 FEET. D. DO NOT INSTALL VINYL BASE ON TILE VENEER. MANUFACTURER & MODEL # PRODUCT DETAIL COLOR/FINISH SUPPLIED INSTALLED FLOOR FINISHES POLISH TO 1500-GRIT. INCLUDE A CON-1 DENSIFIER TREATMENT PER SEALER FINISH: SEALER: AMERIPOLISH SP E GC SEALED CONCRETE MANUFACTURER GUIDELINES. CLEAR FINISH WITH A SEALER. COASTAL IVORY BLEND 1" HONED MARAVILLA MARBLE MOSAIC TILE FT-1 MARBLE MOSAIC; 1/16" JOINT GC GC MAPEI 93 WARM GRAY (SHOWER) MOSAIC FLOOR TILE MORTAR: MAPEI KERAFLEX PLUS WHITE MORTAR SEAL GAPS BETWEEN BASE AND MATCH WALL COLOR GC 1X4 PAINT GRADE WOOD CONCRETE FLOOR; COLOR TO WOOD BASE SEMIGL0SS MATCH PAINT COLOR WALL FINISHES INSTALL OVER CB-1; MORTAR: 1/16" GROUT: MAPEI MONTAGE 12X12 BALLET GLASS PENNY MAPEI ADESILEX-P10 PREMIUM WT-1 GC FLEXCOLOR 3D PRE-MIXED MOSAIC (RESTROOM) WALL TILE WITH MAPEI KEROPLY LATEX 201 CRYSTAL MOON ADDITIVE DALTILE 16X32 SCULPTURE GREY PO35 (RESTROOM & SHOWER) 3/16" GROUT: MAPEI 93 WT-2 INSTALL OVER CB-1; RUNNING ORDER FROM: WARM GREY GC WALL TILE NATIONAL.ACCOUNTS@DALTILE.COM BOND; USE SRT-1 & SST-1 MATTE FINISH 877-556-5728 FOR BEEM INVENTORY AND PREFERRED PRICING SRT-1 SCHLUTER RONDEC TILE EDGE TRIM -ROUNDED REVEAL SURFACE AT SATIN ANODIZED GC WALL TRIM ROUNDED OUTSIDE TILE CORNERS ALUMINUM SST-1 SCHLUTER SCHIENE TILE EDGE TRIM -FINISH EDGE WHERE TILE EDGE SATIN ANODIZED GC WALL TRIM ROUNDED EXPOSED ALUMINUM PROMAR 200 ZERO VOC ACRYLIC PT-1 **SW-7005 PURE WHITE** SHERWIN WILLIAMS (DESK TRIM) GC WALL PAINT LATEX COLOR-MATCH TO PT-2 PROMAR 200 ZERO VOC ACRYLIC SHERWIN WILLIAMS (FIELD) GC GC BENJAMIN MOORE WALL PAINT LATEX OC-22 CALM COLOR-MATCH TO PT-3 PROMAR 200 ZERO VOC ACRYLIC SHERWIN WILLIAMS (ACCENT) GC BENJAMIN MOORE WALL PAINT LATEX CSP-20 WALL STREET GWB-1 5/8" TYPE "X" USG OR EQUAL GYPSUM ASTM C36 GC PAINT GYP BOARD WALL BOARD GWB-2 5/8" TYPE "X" USG OR EQUAL GYPSUM GC FIRE-RESISTANT GC PAINT GYP BOARD WALL BOARD 5/8" TYPE "X" USG OR EQUAL GYPSUM GWB-3 MOLD-RESISTANT ASTM C1396 PAINT GC GC GYP BOARD WALL BOARD CEMENT BOARD WITH WOVEN CB-1 USG OR EQUAL 1/2" CEMENT BOARD GC GYP BOARD GLASS FIBER MESH MARLITE STANDARD FRP -FRP FIBERGLASS REINFORCED PANEL P100 WHITE OR EQUAL GC GC PEBBLED SURFACE CEILINGS GRID-1 GC ARMSTRONG T-GRID 9/16" WHITE GC CEILING GRID 24" X 24" LAY-IN CEILING, BEVELED ACT-1 ARMSTRONG DUNE GC WHITE CEILING TILE MODEL #: 1852 TEGULAR 9/16", 5/8" THICK GCB-1 1/2" TYPE "X" USG OR EQUAL GYPSUM ASTM C36 PAINT GC GYP BOARD 1/2" TYPE "X" USG OR EQUAL GYPSUM GCB-2 GC MOLD-RESISTANT ASTM C1396 PAINT GC BOARD (WET AREAS) GYP BOARD GCB-3 USG OR EQUAL 1/4" FLEXIBLE GYPSUM 2 LAYERS INSTALLED OVER FLEX-C PAINT GC GC GYP BOARD METAL SURFACE CASEWORK FORMICA 9244-58 STANDARD HIGH-PRESSURE GC **FORMICA** GC PLASTIC LAM. LAMINATE CLASSIC WHITE GC CORIAN GC 1/2" THK. 100% ACRYLIC GLACIER WHITE

SOLID SURFACE

FINISH PLAN NOTES

1. VERIFY FINAL FINISH SELECTIONS WITH OWNER PRIOR TO COMMENCING FINISH SCOPE OF WORK.

2. REFER TO RCP NOTES FOR LOCATION OF CEILING FINISHES

3. ORDER WT-2 (DALTILE 16X32 - SCULPTURE GREY) FROM NATIONAL.ACCOUNTS@DALTILE.COM; 877-556-5728 FOR BEEM INVENTORY AND PREFERRED PRICING.

MERCH

102 WDB-1 CON-1 PT-2

RECEPTION

WDB-1 CON-1 PT-2





April 22, 2024

auna beem 070 NW L Lee's S

REVISIONS No. DATE NOTE Drawn by: Checked by:

207

Project No: Date: April 22, 2024

Plan - Finish

A-114

SAUNA

103

WDB-1 CON-1

SAUNA

106

(WDB-1) CON-1)

PT-2

PT-2

RED LIGHT

104

WDB-1 CON-1

SAUNA

107

(WDB-1) CON-1)

PT-2

PT-2

SAUNA

105

WDB-1 CON-1

(PT-2)

RED LIGHT

110

(WDB-1) CON-1)

PT-3

PT-2

ADA RESTROOM RESTROOM

PT-3

WT-2
CON-1

(CON-1) (PT-2) (WDB-1) (WŢ-1)

SHOWER

₩**T-2** |

HALLWAY PT-2

RED LIGHT

(WDB-1)(CON-1)

(PT-2) PT-3)

CON-1 WDB-1

115

ADA SAUNA

109

WDB-1 CON-1

PT-2

SOCIAL SAUNA

PT-2

WDB-1 CON-1

SHOWER

WT-2 FT-1

UTILITY

114

WDB-1 CON-1

(FRP)

PT-2

	ROOM FINISH SCHEDULE																							
FLOOR BASE WALL CEILING REMARKS														REMARKS										
SEI SPI COI INF BUI ORI	DTE: E DIVISION 9 OF THE ECIFICATIONS, NTAINING IMPORTANT ORMATION RELATING TO LDING CODES, CITY DINANCES, MATERIALS D METHODS.	SEALED CONC. (CON-1)	SHOWER FLOOR TILE (FT-1)	EXISTING	WOOD BASE (WB-1)	EXISTING		MOSAIC WALL TILE (WT-1)	RR WALL TILE (WT-2)	SCHLUTER TRIM (SRT-1)	SCHLUTER TRIM (SST-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) (PT-2)	EXISTING	<i>G</i> RID-1 / ACT-1	GYP. BOARD (GCB-1/PT-2)	M.R. GYP. BRD (GCB-2/PT-2)	VAULT BD (GCB-3/PT-2)	OTS (PT-2)	EXISTING	INDICATES WHERE WALL FINISH OCCURS NORTH LSY SOUTH (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

- 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.
- B. PROVIDED WATER-RESISTANT GYPSUM BOARD, GREEN BOARD, OR OTHER APPROVED MATERIAL ON THE WALLS IN RESTROOMS.
- 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.

OCCURS ORTH LS OUTH ORIENTATION)	
	L
VALL BEHIND BED	
NOT BE SHOWN)	
VALL BEHIND BED	
NOT BE SHOWN)	L
VALL BEHIND BED	

REMARKS

- 1. USE MOLD RESISTANT GWB-3 ON WALLS AND GCB-2 ON CEILINGS IN WET AREAS.
- 2. REFER TO FLOOR PLAN ON SHEET A-114 FOR FINISH LOCATIONS.

			D	OOR	50	CHE	ED	UL	E								
		FRAME	HEAD/JAME	DOOR	:	RA	TING	;	H/	ARDV	VAR	Ē			TYPE	REMAR	KS
SPE CON INF BUI ORI	TE E DIVISION & OF THE ECIFICATIONS, NTAINING IMPORTANT ORMATION RELATING TO LDING CODES, CITY DINANCES, MATERIALS D METHODS.	WOOD FRAME EXISTING ALUM. STOREFRONT EXISTING FRAME	HEAD H1/JAMB J1 - DETAIL A7/A-501 HEAD H2/JAMB J2 - DETAIL A8/A-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	45 MINUTE	90 MINUTE	GROUP A	GROUP B1	GROUP B2	GROUP C	GROUP D (EXISTING)	GROUP E (STOREFRONT)			
101	RECEPTION					•								•			
102	MERCHANDISE																
103	SAUNA	•	•	•		•					•				В	1, 2	MARKED AS 03 ON A-110
104	SAUNA	•	•	•		•					•				В	1, 2	MARKED AS 03 ON A-110
105	SAUNA	•	•	•		•					•				В	1, 2	MARKED AS 03 ON A-110
106	SAUNA	•	•	•		•					•				В	1, 2	MARKED AS 03 ON A-110
107	SAUNA	•	•	•		•					•				В	1, 2	MARKED AS 03 ON A-110
108	SOCIAL SAUNA	•	•	•		•					•				В	1, 2	MARKED AS 03 ON A-110
109	ADA SAUNA	•	•	•		•					•				В	1, 2, 3	MARKED AS 03 ON A-110
	SHOWER																
110	RED LIGHT	•	•	•		•					•				В	1, 2	MARKED AS 03 ON A-110
111	RED LIGHT	•	•	•		•					•				В	1, 2	MARKED AS 03 ON A-110
112	RESTROOM	•	•	•	Ī	•				•					Α	1, 2	MARKED AS 04 ON A-110
113	ADA RESTROOM	•	•	•		•				•					Α	2, 3	MARKED AS 04 ON A-110
	SHOWER																
114	UTILITY/STORAGE	•	•	•		•						•			Α		MARKED AS 04 ON A-110
115	HALLWAY																

GENERAL NOTES

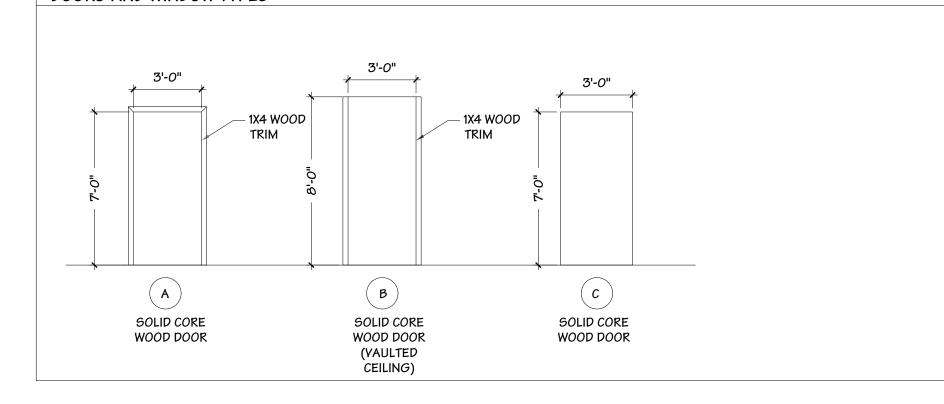
- A. ALL INTERIOR DOORS TO BE SMOOTH, FLUSH SOLID CORE, WOOD DOORS PREPPED FOR A PAINT FINISH, UNLESS NOTED OTHERWISE (U.N.O.).
- B. DOOR CLOSERS, LEVER HANDLES, ETC. TO MEET ADA REQUIREMENTS.
- C. REPLACE EXISTING WEATHERSTRIPPING ON EXTERIOR DOORS IF NOT SEALING DOOR FROM AIR & WATER PENETRATION.
- D. COORDINATE ALL KEYING WITH OWNER.

RE	MA	1R	KE	5

- 1. UNDERCUT DOOR 1.5" 2. SIGN COMPANY TO INSTALL DOOR SIGN.
- 3. INSTALL ACCESSIBLE DOOR SIGNAGE ON OUTSIDE OF ROOM. SEE NOTES ON SHEET A-113.
- 4. EXISTING PANIC HARDWARE TO REMAIN.

	MANUFACTURER & MODEL #	STYLE	COLOR/ FINISH	REMARKS
DOORS AN	ID FRAMES			
INTERIOR DOORS	-	SMOOTH, FLUSH SOLID CORE WOOD	PT-2 SATIN FINISH	SEE DETAIL
INTERIOR FRAMES	1X4 WOOD	-	PT-2 SEMI- <i>G</i> L0SS	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	MATCH BUILDING	ALATTE DI ACK EDALIE	FIXED GLAZING UNLESS
-	STANDARD OR EQUAL	STANDARDS	MATTE BLACK FRAME	OTHERWISE NOTED ON PLANS
HARDWAR	E GROUPS			
HARDWARE GROUP A	KWIKSET HALIFAX #740HFLRDT-5149 (OFFICE)	OFFICE SET SINGLE ACTION, LEVER TYPE	MATTE BLACK WITH CIRCLE TRIM	1-1/2 PAIR HINGES, SILENCERS, SURFACE CLOSER- MOUNT ROOM SIDE, WALL MOUNTED MATTE BLACK EVERBILT DOOR STOP
HARDWARE GROUP B1	KWIKSET HALIFAX #730HFLRDT-514 (RESTROOM)	PRIVACY SET SINGLE ACTION, LEVER TYPE	MATTE BLACK WITH CIRCLE TRIM	1-1/2 PAIR HINGES, SILENCERS, SURFACE CLOSER- MOUNT ROOM SIDE, WALL MOUNTED MATTE BLACK EVERBILT DOOR STOP
HARDWARE GROUP B2	KWIKSET HALIFAX #730HFLRDT-514 (RED LIGHT/SAUNA)	PRIVACY SET SINGLE ACTION, LEVER TYPE	MATTE BLACK WITH CIRCLE TRIM	1-1/2 PAIR HINGES, SILENCERS, WALL MOUNTED MATTE BLACK EVERBILT DOOR STOP
HARDWARE GROUP C	KWIKSET HALIFAX #720HFLRDT-514 (UTILITY/STORE)	PASSAGE SET SINGLE ACTION, LEVER TYPE	MATTE BLACK WITH CIRCLE TRIM	1-1/2 PAIR HINGES, SILENCERS, WALL MOUNTE MATTE BLACK EVERBILT DOOR STOP
HARDWARE GROUP D	EXISTING HARDWARE TO REMAIN	RE-KEY AT TURNOVER		
HARDWARE GROUP E	NEW HARDWARE PER MANUFACTURER	MATCH EXISTING STOREFRONT		

DOORS AND WINDOW TYPES



ARCHITECTURAL SPECIFICATIONS

DIVISION 3 CONCRETE

- 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

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 & 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".
- 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)
- CLASS C(FLAME SPREAD 76-200, SMOKE DEVELOPED 0-450) CORRIDORS 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.







April 22, 2024

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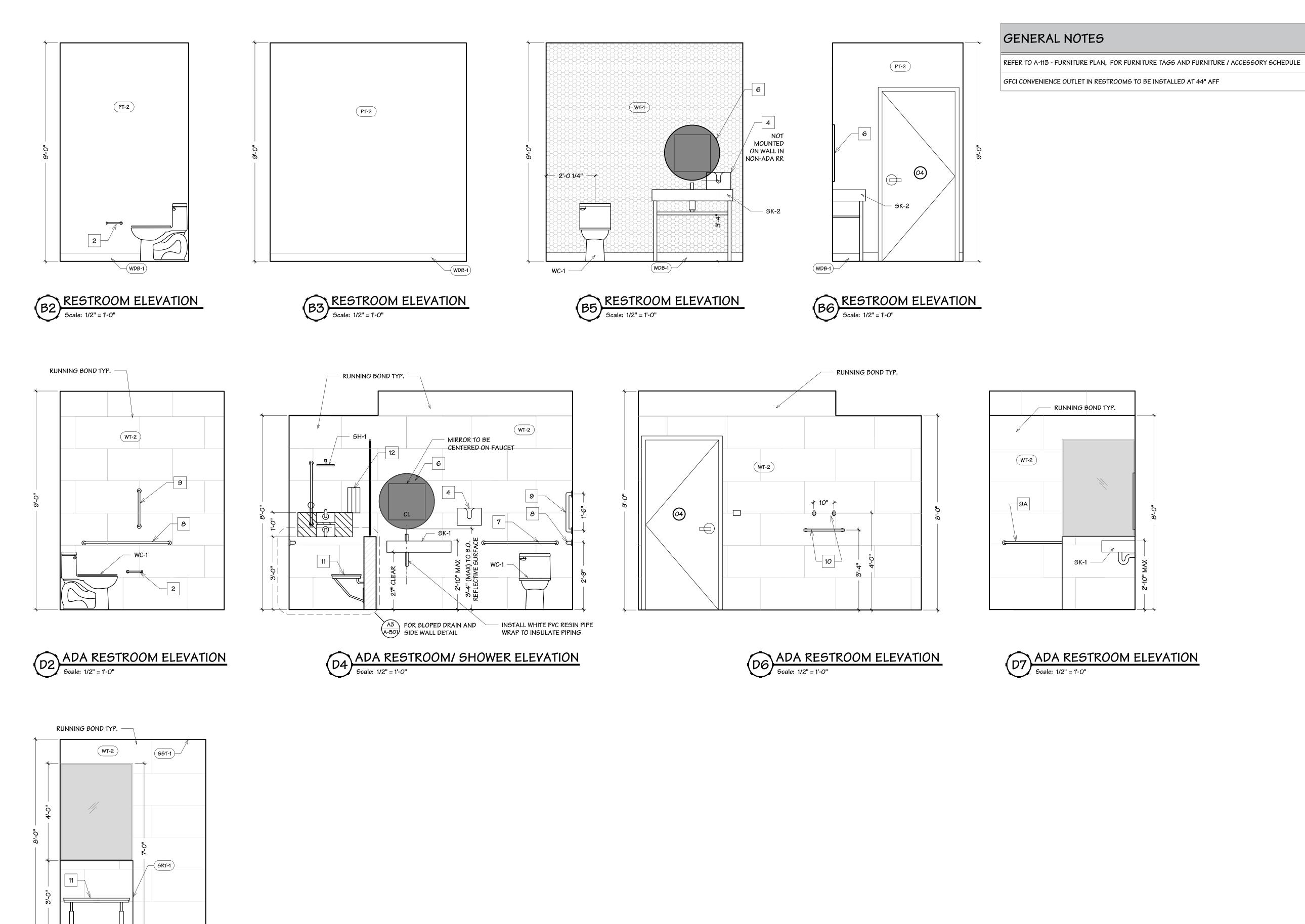
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REVISIONS No. DATE NOTE

Drawn by: Checked by: Project No: Date:

April 22, 2024

Schedule



F2 ADA RESTROOM SHOWER ELEVATION

Scale: 1/2" = 1'-0"

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



April 22, 2024

Sauna

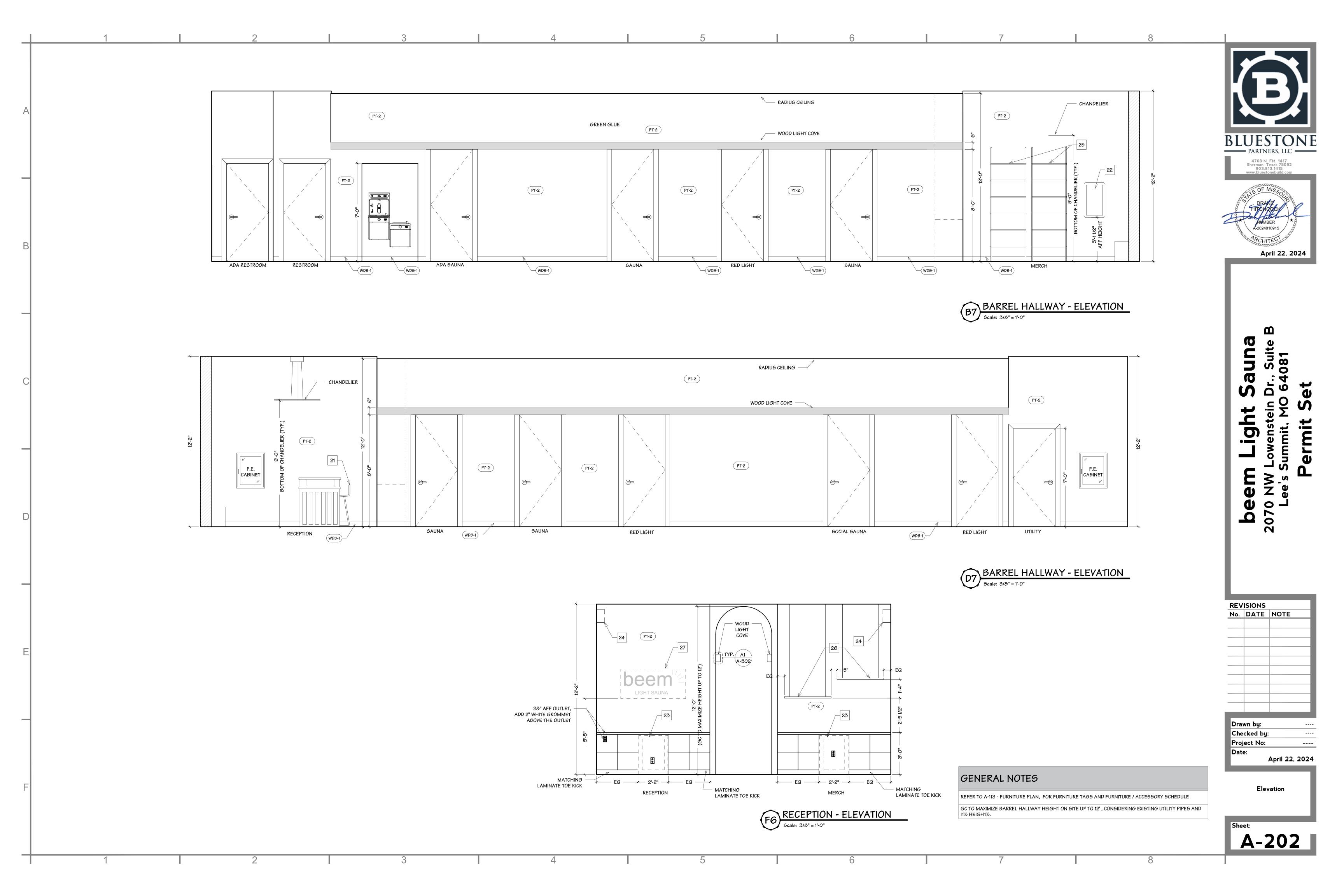
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Elevation - RR

A-201



GENERAL NOTES REFER TO A-113 - FURNITURE PLAN, FOR FURNITURE TAGS AND FURNITURE / ACCESSORY SCHEDULE 4708 N. FM. 1417 Sherman, Texas 75092 903.813.1415 www.bluestonebuild.com PT-2 PT-2 6 3/4" — PT-2 EQ. VARIES April 22, 2024 PT-2 EQ. VARIES VARIES OUTLET,/ SAUNA SAUNA **17** – MIN. DISTANCE BETWEEN WALL & SAUNA SAUNA ROOM ELEV. (NON-ADA)

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

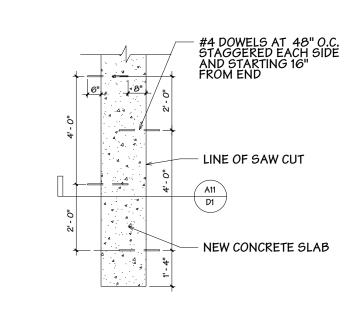
Scale: 3/4" = 1'-0" Sauna ROOM ELEY. (NON-ADA)

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

Scale: 3/4" = 1'-0" beem to the solution of the so PT-2 3'-9 3/4" - 5'-4 3/4" -**REVISIONS** No. DATE NOTE ___10 SAUNA SAUNA 20 OUTLET O.C OUTLET O.C Drawn by: Checked by: Project No: April 22, 2024 WDB-1 `----^ A3 FOR SLOPED DRAIN AND SIDE WALL DETAIL Elevation - Sauna ADA SAUNA ELEVATION

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

Scale: 3/4" = 1'-0" Sheet:
A-203





SAWCUT/POURBACK DETAIL

Scale: NTS

EXISTING CONCRETE SLAB

SAWCUT EXISTING CONC SLAB.

- PROVIDE VAPOR BARRIER BELOW NEW CONG.

- NEW PLUMBING PIPING OR CONDUIT

STUDS PER FLOOR PLAN

PROVIDE DOUBLE END STUDS BOTH ENDS

(3) 92 SELF TAPPING SHEETS METAL SCREWS AT EACH STUD

AT EACH STUD CUT STEEL TRACK

AND FLATTEN TO FORM FLANGE

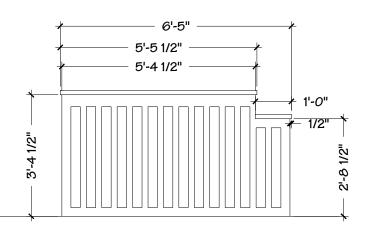
- 6" X 20 GA. FLAT STRAP STEEL

STEEL TRACK BACKING PLATE.

CUT AND BEND TO FIT STUDS.

NOTE: PROVIDE AT ALL ADA REQUIRED COMPONENTS, CASEWORK, SHELVING AND EQUIPMENT. BLOCKING SHALL SUPPORT A MINIMUM 250 POUND LOAD.

CONTINUOUS UNPUNCHED





RECEPTION DESK ELEVATION

Scale: NTS

12 GA VERTICAL

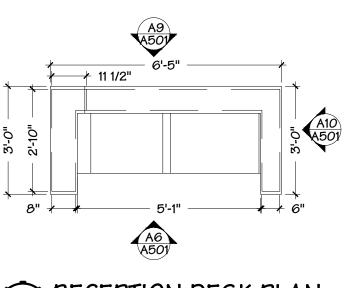
HANGER WIRE @

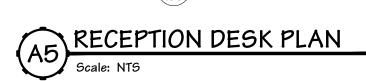
4'-0" O.C. (TYP)

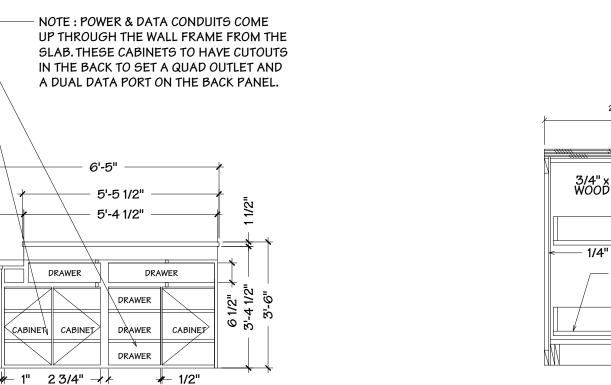
MAIN RUNNER -

CEILING GRID BRACING

Scale: NTS





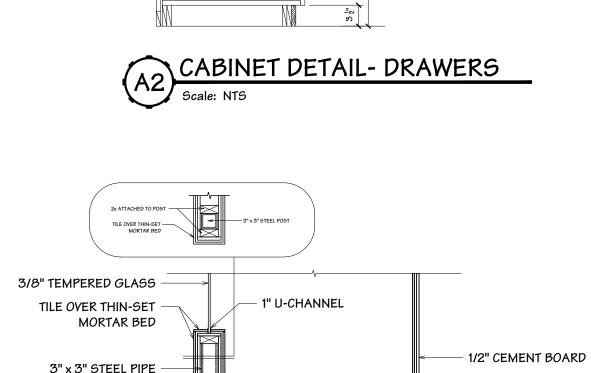


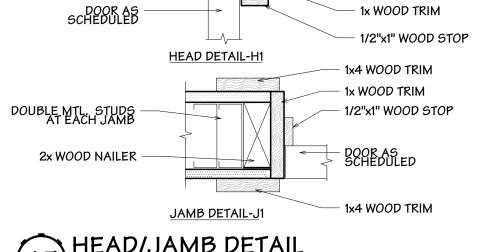
3 5/8" MTL. STUDS

- 2x WOOD NAILER

1x4 WD TRIM

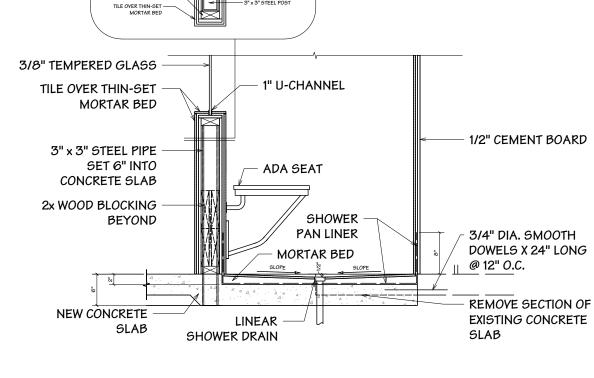




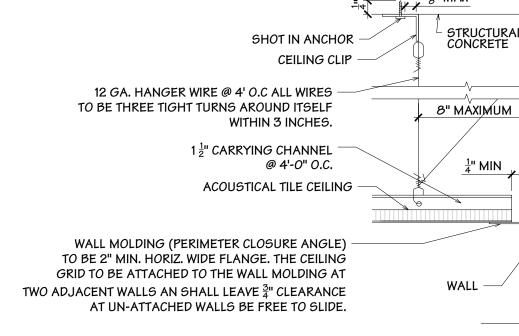




1x4 WD TRIM







FOUR (4) 12 GA SPLAYED LATERAL

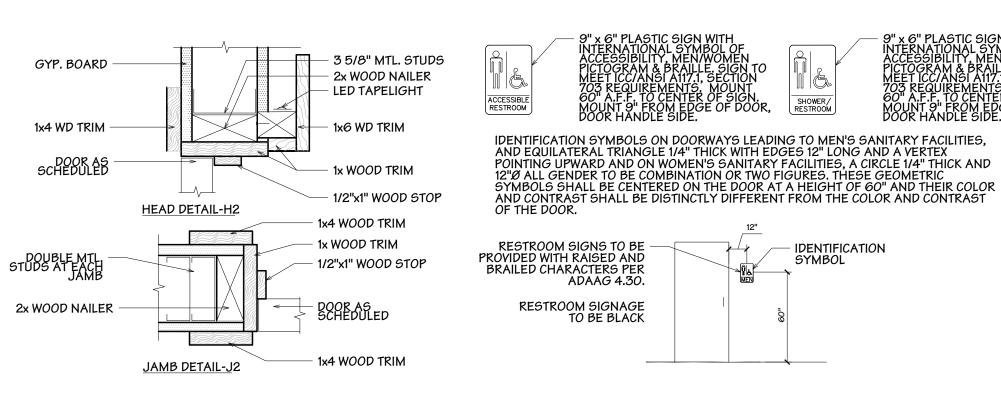
BRACING WIRES @ 12'-O" O.C. AND

PARALLEL TO COMPONENTS INTERSECTING AT THE BRACE

LOCATION

CROSS RUNNER





EAD/JAMB DETAIL	TOILET RO Scale: NTS
ale: NTS	Scale: NTS





April 22, 2024

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CORIAN SOLID SURFACE(GALCIER WHITE) BEVEL TOP OF DOOR -CONT. 3/4" x 1 1/2" WOOD TRIM - 1/4" BACK - DRAWERS ON GLIDES; TYP.

CABINET DETAIL - FRIDGE

Scale: NTS

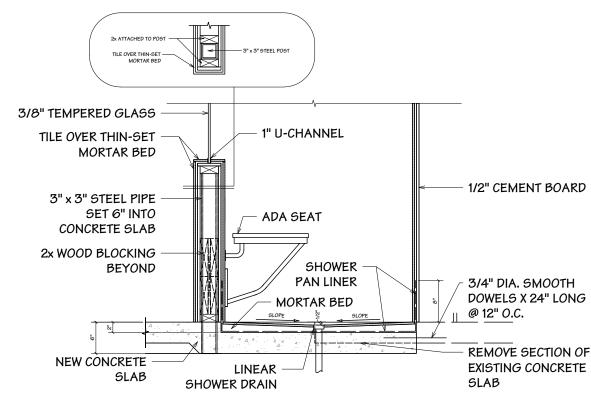
CORIAN SOLID SURFACE(GALCIER WHITE)

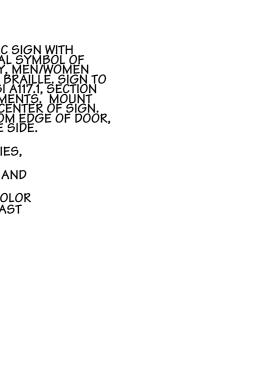
TOWEL &

(OFCI)

— 1/4" BACK

BEVERAGE REFRIGERATOR



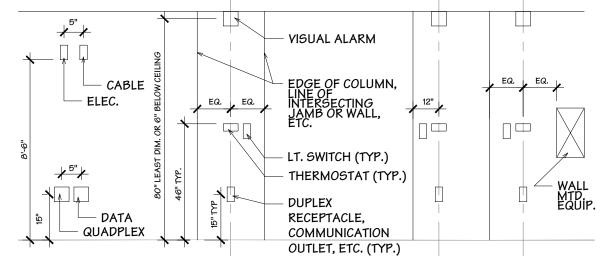


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Drawn by:

Master Details

A-501



DEVICE LOCATION DIAGRAM

Stud Sizing Chart

6" METAL STUDS:

GAUGE: BRACING:

GAUGE: BRACING:

3-5/8" METAL STUDS: MINIMUM STUD TRACK THICKNESS: 25 GA

SPACING:

@ 24"O.C @ 16"O.C

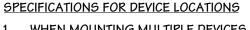
MINIMUM STUD TRACK THICKNESS: 25 GA

@ 24"0.C. @ 16"0.C @ 24"0.C.

STUD SIZING CHART

Scale: NTS

MAX HEIGHT:



1. WHEN MOUNTING MULTIPLE DEVICES FROM DIFFERENT TRADES IN THE SAME LOCATION (SUCH AS LIGHTING SWITCHES, THERMOSTATS, ETC.), THEIR ARRANGEMENT SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

1.1 LOCATE DEVICES AS SHOWN ON THE ARCHITECTURAL PLANS, ELEVATIONS OR SECTIONS.

WALL BACKING DETAIL

Scale: NTS

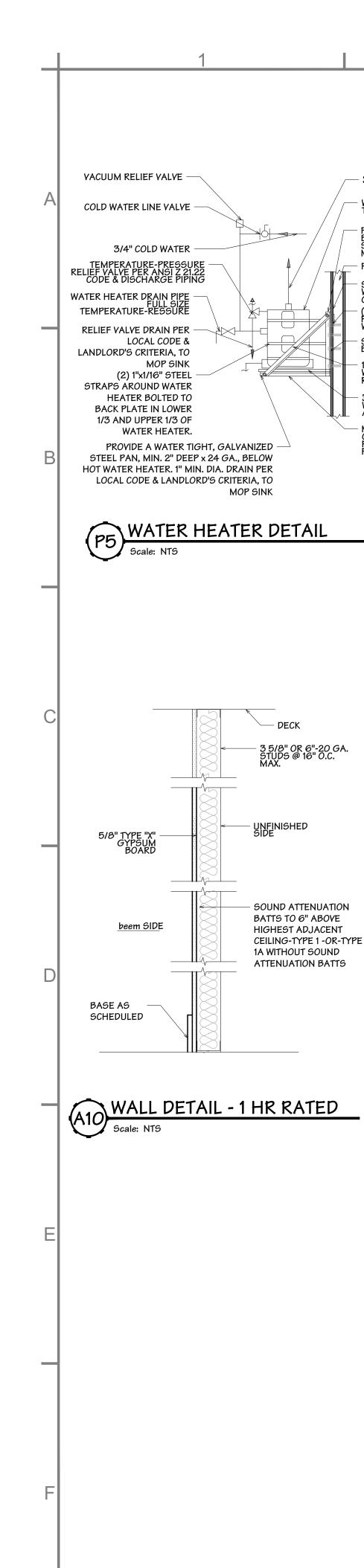
1.2 WHEN SHOWN ON MECHANICAL OR ELECTRICAL DRAWINGS, BUT NOT ON ARCHITECTURAL DRAWINGS, DEVICES SHALL BE UNIFORMLY AND SYMMETRICALLY MOUNTED. VERTICALLY ALIGN DEVICES MOUNTED AT HEIGHTS INDICATED, UNLESS SEPARATED HORIZONTALLY BY A MINIMUM OF 24".

1.3 DEVICES INSTALLED IN MASONRY OR SURFACES TO RECEIVE WOOD PANELS, WALL COVERING OR SIMILAR MATERIALS SHALL BE INSPECTED BY THE ARCHITECT AT TIME OF ROUGH-IN.

1.4 IF THE CONTRACTOR HAS ANY DOUBTS REGARDING THE LOCATION OF DEVICES, HE SHOULD CONSULT WITH THE PROJECT ARCHITECT/ENGINEER PRIOR TO ROUGHING-IN. 1.5 WHERE MULTIPLE SWITCHES OCCUR, GANG W/SINGLE COVER

2. DEVIATIONS FROM THE ABOVE PRINCIPLES WITHOUT PRIOR APPROVAL BY THE ARCHITECT/ENGINEER SHALL BE CORRECTED BY THE INSTALLING CONTRACTOR. ANY COST, INCLUDING CUTTING & PATCHING, ENTAILED IN THE REMOVAL, RELOCATION, AND REINSTALLATION OF ANY DEVICES SHALL BE THE RESPONSIBILITY OF CONTRACTOR.

OOM SIGNAGE



- 3/4" HOT WATER

WATER HEATER

- PROVIDE 2x4 WOOD STUD BACKING ON WALL FOR SECURING WATER HEATER MOUNTING FRAME

PLUMBING WALL FRAMING

- SECURE FRAME TO 2X4 BACKING

- 3/4" CD PLYWOOD BELOW WATER HEATER DRAIN PAN AS PLATFORM

MINIMUM MOUNTING HEIGHT OF 8'-0" TO BOTTOM OF PLATFORM. VERIFY HEIGHT IN

5/8" GYP. BOARD

BASE AS

SCHEDULED

3 5/8" OR 6"-20 GA. STUDS @ 16" O.C. MAX.

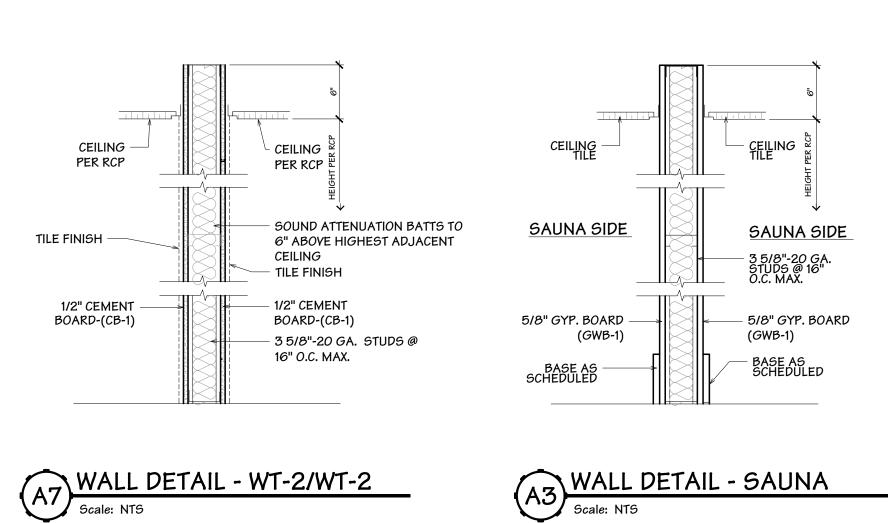
— CEIILING PER RCP

5/8" GYP. BOARD

SCHEDULED

WALL DETAIL - OTS

Scale: NTS



- 3 5/8"-20 GA. STUDS @ 16" O.C. MAX.

- CEILING TILE

SOUND
ATTENUATION
BATTS TO 6"
ABOVE HIGHEST
ADJACENT
CEILING

5/8" M.R. GYP. BOARD

CEMENT BOARD (CB-1)

(GWB-3) -OR-1/2"

BASE AS

SCHEDULED

5/8" GYP. BOARD -

BASE AS

SCHEDULED

(GWB-1)

- 6" LIGHT GAUGE METAL FRAMING

- 21/2" X15/8" LIGHT GAUGE METAL FRAMING

- BACKWRAP OPENING WITH 5/8" TYPE 'X' GYP. BD.

SEMI-RECESSED FIRE EXTINGUISHER CABINET

5/8" TYPE 'X' GYP. BD. BOTH SIDES

FE CABINET DETAIL

Scale: NTS

WALL DETAIL - ACT/GWB

Scale: NTS

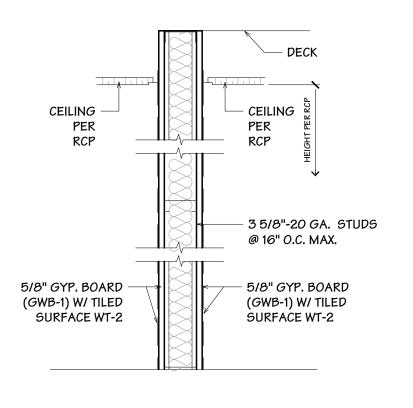
CEILING -

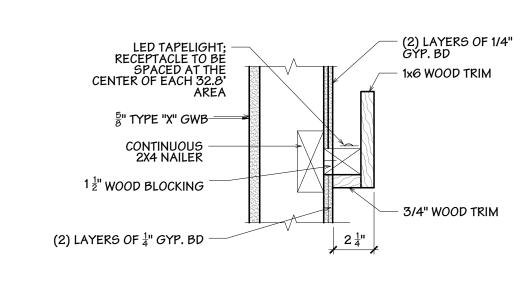
PER RCP

5/8" M.R. GYP.

BOARD (GWB-3)

BASE AS – SCHEDULED





A1 LIGHT COVE DETAIL

Scale: NTS



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No. DATE NOTE

WALL DETAIL - RESTROOM PARTITON WALL

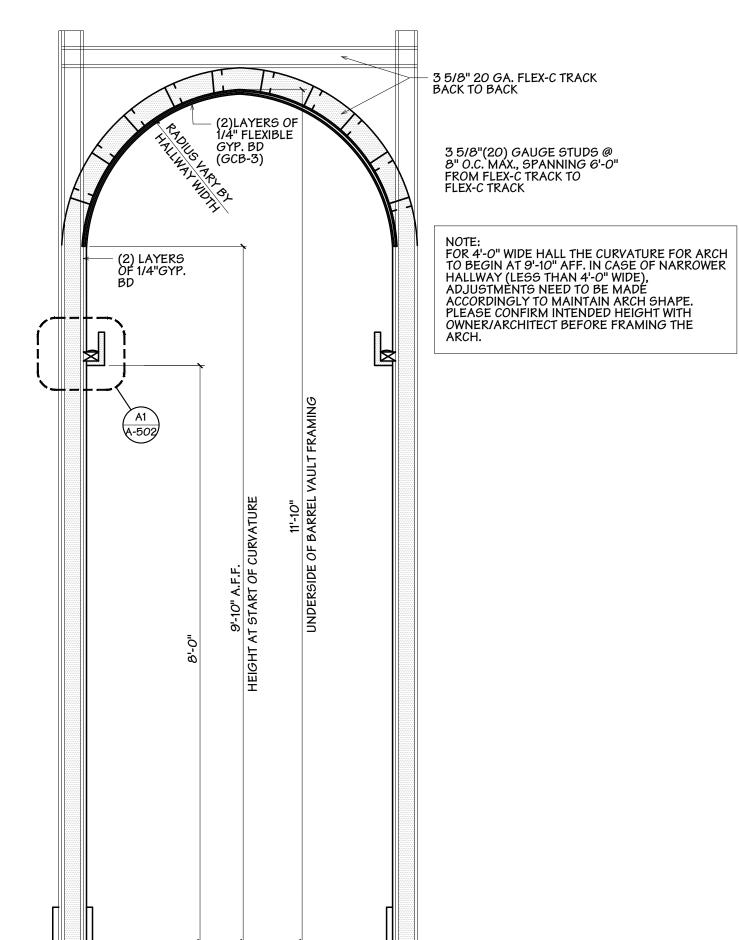
Scale: NTS

(2) LAYERS OF 1/4"GYP. BD

HALLWAY

BASE AS

SCHEDULED



HALLWAY SECTION

Scale: NTS

CONTRACTOR IS TO CONFIRM INTENDED SHAPE OF THE ARCH BEFORE FRAMING

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A-502

- CEILING PER RCP

(GWB-1)

WALL DETAIL - VAULT HALLWAY

Scale: NTS

- BASE AS

SCHEDULED

3 5/8"-20 GA. STUDS @ 16" O.C. MAX.

— DECK

- CEILING

PER RCP

O.C. MAX.

WALL DETAIL - GWB/WT-2

Scale: NTS

TILE FINISH

- 3 5/8" OR 6"-20 GA. STUDS @ 16" O.C. MAX.

RESTROOM

SOUND ATTENUATION BATTS TO

6" ABOVE HIGHEST ADJACENT

1/2" CEMENT BOARD (CB-1)

6"-20 GA. STUDS @ 16"

April 22, 2024

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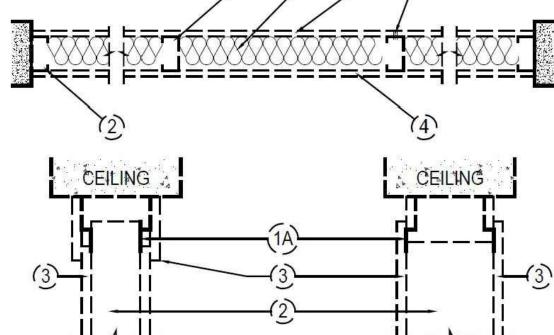
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April 22, 2024

UL Details

DESIGN NO. U465 NONBEARING WALL RATING - 1HR.



Fire-resistance Ratings - ANSI/UL 263

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 ACCOMODATE STUD, WITH 3 OR 4 IN. LEGS OFFSET AT MIDPOINT 5/8 IN. TO ACCOMODATE 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.

3. BATTS AND BLANKETS*-(OPTIONAL)-MINERAL WOOD OR GLASS FIBER BATTS PARTIALLY OR COMPLETELY FILLING STUD CAVITY. SEE BATTS AND BLANKETS (BZJZ) 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 8 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 S STEEL SCREWS SPACED 12 IN. OC.

BOREAL GYPSUM INC. - TYPE BG-C. CANADIAN GYPSUM CO, LTD - TYPES C, SCX, SHX, WRX.

CONTINENTAL GYPSUM COMPANY - TYPE CG-C.

DOMTAR GYPSUM INC. - TYPE 5 OR C.

EAGLE-GYPSUM PRODUCTS - TYPE EG-C. GEORGIA-PACIFIC CORP., GYPSUM DIV. - TYPE GPFS-6 OR GPFS-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, WRC, 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.

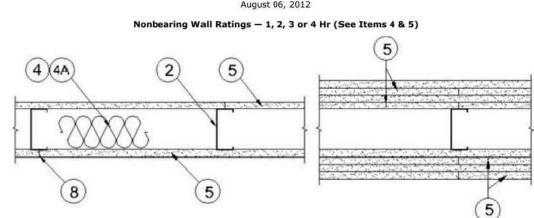
4B. WALLBOARD, GYPSUM*-(AS AN ALTERNATE TO ITEMS 4 AND 4A)-5/8 IN. THICK INSTALLED AS DESCRIBED IN ITEM 4. JOINT COVERING (ITEM 5) NOT REQUIRED. UNITED STATES GYPSUM CO. - TYPE WSX.

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 S-12 PAN-HEAD STEEL SCREWS. * BEARING THE UL CLASSIFICATION MARKING.

F7) DETAILS - 1 HR, SEPARATION WALL

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



2. STEEL STUDS — CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A

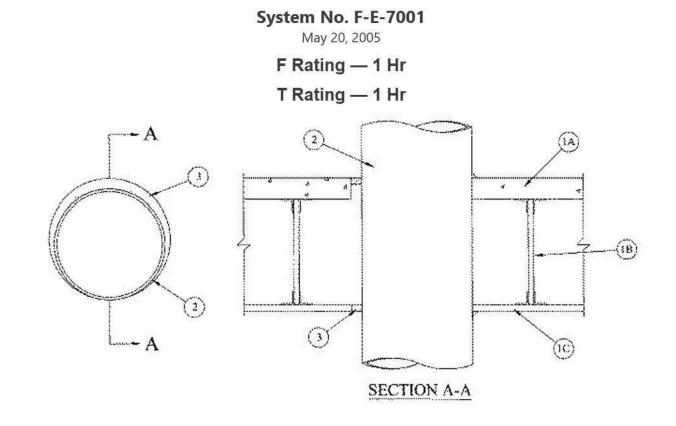
WOOL BATTS, FRICTION FITTED BETWEEN STUDS AND RUNNERS. MIN NOM THICKNESS

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 ULIX 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.

DETAILS - NONBEARING WALL RATING 1, 2, 3 OR 4 HR

Scale: NTS



 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

A. FLOORING -- LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3/) CONCRETE AS SPECIFIED IN THE INDIVIDUAL G500 SERIES DESIGN. MAX

A. JOISTS -- STEEL JOISTS OR STRUCTURAL STEEL MEMBERS* AS SPECIFIED IN C. GYPSUM BOARD* -- MIN 5/8 IN. (16 MM) THICK, SCREW-ATTACHED TO FURRING

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. 28 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 O IN. (O 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.

PETAILS - 1 HR, CEILING/FLOOR PENETRATION

Scale: NTS

UL FIRE RESISTANCE DIRECTORY, AS SUMMARIZED BELOW: DIAM OF OPENING IS 11 IN. (279 MM). MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT. THE INDIVIDUAL G500 SERIES DESIGN. 4. BATTS AND BLANKETS* - (REQUIRED AS INDICATED UNDER ITEM 5) - MINERAL CHANNELS AS SPECIFIED IN THE INDIVIDUAL G500 SERIES DESIGN. MAX DIAM OF OPENING IS 11 IN. (279 MM). AS INDICATED UNDER ITEM 5.

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:

SECTION A-A

WALL ASSEMBLY -- THE FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY

SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE

CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN.

SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS

INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE

RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION

A. STUDS -- WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL

C. GYPSUM BOARD* -- ONE LAYER OF NOM 5/8 IN. THICK GYPSUM BOARD, AS

2. PIPING SYSTEM -- TTHE PIPING SYSTEM FOR USE IN CLOSED (PROCESS OR

SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS SHALL CONSIST OF

A. STEEL OR IRON PIPE -- NOM 3 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON

CONNECTED TO TEE. THE TEE PENETRATES WALL ON ONE SIDE AND IS INSTALLED

PIPE OR SCHEDULE 40 (OR HEAVIER) STEEL PIPE, INSTALLED WITHIN STUD CAVITY AND

OC. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE AND SPACED MAX 24 IN. OC.

INSULATION FRICTION FITTED INTO STUD CAVITY.

THE FOLLOWING:

B. INSULATION* -- R13 (OR HIGHER) GLASS FIBER OR MINERAL FIBER BATT

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. 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.

LEE'S SUMMIT, MO NOTE:

ALL ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH 2017 NATIONAL ELECTRICAL CODE (NEC), 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.

LEE'S SUMMIT, MO NOTE:

THE BASIS OF DESIGN IS FOR A LOW-VOLTAGE SECURITY SYSTEM, BY OTHERS. CAMERAS WILL BE POWERED VIA LOW-VOLTAGE CABLES ROUTED BACK TO NVR AT MANAGER'S AREA.

BEEM LIGHT SAUNA PROTO NOTE:

LOW-VOLTAGE CONTRACTOR SHALL COORDINATE WITH JURISDICTION. AND IF NECESSARY, SHALL HAVE A LICENSED ELECTRICIAN PULL THE LOW-VOLTAGE PERMIT.

> LOW VOLTAGE WIRING SHALL BE SHIELDED.

GENERAL NOTES

GENERAL RECEPTACLES INSTALLED AT +15" TO BOTTOM OF BOX

VERIFY GFCI REQUIREMENTS PRIOR TO BID. ALL RECEPTACLES WITHIN 6'-0" OF A SINK OR WASH BASIN SHALL BE GFCI RATED. ALL RECEPTACLES AND DEVICES TO BE WHITE. VERIFY WITH

ARCHITECT. SMOKE DETECTORS, FIRE ALARM SYSTEM, STROBES, HORNS, SPRINKLERS, ETC. SHALL BE DESIGNED AND INSTALLED WHERE REQUIRED BY A LICENSED FIRE SPRINKLER / FIRE PROTECTION CONTRACTOR (DESIGN-BUILD) UNDER A SEPARATE PERMIT.

HVAC CONVENIENCE OUTLET(S) AND DISCONNECT(S) SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR, SIZE TO MATCH BREAKERS ON PANEL AND/OR NAMEPLATE. DISCONNECT SHALL BE RATED FOR VOLTAGE OF ORIGINATING

CONTRACTOR NOTES:

PANEL.

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 FORSEEN, HAD AN EXAMINATION AND CODE REVIEW BEEN MADE, WILL NOT BE ALLOWED.

ELECTRICAL SYMBOL LEGEND

<u> </u>		1 11	IECC 2018 APPLIANCE NOTES:
DESCRIPTION	HEIGHT (U.N.O.)		1. THE REFRIGERATION EQUIPMEN MEET THE STANDARDS FOR EF
SINGLE POLE SINGLE THROW TOGGLE SWITCH (NOTE L-1)	44"		PER IECC 2018 C403.10. NOTE ENERGY STAR REFRIGERATORS
THREE-WAY TOGGLE SWITCH/FOUR-WAY TOGGLE SWITCH (NOTE L-1)	44"		FREEZERS ARE 10% MORE EFFI THAN MINIMUM FEDERAL EFFICI
MOTOR RATED SWITCH			STANDARDS FOR SUCH PRODU- THEREBY THEY SHOULD MEET
DIMMER SWITCH (NOTE L-1)	44"		REQUIREMENT.
DUPLEX / QUAD RECEPTACLE OUTLET (NOTE L-1)	15" (BOTTOM)		IECC 2018 ELECTRICAL NOTES: 1. DAYLIGHT—RESPONSIVE CONTRO
OTHER RECEPTACLE, AS NOTED.			BE COMPLIANT WITH IECC 2018
DUPLEX RECEPTACLE OUTLET, CEILING MOUNTED/FLOOR MOUNTED			DAYLIGHT RESPONSIVE CONTRO REQUIRED FOR ROOMS WITH EX
THE NUMBER IN PARENTHESIS IS THE CONVIENIENT OUTLET COUNT FOR THE CIRCUIT.			WINDOWS AND 150 WATTS OR GENERAL LIGHTING WITHIN PRIM

SEE PLAN

SEE PLAN

SEE PLAN

SEE PLAN

SEE PLAN

▼/▼ | TELEPHONE OUTLET, WALL MOUNTED / FLOOR MOUNTED riangle Data outlet, wall mounted/floor mounted € TELEVISION OUTLET WALL MOUNTED XMFR CURRENT TRANSFORMER W POWER METER AND SOCKET

JUNCTION BOX, CEILING / FLOOR MOUNTED

RACEWAY/CABLE CONCEALED IN WALL AND/OR ABOVE CEILING GROUNDING CONNECTION (SYSTEM AND/OR EQUIPMENT) X-1.3.5 ARROWHEAD INDICATES HOMERUN. X-1,3,5 INDICATES HOMERUN TO PANEL X CIRCUIT NUMBERS 1,3, AND 5.

Ó PANELBOARD - WALL MOUNTED (RECESSED/SURFACE MOUNTED) 급_60/3/3R NONFUSIBLE DISCONNECT SWITCH, RATING/POLES/NEMA ENCLOSURE

FUSIBLE DISCONNECT SWITCH, RATING/FUSE RATING/POLES/NEMA ENCLOSURE DUCT SMOKE DETECTOR S THERMAL DETECTOR, WALL MOUNTED

THERMOSTAT, WALL MOUNTED

►EX. 2" TELECOM CONDUIT TO

SERVICE POINT. EXTEND TO TELECOM BOARD AS SHOWN.

EXISTING BASE BUILDING TELECOM

• CONNECT NEW TO EXISTING N.I.C. | NOT IN CONTRACT

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SYMBOL

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L-1 MOUNTING HEIGHTS NOTED ARE TO THE CENTER OF DEVICE ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE (U.N.O.).

-2 FIRE ALARM VISUAL DEVICES SHALL BE WALL—MOUNTED 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER. AUDIBLE ONLY DEVICES SHALL BE WALL-MOUNTED AT NOT LESS THAN 90" AFF AND NOT LESS THAN 6" BELOW CEILING.

* NOT ALL SYMBOLS USED ON ALL JOBS *

IECC 2018

ENT SHALL EFFICIENCY. E THAT THE S AND FICIENT **ICIENCY** UCTS.

ROLS SHALL 18 C405.2.4. ROLS ARE **EXTERNAL** MORE OF RIMARY DAYLIGHT ZONES AND/OR 300 WATTS OR MORE OF GENERAL LIGHTING WITHIN SIDELIT DAYLIGHT ZONES.

ALL BUILDING LIGHTING NOT CONTROLLED BY AN OCCUPANCY SENSOR (AND NOT IN AN EQUIPMENT ROOM) SHALL BE CONTROLLED BY THE BUILDING LIGHTING TIMER, AND IT SHALL BE SET AND LABELED TO BE OFF DURING NON-OCCUPIED HOURS.

AUTOMATIC CONTROLS SHALL TURN ON NO MORE THAN 50% POWER LEVELS WHEN OCCUPANTS ARE SENSED. THIS SHALL BE DONE BY A SENSOR WITHOUT A WALL SWITCH, EXCEPT AN OVERRIDE OFF SWITCH SHALL BE PROVIDED FOR CLASS ROOMS, MEETING ROOMS WITH PROJECTORS, ETC. THIS SENSOR SHALL HAVE A 15-MINUTE TIMEOUT.

THE REMAINING 50% OF LIGHTS SHALL HAVE A WALL SWITCH TO TURN ON AND A DIFFERENT OCCUPANCY SENSOR (AN OVERRIDE) TO SHUT OFF LIGHTING DURING UNOCCUPIED HOURS. THIS SENSOR SHALL HAVE A 15-MINUTE TIMEOUT.

OCCUPANT SENSOR CONTROLS IN OPEN OFFICES, WAREHOUSES, CORRIDORS, ETC. SHALL BE PROVIDED IN ACCORDANCE WITH IECC 2018 C405.2.1.1.

— NEIGHBORING TENANT — -

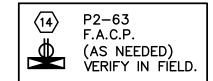
IECC 2018 ELECTRICAL COMMISSIONING

ELECTRICAL COMMISSIONING IS REQUIRED. COMMISSIONING SHALL BE PER IECC 2018 C408.3 (LIGHTING SYSTEMS).

KEY NOTES BY SYMBOL '(#)

- (1) EX. 400A MLO, 120/208V, 3PH PANEL 'P2' SECTION 1. PANEL IS SURFACE MOUNTED IN TENANT SPACE AND FACES OPEN INTO ROOM.
- (2) EX. PANEL 'P2' SECTION 2. PANEL IS SURFACE MOUNTED IN TENANT SPACE AND FACES OPEN
- \langle 3angleFURROUT WALLS AS NECESSARY FOR POWER AND PLUMBING.
- $\langle 4 \rangle$ water heater on platform above utility sink. Structural engineering is by others. MAINTAIN REQUIRED CLEARANCES. PROVIDE NEC COMPLIANT MEANS OF DISCONNECT.
- (5) CIRCUIT RESTROOM/SHOWER EXHAUST FAN(S) TO LIGHTING CIRCUIT. PROVIDE ALL NECESSARY RELAYS, CONTACTORS, ETC., TO CONNECT TO ROOM'S OCCUPANCY SENSOR.
- (6) PLACE RECIRCULATION PUMP OUTLET/J-BOX ABOVE WATER HEATER WHERE SPACE ALLOWS.
- (7) MAINTAIN 36" CLEAR SERVICE SPACE IN FRONT OF 120/208V ELECTRIC PANELS AND SWITCHGEAR, AND 42" IN FRONT OF 277/480V GEAR, PER NEC.
- (8) 24"x16"x3/4" 'AC' GRADE PLYWOOD TELEPHONE BOARD. PROVIDE GROUND PER NEC. RUN CONDUITS AND CONDUCTORS AS ALLOWED BY LANDLORD AND LOCAL AHJ TO UTILITY COMPANY'S TELEPHONE CONNECTION POINT.
- (9) POWER AND DATA TO THE RECEPTION DESK IS ROUTED UNDER THE SLAB INTO THE WALL CAVITY OF THE RECEPTION DESK. PROVIDE A 3/4" CONDUIT FOR POWER. AND A SEPARATE 1" CONDUIT WITH PULL STRING FOR DATA. EACH HALF OF RECEPTION DESK RECEIVES A QUAD OUTLET AND A DOUBLE DATA PORT. RECEPTACLES SHALL BE SET ON THE BACK WALLS OF THE DESK CABINETS.
- $10\rangle$ INSTALL A JUNCTION BOX ABOVE THE SUITE DOOR(S) FOR EXTERIOR SIGNAGE CONNECTION. PROVIDE NEC COMPLIANT MEANS OF DISCONNECT FOR BUILDING SIGNAGE. PROVIDE TIME CLOCK, PHOTO CELL AND CONTACTOR AS NEEDED. COORDINATE FINAL LOCATIONS AND QUANTITIES OF SIGNS WITH ARCHITECT AND OWNER PRIOR TO ORDERING. REUSE EXISTING J-BOXES WHERE PRESENT AND IN GOOD WORKING CONDITION.
- (11) PROVIDE USB/OUTLET COMBO, LEVITON T5633 (SEE DETAIL 02/E1.0), VERIFY QUANTITY, LOCATION AND MOUNTING HEIGHT WITH OWNER'S REPRESENTATIVE.
- (12) SPEAKER OUTLETS ARE TO BE WITHIN 2" OF THE WALL CORNER.
- (13) PROVIDE GFCI ELECTRICAL RECEPTACLE OUTLETS WHERE LOCATED WITHIN 6'-0" OF THE OUTSIDE EDGE OF A SINK PER NEC 210.8(B)(5) AND WET AREAS PER NEC 210.8(B)(6). IF OUTLETS ARE PLACED IN AN INACCESSIBLE LOCATION, CONTRACTOR SHALL PROVIDE A GFCI CIRCUIT BREAKER IN THE PANELBOARD.
- (14) REUSE EXISTING FIRE ALARM CONTROL PANEL WHERE PRESENT. PROVIDE NEW AS NEEDED. REFER TO FIRE PROTECTION CONTRACTOR'S DRAWINGS SUBMITTED UNDER SEPARATE PERMIT.
- $\langle 15 \rangle$ ELECTRIC DRYER. PROVIDE (2)#10,#10G., 3/4°C, 30A/2P RECEPTACLE.
- (16) CEILING MOUNTED RECEPTACLES ABOVE WINDOW FOR INTERIOR SIGNAGE. MOUNT ON WALL ABOVE WINDOW IF CEILING IS MORE THAN 12" ABOVE TOP OF WINDOW. REUSE EXISTING SHOW WINDOW RECEPTACLE(S) AND CIRCUIT(S) WHERE PRESENT AND IN WORKING CONDITION.
- 17) WHERE OWNER ELECTS TO INSTALL SECURITY CAMERAS, PROVIDE CONDUITS WITH PULL STRINGS AT 96" AFF IN THE BACK CORNERS OF THE RECEPTION AREA THAT TERMINATE AT THE NETWORK VIDEO RECORDER (NVR) LOCATION. PROVIDE POWER FOR NVR AS NEEDED. PLACE NVR NEAR TELECOM BOARD, COORDINATE FINAL LOCATION OF NVR WITH OWNER IN FIELD.
- (18) EXISTING BASE BUILDING ELECTRICAL SERVICE GEAR ON EXTERIOR WALL OF BUILDING AT APPROXIMATE LOCATION SHOWN. REFER TO ONE LINE RISER DIAGRAM, SHEET E3.0

REVIEW AND APPROVAL BY THE A.H.J. SHALL NOT RELIEVE THE RESPONSIBILITY OF COMPLIANCE WITH ALL APPLICABLE CODES.



-RECESSED-TYPE OUTLET AND DATA

Peter A. Leptuch, P.E.

300 N. Carroll Blvd. #200

Denton, TX 76201

(940) 808-0615

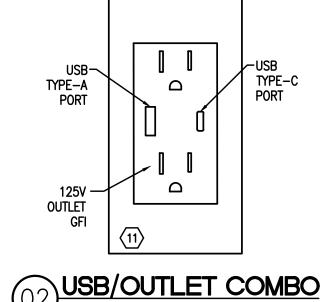
Sherman, Texas 75092 903.813.1415

PETER ADAM

LEPTUCH

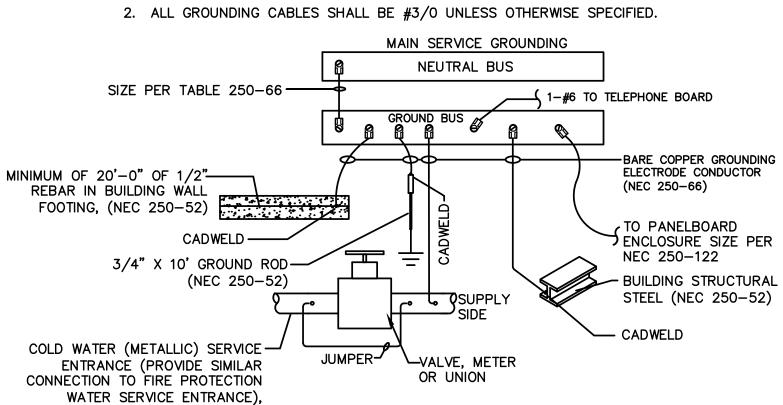
NUMBER

PE-2011024021



SCALE: NOT TO SCALE

1. ALL GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 250-50 OF THE NATIONAL ELECTRICAL CODE.



GROUNDING ELECTRODE SYSTEM DETAIL (EXISTING)

(NEC 250-52)

SCALE: NOT TO SCALE

COORDINATE FINAL PORT FOR LUUMI LOCATION OF POWER FOR P2−31 ⊦18"AFF SPEAKERS WITH OWNER P2-21,23 +82" AFF NEMA 6-15R IN FIELD, TYP. (5) +82" AFF NEMA 6-15R +18"AFF F2-57 +48" AFF P2-17,19 +82" AFF NEMA 6-15R **16** ■ +18"AFF P2-37,39 P2-36,38 P2-33,35 **O**(10) P2-40 T/C _P2-26,28-+82" AFF NEMA 6-15R 2\7 CLG. 1\7 P2-43 GFCI +18"AFF P2-18,20 +82" AFF NEMA 6-15R +18"AFF P2-25,27 +82" AFF NEMA 6-15R P2-22,24 P2-41 RECIRC. ABV. CLG. P2-3,5,7 60A/NF/3P +82" AFF NEMA 6-15R +82" AFF NEMA 6-15R +84"AFF — NEIGHBORING TENANT ————

POWER PLAN

April 19, 2024

REVISIONS

Drawn by:

Checked by:

Project No:

Date:

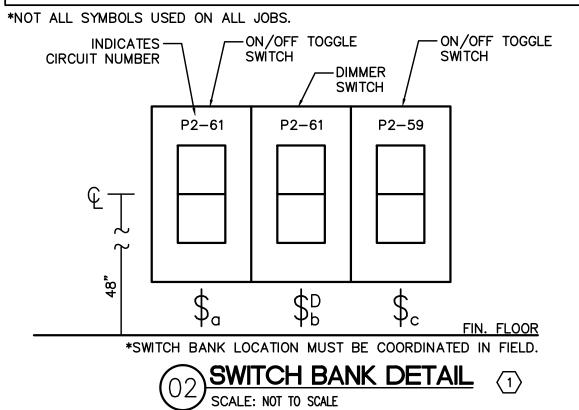
No. DATE NOTE

SENSOR AND DEVICE SCHEDULE MOUNTING TIME DELAY DESCRIPTION SYMBOL MODEL NUMBER NOTES LUTRON CLARO DECORA SWITCH WALL CA-1PS-WH WALL LUTRON DIVA N/A DIMMER SWITCH DVCL-153PR-WH WATTSTOPPER 5, 15, OR 30 DUAL TECHNOLOGY WALL DW-100 OCCUPANCY/VACANCY (OR EQUAL) MINUTES SENSOR SWITCH LEVITON DAYLIGHT/OCCUPANCY 06C04-IDW CEILING N/A SENSOR (OR EQUAL)

DIMMING PROTOCOL (ELV, 0-10V, ETC) SHALL BE COORDINATED WITH FINAL APPROVED LIGHTING FIXTURES PRIOR TO PURCHASE AND INSTALLATION OF DIMMERS. . ALL SWITCHES/DIMMERS AND THEIR ASSOCIATED WALL PLATES SHALL BE WHITE.

ELEC	TRICAL SYMBOL LEGEND	
SYMBOL	DESCRIPTION	HEIGHT (U.N.O.)
\$	SINGLE POLE SINGLE THROW TOGGLE SWITCH (NOTE L-1)	44"
\$3	THREE-WAY TOGGLE SWITCH (NOTE L-1)	44"
\$ _D	DIMMER SWITCH (NOTE L-1)	44"
\$ _{0S}	OCCUPANCY/VACANCY SWITCH	44"
\$ _S	FAN SPEED CONTROL SWITCH	31"/38"
L-1 MOL	JNTING HEIGHTS NOTED ARE TO THE CENTER OF DEVICE ABOVE	

FINISHED FLOOR, UNLESS NOTED OTHERWISE (U.N.O.).



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

GENERAL NOTES

A. LIGHTING SHALL BE CIRCUITED EXACTLY AS SHOWN ON PLANS.

*COORDINATE FINAL SPECS WITH OWNER PRIOR TO ORDERING

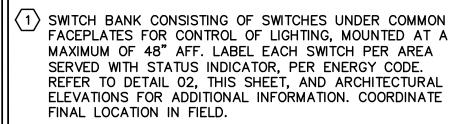
- B. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION AND QUANTITY OF LIGHTING FIXTURES.
- C. EMERGENCY AND EXIT LIGHTS SHALL BE INSTALLED AND CIRCUITED PER THE LATEST NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES. ALL EMERGENCY AND EXIT FIXTURES SHALL BE DUAL VOLTAGE (120/277 VOLT INPUT) WITH 90 MINUTE BATTERY BACKUP.
- 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.

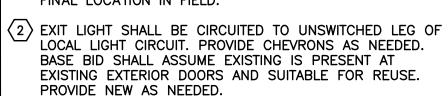
REQUIRED SHALL TAKE PRECEDENCE OVER WHAT IS SHOWN IN THIS DOCUMENT SET.

- 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.)

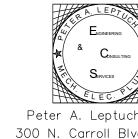
H. THE DIRECTION OF THE BUILDING OFFICIAL REGARDING QUANTITY, LOCATION AND TYPE OF EXIT/EGRESS LIGHTS

KEY NOTES BY SYMBOL '(#)'





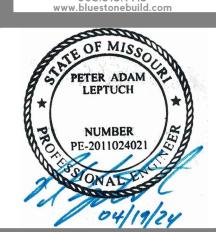
- (3) EMERGENCY EGRESS LIGHT SHALL BE CIRCUITED TO UNSWITCHED LEG OF LOCAL LIGHT CIRCUIT.
- $\langle 4 \rangle$ INTERLOCK EXHAUST FAN WITH LIGHT SWITCH.
- 5 J-BOXES ABOVE THE DROP CEILINGS OF THE HALLWAY-ADJACENT ROOMS FOR THE LED LIGHT STRIPS ON BOTH SIDES OF THE HALLWAY. LOCATION SHOWN IS DIAGRAMMATIC 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.
- $\langle 6 \rangle$ INSTALL RECESSED OUTLET AT +60" AFF FOR MIRROR POWER. SWITCH AS SHOWN.
- $\langle 7 \rangle$ 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.







Sherman, Texas 75092 903.813.1415



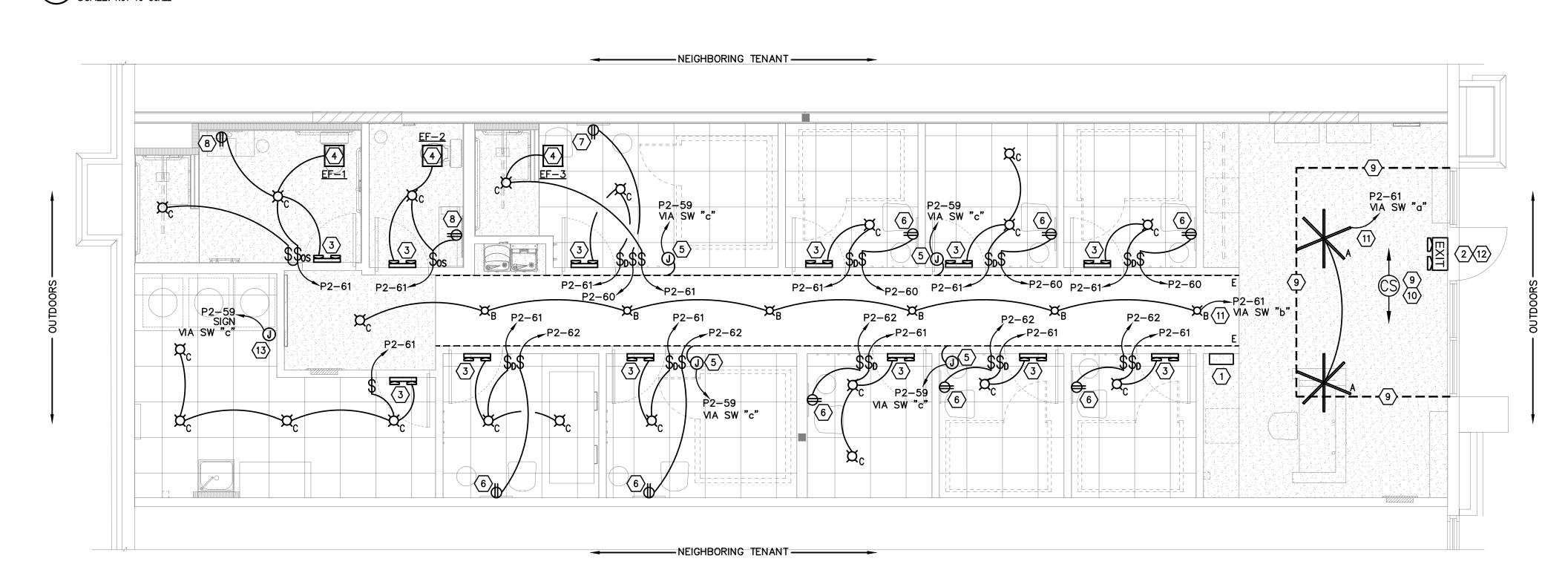
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REV	ISIONS	
No.	DATE	NOTE

Drawn by: Checked by: Project No: Date:

April 19, 2024

LIGHTING **PLAN**



**NOT ALL FIXTURES USED ON ALL JOBS.

E2.0

PANELBOARD SCHEDULE - 'P2' (EX.) VOLTAGE: 208/120 PHASE: 3 WIRE: 4 MOUNTING: SURFACE AIC: 65K MAIN: 400A MLO LOAD (KVA) # POLE REC MTR A/C HTG KIT MISC A B C LTG REC MTR A/C HTG KIT MISC POLE # DESCRIPTION 1 20/1 (EX.) HVAC REC. 3.5 40/3 2 (EX.) RTU-4 3 50/3 W.H. (9KW ELEC TANK) Peter A. Leptuch, P.E. 300 N. Carroll Blvd. #200 9 15/2 SAUNA (1) (ADA-SOCIAL) 3.1 Denton, TX 76201 (940) 808-0615 15/2 14 13 15/2 SAUNA (2) 1.5 SAUNA (5) 17 15/2 SAUNA (3) 1.5 SAUNA (6) 21 15/2 SAUNA (4) 1.5 | FUTURE SAUNA 15/2 22 1.7 SAUNA (7) (SOCIAL) 25 15/2 FUTURE SAUNA Sherman, Texas 75092 903.813.1415 - 28 1.8 RED LIGHT THERAPY 29 20/1 RED LIGHT THERAPY 20/1 30 31 20/1 FUTURE RED LIGHT THERAPY 2.5 CLOTHES DRYER (ELEC) 30/2 32 33 30/2 CLOTHES DRYER (ELEC) 2.5 (GFCI) 35 - (GFCI) PETER ADAM 2.5 CLOTHES DRYER (ELEC) 30/2 36 LEPTUCH 37 30/2 CLOTHES DRYER (ELEC) 2.5 (GFCI) 39 - (GFCI) 1.8 CLOTHES WASHER (GFCI) 20/1 40 41 20/1 RECIRC. PUMP/UTILITY REC. 1.8 CLOTHES WASHER (GFCI) NUMBER 20/1 42 PE-2011024021 SECTION 2 SECTION 2 0.2 TIMECLOCK 43 20/1 TELECOM BOARD / NVR 20/1 44 45 20/1 DRINKING FOUNTAIN 0.5 SPEAKERS 20/1 46 47 20/1 RESTROOM REC. HALLWAY REC 49 20/1 CONV. REC (SAUNA ROOM) CONV. REC (SAUNA ROOM) 20/1 50 51 20/1 U/C FRIDGE (RECEPTION) 1.0 U/C FRIDGE (RECEPTION) 20/1 52 53 20/1 BACKWRAP REC. RECEPTION DESK REC 55 20/1 RECEPTION CONV. REC SHOW WINDOW REC 57 20/1 LUUMI 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 0.9 MIRROR (SAUNA RM) 20/1 62 63 20/1 F.A.C.P. (AS NEEDED) SPACE SPACE SPACE SPACE 68 SPACE SPACE SPACE O SPACE SPACE 76 aun **SPACE** 78 SPACE SPACE SPACE 84 83 1.2 | 2.7 | 0.0 | 19.8 | 0.0 | 0.0 | 30.7 | CONNECTED LOAD (KVA) LIGHTING (KVA): 3.1 | 1.9 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 39.2 | 98.9 RECEPTACLES (KVA): 98.9 DEMAND LOAD (KVA): MOTORS (KVA): 0.0 PHASE A 32 265.9 PHASE B 34 280.5 A/C (KVA): 19.8 CONNECTED LOAD (AMPS): 274.5 PHASE C 33 278.0 274.5 HEATING (KVA): 0.0 DEMAND LOAD (AMPS): gh KITCHEN (KVA): KVA AMPS MISCELLANEOUS (KVA): AMPACITY REQUIRED: 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% **AMPACITY REQD CALCS** **PANEL DIRECTORIES TO BE TYPE LABELED. ***ALL CLOTHES WASHER AND DRYER BREAKERS SHALL BE GFCI-TYPE. 3.08 KVA X 125 % = RECEPTACLE TOTAL 6.12 KVA 10.00 KVA X 100 % = **6.1 KVA** REMAIN 0.00 KVA X 50 % = 0.0 KVA LEE'S SUMMIT, MO NOTE: TOTAL 0.00 KVA X 100 % ELECTRICAL RISER DIAGRAM HAS KVA X 125 % = LARGEST 0.0 KVA BEEN REPRODUCED FROM REMAIN 0.00 KVA X 100 % = 0.0 KVA PREVIOUS DRAWINGS DATED **PANEL SCHEDULES** 19.80 KVA X 100 % = **HEATING** 0.00 KVA X 100 % = 0.0 KVA LEE'S SUMMIT. MO NOTE: LOCKED-OUT LOAD KVA X 100 % = CONTRACTOR SHALL SERVICE KITCHEN 0.00 KVA X 65 % = 0.0 KVA EXISTING PANEL, FEEDERS, CONDUITS, DISCONNECTS, ETC. INTENDED FOR REUSE AND BRING 69.92 KVA X 100 % = VIF +/-GEAR TO LIKE NEW CONDITION. = 99.7 KVA **REVISIONS** LEE'S SUMMIT, MO NOTE: No. DATE NOTE LABEL DISCONNECT IN 1" LETTERING: LEE'S SUMMIT, MO NOTE: "BEEM LIGHT SAUNA - SUITE B" CONTRACTOR MAY REUSE EXISTING TIMECLOCK WHERE PRESENT AND PER EXHIBIT "C-4" DESCRIPTION OF LANDLORD'S ADEQUATE IN SIZE, CONDITION, WORK, THE LANDLORD SHALL PROVIDE 120/208V AND CAPACITY. TIMECLOCK SHALL EXISTING ELECTRICAL SERVICE: 400 AMP SERVICE. CONTRACTOR SHALL VERIFY HAVE 12-HOUR BATTERY BACKUP. EXISTING CONDITIONS, AND NOTIFY ARCHITECT IF 120/208V, 3 PH, 4 WIRE. ANY DISCREPANCIES ARE FOUND. (EX.) (EX.) -2 SETS OF: -NEIGHBORING **HOUSE** (4)3/0, (1)#6G.SERVICE UNITS IN 2-1/2°C. **ELECTRICAL** (NIC) -800A 208/120V GEAR. (NIC) 3φ, 4W NÉMA 3R DISCONNECT Drawn by: Checked by: Project No: (EX.) PANEL "P2" PANÉL PANEL "P2"

SECTION 2

CORV SECTION 1 'HP' Date: -3 SETS OF: MLO 100A (3)#300 MCM400A 120/208V MCB IN 3"C. 120/208V _ _ _ _ 800A **ELECTRICAL** PANELS & 208/120V 3¢ PROVIDE TIMECLOCK-EXISTING 800A UTILITY FOR GENERAL LIGHTING BUS GUTTER

∟400Á, 3φ,

NEMA 3R

DISCONNECT

SWITCH FUSED AT 400A

-2 SETS OF:

IN 2-1/2"C.

(4)3/0, (1)#6G.

(EX.) GROUND 🖶

April 19, 2024

RISER

E3.0

Sheet:

FROM

う UTILITY

XFMR

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.

HOMERUNS AND BRANCH WIRING FOR 20 AMP CIRCUITS SHALL BE AS FOLLOWS:

<u>LENGTH</u>	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 CIRC	CUIT WIRING SCI	HEDULE
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.

02/19/2024.

AND EXTERIOR SIGNAGE.

ONE LINE RISER DIAGRAM

SCALE: NOT TO SCALE

- 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.
- 5. 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 NL/EM 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.
- 10. PROVIDE ANCILLARY POWER AS NEEDED FOR ITEMS SUCH AS FLUSH SENSORS, DUCT DETECTORS, CAMERA/MUSIC SYSTEMS, ETC. COORDINATE REQUIREMENTS WITH OWNER'S REP.
- 1. 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.
- 2. AREA SMOKE DETECTORS AND DUCT SMOKE DETECTORS SHALL BE INSTALLED AND CIRCUITED TO AN OPEN 20A/1P CIRCUIT.

3. VERIFY FAULT DUTY (SCCR) OF EX. PANEL, SUB-PANEL TO MATCH OR SHALL HAVE SERIES RATED

- BREAKER FROM SAME MANUFACTURER AS MAIN PANEL. 14. ELECTRICAL CONTRACTOR SHALL VERIFY AVAILABLE FAULT WITH UTILITY CO. PRIOR TO ENERGIZING
- 15. DISCONNECTS SHALL BE RATED FOR VOLTAGE OF EQUIPMENT SERVED.
- 16. ALL WIRING IS COPPER, SIZED FOR 75° C THWN. EQUIVALENT ALUMINUM WIRING SIZED PER NEC IS ACCEPTABLE.

17. FEEDER CONDUIT SHALL BE RIGID METALLIC CONDUIT, OR PVC SUITABLE (RATED) FOR ELECTRICAL

18. DISCONNECTS SHALL BE PROVIDED WHERE REQUIRED BY CODE AND ORDERED AT THE VOLTAGE OF

THE EQUIPMENT SERVED.

ROOF-TOP UNIT SCHEDULE

1		J J. J.	•	— .													
		MANUFACTURER/	NOMINAL	CFM	O/A	E.S.P.	EER2	C	OOLING CA	P. (MBH)	GAS HEAT	ELECTRICAL	UNIT MCA	UNIT MOCP	UNIT	MFG DATE	NOTES
		MODEL	TONS		С́FМ	(IN. W.C.)	SEER2	TOTAL	SENSIBLE	DRY BULB/ WET BULB 'F	INPUT (MBH)	(VOLTS/PH/HZ)	MCA	MOCP	WEIGHT (LBS)	(EX. UNITS)	NOTES
	RTU-4 (EX.)	TRANE/ YSC060	5.0	2,000	175	0.8"	11.0	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	48.0	36.0	80/67	80.0	208/3/60	26.0	35.0	~800	2024	1,2,3,13
- 1	NOTEC	·								•	•	-					•

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.

22X10

22X22

4. TRANSITION NECK SIZE ON SUPPLY AND RETURN AS NEEDED TO ENSURE SAME SIZE (WITHIN 2") SUPPLY AND RETURN REGISTERS

BOARD CEILING.

SERVED

THROW AWAY FILTER.

UNIT PROVIDED WITH DUAL COMPRESSORS/2-STAGE COOLING.

PROVIDE FACTORY ELECTROFIN OR EQUAL ANTI-CORROSION COATING ON OUTDOOR COILS.

12x12 SUPPLY GRILLE

TDC-AA 12x12 SUPPLY GRILLE SEE PLAN

TDC-AA 15x15 SUPPLY GRILLE SEE PLAN

24x12 RETURN GRILLE

24x24 RETURN GRILLE

. ALL GRILLES IN GYP BOARD CEILING SHALL BE ORDERED WITH INTEGRAL BALANCING DAMPERS.

24x24 RETURN GRILLE | 22X22

EXHAUST PRESSURE

WEIGHTS INCLUDE ACCESSORIES.

ORDER WITH ACCESSORIES INCLUDING: CURB, ECONOMIZER, HAIL GUARD, 2-POSITION DAMPER, DUAL ENTHALPY SENSORS, DUCT SMOKE DETECTORS, REMOTE ANNUNCIATORS, ETC.

ALUMINUM, BORDER TYPE 3 IN LAY IN CEILING

CEILING WITH MANUAL VOLUME DAMPER IN NECK.

CEILING WITH MANUAL VOLUME DAMPER IN NECK.

ALUMINUM LOUVERED FACE, SIDEWALL BORDER TYPE

ALUMINUM LOUVERED FACE, BORDER TYPE 1 IN GYP.

ALUMINUM EGG CRATE, HINGED, FILTER FRAME,

BORDER TYPE 3 IN LAY-IN. CLG. PROVIDE WITH 1

WITH MANUAL VOLUME DAMPER IN NECK.

ALUMINUM, BORDER TYPE 1 IN GYP. BOARD

ALUMINUM, BORDER TYPE 1 IN GYP. BOARD

O. MCA BASED ON MEDIUM STATIC FAN. 1. LANDLORD TO FULLY SERVICE AND WARRANTY FOR ONE(1) YEAR.

AIR DEVICE SCHEDULE

TDC-AA

350FL

350FL

PROVIDE RECTANGULAR TO ROUND ADAPTERS WHEREVER NECESSARY.

AIR

TITUS

TITUS

TITUS

TITUS

TITUS

3. NOT ALL DEVICES USED ON ALL JOBS.

AIR BALANCE SCHEDULE

SUPPLY | RETURN | OUTSIDE

AIR

FOR UNIFORM APPEARANCE.

AIR

B TITUS

12. PROVIDE WITH POWERED EXHAUST AND HOT GAS REHEAT (DEHUMIDIFICATION.)

SYMBOL TAG MANUF. CATALOG # FIXTURE DESCRIPTION NECK SIZE REMARKS

3. BRING EXISTING UNIT TO LIKE NEW OPERATING AND PERFÒRMANCE 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

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	' (

- (1) EXISTING RTU TO REMAIN. LOCATION SHOWN IS DIAGRAMMATIC, BASED ON SHELL DRAWINGS DATED 02/19/2024. FIELD VERIFY AND ADJUST DUCT WORK AS NEEDED.
- $\langle 2 \rangle$ ROUTE 4"ø 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.
- $\langle 3 \rangle$ CEILING MOUNTED EXHAUST FAN. ROUTE 60 "EXHAUST DUCT TO COMBINED 10" Ø EXHAUST DUCT.
- $\langle 4 \rangle$ DUCT SMOKE DETECTOR IN RETURN AIR DUCT. INSPECT AND TEST EXISTING DETECTOR WHERE PRESENT PRIOR TO REUSE. PROVIDE NEW IF ONE IS NOT PRESENT.
- (5) 22X10 TRANSFER AIR DUCT FROM LAY IN CEILING GRILLE TO GYP CEILING GRILLE IN HALL WAY.
- $\langle 6 \rangle$ 16X16 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.
- $\langle 7 \rangle$ 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
- (8) UNDERCUT DOOR BY 1.5 INCHES TO ALLOW AIR FROM TO ROOM TO TRANSFER INTO HALL.
- (9) 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: 1,435 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.

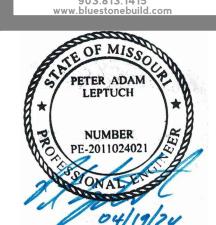
LEE'S SUMMIT, MO NOTE:

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

STRIP CENTER.

Peter A. Leptuch, P.E. 300 N. Carroll Blvd. #200 Denton, TX 76201 (940) 808-0615

Sherman, Texas 75092 903.813.1415



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

MECHANICAL

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

NOTES:

EXH

MARK

<u>EF-1</u>

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 YSTEMS), 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.

BEEM 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.

10"ø EXHAUST DUCT

UP THROUGH ROOF.

() 10°ø

C 350

C 350

DESCRIPTION SYMBOL 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 HEAT PUMP UNIT EXHAUST FAN

1 EX.

CFM

16/16

RTU-6 4.0 TONS

CFM

1,600 CFM -

A 150

MECHANICAL SYMBOL LEGEND

=

NECK CHART

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

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

2,000 1,825 LEASE SPACE RTU-4 175 +175 LEASE SPACE 1,600 1,475 RTU-6 125 +125 RESTROOM EF-2 -70 **RESTROOM** EF-3 70 -70 SHOWER DRYERS DRYER --880 DRYER DRYER MAKE-UP AIR 880 +880 MAKE UF TOTAL 3,600 | 3,300 1,180 1,090 +90 --

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

FOR ANY DOMESTIC DRYER THAT WILL BE INSTALLED AT THIS LOCATION. THE INSTALLATION INSTRUCTION MUST ALLOW THE

SAMPLE DRYER PLACARD

**PROVIDE XILTION XISTEN KONED EVALUATE LITERALITY (186) / JOJAL/INSTALKED SYSTEM/CAPACITY/PROVIDED.///

WARNING CHECK THE MANUFACTURER'S INSTALLATION INSTRUCTIONS 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).

PROMIDĖ XULAOS XUSTED XORYER ÆXHAUST DUGA POWER / / ,
NATILATOR/EQUAL/TO TUERMILUND/LBZ./THERE/SHALL/BE//
Y DUCT/SEAMS/BETWEEN/BOWER/XENTILATOR/AND////
ścharoe pony (oryer røgt nemt/cap/wajl port).//
STALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS!
O'- POWER VENTILATOR CAPACITY ////////////////////////////////////
S'/-/
/c'/ / TATKI /INGTAI VED &V&TDI / CXDXCVTV/DBCXIDGED / / /

NEIGHBORING TENANT ----

10/18

A 150

10/18

A 150

275

— NEIGHBORING TENANT ————

(8)

-OUTLINE OF GRAVITY

ROOF.

CFM

16/18

AIR INTAKE HOOD ON

RTU-4 5.0 TONS

150 F

2,000 CFM-

150

12"ø

12"ø

12"ø

(|) 400

400

400

M1.0

PLAN

Drawn by:

2024-04-03 Lee's Summit, MO HVAC Load Calculation - Office Space ASHRAE DESIGN: DB = |Heating Load Analysis: 70 Sensible Heat Loss: Design Temp $H_sensible$, O.A. = 1.08 * cfm * delta T -20088 (dT = 57F)H_sensible_OA = H_sensible, O.A. = 1.08 * cfm * delta T -6696 (dT = 57F)H_sensible_OA = -2356 (dT = 57F)+ sensible, walls = A*u*dT H_sens_wall = H sensible, floor = A*u*dT 4305 (dT = 3F) H_sens_floor = H sensible, roof = A*u*dT0 (dT = 57F)H_sens_roof = H_sensible, window conductance = A_glass*U*dT -3989.7 H_sens_glass =

300 (from ASHRAE calculation) Outside Air, ventilation = Outside Air, intrusion = 100 (from open doors on windy winter days) Outside Air = Roof / Floor Area = 1435 <---- update per site Wall Height - Average 19 <---- update per site Perimeter (unconditioned) 42 <---- update per site Wall Area = |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 0.047619048 Average Wall U-value Walls = R-floor = (R_net) = IU-floor R-roof = (R_net) = 38 EX. Roof

U-roof O Average Roof 0.45 (1.1/0.55) for (1-pane/2-pane) windows; Energy Star windows (0.55 max.). U-glass **Total Heating Load:** Safety Factor (25%) -36030.9 MBH **Space Load - Tonnage Required** 10.55695 KW

2024-04-03 Lee's Summit, MO Standard Case: IMC - 2018 - Table 403.3 Verification Rate Procedure Zone Identification Design Case Table Table From Table Outdoor Total Total Design % by Occupancy Area Expected Zone Breathing From Table Zone Factor: 403.3.1.1 403.3.1.1 Occupant Population Outdoor Airflow which Category Outdoor Primary Zp= Intake Airflow provided Outside Air Outdoor Air outdoor (#/1000 sf) Ventilation provided by by HVAC Design Flow Flow (CFM) Efficiency Exceeds (CFM) (CFM) (cfm/person) (cfm/sf) Standard (E_{v}) 1200 Office 15.1% 0.8 100 Reception 55.6 55.6 1000 79.9% 0.0 Restroom 0.8 0.0 100 32.0 50 25.6 0.8 32.0 32.0 600 56.3% Breakroom 187.4% 17.4 17.4 100 Corridor 232 0.06 13.9 0.8 17.4 Total 161.5 Total (CFM): 191.9 300 3000 $V_{bz} = R_p * P_z + R_a * A_z$ $|V_{pz}|$ = Total airflow provided by the HVAC equipment (Outdoor + Recirculated). $V_{oz} = V_{bz}/E_z$ $Z_p = V_{oz} / V_{pz}$ 880 CFM Clothes Dryer 210 CFM Restroom Required Exhaust = as required by Table 403.3.1.1 minimum exhaust rates. 1090 CFM Total Exhaust Required =

Terminology has been adopted from IMC 2018, refer to Chapter 4 of that code for additional terminology, equations, etc.

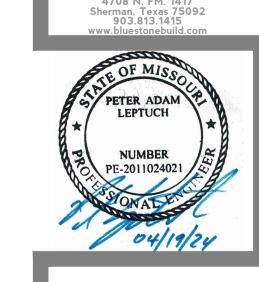
2" WIDE MIN. DUCT STRAP 48" O.C. MAX.— INSULATED FLEXIBLE DUCT -FLEXIBLE ELBOW — INSULATED FLEXIBLE DUCT-Peter A. Leptuch, P.E. 300 N. Carroll Blvd. #200 Denton, TX 76201 FIRE DAMPER LOCATION SPIN-IN FITTING WITH-(WHEN REQUIRED) — (940) 808-0615 BALANCING DAMPER AND 45' EXTRACTOR (DAMPER METAL SUPPLY DUCT VOLUME DAMPER -USED FOR ROUGH EXTERNALLY INSULATED (FOR FINAL BALANCE BALANCING) ADJUSTMENT) INSULATE TOP OF DIFFUSER -DIFFUSER CEILING TO REDUCE LIKELIHOOD OF CONDENSATION ON DIFFUSERS.

-*REFER TO THE MECHANICAL EQUIPMENT SCHEDULE FOR COMPONENT AND DEVICE SPECIFICATIONS.-

ALL FITTINGS SHALL -

BE FINISHED AND

\HVAC DUCTWORK DETAIL / SCALE: NOT TO SCALE



O

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TERMINATE WITH

GOOSENECK AND

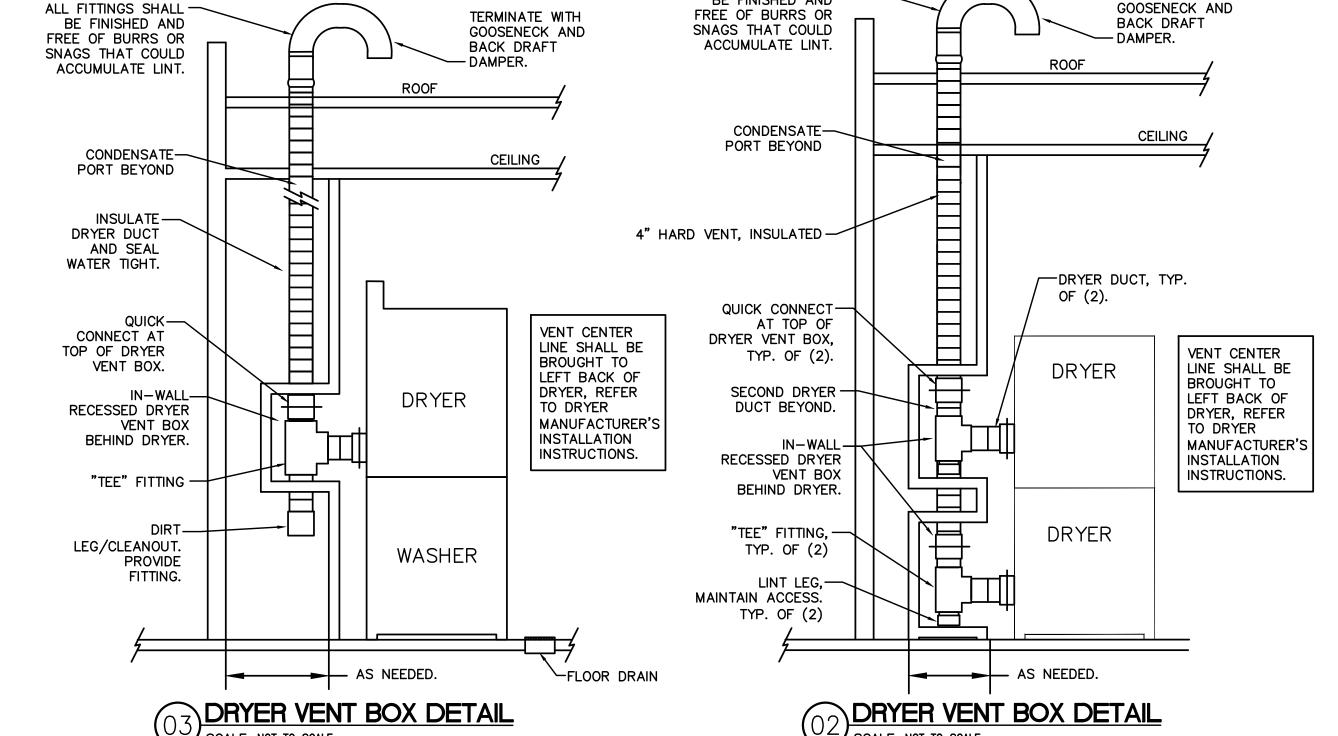
2024-04-03 **HVAC Load Calculation - Office Space** 24.128 Lee's Summit, MO ASHRAE DESIGN: DB = Cooling Load Analysis: Basis of Design: Kansas City, MO Sensible Heat: 72 F Design Indoor Temp H_sensible, O.A. = 1.08 * cfm * delta T 7776 dT = H_sensible_OA = 4897.655 |H_sensible, lighting = watts * 3.413 H_sens_ltg= 3770 H_sensible, people = 250 * # people H_sens_ppl = 40300 |H_sensible, equipment = watts * 3.413 H_sens_epmt = H_sensible, walls = A*u*dT 1520.0 (dT = 40F)H_sens_wall = H_sensible, floor = A*u*dT 1435 (dT = 1F) H_sens_floor = 1888.1579 (dT=50F) |H_sensible, roof = A*u*dT H_sens_roof = H sensible, window conductance = A glass*U*dT 1930.5 H_sens_glass = 7239.375 H_sensible, window transmittance = A_glass*SHGC*Et H_sens_solar gain = H latent, O.A. = 0.68 * q*delta w_grains 5263.2 H latent OA = 3770 H_latent, people = 250 * # people H_latent_ppl= |Lighting Load (watts) 1435 (from Comcheck/ T-24 / FlaCom) 40300 (Regular Sauna - 6,000 btu/hr each, Large Sauna - 10,000 btu/hr each) |Equipment Load (btu/hr) 15 (Auto Populate - from ASHRAE calculation) Occupant Load 98 <---- update per site Grains O.A. = Grains I.A. = 72.2 (72.2 is for saturated air at 58F) 300 (Auto Populate - from ASHRAE calculation) Outside Air, Ventilation = 1435 (Auto Populate - from ASHRAE calculation) |Roof / Floor Area = | Wall Height - Average 19 <---- update per site Perimeter (unconditioned) 42 <---- update per site Wall Area = |Window Length = 13 <---- update per site Window Height = 11 <---- update per site Window Area = 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) = U-floor R-roof = (R_net) = 38 Taken from shell drawings U-roof 0.026316 Average Roof U-glass 0.45 Assumed 0.45 Assumed Et = incident solar radiation 225 (assume peak daily, btu/hr p.s.f. Solar constant is 442 BTUH/hr at top of atmos, 317 at sfc.)) **Total Cooling Load:** 6.6491573 tons Space Load - Tonnage Required 87768.877 Safety Factor (10%)

Space Load - Recommended Tonnage

Tonnage Provided

7.3140731 tons

9.0 tons (Existing)



1. SET ROOF CURB ON STRUCTURAL STEEL -SHIM DEAD LEVEL. SECURE ROOF CURB TO

METAL DECK AND A/C UNIT TO ROOF

- TRANSITION TO CONNECTION SIZES IN
- 3. 1" ACOUSTIC LINING IN SUPPLY AND RETURN DUCTS FROM FAN DISCHARGE TO POINT INDICATED ON MECHANICAL DRAWINGS (10'-0" MIN.). DUCT SIZES INDICATED ON PLAN ARE INTERIOR AND DO NOT INCLUDE LINING. PAINT EXPOSED DUCTWORK TO MATCH CEILING. REFER TO ARCHITECTURAL DRAWINGS FOR COLOR SCHEME.

DUCT RISE, REFER TO PLANS FOR SIZES.

- THE MECHANICAL ENGINEER DOES NOT PROVIDE STRUCTURAL ENGINEERING SERVICES, AND RECOMMENDS TO THE OWNER THAT ANY ADDITIONS LOAD PLACED ON THE ROOF BE APPROVED BY A STRUCTURAL ENGINEER.
- 5. INSULATED ROOF CURB. PROVIDE MINIMUM OF 14" HIGH RTU CURBS. CURB MUST BE PLACED ON THE STRUCTURAL FRAMING.
- 6. FLEXIBLE CONNECTION TYPICAL.

IECC 2018 MECHANICAL COMMISSIONING NOTES:

WHERE 480,000 BTU/H OR MORE OF COOLING CAPACITY AND 600,000 BTU/H OF COMBINED SERVICE WATER—HEATING AND SPACE-HEATING CAPACITY WILL BE INSTALLED IN A TENANT SPACE, COMMISSIONING IS REQUIRED. MECHANICAL COMMISSIONING SHALL COMPLY WITH SECTION C408.2 (MECHANICAL SYSTEMS) OF FBCEC 2023.

IMC 2018 HVAC NOTES:

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

0 **REVISIONS** No. DATE NOTE

D	b	

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

MECHANICAL LOADS & **DETAILS**

Sheet: M2.0

ROOF-TOP UNIT DETAIL (TYPICAL)

CONDENSATE LINE SIZES:

UP TO 20 TONS CONNECTED.

*ROUTE TO APPROVED RECEPTOR VIA AIR GAP.

UP TO 21-40 TONS CONNECTED.

UP TO 41-90 TONS CONNECTED.

UP TO 91-125 TONS CONNECTED.

UP TO 126-250 TONS CONNECTED.

PLUMBING SPECIFICATIONS SECTION 15-A - PLUMBING <u>15A-01 GENERAL:</u> THERETO, INCLUDING VENTS. UNLESS NOTED OTHERWISE, THE BASELINE DESIGN ASSUMES THAT A GRAVITY FLOW SYSTEM MAY BE ACHIEVED. NOTIFY ARCHITECT IF INVERTS ARE TOO SHALLOW AND A LIFT STATION IS REQUIRED. 15A-02 MATERIALS RECOMMENDATIONS. TRUEBRO MODEL 102W "HANDI LAV GUARD" INSULATION KIT. POTABLE WATER PIPING RATED FOR USE WITH SUCH MATERIALS AS ARE BEING USED.

1.4 PROVIDE THERMAL OVERLOAD PROTECTION IN BOTH FLUORESCENT AND INCANDESCENT FIXTURES

1.5 NARRATIVE DESCRIPTION IN LIGHTING FIXTURE SCHEDULE TAKES PRECEDENCE OVER CATALOG NUMBER

1.6 PROVIDE INTEGRAL DISCONNECTING MEANS FOR ALL FLUORESCENT FIXTURES PER THE NEC

1.7 ORDER DIMMABLE VERSION OF FIXTURES WITH COMPATIBLE DIMMERS WHERE INDICATED AND WHERE NECESSARY TO COMPLY WITH ENERGY CODE.

6210 EXISTING CONDITION

1.1 VISIT SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS IN AND AROUND THE BUILDINGS

SAFETY SWITCHES SHALL BE HEAVY DUTY TYPE, 600 OR 250 VOLT, WITH NUMBER OF POLES REQUIRED. FUSED SAFETY SWITCHES SHALL BE QUICK-MAKE, QUICK-BREAK MECHANISM, VISIBLE BLADES WITH REJECTION TYPE FUSE CLIPS AND NEMA CLASS "LPJ" FUSES, THE SWITCHES SHALL BE NEMA 3R FOR OUTDOOR. ALL SWITCHES SHALL BE LOCKABLE.

ALL PLUMBING WORK SHALL CONFORM TO THE LANDLORD'S CRITERIA, THE STATE, COUNTY, CITY, LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS INCORPORATE ALL REQUIREMENTS WITH THIS WORK, WHETHER SPECIFICALLY INDICATED ON PLANS OR NOT. ADVISE ARCHITECT IF REQUIREMENTS ARE CONTRARY TO THESE PLANS. IT IS INTENDED THAT THE CONTRACTOR SHALL PROVIDE A COMPLETE AND

THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS AND FEES REQUIRED OR RELATED TO HIS

CONTRACTOR SHALL DETERMINE THE LOCATION OF EXISTING WATER SUPPLY AND DRAIN LINES AND MAKE PROPER CONNECTION

ALL MATERIALS SHALL BE NEW AND SHALL FIT THE SPACE AVAILABLE. VERIFY ALL DIMENSIONS AT THE SITE.

ALL VALVES, CLEANOUTS, ETC., SHALL BE SO LOCATED AND INSTALLED TO PERMIT ACCESS FOR SERVICE WITHOUT DAMAGE TO BUILDING OR FINISHED MATERIAL.

ALL PLUMBING EQUIPMENT AND WORK SHALL BE GUARANTEED FOR ONE YEAR AFTER FINAL ACCEPTANCE BY LANDLORD AND

REFER TO PLANS FOR SCHEDULES OF EQUIPMENT AND FIXTURES. AMERICAN STANDARD, KOHLER AND CRANE ARE CONSIDERED ACCEPTABLE AS EQUALS. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S

WHERE NOT OTHERWISE SPECIFIED THROUGHOUT THE DRAWING SET, WASTE, DRAIN AND VENT PIPING SHALL BE PER LOCAL CODE AND AUTHORITY HAVING JURISDICTION. VENT PIPING ABOVE FLOOR 2" OR SMALLER MAY BE GALVANIZED STEEL.

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.

INSULATE THE TRAP, SANITARY AND SUPPLY PIPES UNDER LAVATORY WITH 1/2" ARMSTRONG "ARMAFLEX" PIPING INSULATION OR

CLEAN-OUTS AND FLOOR DRAINS SHALL BE INSTALLED PER LOCAL CODES.

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.

ANY WASTE PIPING EXPOSED IN PARKING AREAS SHALL BE PROTECTED FROM MECHANICAL DAMAGE. PROVIDE WITH FREEZE PROTECTION (HEAT TAPE & INSULATION) WHERE SUBJECT TO POSSIBLE FREEZING CONDITIONS.

Water Piping in Ceiling space and within walls may be type 'l' copper or pex, isntalled per

BELOW GRADE: TYPE "K", ANNEALED TEMPERED COPPER TUBE FOR PIPE SIZES 2 INCHES AND SMALLER.

WHERE APPLICABLE, TRANSITIONS BETWEEN COPPER AND PLASTIC PIPE SHALL BE MADE BY SHARKBITE OR SIMILAR TRANSITIONS,

PIPING OF DISSIMILAR METALS MUST BE DI-ELECTRICALLY SEPARATED.

INSULATE ALL HOT WATER, COLD WATER AND CONDENSATE PIPING WITH 1" THICK (K=0.23 @ 75F) PIPE INSULATION WITH AN ALL-SERVICE JACKET TO MEET LOCAL CODES AND UL FLAME SPREAD AND SMOKE DEVELOPED RATINGS. OWENS-CORNING OR

INSTALL AIR CHAMBER SHOCK ABSORBERS IN BOTH HOT AND COLD LINES OF PIPING SYSTEM TO PREVENT NOISE AND DAMAGE DUE TO WATER HAMMER. J.R. SMITH 5000 SERIES ALL STAINLESS STEEL "HYDROTROLS" OR EQUAL, INSTALLED IN AN UPRIGHT

ALL BRANCH PIPING SYSTEMS SHALL HAVE ACCESSIBLE SERVICE VALVE. PROVIDE SHUT OFF VALVES ON THE SUPPLY PIPING TO EVERY FIXTURE. PROVIDE ACCESS DOORS WHERE NECESSARY.

INSTALL ALL NECESSARY PIPE HANGERS, SADDLES AND CARRIERS TO PROPERLY SUPPORT ALL PIPING AND FIXTURES. HANGERS SHALL SUIT TYPE OF PIPING AND SEISMIC BRACING WHERE REQUIRED BY CODES.

STERILIZE WATER SYSTEM IN ACCORDANCE WITH LOCAL CODES PRIOR TO BEGINNING USE.

ESCUTCHEONS SHALL BE CHROME PLATED, SIZE AS REQUIRED AND PLACE AT ALL PIPE PENETRATIONS AT WALL, FLOORS AND CEILINGS IN FINISHED AREAS.

LEAKAGE TESTS SHALL BE PER LOCAL CODES.

FLASHING SHALL BE SEALED WATERTIGHT AND PERFORMED IN ACCORDANCE TO THE LANDLORD'S CRITERIA. USE LANDLORD APPROVED ROOFING CONTRACTOR WHERE APPLICABLE.

PROVIDE A COMPLETE GAS PIPING SYSTEM IF APPLICABLE. REFER TO PLANS TO DETERMINE IF A GAS SYSTEM IS REQUIRED. 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.

PROVIDE A GAS COCK, DIRT LEG, AND UNION CONNECTION TO EACH PIECE OF EQUIPMENT. PITCH PIPING AT A UNIFORM GRADE OF 1/4" IN 15 FEET UPWARD IN DIRECTION OF FLOW. SUPPORT

PIPING EVERY 5 FEET. SUPPORT AS REQUIRED BY LANDLORD CRITERIA, AS DETAILED ON DRAWINGS, OR BY STANDARD INDUSTRY PRACTICE, WHICHEVER IS MORE STRINGENT.

GAS PIPING EXPOSED ON ROOF MUST BE PAINTED WITH TWO COATS OF RUST-INHIBITING PAINT.

GAS PIPING INSTALLED IN RETURN AIR PLENUMS SHALL BE SLEEVED AND VENTED OR WELDED IN ACCORDANCE WITH THE LOCAL GAS COMPANY, LOCAL CODE AND APPLICABLE NFPA 54 CODES. TESTING AND PURGING OF GAS PIPING SHALL BE DONE PER THE REQUIREMENTS OF THE LOCAL GAS COMPANY, LOCAL CODES AND APPLICABLE NFPA 54 CODES.

CONTACT AND COORDINATE GAS SERVICE AND METER REQUIREMENTS WITH THE LOCAL GAS COMPANY PRIOR TO BID. INCLUDE INSTALLATION OF GAS METER COSTS IN BID. PROVIDE REGULATORS AS NEEDED.

WHERE PROPANE GAS IS USED, PROVIDE TANK. VERIFY LOCATION ON SITE. COORDINATE PIPE PATH TO BUILDING.

MECHANICAL SPECIFICATIONS

<u>SECTION 15-C - HEATING, VENTILATION, AIR CONDITIONING</u>

15C-01 GENERAL

ALL WORK SHALL CONFORM TO THE LANDLORD'S CRITERIA, THE STATE, COUNTY, CITY CODES AND ORDINANCES, SAFETY AND HEALTH CODES NFPA CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. INCORPORATE ALL REQUIREMENTS INTO THIS WORK, WHETHER SPECIFICALLY INDICATED ON PLANS OR NOT. ADVISE ARCHITECT IF REQUIREMENTS CONTRADICT THESE PLANS. IT IS INTENDED THAT THE CONTRACTOR SHALL PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.

THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED OR RELATED TO

ALL MATERIALS SHALL BE NEW AND SHALL FIT THE SPACE AVAILABLE. VERIFY ALL DIMENSIONS AT THE SITE PRIOR TO ORDERING OR FABRICATING DUCTWORK.

ALL VALVES, DAMPERS, ETC., SHALL BE SO LOCATED AND INSTALLED TO PERMIT ACCESS FOR SERVICE WITHOUT DAMAGE TO BUILDING OR FINISHED MATERIALS.

ALL EQUIPMENT AND WORK SHALL BE GUARANTEED FOR ONE YEAR AFTER FINAL ACCEPTANCE BY LANDLORD AND TENANT.

LABEL ALL RTUS WITH RTU# AND TENANT'S NAME.

15C-02 MATERIALS

REFER TO PLANS FOR SCHEDULES OF EQUIPMENT. $\,$ ALL EQUIPMENT SHALL BE COMPLETE IN EVERY RESPECT WITH ALL DEVICES, APPURTENANCES, AND ACCESSORIES PROVIDED TO MEET THE DESIGN INTENT AND OPERATION OF THE SYSTEMS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN. EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL AIR CONDITIONING EQUIPMENT MUST BE TRAPPED IN ACCORDANCE WITH MANUFACTURERS DATA.

BASE BID SHALL BE FOR RIGID METAL DUCTWORK.

RETURN AIR DUCTS ARE TO BE OF OPPOSED BLADE TYPE.

FABRICATE AND INSTALL RECTANGULAR AND ROUND DUCTWORK IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS" OF THE LATEST EDITION.

INSTALL TURNING VANES IN ALL RIGHT ANGLE ELBOWS OF 1200 CFM OR MORE.

INSTALL RIGID ROUND AND RECTANGULAR WITH SUPPORT SYSTEMS INDICATED IN SMACNA STANDARDS.

PROVIDE SWAY AND SEISMIC BRACING AS REQUIRED BY STATE AND LOCAL CODES OR BY LANDLORD. ALL JOINTS AND SEAMS SHALL BE SEALED. TOTAL LEAKAGE SHALL NOT EXCEED 5% FOR THE SYSTEM.

CONNECTED DEVICE SMOOTH DUCT TRANSITIONS ARE TO TAKE PLACE JUST PRIOR TO DEVICE CONNECTIONS.

ALL DUCTWORK SHALL BE INSTALLED WITH INSIDE CLEAR DIMENSIONS AS NOTED ON DRAWINGS. UPSIZE DUCTWORK AS NEEDED WHEN INTERNAL INSULATION IS NEEDED (E.G. DOUBLE-WALL SPIRAL DUCTWORK). WHERE DUCTWORK SIZE IS LARGER THAN

FLEXIBLE COLLARS AT EQUIPMENT SHALL BE PROVIDED IN ALL CONNECTIONS BETWEEN VIBRATING EQUIPMENT AND DUCTS OR CASINGS. FLEXIBLE CONNECTIONS SHALL CONSTRUCTED OF NEOPRENE—COATED FLAMEPROOF FABRIC. PROVIDE ADEQUATE JOINT FLEXIBILITY TO ALLOW FOR MOVEMENT AND PREVENT THE TRANSMISSION OF VIBRATION.

FLEXIBLE AIR DUCT AT AIR DEVICES SHALL BE 1" INSULATED CLASS 1 AND RATED FOR THE OPERATING PRESSURE OF THE SYSTEM. DUCT CONSTRUCTION MATERIAL MUST ADHERE TO LOCAL CODES AND LANDLORD'S REQUIREMENTS.

PROVIDE MANUAL LOCKING QUADRANT VOLUME CONTROL DAMPERS WITH HANDLE OPERATORS IN EACH BRANCH DUCT AND AS SHOWN ON PLANS TO FACILITATE AIR BALANCING. ALL RECTANGULAR DAMPERS IN OUTSIDE AIR, RELIEF AIR, EXHAUST OR

PROVIDE PRIMARY FIRE DAMPERS WHERE INDICATED OR REQUIRED BY CODES. FIRE DAMPERS SHALL BE UL LABELED. FIRE DAMPERS SHALL HAVE THE BLADES OUT OF THE AIRSTREAM AND A 165°F FUSIBLE LINK, TYPE B, AS MINIMUM.

DUCTWORK INSULATION

INSTALL INSULATION PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES. INSULATION MUST COMPLY WITH NFPA 90A.

DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. ALL SUPPLY AND RETURN AIR RECTANGULAR DUCTWORK SHALL BE INSULATED. WHERE INTERNAL INSULATION IS USED, UPSIZE DUCTWORK AND PROVIDE 1" THICK, 16 1 1/2" LB. DENSITY LINER (C=0.28 @ 75'F.). LINER IS TO HAVE A COATED SURFACE EXPOSED TO AIRSTREAM TO PREVENT EROSION.

APPLY ADHESIVES AND MECHANICAL FASTENERS AS RECOMMENDED BY SMACNA AND THE MANUFACTURER TO PREVENT LINER SEPARATION FROM THE DUCT. ALL TRANSVERSE EDGES TO BE COATED WITH ADHESIVE.

WHERE EXTERNAL INSULATION IS USED, PROVIDE WITH A MINIMUM OF 1 1/2" THICK, #1 DENSITY (R=5.6) DUCT WRAP. ALL JOINTS MUST BE TAPED TO THAT NO INSULATION FIBER IS VISIBLE. EXTEND DUCTWORK INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, AND SIMILAR PENETRATIONS.

AIR CONDITIONING DUCTWORK SHALL BE INSULATED. EXPOSED DUCTWORK SHALL BE INTERNALLY INSULATED. RETURN AIR DUCTWORK SHALL HAVE 10' OF INTERNAL INSULATION BEGINNING AT DROP FROM UNIT. EXHAUST DUCT MAY BE UNINSULATED. OUTSIDE AIR DUCTS SHALL BE INSULATED FOR RESTAURANT, FITNESS, OR OTHER PROJECTS GENERATING A LARGE AMOUNT OF

ALL INSULATION SHALL HAVE A FLAME SPREAD RATING OF NO MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NO HIGHER THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM C 411, OR AS REQUIRED BY LOCAL CODES.

*WHERE APPLICABLE, GREASE DUCT SHALL BE WELDED BLACK IRON AND SHALL HAVE UL-LISTED GREASE DUCT WRAP, 2 LAYERS, INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALL PER NFPA 96.

*DRYER DUCTS, WHEN USED, SHALL BE GALVANIZED SHEET METAL WITH 1" INSULATION.

TESTING, ADJUSTING AND BALANCING:

BASE BID SHALL BE FOR THE TESTING, ADJUSTING AND BALANCING OF ALL WORK TO BE MADE BY AN INDEPENDENT CONTRACTOR WHO IS A CURRENTLY LICENSED ASSOCIATED AIR BALANCING COUNCIL (AABC) OR NATIONAL ENVIRONMENTAL BALANCE BUREAU (NEBB) BALANCING CONTRACTOR. ALL BALANCING WORK MUST BE COMPLETE AND DONE IN ACCORDANCE WITH THE MOST RECENT STANDARDS OF THEIR SOCIETY. PAYMENT OF ALL COSTS FOR TESTING AND BALANCING SHALL BE INCLUDED IN THE BID.

BALANCE AIR AND WATER QUANTITIES TO WITHIN +/-5% OF THAT INDICATED ON THE DRAWINGS. ANY REQUIRED CHANGES IN SHEAVES, BELTS, PULLEYS OR THE ADDITION OF DAMPERS REQUIRED TO ACHIEVE SPECIFIED FLOW RATES SHALL BE PERFORMED BY THE HVAC CONTRACTOR WITH NO ADDITIONAL COST TO THE TENANT.

FOUR COPIES OF THE BALANCE REPORT SHALL BE SUBMITTED TO TENANT AND LANDLORD FOR APPROVAL

RECORD DRAWINGS

AT THE END OF THE PROJECT THIS CONTRACTOR SHALL SUBMIT 4 COPIES OF RECORD DRAWINGS SHOWING EXACT LOCATIONS OF UNITS, DUCTS, DIFFUSERS, ETC.

GENERALLY, AN ECONOMIZER IS REQUIRED BY THE LATEST VERSIONS OF IECC IN ALL JURISDICTIONS EXCEPT SOUTH FLORIDA (CLIMATE ZONE 1). THE MECHANICAL CONTRACTOR SHALL ORDER ALL NEW ROOF-TOP HVAC UNITS WITH ECONOMIZERS, THE MECHANICAL CONTRACTOR SHALL ORDER ALL SPLIT SYSTEMS, FAN COIL UNITS, WATER SOURCE HEAT PUMPS, OR OTHER MECHANICAL UNITS THAT ARE TO BE OPERATED MORE THAN 20 HOURS PER WEEK WITH ECONOMIZERS, FACTORY INSTALLED WHERE POSSIBLE OR WITH CAPABILITY FOR ECONOMIZER WHERE CONTROLS ARE TO BE FIELD INSTALLED, AND TO INSTALL ALL COMPONENTS — SUCH AS OUTSIDE AIR DUCTS AND DUAL ENTHALPY SENSORS, CONTROLS, ETC. THE CONTRACTOR SHALL VERIFY WITH THE LOCAL INSPECTOR WHAT VERSION OF ENERGY CODE IS ENFORCED IN THE JURISDICTION OF THE PROJECT AND FOR UNITS OTHER THAN PACKAGED ROOFTOP UNITS MAY OMIT THE ECONOMIZER PACKAGE WHERE THE AHJ DOES NOT REQUIRE IT. ON BUILDINGS WITH LESS THAN 25 TONS OF INSTALLED HVAC, WHERE UNITS ARE 4.5 TONS OR SMALLER, THE ECONOMIZER EXEMPTION MAY BE USED UNDER SOME CIRCUMSTANCES. VRF SYSTEMS TYPICALLY DO NOT REQUIRE ECONOMIZERS.

ROOFTOP UNIT SEQUENCE OF OPERATION - CO2 SENSOR & ECONOMIZER

THE SUPPLY FAN IS TO RUN CONTINUOUSLY DURING THE OCCUPIED MODE AND CYCLE ON AND OFF DURING THE UNOCCUPIED MODE BASED ON A CALL FOR HEATING OR COOLING. THE UNOCCUPIED SET POINT FOR COOLING WILL BE 85° FAHRENHEIT AND 60° FAHRENHEIT FOR HEATING.

THE ADJUSTABLE ROOM THERMOSTAT WITH AUTOMATIC HEATING / COOLING CHANGEOVER SHALL CONTROL THE SPACE TEMPERATURE BASED ON SET POINT. THE CONTROL OF THE OCCUPIED / UNOCCUPIED SETBACK MODE SHALL BE THROUGH THE THERMOSTAT. PROVIDE 24/7 CONTROLLABLE TYPE. THERMOSTATS SHALL HAVE AUTOMATIC CHANGEOVER, 5 DEGREE DEADBAND (TEMPERATURE SET-POINT OVERLAP RESTRICTIONS) AND SHALL ALLOW AUTOMATIC RESTART AND TEMPORARY OPERATION AS REQUIRED FOR MAINTENANCE, PER ENERGY CODE.

THE UNIT SHALL BE TOTALLY DISABLED WHEN THE DUCT MOUNTED SMOKE DETECTOR IS ACTIVATED. PROVIDE REMOTE TEST

STATION/ALARM AT A REGULARLY OCCUPIED LOCATION WHEN REQUIRED BY CODE. PROVIDE LANDLORD REQUIRED SEQUENCE OR INTERFACE AS REQUIRED.

COOLING CONTROL:

UPON A CALL FOR COOLING, THE FIRST STAGE OF COOLING WILL BE ENABLED AND WILL OPERATE UNTIL THE SPACE TEMPERATURE IS SATISFIED. IF THE SPACE TEMPERATURE CONTINUES TO INCREASE THEN THE SECOND STAGE OF COOLING WILL BE ENABLED (IF APPLICABLE.)

HEATING CONTROL: UPON A CALL FOR HEATING, THE FIRST STAGE OF HEATING WILL BE ENABLED AND WILL OPERATE UNTIL THE SPACE TEMPERATURE IS SATISFIED. IF THE SPACE TEMPERATURE CONTINUES TO DECREASE THEN THE SECOND STAGE OF HEATING WILL BE ENABLED (IF APPLICABLE.)

VENTILATION/ECONOMIZER CONTROL:

(WHERE REQUIRED BY A.H.J, OR WHERE CALLED FOR ELSEWHERE IN THE DRAWING SET): THE OUTSIDE AIR DAMPER SHALL BE OPEN DURING THE OCCUPIED HEATING AND COOLING MODES FOR CODE REQUIRED MINIMUM OUTSIDE AIR VENTILATION AND SHALL REMAIN CLOSED DURING THE UNOCCUPIED MODE. IN THE OCCUPIED MODE THE CO2 SENSOR SHALL MODULATE THE OUTSIDE AIR DAMPER WHEN THE UNIT IS OPERATING BETWEEN THE MINIMUM OUTSIDE AIR MODE AND 50% OUTSIDE AIR.

THE ECONOMIZER MODE IS ENTHALPY CONTROLLED AND WILL BE OPERATIONAL WHENEVER COOLING IS REQUIRED AND THE OUTSIDE AIR ENTHALPY IS AT OR BELOW THE RETURN AIR ENTHALPY. THE POWER EXHAUST (WHERE SPECIFIED) SHALL OPERATE WHENEVER THE OUTSIDE AIR DAMPER IS OPEN MORE THAN 60%.

FIRE PROTECTION SYSTEM (AS NEEDED)

SPRINKLER SYSTEM TO BE NFPA 13 AND SPRINKLER MONITORED WITH OCCUPANCY NOTIFICATION COMPLYING WITH H.C. AMENDMENTS - 903.4.

FIRE SPRINKLER AND FIRE ALARM WORK SHALL BE DONE UNDER A SEPARATE PERMIT (DESIGN/BUILD) BY LICENSED FIRE SPRINKLER AND FIRE ALARM CONTRACTORS.

16270 FIRE ALARM SYSTEM

1.1 FURNISH AND INSTALL FIRE ALARM POWER BOOSTER TO EXISTING BUILDING FIRE ALARM PANEL AS INDICATED ON DRAWINGS. THE FIRE ALARM SYSTEM NEW DEVICES SHALL BE FORMALLY PLANNED BY A LICENSED FIRE ALARM CONTRACTOR WHO SHALL SUBMIT SIGNED AND SEALED DRAWINGS, IF REQUIRED FOR PERMIT, AND SHALL SUPERVISE AND CERTIFY THE INSTALLATION. FIRE ALARM SYSTEM CONTRACTOR SHALL REVIEW THE MECHANICAL DRAWINGS AND PROVIDE AND INSTALL DUCT SMOKE DETECTORS AS REQUIRED IN THE STANDARD MECHANICAL CODE AND BY THE LOCAL FIRE MARSHALL. DESIGN SHALL COMPLY WITH NFPA 72. PROVIDE VOICE EVACUATION MODULES WITH ALL NECESSARY APPURTENANCES WHERE NECESSARY.

REMOTE ANNUNCIATOR

PROVIDE AN ALPHANUMERIC ANNUNCIATOR WITH INTEGRAL ALPHANUMERIC DISPLAY, SYSTEM CONTROL/TEST SWITCHES, KEY OPERATED ENABLED SWITCH AND BACK BOX. COORDINATE LOCATION WITH AUTHORITY HAVING JURISDICTION PRIOR TO ROUGH-IN.

MANUAL STATIONS PROVIDE ANALOG ADDRESSABLE MANUAL STATIONS WITH PROTECTIVE COVERS (WITH INTEGRAL HORN AND 9V BATTERY) AS

SHOWN ON THE PLANS.

PROVIDE ANALOG ADDRESSABLE PHOTOELECTRIC SMOKE DETECTORS WITH BASES AS SHOWN.

<u>DUCT MOUNTED SMOKE DETECTORS</u>

PROVIDE DUCT MOUNTED ANALOG ADDRESSABLE PHOTOELECTRIC SMOKE DETECTORS WITH SAMPLING TUBES AND ADDRESSABLE CONTROL RELAYS AS SHOWN ON THE PLANS AND AS REQUIRED TO COMPLY WITH THE MECHANICAL CODE. WHERE DUCT SMOKE DETECTORS ARE INSTALLED IN CONCEALED LOCATIONS MORE THAN 10 FEET ABOVE THE FINISHED FLOOR, OR AN ARRANGEMENT WHERE THE DETECTORS ALARM OR SUPERVISORY INDICATOR IS NOT VISIBLE TO RESPONDING PERSONNEL, THE DETECTOR SHALL BE PROVIDED WITH REMOTE ALARM OR SUPERVISORY INDICATION IN A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION. ADDITIONALLY, LABEL REMOTE ALARMS TO INDICATE BOTH THEIR FUNCTION AND THE AIR HANDLING UNITS(S) ASSOCIATED WITH EACH DETECTOR.

ADDRESSABLE MONITOR MODULES PROVIDE ADDRESSABLE MONITOR MODULES AS SHOWN ON THE PLANS TO MONITOR SPRINKLER FLOW SWITCHES, SPRINKLER

VALVES, SUPERVISORY SWITCHES AND SPRINKLER FIRE PUMP (AS REQUIRED).

CONTROLS (WHERE APPLICABLE) AND HVAC CONTROLS (AS REQUIRED).

1.8 <u>ALARM SIGNALS</u> PROVIDE 15/75-WW SPEAKER/STROBE ALARM SIGNALS AS SHOWN ON THE PLANS FOR ALL PUBLIC AREAS. PROVIDE 15/75-WW STROBE VISUAL ALARM SIGNALS FOR ALL STROBE ONLY LOCATIONS AS SHOWN ON THE PLANS, 110 CANDELA.

PROVIDE ADDRESSABLE CONTROL MODULES AS REQUIRED FOR INTERFACE WITH THE ELEVATOR CONTROLS, ELEVATOR POWER

WIRING SHALL BE CONCEALED IN CONDUIT. PROVIDE WIRING AND CONDUIT AS DIRECTED BY THE MANUFACTURER'S AUTHORIZED DISTRIBUTOR.

1.10 APPLICABLE CODES AND STANDARDS ALL EQUIPMENT SHALL BE UL LISTED FOR ITS INTENDED USE. INSTALL PER CODE AND PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

ALL RACEWAYS AND WIRING SHALL BE INSTALLED IN COMPLIANCE WITH NFPA STANDARD 70 (NATIONAL ELECTRIC CODE)

NFPA STANDARDS 71 AND 72

NFPA 101 (LIFE SAFETY CODE)

AMERICANS WITH DISABILITIES ACT (ADA) INTERNATIONAL BUILDING CODE (IBC), UNIFORM BUILDING CODE (UBC), STATE BUILDING CODE, OR TITLE-24, AS

APPLICABLE LOCAL AND NATIONAL CODES AND AUTHORITIES HAVING JURISDICTION

1.11 SYSTEM OPERATION

ACTUATION OF ANY FIRE ALARM INITIATING DEVICE SHALL IMMEDIATELY CAUSE THE FOLLOWING ACTIONS TO BE INITIATED: a. IDENTIFY THE TYPE OF ALARM, SPECIFIC DEVICE AND LOCATION ON THE BACK LIT LCD DISPLAY AT THE BUILDING

FIRE ALARM CONTROL PANEL AND AT THE REMOTE ANNUNCIATORS

b. Cause the system alarm led to flash at the fire alarm control panel

c. CAUSE ALL SYSTEM HORNS TO SOUND d. CAUSE ALL VISUAL ALARMS SIGNALS TO FLASH

e. ACTIVATE THE DIGITAL COMMUNICATOR TO REPORT THE TYPE OF ALARM AND LOCATION TO THE REMOTE CENTRAL

MONITORING STATION. COORDINATE CONNECTIONS WITH OWNER'S REPRESENTATIVE. f. ACTIVATE SIGNALS TO THE BUILDING DOOR LOCK CONTROLS TO DEACTIVATE LOCKS g. ACTIVATE SIGNALS TO THE HVAC CONTROLS TO INITIATE SHUT DOWN OR REROUTING OF AIR HANDLING SYSTEMS

1.12 ACTIVATION OF ANY SPRINKLER VALVE SUPERVISORY SWITCH SHALL AUTOMATICALLY:

a. Cause the system supervisory led to flash and an audible indicator to sound at the control panel AND REMOTE ANNUNCIATOR

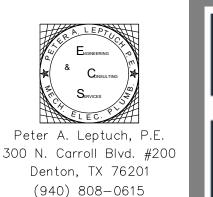
b. IDENTIFY THE SUPERVISORY CONDITION, SPECIFIC DEVICE AND LOCATION ON THE BACK LIT LCD DISPLAY AT THE SYSTEM CONTROL PANEL AND THE REMOTE ANNUNCIATOR.

ADDITIONAL FIRE PROTECTION NOTES:

LEE'S SUMMIT, MO NOTE

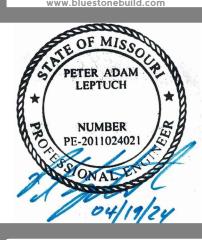
FIRE PROTECTION DRAWINGS WILL BE SUBMITTED SEPARATELY FOR SEPARATE PERMIT BY LICENSED FIRE SPRINKLER/FIRE ALARM CONTRACTOR, WHERE REQUIRED.

DRAWING INFORMATION IS DISTRIBUTED THROUGHOUT THE DOCUMENT SET. CONTRACTORS SHALL THOROUGHLY REVIEW ALL SHEETS AND SHALL NOTIFY CONSTRUCTION MANAGER FOR DIRECTION IF DISCREPANCIES ARE FOUND.





Sherman, Texas 75092 903.813.1415 PETER ADAM LEPTUCH



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Project No: April 19, 2024

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SPECIFICATIONS

Drawn by:

Checked by:

ROOF AND GAS KEYED NOTES '(#)' **ROOF AND GAS PLAN NOTES** (1) MAINTAIN 10'-0" BETWEEN OUTSIDE AIR INTAKES AND ALL EXHAUST SOURCES, MECHANICAL CONTRACTOR SHALL PROVIDE OFFSETS AS NEEDED TO ENSURE EXHAUST FANS ARE 10'-0" AWAY FROM NEIGHBORING TENANT'S FRESH AIR INTAKES. COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, $\langle 2 \rangle$ CLOTHES DRYER MAKE-UP AIR DUCT FROM NEW ROOF MOUNTED GRAVITY INTAKE HOOD EQUAL TO GREENHECK MODEL GRSI-18. PROVIDE WITH ROOF CURB AND BUG SCREEN. (3) EXISTING ROOFTOP UNIT. REFER TO EQUIPMENT SCHEDULE SHEET M1.0. APPROVED ROOFING CONTRACTOR. PROVIDE FLEXIBLE CONNECTORS FOR THE SUPPLY AND RETURN AIR DUCT CONNECTIONS. TRANSITION TO DUCT SIZES SHOWN. PROVIDE CANT STRIPS, FLASHING, AND WEATHER PROOFING AROUND RTU AS NEEDED. $|\langle 4 \rangle$ LEAVE EXISTING CONDENSATE DISCHARGE AS-IS WHERE CODE-COMPLIANT. OTHERWISE ROUTE TO ROOF DRAIN OR APPROVED RECEPTOR. MATERIALS NECESSARY FOR A COMPLETE SYSTEM. SUBMIT SHOP DRAWINGS PER THE SPECIFICATIONS. DRYER VENT DUCT UP THROUGH ROOF TO MANUFACTURER'S GOOSENECK WITH BACK DRAFT DAMPER. 6 10"ø RESTROOM EXHAUST DUCT UP THROUGH ROOF. TERMINATE WITH EXHAUST VENT CAP. COORDINATE ROOF ACCESS WITH LANDLORD. SHELL DRAWINGS SHOW FIXED LADDER AT REAR FACE OF BUILDING. FLEXIBLE DUCTWORK. FLEXIBLE DUCTWORK SHALL BE INSTALLED FREE OF ANY KINKS OR LEE'S SUMMIT, MO NOTE: UNITS SHALL USE SAME ROOF PENETRATION IF POSSIBLE, VERIFY CURB REUSE WITH LANDLORD, ANY NO GAS WORK ANTICIPATED TO BE DONE. NEW RTU LOCATIONS SHALL BE APPROVED BY STRUCTURAL ENGINEER. ALL GAS TO EQUIPMENT BEING UTILIZED TO REMAIN AS-IS. OWNER PRIOR TO COMPLETION OF WORK. LEE'S SUMMIT, MO NOTE: PER EXHIBIT "C-4" LANDLORD'S WORK, ALL ROOFING PENETRATIONS ARE TO BE PERFORMED BY LANDLORD'S DESIGNATED ROOFING CONTRACTOR. UPON COMPLETION, DESIGNATED ROOFING CONTRACTOR TO PROVIDE A CERTIFICATE TO OWNER AND LANDLORD THAT ROOFING ALTERATIONS HAVE BEEN COMPLETED IN SUSPENDED FROM THE BOTTOM OF THE ROOF DECK. ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE LANDLORD. WITHIN 10'-0" OF ANY EXISTING OR PROPOSED FRESH AIR INTAKE. MAY IMPACT THE STRUCTURAL INTEGRITY OF THE SPACE. — NEIGHBORING TENANT ———— EXISTING GAS-METER. GAS DEMAND TO REMAIN 160 CFH. NO CHANGES. (b) (6) EXISTING 1" -GAS LINE EXISTING 1" 5 5 5GAS LINE RTU-6 4.0 TONS 1,600 CFM RTU-4 5.0 TONS 2,000 CFM EXISTING -1-1/4" GAS LINE CONTRACTOR SHALL VERIFY
THAT THERE IS AN EXISTING EXISTING 1-1/4" GAS LINE CONVENIENCE RECEPTACLE WITHIN 25' OF RTU. OTHERWISE, PROVIDE NEW AS SHOWN. (TYP. OF 2) — NEIGHBORING TENANT ————

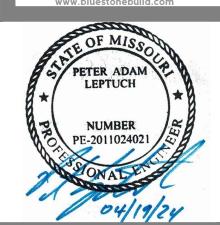
- CONTRACTORS AND SUB CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCING THE COMPLETE DOCUMENT SET.
- REQUIREMENTS OF THE OWNER AND CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT
- ALL ROOFING WORK (CUTS, REPAIRS, SPUD WORK, ETC.) SHALL BE PERFORMED BY THE LANDLORD'S
- DRAWINGS FOR THE MECHANICAL 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 DUCTWORK, CONNECTIONS, OFFSETS, ACCESSORIES AND
- ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE AUTHORITY HAVING JURISDICTION INCLUDING APPLICABLE SECTIONS OF NFPA, OSHA, BOCA, NEC. AND IBC OR ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK AND OBTAIN ALL INSPECTIONS REQUIRED BY
- FLEXIBLE DUCT SHALL NOT EXCEED 5' IN LENGTH. ONLY ONE 90 DEGREE ELBOW ALLOWED IN RESTRICTIONS THAT WOULD REDUCE AIRFLOW. FLEX DUCT ALLOWED ONLY ABOVE CONCEALED
- ROOF WORK THAT MUST BE DONE SHALL BE BY LANDLORD-APPROVED ROOFING CONTRACTOR. ANY
- TENANT'S G.C. SHALL PROVIDE TEST AND BALANCE REPORT (BY NEBB/AABC CONTRACTOR) TO
- 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 DUCT WORK, CONDUITS, PIPES, BANNERS, SIGNAGE, OR CURTAIN/SUSPENDED FURR-DOWNS OR WALLS ARE TO BE SUSPENDED FROM THE BOTTOM OF THE ROOF STRUCTURE, WITHOUT APPROVAL. NO TENANT FINISH-OUT 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
- 10. CONTRACTOR MAY ADJUST VENT LINE LOCATIONS AND REUSE EXISTING VTR(S) WHERE VENT IS NOT
- 1. THE MEP PLANS ARE NOT STRUCTURAL ENGINEERING PLANS. OBTAIN STRUCTURAL APPROVAL PRIOR TO SETTING ANY NEW EQUIPMENT ON ROOF, AND PRIOR TO HANGING ANYTHING TO STRUCTURE THAT
- 12. MAINTAIN 3'-0" CLEAR SPACE AROUND ALL EQUIPMENT FOR MAINTENANCE AND SERVICING.

POOF AND GAS PLAN
SCALE: 1/4"=1'-0"

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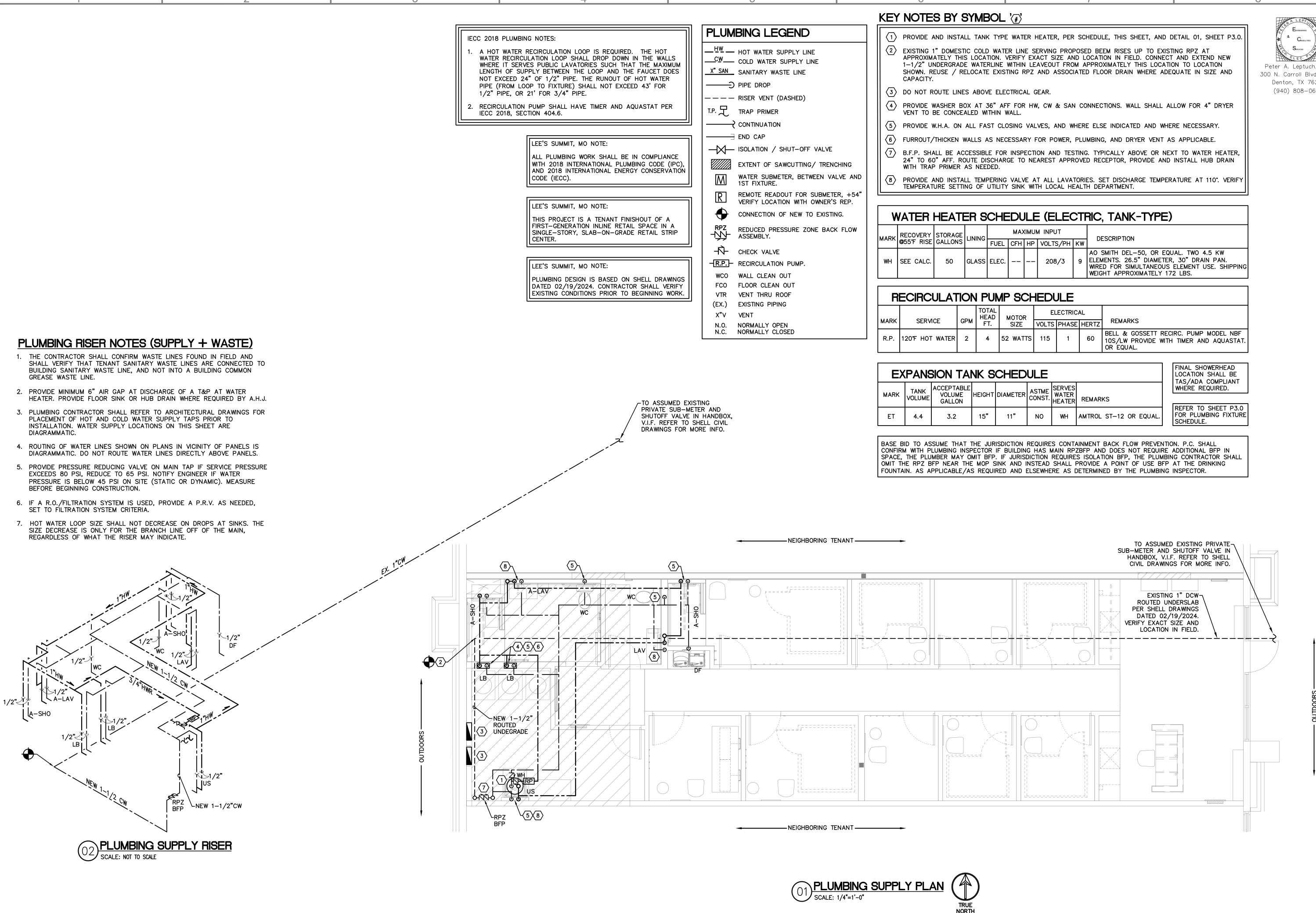
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ROOF AND GAS PLAN

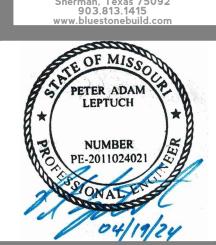
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> **PLUMBING SUPPLY**

PLAN

KEY NOTES BY SYMBOL '(#)'

- 1 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.
- (2) SLOPE UNDERSLAB 4" SANITARY LINE AT 1/8" PER FOOT, AND 3" SANITARY LINES AT 1/4" PER FOOT.
- (3) COORDINATE ROUTING OF UNDERSLAB WASTE LINES IN FIELD WITH STRUCTURAL ELEMENTS.
- 4 FURROUT / THICKEN WALLS AS NECESSARY FOR POWER, PLUMBING, AND DRYER VENT.
- (5) 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.)
- 1. UNDERSLAB DRAIN PIPING SHALL BE SCHEDULE 40 PVC. 2. VENT PIPING SHALL BE SCHEDULE 40 PVC. VENT PIPING ABOVE FLOOR 2" OR SMALLER MAY BE

GALVANIZED STEEL.

- 3. 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
 - TRANSITION FROM PVC TO COPPER. INSULATE ALL HORIZONTAL RUNS OF PIPING LOCATED IN CEILING SPACES OF TENANTS IN SPACES BELOW WHEN APPLICABLE. INSULATION

ROOF DECK MAY BE PVC. PROVIDE SHARKBITE

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

- 1. ALL HOT AND COLD WATER SUPPLY PIPING. WHERE ALLOWED BY A.H.J. AND OWNER SHALL BE CPVC OR PEX.
- 2. WATER PIPING IN CEILING SPACE AND WITHIN WALLS MAY BE TYPE 'L' COPPER OR PEX, ISNTALLED 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

- 1. 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

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.

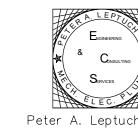
- ALL ROOFING WORK (CUTS, REPAIRS, SPUD WORK, ETC.) SHALL BE PERFORMED BY THE LANDLORD'S APPROVED ROOFING CONTRACTOR.
- DRAWINGS FOR THE PLUMBING WORK ARE DIAGRAMMATIC SHOWING THE GENERAL LOCATION, EQUIPMENT TYPE AND LAYOUT, THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO MANUFACTURERS 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.

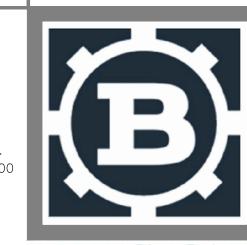
TRENCHING OF EXISTING REINFORCED CONCRETE FLOOR SLAB IS TO BE KEPT TO A MINIMUM QUANTITY AND WIDTH. WHERE CODES PERMIT, GROUP UNDER FLOOR UTILITIES IN SINGLE TRENCHES. THE MINIMUM TRENCH WIDTH IS TO BE TWELVE INCHES (12"). DOWEL NEW SLAB INFILLS INTO EXISTING SLAB EDGES. PROVIDE SLAB INFILL STEEL REINFORCING 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.

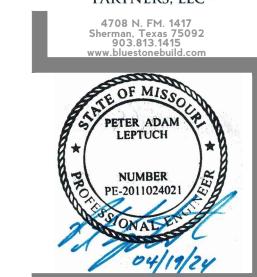
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- IN GENERAL, NO DUCTWORK, CONDUITS, PIPES, BANNERS, SIGNAGE, OR CURTAIN/SUSPENDED FURR-DOWNS OR WALL ARE TO BE SUSPENDED FROM THE BOTTOM OF THE ROOF STRUCTURE, WITHOUT APPROVAL. NO TENANT FINISHOUT WORK IS TO BE SUSPENDED FROM ANY WORK BY ANOTHER 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.
- 10. 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. 12. LABEL ALL ABOVE CEILING VALVES AND OR EQUIPMENT ON T-BAR GRID, ON ACCESS PANELS SERVING SUCH EQUIPMENT. USE 1 TEXT ON WHITE PEEL AND STICK LABELS.
- 13. PROVIDE MIXED WATER LINE FROM SHOWER HANDLE MIXING VALVE TO SHOWER HEAD AS NEEDED. 14. PROVIDE A PRV WHERE REQUIRED.
- 15. 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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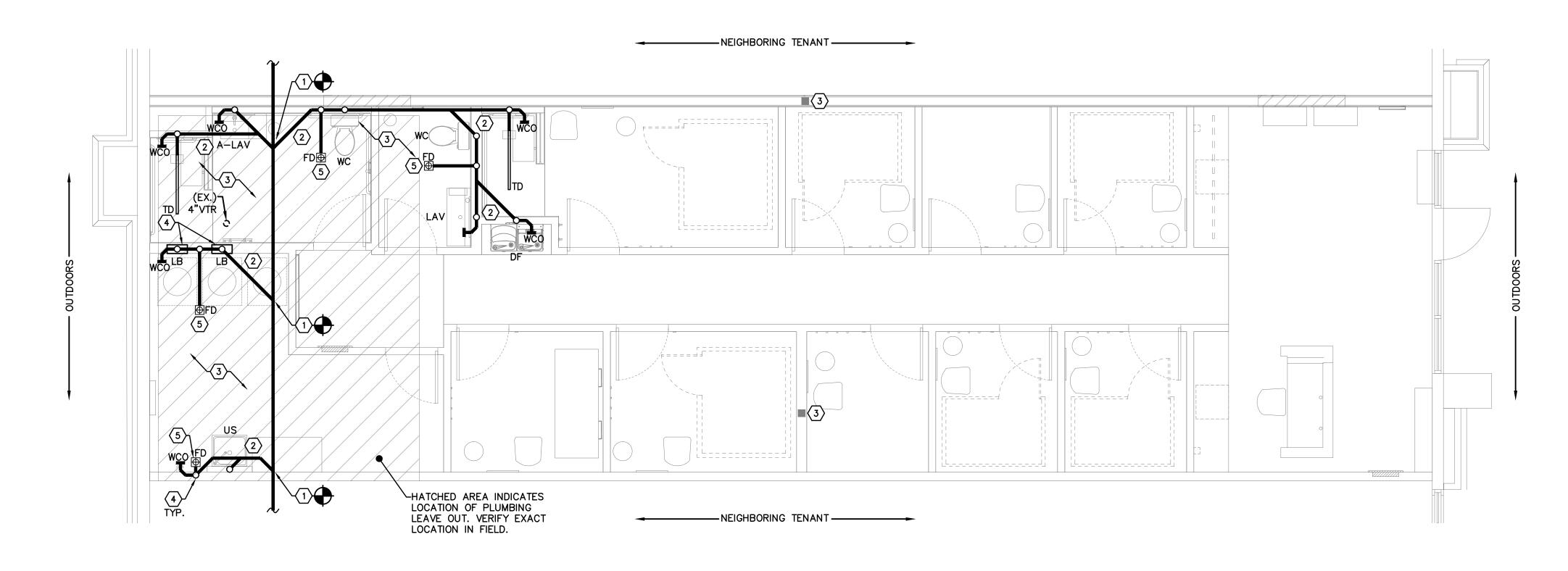
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Drawn by: Checked by: Project No: Date:

PLUMBING WASTE PLAN

April 19, 2024



PLUMBING WASTE RISER
SCALE: NOT TO SCALE

PLUMBING WASTE PLAN

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

14 kW at 100°F rise

FIXTURES: AMERICAN STANDARD COLONY #221AA104.020, 1.28 GPF TANK-TYPE, ADA-COMPLIANT.

FAUCET: HD67780-1208D2. PROVIDE WITH MIXING VALVE EQUAL TO WATTS LFMMV, SET AT 110°F

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

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 CONNECTTION PER LL REQUIREMENTS.

ELKAY - LVRCGRNTL8WSK BOTTLE FILLING STATION AND BI-LEVEL DRINKING FOUNTAIN. REFER TO ELKAY TEMPLATE FOR WATER

FIXTURES: NAMEEKS TEOREMA 2 SCARABEO 5114. COLOR: WHITE. ONE FAUCET HOLE.

PROVIDE WITH THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMMV, SET AT 110°F. FIXTURE: SWISS MADISON CLAIRE SM-CS734. COLOR: WHITE. LEG COLOR: BLACK.

PROVIDE WITH THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMMV, SET AT 110°F.

FAUCET: VIGO DAVIDSON VG01043MBK. COLOR: MATTE BLACK.

1/2" 1/2" DELTA PIVOTAL SHOWER ONLY TRIM, MODEL T17T299BL, MATTE BLACK

2" | 1-1/2" | 1/2" | 1/2" | FIXTURE: OATEY #38747 WITH INTEGRAL SHOCK ARRESTERS OR EQUAL

ROUGH-IN HEIGHT. MAINTAIN TAS/ADA COMPLIANCE.

INFINITY DRAIN S-LT 3848BK

INSTALL IN CENTER OF SHOWER.

COORDINATION FOR THINGS SUCH AS WALL-MOUNT SINKS VERSUS COUNTER-TOP SINKS OR UNDERMOUNT SINKS. MAINTAIN TAS/ADA COMPLIANCE.

DELTA TEMPASSURE SHOWER SYSTEM, MODEL DSS-PIVOTAL-17T01-BL

GLACIER BAY - ALL-IN-ONE 24" LAUNDRY SINK CABINET. COLOR: WHITE.

17.5 kW at 65°F rise

64,000 BTU at 100°F rise

ROUGH-IN-SIZE DESCRIPTION / REMARKS

1/2" 1/2" MATTE BLACK

1-1/2" | 1/2" | 1/2" | MODEL: QL033Y

COLOR: WHITE

1-1/2" 1/2" 1/2" FAUCET: VIGO DAVIDSON VG01043MBK.

51.1 °F

58.9 °F 8.34 LBS

28,785.84 BTUH

PLUMBING FIXTURE SCHEDULE

8.44 kW Required

Recovery Calc (For Tank Type Water Heater)

Temperature Set Point =

Incoming Water Temp

FIXTURE

WATER CLOSET

LAVATORY

FLOOR DRAIN

A-SHO | SHOWER (ADA)

SHOWER

WASHING

UTILITY SINK

DRINKING

FOUNTAIN

TRENCH DRAIN

2" | 1-1/2" |

MACHINE BOX

(ADA)

LAV LAVATORY

BTUH = GPH*8.34*ΔT kW = BTUH/3412.142

MARK

A-LAV

SHO

US

DF

1 Gallon water =

PUBLIC		Load \	/alues, In	WSFU	Total
Fixture	Qty	Cold	Hot	Total	WSFU
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)		Over	all Total =	33.2

		FROM	2018	IPC	TABLE	E201.
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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 > 33.25 WSFU, THEREFORE A 1" OR LARGER METER AND SERVICE PIPE AND A 1-1/2" DISTRIBUTION PIPE WILL BE SUFFICIENT.

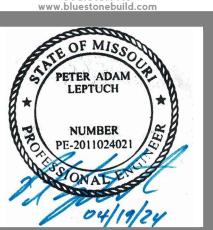
*NOTIFY ENGINEER IF WATER PRESSURE OR MAXIMUM DEVELOPMENT LENGTH DIFFERS FROM AS SHOWN ABOVE.

**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."





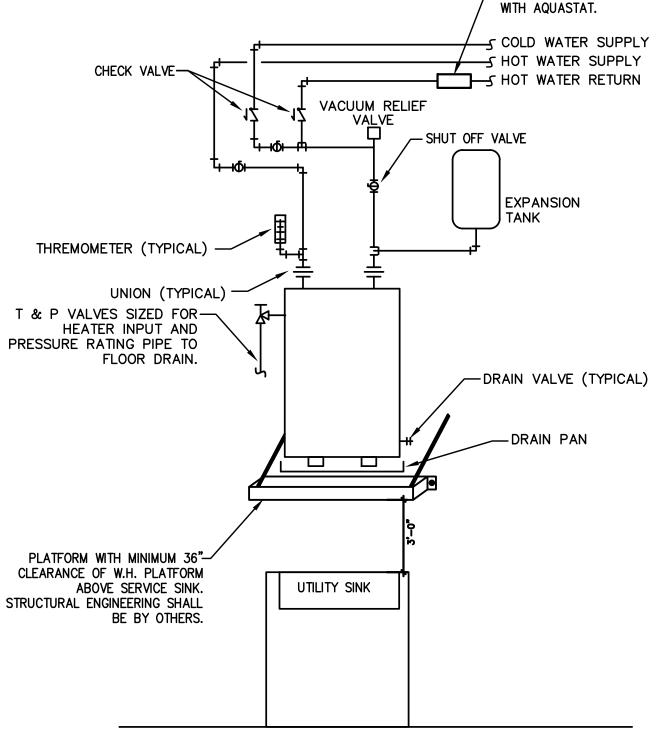
Sherman, Texas 75092 903.813.1415



SEE SHEET P/3 FOR DRAIN SPECIFICATIONS. — DO NOT GROUT OVER FACE OF DRAIN GRATE.
FACE OF FLOOR TILE SHALL MIN. 18" /FT SLOPE TO DRAIN (SEE SECTION 1 SLOPÉ ON SHT A/16) AND SHALL BE NO LESS THAN 1/4" ABOVE FACE OF DRAIN GRATE. SOIL PIPE GASKET - SEE PLUMBING RISER DIAGRAM FOR DRAIN PIPE SIZE.

12" SQUARED, GROUT (TYP) __ EACH SIDE MIN.1/8"/FT SLOPE

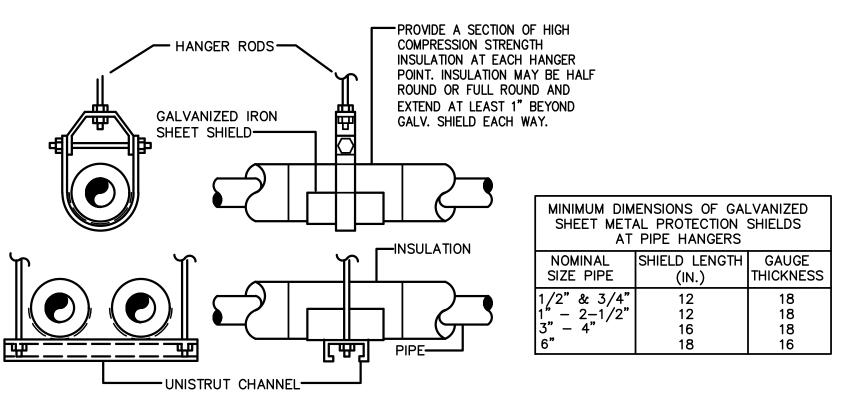
> FLOOR DRAIN DETAIL SCALE: NOT TO SCALE

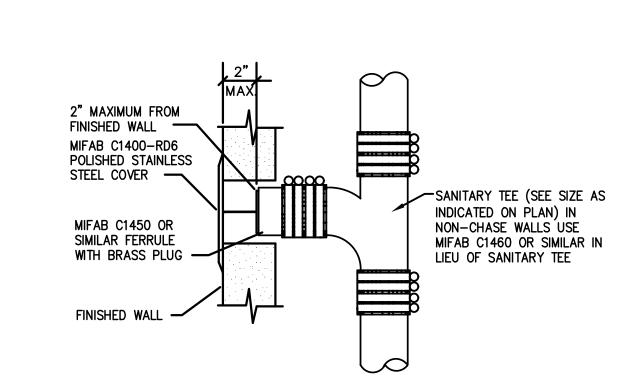


- RECIRCULATION PUMP

TANK-TYPE ELECTRIC WATER HEATER DETAIL

SCALE: NOT TO SCALE SCALE: NOT TO SCALE





WALL CLEAN OUT DETAIL SCALE: NOT TO SCALE

REV	ISIONS		
No.	DATE	NOTE	
Drav	wn by:		

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

> **PLUMBING SCHEDULES** & DETAILS

> > **P3.0**

HANGER FOR INSULATED PIPING SCALE: NOT TO SCALE

Sheet: