4708 N. FM. 1417 Sherman, Texas 75092 903.813.1415

May 30, 2024

RELEASED FOR

- 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.

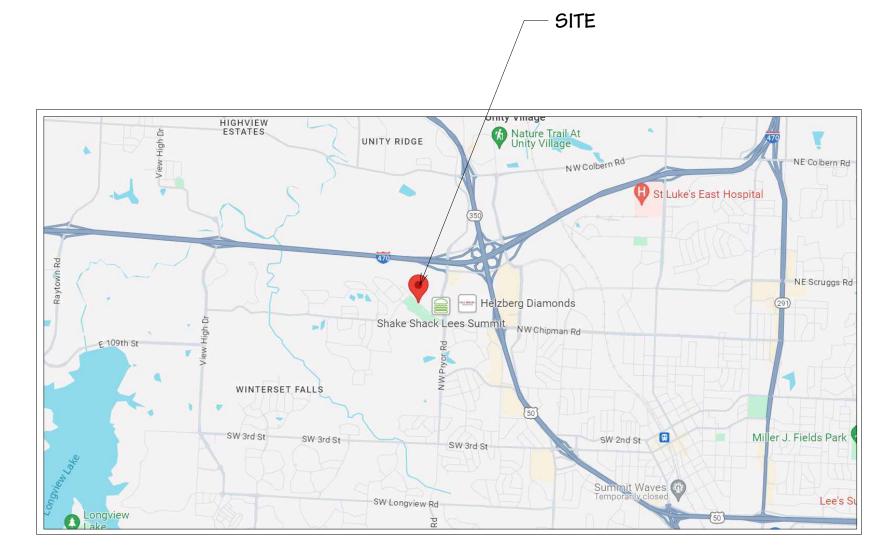


PROJECT SCOPE

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

PROJECT DIRECTORY

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

LANDLORD:

DREW LARKINS - 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

HEALTHY LIGHTS LS, LLC BRIAN GREENWALD TEL: 816-896-4648 BGREENWALD@BEEMLIGHTSAUNA.COM

CHRIS HENRY CHENRY@BEEMLIGHTSAUNA.COM

WEST PRYOR 2070 NW LOWENSTEIN DR.

LEE'S SUMMIT, MO 64081

PROJECT ARCHITECT:

RETAIL CENTER:

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

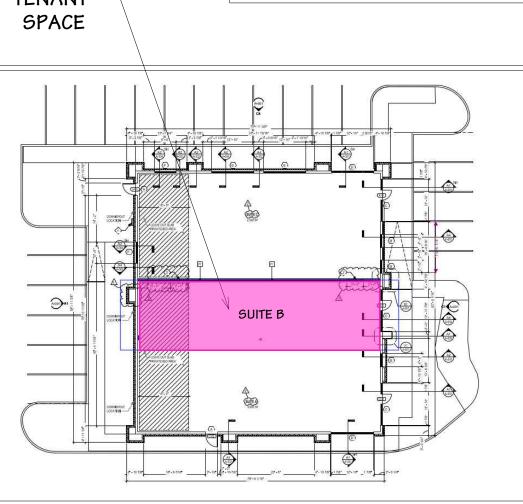
DEVELOPMENT SERVICES 200 SE GREEN LEE'S SUMMIT, MO 64063 TEL: 816-969-1200 EMAIIL: DEVTECH@CITYOFLS.NET

PROJECT MEP:

BUILDING DEPARTMENTS

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

TENANT -SPACE



TENANT MAP SCALE: N.T.S.

PF	ROJECT DATA
CODE REFERENCE	2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL FUEL GAS CODE 2018 INTERNATIONAL RESIDENTIAL CODE 2018 INTERNATIONAL FIRE CODE 2017 NATIONAL ELECTRICAL CODE ICC/ANSI A117.1-2009, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
	BUSINESS USE GROUP "B" GROSS FLOOR AREA: 1,549 S.F. CONSTRUCTION TYPE: 5-B NON SPRINKLED

OCCUPANCY	REQUIRED WATER CLOSETS (TOILETS)	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
DRINKING FOUI	NTAINS: PER 2018 IPC S	REQUIRED: 1 PER 100	PROVIDED: 1 PER 15	

SERVICE SINK:

PLUMBING CALCULATIONS

	G-002	General Notes
	G-003	General Notes
	G-004	ADA Details
	G-005	ADA Details
^ /	G-006	Responsibilty Matrix
2	A-100	Plan - LS & Egress
	A-101	Plan - Existing
^ /	A-110	Plan - Floor
2	A-112	Plan - RCP
	A-114	Plan - Furniture
	A-114	Plan - Finish
	A-115	Schedule
	A-201	Elevation - RR
	A-202	Elevation
	A-203	Elevation - Sauna
	A-501	Master Details
	A-502	Master Details

Sheet List Table

UL Details E2.0 Lighting Plan Electrical Panels & Riser Mechanical Plan Mechanical Loads & Details MEP Specifications MEP2.0 Roof Plan Plumbing Supply Plan Plumbing Waste Plan Plumbing Schedules & Riser Diagram

OCCUPANCY CALCULATIONS OCCUPANT

AREA	CLASSIFICATION	OCCUPANT LOAD (S.F./OCC.)	SQ. FT.	CALCULATED OCCUPANTS
RECEPTION 101	MERCANTILE	60	151	3
MERCHANDISE 102	MERCANTILE	60	100	2
SAUNA 103	BUSINESS	150	60	1
RED LIGHT 104	BUSINESS	150	60	1
SAUNA 105	BUSINESS	150	60	1
SAUNA 106	BUSINESS	150	57	1
9AUNA 107	BUSINESS	150	57	1
SOCIAL SAUNA 108	BUSINESS	150	86	1
ADA SAUNA 109	BUSINESS	150	117	1
RED LIGHT 110	BUSINESS	150	57	1
RED LIGHT 111	BUSINESS	150	70	1
RESTROOM 112	N/A	N/A	43	N/A
ADA RESTROOM 113	N/A	N/A	73	N/A
UTILITY 114	STORAGE	300	122	1
HALLWAY 115	N/A	N/A	234	N/A

TOTAL BUILDING OCCUPANTS

REV	REVISIONS				
No.	DATE	NOTE			
2	05.29.2024	CITY COMMENTS			
	1				

1	Drav	wn by:	

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

Cover Sheet

G-001

SCALE: N.T.S.

SPRINKLED: NO /

FIRE ALARM: VIF (TBD)

1-HOUR PROTECTED: YES

NUMBER OF STORIES: 1

CALCULATED LOAD FOR BUILDING OCCUPANCY: 15

15

PROVIDED: 1

REQUIRED: 1

PRODUCT DESIGNATIONS:

FURNISHED BY OWNER OR CONTRACTOR.

PERMIT FEES AND NOTICES:

SUBCONTRACTOR RELATIONS:

ARCHITECT IN WRITING.

RESTRICTIONS OF THE SITE

RELEASED FOR CONSTRUCTION

1.0 GENERAL DEFINITIONS

1.1 "PROVIDE" AND "FURNISH" SHALL MEAN TO PURCHASE AND LOCATE AN ITEM ON THE JOBSITE.

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 FOLIPMENT RENTAL (LE. FORKLIETS, 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

DIVISION 1 - GENERAL REQUIREMENTS

01017 WORK BY OTHERS

01630 SUBSTITUTIONS

01710 FINAL CLEANING

DIVISION 2 - SITE WORK (NOT USED)

DIVISION 4 - MASONRY (NOT USED)

10740 WARRANTY

DIVISION 3 - CONCRETE

DIVISION 5 - METALS

DIVISION 6 - CARPENTRY

DIVISION 9 - FINISHES

09300 TILE

01010 FORMAT AND CONTENT

01500 TEMPORARY FACILITIES

10760 CONTRACT CLOSEOUT

03050 CONCRETE ON GRADE

05400 STEEL STUD FRAMING

07200 BUILDING INSULATION

08250 FLUSH WOOD DOORS

08400 ALUMINUM FRAMING

08700 FINISH HARDWARE'

09250 GYPSUM WALLBOARD

09500 LAY-IN CEILINGS

10430 EXTERIOR SIGNAGE

10440 INTERIOR SIGNAGE

10520 FIRE EXTINGUISHERS

10800 TOILET ACCESSORIES

DIVISION 12 - FURNISHINGS (NOT USED)

11400 FOOD SERVICE EQUIPMENT

DIVISION 13 - SPECIAL CONSTRUCTION (NOT USED) DIVISION 14 - CONVEYING SYSTEMS (NOT USED)

CONFLICTS. DISCREPANCIES OR INCONSISTENCIES:

WITH ITEM "1" BEING OF FIRST, OR HIGHEST PRIORITY.

1500 HEATING, VENTILATING AND AIR CONDITIONING

MEAN THE DRAWINGS AND SPECIFICATIONS PREPARED BY THE ARCHITECT.

09900 PAINTING

DIVISION 10 - SPECIALTIES

DIVISION 11 - EQUIPMENT

DIVISION 15 - MECHANICAL

15001 PLUMBING

AND OTHERS FOR THE OWNER.

SHALL GOVERN.

DIVISION 16 - ELECTRICAL

07900 CAULKING AND SEALANTS

08100 STEEL DOORS AND FRAMES

06200 FINISH CARPENTRY

DIVISION 7 - MOISTURE PROTECTION

DIVISION 8 - DOOR AND WINDOWS

01015 OWNER FURNISHED ITEMS

01600 MATERIALS AND WORKMANSHIP

01014 CONTRACTOR'S USE OF SITE AND PREMISE

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.

TABLE OF CONTENTS (CONT'D.)

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

UNLESS SPECIFICALLY NOTED OTHERWISE ANY REFERENCE TO THE DRAWINGS OR SPECIFICATIONS SHALL

IN THE EVENT OF CONFLICTS, DISCREPANCIES OR INCONSISTENCIES AMONG CONTRACT DOCUMENTS,

DRAWINGS OR SPECIFICATIONS IN ACCORDANCE WITH THE ARCHITECT'S INTERPRETATION.

INTERPRETATIONS WILL BE MADE BY THE ARCHITECT BASED ON THE FOLLOWING: IN ORDER OF 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

B. AS BETWEEN DIMENSIONS SHOWN ON THE DRAWINGS AND SCALED MEASUREMENTS, THE DIMENSIONS

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

THE MATERIAL OR EQUIPMENT, EXCEPT WHERE SUCH DOCUMENTS CONFLICT WITH THE ARCHITECT'S

PROVIDED IN ACCORDANCE WITH THE ARCHITECT'S INTERPRETATION AS REQUIRED BY EITHER (1) THE

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

SPECIFICATIONS: IN SUCH CASS THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE

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

HERE, WHICH HAVE BEEN OR WILL BE PREPARED BY CONSULTANTS, MANUFACTURERS, SUPPLIERS, VENDORS

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 TABLE OF CONTENTS SCHEDULE" OR ELSEWHERE AS SUPPLIED BY OWNER OR VENDOR. GENERAL CONDITIONS

OR LANDLORD.

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.

WHEN REFERENCE IS MADE TO TRADE NAMES OR TO THE NAMES OF MANUFACTURERS, SUCH REFERENCES

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

BEFORE ORDERING ANY MATERIALS OR ANY WORK, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND

SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION BEFORE PROCEEDING WITH THE WORK. THIS

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

CONTRACTOR/SUBCONTRACTOR CONTRACT IF KNOWN AT THE TIME BUT IN ANY EVENT AS SOON AS KNOWN)

DOCUMENTS WHICH VIOLATES ANY CODE AFFECTING OR CONTROLLING THE SUBCONTRACTOR'S SPECIALTY."

DIVISION 1 - GENERAL REQUIREMENTS

FORMAT AND CONTENT

SECTION 01010

THE SPECIFICATIONS HAVE BEEN PREPARED FOR MULTIPLE PROJECTS AND MAY CONTAIN REFERENCES TO

REFERRING TO THE DRAWINGS. THE SPECIFICATIONS MAY MAKE REFERENCE TO THESE ITEMS BY STATING

ONTRACTOR'S USE OF SITE AND PREMISE

SECTION 01014

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

OWNER - FURNISHED ITEMS

"IF REQUIRED PER DRAWINGS". "IF ANY" OR SIMILAR LANGUAGE. THE DRAWINGS ARE SCHEMATIC IN NATURE

ITEMS NOT INCLUDED IN THIS SPECIFIC PROJECT. VERIFY ITEMS USED IN THIS SPECIFIC PROJECT BY

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

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

SPECIAL FIELD THAN DO GENERALIST. THE SUBCONTRACTOR AGREES TO REPORT TO THE GENERAL

ANY WORK REQUIRED BY THE DRAWINGS AND SPECIFICATIONS, OR ANY OF THE OTHER CONTRACT

THE CONTRACTOR SHALL IN TURN IMMEDIATELY CONVEY THIS INFORMATION OF THE ARCHITECT.

CONTRACTOR AS EARLY IN THE PROJECT AS POSSIBLE (PRIOR TO SIGNING THE

MEASUREMENTS AND SHALL BE RESPONSIBLE FOR CORRECTNESS OF SAME. NO EXTRA CHARGE OR

MEASUREMENTS AND THOSE INDICATED ON THE DRAWINGS AND DIFFERENCES WHICH MAY BE FOUND

APPLIES TO ALL ASPECTS OF THE WORK INCLUDING, BUT NOT LIMITED TO, EQUIPMENT OR MATERIALS

COMPENSATION WILL BE ALLOWED BECAUSE OF DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND

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:

WORK BY OTHERS 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 ARE MADE SOLELY TO DESIGNATE OR IDENTIFY THE QUALITY OF MATERIAL OR EQUIPMENT TO BE FURNISHED 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.

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

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 ORIGINALLY REQUIRED BY THE CONTRACT DOCUMENTS.

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:

NOR PAVED, TO A SMOOTH, EVEN-TEXTURED SURFACE.

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

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

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

REQUIRED. FINISH TO HOT DIPPED GALVANIZED AS SPECIFIED FOR STUDS OR STAINLESS STEEL.

STUDS. B. MISCELLANEOUS COMPONENTS: PROVIDE ALL NECESSARY COMPONENT PARTS AND FASTENERS

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 DISSIMILAR MATERIALS.

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 WITH GALVANIZING REPAIR PAINT.

DIVISION 6 - CARPENTRY

FINISH CARPENTRY SECTION 06200

PART ONE - GENERAL

1.01 SCOPE A. THIS SECTION INCLUDES FURNISHING AND INSTALLING ALL MISCELLANEOUS EXPOSED WOOD MEMBERS AND TRIM ITEMS AND SERVING COUNTER, AS DETAILED ON THE DRAWINGS 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 TWO - MATERIALS

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 STOCK SHALL HAVE GRADE MARKS APPLIED TO EACH BUNDLE.

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.

C. SIZES AND PATTERNS: WORK LUMBER TO PATTERN DETAILED. SHAPED MATERIAL SHALL CONFORM TO

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

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.

BUILDING INSULATION

SECTION 07200

DIVISION 7 - MOISTURE PROTECTION

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

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

PART TWO - MATERIALS

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

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

CAULKING AND SEALANTS

SECTION 07900

2.01 GENERAL REQUIREMENTS: POLYSULFIDE (THLOKAL) BASE CAULKING COMPOUNDS, SYNTHACAULK GC9

SURFACES IS ABOVE 40 DEGREES F. USE MATERIALS WITHIN THE MANUFACTURER'S RECOMMENDED SHELF

PART ONE - GENERAL

IN EXTERIOR WALL

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

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

- 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

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

SURFACES; CLEAN SATISFACTORILY OR REPOLACE SURFACES WITH NEW MATERIALS. USE GUN NOZZLES TO

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 TO BE SEALED.

SECTION 08100

DIVISION 8 - DOORS AND WINDOWS STEEL DOORS AND FRAMES

PART ONE - GENERAI

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 SUITABLE FLOOR. AFTER INSTALLATION, PROTECT FROM DAMAGE DURING SUBSEQUENT CONSTRUCTION ACTIVITES. DAMAGED WORK WILL BE REJECTED AND SHALL BE REPLACED WITH NEW WORK.

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



REVISIONS No. DATE NOTE Drawn by:

Checked by: Project No: May 30, 2024

General Notes

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.

SPREADERS IN PLACE AFTER INSTALLATION; OTHERWISE, REMOVE SPREADERS AFTER FRAMES ARE SET AND

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

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: BEVEL 1/2" IN 2" MAXIMUM c. LOCK EDGE AND HINGE EDGE: BEVEL $\frac{1}{6}$ " 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.

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

1.03 JOB CONDITIONS: IN COLD WEATHER AND DURING GYPSUM PANEL APPLICATION AND JOINT FINISHING.

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

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

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 DRAWINGS. EXPOSED GRID SUSPENSION SYSTEM. CHICAGO METALLIC NO 200 SERIES SNAP GRID SYSTEM WITH WALL ANGLES, NO. 1409, LO-GLOSS WHITE BAKED ENAMEL PAINT FINISH. EQUAL BY ARMSTRONG, PRELU

PART THREE - EXECUTION 3.01 INSTALLATION: IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTION, SUSPEND MAIN TEES IN PLACE AT EVERY INTERSECTION WITH MAIN RUNNERS, AND WALL ANGLES WITH ENDS OF TEES RESTING ON BOTTOM FLANGE. SECURE WALL ANGLES TO SUBSTRATE WITH EXTRA 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.

DIVISION 10 - SPECIALTIES

CORNER GUARDS (IF REQUIRED PER DRAWINGS) SECTION 10260

1.01 SCOPE: FURNISH LABOR, EQ 1.02 SUBMITTALS: COMPLY WITH SECTION 10750. SUBMIT SAMPLES FOR APPROVAL. DE $^{15}/_{16}$ "

PART TWO - MATERIALS

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.

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

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

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.

TILE BACKER BOARD SECTION 10310

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

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.

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

PART THREE - EXECUTION

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

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 FOR EXTERIOR SIGNAGE UNLESS OTHERWISE INDICATED.

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

FOR INTERIOR SIGNAGE UNLESS OTHERWISE INDICATED.

FIRE EXTINGUISHERS **SECTION 10520**

EXTINGUISHERS.

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

PART TWO - MATERIALS

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

J.L. INDUSTRIES LARSEN'S MANUFACTURING COMPANY

APPLICABLE GOVERNING REGULATIONS.

MUCKLE MANUFACTURING DIVISION OF TECHNICO, INC.

BADGER PART THREE - EXECUTION

NOT INDICATED ON THE DRAWINGS, AS DIRECTED BY THE LOCAL FIRE MARSHAL TO COMPLY WITH

3.01 GENERAL: CONTRACTOR SHALL INSTALL FIRE EXTINGUISHERS AS INDICATED ON THE DRAWINGS OR IF

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

PART TWO - MATERIALS

PART THREE - EXECUTION 3.01 INSTALLATION: ERECT ITEMS IN A RIGID SUBSTANTIAL MANNER, IN CORRECT POSITIONS, AND LEVEL &

PLUM. FULLY TRIM IN WHERE REQUIRED. INSTALL TOILET ACCESSORIES PER ADAAG GUIDELINES.

FOOD SERVICE EQUIPMENT

- 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

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



REVISIONS No. DATE NOTE

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

General Notes

REQUIREMENTS OF THE CONTRACT AGREEMENT SHALL GOVERN. CORRELATION AND INTENT OF CONTRACT DOCUMENTS: THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND ANYTHING CALLED FOR OR SHOWN ON ANY ONE OF THE CONTRACT

& COMPLETELY LAYING OUT ALL WORK UNDER THE CONTRACT.

SPECIAL INSTRUCTIONS - DIVISIONS AND SITE CONDITIONS

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

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

MANUFACTURED BY ONE OF THE FOLLOWING:

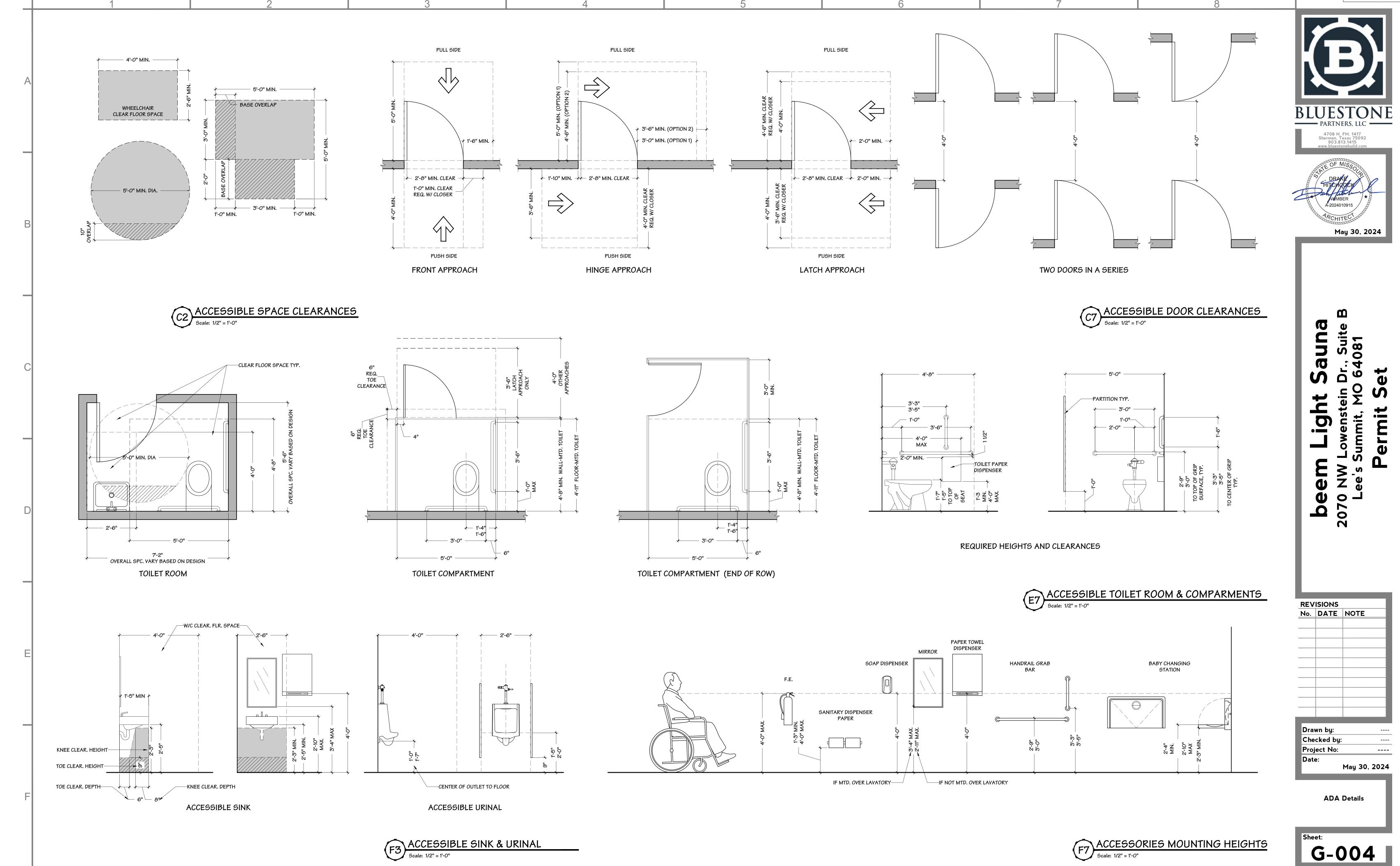
PROFILE INTERNATIONAL, INC.

TOILET ACCESSORIES SECTION 10800

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

DIVISION 11 - EQUIPMENT

SECTION 11400ACCESSIBILITY GUIDELINES (ADAAG) AS SHOWN ON THE DRAWINGS AND OR OWNER APPROVED



SIGNAGE CLEARANCES

Scale: NTS

TYPE A RESTROOM

PROVIDE BRAILLE – PER ADA TABLE 703.6.1 TYP.

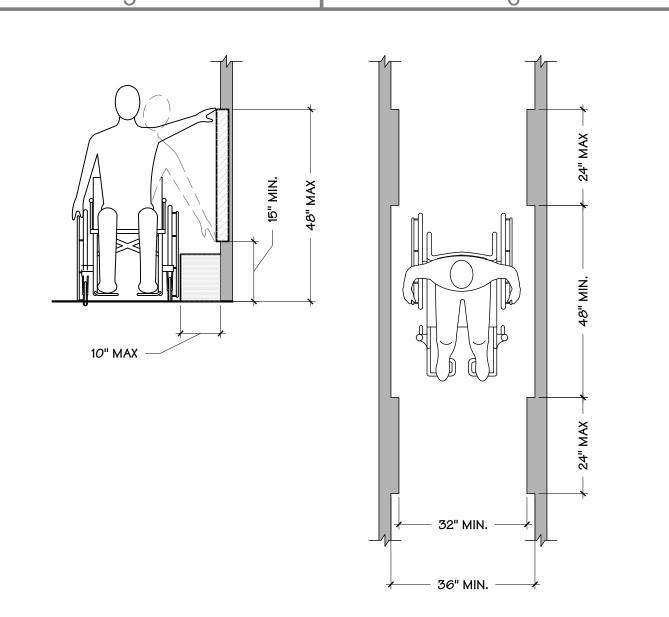
TYPE B RESTROOM

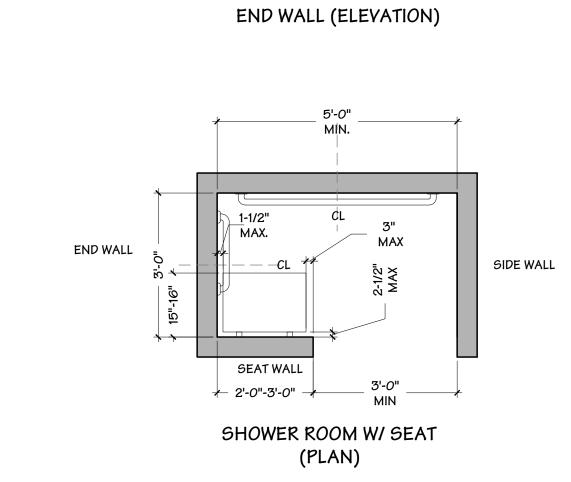
RESTROOM

TYPE C EXIT

EXIT

20" MAX— (a) >20"-25" MAX—





SHOWER

ACCESSIBLE FLOOR & REACH LIMITS

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

ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT SIZE

AND CLEARANCE

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



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May 30, 2024

Sauna

REVISIONS
No. DATE NOTE

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

ADA Details

Sheet:
G-005

CONSTRUCTION As Noted on Plans Review

RELEASED FOR

RESPONSIBILITY CHART THIS CHART IS PROVIDED FOR REFERENCE ONLY. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS. SEE ADDITIONAL 0 = OWNER (TENANT) SCOPE OF WORK ITEMS LISTED BELOW. CONFLICTS BETWEEN THIS CHART AND THE REST OF THE DRAWINGS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY FOR CLARIFICATION. GC = GENERAL CONTRACTOR OC = OWNER'S VENDOR (GC TO COORDINATE W/ OWNER)
PS = WORK TO BE PERMITTED SEPARATELY OF THIS APPROVAL TEM (SPECIFICATION SECTION) ITEM (SPECIFICATION SECTION) URNISHED REMARKS O GC OC PS O GC OC PS O GC OC PS O GC OC PS VISION- 1 GENERAL REQUIREMENTS DIVISION- 11 EQUIPMENT TEMPORARY FACILITIES & CONTROLS WASHER/ DRYER (STACKED UNITS) • STARTING AND ADJUSTING U/C REFRIGERATOR • • CONSTRUCTION AND BARRICADES • U/C REFRIGERATOR - CUSTOM PANEL FRONT • SAUNA LIGHT THERAPY STATIONS • PIVISION- 2 EXISTING CONDITIONS DIVISION- 12 FURNISHINGS GC TO COORDINATE POWER DEMOLITION RECEPTION WATERFALL TABLE • • ---RECEPTION HANGING APPAREL RACK IVISION- 3 CONCRETE RED LIGHT THERAPY BED/ LIGHT TRACK CONCRETE INFILL TO MATCH THE COLOR/ COMPOSITION OF THE EXISTING CONCRETE SLAB AS CLOSELY AS POSSIBLE. CONCRETE INFILL 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 WORK AREA- SUPPLEMENTAL STORAGE IVISION- 5 METAL STRUCTURAL STEEL STROOM, SHOWER & SAUNA SHELVING LIGHT GAUGE METAL FRAMING • • AS MAY BE REQUIRED METAL FABRICATION IVISION- 6 WOOD AND PLASTICS IVISION- 13 SPECIAL CONSTRUCTION RUNNING TRIM & MOULDINGS - N/A RECEPTION MILLWORK DIVISION- 14 CONVEYING EQUIPMENT RE: A-113, A-501 BACKING/BLOCKING A15/ A-501 WORK AREA BASE AND WALL CABINETS DIVISION- 21 FIRE SUPRESSION RE: A-113, A-501 DIVISION- 7 THERMAL AND MOISTURE PROTECTION FIRE SPRINKLER SYSTEM FIELD VERIFY THERMAL AND SOUND INSULATION • • DIVISION- 22 PLUMBING SEALANTS NEW WATER / SEWER CONNECTIONS TO EXISTING PIPING RE: PLUMBING DRAWINGS DIVISION- 8 DOORS AND FRAMES NEW PLUMBING FIXTURES (UNO) RE: PLUMBING DRAWINGS METAL DOORS AND FRAME WATER HEATER RE: PLUMBING DRAWINGS • RESTROOM/ SHOWER SINK & FAUCET WOOD DOORS • WATER DISPENSER RE: PLUMBING DRAWINGS • • • DOOR HARDWARE COORDINATE KEYING WITH OWNER SHOWER PAN • IVISION- 23 MECHANICAL GLAZING- N/A STOREFRONT SYSTEM- N/A AIR HANDLING UNITS RE: MECHANICAL DRAWINGS DUCTWORK/ GRILLES DIVISION- 9 FINISHES RE: MECHANICAL DRAWINGS CONCRETE SLAB- STAIN FINISH REFER TO SHEET A-114 HERMOSTATS RE: MECHANICAL DRAWINGS FLOOR TILE DIVISION- 25 INTEGRATED AUTOMATION WALL TILE SEALER FOR EXISTING CONCRETE ISION- 26 ELECTRICAL RE: A-114 NEW PANEL, BREAKERS, TRANSFORMER AND SWITCHES • ACOUSTICAL CEILING RE: A-112, A-114 ELECTRICAL PANEL EXTERIOR SIGNAGE POWER BY E.C • EXTERIOR EMERGENCY LIGHTING, IF REQUIRED DIVISION- 10 SPECIALTIES POWER BY E.C • • • *WALL MOUNTED SOAP DISPENSERS *CONFIRM W/OWNER SECURITY ALARM *CONFIRM W/OWNER *PAPER TOWEL DISPENSER • CONDUIT & PULL STRING FOR PHONES, POS AND A/V • *TOILET TISSUE DISPENSERS *CONFIRM W/OWNER A/V EQUIPMENT POWER BY E.C FIRE ALARM • CHANDELIER FIXTURE 'A' • TOWEL BARS WASTE RECEPTACLE (RESTROOM) PHONE SYSTEM WALL BOX AND CONDUIT BY GC • GRAB BARS MISCELLANEOUS RESTROOM MIRRORS (BACKLIT) POWER AS REQUIRED THERAPY ROOM MIRRORS (BACKLIT) • POWER AS REQUIRED ADA IDENTIFYING DEVICES (RESTROOM SIGNAGE) ROBE HOOKS • PLANTS/ GREENERY SHOWER SEAT • SHAMPOO/ CONDITIONER DISPENSER UTILITIES POINT OF SALE AND DATA: CONDUITS AND PULL STRINGS CABLING ROUGH-IN BOXES BY EC AS REQUIRED ROUGH-IN BOXES BY LC AS REQUIRED.

WATER SERVICE AND METER

ELECTRICAL SERVICE AND METER

POWER BY E.C.

PERMITTING BY SIGNAGE SUBCONTRACTOR; POWER BY E.C.

IF NOT EXISTING, AS REQUIRED BY CODE

• PS

•

•

POWER

ENTERTAINMENT (AUDIO VISUAL):

AV CONSOLE & EQUIPMENT

TV'S AND BRACKETS

SIGNAGE: INTERIOR

SIGNAGE: EXTERIOR

FIRE EXTINGUISHERS

ADDRESS AND SERVICE DOOR SIGNAGE

SPEAKERS

CONDUITS AND PULL STRINGS

ABV	ABOVE	FA	FIRE ALARM		
A/C	AIR CONDITIONING,	FACP		PH	PHASE
A/C	AIR CONDITIONER		FIRE ALARM CONTROL PANEL	PLAM	PLASTIC LAMINATE
		FCO	FLOOR CLEANOUT	PLBG	PLUMBING
ACOUST	ACOUSTICAL	FE	FIRE EXTINGUISHER	PLYWD	PLYWOOD
ADA	AMERICANS WITH DISABILITIES	FF, FFE	FINISH FLOOR,	PNL	PANEL
	ACT		FINISH FLOOR ELEVATION		
ADAAG	AMERICANS WITH DISABILITIES	FLR	FLOOR	PT	PRESSURE TREATED
אאאא				PVC	POLYVINYL CHLORIDE
	ACT ACCESSIBILITY GUIDELINES	FR	FIRE RETARDANT		
ADJ	ADJUSTABLE	FRP	FIBERGLASS REINFORCED	QTY	QUANTITY
A.F.F.	ABOVE FINISH FLOOR		PLASTIC		
AHJ	AUTHORITY HAVING JURISDICTION	FT	FEET	n A	PETUPAL AIP
ALUM	ALUMINUM			RA	RETURN AIR
AMP	AMPERES	C 4	GAUGE, GAGE	RCP	REFLECTED CEILING PLAN
		GA		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)	REQD	REQUIRED
			INTERRUPTER		
AV	AUDIO VISUAL	CBM	CALLONG PER MINUTE	REV	REVISION
		GPM	GALLONS PER MINUTE	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		1.001 101 01111
BLDG	BUILDING	מוו	LIOCE RIP	SA	SUPPLY AIR
ВО	BOTTOM OF	НВ	HOSE BIB	SECT	SECTION
BRG	BEARING	HORIZ	HORIZONTAL	SF	SQUARE FEET
BTU	BRITISH THERMAL UNIT	HT, HGT	HEIGHT	SIM	SIMILAR
		HTR	HEATER		
	CONTROL LOWE	HVAC	HEATING, VENTILATION &	5 <i>G</i> L	SINGLE
CJ	CONTROL JOINT	HYAC	AIR CONDITIONING	SPEC	SPECIFICATION
G, CL	CENTERLINE		7.IIX GONDING VIIIAG	5.5.	STAINLESS STEEL
- I		HW	HOT WATER	99	SANITARY SEWER
CKT	CIRCUIT			STD	STANDARD
CLG	CEILING	IBC	INTERNATIONAL BUILDING CODE		
		ID	INSIDE DIAMETER	STL	STEEL
CLR	CLEAR			STRUCT	STRUCTURAL
СМП	CONCRETE MASONRY UNIT	IN	INCHES	SURF	SURFACE
co	CLEANOUT	INT	INTERIOR		
COL	COLUMN			THRU	THROUGH
CONC	CONCRETE	J-BOX	JUNCTION BOX		
		0 2011	oonen ben	TOT	TOTAL
CONN	CONNECT, CONNECTION			TO, T.O.	TOP OF
CONT	CONTINUOUS	LBS	POUNDS	TSTAT	THERMOSTAT
COTG	CLEANOUT TO GRADE	LF	LINEAR FEET	TYP	TYPICAL
cw	COLD WATER	LTG	LIGHTING		1
	OOLD IVIII IN				
nn:	DOUBLE	MAX	MAXIMUM	UG	UNDERGROUND
DBL	DOUBLE			UNO	UNLESS NOTED OTHERWIS
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	TIN	TENT HINDUUTI NUUF
		MECH	MECHANICAL		
DP	DEEP, DEPTH			W/	WITH
DS	DOWNSPOUT	MFR	MANUFACTURER	W/O	WITHOUT
DWG	DRAWING	MIN	MINIMUM	w	WASTE
		мієс	MISCELLANEOUS	wco	WALL CLEANOUT
EA	EACH	мо	MASONRY OPENING		
		MTD	MOUNTED	WH	WATER HEATER
EC	ELECTRICAL CONTRACTOR			WP	WEATHERPROOF
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	MTL	METAL	WWF	WELDED WIRE FABRIC
_		L NIZA	NOT APPLICABLE		
EJ	EXPANSION JOINT	N/A	NOT APPLICABLE	XFRMR	TRANSFORMER
ELEV	ELEVATION	NEC	NATIONAL ELECTRICAL CODE		
ELEC	ELECTRICAL	NIC	NOT IN CONTRACT		
ENCL	ENCLOSURE	NTS	NOT TO SCALE		
		=			
EQ	EQUAL			NOTES:	
ETC	UNSPECIFIED ADDITIONAL ITEMS	0A, 0/A	OVERALL		/IATIONS SHOWN MAY NOT
EWC	ELECTRIC WATER COOLER	ос	ON CENTER		LE TO THE PROJECT.
EWH	ELECTRIC WATER HEATER	OD	OUTSIDE DIAMETER	DE ALL LIGADI	TO THE I NOULOI.
		OFCI	OWNER FURNISHED		
EXH	EXHAUST	OFG			
EXIST	EXISTING		CONTRACTOR INSTALLED		
	EXTERIOR	ОН	OVERHEAD		
EXT				i	
	EXISTING	OPNG	OPENING		
EXT	EXISTING		OPENING		
	EXISTING	OPNG OPP HAND	OPENING OPPOSITE HAND		



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

Responsibility Matrix

RE: PLUMBING DRAWINGS

RE: PLUMBING DRAWINGS

RE: PLUMBING DRAWINGS

NOTE #1: UNLESS SPECIFIED HEREIN NOT TO BE PROVIDED, INSTALLED, AND/ OR FINISHED BY GC. THE GC OR HIS SUBS ARE TO PROVIDE INSTALL AND FINISH ALL ITEMS IN THE

CONSTRUCTION DOCUMENTS.

RELEASED FOR
CONSTRUCTION
As Noted on Plans Review evelopment Services Department Lee's Summit, Missouri 06/10/2024

EGRESS LEGEND				
TAG	DESCRIPTION			
•	- SQUARE FOOTAGE - OCCUPANT LOAD - OCCUPANT LOAD FACTOR			
•	LONGEST DISTANCE TO THE NEAREST EXIT DOOR			
- ▶ · ▶ · ▶ · 	EGRESS ROUTE			

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

EGRESS FACTORS	CALCULATION	RESULTS
OCCUPANT LOAD	15	15
EGRESS WIDTH PER OCCUPANT SERVED	0.2"	0.2"
EGRESS WIDTH REQUIRED	OCC. LOAD X O.2"	3.0"
ACTUAL EGRESS WIDTH PROVIDED	36"	36"
NUMBER OF EXITS REQUIRED	IBC, SECTION 1006.2.1	1
NUMBER OF EXITS PROVIDED		1
MAXIMUM TRAVEL DISTANCE ALLOWED	IBC, TABLE (1017.2)	100'

LIFE	SAFETY	NOTES

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

AREA	CLASSIFICATION	OCCUPANT LOAD (S.F./OCC.)	SQ. FT.	CALCULATED OCCUPANTS
RECEPTION 101	MERCANTILE	60	100	2
MERCHANDISE 102	MERCANTILE	60	151	3
SAUNA 103	BUSINESS	150	60	1
RED LIGHT 104	BUSINESS	150	60	1
9AUNA 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	AL BUILDING OCCUPANT	rs		15



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REV No.	/ISIONS DATE	NOTE
/ 1	05.22.2024	СІТҮ СОММ.
2	05.29.2024	CITY COMMENTS
Dra	wn by:	
Che	ecked by:	
	N	

Project No: May 30, 2024

Plan - LS & Egress

A-100



F7 PLAN - LIFE SAFETY & EGRESS

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

GENERAL NOTES

1. ELECTRICAL SERVICE - LL TO PROVIDE ONE 120/208 VOLTS, 400 AMP SERVICE INSTALLED AT LEASED PREMISES. PANELS SHALL CONSIST OF TWO 400 AMP PANELS INCLUDING BREAKERS FED FROM DISCONNECT SWITCHES. LANDLORD, AT LANDLORDS SOLE COST, WILL SEPARATE THE ELECTRICAL PANELS WITHIN THE SUITE FOR TENANT. DUPLEX OUTLETS ABOVE STOREFRONT AT 10'-O" OR AS REQUIRED BY CODE. CONDUIT PROVIDED FOR ONE (1) CIRCUIT FOR TENANT SIGNAGE LOCATED ABOVE FRONT WALL. TENANT WILL CONTACT UTILITY COMPANY AND HAVE THE SERVICE PLACED IN TENANT'S NAME UPON DELIVERY OF LEASED PREMISES. LANDLORD TO PROVIDE AT LEAST 66 PANEL BREAKERS.

2. WATER SERVICE - LL TO PROVIDE 1" DOMESTIC WATER LINE FROM LOCAL MAIN TO LEASED PREMISES WITH PRIVATE SUB-METER. ALL COSTS ASSOCIATED WITH MOVING THE EXISTING PLUMBING/WATER SERVICE CURRENTLY INSTALLED ARE THE TENANT'S SOLE COST AND RESPONSIBILITY.

3. GAS SERVICE - LL TO INSTALL ADEQUATE GAS LINE AND METER TO BUILDING. PIPING TO ROOF SHALL BE ADEQUATELY SIZED TO ACCOMMODATE THE HVAC UNITS. INSTALL A GAS LINE STUBBED INTO THE LEASED PREMISES IN ADDITION TO THE GAS LINE SERVING THE HVAC UNITS.

4. BUILDING SANITARY SEWER - LL TO PROVIDE A 4" SANITARY SEWER LINE FROM THE LEASED PREMISES TO THE AUTHORIZED MAIN SEWER OR A GOVERNMENTALLY APPROVED SEPTIC SYSTEM.

5. TELEPHONE CONDUIT - LL TO PROVIDE AND INSTALL TELEPHONE CONDUIT, STUBBED AT LANDLORD'S SPECIFIED LOCATION. TELEPHONE SERVICE AND CONDUCTORS WILL BE BY THE TENANT.

6. HVAC SYSTEM - LL TO PROVIDE HVAC SYSTEM WHICH SHALL CONSIST OF A ROOF-MOUNTED SYSTEM WITH GAS FORCED AIR HEAT. COOLING CAPACITY SHALL BE BASED ON 250 SF OF LEASE SPACE PER TON OF AIR CONDITIONING. TENANT SOLELY RESPONSIBLE FOR INSTALLATION OF ALL DUCTWORK MATERIALS AND EQUIPMENT. LANDLORD SHALL PROVIDE 9 TONS OF HVAC SERVICE.

7. DRYWALL & CEILING SYSTEM - TENANT'S SOLE RESPONSIBILITY FOR MATERIALS, IN ADDITION TO ALL LABOR AND MATERIALS INVOLVED WITH INSTALLATION. LANDLORD SHALL PROVIDE AND INSTALL STANDARD 5/8" DRYWALL AT INTERIOR DEMISING WALLS. THE JOINTS AND FASTENERS SHALL BE TAPED, FLOATED, SANDED AND READY FOR TENANT FINISH. INTERIOR FACE OF THE EXTERIOR WALLS TO REMAIN UNFINISHED BUT INSULATED AS REQUIRED BY CODE FOR THE EXTERIOR WALLS.

8. FLOORS - LL TO PROVIDE EXPOSED CONCRETE, PATCHED AS NECESSARY, TO A SMOOTH, UNIFORM AND CONSISTENT TEXTURE READY FOR TENANT'S FINISHES. FLOOR SLAB LEAVE-OUTS SHALL BE PROVIDED AT RESTROOM AND REAR OF SPACE. TENANT SHALL PLACE CONCRETE FLOOR SLAB AT LEAVE OUTS.

SYMBOL LEGEND EXISTING 2 HR DEMISING WALL (SOUTH) (NORTH)

EXISTING 2 HR DEMISING WALL EXISTING STOREFRONT

GLAZING EXISTING EXTERIOR WALL



May 30, 2024

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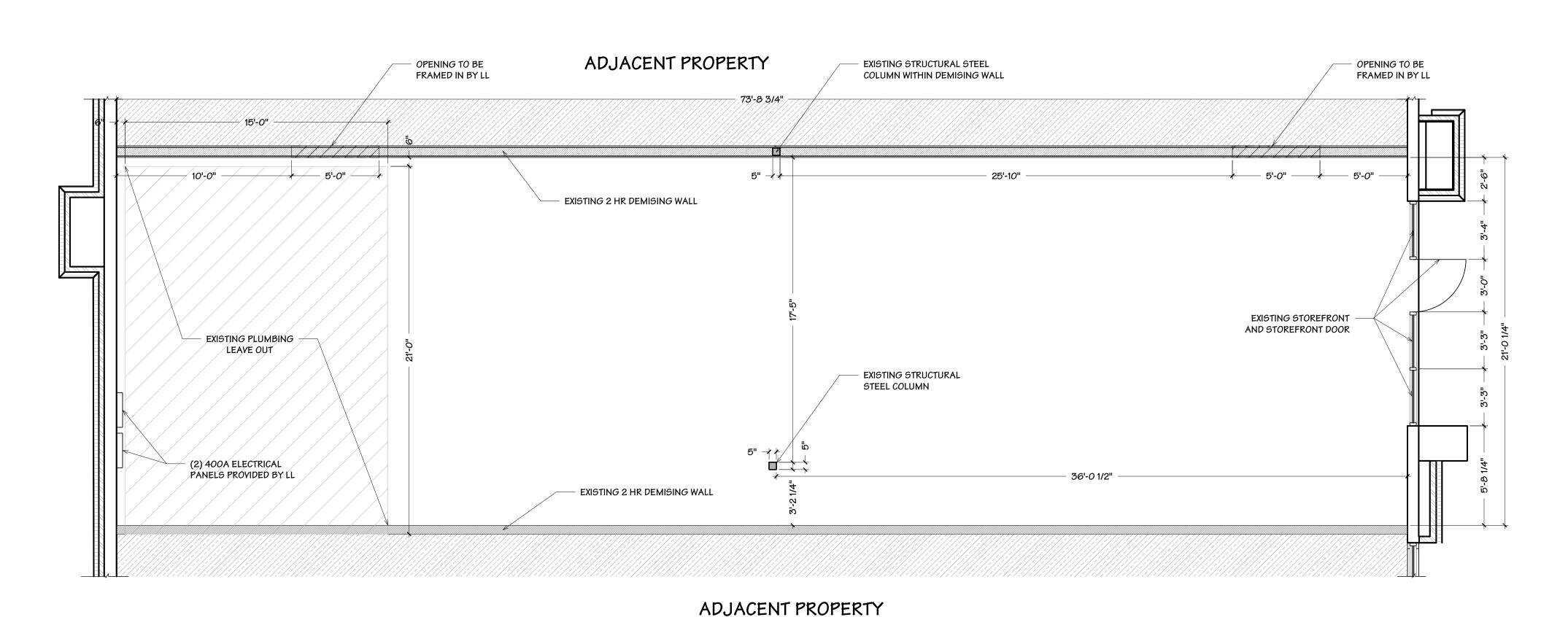
REVISIONS No. DATE NOTE Drawn by: Checked by:

Project No: May 30, 2024

Plan - Existing

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

A-101

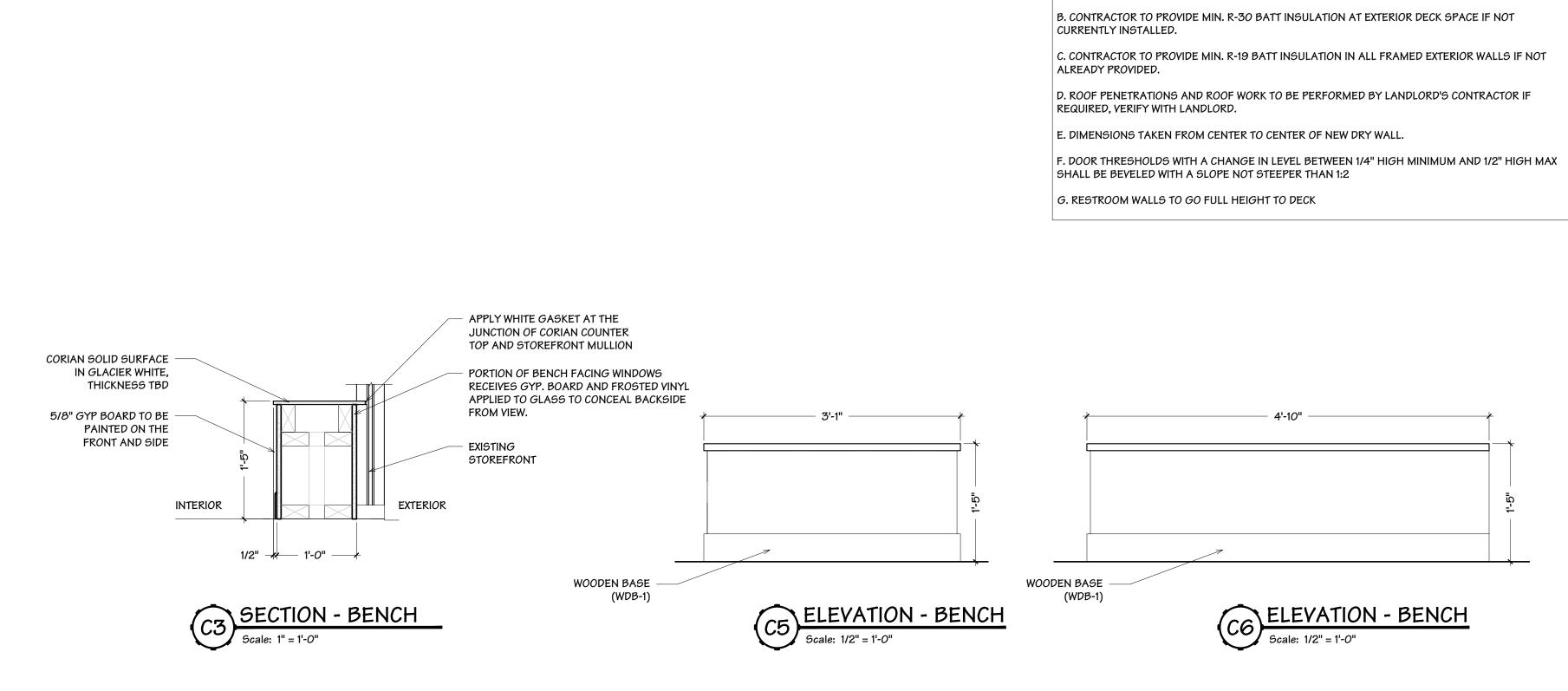


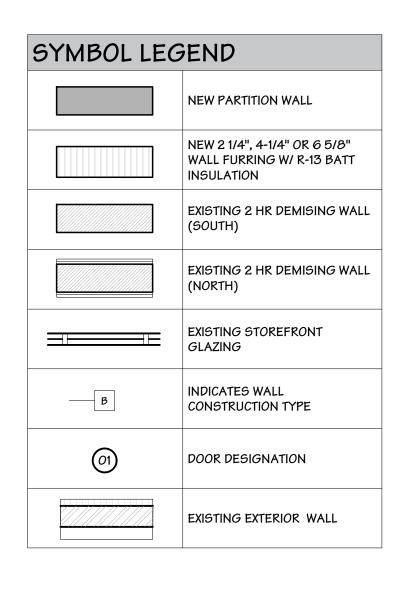
	TEOOR TENTER TOTES S
1	(2) 400A ELECTRICAL PANELS PROVIDED BY LL. SEE ELECTRICAL FOR MORE DETAILS.
2	PROVIDE NEW HOT WATER HEATER ABOVE CEILING - SEE PLUMBING PLAN ON SHEET P1.O. GC TO PROVIDE SHELF AND SUPPORTS FOR HOT WATER HEATER - REFER TO SHEET A-502.
3	PROVIDE FIRE EXTINGUISHER: 10LB CLASS ABC 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.O.
(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 SIDES).
25)	NOT USED

EXISTING 2HR RATED DEMISING WALL

FLOOR PLAN KEY NOTES &

KEY NOTE#





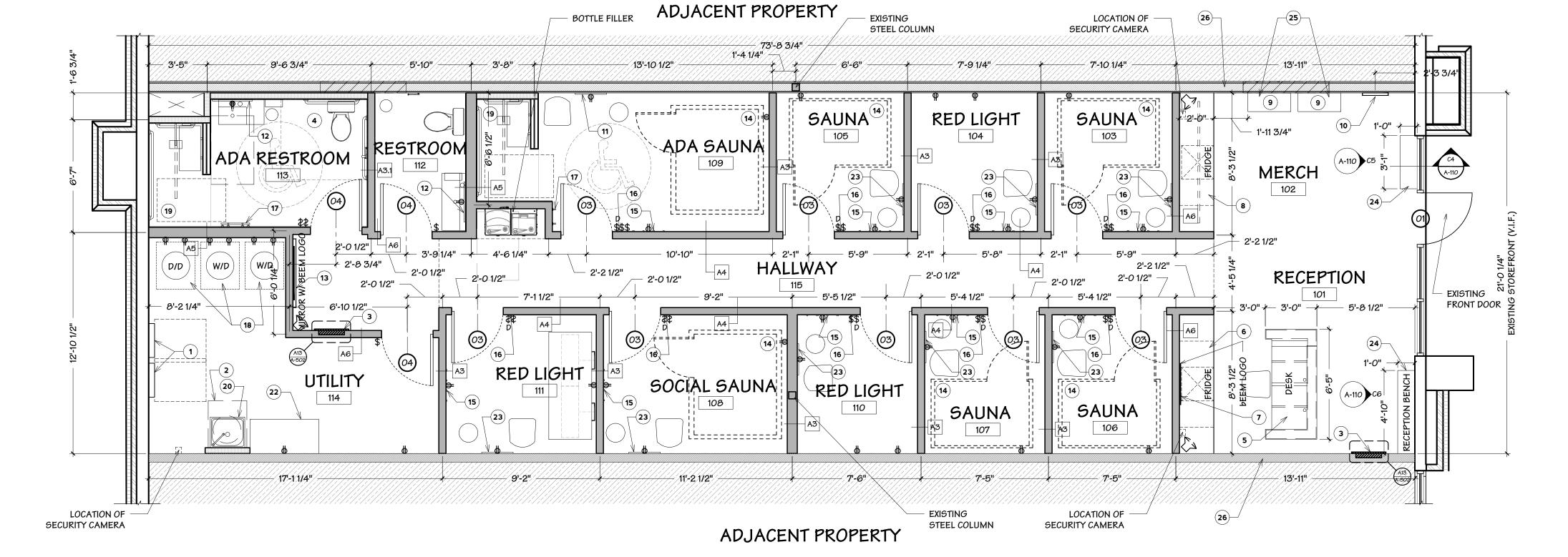


REVISIONS No. DATE NOTE Drawn by: Checked by: Project No:

May 30, 2024

Plan - Floor

A-110



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

GENERAL NOTES

A. FURNITURE PLACEMENT SHALL NOT RESTRICT ADA ACCESS REQUIRED.

YMBOL	MAKE/MODEL	DESCRIPTION			
****		CEILING DETAIL			
FINISH HEIGHT AFF		CEILING ELEVATION			
	GC	SUPPLY DIFFUSER, REF: ME			
	GC	RETURN AIR GRILL, REF: MI			
	GC	EXHAUST FAN, REFER MECHANICAL M1.0			
EXIT	GC	EXIT LIGHT W/ BATTERY PACK , REF: MEP			
	GC	WALL MOUNTED EMERGENCY LIGHT, REF: MEP			
	MODEL# VMP 25030BL; VENDOR: VONN	CHANDELIER, REF: MEP.			
¤	HALO HC410D010 RECESSED 4" 3500K, WHITE TRIM OR SUBSTANTIALLY SIMILAR ALTERNATE	RECESSED DOWN LIGHT, REF: MEP			
¤	HALO HC610D010 RECESSED 6" 3500K, WHITE TRIM OR SUBSTANTIALLY SIMILAR ALTERNATE	RECESSED DOWN LIGHT, REF: MEP			
	PLT-90270 3500K; 60LOR: WHITE	COLOR SELECTABLE LED SUSPENSION LIGHT FIXTUR			
	WYZE LIGHT STRIP PRO	TAPE LIGHT IN BARREL HALLWAY CHANNELS - 50 IN 16.4' OR 32.8' KITS- TRIMMABLE			
D \$		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 - 5/8" THK. CEILING GRID 'GRID-1': VENDOR - ARMSTRONG MODEL 'T' GRID; COLOR - WHITE; SIZE - 9/16" OR SUBSTANTIALLY SIMILAR ALTERNATE	ACOUSTICAL CEILING TILES			
	USG OR EQUIVALENT	NEW GYPSUM BOARD CEILING			
	USG OR EQUIVALENT	2 LAYERS OVER FLEX-C METAL SURFACE			
Δ	OWNER	WALL MOUNTED SPEAKER			

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.

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 4. EXTERIOR SIGN JUNCTION BOX TO BE BROUGHT WITHIN 5 FEET OF THE PROPOSED STOREFRONT SIGN LOCATION. REFER TO SHEET E1.0.

5. BOTTOM OF CHANDELIERS AT 9'-0" A.F.F.; TYP.



4708 N. FM. 1417 Sherman, Texas 75092 903.813.1415



May 30, 2024

beem
2070 NW L
Lee's Si

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

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

A-112

ADJACENT PROPERTY SHOWER -SHOWER -SAUNA 105 SAUNA RED LIGHT ADA RESTROOM RESTROOM ADA SAUNA MERCH ACT-1 10'-0" AFF ACT-1 10'-0" AFF ACT-1 10'-0" AFF GYP, BD. CLG. 9'-0" ACT-1 10'-0" AFF GYP. BD. CLG. GYP.BO.CLG. LED LIGHT CHANNEL @ 8' A.F.F LED LIGHT HALLWAY RECEPTION 12'-2" A.F.F. 101 SOCIAL SAUNA REDLIGHT RED LIGHT SAUNA **SAUNA** ACT-1 10'-0" AFF ACT-1 10'-0" AFF ACT-1 10'-0" AFF ACT-1

ADJACENT PROPERTY

PLAN - REFLECTED CEILING

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

Sheet:

Plan - RCP

ŧ	COLOR/FINISH	SUPPLIED	INSTALLED
769	CLEAR 10.5"H x 8.5"W	OWNER	OWNER
	MATTE BLACK 7.32 x 3.62	GC*	GC

MARK	DESCRIPTION	MANUFACTURER & MODEL #	COLOR/FINISH	SUPPLIED	INSTALLED
1	WASTE RECEPTACLE	ROOM ESSENTIALS #064-05-2769 @ TARGET	CLEAR 10.5"H x 8.5"W	OWNER	OWNER
2	TOILET PAPER DISPENSER	TASTOS #BO8FWQBQS5 @ AMAZON.COM	MATTE BLACK 7.32 x 3.62 x 2.28	GC *	GC
3	SOAP DISPENSER	CONTAINER STORE #10080651	MATTE BLACK 6.5 OZ	OWNER	OWNER
4	PAPER TOWEL DISPENSER	ESSENTIALLY YOURS #B07PM8QRZ3 @ AMAZON.COM	BLACK 12.17 X 8.46 X 5.04	GC *	GC
5					
6	ROUND LED WALL MIRROR	IVY BRONX LASOYA ROUND LED WALL MIRROR, # W100134102, 28"X28" WWW.WAYFAIR.COM	28" DIA. ROUND, GLASS, WALL MOUNTED, PLUG-IN TYPE	GC	GC
7	GRAB BAR CONCEALED MOUNT - 36"	STAINLESS STEEL 11/4" - 2" MAX O.D.	GC	GC	
8	GRAB BAR CONCEALED MOUNT - 42"	STAINLESS STEEL 1 1/4" - 2" MAX O.D.	MATTE BLACK AND ROUND TRIM (FOR ALL GRAB BAR)	GC	GC
9	GRAB BAR CONCEALED MOUNT - 18"	STAINLESS STEEL 1 1/4" - 2" MAX O.D.	MATTE BLACK AND ROUND TRIM (FOR ALL GRAB BAR)	GC	GC
9A	GRAB BAR CONCEALED MOUNT - 60"	STAINLESS STEEL 11/4" - 2" MAX O.D.	MATTE BLACK AND ROUND TRIM (FOR ALL GRAB BAR)	GC	GC
10	ROBE HOOKS & TOWEL BAR KIT	LAIRUIER #B07WN3F93N @ AMAZON.COM	MATTE BLACK	GC	GC
11	ACCESSIBLE WALL- MOUNTED FOLDING SEAT	TEAKWORK54U PTBF-320160W	NATURAL	GC	GC
12	SOAP & SHAMPOO DISPENSER	ZERODIS BO8HV21PQ2 @ AMAZON.COM	BLACK	GC	GC
13	TALL BACKLIT MIRROR	HANS & ALICE #B07FQLH7S7	21.7"W X 65" W MOUNT @ 12" A.F.F.	GC	GC
13A	WLH LED MIRROR	IVY BRONX LASOYA ROUND LED WALL MIRROR (28"X28"), SKU: W100134102 @ WAYFAIR.COM	RECESSED OUTLET @ 60" AFF. INSTALL HEIGHT AT 48" A.F.F.	GC	GC
14	REGULAR SAUNA	SYMMETRY SAUNA	REFER 'SYMMETRY SAUNA' MARK 1 SPEC SHEET	OWNER	OWNER
15	SOCIAL SAUNA	SYMMETRY SAUNA	REFER 'SYMMETRY SAUNA' ADA SPEC SHEET	OWNER	OWNER
16	SAUNA CHAIR	SVELTI #11627	DUSTY PINK	OWNER	OWNER
17	SAUNA SIDE TABLE	WEST ELM #3955376 FLUTED SIDE TABLE	WHITE	OWNER	OWNER
18	LIGHT THERAPY MACHINE, STAND & BED			OWNER	GC
19	TIMER	VOCOO #BO8M95B91P	3.07 X 1.06	OWNER	GC
20	COAT HOOKS	WEST ELM PONTO WALL HOOKS	MULTI	OWNER	GC
21	RECEPTION DESK CHAIR	ARTICLE #12162	WHITE	OWNER	OWNER
22	LUUMI SCREEN	18"W X 30"H X 1.8"D VERIFY POWER HEIGHT		OWNER	GC
23	TOWEL & BEVERAGE REFRIGERATOR	23.63"W x 33.5"H 23.5"D	SILVER	OWNER	GC
24	SPEAKER & MOUNTS		SPEAKER OUTLETS TO BE NO MORE THAN 2" OFF THE WALL CORNER	OWNER	OWNER
25	MERCHANDISE RACK	CRATE & BARREL #386941 STAIRWAY BOOKCASE	WHITE	GC	GC
26	APPAREL RACK	40" W X 1.25" DIA. KROFT.CO HANGING CLOTHES RACK MEDIUM	WHITE	GC	GC
27	BEEM ACRYLIC SIGN	55" W X 25" H X 1/2" DIA. INSTALL AT 65" A.F.F.	WHITE	OWNER	OWNER
28	LAUNDRY TABLE			OWNER	OWNER
29	HALLWAY MIRROR	48"W X 78"H INSTALL ABOVE WOOD BASE	1" RADIUS CORNERS	GC	GC
30	ACCESSIBLE SIGNAGE	REFER TO DETAIL A4/A-501		GC	GC
31	beem ILLUMINATED SIGN	35"W x 10.75"H REQUIRES J-BOX ABOVE CEILING OF ADJACENT ROOM		OWNER	OWNER
32	STACKING DRYER	SPEED QUEEN #LSEE5AGS173TWO1		OWNER	GC
32A	STACKING WASHER/DRYER	SPEED QUEEN #LTEE5ASP175TW01		OWNER	GC

FURNITURE/ACCESSORY SCHEDULE IN-

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

TBD

GLACIER BAY ALL-IN-ONE

INTERNET # 206057007

MODEL # QLO33Y

BUILT-IN BENCH

RESTROOM NOTES:

33

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.

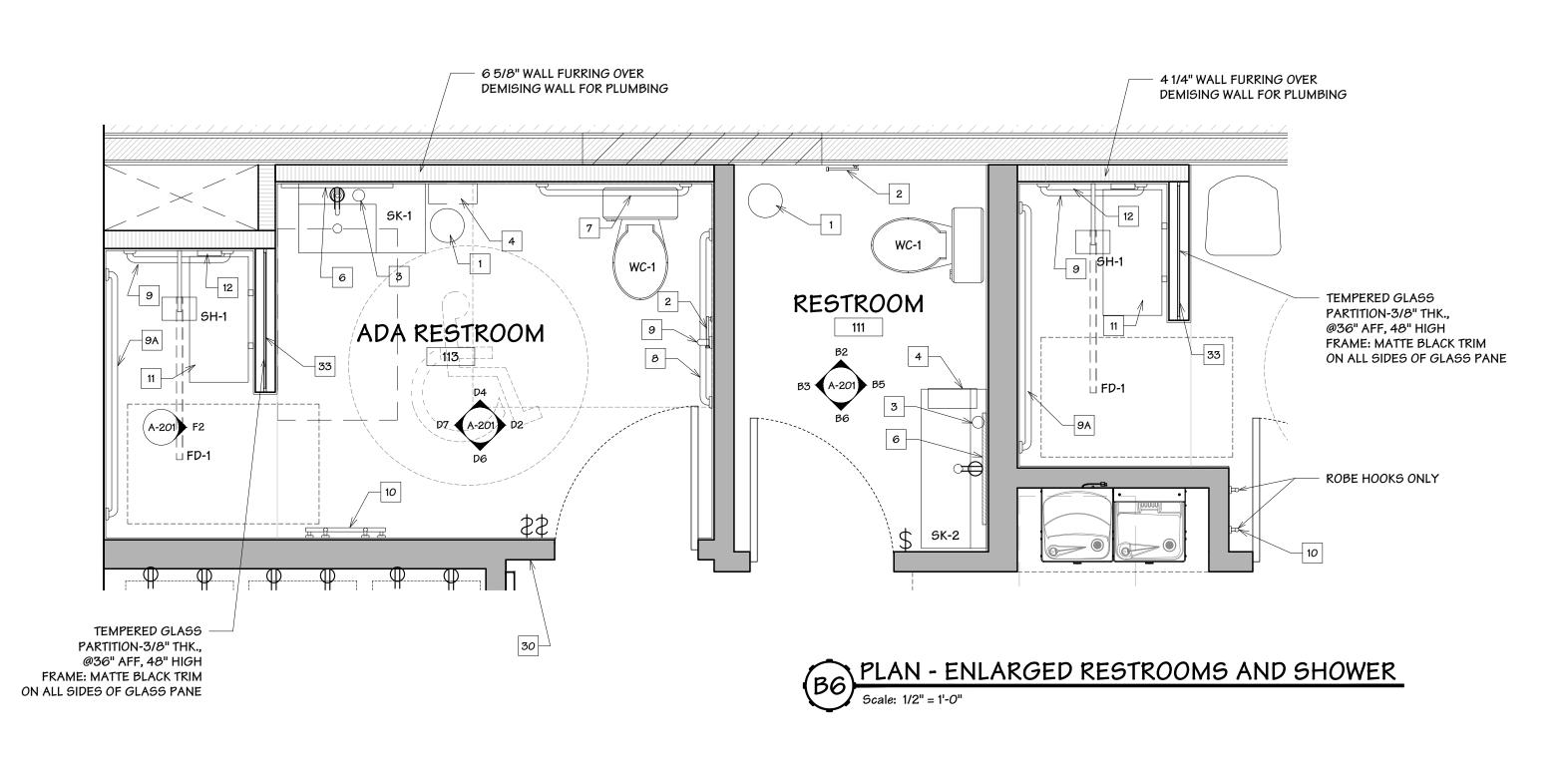
TEMPERED GLASS

PARTITION

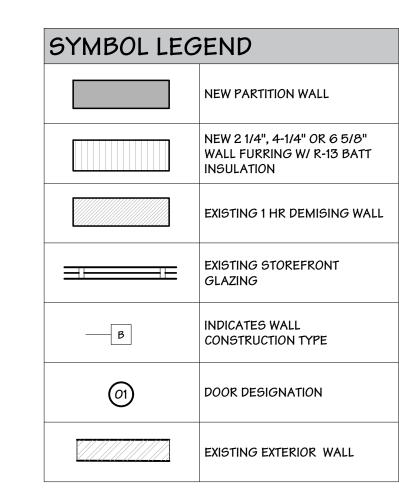
UTILITY SINK

RECEPTION BENCH

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.



ADA SAUNA







May 30, 2024

Sauna

be 20

REVISIONS No. DATE NOTE Drawn by: Checked by:

Project No: Date: May 30, 2024

Plan - Furniture

F6 (A-202)

RECEPTION

A-113

GC

GC

FRAME: MATTE BLACK

STAINLESS STEEL SINK

WITH WHITE CABINET

CORIAN SOLID SURFACE

TOP IN GLACIER WHITE, DRY WALL BASE

ADA RESTROOM

UTILITY

RED LIGHT

RED LIGHT

SAUNA

SAUNA

106

RELEASED FOR CONSTRUCTION As Noted on Plans Review Lee's Summit, Missouri

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 GWB-3 5/8" TYPE "X" USG OR EQUAL GYPSUM 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 ACT-1 ARMSTRONG DUNE 24" X 24" LAY-IN CEILING, BEVELED 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 GC GYP BOARD

MOLD-RESISTANT ASTM C1396

METAL SURFACE

STANDARD HIGH-PRESSURE

LAMINATE

1/2" THK. 100% ACRYLIC

1/2" TYPE "X" USG OR EQUAL GYPSUM

BOARD (WET AREAS)

FORMICA

CORIAN

USG OR EQUAL 1/4" FLEXIBLE GYPSUM 2 LAYERS INSTALLED OVER FLEX-C

GCB-2

GYP BOARD

GCB-3

GYP BOARD

PLASTIC LAM.

SOLID SURFACE

CASEWORK

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



4708 N. FM. 1417 Sherman, Texas 75092 903.813.1415

auna beem 070 NW L Lee's S

207

REVISIONS No. DATE NOTE Drawn by: Checked by:

Project No: **▲** Date: May 30, 2024

Plan - Finish

PAINT

PAINT

FORMICA 9244-58

CLASSIC WHITE

GLACIER WHITE

GC

GC

GC

GC

GC

GC

GC

GC

ADA RESTROOM RESTROOM

PT-3

CON-1 PT-2 WDB-1

WT-2
CON-1

SHOWER

WT-2 FT-1

UTILITY

114

WDB-1 CON-1

(FRP)

PT-2

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

SAUNA

105

WDB-1 CON-1

(PT-2)

RED LIGHT

110

(WDB-1) CON-1)

PT-3

PT-2

RED LIGHT

104

WDB-1 CON-1

SAUNA

107

(WDB-1) CON-1)

PT-2

PT-2

SAUNA

103

WDB-1 CON-1

SAUNA

106

(WDB-1) CON-1)

PT-2

PT-2

A-114

	ROOM FINISH SCHEDULE																										
	FLOOR BASE WALL														Г		CEIL	ING			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 (55T-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	GRID-1 / ACT-1	GYP. BOARD (GCB-1/PT-2)	M.R. GYP. BRD (GCB-2/PT-2)	VAULT BD (GCB-3/PT-2)	01S (PT-2)	EXISTING	INDICATES WHERE WALL FINISH OCCURS NORTH LG 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.
- 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.

MARKS	
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RIENTATION)	BI Of Al
LL BEHIND BED	101
T BE SHOWN)	102
	103
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LL BEHIND BED T BE SHOWN)	109
LL BEHIND BED	110
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	113
RROR WALL	114
	115

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.

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		F	RAME	HEA	.D/J/	АМВ	0	001	₹		RATI	ING		HA	ARDV	VAR	E			TYPE	REMAR	RKS					
SPE CON INF BUI ORI	TE DIVISION 8 OF THE CIFICATIONS, ITAINING IMPORTANT DRMATION 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	20 MINUTE	45 MINUTE	90 MINUTE	GROUP A	GROUP B1	GROUP B2	GROUP C	GROUP D (EXISTING)	GROUP E (STOREFRONT)								
101	RECEPTION									•									•								
102	MERCHANDISE																										
103	SAUNA	•			•			•		•						•				В	1, 2	М	ARKEI	D AS	03)(ON A-1	110
104	SAUNA	•			•			•		•						•				В	1, 2	M	ARKEI	D AS	03)0	ON A-1	110
105	SAUNA	•			•			•		•						•				В	1, 2	M	ARKEI	D AS	<u>03</u> 0	ON A-1	110
106	SAUNA	•			•			•		•						•				В	1, 2	M	ARKEI	D AS	<u>03</u> 0	ON A-1	110
107	SAUNA	•			•			•		•						•				В	1, 2	M	ARKEI	D AS	<u>03</u> 0	ON A-1	110
108	SOCIAL SAUNA	•			•			•		•						•				В	1, 2	M	ARKEI	D AS	<u>03</u> 0	ON A-1	110
109	ADA SAUNA	•			•			•		•						•				В	1, 2, 3	M	ARKEI	D AS	<u>03</u> 0	ON A-1	110
	SHOWER																										
110	RED LIGHT	•			•			•		•						•				В	1, 2	M	ARKEI	D AS	<u>(03</u>)(ON A-1	110
111	RED LIGHT	•			•			•		•						•				В	1, 2	M	ARKEI	D AS	<u>03</u> 0	ON A-1	110
112	RESTROOM	•		•			•			•					•					Α	1, 2	M	ARKEI	D AS	<u>(04)</u> (ON A-1	110
113	ADA RESTROOM	•		•			•			•					•					Α	2, 3	M	ARKEI	D AS	<u>(04)</u> C	ON A-1	110
	SHOWER																										
114	UTILITY/STORAGE	•		•			•			•							•			Α		M	ARKEI	D AS	04 C	ON A-1	110
115	HALLWAY																										

GENERAL NOTES

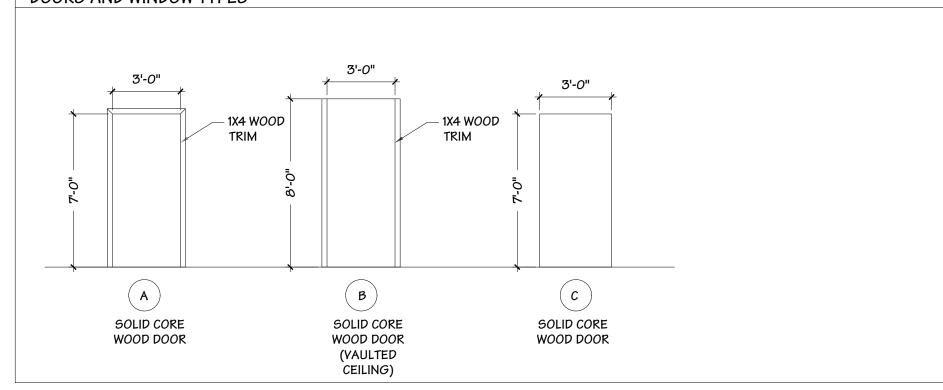
- A. ALL INTERIOR DOORS TO BE SMOOTH, FLUSH SOLID CORE, WOOD DOORS PREPPED FOR A PAINT FINISH, UNLESS NOTED OTHERWISE (U.N.O.).
- B. DOOR CLOSERS, LEVER HANDLES, ETC. TO MEET ADA REQUIREMENTS.
- C. REPLACE EXISTING WEATHERSTRIPPING ON EXTERIOR DOORS IF NOT SEALING DOOR FROM AIR & WATER PENETRATION.
-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

REMARKS

- 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	D FRAMES			
INTERIOR DOORS	-	SMOOTH, FLUSH SOLID CORE WOOD	PT-2 SATIN FINISH	SEE DETAIL
INTERIOR FRAMES	1X4 WOOD	-	PT-2 SEMI- <i>G</i> L099	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	MATTE DI ACK EDAME	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	NEW HARDWARE PER	MATCH EXISTING		

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 8 DOOR AND FRAMES

- 1.1 ALL EXITS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
- 2.1 MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS AND SURFACE BOLTS ARE PROHIBITED.
- 3.1 ITEM 1 NEED NOT APPLY TO THE FRONT DOOR OF A PLACE OF BUSINESS AS LONG AS A SIGN IS PLACED ABOVE THE DOOR IN 2" BLOCK LETTERS WITH CONTRASTING BACKGROUND THAT READS, "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED".
- 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.





May 30, 2024

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REVISIONS No. DATE NOTE 05.22.2024 CITY COMM.

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

Schedule

May 30, 2024

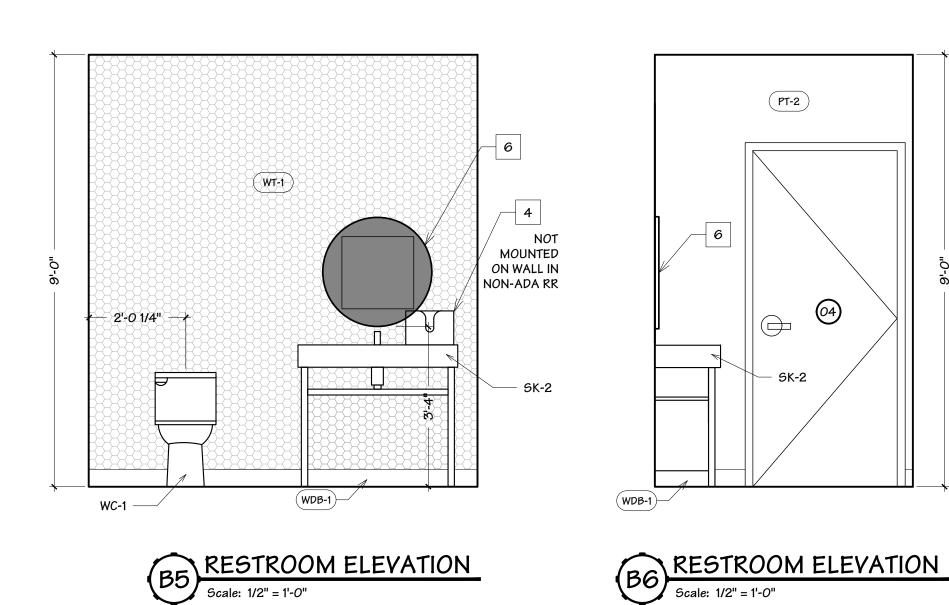
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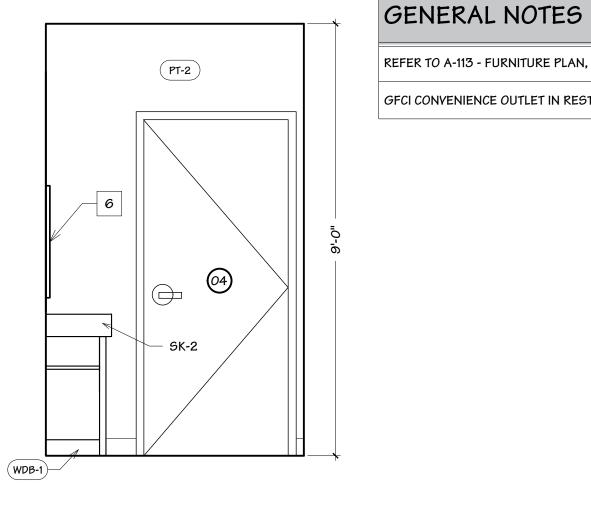
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PT-2 PT-2 PAINT MUST BE EPOXY_BASED WITHIN 2 FEET OF TOILET B2 RESTROOM ELEVATION

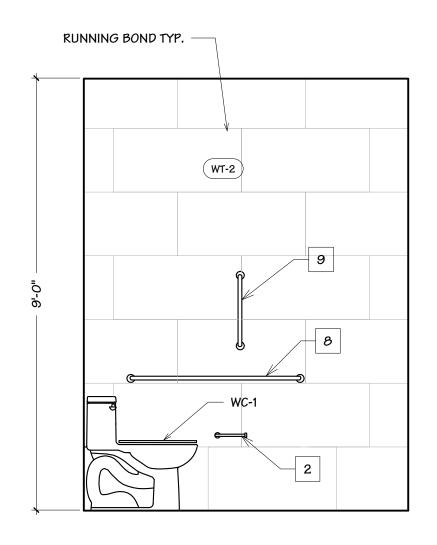
Scale: 1/2" = 1'-0" RESTROOM ELEVATION

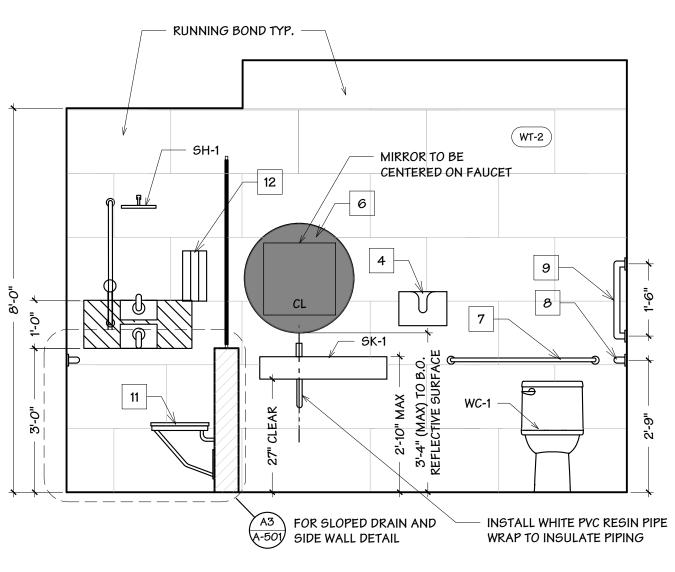
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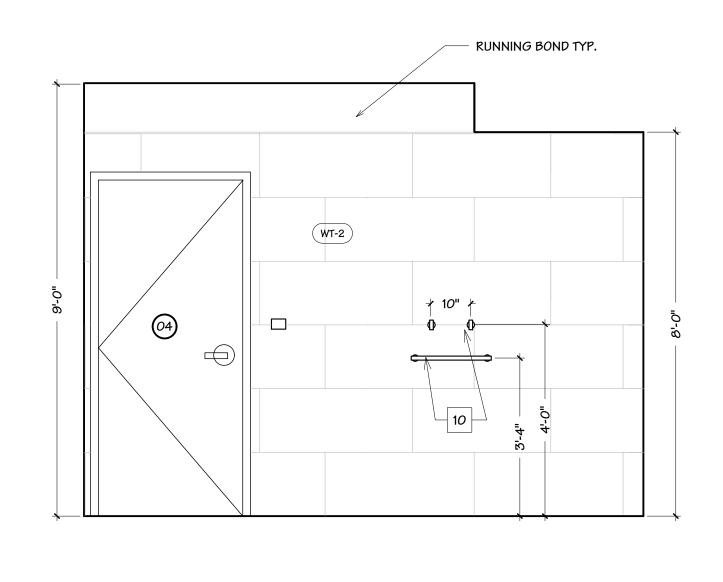


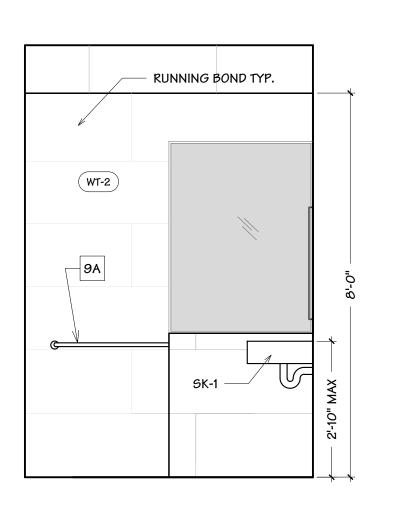


REFER TO A-113 - FURNITURE PLAN, FOR FURNITURE TAGS AND FURNITURE / ACCESSORY SCHEDULE GFCI CONVENIENCE OUTLET IN RESTROOMS TO BE INSTALLED AT 44" AFF 4708 N. FM. 1417 Sherman, Texas 75092 903.813.1415 www.bluestonebuild.com





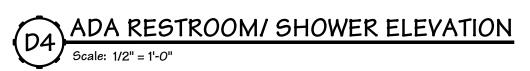






RUNNING BOND TYP.

WT-2





$\widehat{\mathbf{p}_7}$	ADA RESTROOM ELEVATION Scale: 1/2" = 1'-0"
(0)	Scale: 1/2" = 1'-0"

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Elevation - RR

A-201

F2 ADA RESTROOM SHOWER ELEVATION

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

SRT-1

RELEASED FOR
CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
06/10/2024

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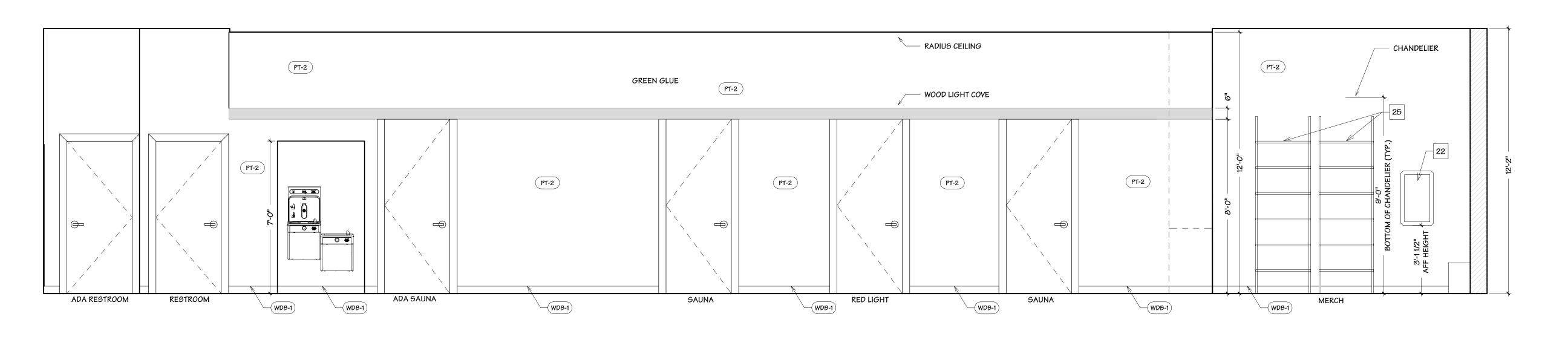
May 30, 2024

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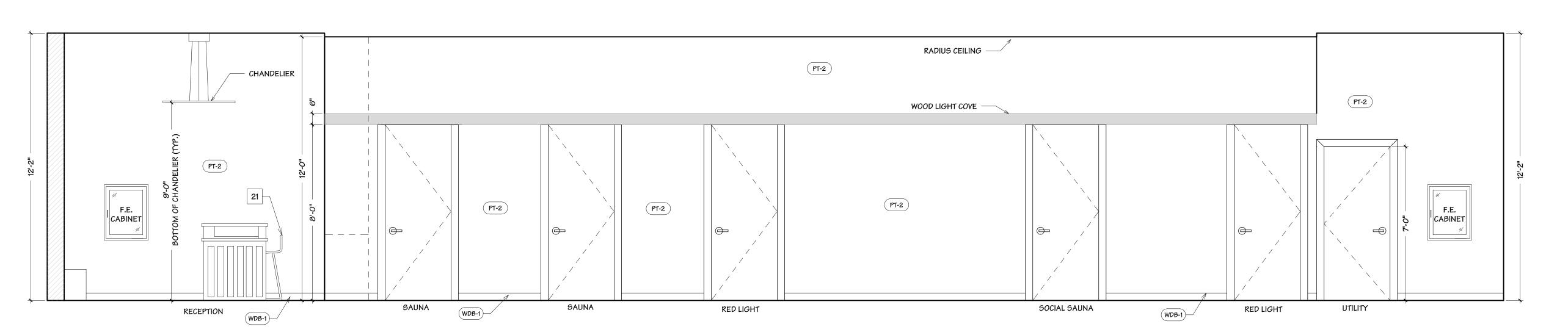
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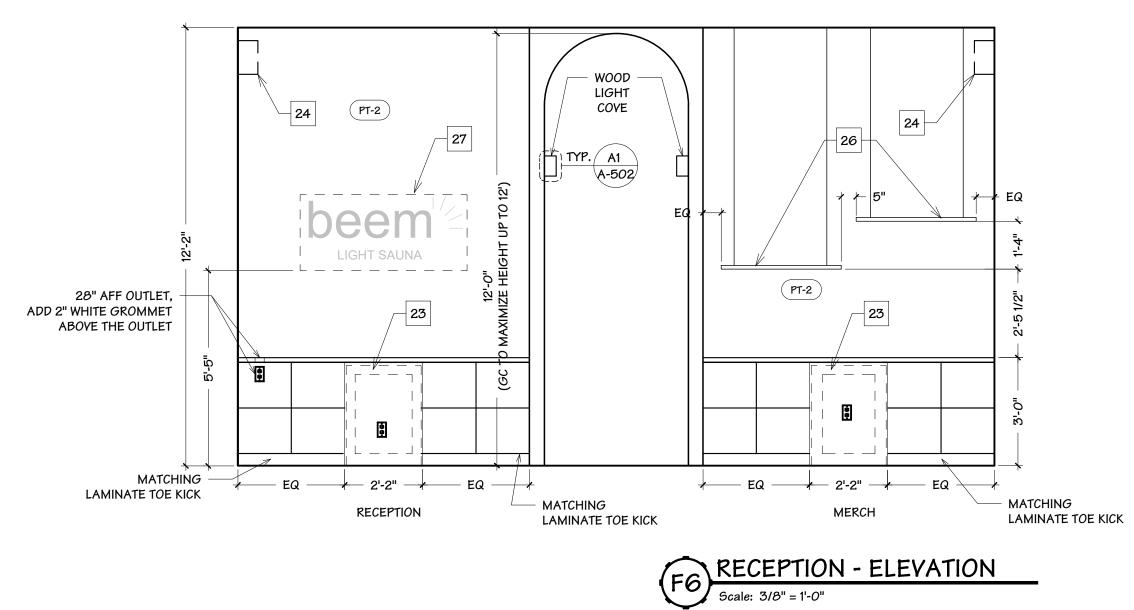
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BARREL HALLWAY - ELEVATION Scale: 3/8" = 1'-0"



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



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

GC TO MAXIMIZE BARREL HALLWAY HEIGHT ON SITE UP TO 12'. CONSIDERING EXISTING UTILITY PIPES AN

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

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Sheet:
A-202

Elevation

May 30, 2024

GENERAL NOTES

PT-2

VARIES

EQ.

VARIES

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



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May 30, 2024

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SAUNA ROOM ELEV. (NON-ADA)

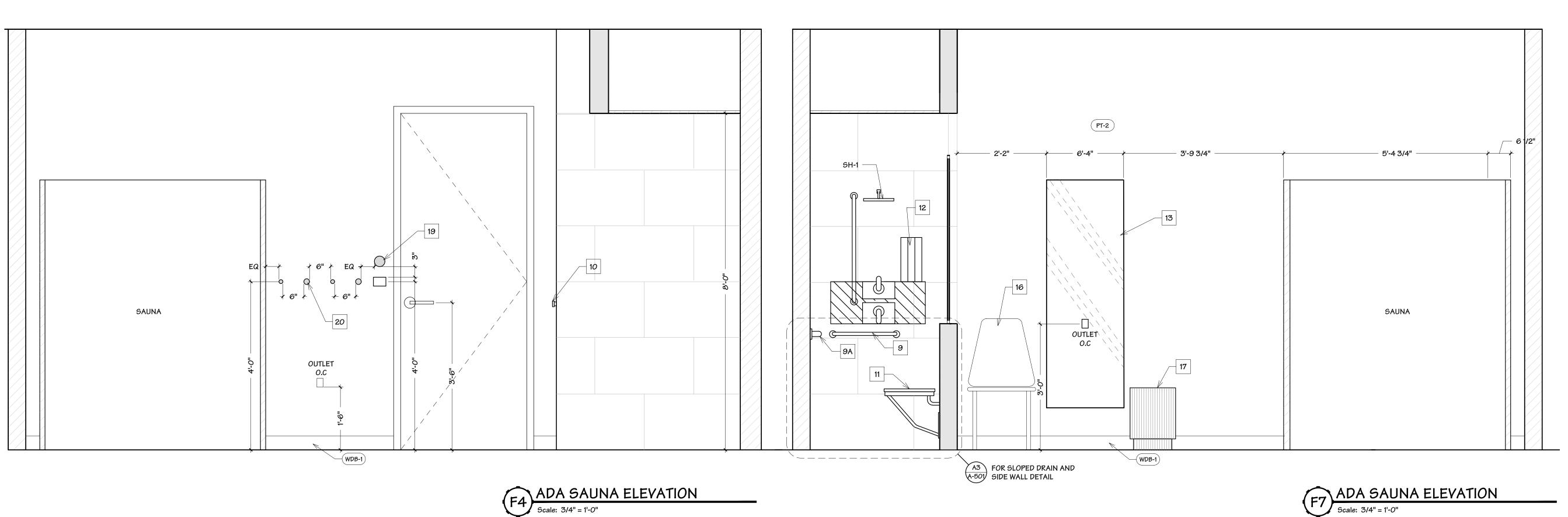
Scale: 3/4" = 1'-0"

PT-2 EQ. VARIES OUTLET// O.C/ 13A 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"



REVISIONS No. DATE NOTE

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

Elevation - Sauna

Sheet:
A-203

PT-2

SAUNA ROOM ELEV. (NON-ADA)

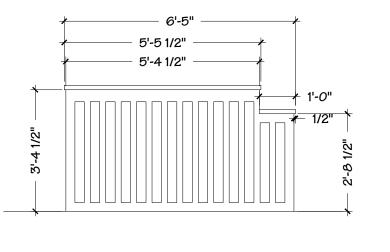
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PT-2

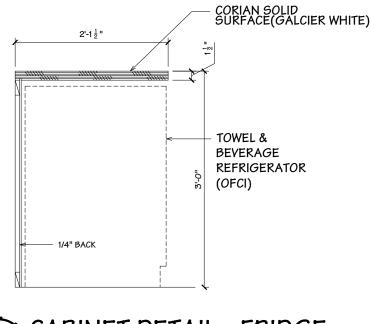
SAUNA

6 3/4" —

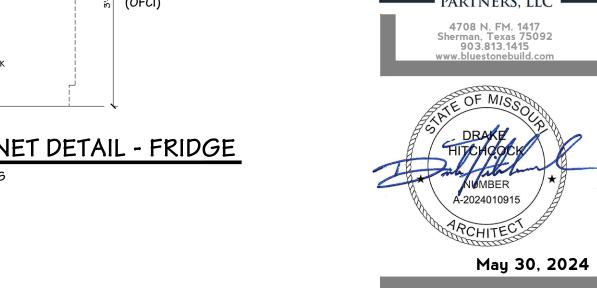
CONC SLAB PATCH Scale: NTS



RECEPTION DESK ELEVATION Scale: NTS







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REVISIONS

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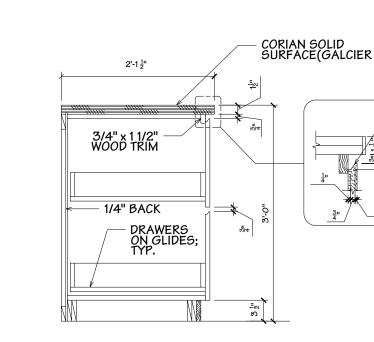
May 30, 2024

Master Details

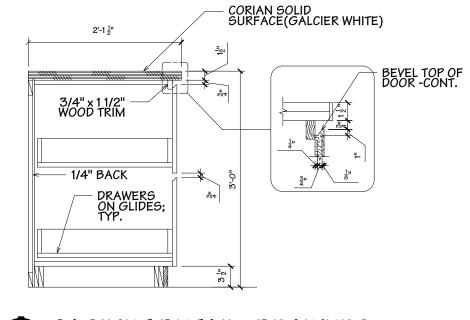
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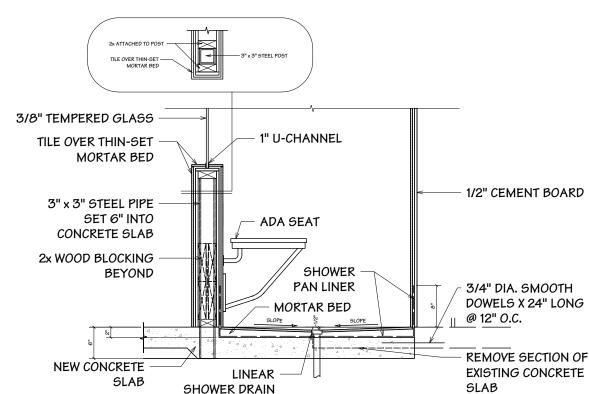
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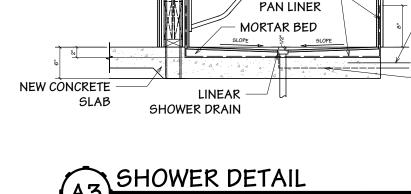
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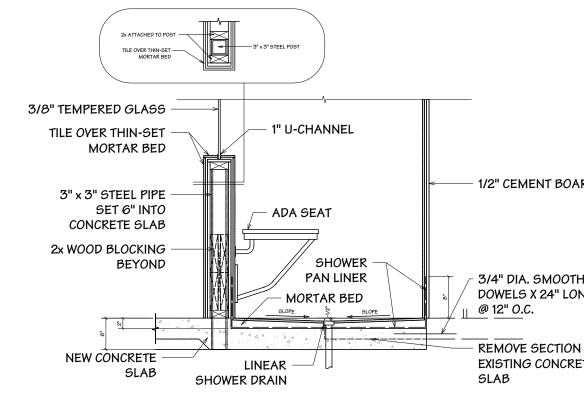


CABINET DETAIL- DRAWERS Scale: NTS

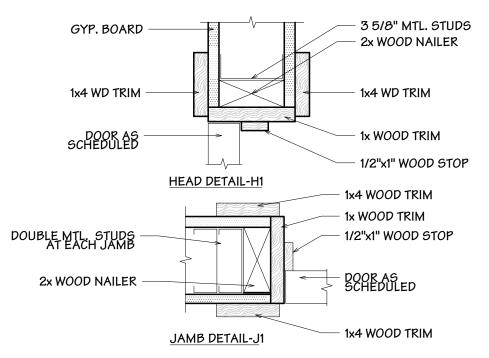












∤ 11 1/2"

A6 A501

RECEPTION DESK PLAN
Scale: NTS

5'-5 1/2" - 5'**-4** 1/2"

DRAWER

RECEPTION DESK ELEVATION

Scale: NTS

NOTE: POWER & DATA CONDUITS COME UP THROUGH THE WALL FRAME FROM THE

SLAB. THESE CABINETS TO HAVE CUTOUTS IN THE BACK TO SET A QUAD OUTLET AND

A DUAL DATA PORT ON THE BACK PANEL.



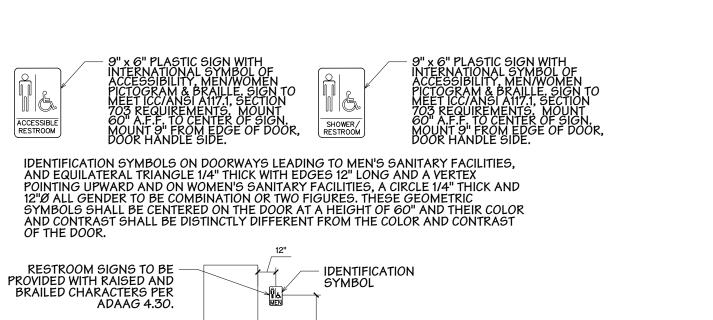
GYP. BOARD

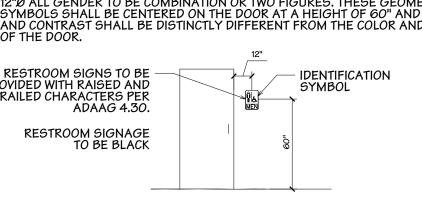
1x4 WD TRIM

DOOR AS

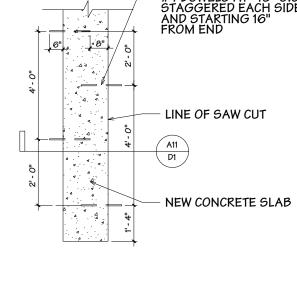
DOUBLE MTL, STUDS AT FACE

2x WOOD NAILER

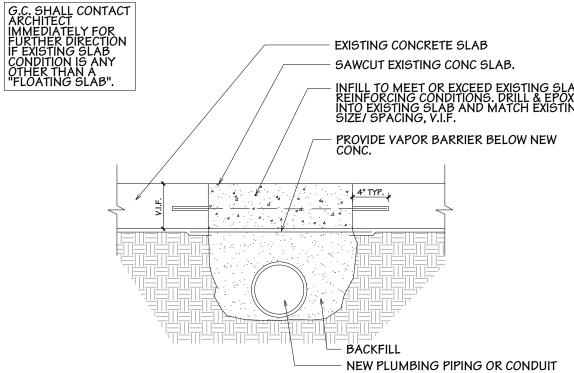


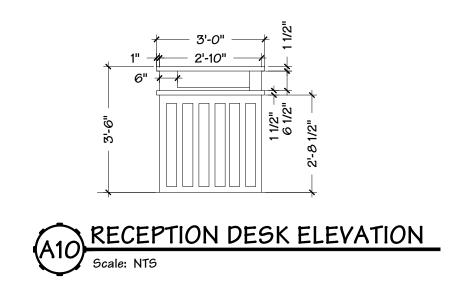






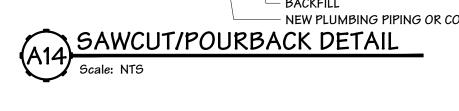


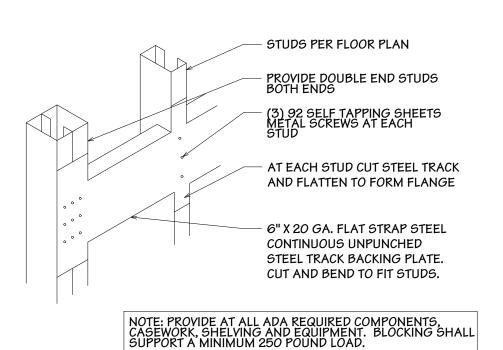


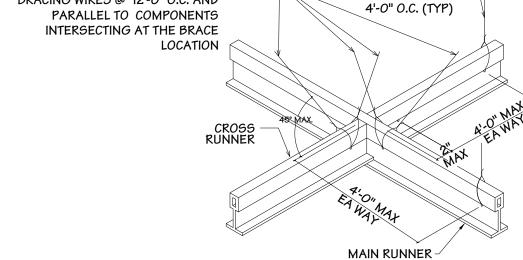


12 GA VERTICAL

HANGER WIRE @







FOUR (4) 12 GA SPLAYED LATERAL

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

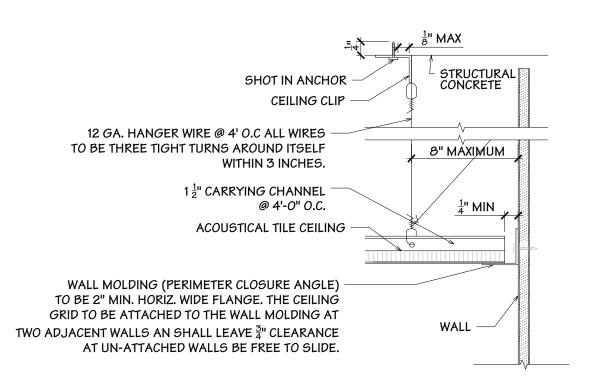






SPECIFICATIONS FOR DEVICE LOCATIONS

- 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.
- 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.







HEAD DETAIL-H2

JAMB DETAIL-J2

DUPLEX RECEPTACLE, - QUADPLEX COMMUNICATION OUTLET, ETC. (TYP.)

- VISUAL ALARM

DGE OF COLUMN

LT. SWITCH (TYP.)

THERMOSTAT (TYP.)

DEVICE LOCATION DIAGRAM

Stud Sizing Chart

6" METAL STUDS:

GAUGE: BRACING:

GAUGE: BRACING:

CABLE

- ELEC.

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:

A-501

3 5/8" MTL. STUDS

2x WOOD NAILER

LED TAPELIGHT

1x6 WD TRIM

- 1x WOOD TRIM

1x4 WOOD TRIM

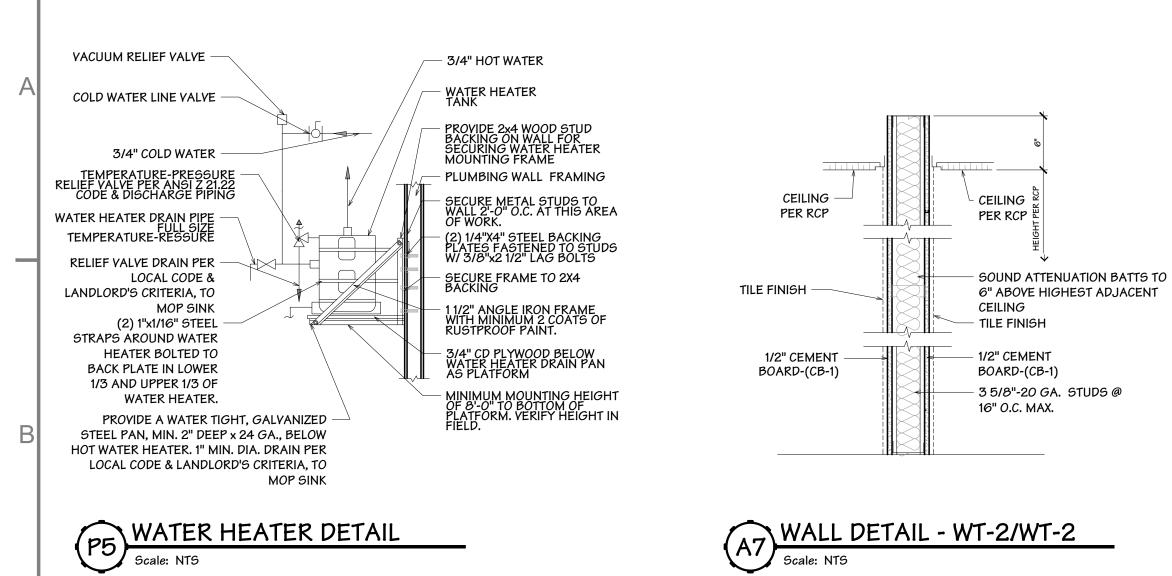
1/2"x1" WOOD STOP

1x WOOD TRIM

1x4 WOOD TRIM

1/2"x1" WOOD STOP

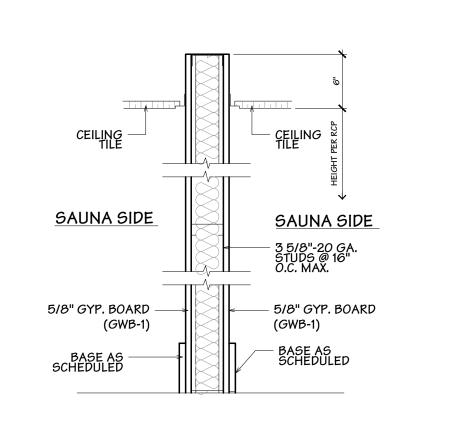
RELEASED FOR CONSTRUCTION As Noted on Plans Review Lee's Summit, Missouri



<u>beem SIDE</u>

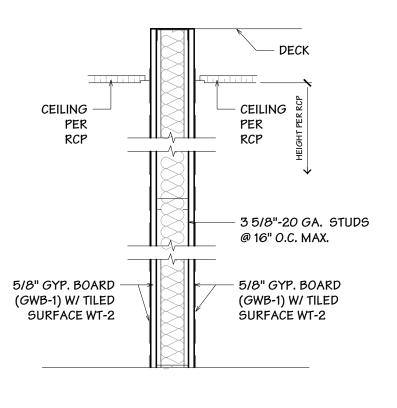
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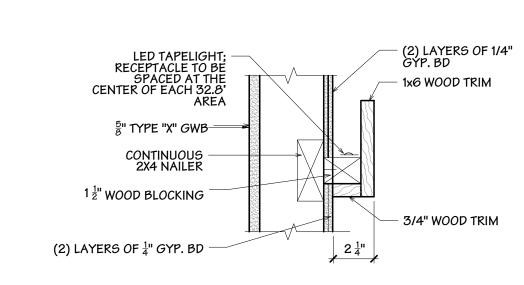
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WALL DETAIL - SAUNA

Scale: NTS







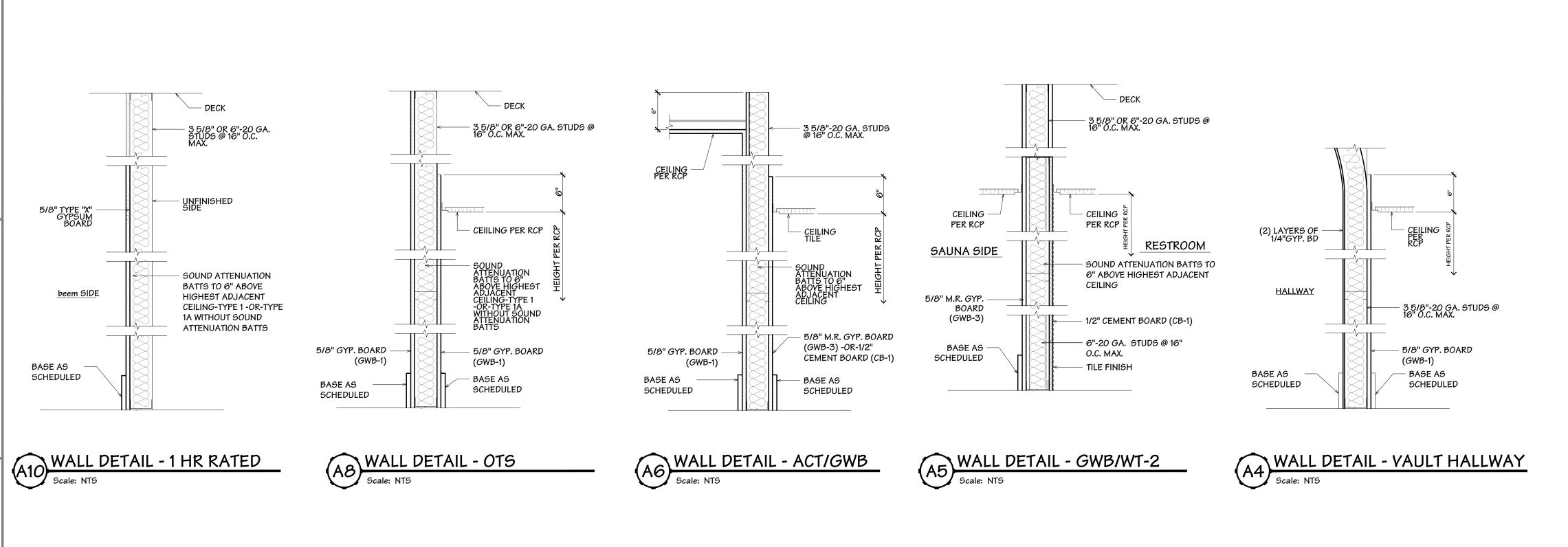
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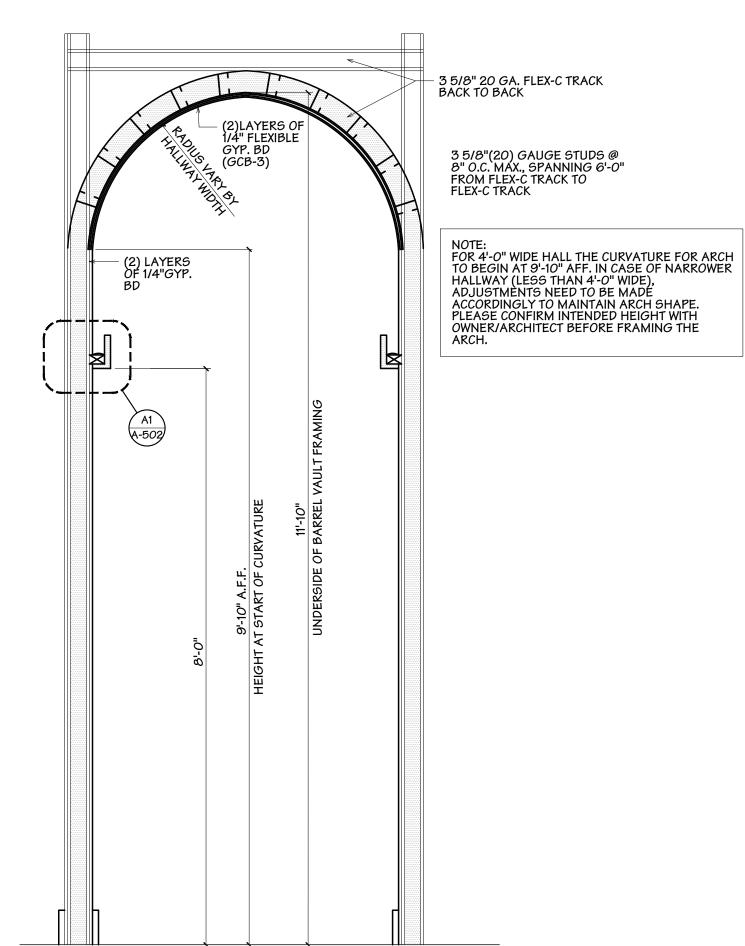
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LIGHT COVE DETAIL

Scale: NTS WALL DETAIL - RESTROOM PARTITON WALL

Scale: NTS





REVISIONS No. DATE NOTE

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

Master Details

A-502

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

- 6" LIGHT GAUGE METAL FRAMING

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

CONTRACTOR IS TO CONFIRM INTENDED SHAPE OF THE ARCH BEFORE FRAMING

HALLWAY SECTION

Scale: NTS

BLUESTONE

4708 N. FM. 1417 Sherman, Texas 75092 903.813.1415

May 30, 2024

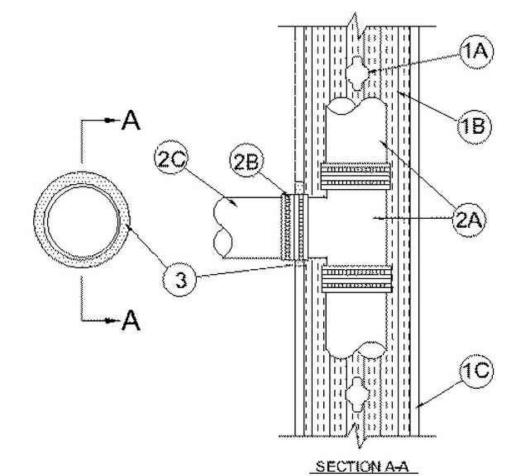
UL 1479 Standard System No. W-L-1330 September 25, 2003

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.



WALL ASSEMBLY -- THE FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION

CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE AND SPACED MAX 24 IN. OC. B. INSULATION* -- R13 (OR HIGHER) GLASS FIBER OR MINERAL FIBER BATT INSULATION FRICTION FITTED INTO STUD CAVITY.

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 SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 4-1/2 IN.

2. PIPING SYSTEM -- TTHE PIPING SYSTEM FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS SHALL CONSIST OF THE FOLLOWING:

A. STEEL OR IRON PIPE -- NOM 3 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE OR SCHEDULE 40 (OR HEAVIER) STEEL PIPE, INSTALLED WITHIN STUD CAVITY AND CONNECTED TO TEE. THE TEE PENETRATES WALL ON ONE SIDE AND IS INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN THE TEE AND THE EDGE OF THE OPENING SHALL BE MIN 3/8 IN. TO MAX 5/8 IN.

B. SHIELDED SLIP ON COUPLING -- NOM 3 IN. DIAM (OR SMALLER) 32 GAUGE (OR HEAVIER) CORRUGATED STAINLESS STEEL SHIELDED RUBBER COUPLING. COUPLING TO BE SECURED TO TEE WITH STAINLESS STEEL HOSE CLAMP AT ANY POINT BEYOND THE SURFACE OF WALL, OR MAY EXTEND A MAX OF 1 IN. INTO OPENING. WHEN COUPLING EXTENDS INTO OPENING, THE ANNULAR SPACE BETWEEN THE COUPLING AND THE EDGE OF THE OPENING SHALL BE MIN 1/4 IN. TO MAX 1/2 IN. C. BRANCH PIPING -- BRANCH PIPE IS SECURED TO SHIELDED SLIP ON COUPLING WITH STAINLESS STEEL HOSE CLAMP AND MAY CONSIST OF THE FOLLOWING:

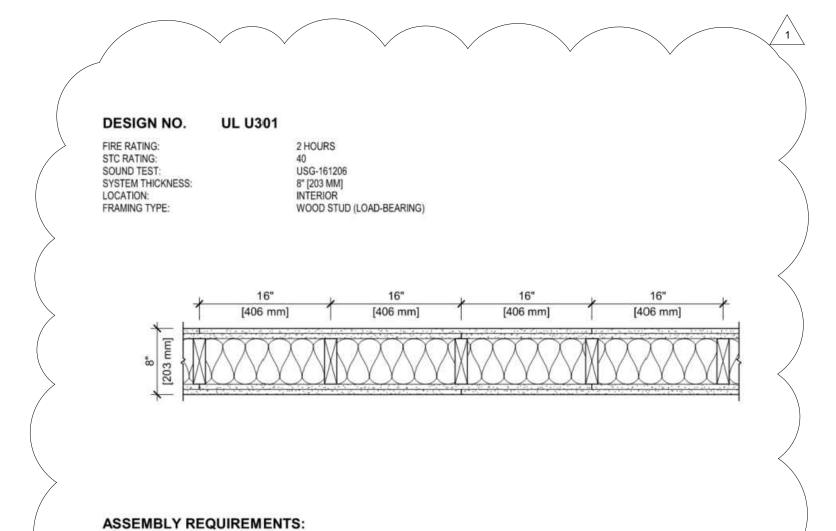
1. POLYVINYL CHLORIDE (PVC) PIPE -- NOM 3 IN. DIAM (OR SMALLER) SCHEDULE 40 SOLID CORE PVC PIPE. 2. STEEL OR IRON PIPE -- NOM 3 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON

PIPE OR SCHEDULE 40 (OR HEAVIER) STEEL PIPE. 3. FILL, YOID OR CAVITY MATERIAL* -- SEALANT -- MIN 5/8 IN. THICKNESS OF FILL

MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH SURFACE OF WALL.

PETAILS - 1 HR, WALL PENETRATION

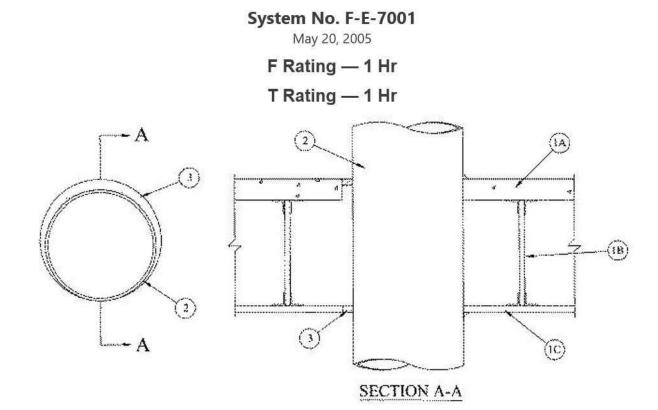
Scale: NTS



REVISIONS No. DATE NOTE 05.22.2024 CITY COMM.

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

UL Details



1. FLOOR-CEILING ASSEMBLY -- THE 1 HR FIRE RATED CONCRETE AND STEEL JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL G500 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY, AS SUMMARIZED BELOW:

A. FLOORING -- LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3/) CONCRETE AS SPECIFIED IN THE INDIVIDUAL G500 SERIES DESIGN. MAX DIAM OF OPENING IS 11 IN. (279 MM).

A. JOISTS -- STEEL JOISTS OR STRUCTURAL STEEL MEMBERS* AS SPECIFIED IN THE INDIVIDUAL G500 SERIES DESIGN. C. GYPSUM BOARD* -- MIN 5/8 IN. (16 MM) THICK, SCREW-ATTACHED TO FURRING CHANNELS AS SPECIFIED IN THE INDIVIDUAL G500 SERIES DESIGN. MAX DIAM OF

OPENING IS 11 IN. (279 MM).

2. STEEL VENT DUCT -- NOM 4 IN. (102 MM) DIAM (OR SMALLER) NO. 30 GAUGE (OR HEAVIER) GALY STEEL VENT DUCT OR NOM 10 IN. (254 MM) DIAM (OR SMALLER) NO. 28 GAUGE (OR HEAVIER) GALY 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

WOOD STUDS:

GYPSUM PANELS:

INSULATION:

TWO LAYERS 5/8" [15.9 MM] SHEETROCK® ECOSMART GYPSUM PANEL (UL TYPE ULIX™)

TWO LAYERS 5/8" [15.9 MM] SHEETROCK® ECOSMART GYPSUM PANEL (UL TYPE ULIX™)

2" X 6" [38 X 140 MM] WOOD STUDS, 16" [406 MM] O.C.

5-1/2" [140 MM] FIBERGLASS INSULATION

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

SYMBOL DESCRIPTION

MOTOR RATED SWITCH

DIMMER SWITCH (NOTE L-1)

OTHER RECEPTACLE, AS NOTED.

①/J JUNCTION BOX, CEILING / FLOOR MOUNTED

riangle Data outlet, wall mounted/floor mounted

TELEVISION OUTLET WALL MOUNTED

CURRENT TRANSFORMER

POWER METER AND SOCKET

DUCT SMOKE DETECTOR

THERMOSTAT, WALL MOUNTED

CONNECT NEW TO EXISTING

UNLESS NOTED OTHERWISE (U.N.O.).

N.I.C. | NOT IN CONTRACT

 Φ/Φ | DUPLEX / QUAD RECEPTACLE OUTLET (NOTE L-1)

▼/▼ | TELEPHONE OUTLET, WALL MOUNTED / FLOOR MOUNTED

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- 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.

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.

DISCONNECT SHALL BE RATED

FOR VOLTAGE OF ORIGINATING

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.

IECC 2018

HEIGHT

(U.N.O.)

44"

44"

44"

15" (BOTTOM)

SEE PLAN

SEE PLAN

SEE PLAN

SEE PLAN

SEE PLAN

IECC 2018 APPLIANCE NOTES: THE REFRIGERATION EQUIPMENT SHALL MEET THE STANDARDS FOR EFFICIENCY, PER IECC 2018 C403.10. NOTE THAT THE ENERGY STAR REFRIGERATORS AND FREEZERS ARE 10% MORE EFFICIENT THAN MINIMUM FEDERAL EFFICIENCY STANDARDS FOR SUCH PRODUCTS. THEREBY THEY SHOULD MEET THIS REQUIREMENT.

- ECC 2018 ELECTRICAL NOTES: DAYLIGHT-RESPONSIVE CONTROLS SHALL BE COMPLIANT WITH IECC 2018 C405.2.4. DAYLIGHT RESPONSIVE CONTROLS ARE REQUIRED FOR ROOMS WITH EXTERNAL WINDOWS AND 150 WATTS OR MORE OF GENERAL LIGHTING WITHIN PRIMARY 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.

IECC 2018 ELECTRICAL COMMISSIONING

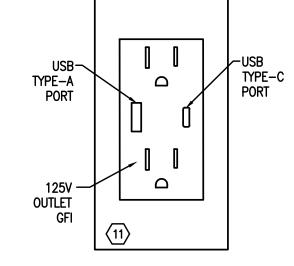
ELECTRICAL COMMISSIONING IS REQUIRED. COMMISSIONING SHALL BE PER IECC 2018 C408.3 (LIGHTING SYSTEMS).

KEY NOTES BY SYMBOL '(#)

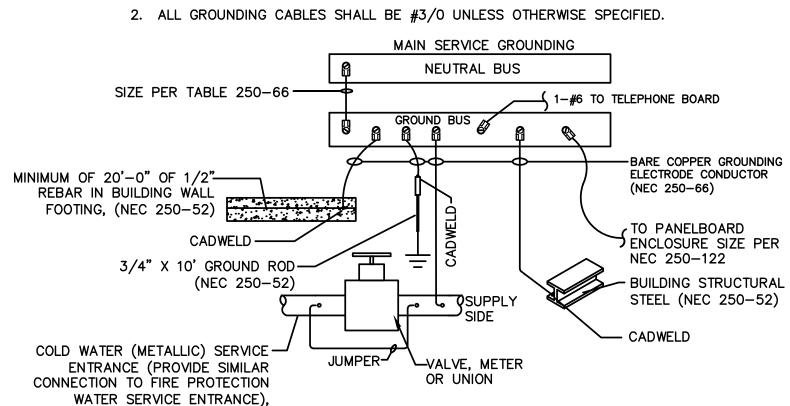
- (1) EX. 400A MLO, 120/208V, 3PH PANEL 'P2' SECTION 1. PANEL IS SURFACE MOUNTED IN TENANT SPACE AND FACES OPEN INTO ROOM.
- $\langle 2 \rangle$ EX. PANEL 'P2' SECTION 2. PANEL IS SURFACE MOUNTED IN TENANT SPACE AND FACES OPEN INTO ROOM.
- $\langle \mathfrak{z}
 angle$ FURROUT WALLS AS NECESSARY FOR POWER AND PLUMBING.
- $\overline{\langle 4 \rangle}$ WATER HEATER ON PLATFORM ABOVE UTILITY SINK. STRUCTURAL ENGINEERING IS BY OTHERS. MAINTAIN REQUIRED CLEARANCES. PROVIDE NEC COMPLIANT MEANS OF DISCONNECT.
- $\langle 5 \rangle$ 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.
- $\langle 16 \rangle$ 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.
- \langle 18angle 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 (14) A.H.J. SHALL NOT RELIEVE THE RESPONSIBILITY OF COMPLIANCE WITH ALL APPLICABLE CODES.





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



SCALE: NOT TO SCALE

(NEC 250-52)

-RECESSED-TYPE OUTLET AND DATA — NEIGHBORING TENANT — -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

Drawn by: Checked by: Project No:

USB/OUTLET COMBO SCALE: NOT TO SCALE

GROUNDING ELECTRODE SYSTEM DETAIL (EXISTING)

►EX. 2" TELECOM CONDUIT TO

SERVICE POINT. EXTEND TO TELECOM BOARD AS SHOWN.

EXISTING BASE BUILDING TELECOM

ELECTRICAL SYMBOL LEGEND

THE NUMBER IN PARENTHESIS IS THE CONVIENIENT OUTLET COUNT FOR THE CIRCUIT.

SINGLE POLE SINGLE THROW TOGGLE SWITCH (NOTE L-1)

\$3/\$4 | THREE-WAY TOGGLE SWITCH/FOUR-WAY TOGGLE SWITCH (NOTE L-1)

DUPLEX RECEPTACLE OUTLET, CEILING MOUNTED/FLOOR MOUNTED

RACEWAY/CABLE CONCEALED IN WALL AND/OR ABOVE CEILING

X-1.3.5 ARROWHEAD INDICATES HOMERUN. X-1,3,5 INDICATES HOMERUN TO

| PANELBOARD - WALL MOUNTED (RECESSED/SURFACE MOUNTED)

FUSIBLE DISCONNECT SWITCH, RATING/FUSE RATING/POLES/NEMA ENCLOSURE

NONFUSIBLE DISCONNECT SWITCH, RATING/POLES/NEMA ENCLOSURE

L-1 MOUNTING HEIGHTS NOTED ARE TO THE CENTER OF DEVICE ABOVE FINISHED FLOOR,

-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

* NOT ALL SYMBOLS USED ON ALL JOBS *

GROUNDING CONNECTION (SYSTEM AND/OR EQUIPMENT)

PANEL X CIRCUIT NUMBERS 1,3, AND 5.

THERMAL DETECTOR, WALL MOUNTED

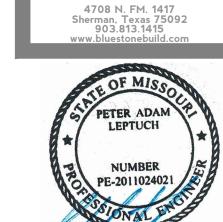
THAN 90" AFF AND NOT LESS THAN 6" BELOW CEILING.

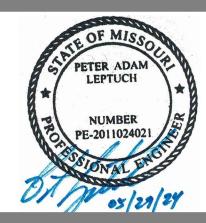


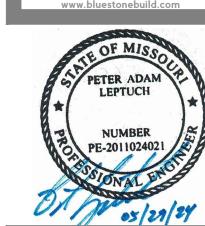














REVISIONS No. DATE NOTE

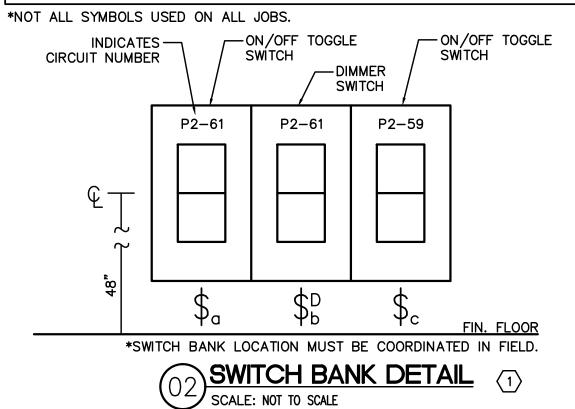
Date: May 29, 2024

SENSOR AND DEVICE SCHEDULE							
DESCRIPTION	SYMBOL	MODEL NUMBER	MOUNTING	TIME DELAY	NOTES		
DECORA SWITCH	\$	LUTRON CLARO CA-1PS-WH	WALL	N/A	2		
DIMMER SWITCH	\$ ⁰	LUTRON DIVA DVCL-153PR-WH	WALL	N/A	1		
DUAL TECHNOLOGY OCCUPANCY/VACANCY SENSOR SWITCH	\$ _{os}	WATTSTOPPER DW-100 (OR EQUAL)	WALL	5, 15, OR 30 MINUTES	2		
DAYLIGHT/OCCUPANCY SENSOR	- CS	LEVITON O6CO4—IDW (OR EQUAL)	CEILING	N/A			

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.

ELECTRICAL SYMBOL LEGEND					
SYMBOL	OL 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}	\$0S OCCUPANCY/VACANCY SWITCH 44"				
\$S FAN SPEED CONTROL SWITCH 31"/38"					
L-1 MOU	L-1 MOUNTING HEIGHTS NOTED ARE TO THE CENTER OF DEVICE ABOVE				

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



LIGHTING LEGEND

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

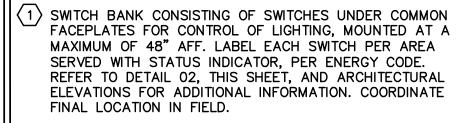
GENERAL NOTES

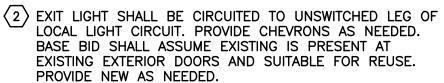
A. LIGHTING SHALL BE CIRCUITED EXACTLY AS SHOWN ON PLANS.

*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.
- F. EXTERIOR LIGHTS ARE ASSUMED TO BE EXISTING BY LANDLORD, TO REMAIN.
- G. "NL" DESIGNATES NIGHT LIGHT- 24/7 OPERATION ON SWITCH-RATED BREAKER. (NOT USED ON ALL JOBS.)
- H. THE DIRECTION OF THE BUILDING OFFICIAL REGARDING QUANTITY, LOCATION AND TYPE OF EXIT/EGRESS LIGHTS REQUIRED SHALL TAKE PRECEDENCE OVER WHAT IS SHOWN IN THIS DOCUMENT SET.

KEY NOTES BY SYMBOL '(#)'



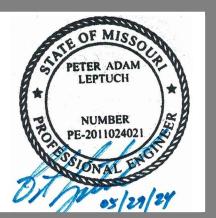


- 3 EMERGENCY EGRESS LIGHT SHALL BE CIRCUITED TO UNSWITCHED LEG OF LOCAL LIGHT CIRCUIT.
- $\langle 4 \rangle$ INTERLOCK EXHAUST FAN WITH LIGHT SWITCH.
- 5 J-BOXES ABOVE THE DROP CEILINGS OF THE HALLWAY-ADJACENT ROOMS FOR THE LED LIGHT STRIPS ON BOTH SIDES OF THE HALLWAY. LOCATION SHOWN IS DIAGRAMMATIC 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.









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REVISIONS No. DATE NOTE 1 05/13/24 CITY COMMENTS 05/29/24 FIRE COMMENTS

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

LIGHTING

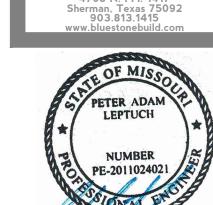
PLAN

E2.0

— NEIGHBORING TENANT ——— P2-61 VIA SW "a" P2-61 P2-60 _VIA_SW_"c" — NEIGHBORING TENANT ——

**NOT ALL FIXTURES USED ON ALL JOBS.





Sherman, Texas 75092 903.813.1415

PETER ADAM

PE-2011024021

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REVISIONS

No. DATE NOTE

Peter A. Leptuch, P.E. 300 N. Carroll Blvd. #200

Denton, TX 76201 (940) 808-0615

RELEASED FOR

06/10/2024

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) 9 15/2 SAUNA (1) (ADA-SOCIAL) 3.1 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 - 28 29 20/1 RED LIGHT THERAPY 1.8 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) 2.5 CLOTHES DRYER (ELEC) 30/2 36 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) 20/1 42 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 SPACE SPACE 76 **SPACE** 78 SPACE SPACE SPACE 84 83 LIGHTING (KVA): 1.2 | 2.7 | 0.0 | 19.8 | 0.0 | 0.0 | 30.7 | CONNECTED LOAD (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): PHASE C 33 278.0 HEATING (KVA): 0.0 DEMAND LOAD (AMPS): 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

Drawn by:
Checked by:
Project No:
Date:

ate: May 29, 2024

ELECTRICAL PANELS & RISER

Sheet: E3.0

VERIFY SIGN LOCATION AND QUANTITY WITH SEPARATELY PERMITTED SIGN PACKAGE.

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

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

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

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

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

- 1. INSPECT AND REUSE DISCONNECT AND OVERCURRENT PROTECTION MEANS, FEEDERS AND WHERE POSSIBLE ELECTRICAL PANELS. BRANCH CIRCUIT WIRING SHALL BE ALL COPPER CONDUCTORS.
- 2. PROVIDE FEEDER FOR TENANT SERVICE. VERIFY LOCATION OF BUILDING ELECTRICAL SERVICE GEAR IN FIELD.
 - 6. E.C. SHALL VERIFY LENGTH OF FEEDERS PRIOR TO (AND INCLUDE PRICING IN) BID.
- 4. 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.
- 6. 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.

 8. 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.

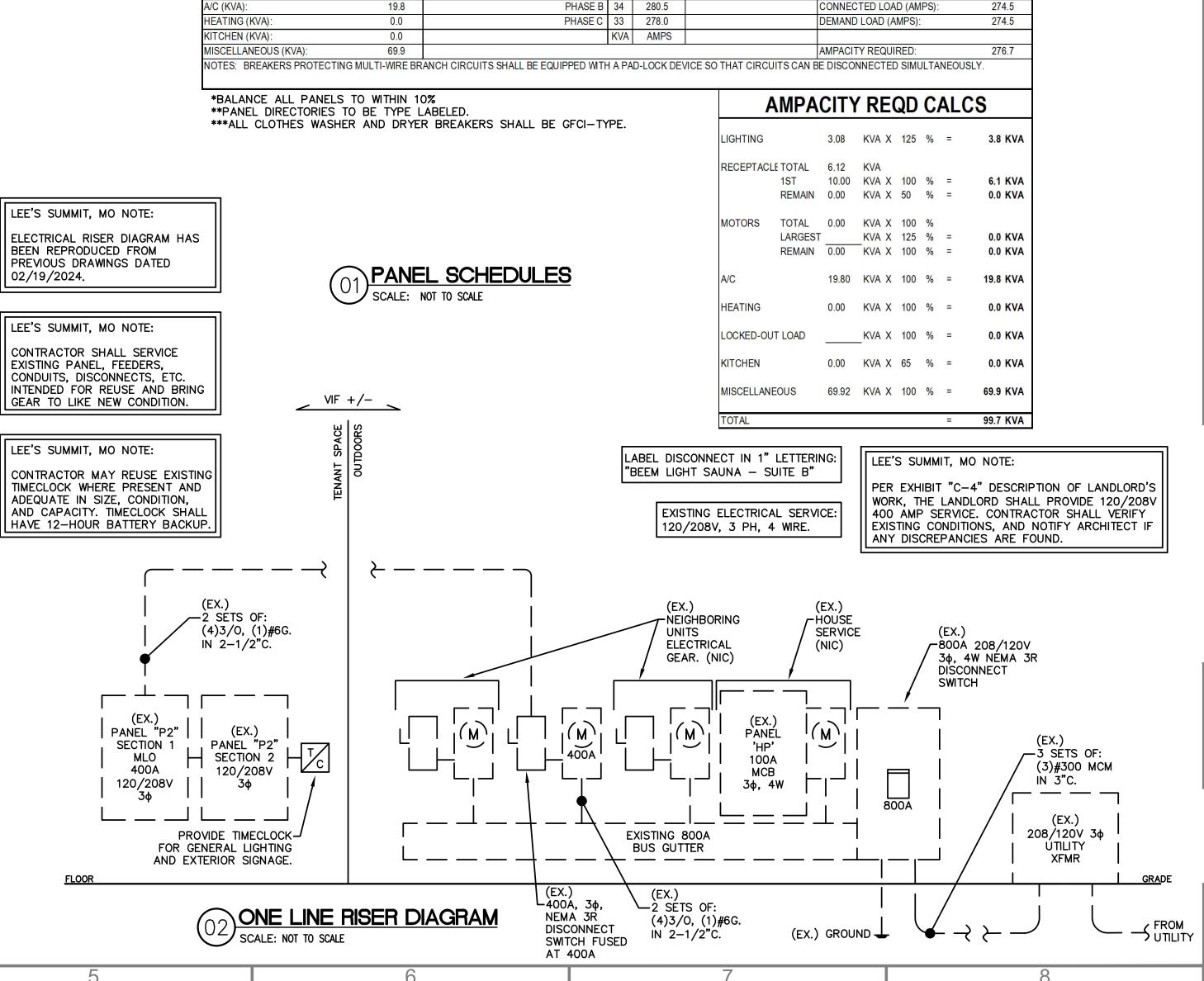
 10. PROVIDE ANCILLARY POWER AS NEEDED FOR ITEMS SUCH AS FLUSH SENSORS, DUCT DETECTORS,
- CAMERA/MUSIC SYSTEMS, ETC. COORDINATE REQUIREMENTS WITH OWNER'S REP.

 11. ALL ELECTRICAL CIRCUITS UNDER TYPE 1 HOODS SHALL BE EQUIPPED WITH SHUNT TRIP BREAKERS
- HOOD CONTROLLER, OR EQUAL.

 12. AREA SMOKE DETECTORS AND DUCT SMOKE DETECTORS SHALL BE INSTALLED AND CIRCUITED TO AN OPEN 20A/1P CIRCUIT.

FOR AUTOMATIC SHUTDOWN OF COOKING ENERGY SOURCE UPON RECEIPT OF A SIGNAL FROM THE

- 13. 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 SERVICE.
- 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 USE.
- 18. DISCONNECTS SHALL BE PROVIDED WHERE REQUIRED BY CODE AND ORDERED AT THE VOLTAGE OF THE EQUIPMENT SERVED.



(IN. W.C.

0/A | E.S.P.

COOLING CAP. (MBH) GAS HEAT UNIT MOCP UNIT DATE NOTES WEIGHT (EX. TOTAL SENSIBLE DRY BULB/ INPUT (MBH) (VOLTS/PH/HZ (LBS) 45.0 80/67 208/3/60 40.0 ~800 2024 29.0

208/3/60

35.0

26.0

~800

NOTES: LABEL EACH RTU AND EXHAUST FAN WITH "beem LIGHT SAUNA" AND SUITE NUMBER.

125

CFM

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

BOARD CEILING.

THROW AWAY FILTER.

SEER2

UNIT PROVIDED WITH DUAL COMPRESSORS/2-STAGE COOLING.

2,000

1,600

NOMINAL CFM

TONS

MANUFACTURER/

RTU-4 | TRANE/

RTU-6 | TRANE/

YSC060

YSC048

(EX.)

(EX.)

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

12x12 SUPPLY GRILLE

24x12 RETURN GRILLE

24x24 RETURN GRILLE

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

12x12 SUPPLY GRILLE SEE PLAN

15x15 SUPPLY GRILLE | SEE PLAN

24x24 RETURN GRILLE | 22X22

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

80/67

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

AIR DEVICE SCHEDULE

TDC-AA

TDC-AA

TDC-AA

350FL

350FL

PAR

PROVIDE RECTANGULAR TO ROUND ADAPTERS WHEREVER NECESSARY.

TITUS

TITUS

TITUS

TITUS

TITUS

TITUS

3. NOT ALL DEVICES USED ON ALL JOBS.

FOR UNIFORM APPEARANCE.

AIR

RTU-4

RTU-6

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 PERFORMANCE CONDITIONS. COMB OUT FINS, CHANGE BELTS, BRING TO FACTORY SPEC REFRIGERANT LEVELS, ETC.

CONTRACTOR NOTES:

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

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.

11 WATTS RESTROOM

EX	EXHAUST FAN SCHEDULE - NEW										
	MANUFACTURER			AIRFLOW	EXT. SP (IN W.C.)	V. PH. H7	MOTOR SIZE (HP)	SERVICE	APPROX. WEIGHT	INSTALL LOCATION	NOTES
<u>EF-1</u>	GREENHECK	SP-A90	DIRECT	70	0.20"	115/1/60	11 WATTS	RESTROOM	13 LBS	CEILING	1,2
FF-2	GREENHECK	SP_ 490	DIRECT	70	0.20"	115/1/60	11 WATTS	RESTROOM	13 LBS	CEILING	1 2

115/1/60

-<u>EF-1</u> -70 CFM

16/16

NOTES:

CONTROL TO BE INTERLOCKED WITH OCCUPANCY SENSOR. PROVIDE WITH 15-MINUTE TIME OUT AFTER LAST OCCUPANT IS SENSED. 2. PROVIDE WITH BACKDRAFT DAMPER.

0.20"

70

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.

GREENHECK SP-A90 DIRECT

2024 1,2,3,13

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.

C 350

	MECHANICAL STMBOL LEGEND					
SYMBOL	DESCRIPTION					
T	THERMOSTAT @ 48" AFF					
D DUCT MOUNTED SMOKE DETECTOR						
<u></u>	REMOTE ROOM TEMPERATURE SENSOR AT 96" AFF					
→ VOLUME DAMPER						
MOTORIZED DAMPER WITH ACTUA						
₿——	BAROMETRIC FLAP DAMPER					
RTU	ROOF TOP UNIT					
HP	HEAT PUMP UNIT					
EF EXHAUST FAN						

RTU-6 4.0 TONS 1,600 CFM 7

CFM

MECHANICAL SYMBOL LECEND

13 LBS CEILING 1,2

<u>EF−3</u> −70 CFM

16/18

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.
- (4) 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.
- 7 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).
- (10) PROVIDE A REMOTE ANNUNCIATOR FOR DUCT SMOKE DETECTORS IN UTILITY AREA. REMOTE ANNUNCIATOR SHALL BE EQUAL TO SYSTEM SENSOR RA100Z/RA100ZA WITH AUDIBLE AND VISUAL ANNUNCIATOR LABEL EACH ANNUNCIATOR ACCORDING TO UNIT BEING MONITORED. PROVIDE SECONDARY ANNUNCIATOR IN DINING AREA WHERE REQUIRED BY LOCAL JURISDICTION. VERIFY REQUIREMENTS WITH LOCAL INSPECTOR.
- PROVIDE REMOTE DUCT DETECTOR RESET IN UTILITY AREA. LABEL EACH RESET ACCORDING TO UNIT BEING MONITORED.

A 150

A 150

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.

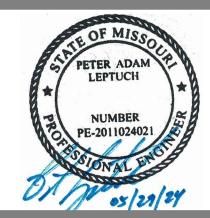
A 150

150

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DEV								
KEV	ISIONS							
No.	DATE	NOTE						
1	05/13/24	CITY COMMENTS						

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

MECHANICAL

PLAN

1) EX. RTU-4 5.0 TONS

2,000 CFM-

AIR BALANCE SCHEDULE AIR DEVICE **NECK CHART** SUPPLY | RETURN | OUTSIDE EXHAUST PRESSURE AIR AIR SERVED 8"ø - 0 TO 180 CFM 1,825 LEASE SPACE 2,000 175 +175 10"ø - 185 TO 350 CFM 1,475 LEASE SPACE 1,600 125 +125 12"ø - 355 TO 550 CFM -70 RESTROOM 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.

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

	Er-I				70	-70	RESTROOM
	EF-2	-	-		70	-70	RESTROOM
	EF-3	1	-		70	-70	SHOWER
	DRYERS	1			880	-880	DRYER
	DRYER MAKE UP	1		880		+880	DRYER MAKE-UP AIR
	TOTAL	3,600	3,300	1,180	1,090	+90	
_							

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

0 0	45 DEGREE ELBOWS (2.5') 90 DEGREE ELBOWS (5')
20'-0"	TOTAL DEVELOPED DUCT LENGTH
SAMPLE DRY	YER PLACARD
	WARNING
FOR ANY DOMESTIC DR LOCATION. THE INSTALL	JRER'S INSTALLATION INSTRUCTIONS YER THAT WILL BE INSTALLED AT THIS ATION INSTRUCTION MUST ALLOW THE IED TO AN EXHAUST DUCT (VENT)
	E INSULATED. DO NOT INSTALL PSTREAM OF DRYER EXHAUST DUCT HERE APPLICABLE).
DISCHARGE POINT (ORY	/TUERMLUND/BZ./THERE/SHALL/BE// FEN POWER YENTLATOR AND
150% –/ PÓWER XENTILA 36° – DRYER XAPACT	XOR CAPACITY
ログラフ・ノーン・アーフ・プープ	-/-/-/-/

(11) (10) (DROB(A)(A)

A 150

——NEIGHBORING TENANT ————

— NEIGHBORING TENANT ———

(8)

OUTLINE OF GRAVITY AIR INTAKE HOOD ON

A 275

ROOF.

10/18

 $\left(\right) \overline{400}$

400

12"ø

12"ø

12"ø

M1.0

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 Area = 143 0.75 (0 = none, 1.0 = fully shaded) Shading Factor = R-value Walls = (R_net) = 21 EX.Wall 0.047619048 Average Wall U-value Walls = R-floor = (R_net) = U-floor

Window height =

R-roof = (R_net) =

HVAC Load Calculation - Office Space

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

|H_sensible, lighting = watts * 3.413

H_sensible, people = 250 * # people

H_sensible, walls = A*u*dT

H_sensible, floor = A*u*dT

H_sensible, roof = A*u*dT

Lighting Load (watts)

Occupant Load

Grains O.A. =

Grains I.A. =

Wall Area =

|Window Length =

Window Height =

Window Area =

Shading Factor =

U-value Walls =

U-floor

U-roof

U-glass

R-floor = (R_net) =

R-roof = (R_net) =

Total Cooling Load:

Safety Factor (10%)

Tonnage Provided

R-value Walls = (R_net) =

Et = incident solar radiation

Space Load - Tonnage Required

Space Load - Recommended Tonnage

|Equipment Load (btu/hr)

Outside Air, Ventilation =

Perimeter (unconditioned)

|Roof / Floor Area = | Wall Height - Average

H sensible, equipment = watts * 3.413

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

|H_latent, people = 250 * # people

H_sensible, window conductance = A_glass*U*dT

H_sensible, window transmittance = A_glass*SHGC*Et

Cooling Load Analysis:

Sensible Heat:

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:

11 <---- update per site

Safety Factor (25%) -36030.9 MBH Space Load - Tonnage Required 10.55695 KW

4/3/2024

1435 (from Comcheck/ T-24 / FlaCom)

72.2 (72.2 is for saturated air at 58F)

98 <---- update per site

19 <---- update per site 42 <---- update per site

13 <---- update per site 11 <---- update per site

0.5 (0 = none, 1.0 = fully shaded)

21 Taken from shell drawings

38 Taken from shell drawings

0.047619 Average Wall

0.026316 Average Roof

0.45 Assumed

0.45 Assumed

15 (Auto Populate - from ASHRAE calculation)

300 (Auto Populate - from ASHRAE calculation)

1435 (Auto Populate - from ASHRAE calculation)

ASHRAE DESIGN:

Design Indoor Temp

H_sensible_OA =

H_sens_ltg=

H_sens_ppl =

H_sens_epmt =

H_sens_wall =

H_sens_floor =

H_sens_roof =

H_sens_glass =

H latent OA =

H_latent_ppl=

40300 (Regular Sauna - 6,000 btu/hr each, Large Sauna - 10,000 btu/hr each)

225 (assume peak daily, btu/hr p.s.f. Solar constant is 442 BTUH/hr at top of atmos, 317 at sfc.))

H_sens_solar gain =

Basis of Design: Kansas City, MO

Lee's Summit, MO

72 F

DB =

7776 dT =

3770

40300

1930.5

5263.2

3770

6.6491573 tons

7.3140731 tons

9.0 tons (Existing)

87768.877

7239.375

1520.0 (dT = 40F)

1435 (dT = 1F)

1888.1579 (dT=50F)

4897.655

24.128

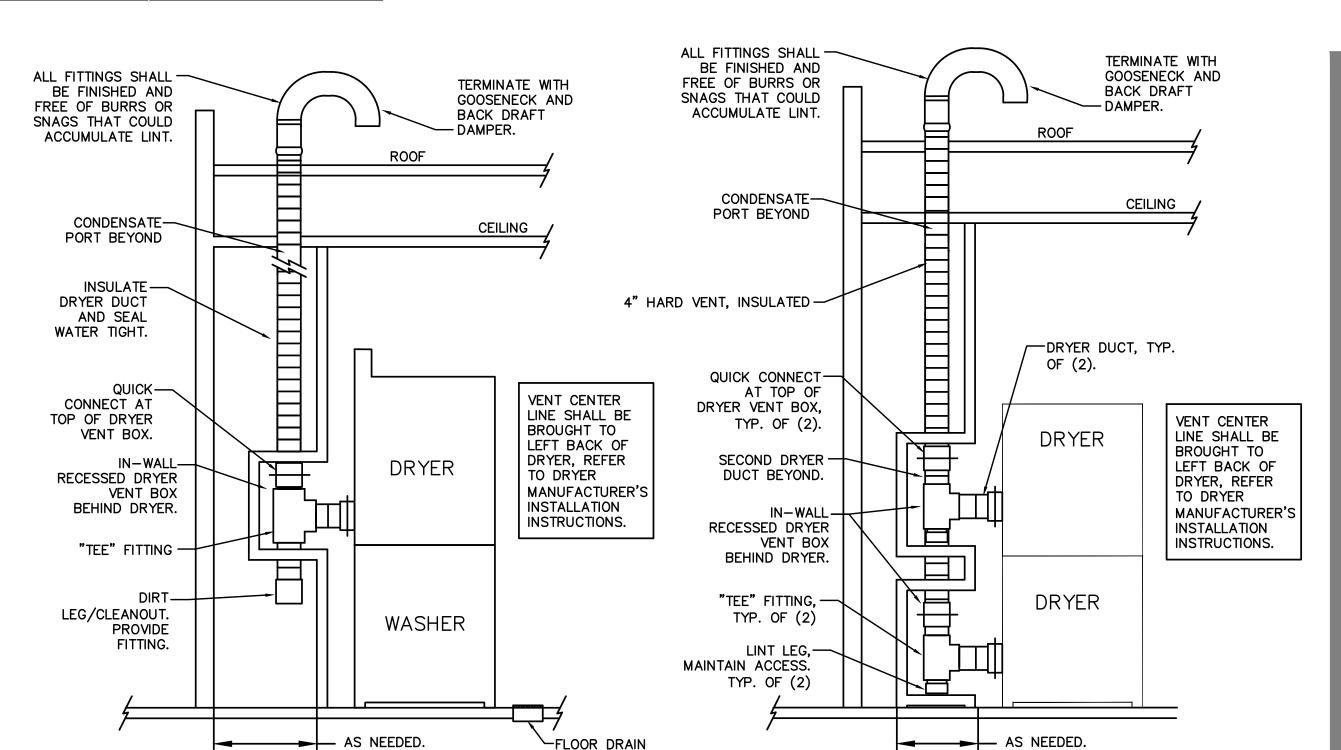
38 EX. Roof

beem								4/3/2024							Lee's	Summit, MO
Zone	Zone Identification Standard Case: IMC - 2018 - Table 403.3 Verification Rate Procedure]	Design Case	5		
Zone	Occupancy Area Table Table Expected Zone Breathing From Table Zone Zone Factor: From Table Outc								Outdoor	Total	Total	Design % by				
	Category	(sf)	403.3.1.1	403.3.1.1	Occupant	Population	Zone	403.3.1.1.1.2	Outdoor	Primary	Zp=	403.3.1.1.2.3.2	Air	Outdoor	Airflow	which
		(A_Z)	People	Area	Density	(# persons)	Outdoor	Zone Air	Air Flow	Air Flow	V_{oz}/V_{pz}	System	Intake	Airflow	provided	Outside Air
			Outdoor Air	outdoor	(#/1000 sf)	(P_z)	Air Flow	Distribution	(CFM)	Fraction	•-	Ventilation	Flow	provided by	by HVAC	Design Flow
			Rate	Air Rate			(CFM)	Effectiveness	(V_{oz})	(CFM)		Efficiency	(CFM)	HVAC equip.	equip.	Exceeds
			(cfm/person)	(cfm/sf)			(V_{bz})	(E_z)		(V_{pz})		(E _v)	(V_{ot})	(CFM)	(CFM)	Standard
	Office	632	5	0.06	10	6	69.5	0.8	86.9	1	86.9	1	86.9	100	1200	15.1%
	Reception	278	5	0.06	20	6	44.5	0.8	55.6	1	55.6	1	55.6	100	1000	79.9%
	Restroom	133	0	0	0	0	0.0	0.8	0.0	1	0.0	1	0.0	0	100	
	Breakroom	160	5	0.06	20	3	25.6	0.8	32.0	1	32.0	1	32.0	50	600	56.3%
	Corridor	232	0	0.06	0	0	13.9	0.8	17.4	1	17.4	1	17.4	50	100	187.4%
	Total	1435	5	0.06		15	161.5					Total (CFM):	191.9	300	3000	
$V_{bz} = R_p * P_z + R_a$ $V_{pz} = Total \ airf$ $V_{oz} = V_{bz} / E_z$ $Z_p = V_{oz} / V_{pz}$	*Az Tow provided b	oy the H	VAC equipme	nt (Outdoc	or + Recircul	ated).										
Z _p -V _{oz} /V _{pz}							000	0514								
			Clothes Dryer					CFM								
			Restroom Red	•				CFM	as require	d by Table	403.3.1.1	minimum exhai	ust rates.			
			Total Exhaust	-			1090									
	Terminology	has be	en adopted fro	m IMC 201	.8, refer to C	Chapter 4 of t	hat code fo	r additional teri	minology, e	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.-

O1 HVAC DUCTWORK DETAIL
SCALE: NOT TO SCALE



CONDENSATE LINE SIZES:

UP TO 20 TONS CONNECTED. UP TO 21-40 TONS CONNECTED. UP TO 41-90 TONS CONNECTED. UP TO 91-125 TONS CONNECTED.

UP TO 126-250 TONS CONNECTED. *ROUTE TO APPROVED RECEPTOR VIA AIR GAP.

- 1. SET ROOF CURB ON STRUCTURAL STEEL -SHIM DEAD LEVEL. SECURE ROOF CURB TO METAL DECK AND A/C UNIT TO ROOF
- 2. TRANSITION TO CONNECTION SIZES IN DUCT RISE, REFER TO PLANS FOR SIZES.
- 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.
- 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.

04) ROOF-TOP UNIT DETAIL (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.

DRYER VENT BOX DETAIL

IMC 2018 HVAC NOTES:

DRYER VENT BOX DETAIL

- 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.
- 6. A MINIMUM OF 25% OF DUCTWORK SHALL BE TESTED FOR MAXIMUM DUCT LEAKAGE COMPLIANCE

Q

Sherman, Texas 75092 903.813.1415

PETER ADAM

PE-2011024021

No.	DATE	NOTE

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

MECHANICAL LOADS & **DETAILS**

Sheet: M2.0

1.2 MATCH VOLTAGE OF FIXTURE TO CIRCUIT TO CIRCUIT TO WHICH FIXTURE IS SHOWN CONNECTED

1.3 PROVIDE LOW TEMPERATURE HIGH EFFICIENCY ELECTRONIC BALLASTS IN FLUORESCENT FIXTURES

1.4 PROVIDE THERMAL OVERLOAD PROTECTION IN BOTH FLUORESCENT AND INCANDESCENT FIXTURES

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

WITH ENERGY CODE.

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

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

LANDLORD, OR SIMILAR IS ACTUALLY THERE, AND IF IT IS NOT, THE CONTRACTOR SHALL PROVIDE ITEMIZED BID TO COMPLETE SUCH GAP WORK TO ENSURE ALL WORK THAT WILL BE REQUIRED BY CONTRACTOR IS INCLUDED IN THE INCLUDING ANY WORK "BY OTHERS" THAT IS NOT PRESENT. 1.3 PROVIDE COPPER WIRING UNLESS ALUMINUM IS SPECIFICALLY SOWN ON THE DRAWINGS. WHEN ALUMINUM CONDUCTORS ARE 1.4 FIXTURE WIRE, 600 VOLTS, 200 DEGREE C. #14 AWG MINIMUM STRANDED, TINNED COPPER WITH SILICONE RUBBER INSULATION MANUFACTURER'S INSTRUCTIONS. PROVIDE SHARK-BITE TRANSITIONS, OR APPROVED EQUALS. 16200 LIGHTING FIXTURES 1.1 COORDINATE FIXTURE TRIMS WITH CEILING IN/ON WHICH IT IS BEING INSULATED.

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. PLUMBING SPECIFICATIONS SECTION 15-A - PLUMBING <u>15A-01 GENERAL:</u> 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 THERETO, INCLUDING VENTS. 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 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

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 RECOMMENDATIONS.

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 TRUEBRO MODEL 102W "HANDI LAV GUARD" INSULATION KIT.

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.

POTABLE WATER PIPING

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,

RATED FOR USE WITH SUCH MATERIALS AS ARE BEING USED.

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.

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

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, 1.6 1 1/2" LB. DENSITY LINER (C=0.28 @ 75"F.). LINER IS TO HAVE A COATED SURFACE EXPOSED TO AIRSTREAM TO PREVENT

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.)

AND 50% OUTSIDE AIR.

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

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

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

SHOWN ON THE PLANS.

ROUGH-IN.

PROVIDE ANALOG ADDRESSABLE PHOTOELECTRIC SMOKE DETECTORS WITH BASES AS SHOWN.

DUCT MOUNTED SMOKE DETECTORS

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).

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

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

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)

1.10 APPLICABLE CODES AND STANDARDS

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:

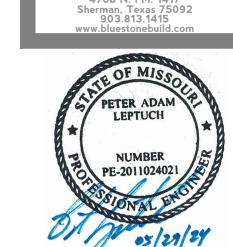
LEE'S SUMMIT, MO NOTE

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.







REVISIONS No. DATE NOTE

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Checked by: Project No: May 29, 2024

Drawn by:

MEP **SPECIFICATIONS**

Lee's Summit, Missouri 06/10/2024

ROOF AND GAS KEYED 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.
- $\langle 2 \rangle$ 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. 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.
- 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.

LEE'S SUMMIT, MO NOTE: NO GAS WORK ANTICIPATED TO BE DONE. ALL GAS TO EQUIPMENT BEING UTILIZED TO REMAIN AS-IS.

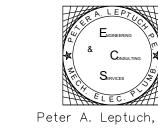
LEE'S SUMMIT, MO NOTE:

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 ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE LANDLORD.

ROOF AND GAS PLAN NOTES

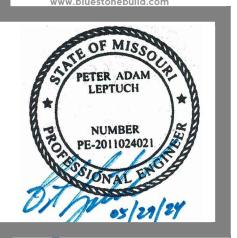
- CONTRACTORS AND SUB CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCING THE COMPLETE DOCUMENT SET.
- COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER AND CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT
- ALL ROOFING WORK (CUTS, REPAIRS, SPUD WORK, ETC.) SHALL BE PERFORMED BY THE LANDLORD'S APPROVED ROOFING CONTRACTOR.
- 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 MATERIALS NECESSARY FOR A COMPLETE SYSTEM. SUBMIT SHOP DRAWINGS PER THE SPECIFICATIONS.
- 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 FLEXIBLE DUCTWORK. FLEXIBLE DUCTWORK SHALL BE INSTALLED FREE OF ANY KINKS OR RESTRICTIONS THAT WOULD REDUCE AIRFLOW. FLEX DUCT ALLOWED ONLY ABOVE CONCEALED
- UNITS SHALL USE SAME ROOF PENETRATION IF POSSIBLE, VERIFY CURB REUSE WITH LANDLORD, ANY ROOF WORK THAT MUST BE DONE SHALL BE BY LANDLORD-APPROVED ROOFING CONTRACTOR. ANY NEW RTU LOCATIONS SHALL BE APPROVED BY STRUCTURAL ENGINEER.
- TENANT'S G.C. SHALL PROVIDE TEST AND BALANCE REPORT (BY NEBB/AABC CONTRACTOR) TO OWNER PRIOR TO COMPLETION OF WORK.
- 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 SUSPENDED FROM THE BOTTOM OF THE ROOF DECK.
- 10. CONTRACTOR MAY ADJUST VENT LINE LOCATIONS AND REUSE EXISTING VTR(S) WHERE VENT IS NOT WITHIN 10'-0" OF ANY EXISTING OR PROPOSED FRESH AIR INTAKE.
- 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 MAY IMPACT THE STRUCTURAL INTEGRITY OF THE SPACE.
- 12. MAINTAIN 3'-0" CLEAR SPACE AROUND ALL EQUIPMENT FOR MAINTENANCE AND SERVICING.



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



Sherman, Texas 75092 903.813.1415



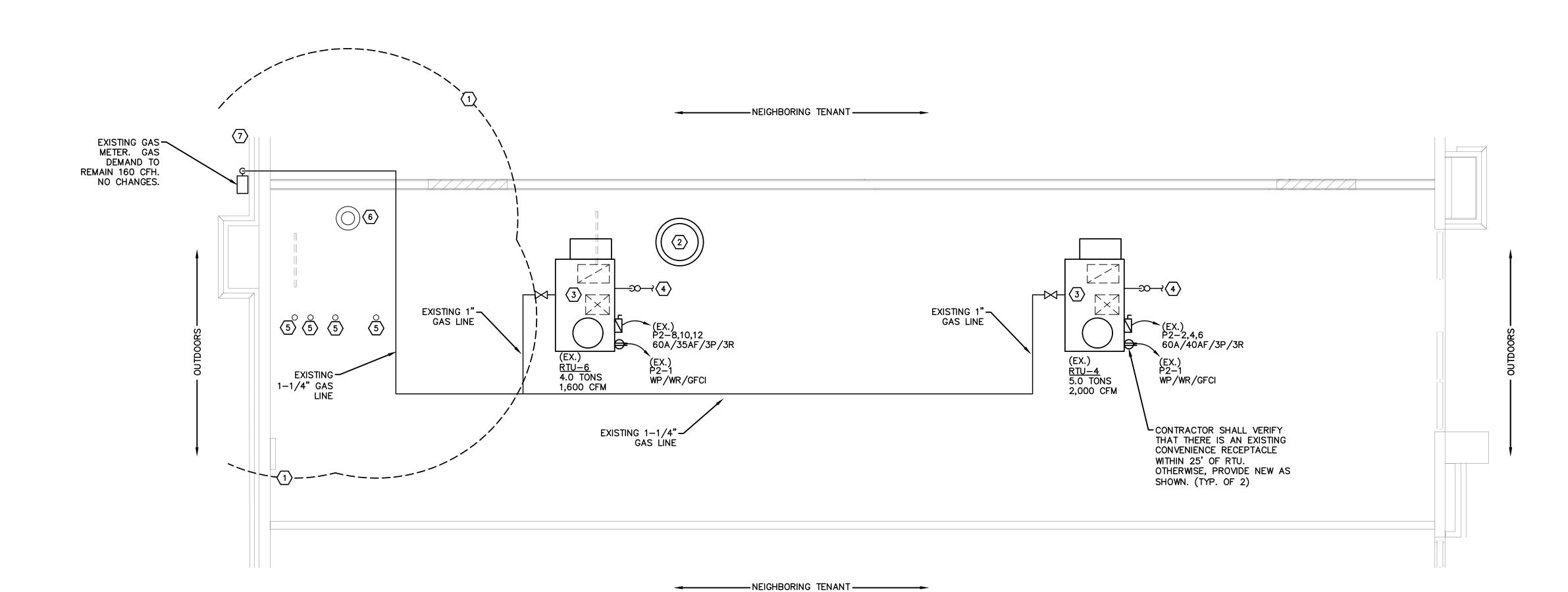
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No.	DATE	NOTE

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

> **ROOF AND GAS PLAN**

MEP2.0



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

Sherman, Texas 75092 903.813.1415

PETER ADAM

PE-2011024021

Peter A. Leptuch, P.E.

300 N. Carroll Blvd. #200

Denton, TX 76201

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RELEASED FOR

1/2" PIPE, OR 21' FOR 3/4" PIPE.

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

LEE'S SUMMIT, MO NOTE:

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

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:

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

PLUMBING LEGEND

- HW HOT WATER SUPPLY LINE ____CW___ COLD WATER SUPPLY LINE
- X" SAN SANITARY WASTE LINE
- --- RISER VENT (DASHED)
 - TRAP PRIMER
- → CONTINUATION

1ST FIXTURE.

- ——— END CAP — ISOLATION / SHUT-OFF VALVE
 - EXTENT OF SAWCUTTING/ TRENCHING WATER SUBMETER, BETWEEN VALVE AND
 - REMOTE READOUT FOR SUBMETER, +54" VERIFY LOCATION WITH OWNER'S REP.
 - CONNECTION OF NEW TO EXISTING. REDUCED PRESSURE ZONE BACK FLOW
- -N- CHECK VALVE
- -R.P. RECIRCULATION PUMP.

ASSEMBLY.

- WCO WALL CLEAN OUT
- FCO FLOOR CLEAN OUT VTR VENT THRU ROOF
- (EX.) EXISTING PIPING
- X"V VENT

TO ASSUMED EXISTING PRIVATE SUB-METER AND

SHUTOFF VALVE IN HANDBOX,

V.I.F. REFER TO SHELL CIVIL

DRAWINGS FOR MORE INFO.

NORMALLY OPEN N.C. NORMALLY CLOSED

KEY NOTES BY SYMBOL '(#)'

- 1) PROVIDE AND INSTALL TANK TYPE WATER HEATER, PER SCHEDULE, THIS SHEET, AND DETAIL 01, SHEET P3.0
- (2) EXISTING 1" DOMESTIC COLD WATER LINE SERVING PROPOSED BEEM RISES UP TO EXISTING RPZ AT APPROXIMATELY THIS LOCATION. VERIFY EXACT SIZE AND LOCATION IN FIELD. CONNECT AND EXTEND NEW 1-1/2" UNDERGRADE WATERLINE WITHIN LEAVEOUT FROM APPROXIMATELY THIS LOCATION TO LOCATION SHOWN. REUSE / RELOCATE EXISTING RPZ AND ASSOCIATED FLOOR DRAIN WHERE ADEQUATE IN SIZE AND CAPACITY.
- 3 DO NOT ROUTE LINES ABOVE ELECTRICAL GEAR.
- 4 PROVIDE WASHER BOX AT 36" AFF FOR HW, CW & SAN CONNECTIONS. WALL SHALL ALLOW FOR 4" DRYER VENT TO BE CONCEALED WITHIN WALL.
- (5) PROVIDE W.H.A. ON ALL FAST CLOSING VALVES, AND WHERE ELSE INDICATED AND WHERE NECESSARY.

(6) FURROUT/THICKEN WALLS AS NECESSARY FOR POWER, PLUMBING, AND DRYER VENT AS APPLICABLE.

- (7) B.F.P. SHALL BE ACCESSIBLE FOR INSPECTION AND TESTING. TYPICALLY ABOVE OR NEXT TO WATER HEATER, 24" TO 60" AFF. ROUTE DISCHARGE TO NEAREST APPROVED RECEPTOR, PROVIDE AND INSTALL HUB DRAIN WITH TRAP PRIMER AS NEEDED.
- 8 PROVIDE AND INSTALL TEMPERING VALVE AT ALL LAVATORIES. SET DISCHARGE TEMPERATURE AT 110°. VERIFY TEMPERATURE SETTING OF UTILITY SINK WITH LOCAL HEALTH DEPARTMENT.

٧	WATER HEATER SCHEDULE (ELECTRIC, TANK-TYPE)														
MARK	RECOVERY @55°F RISE	STORAGE	LINING	MAXIMUM INPUT					DESCRIPTION						
INITIN	@55°F RISE	GALLONS	LIMING	FUEL	CFH	£	VOLTS/PH	KW	DESCRIP HON						
WH	SEE CALC.	50	GLASS	ELEC.			208/3		AO SMITH DEL-50, OR EQUAL. TWO 4.5 KW ELEMENTS. 26.5" DIAMETER, 30" DRAIN PAN. WIRED FOR SIMULTANEOUS ELEMENT USE. SHIPPING WEIGHT APPROXIMATELY 172 LBS.						

R	RECIRCULATION PUMP SCHEDULE													
MARK	SERVICE	GPM	TOTAL HEAD	EAD MOTOR		ECTRIC	٩L	REMARKS						
MARK	SERVICE	GFIVI	FT.	SIZE	VOLTS	PHASE	HERTZ	REMARKS						
R.P.	120°F HOT WATER	2	4	52 WATTS	115	1	60	BELL & GOSSETT RECIRC. PUMP MODEL NBF 10S/LW PROVIDE WITH TIMER AND AQUASTAT. OR EQUAL.						

	EX	PANS	SION TAI	NK S	CHED	ULE			FINAL SHOWERHEAD LOCATION SHALL BE TAS/ADA COMPLIANT
	MARK	TANK VOLUME	ACCEPTABLE VOLUME GALLON		DIAMETER	ASTME CONST.	SERVES WATER HEATER		WHERE REQUIRED.
ŀ	ET	4.4	3.2	15"	11"	NO	WH	AMTROL ST-12 OR EQUAL.	REFER TO SHEET P3 FOR PLUMBING FIXTU SCHEDULE.

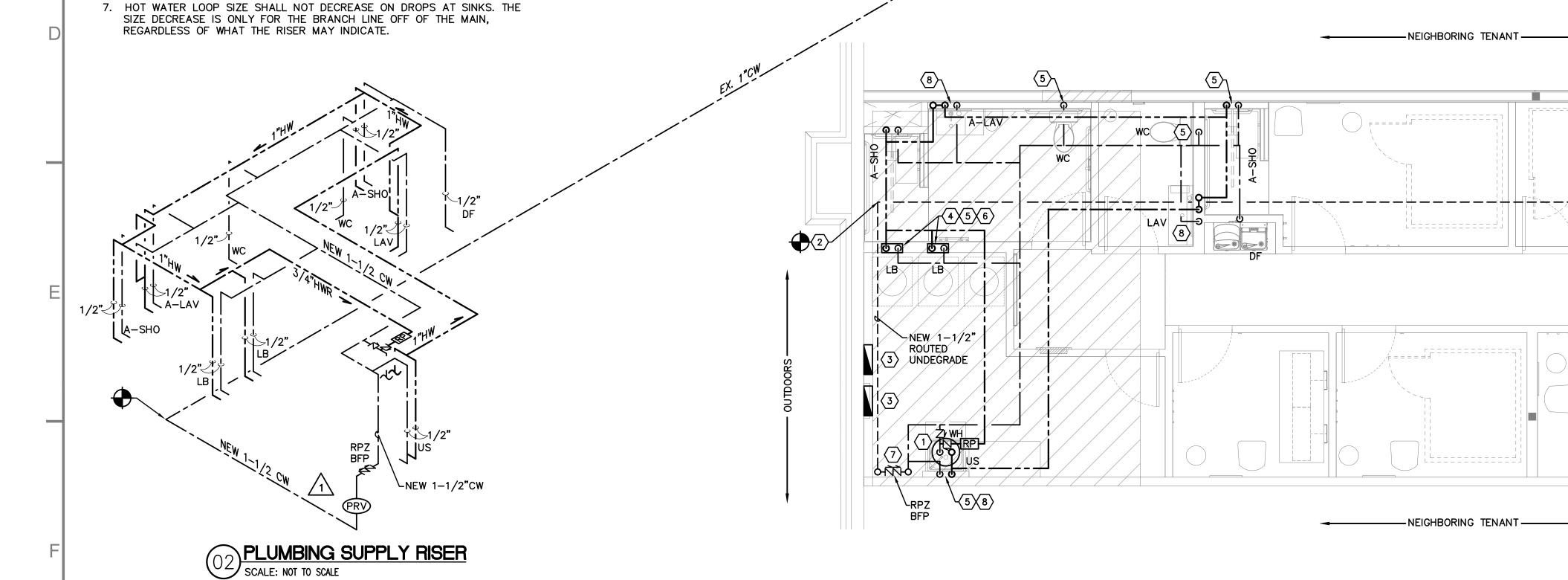
CONFIRM WITH PLUMBING INSPECTOR IF BUILDING HAS MAIN RPZBFP AND DOES NOT REQUIRE ADDITIONAL BFP IN SPACE, THE PLUMBER MAY OMIT BFP. IF JURISDICTION REQUIRES ISOLATION BFP, THE PLUMBING CONTRACTOR SHALL OMIT THE RPZ BFP NEAR THE MOP SINK AND INSTEAD SHALL PROVIDE A POINT OF USE BFP AT THE DRINKING

TO ASSUMED EXISTING PRIVATE

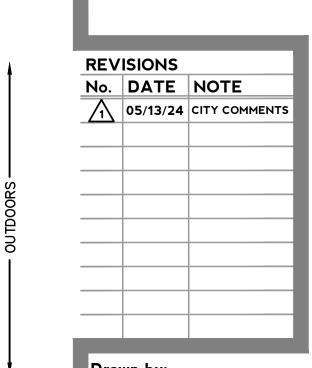
SUB-METER AND SHUTOFF VALVE IN HANDBOX, V.I.F. REFER TO SHELL CIVIL DRAWINGS FOR MORE INFO.

EXISTING 1" DCW-ROUTED UNDERSLAB PER SHELL DRAWINGS DATED 02/19/2024. VERIFY EXACT SIZE AND LOCATION IN FIELD.

BASE BID TO ASSUME THAT THE JURISDICTION REQUIRES CONTAINMENT BACK FLOW PREVENTION. P.C. SHALL FOUNTAIN. AS APPLICABLE/AS REQUIRED AND ELSEWHERE AS DETERMINED BY THE PLUMBING INSPECTOR.



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



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

> **PLUMBING SUPPLY**

PLAN

PLUMBING RISER NOTES (SUPPLY + WASTE)

1. THE CONTRACTOR SHALL CONFIRM WASTE LINES FOUND IN FIELD AND

2. PROVIDE MINIMUM 6" AIR GAP AT DISCHARGE OF A T&P AT WATER

PLACEMENT OF HOT AND COLD WATER SUPPLY TAPS PRIOR TO

INSTALLATION. WATER SUPPLY LOCATIONS ON THIS SHEET ARE

GREASE WASTE LINE.

DIAGRAMMATIC.

BEFORE BEGINNING CONSTRUCTION.

SET TO FILTRATION SYSTEM CRITERIA.

SHALL VERIFY THAT TENANT SANITARY WASTE LINES ARE CONNECTED TO BUILDING SANITARY WASTE LINE, AND NOT INTO A BUILDING COMMON

HEATER. PROVIDE FLOOR SINK OR HUB DRAIN WHERE REQUIRED BY A.H.J.

3. PLUMBING CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR

4. ROUTING OF WATER LINES SHOWN ON PLANS IN VICINITY OF PANELS IS

EXCEEDS 80 PSI, REDUCE TO 65 PSI. NOTIFY ENGINEER IF WATER PRESSURE IS BELOW 45 PSI ON SITE (STATIC OR DYNAMIC). MEASURE

6. IF A R.O./FILTRATION SYSTEM IS USED, PROVIDE A P.R.V. AS NEEDED,

DIAGRAMMATIC. DO NOT ROUTE WATER LINES DIRECTLY ABOVE PANELS.

5. PROVIDE PRESSURE REDUCING VALVE ON MAIN TAP IF SERVICE PRESSURE

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.
- 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.

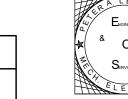
C. GAS PIPING

- 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

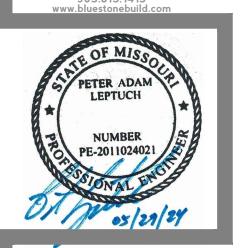
- CONTRACTORS AND SUB CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCING THE COMPLETE DOCUMENT
- COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED 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.
- TENANT IS NOT TO SUSPEND ANY ITEMS FROM THE BOTTOM OF THE ROOF DECK. TENANT IS NOT TO SUSPEND ANY ITEMS FROM THE BOTTOM ROOF JOIST OR JOIST GIRDER CHORDS, WITHOUT WRITTEN APPROVAL OF THE BUILDING SHELL STRUCTURAL ENGINEER OF RECORD. TENANT IS TO SUBMIT PROPOSED DETAILS, FOR ITEMS SUSPENDED FROM THE ROOF STRUCTURE, FOR REVIEW BY SHELL STRUCTURAL ENGINEER.
- IN GENERAL, NO DUCTWORK, CONDUITS, PIPES, BANNERS, SIGNAGE, OR CURTAIN/SUSPENDED FURR-DOWNS OR WALL ARE TO BE SUSPENDED FROM THE BOTTOM OF THE ROOF STRUCTURE, WITHOUT APPROVAL. NO TENANT FINISHOUT WORK IS TO BE SUSPENDED FROM ANY WORK BY ANOTHER TRADE, FROM JOIST BRIDGING OR FROM X-BRACING OR FROM THE BOTTOM OF THE ROOF DECK. SUSPENDED TEE GRID CEILINGS AND LIGHT FIXTURES MAY BE SUSPENDED FROM THE BOTTOM ROOF JOIST AND BOTTOM JOIST GIRDER CHORDS IN MAXIMUM WEIGHTS OF SEVENTY-FIVE (75) POUNDS AT BOTTOM CHORD JOIST PANEL POINTS, WITHOUT ADDED STEEL ANGLE REINFORCING UP TO TOP JOIST CHORDS. SUSPENDED CEILINGS AND LIGHT FIXTURES ARE NOT TO BE SUSPENDED FROM THE BOTTOM OF THE ROOF DECK. SET MAXIMUM TEMPERATURE AT HAND SINKS AT 110°F.
- 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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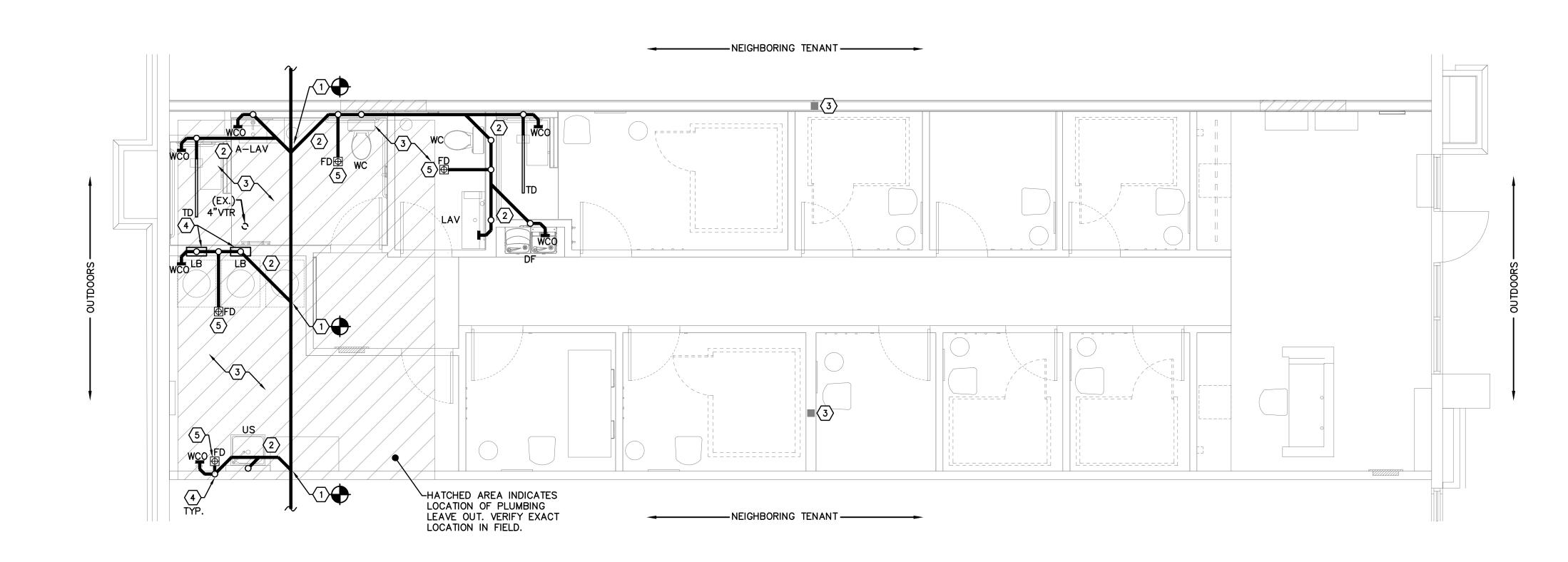


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REVISIONS No. DATE NOTE

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

PLUMBING WASTE PLAN



PLUMBING WASTE RISER
SCALE: NOT TO SCALE

PLUMBING WASTE PLAN

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

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

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

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

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.

Water Heater Input (BTU o	r kW) Needed:	
Gas Water Heater	Electric Water Heater	
51 ,000 BTU at 80°F rise	11 kW at 80°F rise	
58 ,000 BTU at 90°F rise	13 kW at 90°F rise	
64 ,000 BTU at 100°F rise	14 kW at 100°F rise	
	17.5 kW at 65°F rise	

Address:

Mop sink

Recovery Calc (For Tank Type Water Heater)

51.1 °F

58.9 °F

8.34 LBS

8.44 kW Required

ROUGH-IN-SIZE DESCRIPTION / REMARKS

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

COLOR: WHITE

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

28,785.84 BTUH

PLUMBING FIXTURE SCHEDULE

Temperature Set Point =

Incoming Water Temp

BTUH = GPH*8.34*ΔT kW = BTUH/3412.142

MARK | FIXTURE

A-LAV

SHO

US

DF

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

1 Gallon water =

PUBLIC		Load \	Values, In	WSFU	Total
Fixture	Qty	Cold	Hot	Total	WSFU
Drinking Fountain	1	0.25	1	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 Tabl	e E103.3(2)		Over	all Total =	33.25

FROM 2018 IPC TABLE E201.1

USING A MAXIMUM DEVELOPMENT LENGTH OF = 300 FEET ASSUMING A PRESSURE RANGE OF 30 TO 39 PSI

A 1" METER AND SERVICE PIPE AND 1-1/2" DISTRIBUTION PIPE CAN HANDLE

56 WSFU > 33.25 WSFU, THEREFORE A 1" OR LARGER METER AND SERVICE PIPE AND A 1-1/2" DISTRIBUTION PIPE WILL BE SUFFICIENT.

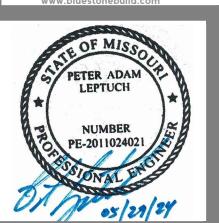
*NOTIFY ENGINEER IF WATER PRESSURE OR MAXIMUM DEVELOPMENT LENGTH DIFFERS FROM AS SHOWN ABOVE.

**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."





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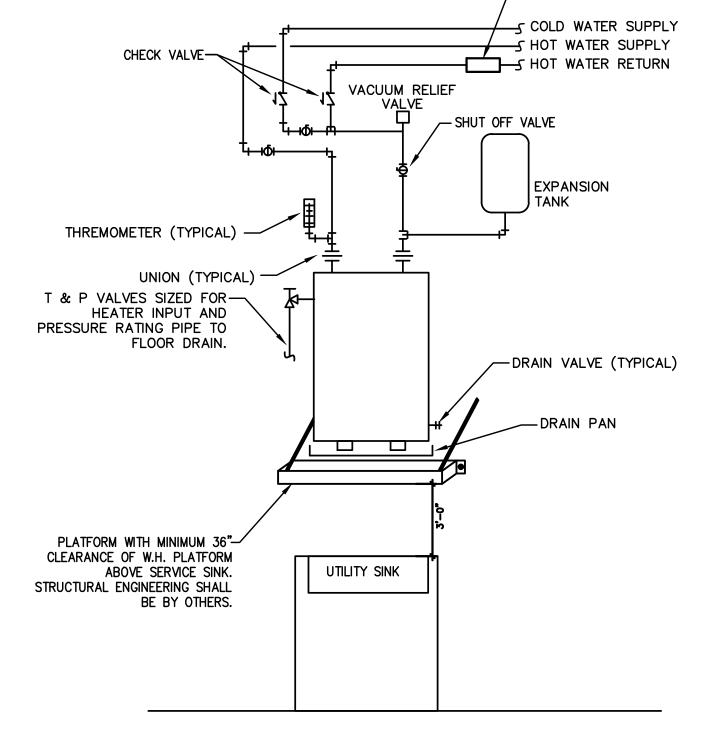
SEE SHEET P/3 FOR DRAIN SPECIFICATIONS. — DO NOT GROUT OVER FACE OF DRAIN GRATE.
FACE OF FLOOR TILE SHALL MIN. 18" /FT SLOPE TO DRAIN (SEE SECTION 1 SLOPÉ ON SHT A/16) AND SHALL BE NO LESS THAN 1/4" ABOVE FACE OF DRAIN GRATE. SOIL PIPE GASKET - SEE PLUMBING RISER DIAGRAM FOR DRAIN PIPE SIZE.

FLOOR DRAIN DETAIL SCALE: NOT TO SCALE

12" SQUARED,

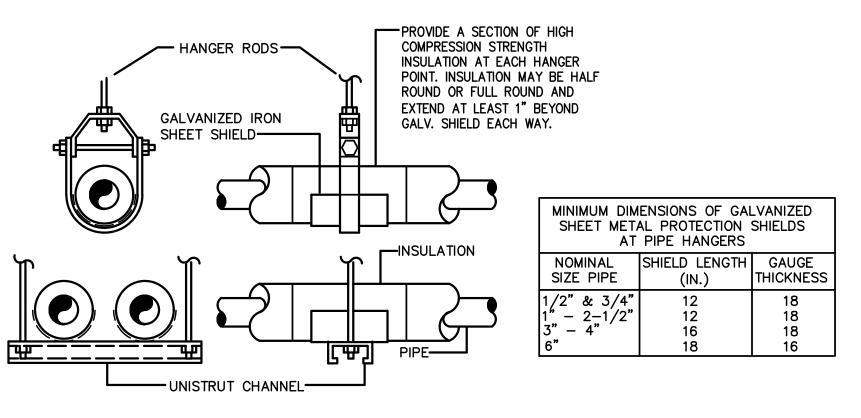
MIN.1/8"/FT SLOPE

GROUT (TYP) __ EACH SIDE

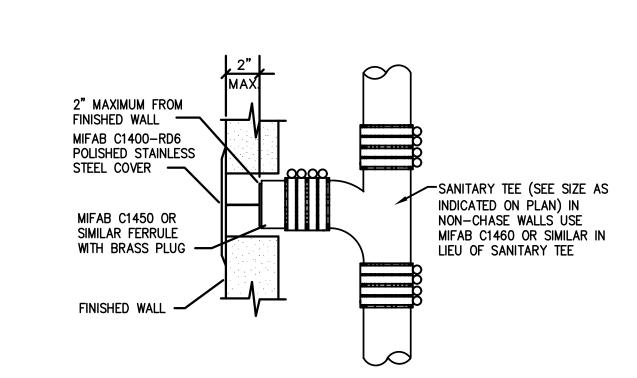


TANK-TYPE ELECTRIC WATER HEATER DETAIL

SCALE: NOT TO SCALE SCALE: NOT TO SCALE



HANGER FOR INSULATED PIPING SCALE: NOT TO SCALE



WALL CLEAN OUT DETAIL SCALE: NOT TO SCALE

No.	DATE	NOTE

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

> **PLUMBING SCHEDULES** & DETAILS

Sheet: **P3.0**

- RECIRCULATION PUMP WITH AQUASTAT.