

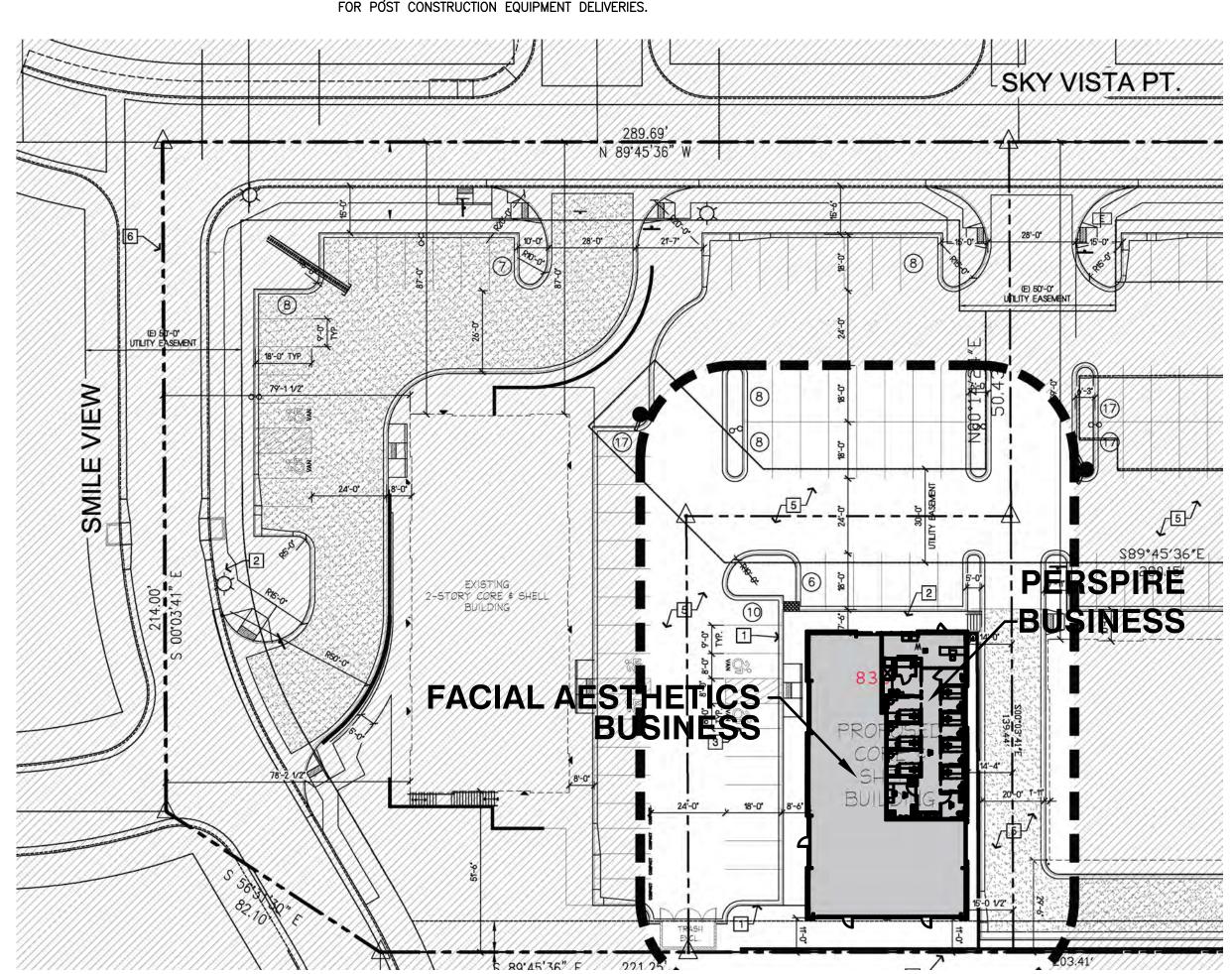
10LB TYP ABC FIRE EXTINGUISHER RECESSED CABINET WITH SIGNAGE INSTALLED. FINAL LOCATIONS AND QUANTITIES BY FIRE MARSHALL.

GENERAL CONTRACTOR SHALL VISIT SITE AND ENSURE ALL BIDDING SUBCONTRACTOR'S VISIT SITE PRIOR TO BID. G.C. WILL BE RESPONSIBLE FOR ALL EXISTING CONDITIONS MEETING OR EXCEEDING THOSE DEPICTED WITH PLANS. WHERE EXISTING CONDITIONS ARE NOT AS SHOWN, G,C, SHALL INCLUDE IN BID THE NECESSARY LABOR AND MATERIALS TO ENSURE THE EXISTING SHELL MEETS OR EXCEEDS THE INTENT OF THE CONSTRUCTION PLANS. ALL EXISTING WALLS TO BE RE-USED, EXTERIOR AND OR DEMISING, SHALL BE INSULATED AND DRY WALLED WITH A MIN OF 5/8" TYPE X OR AS LISTED PER PLANS AND BE FINISHED EQUIVALENT TO NEW DRYWALL AND BE PAINT READY. ROOF SHALL HAVE ACCEPTABLE MINIMUM INSULATION INSTALLED OR G.C. SHALL INSTALL.

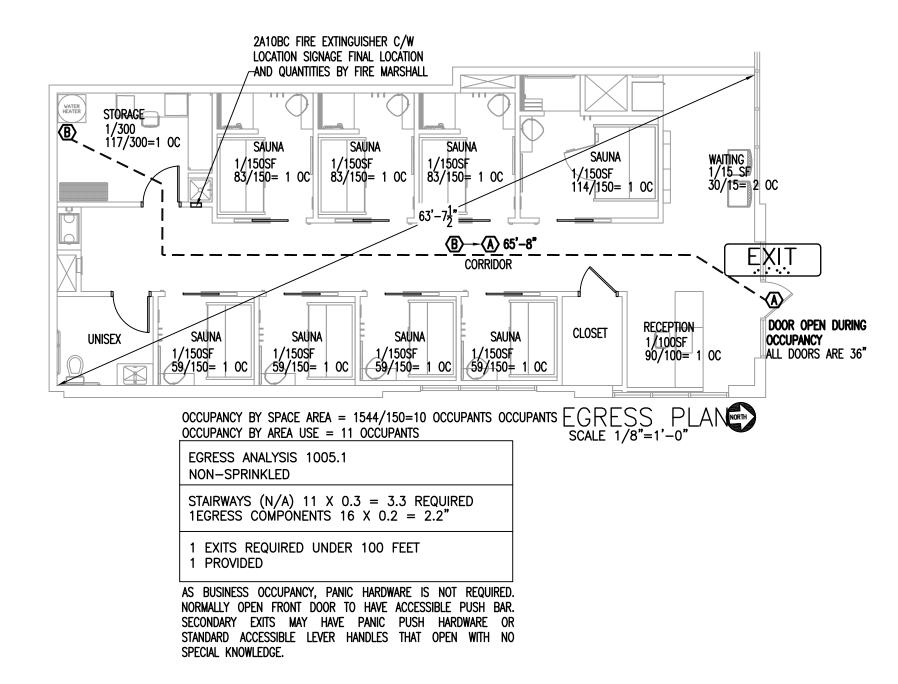
ALL SUPPLEMENTAL WORK REQUIRED TO ENSURE EXISTING EXTERIOR / INTERIOR / INSULATION TO FINISH TENANT SHELL SHALL BE PROVIDED AS A BID ALTERNATE COST SEPARATED ON G.C. BID.

SITE PLAN

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL CONSTRUCTION WASTE / DEBRIS THROUGHOUT CONSTRUCTION INCLUDING ONE WEEK AFTER SUBSTANTIAL COMPLETION



UNLESS EXPRESSLY NOTED OTHERWISE. G.C. SHALL BE RESPONSIBLE FOR PURCHASE AND INSTALLATION OF ALL COMPONENTS WITHIN PLAN SET.



GENERAL NOTES

- 1. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR A PROFESSIONALLY COMPLETE TENANT IMPROVEMENT WITHIN THE ADDRESS LISTED ON THESE PLANS.
- 2. ALL PRINTED INFORMATION CONTAINED IN THESE CONSTRUCTION DRAWINGS ARE THE SOLE PROPERTY OF PERSPIRE. COPIES ARE TO BE USED FOR THE EXCLUSIVE PURPOSE OF CONSTRUCTING SITE SPECIFIC PERSPIRE FACILITIES. ANY OTHER USE MAY VIOLATE THE COPYRIGHT LAWS OF
- 3. THE DESIGNER, FCDADSON, FRANCHISEE, OR PERSPIRE ASSUME NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THESE DOCUMENTS FOR ANY PURPOSE OTHER THAN SPECIFICALLY AUTHORIZED BY THE AFORE MENTIONED AND SIGNED AND SEALED FOR THE SPECIFIC LOCATION IN THE STATE SHOWN ON THE DRAWINGS AND SEAL.
- 4. ALL CONSTRUCTION WORK, INCLUDING BUT NOT LIMITED TO, PLUMBING, MECHANICAL AND ELECTRICAL, WORKING CONDITIONS, MATERIALS AND METHODS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE STATE AND LOCAL BUILDING CODES.
- 5. PRIOR TO SUBMITTING BIDS OF ANY TYPE, THE CONTRACTOR SHALL VISIT THE SITE TO BECOME THOROUGHLY FAMILIAR, NOT ONLY WITH THE PROPOSED SCOPE OF WORK, BUT ALSO WITH THE SPECIFIC REQUIREMENTS AS TO PROCEDURES THE FRANCHISEE OR THE LANDLORD EXPECTS THE CONTRACTOR(S) TO FOLLOW DURING CONSTRUCTION. THIS REFERS TO ACCESS TO THE SPACE, TRASH REMOVAL DURING CONSTRUCTION, PARKING OF CONSTRUCTION VEHICLES, DELIVERIES, STORAGE, STAGING AREAS, AND ANY OTHER ITEMS NECESSARY TO COMPLY WITH ALL ASPECTS OF THE LEASE AND TENANT OBLIGATIONS.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF FCDADSON AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
- CAREFULLY REVIEW LOCATION AND CONDITIONS OF ALL UTILITIES TO BE FURNISHED FOR THE SPACE AND VERIFY LOCATIONS FURNISHED BY THE LANDLORD/UTILITY COMPANIES AS SHOWN ON
- 8. ANY DETAILS OR NOTES REQUIRING FIELD VERIFICATION BY THE CONTRACTOR ARE TO BE DONE DURING THE BID PROCESS. DISCREPANCIES FOUND AFTER THE GENERAL CONTRACTOR IS SELECTED WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND CORRECTED AT THE GENERAL CONTRACTOR'S EXPENSE.
- 9. SPECIAL ATTENTION SHALL BE GIVEN TO EXISTING AREAS SURROUNDING THE EXTERIOR OF THE PROJECT SPACE. ALL CONSTRUCTION AND INSTALLED EQUIPMENT, WALKS, AND LANDSCAPED AREAS SHALL BE PROTECTED AND GUARDED BY BARRIERS OR OTHER MEANS NECESSARY TO PROTECT AREAS FROM DAMAGE DURING CONSTRUCTION. ALL AREAS DAMAGED WILL BE RESTORED TO THEIR ORIGINAL CONDITION PRIOR TO FINAL PAYMENT AT THE SOLE EXPENSE OF THE GENERAL CONTRACTOR
- 10. INSTALL SAFETY BARRIERS DURING CONSTRUCTION AS NECESSARY TO PROTECT THE PUBLIC FROM INJURY AND ACCESS TO THE SITE. REVIEW SPECIFIC REQUIREMENTS WITH THE LANDLORD'S TENANT COORDINATOR PRIOR TO BEGINNING CONSTRUCTION.
- 11. TEMPORARY SERVICES REQUIRED DURING CONSTRUCTION SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR, UNLESS OTHERWISE AGREED UPON.
- 12. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO SECURE AND PROTECT FROM DAMAGE, ALL ITEMS ON THE PREMISES. INCLUDING, BUT NOT LIMITED TO; CONSTRUCTION MATERIALS, LIGHT FIXTURES, FOOD SERVICE EQUIPMENT, EQUIPMENT, AND THE FURNITURE PACKAGE. AFTER RECEIPT ON JOB SITE, ANY LOST, STOLEN OR ITEMS DAMAGED LATER BY SUBCONTRACTORS OR OTHERS IN THE BUILDING, SHALL BE REPLACED OR REPAIRED AT THE GENERAL CONTRACTOR'S SOLE EXPENSE. THE GENERAL CONTRACTOR SHOULD NOTIFY AND RELATE THIS INFORMATION AND REQUIREMENT TO ALL TRADES AND SUBCONTRACTORS ON SITE
- 13. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO RECEIVE AND UNLOAD PRODUCT AND MATERIALS SUPPLIED BY OTHERS AT THE JOB SITE. IMMEDIATELY INSPECT DELIVERED PRODUCTS AND EQUIPMENT FOR SHIPPING DAMAGE, INCLUDING CONCEALED DAMAGE PRIOR TO SHIPPER LEAVING PREMISES. ANY PRODUCT OR MATERIALS FOUND TO BE DAMAGED AFTER THE SHIPPER HAS LEFT THE PREMISES, WILL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REPLACE. RECORD ANY SHORTAGES, DAMAGED OR DEFECTIVE MATERIALS. SAVE ALL PACKING OF DAMAGED PRODUCTS UNTIL CLAIMS ARE FINALIZED. IMMEDIATELY NOTIFY FCDADSON, FRANCHISEE AND PERSPIRE PM OF ANY DAMAGED MATERIALS RECEIVED. IMMEDIATELY FILE A DAMAGE CLAIM WITH THE APPROPRIATE SHIPPING COMPANY.

- 14. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY THE TRADES AND SHALL PROVIDE SUBCONTRACTORS WITH CURRENT CONSTRUCTION DOCUMENTS
- 15. DRAWINGS MAY NOT ALWAYS BE TO SCALE. NOTED DIMENSIONS SHALL TAKE PRECEDENCE.
- 16. DIMENSIONS ON CONSTRUCTION DRAWINGS ARE TO THE FACE OF FINISH, UNLESS OTHERWISE NOTED. THE GENERAL CONTRACTOR SHALL NOT SCALE THE DRAWINGS.
- 17. ALL NOTES THROUGHOUT THESE CONSTRUCTION DRAWINGS APPLY TO ALL SHEETS WHERE APPLICABLE.
- 18. WORK LISTED, SHOWN, OR IMPLIED ON THE CONSTRUCTION DRAWINGS SHALL BE SUPPLIED BY THE GENERAL CONTRACTOR EXCEPT WHERE OTHERWISE NOTED. THE GENERAL CONTRACTOR SHALL CLOSELY COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS OR VENDORS TO ASSURE THAT SCHEDULES ARE MET AND THAT THE WORK IS DONE IN CONFORMANCE TO MANUFACTURER'S REQUIREMENTS.
- 19. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED.
- 20. ALL CHANGES TO THESE DOCUMENTS MUST BE APPROVED BY PERSPIRE AND FCDADSON.
- 21. NO MATERIAL SUBSTITUTIONS WILL BE PERMITTED UNLESS WRITTEN AUTHORIZATION HAS BEEN GRANTED BY FCDADSON OR PERSPIRE. ANY MATERIAL SUBSTITUTIONS WITHOUT AUTHORIZATION WILL SUBJECT THE GENERAL CONTRACTOR TO REPLACEMENT OF SUCH SUBSTITUTED MATERIALS WITH APPROVED MATERIALS AT THE SOLE EXPENSE OF THE GENERAL CONTRACTOR.
- 22. THE SUBCONTRACTORS SHALL REMOVE RUBBISH AND WASTE MATERIALS ON A REGULAR BASIS AND SHALL EXERCISE STRICT CONTROL OVER JOB CLEANING TO PREVENT DIRT, DEBRIS OR DUST FROM AFFECTING THE FINISHED INTERIOR OR EXTERIOR OF THE JOB SITE.
- 23. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM CERTIFICATE OF OCCUPANCY FRANCHISEE MAY WITHHOLD FINAL PAYMENT UNTIL GENERAL CONTRACTOR SUPPLIES FRANCHISEE WITH A WARRANTY LETTER AND SUBCONTRACTORS LIEN WAIVERS.
- 24. GENERAL CONTRACTOR SHALL HIRE A PROFESSIONAL CLEANING COMPANY FOR FINAL CLEAN UP INCLUDING STRIPPING AND WAXING OF VCT/SVT AND CLEANING OF LVP/LVT PER MANUFACTURER BEFORE TURNING COMPLETED STORE OVER TO FRANCHISEE.
- 25. GENERAL CONTRACTOR AND HIS JOB SUPERVISOR SHALL TEST ALL EQUIPMENT FOR PROPER OPERATION, IN THE PRESENCE OF THE FRANCHISEE, BEFORE TURNING COMPLETED STORE OVER TO
- 26. GENERAL CONTRACTOR SHALL PROVIDE THE FRANCHISEE WITH TWO (2) COPIES OF A MAINTENANCE MANUAL UPON COMPLETION OF THE STORE. THE FRANCHISEE MAY CHOOSE TO WITHHOLD FINAL PAYMENT SHOULD THE GENERAL CONTRACTOR FAIL TO PROVIDE A MAINTENANCE
- 27. TEN DAYS BEFORE CONSTRUCTION COMMENCEMENT, THE GENERAL CONTRACTOR SHALL PROVIDE FCDADSON WITH A DETAILED AND COMPLETE CONSTRUCTION SCHEDULE. THE SCHEDULE SHOWING ALL TRADES WITH STARTING AND COMPLETION DATES. A COMPLETE LIST OF ALL SUBCONTRACTORS MUST ALSO BE INCLUDED WITH THE SCHEDULE. THE GENERAL CONTRACTOR IS TO NOTIFY ALL PARTIES IN RECEIPT OF PROJECT SCHEDULE IF ANY CHANGES OCCUR WHICH AFFECT THE COMPLETION DATE. FAILURE TO COMPLETE THE PROJECT AS SCHEDULED, MAY RESULT IN PENALTIES INCURRED BY THE GENERAL CONTRACTOR REGARDING FINAL PAYMENT.
- 28. GENERAL CONTRACTOR TO SCOPE EXISTING SANITARY SEWER FOR VERIFICATION OF LINE CONDITION FROM THE TENANT SPACE TO THE EXTERIOR MAIN LATERAL AS REQUIRED. GENERAL CONTRACTOR TO PROVIDE VIDEO DOCUMENTATION OF EXISTING CONDITIONS TO FCDADSON.

1.00	COVER SHEET
1.01	SITE ACCESSIBLE PLAN
1.02	LIFE SAFETY PLAN
1.03	FRAMING PLAN
1.04	FRAMING DETAILS
1.05	ACCESSIBLE DETAILS
1.06	ACCESSIBLE FLOOR PLAN
1.07	REFLECTED CEILING PLAN
1.08	CEILING DETAILS
1.09	WALL AND FLOOR FINISH PLAN
1.10	FURNITURE PLAN
1.11	INTERIOR ELEVATIONS
1.12	INTERIOR ELEVATIONS
1.13	TOILET ROOM PLANS / DETAILS AND ELEVATIONS
1.14	ARCHITECTURAL SPECIFICATION
2.01	ELECTRICAL LIGHTING PLAN
2.02	ELECTRICAL POWER PLAN
2.03	ELECTRICAL PANELS
2.04	LIGHTING ENERGY COMPLIANCE
3.01	HVA/C PLAN AND SCHEDULES
3.02	HVA/C DETAILS
3.03	MECHANICAL ENERGY COMPLIANCE
4.01	SANITARY SEWER PLAN AND SCHEDULES
4.02	DOMESTIC WATER PLAN
4.03	PLUMBING DETAILS
4.04	NATURAL GAS PLAN
4.05	PLUMBING SPECIFICATION

DRAWING INDEX

TENANT IMPROVEMI	ENT
OCCUPANCY	BUSINESS
CONSTRUCTION TYPE	TYPE IIB NON-SPRINKLED
BUILDING HEIGHT	1 STORY
FIRE ALARM	YES
INTERIOR FINISH CEILING HEIGHT	11 FEET
AREA GROSS/NET	1544 / 1453 SQUARE FEET
TOTAL OCCUPANCY	11 OCCUPANTS
EXIT(S) WIDTH PROVIDED	36" MINIMUM
MINIMUM EXIT(S) REQUIRED	1
EXIT(S) PROVIDED	1

PLUMBING FIXTURE REQUIREMENTS

WATER CLOSETS/LAVATORIES REQUIRED 1 UNISEX |WATER CLOSETS/ LAVATORIES- 1 UNISEX PROVIDED.

|MOP SINK / 0-REQUIRED / 1-PROVIDED

HI-LOW DRINKING FOUNTAIN / NOT REQUIRED / PROVIDED - N/A A FILTERED WATER DISPENSER IS INSTALLED AT ACCESSIBLE HEIGHT

CODE TABLE

- 2023 PIKES PEAK REGIONAL BUILDING CODE (PPRBC)
- REFERENCE STANDARDS PER 2021 ICC CODES
- 2020 NATIONAL ELECTRICAL CODE
- 2021 INTERNATIONAL BUILDING CODE (IBC)
- 2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC) 2021 INTERNATIONAL PLUMBING CODE (IPC)
- 2021 INTERNATIONAL MECHANICAL CODE (IMC)
- 2021 INTERNATIONAL FUEL GAS CODE (IFGC)
- 2021 INTERNATIONAL FIRE CODE (IFC)
- 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- CURRENT ADA AND 2017 ANSI A117.1

ALL INTERIOR FINISHES AND INTERIOR FLOOR FINISHES SHALL COMPLY WITH THE CURRENT BUILDING CODE.

PROJECT SCOPE

PREVIOUSLY A FIRST GEN SHELL BUSINESS/MERCANTILE SPACE TO BE FINISHED INTO A PERSPIRE SAUNA STUDIO - BUSINESS

OCCUPANCY. EXISTING HVAC WITH NEW DISTRIBUTION. NEW PARTITION WALLS, FLOORING AND FINISHES. EXISTING ELECTRICAL POWER WITH NEW DISTRIBUTION. NEW LIGHTING.

EXISTING SANITARY SEWER AND DOMESTIC WATER STUBS TO BE RE-USED WITH NEW DISTRIBUTION AND PLUMBING CONNECTIONS.

QUESTIONS

N1043 CRAFTSMEN DR.

SUITE 2

GREENVILLE. WI 54942

Phone: 920-757-1486

FAX: 920-757-1492

830 SKY VIST SUITE 100 COLORADO 000 CHECKED BY: Staff DRAWN BY: Staff JUNE 17, 2024 SCALE: PER PLAN PROJECT No.: PSS 2417 **Ⅲ** SHEET TITLE

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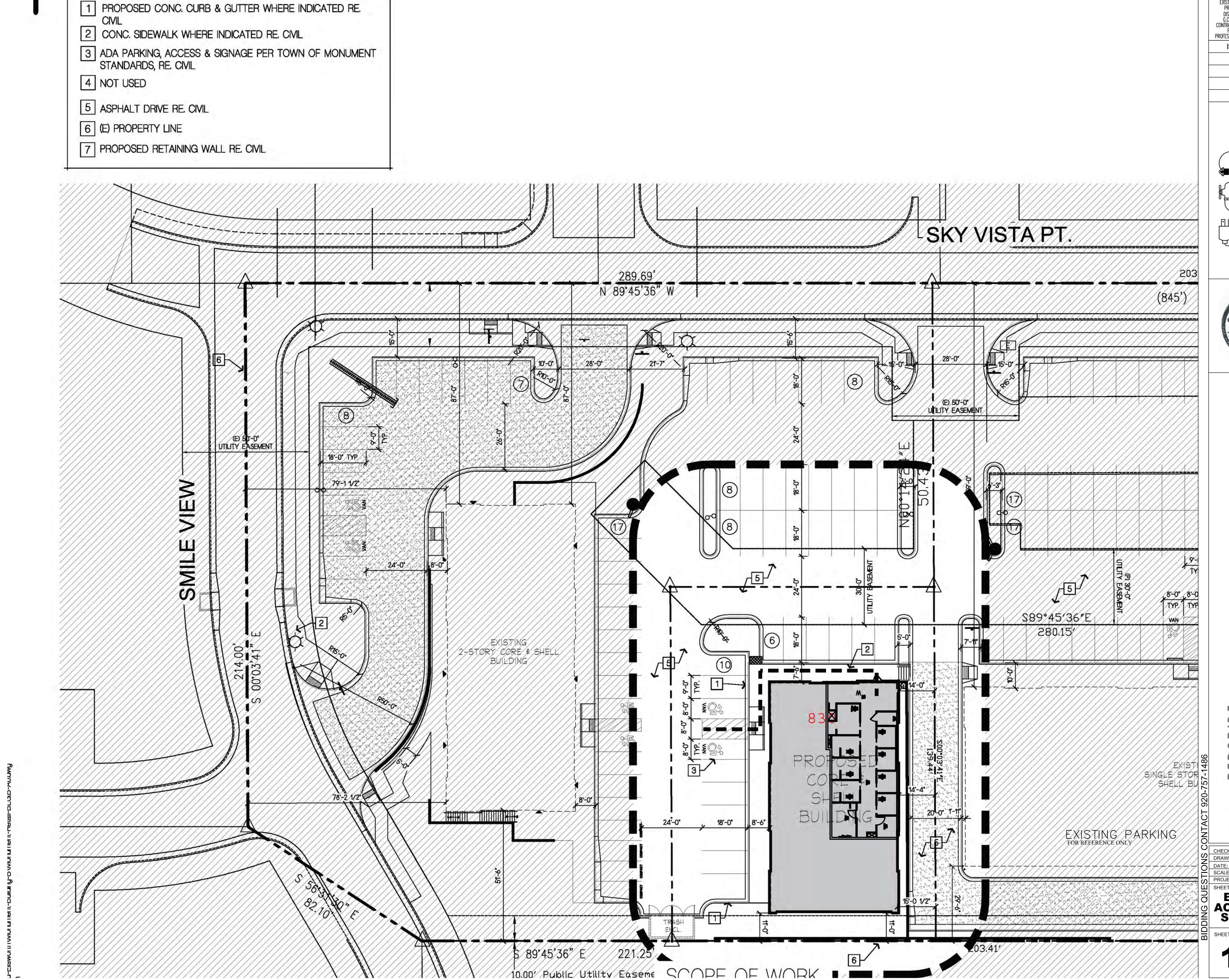
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CONTRACTOR SHALL FIELD VERIFY ALL

EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE. ISSUED / REVISIONS:

COVER SHEET

SHEET No.



CONTRACTOR SHALL FIELD VERIFY ALL
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G.C. SHALL COORDINATE ALL SUB
CONTRACTORS AND ENSURE A COMPLETE
FULLY CODE COMPLIANT AND
PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

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PERSPIBE SAUNA STUDIO

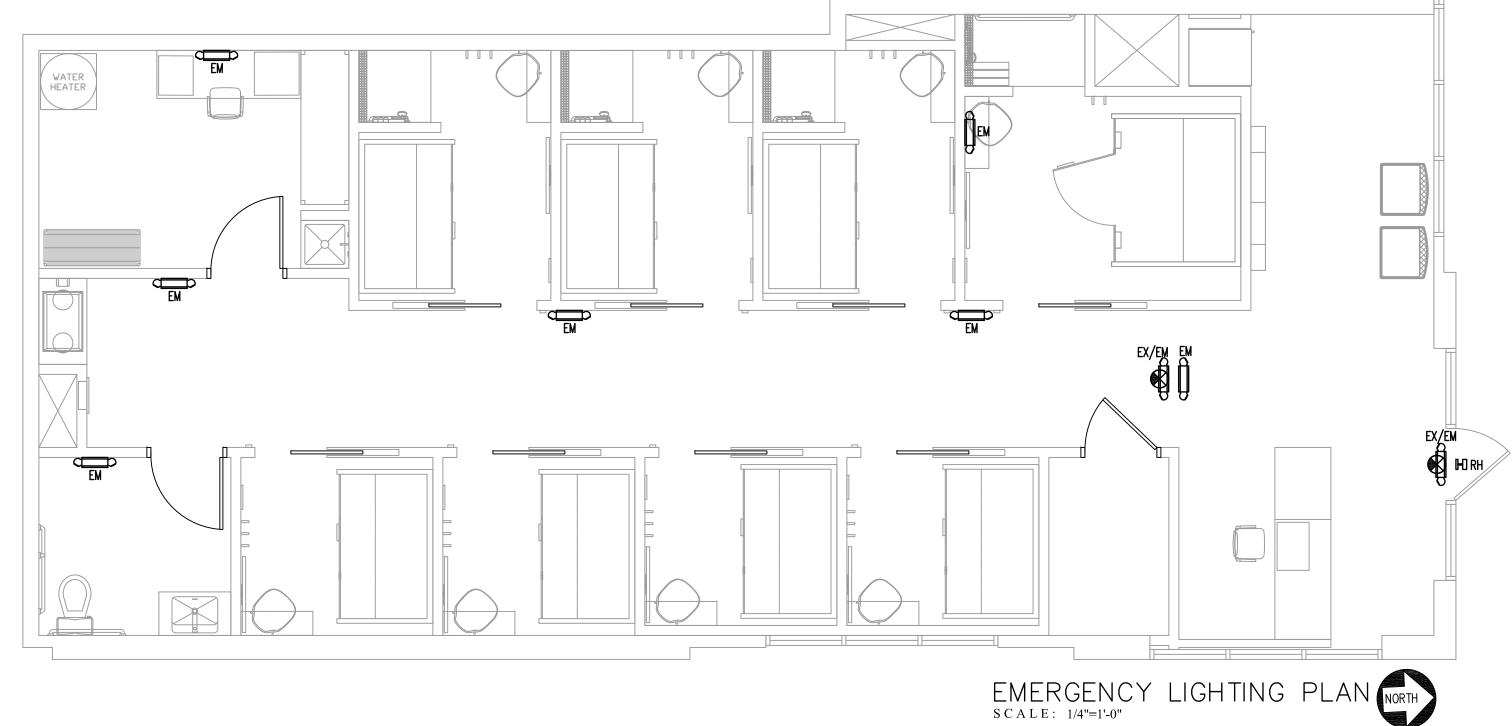
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ED BY: Staff
BY: Staff
JUNE 17, 2024
PER PLAN
CT No.: PSS 2417

EXISTING ACCESSIBLE SITE PLAN

ET No.

FMFRG	EMERGENCY LIGHTING LEGEND										
TYPE DESCRIPTION MANUFACTURER MODEL NO.											
RH [H]	RH	EXTERIOR REMOTE EMERGENCY HEAD	BEST	RHLED1-WP	INTEGRAL						
WALL MOUNT ONLY EM	ЕМ	EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP WALL MOUNTED 12" BELOW CEILING. MAX 108"AFF	BEST	LEDR1	INTEGRAL						
EX/EM WALL MOUNT ONLY	EM	COMBINATION EXIT / EMERGENCY LIGHT FIXTURE WITH 90 MINUTE BATTERY BACKUP	BEST	CXTEU2GWRC	INTEGRAL						
EX WALL MOUNT ONLY	EX	EXIT LIGHT FIXTURE WITH 90 MINUTE BATTERY BACKUP	BEST	EX T E U 2 G W - EM	INTEGRAL						



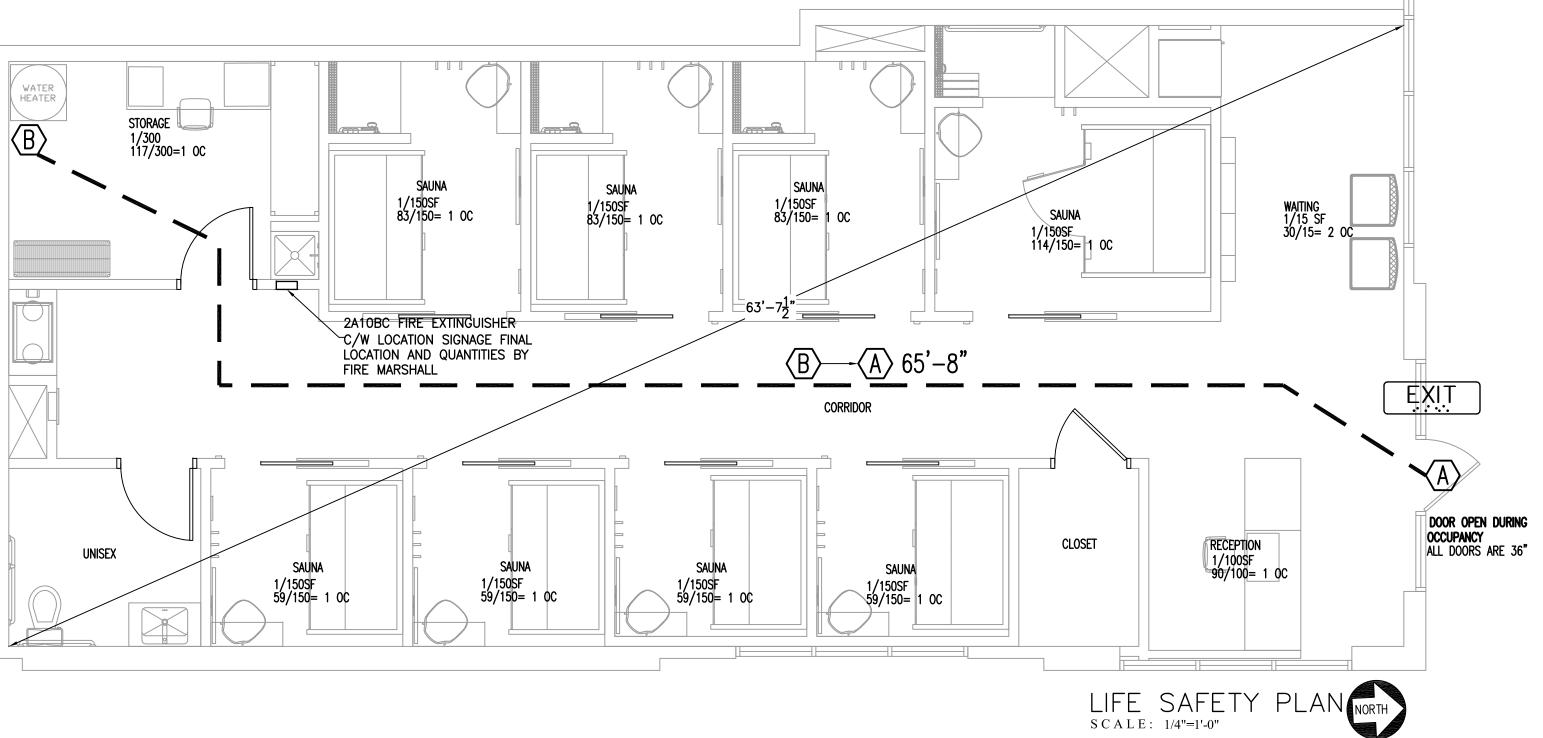
OCCUPANCY BY SPACE AREA = 1544/150=10 OCCUPANTS OCCUPANTS
OCCUPANCY BY AREA USE = 11 OCCUPANTS

EGRESS ANALYSIS 1005.1
NON-SPRINKLED

STAIRWAYS (N/A) 11 X 0.3 = 3.3 REQUIRED
1EGRESS COMPONENTS 16 X 0.2 = 2.2"

1 EXITS REQUIRED UNDER 100 FEET 1 PROVIDED

AS BUSINESS OCCUPANCY, PANIC HARDWARE IS NOT REQUIRED. NORMALLY OPEN FRONT DOOR TO HAVE ACCESSIBLE PUSH BAR. SECONDARY EXITS MAY HAVE PANIC PUSH HARDWARE OR STANDARD ACCESSIBLE LEVER HANDLES THAT OPEN WITH NO SPECIAL KNOWLEDGE.



CONTRACTOR SHALL FIELD VERIFY ALL
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G.C. SHALL COORDINATE ALL SUB
CONTRACTORS AND ENSURE A COMPLETE
FULLY CODE COMPLIANT AND
PROFESSIONALLY FINISHED TENANT SPACE.

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LIFE
SAFETY
PLAN

SHEET No.

WOOD BOARD TO BE FLUSH TO FINISHED GYP BOARD WHEN INSTALLED.

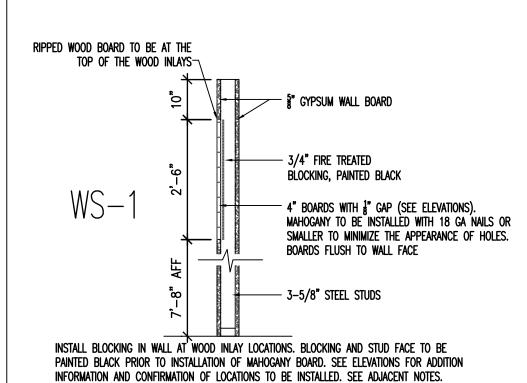
AT AREAS THAT ARE TIGHT TO CEILING OR AT ADJACENT WALLS. TRANSITION FROM SIDING TO WALL OR CEILING SHOULD BE FIT TO CREATE AN EVEN FINISHED APPEARANCE. TOP WOOD BOARD MAY BE RIPPED FOR PROPER

DRYWALL CORNER BEAD MUST CREATE A CLEAN STRAIGHT CLEAN EDGE TRANSITION FROM THE DRYWALL TO THE BOARDS. PAINT TO MATCH ADJACENT WALL, INCLUDING INSIDE EDGE OF THE CORNER BEAD.

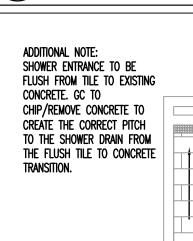
EDGE CUTS TO BE STRAIGHT AND STACKING FOR AN EVEN FINISHED APPEARANCE.

GC TO LEAVE 1 GAP BETWEEN BOARDS AND AT TRANSITION TO GYP BOARD.

OWNER TO SUPPLY WOOD BOARD MATERIAL IN 8' AND 10' LINEAR LENGTHS TO BE CUT AND FIT ONSITE BY GC as needed



TYPICAL WOOD PANELED WALL



TILE SHALL BE CENTERED ON SHOWER AND CUT SUCH AS TO SLOPE 1/4" PER FOOT TO THE SHOWER DRAIN ROUTE/CHIP INTO FLOOR

AS NECESSARY TO SLOPE TILE TO DRAIN AND MAINTAIN LEVEL ENTRY TO SHOWER.

VERTICALLY AT WALL TILE TRANSITION ALONG ENTRANCES AND AT TILED OUTSIDE CORNER

SHOWER TILE LAYOUT

DOOR SCHEDULE

DOORS AND FRAMES TO BE FINISHED PER SHEET 1.09, FINISH SCHEDULE THE BOTTOM 10" OF ALL DOORS SHALL HAVE A SMOOTH, UNINTERUPTED SURFACE G.C. TO PROVIDE BLOCKING FOR ALL A.D.A. GRAB BARS AND FIXTURE / CABINET SUPPORTS

EXISTING FRONT EGRESS DOOR (PAINT INTERIOR OF DOOR PT2)

- EXISTING 3'-0" X 7'-0" STOREFRONT ENTRY DOOR. REFURBISH TO LIKE NEW HANDICAP ACCESSIBLE COMPLIANT PANIC HARDWARE / PUSH PULL HARDWARE. INSTALL NEW BASED ON
- EXISTING CONDITION • THERE SHALL BE NO SPECIAL KNOWLEDGE REQUIRED TO OPEN AN EXIT DOOR FROM INSIDE THE
- ALL EXIT DOORS SHALL OPEN OUTWARD, BE SELF CLOSING AND FIT TIGHTLY. EXIT DOOR TO REMAIN UNLOCKED DURING ALL OPERATING HOURS.
- SIGN SHALL BE POSTED ON EGRESS SIDE OF DOOR STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED". SIGN TO HAVE 1" LETTERS ON CONTRASTING BACKGROUND"
- MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS ARE NOT PERMITTED. AUTOMATIC FLUSH BOLTS ARE PERMITTED.

(3) • TOILET ROOM DOOR PAINTED PT2 • 3'-0" X 7'-0" X 1-3/4"

- SOLID CORE FLUSH PANEL WITH WOOD VENEER, PAINT READY, SEE FINISH SCHEDULE
- KNOCK DOWN METAL FRAMES PAINTED PT3 3 HINGES - HAGER
- 1 FLOOR STOP BALDWIN 4010

RELEASE OUTSIDE OR OPERATING INSIDE LEVER.

- 1 LEVER TYPE PRIVACY SET US32D FINISH (ACCESSIBLE COMPLIANT) HAGER 3500 SERIES OR EQUAL LEVER HANDLE AUGUST STYLE. FUNCTION NUMBER 40. LATCH-BOLT OPERATED BY LEVER FROM EITHER SIDE OUTSIDE LEVER IS LOCKED BY PUSH BUTTON AND UNLOCKED BY EMERGENCY
- UTILITY DOOR PAINTED PT2
- UTILITY DOOR PAINTED PT2
 3'-0" X 7'-0" X 1-3/4"

 4A
 2'-6" X 7'-0" X 1-3/4"

 4B
 (2)3'-0" X 7'-0" X 1-3/4" • SOLID CORE FLUSH PANEL WITH WOOD VENEER, PAINT READY, SEE FINISH SCHEDULE KNOCK DOWN METAL FRAMES PAINTED PT3
- HINGES HAGER • 1 FLOOR STOP — BALDWIN 4010
- 1 LEVER TYPE PASSAGE SET US32D FINISH (ACCESSIBLE COMPLIANT) HAGER 3500 SERIES OR EQUAL LEVER HANDLE AUGUST STYLE. FUNCTION NUMBER F75
- ACCESSIBLE POCKET DOOR PAINTED PT2
- KNOCK DOWN METAL FRAMES PAINTED PT3 • 3'-0" X 7'-0" X 1-3/4" FIBERGLASS DOOR
- ROOM TEMPERATURES MAY EXCEED 100°F. ENSURE DOOR CAPABLE OF WITHSTANDING
- HAGER 9850 POCKET DOOR TRACK AND INSTALLATION KIT (WITH 9634 OPTION) OR
- APPROVED EQUAL HEAVY DUTY COMMERCIAL POCKET DOOR FRAME
- (125 LBS PLUS). TRICYCLE HANGÉRS AND JUMP-ROOF TRACK, STIFFENERS
- SELF ADJUSTING FLOOR ANCHORS AND STOPS
- ADJUST FRAMING TO ACCOMMODATE POCKET DOOR AND TO MEET ACCESSIBILITY
- POCKET DOOR CAN NOT FULLY RECESS INTO FRAME DOOR FACE SHALL HAVE HANDLE THAT ALLOW THE DOOR TO BE OPERATED WITHOUT
- PROVIDE ACCURATE ADAP2001-5 PRIVACY SLIDING DOOR HARDWARE SET US32D

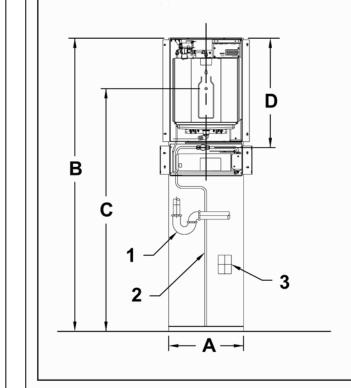
 P SERIES TIMELY POCKET DOOR FRAMES, PAINTED PT3. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. (11B-404.2.7)

ALL SLIDING DOORS SHALL HAVE MINIMUM CLEARANCE OF 32 INCHES IN OPEN POSITION.

(3) WATER MACHINE MOUNTING

4.4 Mounting Height Dimensions

1. The suggested water dispenser mounting height to the center of the water dispenser sensor (C) is 47 inches (1194 mm). This height can be adjusted higher or lower depending on the desires of the user.



Plumbing and Electrical Key 1) P-trap. 2) 3/8 inch flexible water tubing. (3) Electrical box.

Recommended Opening Dimensions The overall wall opening is 14-1/2 inches (368 mm) wide (A) by 55-3/4 inches high (B), top of the unit to the floor.

Unit Height (from floor) B) 55-3/4 inches (1441 mm).

Height (from floor) to Bottle Filler Sensor C) 47 inches (1194 mm).

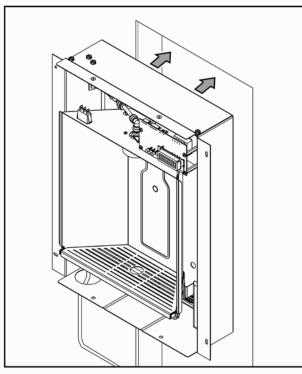
Note Item 1: If the p-trap is sealed within the wall, under the water dispenser, all the plumbing joints must be glued. The glue must be appropriate for the PVC pipe utilized. If the p-trap uses threaded components, they must be easily accessible.

Note Item 2: According to most electrical codes, the electrical box cannot be sealed inside a wall cavity with no access. If the electrical connection is placed under the unit, a user-supplied removable wall cover will be required to access the junction box.

- 4.5 Water Dispenser Installation There are several installation options available:
- Water dispenser with attached filter box and filter. Water dispenser with a remote filter.
- **Note:** When the filter is located in a remote location, mount the filter vertically on a wall or other supporting Water dispenser with remote filter and chiller. **Note:** When the filter is located in a remote location,
- mount the filter vertically on a wall or other supporting structure before the water chiller. · Water dispenser with optional waste drain.
- Use the following sections to install the water dispenser using the appropriate configuration.
- 1. Cut the opening into the wall using the suggested mounting dimensions as a guide.

4.5.1 Installing Water Dispenser into the Wall

2. Place the unit into the wall cavity and slide it up against the drywall at the top of the opening. The unit is designed with 1/4 inch overlap to conceal any irregularities at the top of the wall opening.



PROVIDE AND INSTALL REMOTE CHILLER FOR WATER MACHINE BELOW WATER MACHINE IN WALL. ENSURE FINISHED ACCESS TO CHILLER FOR FUTURE MAINTENANCE. (CHILLER MUST BE INSTALLED WITHIN 15 FEET OF THE DISPENSER USING 3/8" TUBING (NOT INCLUDED). WHERE SPACE IS LIMITED BELOW WATER DISPENSER, INSTALL ABOVE CEILING IN ACCESSIBLE

ON CENTER STUD SPACING (97mm) DEPTH OF ENCLOSURE (537mm) FILTER INLET FILTER BOX FILTER WALL CUTOUT HEIGHT (REF.) 2-3/8* (61mm) FINISHED FLOOR 14-1/2" (368mm) DEPTH OF

FILTER

ENCLOSURE

A = Recommended location for waste outlet (optional), 1-1/4" (32mm) trap not furnished. B = Recommended location for 3/8" (10mm) water inlet, to connect with 3/8" (10mm) shut off valve in filter box. C = Recommended location for electrical supply. It is recommended that the supply be on dedicated 15a Hospital Grade GFCI breaker

WALL CUTOUT

TV WALL MOUNT TO BE RECESSED AT TIME OF FRAMING. SEE EQUIPMENT SCHEDULE AND POWER PLAN FOR ELECTRICAL OUTLET LOCATIONS. STUD MUST BE CENTERED ON MOUNT TO ALLOW ACCESS TO THE BOX CUTOUTS FOR OUTLETS/DATA TO BE MOUNTED WITHIN THE MOUNT.

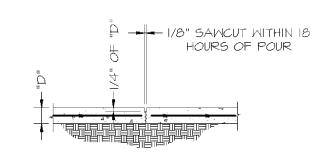
NEW 1 LAYER 5/8" GYPSUM WALLBOARD APPLIED PARALLEL TO EACH SIDE OF 3-5/8" STEEL STUDS 16" O.C WITH " TYPE S DRYWALL SCREWS 8" O.C. AT VERTICLE JOINTS AND 12" O.C. AT FLOOR/CEILING AND INTERMEDIATE STUDS. STAGGER JOINTS ON EACH SIDE AND OPPOSITE SIDES. NEW WALLS TO 3" ABV. CEILING, BRACED TO STRUCTURE INSTALL 3" MINERAL FIBER SOUND BATTS. NEW 1 LAYER 5/8" GYPSUM WALLBOARD APPLIED PARALLEL

TO EACH SIDE OF 6" STEEL STUDS 16" O.C WITH " TYPE S DRYWALL SCREWS 8" O.C. AT VERTICLE JOINTS AND 12" O.C. AT FLOOR/CEILING AND INTERMEDIATE STUDS. STAGGER JOINTS ON EACH SIDE AND OPPOSITE SIDES. NEW WALLS TO 3" ABV. CEILING, BRACED TO STRUCTURE INSTALL 3" MINERAL FIBER SOUND BATTS.

G.C. TO PROVIDE BLOCKING FOR ALL A.D.A. GRAB BARS AND FIXTURE / CABINET SUPPORTS

NEW SLAB THROUGHOUT TENANT SPACE.

UPON COMPLETION OF ALL UNDER SLAB ROUGH-INS AND APPROVED INSPECTIONS, TENANT GC SHALL BE RESPONSIBLE FOR NEW SLAB POUR THROUGHOUT TENANT SPACE. VIF EXACT DIMENSIONS AND LOCATION.



CONTROL JOINT

JOINT SPACING NOTE

PROVIDE CONTROL AND/OR CONSTRUCTION JOINTS AT EACH COLUMN LINE AND BETWEEN COLUMN LINES SUCH THAT THE JOINT SPACING DOES NOT EXCEED 20 FEET. THE SLAB AREA BETWEEN JOINTS SHALL NOT EXCEED 150 SQ.

SAW CONTROL JOINT NOTES

- MAKE SAW OUT AS SOON AS SLAB IS ABLE TO 2. WHERE POSSIBLE FILLER MATERIAL SHALL BE SUPPORT WEIGHT OF WORKERS AND SAWING EQUIPMENT WITHOUT DAMAGE TO FINISH SURFACE OF SLAB.
- ALL SAW CUT CONTROL JOINTS SHALL BE 'SOFT CUT' WITHIN 2 HOURS AFTER FINAL FINISHING.

3. CLEAN JOINT PRIOR TO FILLING THE JOINT.

JOINT FILLER MATERIAL NOTES

FILLER MATERIAL USED SHALL HAVE A MINIMUM SHORE A HARDNESS OF 35, AND SHALL CONFORM TO ASTM D2240. JOINT FILLER SHALL BE APPROVED BY ENGINEER PRIOR TO APPLICATION. APPROVED JOINT FILLER IS VULKEM 245 AS MANUFACTURED BY MAMECO INTERNATIONAL OR APPROVED EQ.

APPLIED WHEN BUILDING IS UNDER PERMANENT TEMPERATURE CONTROL. THIS SHALL BE EITHER AT THE END OF CONSTRUCTION OF THE COMPLETE BUILDING SHELL OR A MINIMUM OF 30 DAYS AFTER SLAB CONSTRUCTION.

S C A L E: 1/4"=1'-0"

3. FOLLOW STRICTLY THE MANUFACTURERS RECOMMENDED PROCEDURES FOR APPLYING

SLAB ON GRADE: 4" 3000 P.S.I. CONCRETE SLAB WITH 6X6 - W1.4 X W1.4 WWF OVER 6 MIL VAPOR BARRIER OVER WELL COMPACTED TERMITE TREATED CLEAN FILL. ALL CONCRETE WORK SHALL BE COMPLETED IN ACCORDANCE WITH SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS, ACI 301.08.

ALL CONCRETE WORK SHALL HAVE A SPECIFIED MINIMUM COMPRESSION STRENGTH OF 3,000 PSI AT 28 DAYS.

CONCRETE AGGREGATE SHALL BE 3/4" IN ACCORDANCE WITH ASTM C33. SUBMIT A MIX DESIGN TO AHJ PRIOR TO CONCRETE POUR.

PROVIDE 6 MIL VAPOR BARRIER OVER COMPACTED UPGRADE FOR SLAB ON GRADE. VAPOR BARRIER SHALL BE LAPPED A MINIMUM OF 6" IN DIRECTION OF CONCRETE POUR. CARE SHALL BE EXERCISED TO PREVENT DAMAGE OR RUPTURE OF BARRIER. WHERE COLUMNS, PIPE, CONDUIT ETC PENETRATE MEMBRANE, CUT AROUND PROJECTION AND SEAL WITH

SAW CONTROL JOINT NOTES

CLEAN JOINT PRIOR TO FILLING JOINT.

PROVIDE CONTROL AND OR CONSTRUCTION JOINTS AT EACH COLUMN LINE AND BETWEEN COLUMN LINES SUCH THAT THE JOINT SPACING DOES NOT EXCEED 20 FEET. THE SLAB AREA BETWEEN JOINTS SHALL NOT EXCEED 150 SQUARE FEET.

MAKE SAW CUT AS SOON AS SLAB IS ABLE TO SUPPORT WEIGHT OF WORKERS AND SAWING EQUIPMENT WITHOUT DAMAGE TO THE FINISH SURFACE OF THE SLAB.

ALL SAW CUT CONTROL JOINTS SHALL BE SOFT CUT WITHIN 2 HOURS OF FINAL FINISHING

JOINT FILLER MATERIALS NOTES FILLER MATERIAL USED SHALL HAVE A MINIMUM SHORE A HARDNESS OF 35, AND SHALL CONFORM TO ASTM D2240. JOINT FILLER SHALL BE APPROVED TO CONSTRUCTION

MANAGEMENT PRIOR TO APPLICATION. APPROVED JOINT FILLER IS VULKEM 245 AS MANUFACTURED BY MAMECO INTERNATIONAL OR EQUAL.

WHERE POSSIBLE FILLER MATERIAL SHALL BE APPLIED WHEN BUILDING IS UNDER PERMANENT TEMPERATURE CONTROL. THIS SHALL BE EITHER AT THE END OF CONSTRUCTION OF THE COMPLETE BUILDING SHELL OR AT A MINIMUM OF 30 DAYS AFTER SLAB CONSTRUCTION.

FOLLOW STRICTLY THE MANUFACTURERS RECOMMENDED PROCEDURES FOR APPLYING THE JOINT FILLER.

- G.C. SHALL FIELD VERIFY / INSPECT AND REPORT ON THE CONDITION OF EXISTING SHELL COMPONENTS. EXTERIOR WALLS, STOREFRONT, GLAZING DOORS ETC. WHERE EXISTING CONDITIONS WILL NOT MEET OR EXCEED NEW LEVEL OF FINISH; G.C. SHALL PROVIDE BID ALTERNATE FEE TO REPAIR, REFURBISH OR REPLACE EXISTING EXTERIOR COMPONENTS.
- G.C. SHALL FIELD VERIFY AND INSPECT INTERIOR SHELL COMPONENTS. ALL SHELL WALLS SHALL BE INSULATED WITH A MINIMUM OF R11 BATT INSULATION AND BE COVERED WITH 5/8" GYPSUM BOARD FINISHED TO A MINIMUM OF LEVEL 4 SMOOTHNESS. ROOF ASSEMBLY SHALL BE INSULATED WITH A MINIMUM OF R30. WHERE NOT EXISTING G.C. SHALL PROVIDE BID ALTERNATE FEE TO PROVIDE AND INSTALL.
- ALL FLOORS SHALL BE LEVELED. CLEANED AND PREPARED TO RECEIVE NEW FINISHES.
- ALL DIMENSIONS SHOWN ARE TO FACE OF FINISHED DRYWALL.

FINISH SMOOTH, READY TO RECEIVE NEW FLOORING.

Plans

- SEE ELEVATION SHEETS FOR ADDITIONAL INFORMATION REGARDING FRAMING AND BLOCKING REQUIREMENTS.
- G.C. SHALL ENSURE ALL SUBCONTRACTORS BIDDING VISIT SITE PRIOR TO BIDDING. G.C. WILL BE RESPONSIBLE FOR ALL EXISTING CONDITIONS MEETING OR EXCEEDING THOSE DEPICTED WITHIN THE PLAN SET. WHERE CONDITIONS ARE NOT AS SHOWN. G.C. SHALL INCLUDE A BID ALTERNATE FEE TO ENSURE EXISTING CONDITIONS MEET OR EXCEED THE INTENT OF THE

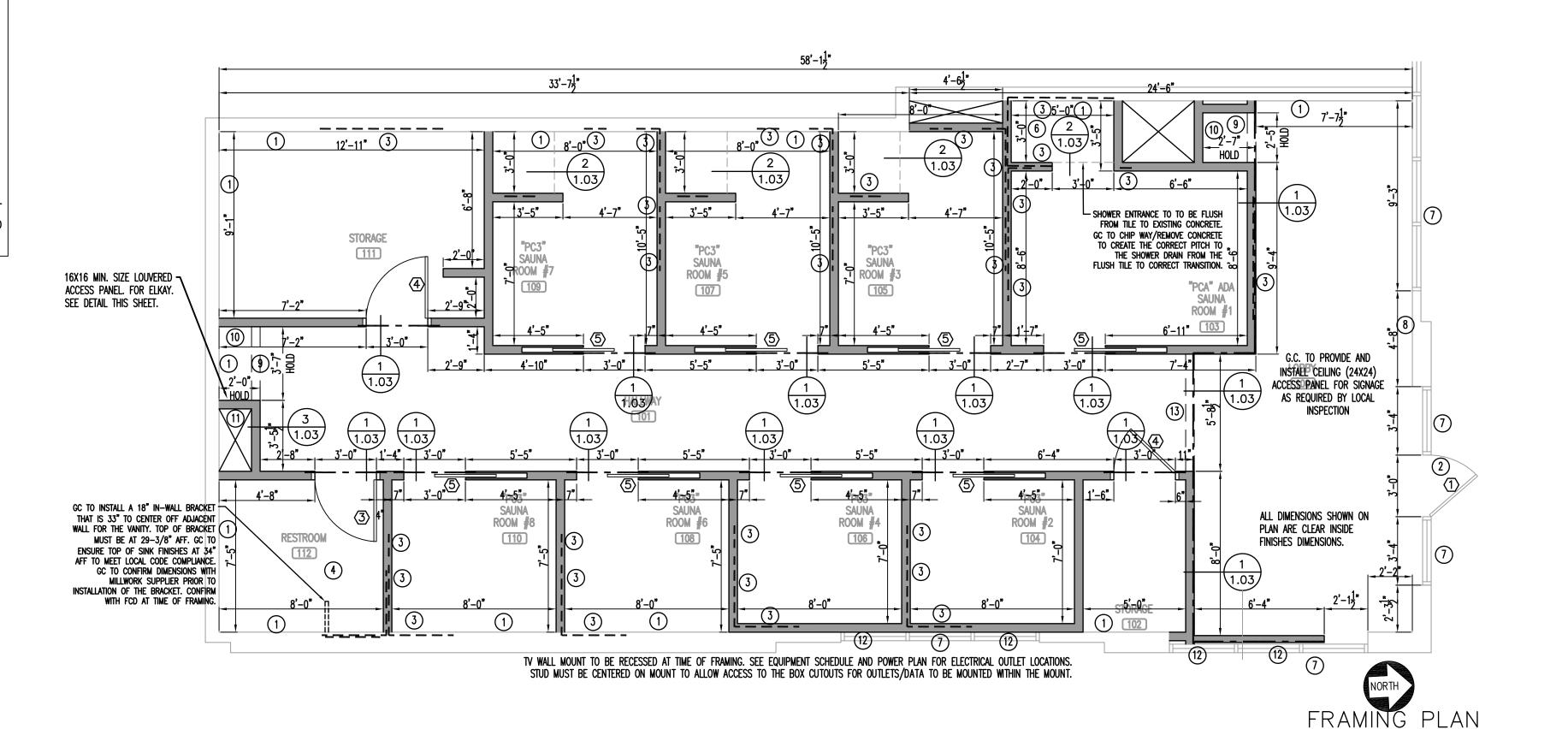
G.C. SHALL BE RESPONSIBLE FOR PLUMBING TRENCHES (CORING AS REQUIRED) AND

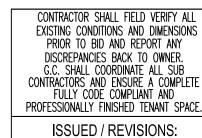
REPOUR OF FLOOR. DOWEL AND POUR BACK EQUAL TO OR BETTER THAN EXISTING SLAB.

- (1) EXISTING DEMISING WALL TO BE FINISHED TO LEVEL 4 READY FOR PAINT. TENANT SIDE ONLY. MAINTAIN EXISTING FIRE RATING (IF ANY).
- (2) WHERE EXISTING EXTERIOR DOORS ARE REUSED. REFURBISH TO LIKE NEW CONDITION, COMPLETE WITH ALL REQUIRED COMPONENTS; SWEEP, WEATHER STRIPPING, THRESHOLD ETC. WHERE NECESSARY BASED ON EXISTING CONDITION G.C. SHALL REPLACE WITH ALL NEW. ALL HARDWARE TO MEET OR EXCEED ALL CODE AND ACCESSIBILITY REQUIREMENTS. FINAL INSTALLATION
- PROFESSIONAL INSTALLATION AS NEW. 3 SEE ELEVATIONS FOR ADDITIONAL BLOCKING REQUIREMENTS. G.C. SHALL COORDINATE WITH FCD TO ENSURE ALL BLOCKING IS IN PLACE AND READY FOR

SHALL BE COMPLETE, OPERABLE AND CODE COMPLIANT, ACCESSIBLE,

- INSTALLATION OF CABINETS AND SHELVING. (4) WALL TO BE 5/8" MOISTURE/MOLD RESISTANT GYP. ALL WALLS IN TOILET ROOMS. (5) NOT USED
- (6) INSTALL FIRE TREATED 2X8 BLOCKING CAPABLE OF HOLDING A MINIMUM OF 300 LBS FOR GRAB BAR INSTALLATION.
- (7) G.C. SHALL INSPECT AND REPORT CONDITION OF EXISTING EXTERIOR COMPONENTS; STOREFRONT / DOORS / GLAZING ETC. WHERE EXISTING WILL NOT MEET OR EXCEED NEW LEVEL OF FINISH, G.C. SHALL PROVIDE BID ALTERNATE COST LINE ITEM WITHIN BID TO REPAIR / REFURBISH / REPLACE EXISTING EXTERIOR
- (8) FRAMING NOTE: INCLUDE 24"X24" CEILING ACCESS PANELS IN LOBBY. LOBBY CEILING ACCESS PANEL TO BE LOCATED FOR EXTERIOR SIGN VENDOR TO GAIN ACCESS TO INSIDE OF STOREFRONT FOR ANY FINAL WIRE CONNECTION OR MAINTENANCE NEEDED LATER TO THE E.C. JUNCTION BOX FOR THE EXTERIOR SIGN. COORDINATE FINAL LOCATION IN FIELD (9) HEADER ABOVE OPENING AT 7'-3" AFF.
- (10) SEE CEILING PLAN RCP FOR DRYWALL CEILING HEIGHT FRAMING.
- 11) COORDINATE IN FIELD FOR INSTALLATION OF VENTILATED ACCESS PANEL TO WATER ' Machine.) where wall is installed in front of existing window; coordinate with TENANT FOR LANDLORD APPROVED OPAQUE FILM AND OR GRAPHICS. INSTALL PRIOR TO INSTALLATION OF NEW WALLS. WALLS TO BE 3" ABOVE CEILING TO ALLOW FOR
- AIR FLOW FROM FACE OF GLASS TO CEILING SPACE. (13) HEADER ABOVE OPENING AT 7'-0" AFF.





CONTRACTORS AND ENSURE A COMPLETE PROFESSIONALLY FINISHED TENANT SPACE.

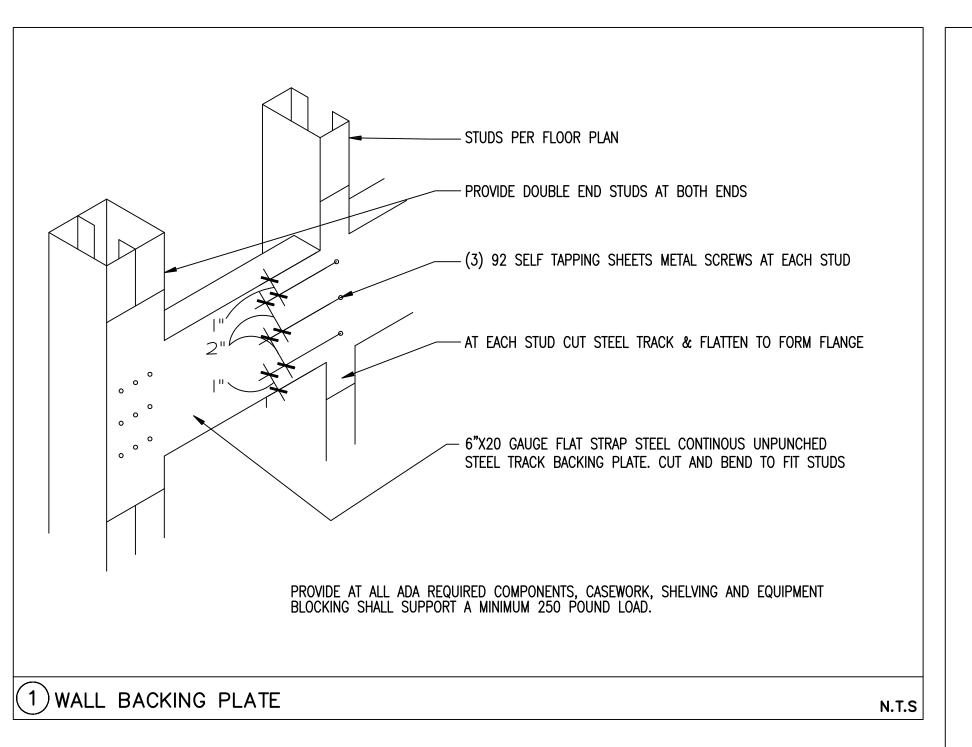


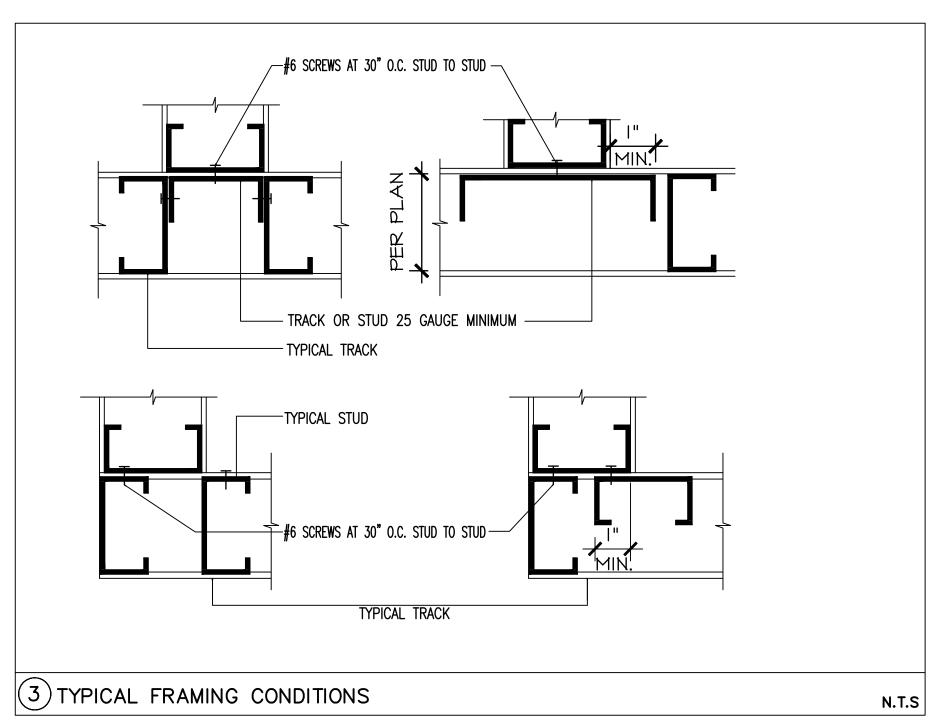
-9 0 α 9

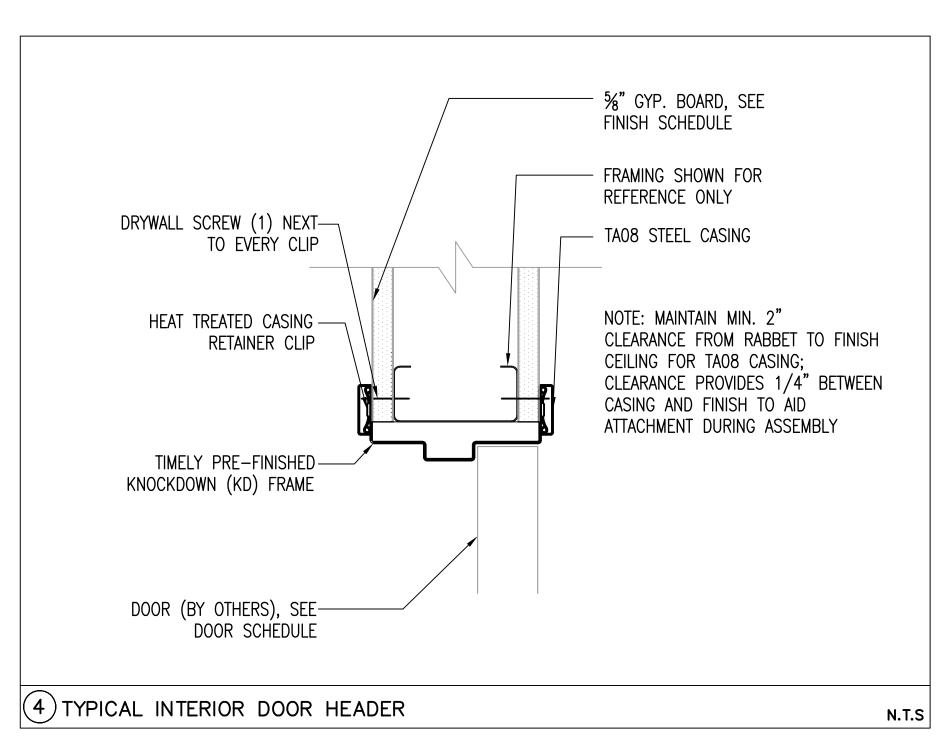
CHECKED BY: Staff DRAWN BY: Staff JUNE 17, 2024 PER PLAN SCALE: PROJECT No.: PSS 2417 **Ⅲ** SHEET TITLE

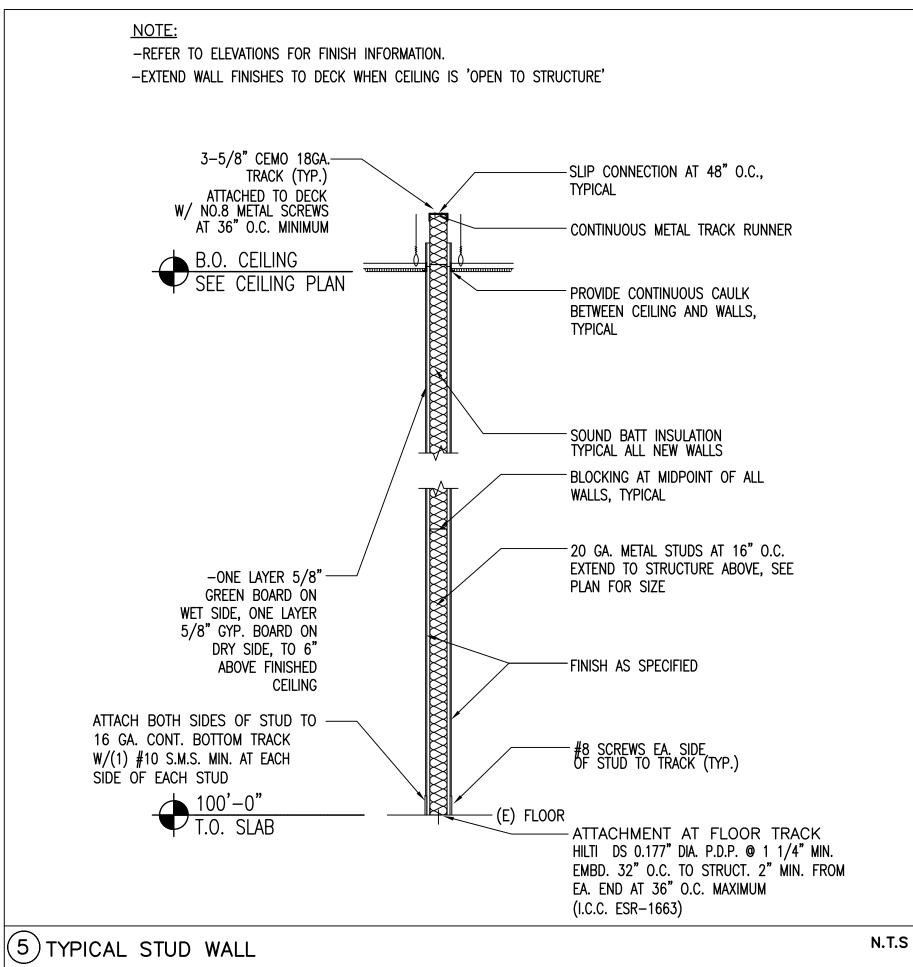
FRAMING PLAN & **DETAILS**

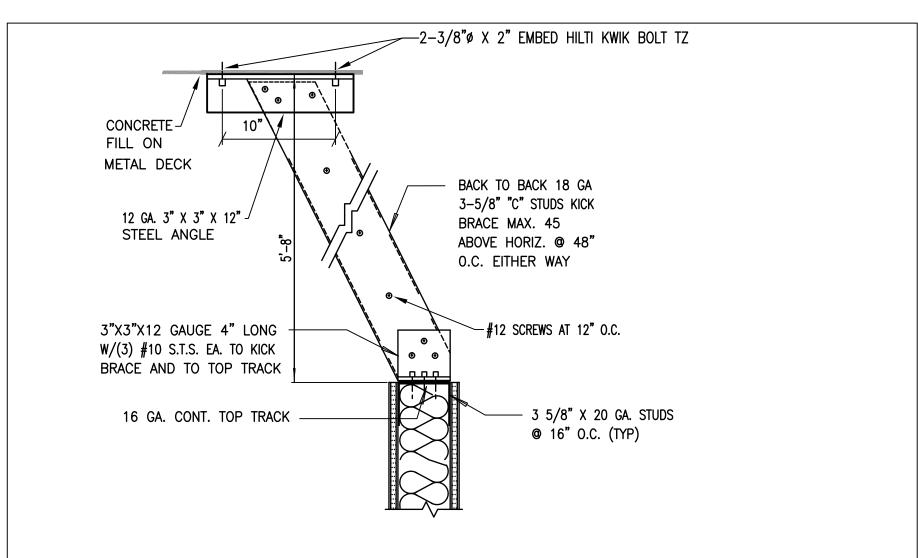
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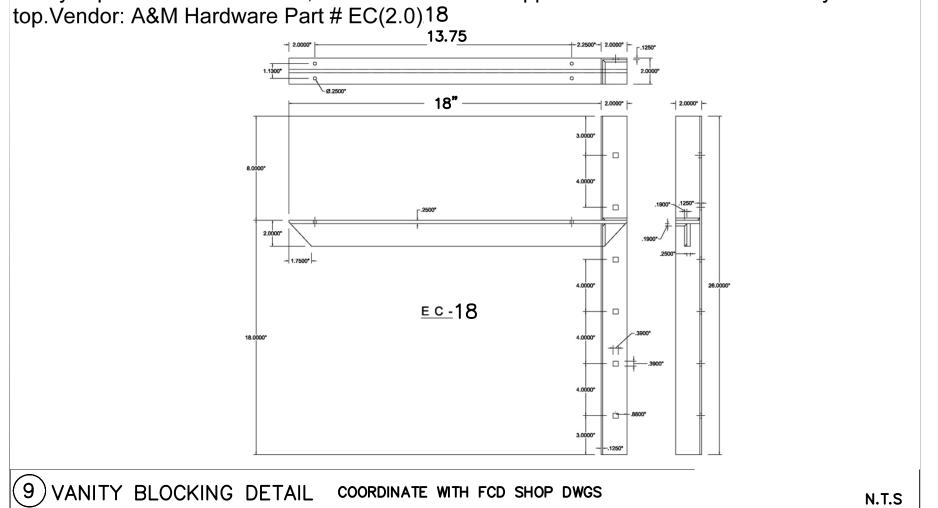


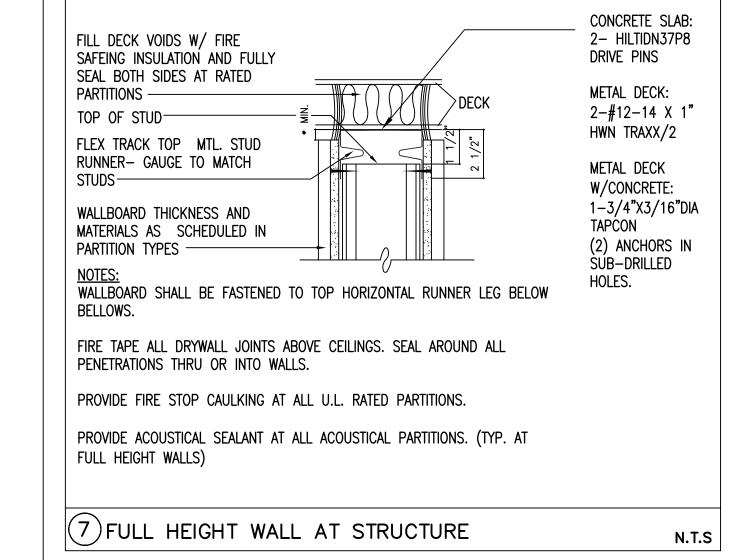




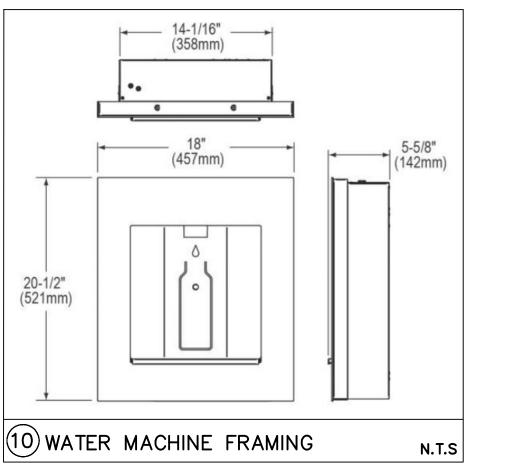
GC to furnish and install the heavy duty vanity support during framing Bracket required to be mounted to the stud within the wall prior to GYP and tile to support the floating end of the vanity. Upon fixture installation, GC to connect the support the underside of the vanity counter top. Vendor: A&M Hardware Part # EC(2.0)18

(6) TYPICAL WALL BRACING





NON BEARING STUD SIZES A	AT 16" O.C. WITH FLEXIBLE ([DRYWALL) FINISH (L/120)
STUD SIZE MAXIMU	M FLANGE BRACE SPACING	ALLOWABLE HEIGHT
362WCS20	2'-6"	11'-0"
4WCS20	2'-6"	12'-0"
6WCS20	3'-0"	17'-0"
NON BEARING STUD SIZES A	AT 16" O.C. WITH BRITTLE (TII	LE) FINISH (L/360)
STUD SIZE MAXIMU	M FLANGE BRACE SPACING	ALLOWABLE HEIGHT
362WCS20	2'-6"	16'-0"
4WCS20	2'-6"	18'-0"
6WCS20	3'-0"	20'-0"
	S AT 16" O.C. WITH ONE LAY UOUS LATERAL SUPPORT OF (12'-7" 17'-6"	ER GYP. BOARD (10LB/SF TOTAL LOAD
JOIST SIZE CONTINI 6WCS20 8WCS18	UOUS LATERAL SUPPORT OF (12'-7" 17'-6"	·
JOIST SIZE CONTINI 6WCS20	UOUS LATERAL SUPPORT OF (12'-7" 17'-6"	·
JOIST SIZE CONTINI 6WCS20 8WCS18 ALLOWABLE BRACED LENGTH MAXIMUM STUD HEIGHT	UOUS LATERAL SUPPORT OF (12'-7" 17'-6" S STUD TYPE	COMPRESSION FLANGE
JOIST SIZE CONTINI 6WCS20 8WCS18 ALLOWABLE BRACED LENGTH MAXIMUM STUD HEIGHT 9'-0"	UOUS LATERAL SUPPORT OF (12'-7" 17'-6"	COMPRESSION FLANGE SPACING
JOIST SIZE CONTINI 6WCS20 8WCS18 ALLOWABLE BRACED LENGTH MAXIMUM STUD HEIGHT 9'-0" 10'-0"	UOUS LATERAL SUPPORT OF (12'-7" 17'-6" S STUD TYPE 3-\frac{5}{8}"X25 GA	SPACING 16" OR 24" O.C.
JOIST SIZE CONTINI 6WCS20 8WCS18 ALLOWABLE BRACED LENGTH MAXIMUM STUD HEIGHT 9'-0" 10'-0" 12'-0"	UOUS LATERAL SUPPORT OF (12'-7" 17'-6" S STUD TYPE 3-\frac{5}{8}"X25 GA 3-\frac{5}{8}"X20 GA	SPACING 16" OR 24" O.C. 16" OR 24" O.C.
JOIST SIZE CONTINI 6WCS20 8WCS18 ALLOWABLE BRACED LENGTH MAXIMUM STUD HEIGHT 9'-0" 10'-0" 12'-0" 16'-0" 18'-0"	12'-7" 17'-6" S STUD TYPE 3-\frac{5}{8}"\text{X25 GA} GA 3-\frac{5}{8}"\text{X20 GA} GA 3-\frac{5}{8}"\text{X20 GA} GA 3-\frac{5}{8}"\text{X20 GA} GA 3-\frac{5}{8}"\text{X20 GA}	SPACING 16" OR 24" O.C. 16" OR 24" O.C. 16" OR 24" O.C. 16" O.C. 16" O.C.
JOIST SIZE CONTINI 6WCS20 8WCS18 ALLOWABLE BRACED LENGTH MAXIMUM STUD HEIGHT 9'-0" 10'-0" 12'-0" 16'-0" 18'-0" 20'-0"	UOUS LATERAL SUPPORT OF (12'-7" 17'-6" S STUD TYPE 3-\frac{5}{8}"X25 GA 3-\frac{5}{8}"X20 GA 3-\frac{5}{8}"X20 GA 3-\frac{5}{8}"X20 GA	SPACING 16" OR 24" O.C. 16" OR 24" O.C. 16" OR 24" O.C. 16" OR 24" O.C.
JOIST SIZE CONTINI 6WCS20 8WCS18 ALLOWABLE BRACED LENGTH MAXIMUM STUD HEIGHT 9'-0" 10'-0" 12'-0" 16'-0" 18'-0" 20'-0" 24'-0"	12'-7" 17'-6" S STUD TYPE 3-\frac{5}{8}"\text{X25 GA} GA 3-\frac{5}{8}"\text{X20 GA} GA 3-\frac{5}{8}"\text{X20 GA} GA 3-\frac{5}{8}"\text{X20 GA} GA 6"\text{X20" GA} GA	SPACING 16" OR 24" O.C. 16" OR 24" O.C. 16" OR 24" O.C. 16" O.C. 16" O.C. 16" O.C. 16" O.C. 16" O.C.
JOIST SIZE CONTINI 6WCS20 8WCS18 ALLOWABLE BRACED LENGTH MAXIMUM STUD HEIGHT 9'-0" 10'-0" 12'-0" 16'-0" 18'-0" 20'-0" 24'-0"	UOUS LATERAL SUPPORT OF (12'-7" 17'-6") S STUD TYPE 3-\frac{5}{8}"\text{"}\text{X25 GA} \\ 3-\frac{5}{8}"\text{X20 GA} \\ 3-\frac{5}{8}"\text{X20 GA} \\ 3-\frac{5}{8}"\text{X20 GA} \\ 3-\frac{5}{8}"\text{X20 GA} \\ 6"\text{X20" GA} \\ 6"\text{X20" GA} \\ 6"\text{X20" GA} \\ 6"\text{X20" GA} \\ 6"\text{X318" GA}	SPACING 16" OR 24" O.C. 16" OR 24" O.C. 16" O.C.
JOIST SIZE CONTINI 6WCS20 8WCS18 ALLOWABLE BRACED LENGTH MAXIMUM STUD HEIGHT 9'-0" 10'-0" 12'-0" 16'-0" 20'-0" 24'-0" 30'-0"	12'-7" 17'-6" S STUD TYPE 3-\frac{5}{8}"\text{X25 GA} GA 3-\frac{5}{8}"\text{X20 GA} GA 3-\frac{5}{8}"\text{X20 GA} GA 3-\frac{5}{8}"\text{X20 GA} GA 6"\text{X20" GA} 6"\text{X20" GA} 6"\text{X20" GA} 6"\text{X18" GA} 6"\text{X18" GA} 6"\text{X16" GA}	SPACING 16" OR 24" O.C. 16" OR 24" O.C. 16" OR 24" O.C. 16" O.C. 16" O.C. 16" O.C. 16" O.C. 16" O.C. 16" O.C. 24" O.C.
JOIST SIZE CONTINI 6WCS20 8WCS18 ALLOWABLE BRACED LENGTH	UOUS LATERAL SUPPORT OF (12'-7" 17'-6") S STUD TYPE 3-\frac{5}{8}"\text{"}\text{X25 GA} \\ 3-\frac{5}{8}"\text{X20 GA} \\ 3-\frac{5}{8}"\text{X20 GA} \\ 3-\frac{5}{8}"\text{X20 GA} \\ 3-\frac{5}{8}"\text{X20 GA} \\ 6"\text{X20" GA} \\ 6"\text{X20" GA} \\ 6"\text{X20" GA} \\ 6"\text{X20" GA} \\ 6"\text{X318" GA}	SPACING 16" OR 24" O.C. 16" OR 24" O.C. 16" O.C.



N.T.S

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

1LC 64-2886 --5100 mrengineers.com

3 (Mailing) Fax (606)–364–2886 Fax (606)–364–5100 F

ENGINEERING AND ENGINEERING AND Pho Box 213 (Mailing) Fax 4236 HWY 3630 E-I Annville, KY 40402 Wel



PEBSPIBE SAUNA STUDIO

830 SKY VISTA PO SUITE 100 COLORADO SPRIN

CHECKED BY: Staff

DRAWN BY: Staff

DATE: JUNE 17, 2024

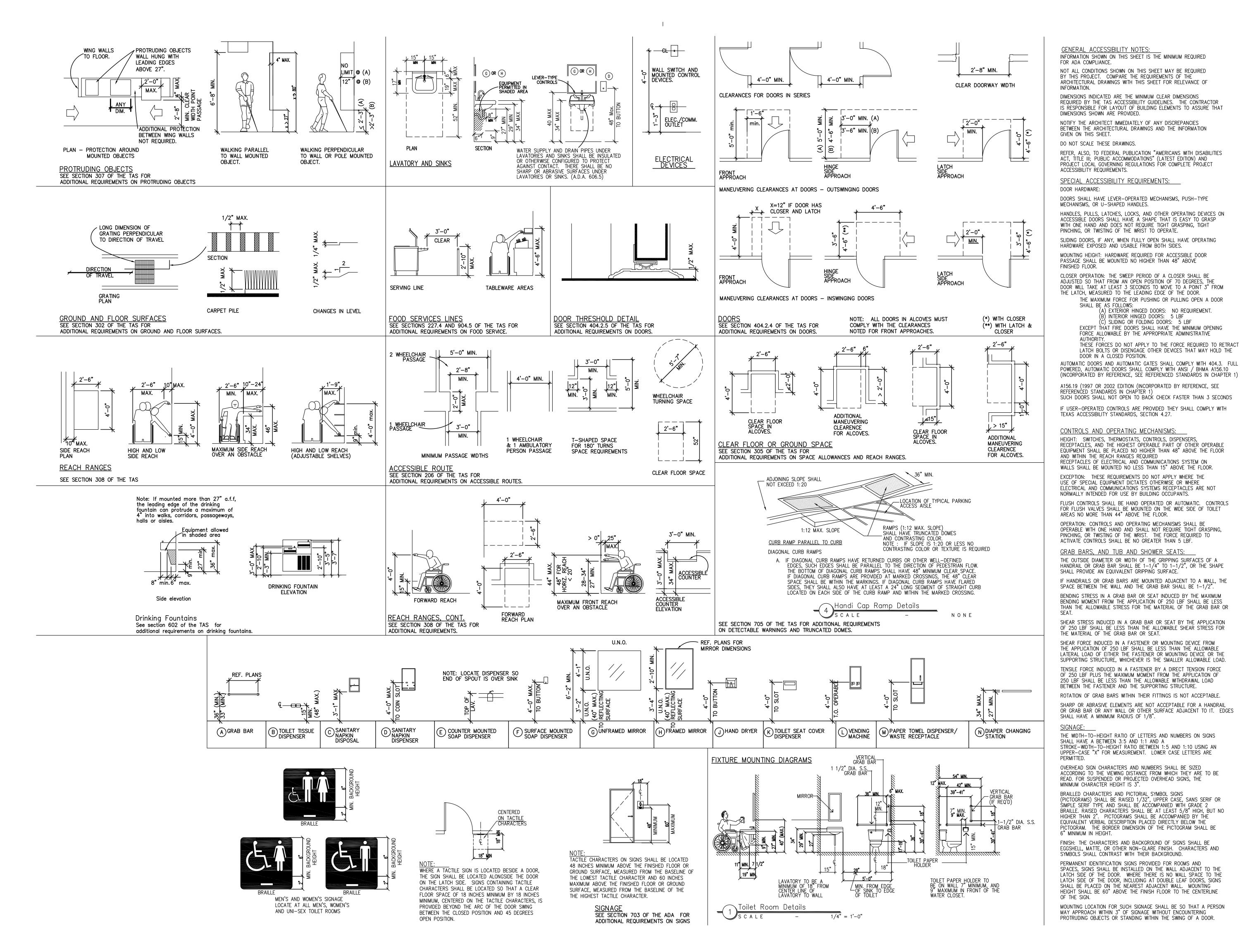
SCALE: PER PLAN

PROJECT No.: PSS 2417

SHEET TITLE

FRAMING DETAILS

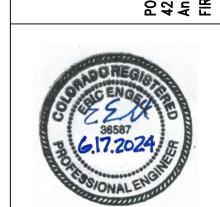
HEET No.



EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

CONTRACTOR SHALL FIELD VERIFY ALL



B 4 5 B \Box

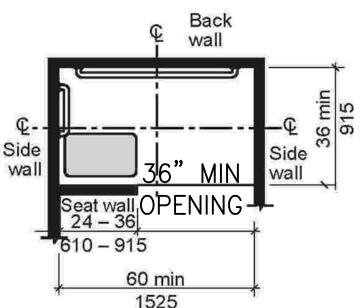
830 SKY VIST SUITE 100 COLORADO 000 000 000 000 000

CHECKED BY: Staff DRAWN BY: Staff JUNE 17, 2024 PER PLAN SCALE: PROJECT No.: PSS 2417 Ш∣ SHEET TITLE

ACCESSIBLE DETAILS

608.2.3 Alternate roll-in-type shower compartments. Alternate roll-in-type shower compartments shall comply with Section 608.2.3.

608.2.3.1 Size. Alternate roll-in shower compartments shall have a clear inside dimension of 60 inches (1525 mm) minimum in width, and 36 inches (915 mm) in depth, measured at the center point of opposing sides. An entry 36 inches (915) mm) minimum in width shall be provided at one end of the 60-inch (1525 mm) width of the compartment. A seat wall, 24 inches (610 mm) minimum and 36 inches (915 mm) maximum in length, shall be provided on the entry side of the compartment.



Note: inside finished dimensions measured at the center points of opposing sides

FIGURE 608.2.3.1 ALTERNATE ROLL-IN-TYPE SHOWER COMPARTMENT SIZE 608.2.3.2 Seat. A folding seat complying with Section 610 shall be provided on the seat wall opposite the back

Exception: A seat is not required to be installed in a shower for a single occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of a shower seat.

608.3 Grab bars. Grab bars shall comply with Section 609 and shall be provided in accordance with Section 608.3. Where multiple grab bars are used, required horizontal grab bars shall be installed at the same height above the floor.

Exception: Grab bars shall not be required to be installed in a shower for a single occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with Section 608.3.

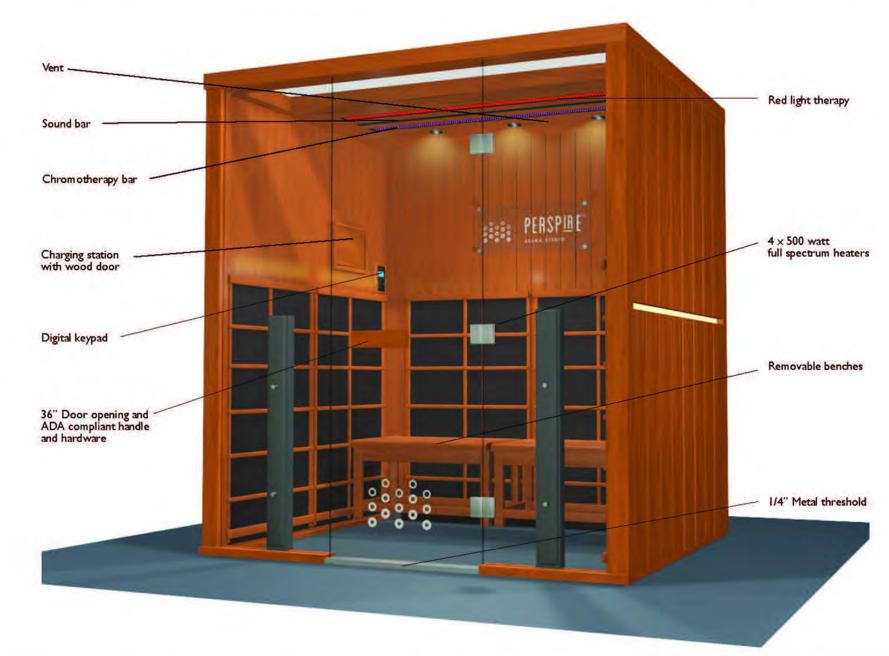
608.3.1 Transfer-type showers. Grab bars for transfer type showers shall comply with Section 608.3.1.

608.3.1.1 Horizontal grab bars. Horizontal grab bars shall be provided across the control wall and on the back wall to a point 18 inches (455 mm) from the control wall.

608.3.1.2 Vertical grab bar. A vertical grab bar 18 inches (455 mm) minimum in length shall be provided on the control end wall 3 inches (75 mm) minimum and 6 inches (150 mm) maximum above the horizontal grab bar, and 4 inches (100 mm) maximum inward from the front edge of the shower.







ENHANCED AUDIO SOUND

to connect and listen to your audio

DIGITAL KEYPAD CONTROLS

temperature, time, lights, heater intensity and reservation mode. comes standard with our healing Chromotherapy.

COLOR LIGHT THERAPY

CONTROL (optional)

Android tablet or smartphone and remotely operate your

CONSTRUCTION Cedar inside/outside Tongue & Groove Construction 2 × heavy duty removable basswood benches with solid wood top Weight: 680 lbs

EXTERIOR Width: 77" (195cm) Depth: 64.5" (122cm)

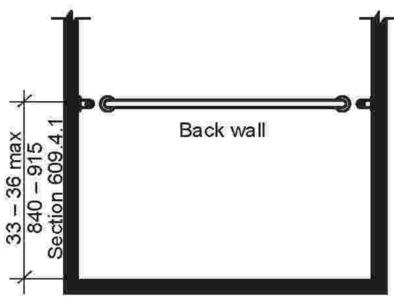
HEATERS 4 × 500 watt full spectrum heaters 170°F / 76°C max temperature

ELECTRICAL 208v/20 amp outlet required (voltage to be specified at time of order)

TABLET / SMARTPHONE

www.perspiresaunastudio.com

ACCESSIBLE SAUNA LOCATION IS SAUNA ROOM 1, ROOM 103



GRAB BARS IN ALTERNATE ROLL-IN-TYPE

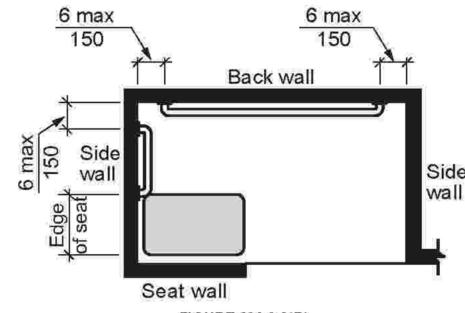
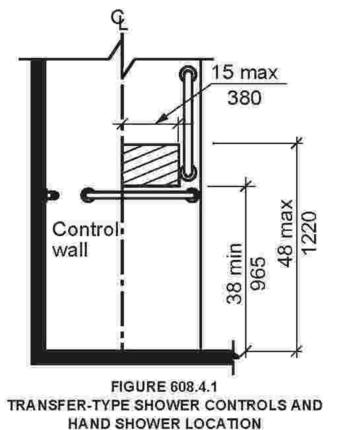


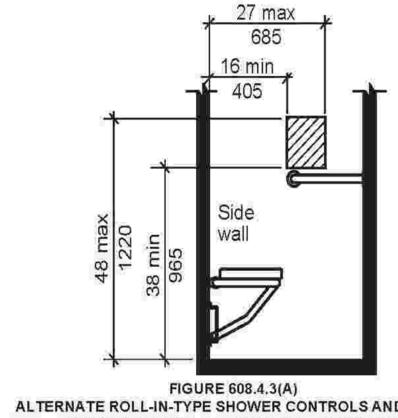
FIGURE 608.3.3(B) GRAB BARS IN ALTERNATE ROLL-IN-TYPE SHOWER - PLAN

608.4 Centrels and hand showers. Controls and hand showers shall comply with Sections 608.4 and 309.4.

608.4.1 Transfer-type showers. In transfer-type showers, the controls and hand shower shall be located:

- 1. On the control wall opposite the seat.
- 2. At a height of 38 inches (965 mm) minimum and 48 inches (1220 mm) maximum above the shower floor, and
- 3. 15 inches (380 mm) maximum, from the centerline of the control wall toward the shower opening.





ALTERNATE ROLL-IN-TYPE SHOWER CONTROLS AND HAND SHOWER LOCATION - END WALL - ELEVATION

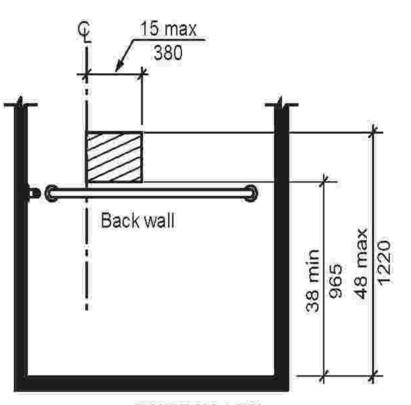


FIGURE 608.4.3(B) ALTERNATE ROLL-IN-TYPE SHOWER CONTROLS AND HAND SHOWER LOCATION - CONTROL WALL - ELEVATION

608.5 Hand showers. A hand shower with a hose 59 inches (1500 mm) minimum in length, that can be used both as a fixed shower head and as a hand shower, shall be provided. The hand shower shall have a control with a nonpositive shut-

ROOM #3

105

ROOM # 107

POSLIDING POCKET DOOR INSTALLED

SAUNWITH ACCESSIBLE/GRASPABLEAUNA

108ANSI A1 7.1 404.2.2(B). MIN 132"

ACTION EGRESS SLIDING DOOR

HARDWARE TYPICAL OF ALL.

CLEAR OPENING WHEN DOOR IS IN OPEN POSITION. ACCURATE LOCK

SL9100ADA SELF LATCHING, SINGLE

ROOM HARDWARE INSTALLED TO MEETM :

HALLWAY

 $1015'-8\frac{1}{2}$

off feature. Where provided, an adjustable-height hand shower mounted on a vertical bar shall be installed so as to not obstruct the use of grab bars. A means to hold the hand shower wand while in the on or off position shall be located at a height of 38 inches (965 mm) minimum and 48 inches (1220 mm) maximum above the shower finish floor.

Exception: In other than Accessible units and Type A units, a fixed shower head located 48 inches (1220 mm) maximum above the shower floor shall be permitted in lieu of a hand shower.

608.6 Thresholds. Thresholds in roll-in-type shower compartments shall be 1/2 inch (13 mm) maximum in height in accordance with Section 303. In transfer-type shower compartments, thresholds 1/2 inch (13 mm) maximum in height shall be beveled, rounded, or vertical.

Exception: In existing facilities, in transfer-type shower compartments where provision of a threshold $\frac{1}{2}$ inch (13) mm) in height would disturb the structural reinforcement of the floor slab, a threshold 2 inches (51 mm) maximum in height shall be permitted.

608.7 Shower enclosures. Shower compartment enclosures for shower compartments shall not obstruct controls or obstruct transfer from wheelchairs onto shower seats.

608.8 Water temperature. Showers shall deliver water that is 120°F (49°C) maximum.

REACH RANGES, OPERABLE

PARTS WILL NOT EXCEED 48" TO THE TOP. SAUNA CONTROLS, DIGITAL

KEY PAD AND CHARGING STATION MEET CBC SEC 11B-308 AND 309. SAUNA CONTROLS ARE ACCESSIBLE PER ANSI A117.1-308 AND 309 REACH RANGES,

OPERABLE PARTS.

ACCESSIBLE

DETAILS THIS

SHEET

SAUNA

ROOM #1

ACCESSIBILITY

S C A L E: 1/4"=1'-0"

ACCESSIBLE

TRANSACTIONS

THRESHOLD AT SAUNA SAUNA. SEE

STORAGE

ENTRY IS 1/4"

"PC3"

SAUNA ROOM #2

104

CONTRACTOR SHALL FIELD VERIFY ALL

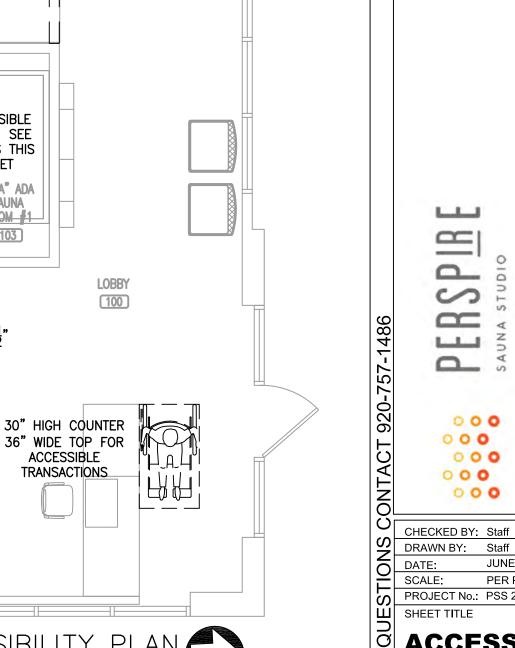
EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY

DISCREPANCIES BACK TO OWNER.

G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND

PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

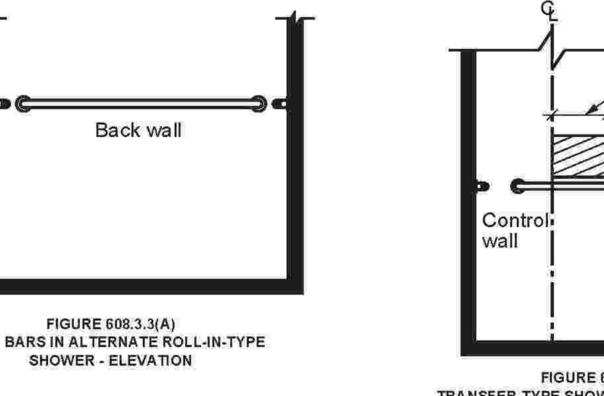


PROJECT No.: PSS 2417

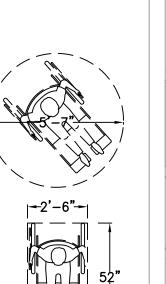
Ш SHEET TITLE **ACCESSIBLE** PLAN

JUNE 17, 2024 PER PLAN

1.06



G.C. SHALL BE RESPONSIBLE FOR ACQUIRING AND INSTALLING NEW TACTILE EXIT SIGNS. A TACTILE SIGN STATING EXIT AND COMPLYING WITH CHAPTER 11 OR BUILDING CODE SHALL BE PROVIDED ADJACENT TO EACH |--2'-6"--| DOOR TO AN AREA OF REFUGE AN EXTERIOR AREA FOR ASSISTED RESCUE, AN EXIT STAIRWAY, AN EXIT RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. SEE CHAPTER 7 OF ACCESSIBILITY CODE.



STORAGE 111

SAUNA

ROOM #7

SAUNA ROOM #8

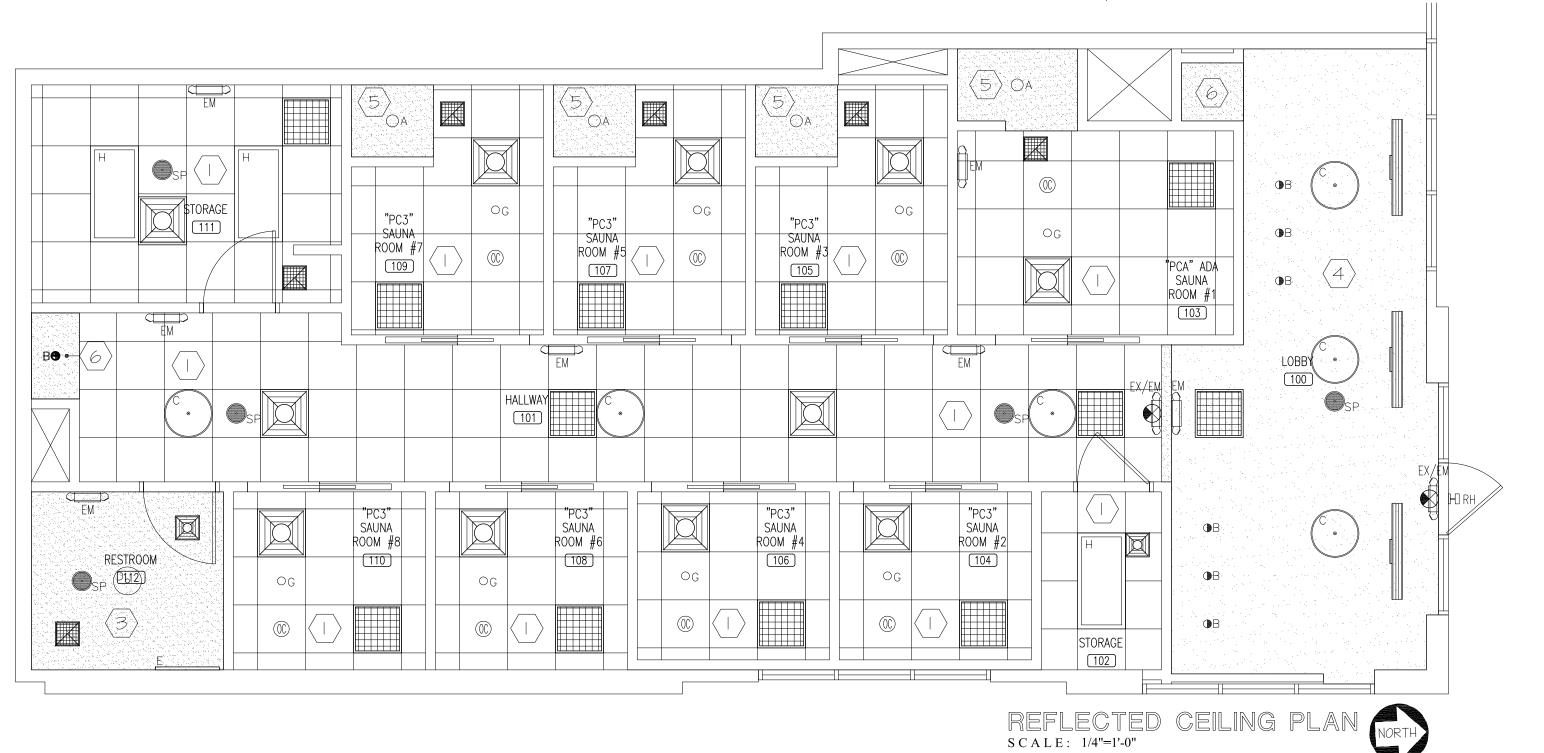
+11'-0" AFF IN GRID 4" RECESSED WALLWASHER +11'-0" AFF 24" DRUM LIGHT +8'-11" AFF. INSTALL WITH (1) 12" ROD SUPPLIED BY MANUFACTURER. 14" DRUM LIGHT +7'-3" AFF WALL MIRROR (BACKLIT) +3'-2" AFF TO BOTTOM OF MIRROR EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP MOUNT BOTTOM OF FIXTURE 8'-0" AFF EMERGENCY LIGHT REMOTE EXTERIOR HEAD EXIT SIGN DIRECTIONAL EXIT SIGN EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP AND EXIT SIGN. MOUNT 12" ABOVE DOOR CEILING MOUNTED SPEAKER, TRIM TO MATCH SURFACE PROVIDED BY OWNER, INSTÁLLED BY G.C. FULLY CONCEALLED SPRINKLER HEAD 24"X24" SUPPLY AIR DIFFUSER 12"X12" SUPPLY AIR DIFFUSER EXHAUST FAN ARMSTRONG, DUNE 1775, TEGULAR 24"X24"X5/8"
MOUNTED AT 11'-0". SUPRAFINE XL 9/16" GRID, FACTORY WHITE 24"X24" RETURN AIR GRILL 2 ARMSTRONG, DUNE 1775, TEGULAR 24"X24"X5/8" MOUNTED AT 8'-0". SUPRAFINE XL 9/16" GRID, FACTORY WHITE SUPPLY AIR SLOT DIFFUSER CEILING MOUNTED RAIN SHOWER HEAD

6" RECESSED DOWN LIGHT DAMP LOCATION

REFLECTED CEILING LEGEND

NOT ALL FIXTURES ARE NOT NECESSARILY IN USE. LIGHT SWITCHES/CONTROLS TO BE IF CEILING HEIGHT, DUE TO SITE CONDITIONS, IS NOT ATTAINABLE, MOUNTED AT 48" A.F.F. TO TOP OF CONTROL. LIGHT FIXTURES, OCCUPANCY SENSORS AND FLUORESCENT DIMMER SUPPLIED BY REFER TO FINISH SCHEDULE FOR CEILING FINISH SPECIFICATIONS.

WALL MIRROR BY FCD, INSTALLED BY GC/EC



LIGHTING

USE PLANS FIXTURE SCHEDULE

SPEAKERS — 5 TOTAL WITHIN SUITE

3 GYPSUM BOARD CEILING - PT3

4 GYPSUM BOARD CEILING - PT1 MOUNTED AT 11'-0"

5 GYPSUM BOARD CEILING - PT1 MOUNTED AT 8'-0"

6 GYPSUM BOARD CEILING - PT1 MOUNTED AT 7'-3"

ALL FINISHES ARE NOT NECESSARILY IN USE.

GC TO DISCUSS FINISHED HEIGHT WITH CONSTRUCTION MANAGER.

MOUNTED AT 11'-0"

PROVIDED BY OWNER & INSTALLED BY GC

INSTALLED BY GC/EC

• ALL FIXTURES, SENSORS, AND DIMMERS ARE SUPPLIED AND

 SPEAKER WIRE CONNECTS TO OWNER SUPPLIED AMPLIFIER LOCATED AT THE PHONE BOARD. GC TO PROVIDE A WIRE IT SHELF AT THE PHONE BOARD FOR THE AMPLIFIER. TENANT TO

CONFIRM PLACEMENT OF THE AMPLIFIER IN THE FIELD. ALL GRILLES AND DIFFUSERS TO BE FACTORY WHITE.

CEILING COVERING

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE. ISSUED / REVISIONS:



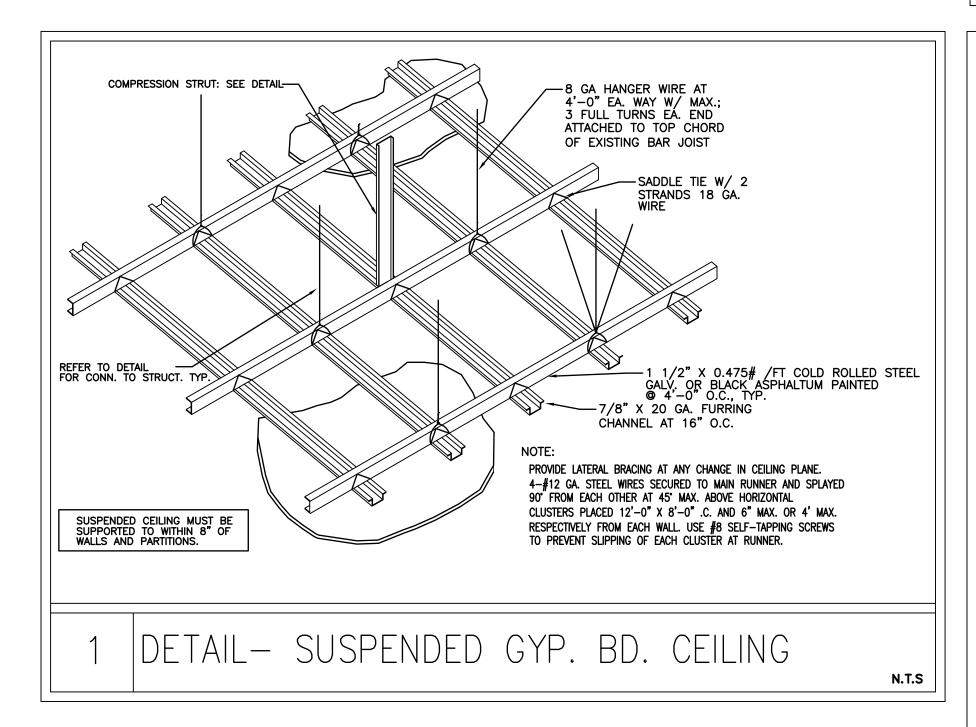
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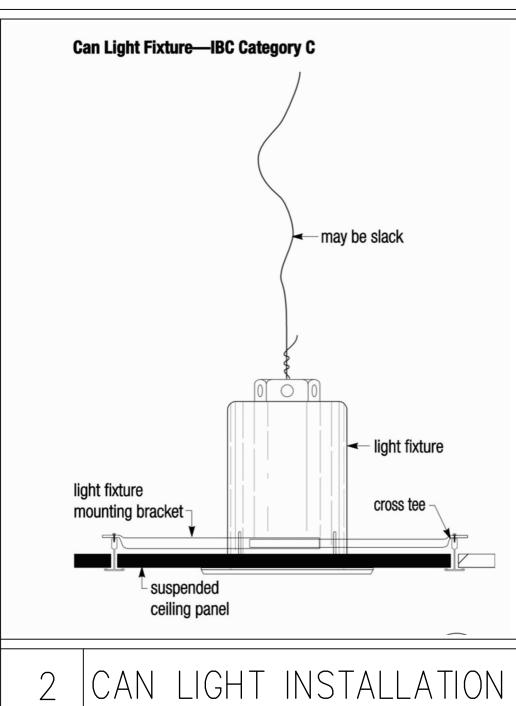
830 SKY VIST SUITE 100 COLORADO 8 000 000 000 000

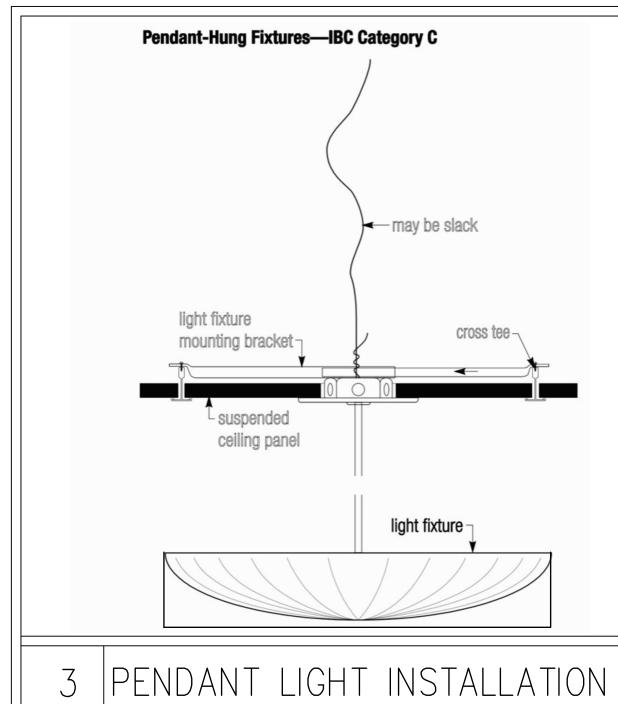
CHECKED BY: Staff
DRAWN BY: Staff JUNE 17, 2024 PER PLAN PROJECT No.: PSS 2417 SHEET TITLE

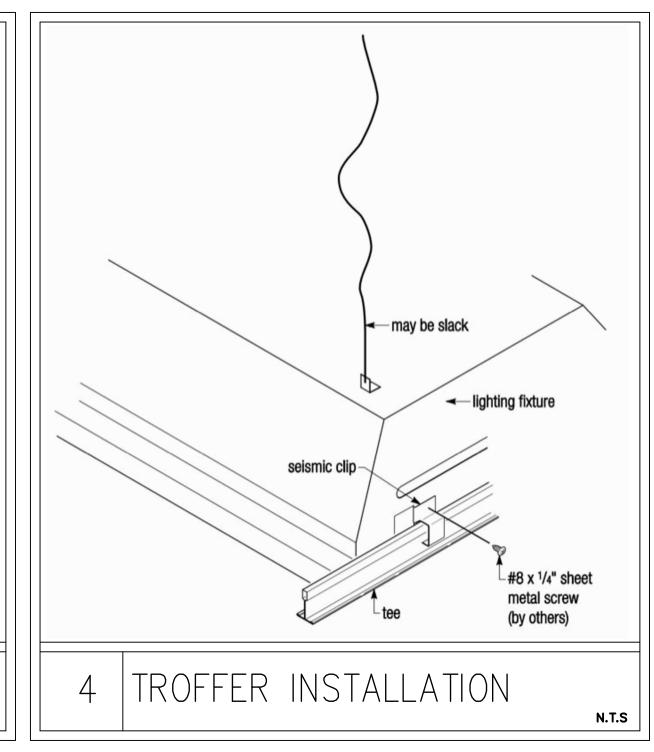
REFLECTED CEILING PLAN

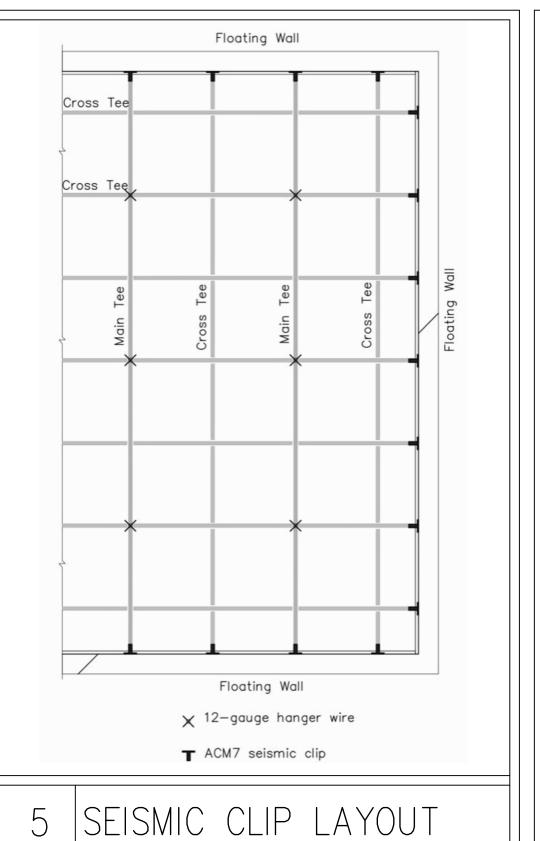
SEISMIC APPLICATION	REQUIR	REMENTS		NOTE: INTERIO	R PARTITIONS	S CANNOT BE CONNECTED TO CEILING GRID.	
BASIC CONNECTIONS PERIMETER AND LATERAL SPLAY BRACING	IBC CATAGORY	BASIC CONNECTIONS PERIMETER AND LATERAL SPLAY BRACING	IBC CATAGORY C	LIGHT FIXTURE ATTACHMENT	IBC CATAGORY D, E, F	SERVICE APPLICATION	IBC CATAGORY D, E, F
MINIMUM INTERSECTION STRENGTH LIMITS @MT / CT (3)	60 LBS	PARTITION ATTACHMENT	NOT ALLOWED	LIGHT FIXTURE (ALLTYPES) MECHANICALLY ATTACHED	REQUIRED	AIR TERMINALS	
VERTICAL HANGER WIRE 12 GAUGE @ 4'-0" O.C.	REQUIRED	CEICHIO CEDADATION JOINT	NOT DECUMPED	REQUIRED TO GRID PER NEC 410—16 (TWO PER FIXTURE UNLESS INDEPENDENTLY SUPPORTED)		< 20lbs - POSITIVELY ATTACHED TO GRID	REQUIRED
CONNECTION DEVICE FROM VERTICAL WIRE TO THE SURFACEABOVE MUST STAIN MIN 100lbs	NOT REQUIRED	SEISMIC SEPARATION JOINT	NOT REQUIRED	-SURFACE-MOUNTED FIXTURES ATTACHED TO GRID	NOT REQUIRED	20 TO 56 lbs — POSITIVELY ATTACHED TO GRID AND TWO 12—GAUGE WIRES TO STRUCTURE (MAY BE SLACK)	REQUIRED
MAIN-TEE CLASSIFICATIONS	INTERMEDIATE OR HEAVY DUTY	RIGID BRACING FOR CEILING PLANE ELEVATION CHANGES	NOT REQUIRED	-PENDANT-HUNG FIXTURES DIRECTLY SUPPORTED FROM STRUCTURE WITH 9-GAUGE WIRE (OR APPROVED ALTERNATIVE).	REQUIRED	>56 lbs — DIRECTLY SUPPORTED TO STRUCTURE	REQUIRED
1 IN 6 MAX PLUMB OF VERTICAL HANGER WIRES	REQUIRED			-RIGID LAY-IN CAN LIGHT FIXTURES		CABLE TRAYS AND ELECTRICAL CONDUIT INDEPENDENTLY	REQUIRED
PERIMETER VERTICAL HANGER WIRES NOT MORE THAN 8" FROM WALL	NOT REQUIRED UNLESS<7/8"			<10lbs - ONE WIRE TO STRUCTURE (MAY BE SLACK)	REQUIRED	SUPPORTED AND BRACED	
GRID END/WALL CLEARANCE	MIN 3/8"			10 TO 56 lbs — TWO WIRES FROM HOUSING TO	REQUIRED	SPRINKLER HEADS AND OTHER PENETRATION CLEARANCES	3/8" ALL SIDES
PERIMETER CLOSURE (MOLDING) WIDTH	MIN 7/8" OR USE PER. WIRES			STRUCTURE (MAY BE SLACK)	THE GOINTED		
GRID CONNECTION TO PERIMETER ATTACHED ON TWO ADJACENT WALLS	NOT PERMITTED			> 57 lbs — SUPPORTED DIRECTLY TO STRUCTURE BY APPROVED HANGERS	REQUIRED		
PERIMETER TEE ENDS TIED TOGETHER AT PERIMETERS	REQUIRED						
HORIZONTAL RESTRAINT (SPLAY WIRES OR RIGID BRACING) WITHIN 2" OF INTERSECTION AND SPLAYED 90° APART AT 45°.	NOT REQUIRED						

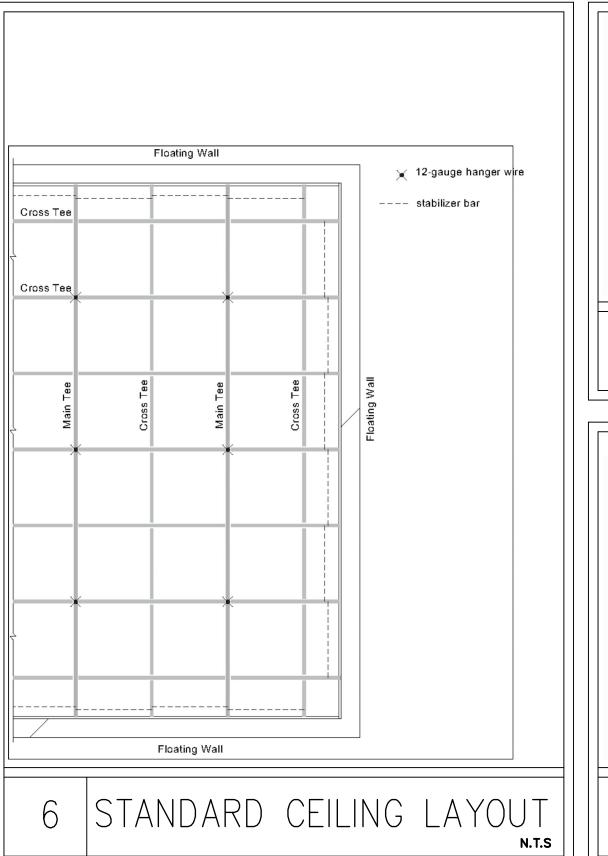


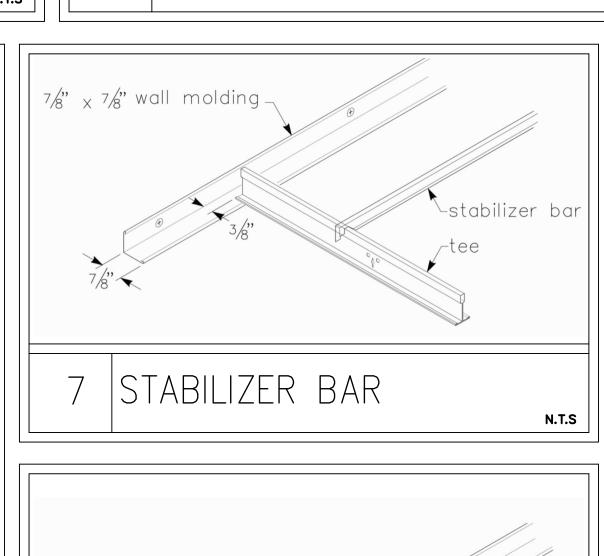


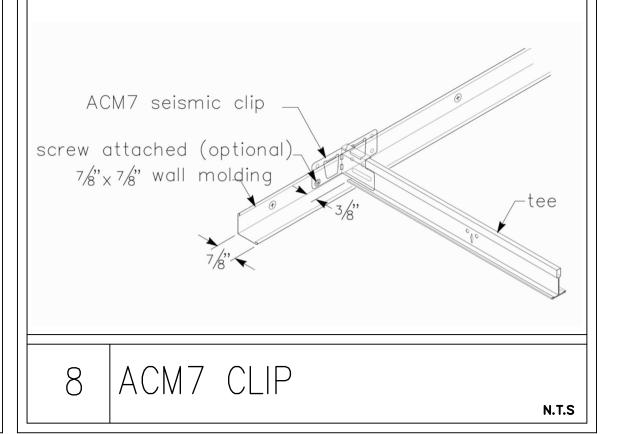












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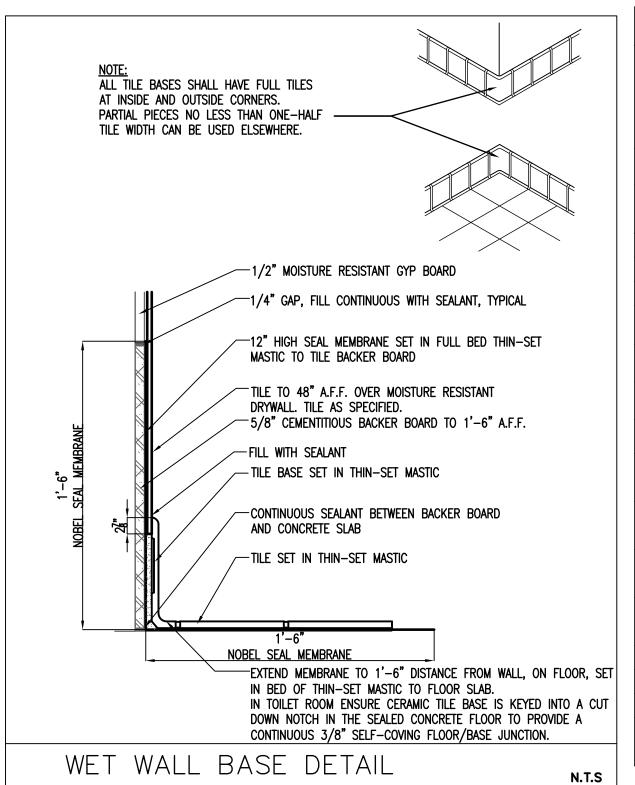
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CHECKED BY: Staff

DRAWN BY: Staff

DATE: JUNE 17, 2024 PER PLAN PROJECT No.: PSS 2417

CEILING DETAILS



FINISH TRIM CARPENTER TO INSTALL WOOD BOARDS IN RECESSED WALL CAVITIES. (NOTE: RECESS IS CREATED BY THICKNESS OF 5/8" DRYWALL)

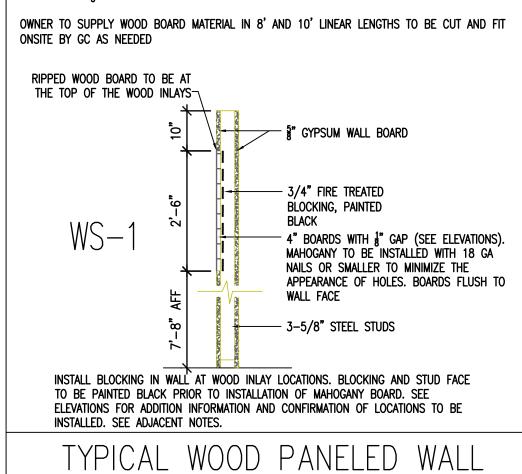
WOOD BOARD TO BE FLUSH TO FINISHED GYP BOARD WHEN INSTALLED.

AT AREAS THAT ARE TIGHT TO CEILING OR AT ADJACENT WALLS, TRANSITION FROM SIDING TO WALL OR CEILING SHOULD BE FIT TO CREATE AN EVEN FINISHED APPEARANCE. TOP WOOD BOARD MAY BE RIPPED FOR PROPER FITMANT.

DRYWALL CORNER BEAD MUST CREATE A CLEAN STRAIGHT CLEAN EDGE TRANSITION FROM THE DRYWALL TO THE BOARDS. PAINT TO MATCH ADJACENT WALL, INCLUDING INSIDE EDGE OF THE CORNER BEAD.

EDGE CUTS TO BE STRAIGHT AND STACKING FOR AN EVEN FINISHED APPEARANCE.

GC TO LEAVE & GAP BETWEEN BOARDS AND AT TRANSITION TO GYP BOARD.



			PERSPIRE – FINISH	SCHEDULE			
ITEM NUMBER	DESCRIPTION	MANUFACTURER	SERIES PRODUCT NUMBER	COLOR	SUPPLIED	INSTALLED BY	NOTES
ACT1	ACOUSTIC CEILING TILE	ARMSTRONG	DUNE 1775 - TEGULAR 24"X24"X5/8"	SUPRAFINE XL 9/16" GRID - FACTORY WHITE	GC	GC	
CF1	POLISHED CONCRETE			SATIN FINISH	GC	GC	GC TO FILL HOLES/CRACKS AND CONCRETE JOINTS, REMOVE STAINING AND GRIND TO SMOOTH, LEVEL B FINISH (AGGREGATE NOT NEEDED) PRIOR TO POLISHING
FRP1	FIBERGLASS REINFORCED PLASTIC	MARLITE	PEBBLED SURFACE	P100 WHITE / WHITE	GC	GC	MOP SINK BACKING
GT1	GROUT	TRUECOLOR OR QUARTZLOCK2	PREMIXED URETHANE GROUT	BRIGHT WHITE	GC	GC	HALLWAY ACCENT WALL
GT2	GROUT	CUSTOM BUILDING PRODUCTS	POLYBLEND #165 NON-SANDED	DELOREAN GRAY	GC	GC	SHOWER FLOORS - THICKNESS 3/16"
GT3	GROUT	CUSTOM BUILDING PRODUCTS	POLYBLEND #60 NON-SANDED	CHARCOAL	GC	GC	SHOWER WALLS - THICKNESS 1/16", BATHROOM WALLS - BATHROOM WALLS - THICKNESS 1/16"
PT1	PAINT	DUNN EDWARDS	GC TO USE SHERWIN WILLIAMS PROMAR200 COLOR MATCH	SWISS COFFEE - EGGSHELL	GC	GC	THROUGHOUT, RESTROOMS
PT2	PAINT	DUNN EDWARDS	GC TO USE SHERWIN WILLIAMS PROMAR200 COLOR MATCH	RECLAIMED WOOD - SEMI-GLOSS	GC	GC	DOORS
РТ3	PAINT	DUNN EDWARDS	GC TO USE SHERWIN WILLIAMS PROMAR200 COLOR MATCH	SWISS COFFEE - SEMI-GLOSS	GC	GC	SHOWER CEILING & BASEBOARDS, DOOR TRIMS & JAMBS
T1	PORCELAIN TILE	TRENDY SURFACES	TS667216 12" X 24"	METALLIC BLACK	GC	GC	SHOWER WALLS AND RESTROOM WALLS LAY IN STAGGERED PATTERN CONTACT: LISA LE; LISA@TRENDYSURFACEINC.COM (714-284-0118)
T2	GLAZED PORCELAIN FLOOR TILE	DALTILE	SLATE ATTACHED 12" X 24"	META DARK GRAY SA07	GC	GC	SHOWER FLOORS (TILE TO BE PROPERLY ANGLED TO THE SHOWER DRAIN LOCATION) LAY IN STACKED PATTERN
T6	PENNYROUND MOSAIC TILE	INDOTEAK DESIGN	1ANTNATRMW	NATURAL TEAK, RESIN FINISH	GC	GC	HALLWAY ACCENTW ALL, GC TO PRESEAL TILES WITH BONA NOVIA FLOOR FINISH 1 DAY PRIOR TO GROUTING CONTACT: ADEN SPIVEK 213.247.6885, SALES@INDOTEAKDESIGN.COM
T7	TILE CAP	SCHLUTER	RONDEC-DB	AE SATIN ANONDIZED ALUMINUM	GC	GC	SHOWER WALLS RUN VERTICALLY AT WALL TILE TRANSITION ALONG ENTRANCES AND AT TILED OUTSIDE CORNER
WB1	WOOD BOARD (1" X 6" MDF)	GC TO SOURCE LOCALLY	GC TO SOURCE LOCALLY	GC TO SOURCE LOCALLY	GC	GC	PAINTED PT3 THROUGHOUT
WB2	WOODBOARD (1" X 6" POPLAR OR EQUAL)	GC TO SOURCE LOCALLY	GC TO SOURCE LOCALLY	GC TO SOURCE LOCALLY	GC	GC	PAINTED PT3, RESTROOMS AND SHOWER SAUNA ROOMS
WP1	WALLPAPER	COLOR AND DESIGN	COLOURWAYS III	CD-CRW-330	GC	GC	INSTALL FLOOR TO CEILING
WS1	WOOD SIDING	FCD	1X4 NOMINAL MOHAGANY	GRADE A RAW WOOD	FCD	GC	SEE ELEVATIONS — RECESSED INTO DRYWALL 1/8" GAP BETWEEN EACH PIECE OF SIDING PER DETAIL 1 6.4

*NOTE: NOT ALL FINISHES ARE NECESSARILY IN USE.

*NOTE: OWNER TO INSTALL SAUNAS, VARNISH SAUNAS, AND INSTALL SAUNA SIGNAGE.
*NOTE: GC TO PAINT ALL RECESSED FIRE TREATED BOARDS AND AND EXPOSED STUD FACE WITH BLACK PAINT IN AN EGGSHELL FINISH PRIOR TO APPLYING THE MOHAGANY SIDING.

*NOTE: T6 REQUIREMENT — GC TO PRE—SEAL TILES WITH BONA NOVIA FLOOR FINISH 1 DAY PRIOR TO GROUTING TEAK TILES. GC MUST ENSURE THE GROUT IS FULLY CLEANED OUT OF THE MOSAIC PENNY ROUND TEAK TILE AND SHOULD ENSURE ADEQUATE TIME AND COST TO THE PROJECT FOR TILES TO BE FULLY CLEANED OF ANY GROUT OR HAZING AT TIME OF APPLICATION. THIS IS A PROGRAM REQUIREMENT. A SOFT BRISTLE BRUSH SHOULD BE USED TO REMOVE THE EXCESS GROUT AT TIME OF APPLICATION, PRIOR TO DRYING. ONCE HARDENED, GROUT ON TILES WILL NOT BE REMOVABLE AND WILL CREATE AN UNFAVORABLE FINISH.

*NOTE: GC TO SUPPLY STAIN AND CLEAR VARNISH FOR ANY MOHAGANY. TOUCHUPS REQUIRED UPON INSTALLATION AND TO RESEAL ANY CUT ENDS. GC TO CONFIRM STAIN TYPE/COLOR WITH FCD BEFORE INSTALLATION.

THAT HAS LITTLE OR NO SURFACE VARIATION (LEVEL 4 FINISH). CERTAIN TYPES OF IMPERFECTIONS IN THE WALL WILL BE SEEN AFTER THE WALLPAPER IS APPLIED. OUR INSTALLATION CREWS CAN NOT BE GIVEN THE AUTHORITY TO PUT A HOLD ON A PROJECT OR DETERMINE IF THE WALL IS A LEVEL 4 FINISH. CONTRACTOR/FRANCHISEE/DECISION MAKER AGREES THAT THE WALL WILL BE PREPARED TO SPECIFICATIONS WHEN OUR TEAMS ARE SCHEDULED TO ARRIVE.

5 LEVELS OF DRYWALL FINISHES

LEVEL 0: LEVEL 0 IMPLIES THAT NO FINISH OF ANY TYPE HAS BEEN DONE. THE DRYWALL IS ONLY FASTENED TO THE WALLS OR CEILING.

LEVEL 1: EMBED YOUR DRYWALL JOINT TAPE IN JOINT COMPOUND.

LEVEL 2: SKIM A THIN COAT OF JOINT COMPOUND OVER THE TAPE. COVER DRYWALL SCREW HOLES.

LEVEL 3: APPLY A COAT OF JOINT COMPOUND TO THE TAPE AND SCREWS.

THE REQUIRED WALL TEXTURE FOR SUCCESSFUL GRAPHIC APPLICATION AND ADHESION IS SMOOTH, PROPERLY PRIMED, PAINTED, AND CURED WALL BOARD

ALL GRAPHICS & MURALS REQUIRE A LEVEL 5 FINISH

WALL SURFACE PREPARATION

1. REPAIR ANY EXISTING WALL DAMAGE (HOLES, LOOSE JOINTS, CHIPPED OR PEELING PAINT) TO LEVEL 4 FINISH.

2. CLEAN THE WALL PRIOR TO PRIMING AND PAINTING.

PRIMER AND PAINT

LEVEL 4: APPLY ANOTHER COAT OF JOINT COMPOUND TO THE TAPE AND SCREWS SAND

LEVEL 5: APPLY ANOTHER COAT OF JOINT COMPOUND TO THE TAPE AND SCREWS. SAND.

1. TWO COATS OF PRIMER REQUIRED. LET THE PRIMER DRY PER MANUFACTURE SPECIFICATIONS BEFORE APPLYING TOP COAT.

. TINTED PRIMERS MAY CAUSE BLEED THROUGH ISSUES AND SHOULD NOT BE USED.
. DO NOT USE MATTE PAINT OR PAINT WITH SILICONE, WAXES, GRAFFITI—RESISTANT, OR TEXTURIZING ADDITIVES.

4. USE A SHORT NAP (1/4") ROLLER.

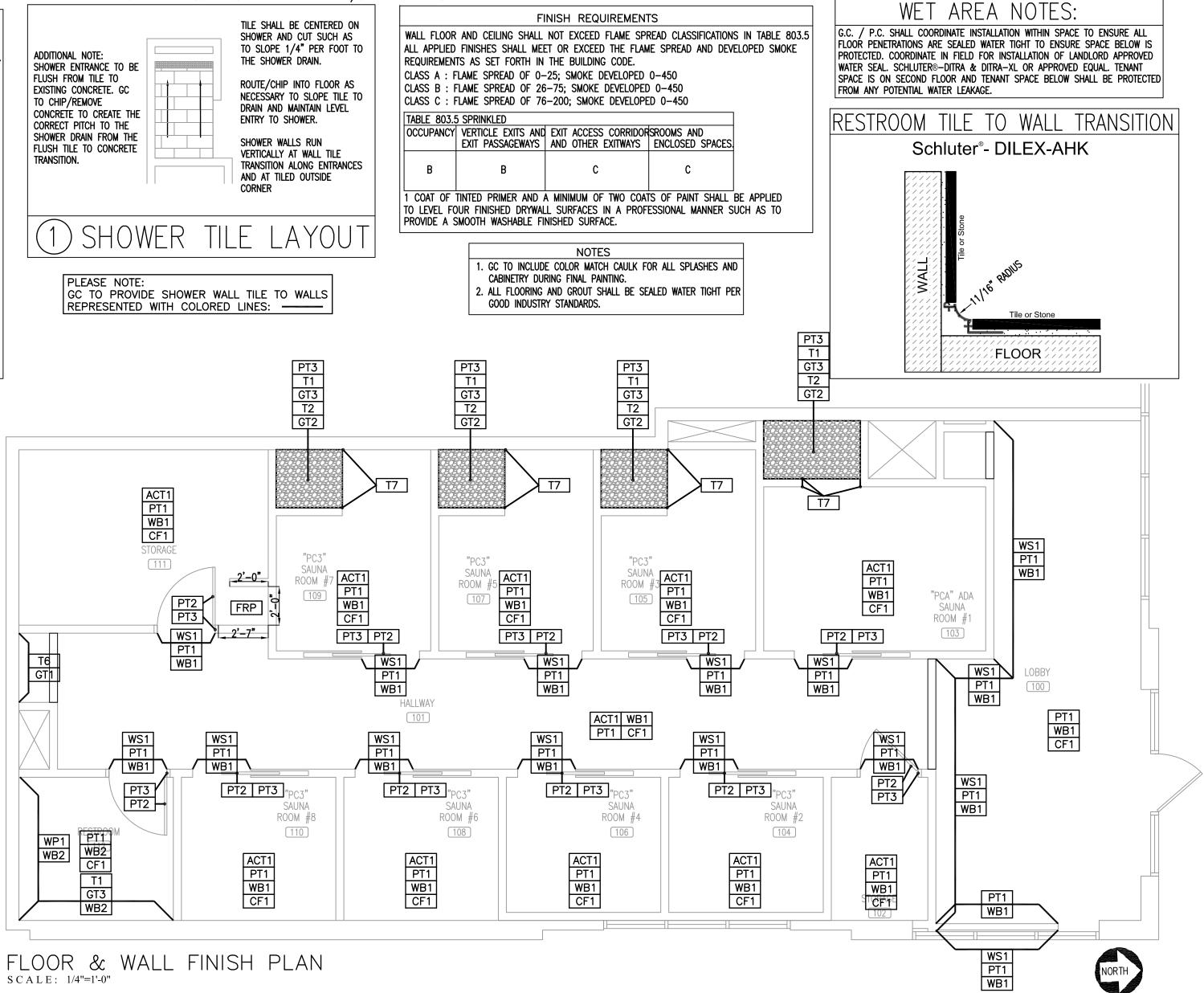
5. ALLOW THE FINAL COAT OF PAINT TO DRY FOR AT LEAST FIVE DAYS BEFORE APPLYING GRAPHICS. UNDER-CURED PAINT MAY CONTINUE TO OUTGAS AND CAUSE BUBBLES UNDER GRAPHICS SEVERAL DAYS AFTER THE INSTALL IS COMPLETE DESPITE A SMOOTH INSTALLATION.

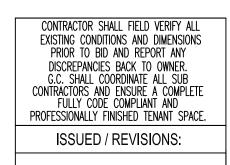
USE THE FOLLOWING PAINT AND PRIMERS: (PAINT AND PRIMER SHOULD CREATE A BOND THAT WON'T RELEASE WHEN ADHESIVES ARE APPLIED)

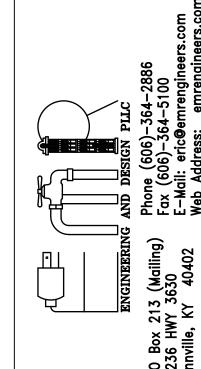
PRIMER: SHERWIN WILLIAMS PROMAR 200 INTERIOR LATEX PRIMER B28W600 SERIES

PAINT: SHERWIN WILLIAMS PROMAR ZERO VOC LATEX SEMI-GLOSS.

PAINT: SHERWIN WILLIAMS PROMAR TOP COAT: SEE FINISH SCHEDULE









PERSPIB E SAUNA STUDIO

SALE STATE TOO COLORADO SPRIN

CHECKED BY: Staff

DRAWN BY: Staff

DATE: JUNE 17, 2024

SCALE: PER PLAN

PROJECT No.: PSS 2417

SHEET TITLE

WALL &

FLOOR

FINISH PLAN

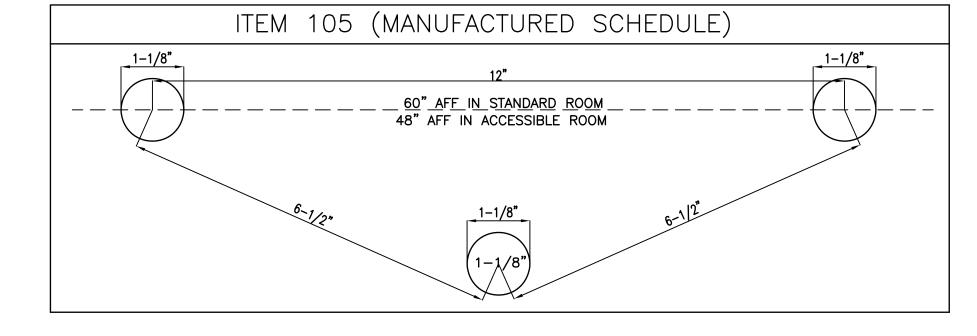
Г							
			PERSPIRE - TOILET AC	CCESSORIES			
ITEM#	DESCRIPTION	MANUFACTURER	PRODUCT SERIES	PRODUCT NUMBER	SUPPLIED BY	INSTALLED BY	NOTES
TA2	STAINLESS STEEL GRAB BARS	BOBRICK	B6806 SERIES	1-1/2" DIA WITH SNAP FLANGE	GC	GC	36", 42", AND 18" LENGTHS
TA3	WALL MOUNTED PAPER TOWEL DISP	CINTAS	SIGNATURE SERIES	STAINLESS STEEL / SILVER	OWNER	OWNER	
TA4	WALL MOUNTED SOAP DISP	CINTAS	SIGNATURE SERIES	STAINLESS STEEL / SILVER	OWNER	OWNER	
TA5	TOILET TISSUE DISPENSER	CINTAS	SIGNATURE SERIES	STAINLESS STEEL / SILVER	OWNER	OWNER	
TA6	RESTROOM SINK	KOHLER	VOX 22" VESSEL SINK WITH OVERFLOW	K-2660-1-0 (WHITE)	GC	GC	FCD TO PROVIDE VANITY, GC TO PROVIDE & INSTALL VANITY BRACKET SUPPORT AT TIME OF FRAMING
TA7	ELONGATED TOILET	ZURN	2 PIECE, WHITE, STAINLESS STEEL HANDLE	Z5560	GC	GC	FLOOR MOUNTED
TA8	RESTROOM FAUCET & DRAIN	AMERICAN STANDARD	PARADIGM SELECTRONIC FAUCET	702B115.295 (BRUSHED NICKEL)	GC	GC	ELECTRICAL OUTLET TO BE LOCATED UNDER THE SINK VANITY. GC TO INCLUDE PLUG ADAPTER
TA9	WALL MOUNTED 3 COMPARTMENT SOAP DISPENSER	ZOGICS	KURE PRODUCTS	GSTW06	OWNER	GC	
TA10	HANDSHOWER KIT	KOHLER	AWAKEN G110	K-99243-G-BN	GC	GC	
TA11	SHOWER VALVE	KOHLER	PITCH	K-TS74042-4-BN	GC	GC	
TA12	MOP SINK	FIAT OR EQUAL	MOLDED STONE OR EQUAL	MSB2424 OR EQUAL	GC	GC	
TA13	MOP SINK FAUCET	T&S BRASS OR EQUAL	WALL MOUNT	B-0665-BSTR OR EQUAL	GC	GC	
TA14	AUTOMATIC HAND SANITIZER DISPENSER	CINTAS	SIGNATURE SERIES	STAINLESS STEEL / SILVER	OWNER	OWNER	AT TOWEL DROP
TA15	TOILET SEAT COVER DISPENSER	BOBRICK	CLASSIC SERIES	B-4221	GC	GC	
TA16	SINGLE HANDLE SHOWER PVD	FONTAINE BY ITALIA	HOTEL DE VILLE COLLECTION	MFF-HVS-BN	GC	GC	
TA17	SHOWER DRAIN	KOHLER	CLEARFLO TILE-IN	K-9136BN	GC	GC	INSTALL SURE SEAL WATERLESS TRAP PREMIER AND DEEP SEAL TRAP
TA18	SHOWER SEAT	ALFI	TEAK WOOD WALL MOUNT SHOWER SEAT (ADA COMPLIANT)	ABS16S-PC	GC	GC	

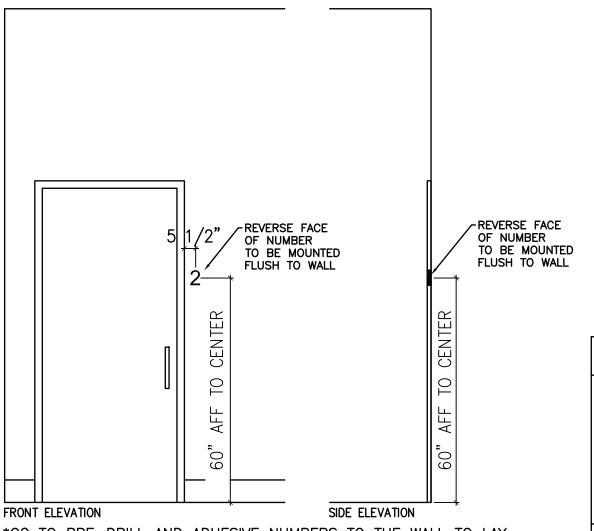
PLEASE NOTE: NOT ALL ACCESSORIES ARE NECESSARILY IN USE

	PERSF	PIRE – FURNIT	URE & EQUIP	MEN	T SC	HEDU	JLE
ITEM#	DESCRIPTION	MANUFACTURER	SKU NUMBER	SUPPLIED BY	INSTALLED BY	RECEIVED BY	NOTES
1	GUEST CHAIR	FCD PROCUREMENT	FCD PROCUREMENT	FCD	GC	GC	
2	REACH-IN REFRIGERATOR	PREMIUM LEVELLA	PRF125DX		GC	GC	12.5 CU FT
3	FIBERGLASS POCKET DOOR SLAB - PAINT COLOR: RECLAIMED WOOD (M-286084)	FCD PROCUREMENT	FCD PROCUREMENT	FCD	GC	GC	ARRIVES PAINTED AND CORED FOR THE ACCURATE HARDWARE SUPPLIED BY THE GC. GC TO INSTALL. NOTE: POCKET DOOR FRAME, KIT, HARDWARE, ETC ARE SUPPLIED SEPARATELY BY THE GC.
4	PCA (ADA) SAUNA - 77" X 64.5" X 83.7"	CLEARLIGHT	CUSTOM	OWNER	OWNER	GC	OWNER TO VARNISH AND INSTALL PERSPIRE SAUNA SIGN GC TO DISPOSE OF PACKAGING
6	TELEVISION	SAMSUNG SERIES 7 43"	UN43TU7000FXZA	OWNER	OWNER	GC	
7	SAROS INTEGRATOR 6.5" 2-WAY IN-CEILING SPEAKER	SAROS	SAROS ICI6T	OWNER	OWNER	OWNER	
8	STORAGE RACK (TOWELS) - 77"(L)	HUSKY	ERZ902490W-5	OWNER	GC	GC	
9	STORAGE RACK (18X48)	ULINE	H-2941-72	OWNER	GC	GC	
11	CHANGING ROOM CHAIR	PSS CORP. ASSIST.	OWNER	OWNER	GC	GC	
12	UNDER COUNTER FRIDGE	MAGIC CHEF	MCAR240SE2	OWNER	GC	GC	BELOW POS
13	CASH DRAWER	PSS CORP. ASSIST.	OWNER	OWNER	GC	GC	
15	TOWEL DROP BIN	PSS CORP. ASSIST.	OWNER	OWNER	GC	GC	
16	STOOL - FRONT DESK	PSS CORP. ASSIST.	OWNER	OWNER	GC	GC	
17	WALL MIRROR 12" X 48" (ROUNDED AND POLISHED)	GC TO PROVIDE LOCALLY	GC TO PROVIDE LOCALLY	GC	GC	GC	MIRROR TO BE ATTACHED TO WALL WITH ADHESIVE AND A SMALL RUST RESISTANT METAL U-CHANNEL AT THE BASE
19	DUAL ARM SWINGOUT MOUNT FOR FLAT PANEL DISPLAYS	CRIMSON AV	AU42	OWNER	OWNER	GC	
20	RETAIL BAR	FCD PROCUREMENT	FCD PROCUREMENT	FCD	GC	GC	
21	ROOM NUMBERS	FCD PROCUREMENT	FCD PROCUREMENT	FCD	GC	GC	TO BE INSTALLED AT +60" AFF TO TOP OF NUMBER AND 3" TO EDGE OF NUMBER FROM DOOR CASING. SEE DETAIL 3.
22	FILTERED WATER DISPENSER (BUILT-IN)	ELKAY	LBWD06 - WHITE	GC	GC	GC	SEE DETAIL 2.
35	SAUNA (PC3) - 77" X 48" X 83.7"	CLEARLIGHT	CUSTOM	OWNER	OWNER	GC	OWNER TO VARNISH AND INSTALL PERSPIRE SAUNA SIGN
37	UNDER COUNTER FRIDGE	MAGIC CHEF	HMAR170STE	OWNER	GC	GC	BELOW MANAGER'S DESK
38	FRAMED OUT WALL MIRROR 42" X 84"	GC TO PROVIDE LOCALLY	GC TO PROVIDE LOCALLY	GC	GC	GC	TRIM TO MATCH DOOR CASING, PAINTED PT3, INSTALLED DIRECTLY ABOVE THE WALL BASE.

*NOTE : OWNER SUPPLIED ITEMS /					
					CLE OR MULTIPLE SHIPMENTS. OWNER TO INSTALL
ONCE ON SIGHT. OWNER TO VARNI	SH AND INSTALL THE PERSPIRE SAUNA	SIGN ONCE ON SITE PE	R THE PERSPIRE PROVIDED II	NSTRUCTIONS. $_$	[]
		TA9 TA19	TA9 TA19	TA9 TA19	TA9 TA18
		TA11 TA10	TA11 TA10	TA11 TA10	TAN TAND
		TA17 TA20	TA17 TA20	TA17 TA20	TA2 TA10
	777 7529 12	TA18	TA18	TA18	TA17 TA20

DWINER IO VARIN	ISH AND INSTALL THE PERSPIRE SAUNA SIGN	UNCE ON SHE PER THE PERSPIRE PRO	MIDED INSTRUCTIONS.
		TA9 TA19	TA
		TA11 TA10 TA11 TA10	
	WATER HEATER 7 3528 12 8	TA17 TA20 TA18 100* 11	105* TA
DOMS	STORAGE TA12 TA13	2 "PC3" SAUNA SAUN #7 109 107	A #5
	TA14 1120_04*	17	17
<u>LL</u>	15 3302	3 1120_04* 21	3 1120_04* 21
	7	HALLWAY (101)	
	1120_04* 21 1120_04* 3	21 1120_04* 3	21 1120_04* 3
	7 RESTROOM 410 112 436* TA5 TA3 TA8 TA7 TA4 TA6 19 11 TA15 TA2 100*	"PC3" SAUNA RODM #8 110 105* 6 19 11 100*	17 105* 6 19 11 100*





FRONT ELEVATION

*GC TO PRE—DRILL AND ADHESIVE NUMBERS TO THE WALL TO LAY
FLAT TO THE WALL. SIMILAR TO A PIN MOUNTED INSTALLATION. MFG
SUPPLIED ANCHORS TO BE DISCARDED, NOT NEEDED FOR THIS TYPE OF
INSTALLATION.

3013* LOBBY RETAIL DISPLAY

HALLWAY TOWEL DISPOSABLE BASE

RECEPTION CEDAR PANEL

MANAGER'S DESK COUNTERTOP

2 ROOM NUMBER INSTALLATION DETAIL N.T.S

	PERSPIRE — MANUFACTURED PRODUCTS SCHEDULE									
ITEM#	DESCRIPTION	PRODUCT NUMBER	SUPPLIED BY	INSTALLED BY	RECEIVED BY	NOTES				
100*	SAUNA ROOM FLOATING SHELF	PSS100	FCD		GC					
105*	WOODEN DOWEL HOOKS (SET OF 3)	PSS105	FCD	GC	GC	(1) SET PER SAUNA ROOM, LOCATION TBD BY OWNER MOUNTED AT +80" AFF IN STANDARD ROOMS, +48" AFF IN ADA SAUNA ROOMS				
410	BACKLIT RESTROOM MIRROR	PSS410	FCD	GC	GC					
436*	VANITY FINISHED BOTH	PSS436	FCD	GC	GC	GC TO PROVIDE AND INSTALL FLOATING BRACKET AT TIME OF FRAMING SEE DETAIL ON FRAMING SHEET AND CONFIRM LOCATION AT TIME OF INSTALL				
1120_04*	WALL MOHAGANY SIDING LUMBER 4FT WIDE	PSS1120_04	FCD	GC	GC	SEE FINISH SCHEDULE AND ELEVATIONS FOR LOCATIONS OF INSTALL AND DETAIL ON FRAMING SHEET				
1120_05*	WALL MOHAGANY SIDING LUMBER 5FT WIDE	PSS1120_05	FCD	GC	GC	SEE FINISH SCHEDULE AND ELEVATIONS FOR LOCATIONS OF INSTALL AND DETAIL ON FRAMING SHEET				
1120_08*	WALL MOHAGANY SIDING LUMBER 8FT WIDE	PSS1120_08	FCD	GC	GC	SEE FINISH SCHEDULE AND ELEVATIONS FOR LOCATIONS OF INSTALL AND DETAIL ON FRAMING SHEET				
1120_10*	WALL MOHAGANY SIDING LUMBER 10FT WIDE	PSS1120_10	FCD	GC	GC	SEE FINISH SCHEDULE AND ELEVATIONS FOR LOCATIONS OF INSTALL AND DETAIL ON FRAMING SHEET				
3007*	RECEPTION ADA LEFT	PSS3007	FCD	GC	GC					

FCD GC GC ARRIVES FINISHED.

FCD GC GC 2 BRACKETS INCLUDED FOR GC TO INSTALL

FCD GC GC

FCD GC GC

PSS3013

PSS3302

PSS3303

PSS3528

PERSPIRE - GRAPHICS SCHEDULE

+70" AFF TO CENTER

OWNER OWNER OWNER

OWNER OWNER OWNER

MOUNTING HEIGHT

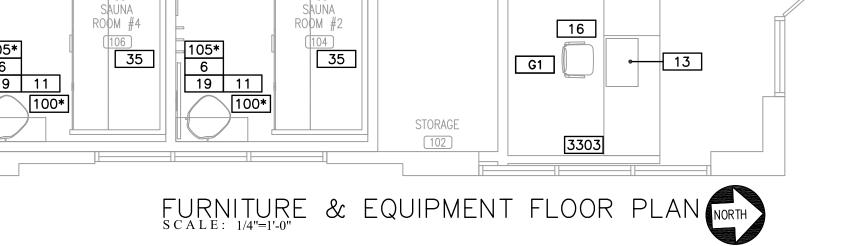
G2 TOWEL DROP SIGN +40" AFF TO CENTER

*NOTE: NOT ALL GRAPHICS ARE NECESSARILY IN USE.
*NOTE: GC TO CONFIRM PAINT FINISH WITH GRAPHIC PROVIDER.

DESCRIPTION

G1 PERSPIRE LOGO

G3 | ITWW SIGN



1120_04*

6 19

21 1120_04* 3

17 17

7

350M #

2

"PCA" ADA SAUNA ROOM #1

103

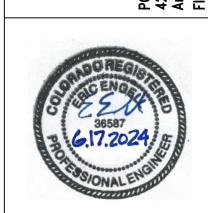
1120*

4

CONTRACTOR SHALL FIELD VERIFY ALL
EXISTING CONDITIONS AND DIMENSIONS
PRIOR TO BID AND REPORT ANY
DISCREPANCIES BACK TO OWNER.
G.C. SHALL COORDINATE ALL SUB
CONTRACTORS AND ENSURE A COMPLETE
FULLY CODE COMPLIANT AND
PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

Sox 213 (Mailing) Fax (606)—364—5100 E-Mail: eric@emrengineers.con



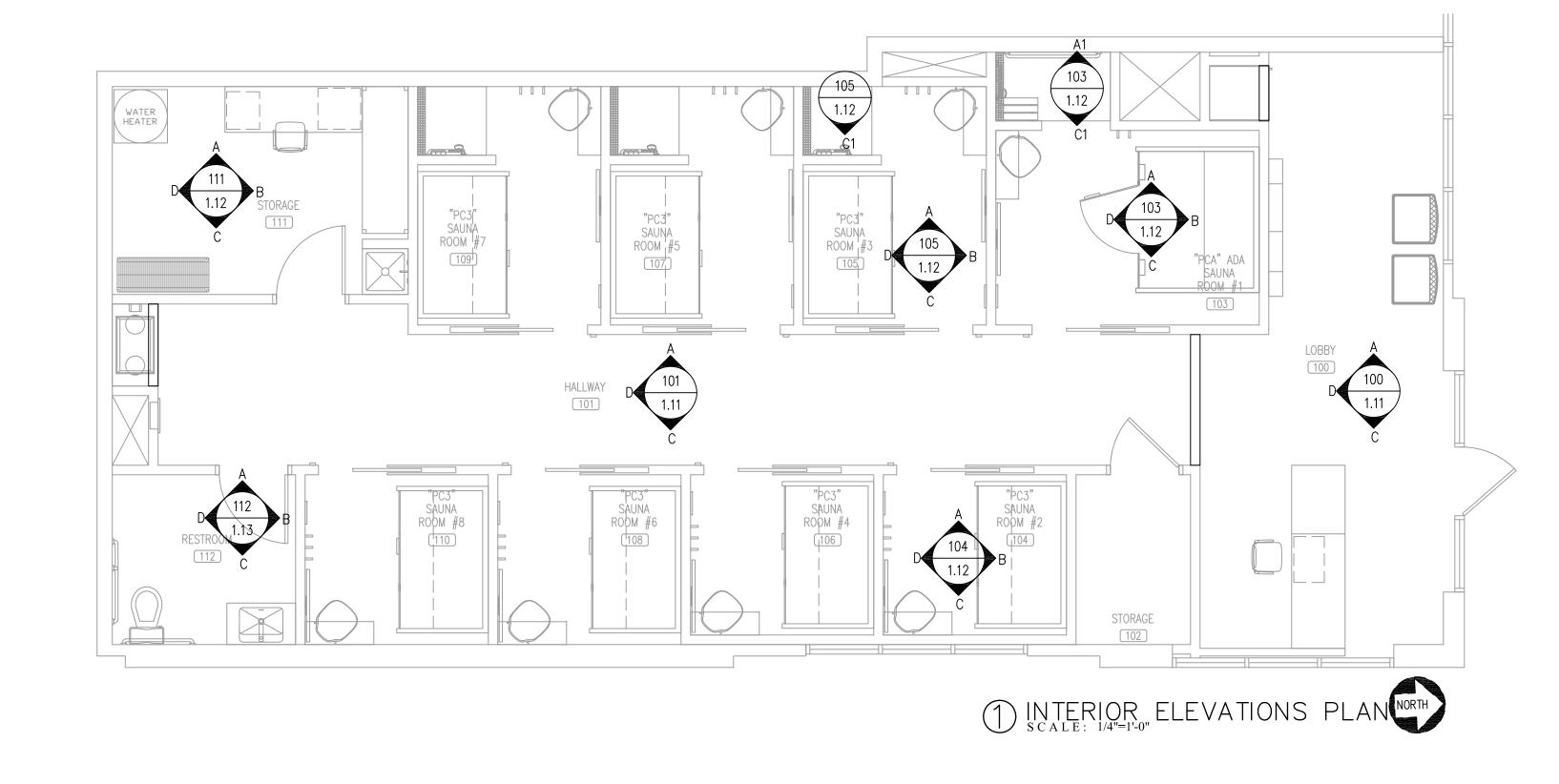
PERSPIRE SAUNA STUDIO

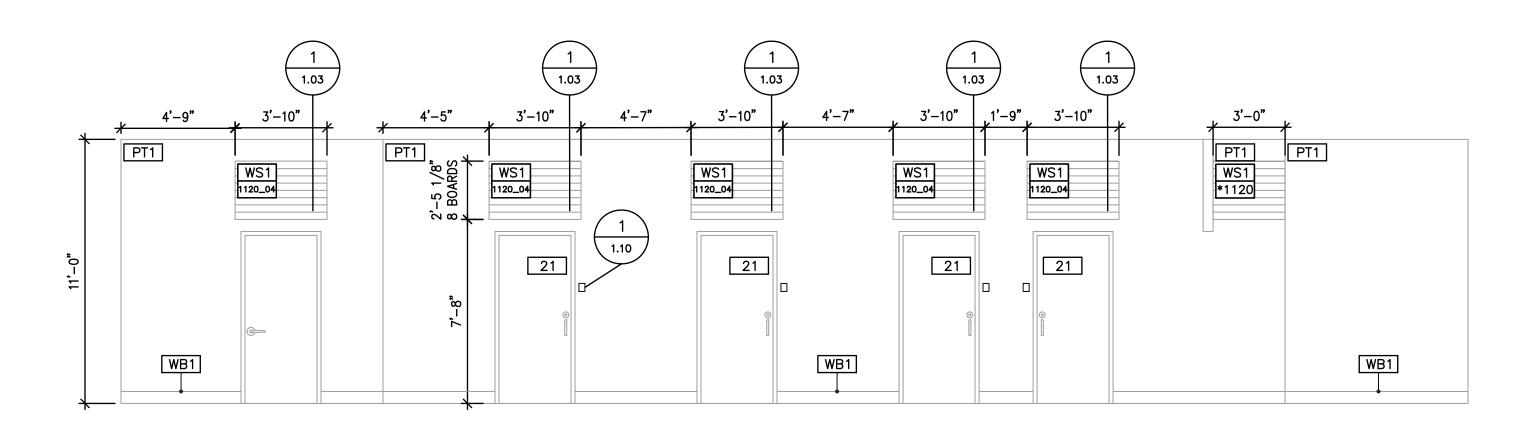
CHECKED BY: Staff
DRAWN BY: Staff
DATE: JUNE 17, 2024
SCALE: PER PLAN
PROJECT No.: PSS 2417

SHEET TITLE

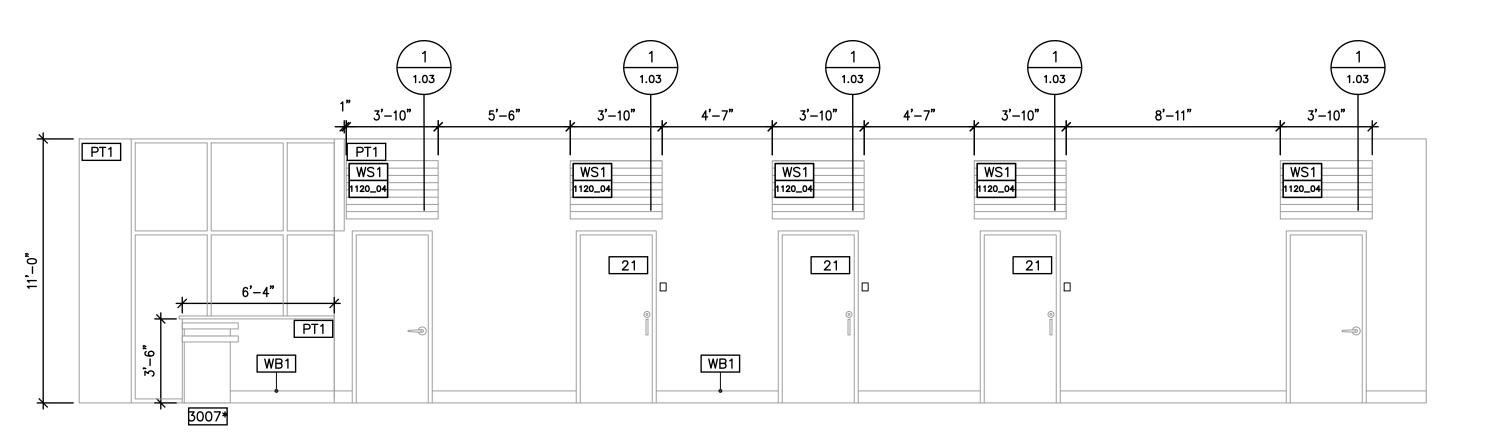
FURNITURE
PLAN

SHEET No.





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



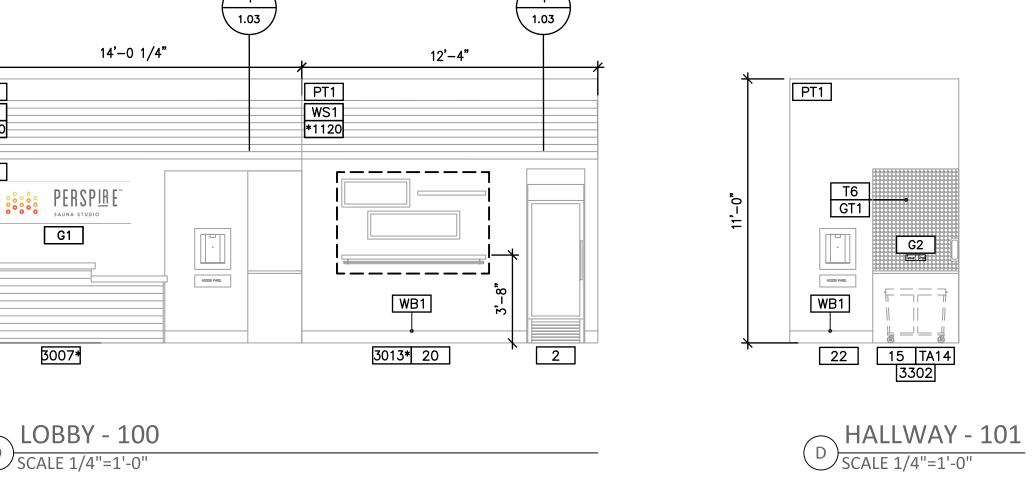
(Cabinet will have scribe on side fillers and countertop sides. GC to cut to fit onsite.)

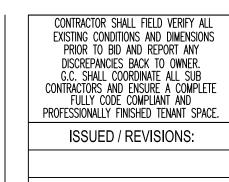
1 TOWEL DROP DETAIL

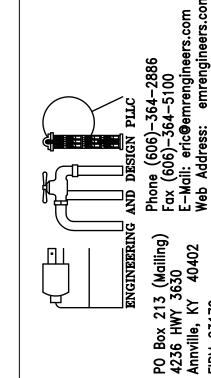
N.T.S

C HALLWAY - 101, LOBBY - 100 SCALE 1/4"=1'-0"

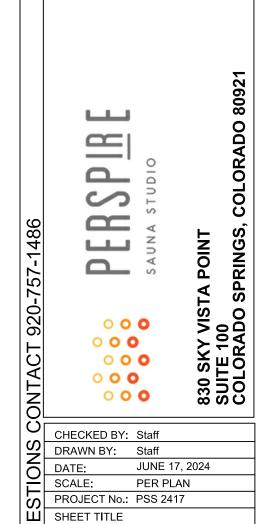






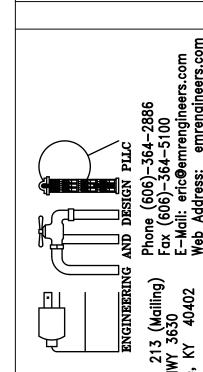


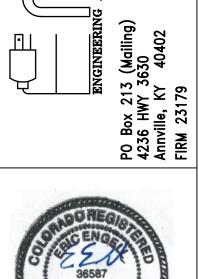














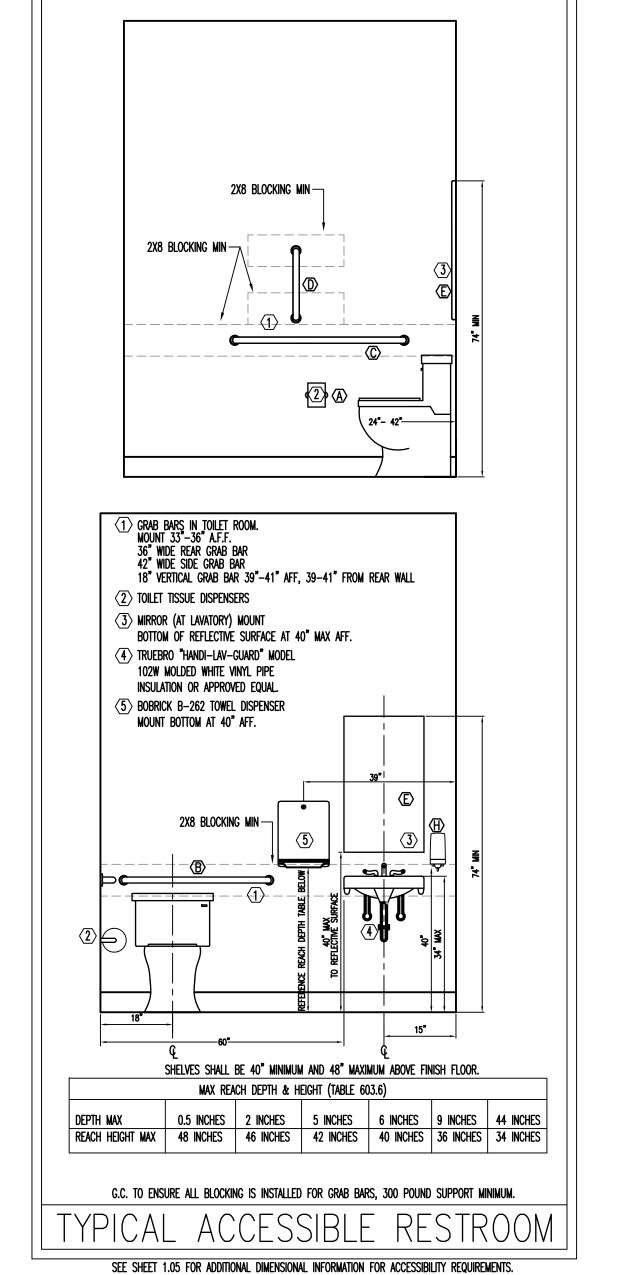
PERSPI

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INTERIOR ELEVATIONS

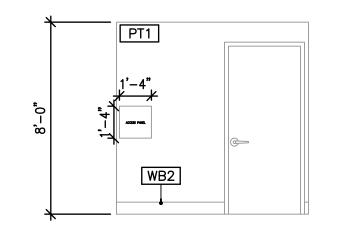
1.12

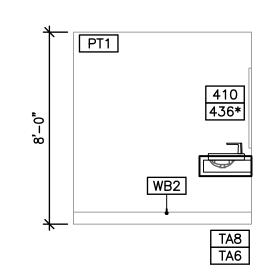
830 SKY VISTA POINT SUITE 100 COLORADO SPRINGS, (

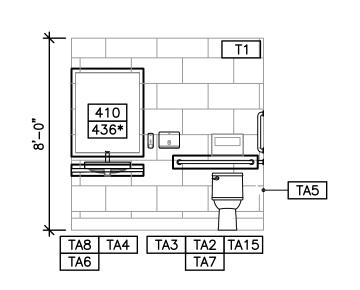


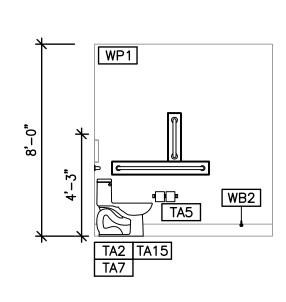
	PERSPIRE - TOILET ACCESSORIES										
		i	PERSPIRE - IVILEI AU	CESSURIES							
ITEM#	DESCRIPTION	MANUFACTURER	PRODUCT SERIES	PRODUCT NUMBER	SUPPLIED BY	INSTALLED BY	NOTES				
TA2	STAINLESS STEEL GRAB BARS	BOBRICK	B6806 SERIES	1-1/2" DIA WITH SNAP FLANGE	GC	GC	36", 42", AND 18" LENGTHS				
TA3	WALL MOUNTED PAPER TOWEL DISP	CINTAS	SIGNATURE SERIES	STAINLESS STEEL / SILVER	OWNER	OWNER					
TA4	WALL MOUNTED SOAP DISP	CINTAS	SIGNATURE SERIES	STAINLESS STEEL / SILVER	OWNER	OWNER					
TA5	TOILET TISSUE DISPENSER	CINTAS	SIGNATURE SERIES	STAINLESS STEEL / SILVER	OWNER	OWNER					
TA6	RESTROOM SINK	KOHLER	VOX 22" VESSEL SINK WITH OVERFLOW	K-2660-1-0 (WHITE)	GC	GC	FCD TO PROVIDE VANITY, GC TO PROVIDE & INSTALL VANITY BRACKET SUPPORT AT TIME OF FRAMING				
TA7	ELONGATED TOILET	ZURN	2 PIECE, WHITE, STAINLESS STEEL HANDLE	Z5560	GC	GC	FLOOR MOUNTED				
TA8	RESTROOM FAUCET & DRAIN	AMERICAN STANDARD	PARADIGM SELECTRONIC FAUCET	702B115.295 (BRUSHED NICKEL)	GC	GC	ELECTRICAL OUTLET TO BE LOCATED UNDER THE SINK VANITY. GC TO INCLUDE PLUG ADAPTER				
TA9	WALL MOUNTED 3 COMPARTMENT SOAP DISPENSER	ZOGICS	KURE PRODUCTS	GSTW06	OWNER	GC					
TA10	HANDSHOWER KIT	KOHLER	AWAKEN G110	K-99243-G-BN	GC	GC					
TA11	SHOWER VALVE	KOHLER	PITCH	K-TS74042-4-BN	GC	GC					
TA12	MOP SINK	FIAT OR EQUAL	MOLDED STONE OR EQUAL	MSB2424 OR EQUAL	GC	GC					
TA13	MOP SINK FAUCET	T&S BRASS OR EQUAL	WALL MOUNT	B-0665-BSTR OR EQUAL	GC	GC					
TA14	AUTOMATIC HAND SANITIZER DISPENSER	CINTAS	SIGNATURE SERIES	STAINLESS STEEL / SILVER	OWNER	OWNER	AT TOWEL DROP				
TA15	TOILET SEAT COVER DISPENSER	BOBRICK	CLASSIC SERIES	B-4221	GC	GC					
TA16	SINGLE HANDLE SHOWER PVD	FONTAINE BY ITALIA	HOTEL DE VILLE COLLECTION	MFF-HVS-BN	GC	GC					
TA17	SHOWER DRAIN	KOHLER	CLEARFLO TILE-IN	K-9136BN	GC	GC	INSTALL SURE SEAL WATERLESS TRAP PREMIER AND DEEP SEAL TRAP				
TA18	SHOWER SEAT	ALFI	TEAK WOOD WALL MOUNT SHOWER SEAT (ADA COMPLIANT)	ABS16S-PC	GC	GC					

PLEASE NOTE: NOT ALL ACCESSORIES ARE NECESSARILY IN USE









A B C D RESTROOM
SCALE 1/4"=1'-0"

RESTROOM ACCESSORIES

SUPPLIED AND INSTALLED BY G.C. UNLESS NOTED OTHERWISE.

SURFACE—MOUNTED TWO ROLL TOILET TISSUE DISPENSER CINTAS — SIGNATURE SERIES —STAINLESS STEEL/SILVER

B 36"W STAINLESS STEEL GRAB BAR, 1—1/2" DIAMETER, 1—1/2" CLEARANCE TO WALL BOBRICK MODEL #B—6806.99 X 36, (PEENED NON—SLIP GRIPPING SURFACE).

C 42"W STAINLESS STEEL GRAB BAR, 1—1/2" DIAMETER, 1—1/2" CLEARANCE TO WALL BOBRICK MODEL #B—6806.99 X 42, (PEENED NON—SLIP GRIPPING SURFACE).

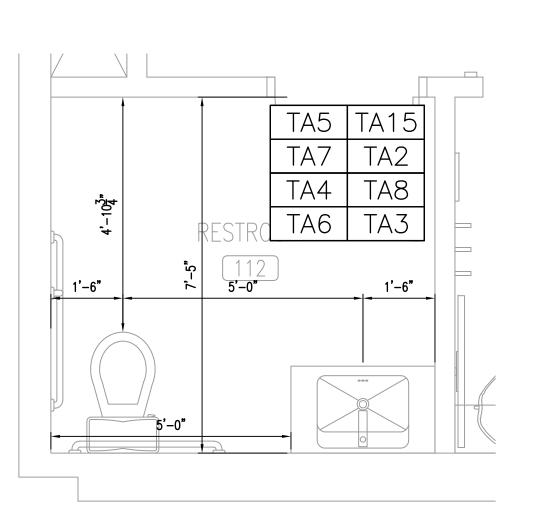
D 18"W STAINLESS STEEL GRAB BAR, 1—1/2" DIAMETER, 1—1/2" CLEARANCE TO WALL BOBRICK MODEL #B—6809.99 X 18 (PEENED NON—SLIP GRIPPING SURFACE)

E MIRROR — 24" X 36" CUSTOM — FCD

F PAPER TOWEL DISPENSER — CINTAS — SIGNATURE SERIES —STAINLESS STEEL/SILVER

O NOT USED

H SOAP DISPENSOR — CINTAS — SIGNATURE SERIES —STAINLESS STEEL/SILVER



ENLARGED RESTROOM SCALE: 1/2"=1'-0" CONTRACTOR SHALL FIELD VERIFY ALL
EXISTING CONDITIONS AND DIMENSIONS
PRIOR TO BID AND REPORT ANY
DISCREPANCIES BACK TO OWNER.
G.C. SHALL COORDINATE ALL SUB
CONTRACTORS AND ENSURE A COMPLETE
FULLY CODE COMPLIANT AND
PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

SI (Mailing) Fax (606)—364—5100 E-Mail: eric@emrenaineers.com



PERSPIBE SAUNA STUDIO

PER SAUNA SUITE 100 COLORADO SPRINGS, (

CHECKED BY: Staff
DRAWN BY: Staff
DATE: JUNE 17, 2024
SCALE: PER PLAN
PROJECT No.: PSS 2417
SHEET TITLE

TOILET ROOM ELEVATIONS

SHEET No.

GENERAL CONDITIONS

- 1. THE GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND MEASUREMENTS ON THE JOB AND SHALL BE STRICTLY RESPONSIBLE FOR THE SAME. ANY QUESTIONS AND OR DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE FCDADSON PRIOR TO START OF WORK AT JOB SITE.
- 2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORK OF ALL MASONRY, CARPENTRY, PLUMBING, HEATING, VENTILATING AND AIR CONDITIONING AND ELECTRICAL TRADES AND FOR THE COORDINATION OF THE WORK.
- 3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORK OF ALL EMPLOYEES, WHETHER HIS OWN, HIS SUBCONTRACTOR, OR THEIR EMPLOYEES.
- 4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL WORKMEN ON THIS PROJECT. ALL CONTRACTORS AND THEIR SUBCONTRACTORS DOING WORK UNDER THIS CONTRACT SHALL CARRY LIABILITY AND PROPERTY DAMAGE INSURANCE AGAINST ACCIDENTS OF ALL KINDS AND THE OWNER AND FCDADSON SHALL BE FURNISHED WITH CERTIFICATES OF SAID INSURANCE. CONTRACTORS SHALL FOLLOW THE SAFETY PROCEDURES IN CONNECTION WITH THE WORK OF THIS PROJECT. THIS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- 5. ALL WORK SHALL BE GUARANTEED BY THIS CONTRACTOR FOR A PERIOD OF ONE YEAR AFTER THE CERTIFICATE OF OCCUPANCY, CERTIFIED IN WRITING TO THE OWNER BY THE CONTRACTOR.
- 6. THE CONTRACTOR SHALL LEAVE THE BUILDING COMPLETELY FREE OF DUST AND READY FOR OCCUPANCY BY THE OWNER.
- 7. THE CONTRACTOR SHALL PERFORM ALL NECESSARY MEASURES TO ENSURE THAT NO DUST, DIRT OR OTHER CONSTRUCTION DEBRIS ENTERS ANY AREA OF THE BUILDING OTHER THAN THE AREA BEING
- 8. THE CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION AND REMOVALS AS INDICATED ON THE DRAWINGS, BUT NOT LIMITED THERE TO IN ORDER TO COMPLETE THE WORK.
- 9. ALL WORK IN PROGRESS SHALL BE ADEQUATELY BRACED AND PROTECTED UNTIL BUILDING IS COMPLETED.
- 10. COORDINATE ALL DEMOLITION OF THE EXISTING STRUCTURE WITH THE OWNER AND FCDADSON. ENSURE THAT THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING WILL NOT BE IMPAIRED BY THE DEMOLITION. SHORE EXISTING CONSTRUCTION AS REQUIRED.
- 11. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF THE EXISTING CABINETRY AND APPLIANCES AS WELL AS THE REMOVAL OF PACKAGING FOR THE NEW CABINETRY AND APPLIANCES.
- 12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL NECESSARY PERMITS, INSPECTIONS AND FINAL CERTIFICATE OF OCCUPANCY.
- 13. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT STATE BUILDING CODE AND ALL LOCAL CODES.
- 14. IF THE CONTRACTOR FAILS TO COMPLETE OR CORRECT ANY OF THE WORK ACCORDING TO THE CONSTRUCTION DOCUMENTS, THE OWNER OR FCDADSON MAY STOP WORK UNTIL THE WORK IS COMPLETED OR CORRECTED.
- 15. THE CONTRACTOR SHALL PROVIDE FREE ACCESS TO THE WORK BY THE OWNER, FCDADSON AND THEIR REPRESENTATIVES AT ALL TIMES.

GENERAL

- 1. PROJECT REQUIREMENTS: VERIFY WITH LANDLORD FOR ALLOWABLE TIMES OF CONSTRUCTION.
- 2. APPLY, OBTAIN, AND PAY FOR ALL PERMITS REQUIRED FOR THE WORK. SUBMIT COPIES OF ALL PERMITS TO OWNER AND TO FCDADSON.
- 3. COMPLY WITH ALL APPLICABLE BUILDING CODES AND RULES OF OTHER REGULATORY AGENCIES.
- 4. VERIFY FIELD DIMENSIONS BEFORE ORDERING FABRICATIONS OR PRODUCTS TO FIT IN PLACE. NOTIFY FCDADSON OF EXISTING CONDITIONS AND DIMENSIONS THAT DIFFER FROM THOSE SHOWN IN THE DRAWINGS.
- 5. UNLESS OTHERWISE NOTED, THE SUBJECT OF ALL IMPERATIVE SENTENCES IN THE SPECIFICATIONS AND THE DRAWINGS IS THE CONTRACTOR. FOR EXAMPLE, "PROVIDE AND INSTALL.." MEANS "CONTRACTOR SHALL PROVIDE AND INSTALL..".
- 6. WHERE THE TERMS "APPROVED EQUAL", "OTHER APPROVED", "OR EQUAL", "ACCEPTABLE", OR OTHER GENERAL QUALIFYING TERMS USED IN THESE NOTES, IT SHALL BE UNDERSTOOD THAT REFERENCE IS MADE TO THE JUDGMENT AND RULING OF ERIC ENGELL P.E., UNLESS APPROVED BY ERIC ENGELL P.E., NO SUBSTITUTIONS WILL BE MADE.
- 7. THE CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DRAWINGS ON SITE DURING PHASES OF CONSTRUCTION FOR USE OF ALL TRADES. THE CONTRACTOR SHALL RECORD ALL 'AS-BUILT' CONDITIONS AND SUBMIT COPY TO LANDLORD AND TENANT AT COMPLETION OF JOB. THE CONTRACTOR SHALL MAINTAIN A FIELD TELEPHONE AT THE JOB SITE.

CUTTING AND PATCHING

- 1. CUT AND PATCH AS REQUIRED TO COMPLETE THE WORK FOR:
- VISUAL QUALITY AS DIRECTED BY THE TENANT
 PLUMBING, HVAC, ELECTRICAL, AND COMMUNICATIONS SYSTEMS.
- 3. FIRE RESISTANCE RATINGS.4. INSPECTION, PREPARATION AND PERFORMANCE.
- 2. CUT AND PATCH WITH CARE TO AVOID DAMAGE TO WORK, SAFETY HAZARDS, VIOLATION OF WARRANTY REQUIREMENTS, BUILDING CODE VIOLATIONS, OR MAINTENANCE PROBLEMS.

MATERIALS AND PRODUCTS

- 1. MATCH EXISTING MATERIALS WITH NEW MATERIALS SO THAT PATCHING WORK IN UNDETECTABLE.
- 2. INSPECT FIELD CONDITIONS TO IDENTIFY ALL WORK REQUIRED.
- 3. PERFORM WORK WITH WORKMEN SKILLED IN THE TRADES INVOLVED. PREPARE SAMPLE AREA OF EACH TYPE OF WORK FOR APPROVAL. PROTECT ADJACENT WORK FROM DAMAGE AND DIRT.
- 4. FOR CUTTING WORK, USE PROPER CUTTING TOOLS, NOT CHOPPING TOOLS. MAKE NEAT HOLES. MINIMIZE DAMAGE TO ADJACENT WORK. CHECK FOR CONCEALED UTILITIES AND STRUCTURE BEING CUTTING.
- 5. MAKE PATCHES, SEAMS, AND JOINTS DURABLE AND INCONSPICUOUS. TOLERANCES FOR PATCHING SHALL BE THE SAME AS FOR NEW WORK.
- 6. CLEAN WORK AREAS AND AREAS AFFECTED BY CUTTING AND PATCHING OPERATIONS AS DESCRIBED IN SECTION TITLES CLEANING AND MAINTENANCE DURING CONSTRUCTION AND FINAL CLEANING.

CONSTRUCTION PROCEDURES

1. PROVIDE ADMINISTRATIVE COORDINATION OF ALL WORK, INCLUDING TRAINED, QUALIFIED EMPLOYEES AND SUBCONTRACTORS, AND SUPERVISORY PERSONNEL.

CHANGE ORDER PROCEDURES

- 1. CHANGES IN THE WORK MAY BE REQUIRED WHICH WILL BE AUTHORIZED BY A CHANGE ORDER.
- 2. CHANGE ORDERS, SIGNED BY THE OWNER AND FCDADSON, TO AUTHORIZE CHANGES IN THE WORK WILL INCLUDE EQUIVALENT CHANGES IN THE CONTRACT SUM AND/OR TIME OF COMPLETION.
- 3. CHANGE ORDERS WILL BE NUMBERED IN SEQUENCE AND DATED.
- 4. A REQUEST FOR ESTIMATES FOR POSSIBLE CHANGES IS NOT A CHANGE ORDER OR A DIRECTION TO PROCEED WITH THE PROPOSED CHANGES. THAT CAN ONLY BE AUTHORIZED THROUGH A SIGNED CHANGED ORDER.

CLEANING & MAINTENANCE DURING CONSTRUCTION & FINAL CLEANING

- 1. KEEP THE BUILDING AND SITE WELL ORGANIZED AND CLEAN THROUGH OUT THE CONSTRUCTION PERIOD.
- 2. PROVIDE GENERAL CLEAN UP DAILY AND COMPLETE WEEKLY PICKUP AND REMOVAL OF ALL SCRAP AND DEBRIS FROM THE SITE. EXCEPTION REUSABLE SCRAP SHALL BE STORED IN A NEATLY MAINTAINED, DESIGNATED STORAGE AREA.
- 3. AT COMPLETION OF WORK, REMOVE FROM THE JOB SITE ALL TOOLS AND EQUIPMENT, AND SURPLUS MATERIALS, EQUIPMENT, SCRAP, AND DEBRIS.
- DROPPINGS, SPOTS, STAINS OR DIRT.

 5. INTERIOR OF BUILDING INSPECT INTERIOR SURFACES AND REMOVE ALL WASTE MATERIALS, PAINT,

4. EXTERIOR OF BUILDING - INSPECT EXTERIOR SURFACES AND REMOVE ALL WASTE MATERIALS, PAINT

- 6. GLASS CLEAN INSIDE AND OUTSIDE SO THERE ARE NO SPOTS OR DIRT, AND NO SMUDGES OR STREAKS REMAINING FROM THE CLEANING PROCESS.
- 7. SCHEDULE FINAL CLEANING AS APPROVED BY THE OWNER TO ENABLE OWNER TO ACCEPT A COMPLETELY CLEAN WORK AREA.
- 8. FINAL CLEANING WILL BE COMPARABLE TO THAT PROVIDED BY PROFESSIONAL, SKILLED CLEANERS USING COMMERCIAL GRADE CLEANING MATERIAL. CLEANING MATERIAL WILL BE USED WITH CARE AND WILL BE COMPATIBLE WITH BUILDING MATERIALS AND FINISHES. FINAL CLEANING WILL INCLUDE REMOVAL OF DEBRIS FROM PUBLIC PAVED AREAS ADJACENT TO THE SITE.
- 9. OPERATING HARDWARE MUST PERFORM SMOOTHLY. REPAIR OR REPLACE ANY DEFECTIVE WORK. REDO REPAIRS IF WORK IS STILL DEFECTIVE AS DIRECTED BY THE FCDADSON. CLEAN THE WORK AREA AND REMOVE ALL SCRAP AND EXCESS MATERIALS FROM THE SITE.

GENERAL NOTES

DROPPINGS, SPOTS, STAINS OR DIRT.

- 1. THIS PROJECT SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE CURRENT ISSUE OF THE LOCAL CODE AND ANY OTHER CODES HAVING JURISDICTION. CONTRACTOR TO VERIFY ALL CODE REQUIREMENTS BEFORE COMMENCEMENT OF CONSTRUCTION AND BRING ANY DISCREPANCIES BETWEEN THE CODES AND THE CONSTRUCTION DOCUMENTS TO THE ATTENTION OF FCDADSON.
- 2. DETAILS AND SECTIONS ON THE DRAWINGS ARE SHOWN AT SPECIFIC LOCATIONS AND ARE INTENDED TO SHOW GENERAL REQUIREMENTS THROUGHOUT. DETAILS NOTE "TYPICAL" IMPLY ALL CONDITIONS ARE TREATED SIMILAR. MODIFICATIONS ARE TO BE MADE BY THE CONTRACTOR TO ACCOMMODATE MINOR VARIATIONS
- 3. THE CONTRACTOR SHALL TAKE REASONABLE CARE TO VERIFY AND PROTECT ALL SERVICE LINES AND EXISTING SITE FEATURES FROM DETERIORATION AND DAMAGE.
- 4. OWNER, DESIGNER OR FCDADSON SHALL NOT BE RESPONSIBLE FOR THE SAFETY AND CONSTRUCTION PROCEDURES, TECHNIQUES, OR THE FAILURE OF THE BUILDER TO CARRY OUT THE WORK IN ACCORDANCE WITH THE DRAWINGS OR THE APPLICABLE CODES.
- 5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY BUILDING PERMITS.
- 6. THE CONTRACTOR SHALL BRING ANY ERRORS AND OMISSIONS WHICH MAY OCCUR IN THE CONTRACT DOCUMENTS TO THE ATTENTION OF FCDADSON IN WRITING. WRITTEN INSTRUCTIONS SHALL BE OBTAINED FROM FCDADSON BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE RESULTS OF ANY ERRORS, DISCREPANCIES, OR OMISSIONS IN THE CONSTRUCTION DOCUMENTS FOR WHICH NOTIFICATION AS INDICATED ABOVE WAS NOT GIVEN.
- 7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS AT THE SITE SUFFICIENTLY IN ADVANCE OF THE WORK TO BE PERFORMED TO ASSURE THE ORDERLY PROGRESS OF THE WORK.
- 8. CONTRACTOR SHALL MAINTAIN THE PREMISES CLEAN AND FREE OF ALL TRASH, DEBRIS, AND SHALL PROTECT WORK FROM DAMAGE, SOILING, PAINT OVERSPRAY, ETC.
- 9. ALL EQUIPMENT, FIXTURES, GLAZING, FLOORS, ETC. SHALL BE LEFT CLEAN AND READY FOR OCCUPANCY UPON THE COMPLETION OF THE PROJECT.
- 10. THE DRAWINGS SHALL NOT BE SCALED. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALE MEASUREMENTS AND LARGER SCALE DETAIL OVER SMALLER SCALE DRAWINGS.
- 11. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS IN THE FIELD. ALL NEW AND EXISTING WORK SHALL BE MODIFIED BY FIELD CONDITIONS. FCDADSON SHALL BE CONSULTED ON ALL MODIFICATIONS.
- 12. ANY AND ALL INTERPRETATIONS PERTAINING TO THE DRAWINGS SHALL BE MADE BY FCDADSON AND DESIGNER.
- 13. FCDADSON SHALL BE CONSULTED DURING THE COURSE OF CONSTRUCTION REGARDING EXISTING FRAMING CONDITIONS ONCE THEY ARE EXPOSED. UPON HIS/HER INSPECTION, THE PROPOSED STRUCTURAL MEMBERS SHOWN ON THESE DRAWINGS MAY BE RECONSIDERED OR REVISED.
- 14. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL PERTINENT CODES REGULATIONS AND THE REQUIREMENTS OF GOVERNING JURISDICTION.

<u>METALS</u>

- 1. PROVIDE ALL MISCELLANEOUS METAL ITEMS NOT LIMITED TO THE FOLLOWING TO COMPLETE THE WORK:
 - 1. NAILS, SCREWS AND BOLTS.
- REINFORCING BARS.
 STEEL LINTELS.
- 4. WELDED WIRE MESH.

ROUGH CARPENTRY

- 1. ALL WOODS AND WOOD CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING STANDARDS EXCEPT AS MODIFIED BY THESE SPECIFICATIONS:
 - IFIED BY THESE SPECIFICATIONS:

 AMERICAN INSTITUTE OF TIMBER CONSTRUCTION: STANDARD MANUAL.
 - NATIONAL FOREST PRODUCTS ASSOCIATION
 SOUTHERN PINE INSPECTION BUREAU
 - TRUSS PLATE INSTITUTE
 AMERICAN PLYWOOD ASSOCIATION
 - AMERICAN PLYWOOD ASSOCIATION– AMERICAN WOOD PRESERVERS ASSOCIATION
- 2. ALL STRUCTURAL LUMBERS SHALL BE DOUGLAS FIR LARCH, CONSTRUCTION GRADE, S4S, AIR—DRIED, NUMBER 2, WITH FB = 875 PSI, UNLESS OTHERWISE CALLED FOR ON THE PLANS. REJECT ANY DELIVERED FRAMING LUMBER THAT IS NOT GRADE STAMPED AND CERTIFIED BY A BONA FIDE GRADING AGENCY
- 3. DO NOT ACCEPT OR USE LUMBER THAT DEVIATES FROM GRADE STANDARDS OR HAS EXCESSIVE MOISTURE CONTENT OR OTHER DEFECTS. REMOVE UNSTAMPED OR DEFECTIVE LUMBER FROM THE JOB SITE.
- 4. STORE FRAMING LUMBER AND WOOD PANELS TO PREVENT DAMAGE AND MOISTURE ABSORPTION. STORE METAL CONNECTORS THAT ARE SUBJECT TO DAMAGE IN WEATHERTIGHT WRAPPING AND IN SAFE LOCATIONS AWAY FROM TRAFFIC OF OTHER SOURCES OF DAMAGE. STORE CHEMICALLY TREATED LUMBER AND WOOD PANELS OUT DOORS UNTIL INSTALLATION. KEEP CHEMICALLY TREATED LUMBER AND WOOD PANELS WELL VENTILATED IF MOVED INDOORS.
- 5. PROVIDE ALL BLOCKING AND PATCHING AND BUILDERS HARDWARE ITEMS INCLUDING, BUT NOT LIMITED TO, NAILS, SCREWS, BOLTS, HANGERS, ETC. AS REQUIRED TO PERFORM A COMPLETE JOB.
- 6. WOOD IN CONTACT WITH MASONRY SHALL BE PRESSURE TREATED.
- 7. REFER TO DRAWINGS FOR SIZES AND SPACING OF ALL NEW FRAMING MEMBERS: STUDS, FLOOR JOISTS, CEILING JOISTS, RAFTERS, RIDGES, VALLEY, ETC.
- 8. ALL BOLTS FOR SPECIFIED STRUCTURAL CONNECTIONS SHALL BE 5/8" DIAMETER WITH WASHERS AND NUTS, STAGGERED UP AND DOWN, SPACED 12" O.C.
- 9. CHECK AND VERIFY CORRECTIONS OF EACH STAGE OF FRAMING BEFORE INSTALLING SUBSEQUENT FRAMING: REMOVE ALL UNUSABLE WOOD SCRAPS FROM SITE WEEKLY AT MINIMUM AND BETWEEN EACH PHASE OF FRAMING. CALL FOR FCDADSON AND/OR BUILDING DEPARTMENT INSPECTION BEFORE CLOSING UP CONCEALED WORK.

BUILDING INSULATION

- 1. KEEP AREAS TO BE INSULATED CLEAN AND DRY. DO NOT INSTALL INSULATION WHERE IT MIGHT BE EXPOSED TO WATER.
- 2. UPON COMPLETION, CLEAN THE WORK AREA AND REMOVE ALL SCRAP AND EXCESS MATERIALS FROM THE SITE. ALLOW CONVENIENT ACCESS FOR INSPECTION OF WORK AND REPAIR OR REPAIR DEFECTIVE WORK AS DIRECTED BY FCDADSON.

DRYWALL

- 1. ALL INTERIOR WALLS AND CEILINGS SHALL BE FINISHED WITH 5/8" THICK GYPSUM BOARD DRYWALL: TYPE III, GRADER, CLASS I. TYPE X SHALL BE UTILIZED FOR ALL FIRE RATED WALLS.
- ALL DRYWALL PRODUCTS SHALL BE PURCHASED FROM ONE MANUFACTURER SUCH AS USG OR AN APPROVED EQUAL. APPLY METAL CORNER BEADS TO ALL OUTWARD DRYWALL CORNERS. ALL JOINTS SHALL BE FINISHED WITH PERFORATED TAPE AND DRYWALL JOINT COMPOUND.
- 3. ALL WALLS AND CEILINGS SHALL BE TAPED, SPACKLED, SANDED AND READY FOR PAINT.
- 4. NOT USED
- 5. INSTALL BLOCKING AND BACKUPS TO SUPPORT ALL EDGES OF WALLBOARD.
- 6. KEEP WALLBOARDS MATERIALS DRY AND PROTECTED FROM MOISTURE. STORE WALLBOARD MATERIALS SO THEY ARE PROTECTED FROM DAMAGE TO SURFACE AND EDGES. MAINTAIN INTERIOR WORK ENVIRONMENT CLOSED IN, NOT EXPOSED TO WEATHER CLEAN, DRY, WELL-VENTILATED, WELL-LIGHTED, AND COMFORTABLE IN TEMPERATURE.
- 7. KEEP WORK OF TRADES SUCH AS CONDUIT, PIPE, AND DUCTS CLEAR OF THE INSIDE FACE OF WALL PANELS.

VTC

- 1. COLORS, TEXTURES AND PATTERNS WILL BE AS SELECTED BY THE OWNER FROM MANUFACTURER'S SAMPLES. DELIVERED TILE SHALL MATCH SAMPLES APPROVED BY THE OWNER.
- 2. KEEP WORK SURFACES AND WORKING ENVIRONMENT CLEAN, DRY, WELL—LIT, WELL—VENTILATED, FREE OF AIRBORNE CONSTRUCTION DUST AND AT A COMFORTABLE WORKING TEMPERATURE, MINIMUM OF 60 DEG. F.
- 3. PREPARE FLOORS FOR TILING SO THE FINISH FLOOR, WILL BE EITHER PERFECTLY LEVEL OR SLOPE PROPERLY TO DRAINS.
- 4. TILE MUST BE INSTALLED AS A COMPLETE, UNINTERRUPTED COVERING. EXTENDED TILE INTO RECESSES AND UNDER AND BEHIND FUTURE EQUIPMENT OR FIXTURES. TERMINATE TILE NEATLY AS EDGES, OBSTRUCTIONS, OR PENETRATIONS OF OTHER WORK.

CONTRACTOR SHALL FIELD VERIFY ALL
EXISTING CONDITIONS AND DIMENSIONS
PRIOR TO BID AND REPORT ANY
DISCREPANCIES BACK TO OWNER.
G.C. SHALL COORDINATE ALL SUB
CONTRACTORS AND ENSURE A COMPLETE
FULLY CODE COMPLIANT AND

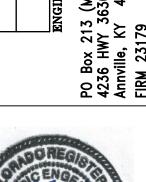
ISSUED / REVISIONS:

PROFESSIONALLY FINISHED TENANT SPACE.

ERING AND DESIGN PLLC

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PERSPIBE SAUNA STUDIO

830 SKY VIS SUITE 100 COLORADO

CHECKED BY: Staff

DRAWN BY: Staff

DATE: JUNE 17, 2024

SCALE: PER PLAN

PROJECT No.: PSS 2417

Ⅲ SHEET TITLE

SPECIFICATIONS

SHEET No.

SWITCH DESIGNATIONS

SLIDE DIMMER SWITCH LUTRON DIVA LED+ DIMMER SWITCH SWITCH FOR DIMMABLE LED SINGLE-POLE WHITE.

3 3 WAY SLIDE DIMMER SWITCH LUTRON DIVA LED+ DIMMER

© CEILING MOUNTED OCCUPANCY SENSOR CONTROL WITH INTEGRAL ADJUSTABLE TIMER. SET TO MAX 20 MINUTES.

(M) OCCUPANCY / MOTION SENSOR CONTROL WITH INTEGNAL

PER IECC C405.2.1.1, OCCUPANT SENSOR CONTROL FUNCTION

SHALL AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES

MANUAL ON OR CONTROLLED TO TURN ON LIGHTING TO NOT

AFTER ALL OCCUPANTS HAVE LEFT THE SPACE AND BE

SWITCH FOR DIMMABLE LED, 3-WAY, WHITE.

M MUSIC VOLUME CONTROL TO MATCH LUTRON CLARO

ADJUSTABLE TIMER. SET TO MAX 20 MINUTES.

(DL) CEILING MOUNTED DAY LIGHTING SENSOR CONTROL

(T) ADJUSTABLE WALL TIMER, MAXIMUM 20 MINUTES

\$ STANDARD LIGHT SWITCH LUTRON CLARO

3\$ 3 WAY LIGHT SWITCH LUTRON CLARO

MORE THAN 50% POWER.

GENERAL LIGHTING NOTES

ALL RECESSED LIGHTING FIXTURES SHALL BE RATED FOR CONTACT WITH INSULATION. LIGHT SWITCHES/CONTROLS TO BE MOUNTED AT 48"

CONTROL WIRING

ELECTRICAL CONTRACTOR SHALL ENSURE RECEIPT OF CONTROL

LIGHTING FIXTURES. E.C. SHALL BE RESPONSIBLE FOR ALL LOW

DIMMING / CONTROL SYSTEMS FOR ALL LIGHTING.

DEVICE WIRING SCHEMATICS FROM MANUFACTURER / SUPPLIER OF

VOLTAGE WIRING REQUIRED TO PROVIDE COMPLETE AND OPERABLE

- AFF TO CENTER OF CONTROL. LIGHTING SWITCHES INSTALLED IN TOILET ROOMS SHALL BE MOUNTED AT 40" AFF TO CENTER OF CONTROL COORDINATE WITH ELEVATIONS. DO NOT INSTALL ACROSS DISSIMILAR FINISHES. ALL SWITCHES, RECEPTACLES AND FACE PLATES TO BE
- WHITE FINISH. PROVIDED AND INSTALLED BY E.C. ALL EMERGENCY AND EXIT BATTERY BACKUP LIGHTING. BATTERY TO BE INSTALLED AHEAD OF ALL CONTROL. INSTALL PER MANUFACTURER WIRING DIAGRAM. E.C TO CLEARLY (MECHANICALLY) LABEL ALL SWITCHES FOR DEVICE SERVED.

 $\langle 1 \rangle$ E.C. COORDINATE ALL FINAL SIGNAGE LOCATIONS $\overline{\text{IN}}$ THE FIELD BASED ON PERMIT APPROVED SIGN DRAWING AND SHOP DRAWING SPEC AS APPROVED BY LANDLORD AND TENANT; DOCUMENTS TO BE PROVIDED BY EXTERIOR SIGNAGE CONTRACTOR. EXTERIOR SIGNAGE W/DISCONNECT ON BY PHOTOCELL AND OFF BY TIME CLOCK. ALL CONTROLS RATED FOR 20 AMPS. ALL SWITCHED AND RECEPT TO BE WHITE

LIGHTED MIRROR OUTLET TO BE LOCATED WITHIN A RECESSED POWER MANAGEMENT BOX THAT CAN ALSO HOUSE A 3" X 5" TRANSFORMER. RECESSED BOX AND POWER TO BE CONCEALED BEHIND THE MIRROR ONCE INSTALLED. LIGHTED MIRROR OUTLET TO BE CONNECTED TO THE RESTROOM SWITCH. MOUNT AT

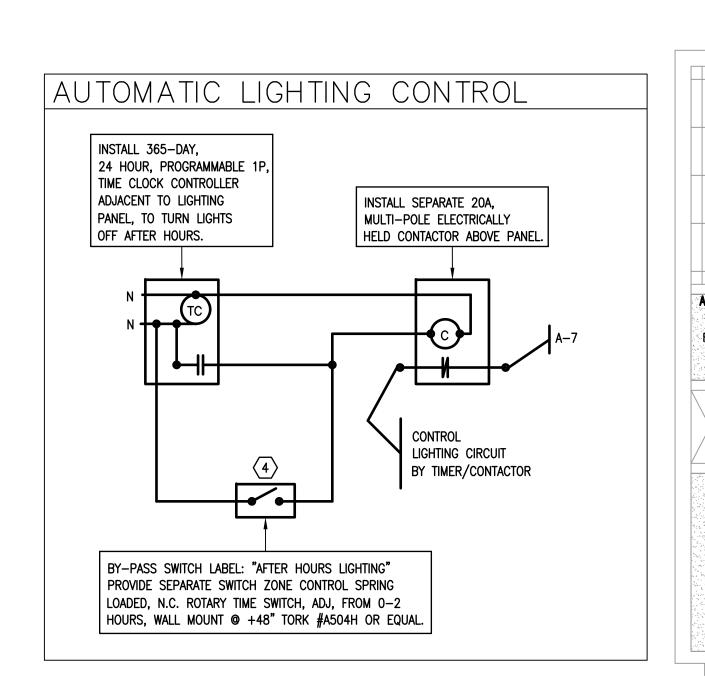
SHEET NOTES

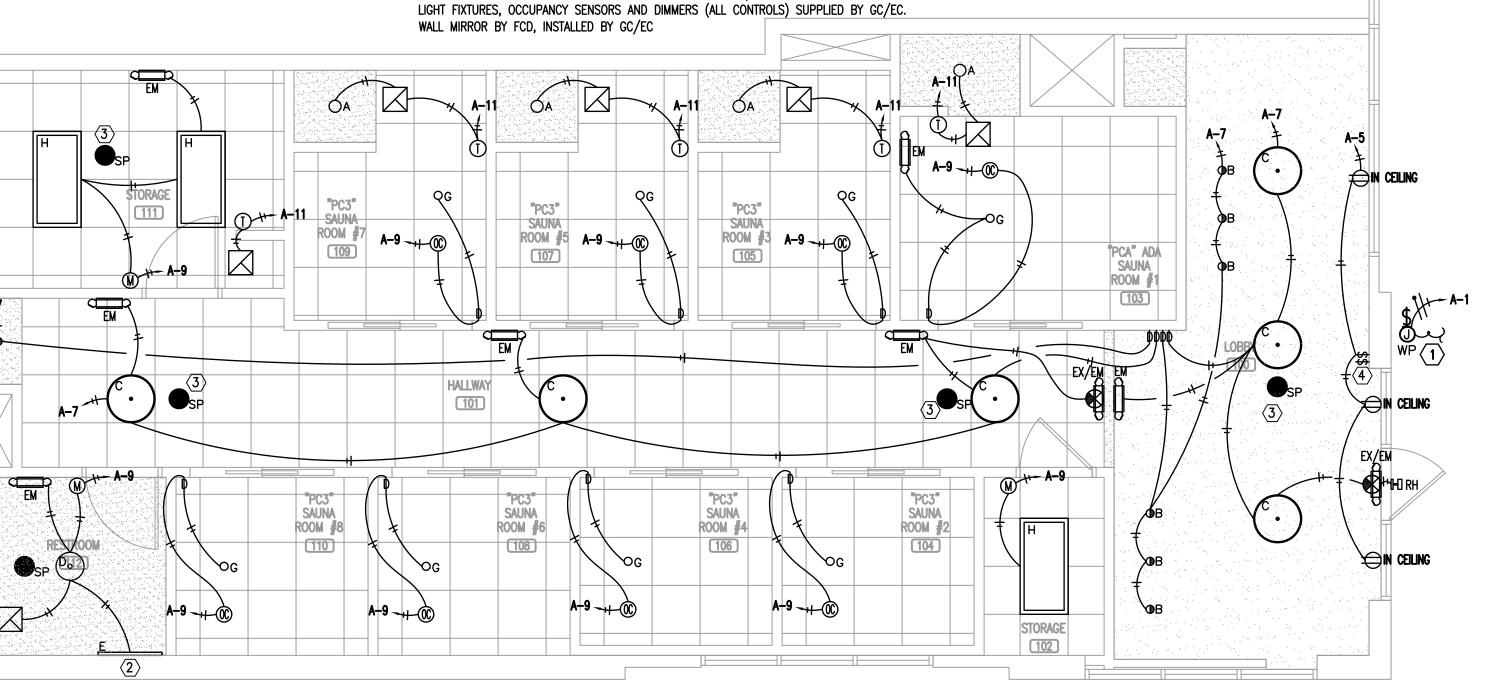
CEILING FLUSH MOUNTED SPEAKER (WHITE) FOR SONOS SYSTEM. TRIM FOR SPEAKER TO MATCH CEILING SURFACE. ROUTE SPEAKER WIRE FROM SPEAKERS BACK TO SONOS AND MAKE FINAL CONNECTIONS. OWNER WILL SUPPLY, E.C/G.C TO INSTALL. LOCATE SONOS ON SHELF HIGH ON PHONE BOARD. GC TO RUN SINGLE (2)WIRE 16 GAUGE SPEAKER WIRE FOR EACH SPEAKER. IF RUN IS OVER 80', GC TO RUN 14 GAUGE SPEAKER WIRE.

PROVIDE 2 HOUR OVERRIDE FOR AFTER HOURS LIGHTING. PROVIDED AND INSTALLED BY E.C.

WALL MOUNT ONLY

LIGHT FIXTURE LEGEND DESCRIPTION MANUFACTURER | MODEL NO. LAMPS LDN6 35/15 LO6WR LSS MVOLT EZ10 LED 13 WATTS DIMMABLE A 6" RECESSED CAN +11'-0" AFF IN GRID/GYP DAMP LOCATION FOR SHOWER ONLY LED 13 WATTS DIMMABLE H4571CTIE-ELG406-9-35-WH 4" RECESSED WALLWASH +11'-0" AFF 65262-962-BN-FAUX SILK LED 9.5 WATTS TYPE A19 97502S FROSTED 3000K DIMMABLE 4 X 9.5 = 38 WATTS VISUAL COMFORT | FABRIC SHADE 120-13H-24D 24" DRUM LIGHT (13" HIGH) AND COMPANY +8'-11" AFF. INSTALL WITH (1) 12" MANUFACTURER SUPPLIED ROD. 77262-962 SHADE: FAUX SILK LED 9.5 WATTS TYPE A19 97502S FROSTED 3000K DIMMABLE VISUAL COMFORT D 14" DRUM LIGHT FINISH: BRUSHED NICKEL (962) AND COMPANY $| 2 \times 9.5 = 19 \text{ WATTS} |$ +7'-3" AFF LED 20 WATTS E | WALL MIRROR (BACKLIT) FCDADSON +3'-2" AFF TO BOTTOM OF MIRROR LDN4 35/15 LO4 DOWNLIGHT WR LSS MVOLT EZ10 LED MOUNTED IN CEILING GO 4" RECESSED CAN LITHONIA 2BLT4 2X4 BLT, 40L 4000, ADP EZ1, P835 82CRI 3500K (DIMMABLE) 2'X4' LAYIN LED TROFFER 34W LED RH | EXTERIOR REMOTE EMERGENCY HEAD INTEGRAL WALL MOUNT ONLY EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP BEST LEDR1 INTEGRAL WALL MOUNTED 12" BELOW CEILING. MAX 108"AFF EM COMBINATION EXIT / EMERGENCY LIGHT FIXTURE WITH 90 MINUTE BATTERY BACKUP CXTEU2GWRC INTEGRAL WALL MOUNT ONLY EX EXIT LIGHT FIXTURE EXTEU2GW-EM INTEGRAL WITH 90 MINUTE BATTERY BACKUP

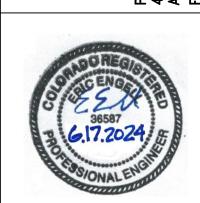




NOT ALL FIXTURES ARE NECESSARILY IN USE. LIGHT SWITCHES/CONTROLS TO BE MOUNTED AT 48" A.F.F. TO CENTER OF CONTROL.

LIGHTING PLAN NORTH

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE. ISSUED / REVISIONS:



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SCALE: JUNE 17, 2024 PER PLAN

PROJECT No.: PSS 2417 □ SHEET TITLE **ELECTRICAL** LIGHTING

PLAN SHEET No.

 $\langle \overline{7} \rangle$ maintain existing demising wall fire rating (if

SHEET NOTES

RECEPTACLE ABOVE CEILING FOR WIRELESS HUB. G.C./E.C. TO PROVIDE AND INSTALL ADDITIONAL SHELF ABOVE CEILING FOR HUB.

 $\langle \overline{2} \rangle$ sauna receptacle and switch to mounted at 90"AFF TO CENTER OF RECEPTACLE. INSTALL POWERTEC 71008 110/220V SINGLE PHASE ON/OFF SWITCH OR EQUAL ADJACENT TO RECEPTACLE FOR CONTROL OF RECEPTACLE.

4 SUPPLY AN EMPTY CONDUIT FROM THE PHONE BOARD TO UNDER THE POS COUNTER WITH PULL STRING AND BLANK FACE PLATE FOR FUTURE LOW VOLTAGE WORK, BY OTHERS.

 $\langle 5 \rangle$ all TV receptacles and data outlets to be RECESSED IN WALL. 2-GANG RECESSED TV MEDIA BOX KIT. INSTALL AT 54"AFF.

6 COORDINATE WITH MANUFACTURER INSTALL MANUAL FOR POWER TO WATER MACHINE. MOUNT REMOTE COOLER ABOVE CEILING.

ANY). INSTALL FIRE RATED PUTTY PADS SHALL BE INSTALLED PER CBC 714.4.

(8) GFCI RECEPTACLE AT 18" AFF BELOW SINK UNDER VANITY FOR FAUCET POWER.

(9) 60" WIDE X 44" TALL 3/4" PLYWOOD PHONE BOARD PAINTED TO MATCH ADJACENT FINISH. INSTALL TOP OF PHONE BOARD TIGHT TO CEILING ABOVE. INSTALL QUAD RECEPTACLES BELOW PHONE BOARD AT 88" TO THE TOP OF RECEPTACLE (TOP OF RECEPTACLES AT THE BOTTOM OF PHONE BOARD).

(10) ALL POWER AND DATA SHOULD BE STACKED 2 HIGH AT THE POS LOCATION. FINAL LOCATION TO BE COORDINATED WITH MILLWORK SHOP DRAWINGS.

(11) CHILLER CONTROL TO BE LOCATED ABOVE SHOWER CEILING WITH ACCESS FROM DROP CEILING. GFCI OUTLET TO BE AVAILABLE FOR SHOWER HEAD AND CONTROLS. FINAL CONNECTION TO CHILLER SYSTEM CONTROL TO BE DETERMINED BY MANUFACTURER. GC TO CONFIRM CHILLER SYSTEM SETUP PRIOR TO ROUGH-IN ELECTRICAL AND PLUMBING.

ROTTOM OF ROY

NOTE: ALL TV AND DATA OUTLETS ARE TO BE RECESSED.

COMMUNICATION WIRING

· ALL VOICE/DATA WIRING TO BE CAT 6 RATED. (MIN) 2 HOME RUN TO EACH, PHONE, DATA OR FAX. PATCH PANEL AND PHONE BLOCK BY VENDOR. INSTALLED BY EC. ALL WIRING TO BE CLEARLY MARKED ON BOTH ENDS WITH MACHINE PRINTED WIRE NUMBERS

ALL VOICE / DATA JACKS TO BE CLEARLY LABELED WITH MACHINE PRINTED LABELS LOW VOLTAGE WIRING SHALL BE COLOR CODED PER

INDUSTRY STANDARD • TELEPHONE SYSTEM MUST BE CAPABLE OF 4 VOICE LINES AND A DEDICATED HIGH SPEED INTERNET CONNECTION. WIRING SHALL TERMINATE AT PHONE/ DATA BOARD · G.C. SHALL BE RESPONSIBLE TO COMPLETE INSTALLATION

OF COMMUNICATION SERVICES WITHIN SPACE.

GENERAL NOTES

1. BRANCH CIRCUIT WIRING SHALL BE AS FOLLOWS: A. LIGHTING AND POWER NETWORKS: (120/208V, 3ø, 4W) 1) 100 FEET OR LESS:

PHASE – 3#12 AWG NEUTRAL – 1#12 AWG GROUND – 1#12 AWG

2) GREATER THAN 100 FEET: INCREASE ALL CONDUCTORS BY ONE WIRE GUAGE SIZE. 3) TWO NETWORKS MAXIMUM PER CONDUIT.

2. PROVIDE SINGLE GANG JUNCTION BOX FOR EACH TELEPHONE LOCATION WITH 3/4" CONDUIT STUBBED TO 6" ABOVE CEILING EXTEND TELEPHONE FROM OUTLET TO TELEPHONE BOARD LOCATION PER PLAN.

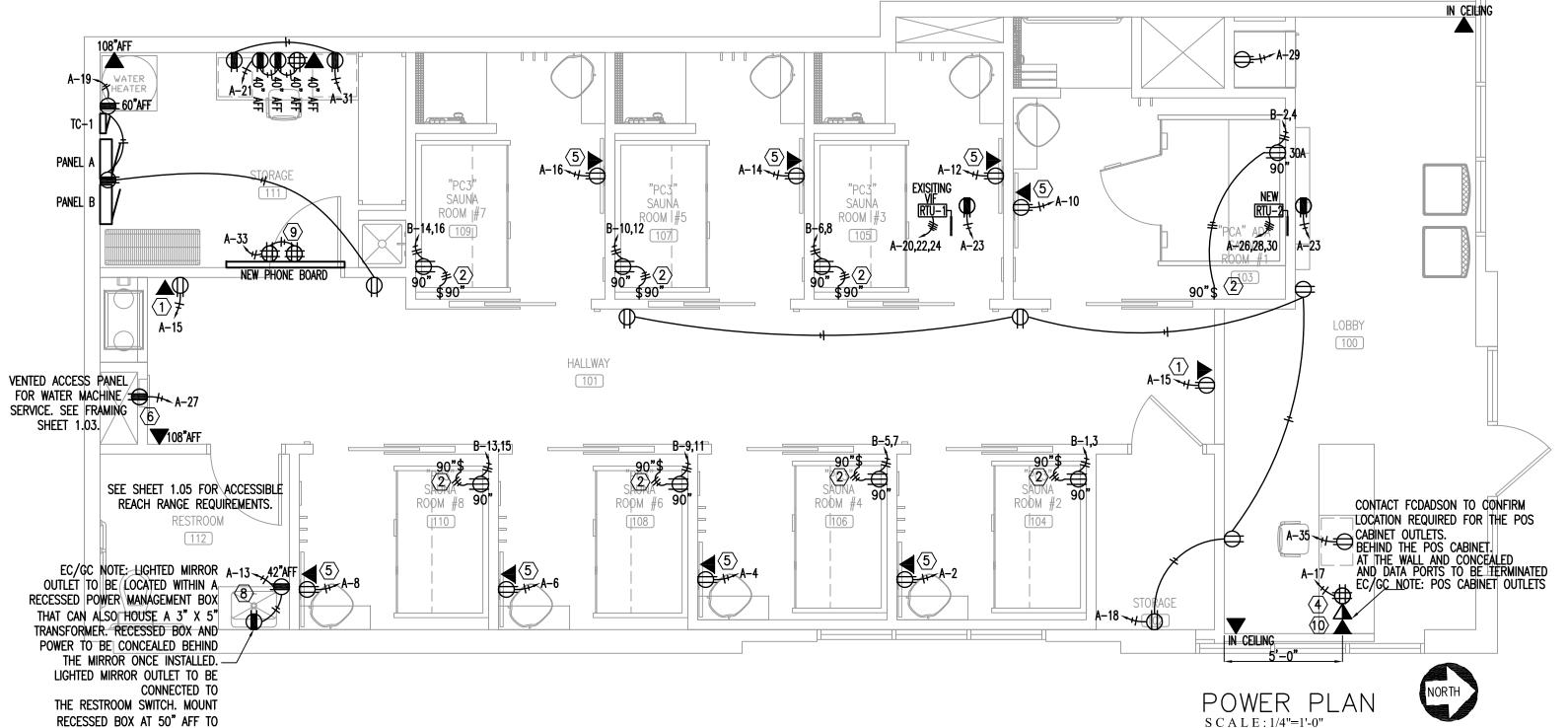
3. MINIMUM CONDUIT SIZE SHALL BE 3/4", UNLESS OTHERWISE NOTED OR INDICATED.

TV MOUNT

G.C. TO PROVIDE FIRE TREATED BLOCKING FOR TV MOUNTS ACROSS 3 STUD BAYS.

ELECTRICAL SYMBOLS POWER PANELBOARD OR DISTRIBUTION PANEL 3/4" GIS FIRE TREATED PLYWOOD. PAINTED TO MATCH ADJACENT FINISH RECEPTACLES & OUTLETS (MOUNT CENTER OF BOX AT 18" AFF U.N.O.)(ALL DIM NOTED TO CENTER OF BOX) RECEPTACLE, 20A, 208V, SINGLE PHASE NEMA 6-20P WIRE GROUNDED TYPE (WHITE) FOR SAUNA VERIFY FINAL CONNECTION WITH MANUFACTURER INSTALLATION MANUAL. RECEPTACLE, 30A, 208V, SINGLE PHASE NEMA 6-30P WIRE GROUNDED TYPE (WHITE) FOR SAUNA VERIFY FINAL CONNECTION WITH MANUFACTURER INSTALLATION MANUAL. DUPLEX RECEPTACLE, 20A, 120V, 3 WIRE GROUNDED TYPE (WHITE) DOUBLE DUPLEX RECEPTACLE OUTLET, MTD., IN 2-GANG BOX W/SINGLE COVER PLATE (WHITE) ALL POWER INTHIN 6'-0" OF WATER SOURCE TO BE GFCI RATED. GFCI DUPLEX RECEPTACLE, 20A, 120V, 3 WIRE GROUNDED TYPE (WHITE) COMMUNICATION — DUPLEX DATA (ETHERNET) JACK (2 RUNS) (RJ45) (CAT5E OR BETTER) COMMUNICATION - DUPLEX PHONE JACK (RJ45) (CAT5E OR BETTER)

COMMUNICATION - PHONE / DATA OUTLET (WHITE) (2 SEPERATE RUNS) (RJ45) (CATSE OR BETTER)



CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE. ISSUED / REVISIONS:



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830 SKY VIST SUITE 100 COLORADO (000 000 000 000 CHECKED BY: Staff DRAWN BY: Staff DATE: JUNE 17, 2
SCALE: PER PLAN
PROJECT No.: PSS 2417 JUNE 17, 2024 PER PLAN □ SHEET TITLE

ELECTRICAL POWER PLAN

SHEET No.

GENERAL NOTES

- 1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL AND STATE CODES.
- 2. ALL MATERIAL, EQUIPMENT AND APPLIANCES SHALL BE NEW AND SHALL CONFORM TO THE STANDARDS OF THE UNDERWRITER'S LABORATORIES, INC. AND THE NATIONAL MANUFACTURER'S ASSOCIATION.
- 3. ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.
- 4. ELECTRICAL CONTRACT DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF ELECTRICAL EQUIPMENT. DO NOT SCALE ELECTRICAL PLANS. OBTAIN ALL DIMENSIONS FROM THE ARCHITECT'S DIMENSIONED DRAWINGS AND FIELD MEASUREMENTS. THE CONTRACTOR SHALL REVIEW ARCHITECTURAL PLANS FOR DOOR SWINGS AND BUILT—IN EQUIPMENT; CONDITIONS INDICATED ON THOSE PLANS SHALL GOVERN FOR THIS WORK.
- 5. VERIFY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION OF ELECTRICAL SERVICE WITH LOCAL POWER COMPANY PRIOR TO PROJECT START. NOTIFY ENGINEER OF ANY CHANGES.
- 6. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE FROM CERTIFICATE OF OCCUPANCY.
- 7. A COMPLETE GROUNDING SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ARTICLE 250 OF THE NEC, AND AS SHOWN ON THE DRAWINGS.
- 8. ALL CUTTING PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. DO NOT CUT ANY MATERIAL THAT WILL WEAKEN THE STRUCTURE WITHOUT WRITTEN PERMISSION OF THE ARCHITECT. PATCHING SHALL BE ACCOMPLISHED TO MATCH ADJACENT SURFACES IN EVERY RESPECT. ENGAGE ORIGINAL INSTALLER FOR CUTTING/PATCHING OF ROOFS.
- 9. PROVIDE A TYPED DIRECTORY IN ALL PANELBOARDS CLEARLY DESCRIBING THE LOCATION AND TYPE OF LOAD SERVED FOR ALL CIRCUITS.
- 10. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL PANELBOARDS AND DISCONNECT SWITCHES, WHITE LETTERS ON BLACK BACKGROUND. NAMEPLATE SHALL CONTAIN EQUIPMENT DESIGNATION, VOLTAGE, FEEDER SOURCE & DATE.
- 11. PROVIDE "FLASH HAZARD" LABELS FOR ALL PANELBOARDS IN ACCORDANCE WITH NEC REQUIREMENTS.
- 12. ALL TERMINALS/LUGS SHALL BE 60 DEGREES/75 DEGREE RATED.
- 13. FUSES 0-600 AMPS SHALL BE UL CLASS "RK-5" LOW PEAK DUAL ELEMENTS TIME DELAY WITH 200,000 AMPERE INTERRUPTING RATING AS MANUFACTURED BY BUSSMAN UNLESS NOTED OTHERWISE.
- 14. ALL WATER HEATERS SHALL HAVE DISCONNECT SIZED PER 422.22(E)(3).
- 15. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT REGARDLESS OF WHO SUPPLIES THE EQUIPMENT. THIS INCLUDES ALL HVAC, PLUMBING AND OWNER FURNISHED EQUIPMENT CONNECTIONS OF 120V OR HIGHER.
- 16. RACEWAYS SHALL BE INSTALLED CONCEALED IN NEW WALL CONSTRUCTION, ABOVE CEILINGS, BELOW FLOOR AND IN OTHER CAVITIES TO THE GREATEST EXTENT POSSIBLE. WHERE EXPOSED RACEWAYS MUST BE USED, LAYOUT RACEWAYS TO MINIMIZE THE NUMBER OF VERTICAL RUNS.
- 17. ALL EXPOSED RACEWAYS SHALL BE RUN PARALLEL TO THE BUILDING SURFACES AND SHALL BE PAINTED AS DIRECTED BY THE ARCHITECT. NO EXPOSED CONDUIT SHALL BE ALLOWED IN FINISHED SPACES EXCEPT AS PERMITTED BY THE OWNER OR ARCHITECT. EXPOSED RACEWAY IN FINISHED SPACES SHALL BE WIREMOLD TYPE.
- 18. BEFORE COMMENCING WITH ANY ROUGH—IN, COORDINATE THE EXACT LOCATION AND MOUNTING HEIGHT OF ALL WALL MOUNTED DEVICES WITH THE ARCHITECTURAL INTERIOR ELEVATIONS, CASEWORK, SHOP DRAWINGS, AND EXISTING CONDITIONS. IF ANY DISCREPANCIES ARE DISCOVERED, NOTIFY THE ARCHITECT FOR FURTHER DIRECTION. MINOR ADJUSTMENTS IN DEVICE LOCATION, 1. 5'—0" IN ANY DIRECTION SHALL BE DONE AT NO ADDITIONAL COST TO THE CONTRACT.
- 19. ALL WIRING SHALL BE INSTALLED IN IMC, RMC, EMT OR TYPE AC FLEXIBLE CABLE. RNC CONDUIT (PVC) SHALL ONLY BE USED UNDERGROUND AND OUTDOORS, WHERE NOT SUBJECT TO PHYSICAL DAMAGE. MINIMUM SIZE CONDUIT SHALL BE 3/4". AC FLEXIBLE CABLE SHALL BE USED ONLY IN AREAS PERMITTED BY CODE.
- 20. ALL FLEX SHALL BE LIQUID TIGHT FLEXIBLE METAL.
- 21. PROVIDE A PULL WIRE OR FISH TAPE IN ALL EMPTY CONDUITS. PROVIDE A BLANK COVER PLATE OVER ALL UNUSED BOXES INCLUDING DATA/COMM BOXES.
- 22. WHERE A SINGLE HOMERUN IS SHOWN THE CIRCUIT SHALL BE INSTALLED IN A DEDICATED CONDUIT, DO NOT COMBINE WITH OTHER CIRCUITS. WHERE A CIRCUIT HOMERUN IS NOT SHOWN THE CONTRACTOR SHALL COMBINE CIRCUITS, WHERE A CIRCUIT HOMERUN IS NOT SHOWN THE CONTRACTOR SHALL COMBINE CIRCUITS AS FOLLOWS AND IN ACCORDANCE WITH THE NEC:

 A MAXIMUM OF THREE 20A., 1POLE BRANCH CIRCUITS MAY BE COMBINED IN A
- COMMON HOMERUN SHARING A COMMON NEUTRAL OR WITH SEPARATE NEUTRALS, FOR A TOTAL OF SIX CURRENT CARRYING CONDUCTORS. ALL BRANCH CIRCUITS LARGER THAN 20A. SHALL BE SEPARATE HOMERUN TO PANEL.
- SIZE SHALL BE NO. 12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL WIRE #8 AWG AND LARGER SHALL BE STRANDED, #10 THRU #12 AWG CONDUCTORS SHALL BE SOLID. ALL INSULATION TYPES SHALL BE THWN OR THHN.

23. CONDUCTORS SHALL BE COPPER, RATED AT NO LESS THE 600 VOLTS. MINIMUM

- 24. 20A/120V BRANCH CIRCUITS EXCEEDING 100' IN LENGTH FROM PANEL TO FARTHEST DEVICE SHALL USE NO. 10 CONDUCTORS AND 3/4"C.
- 25. FOR EVERY WORKING DEVICE MARK THE BRANCH CIRCUIT TO WHICH IT IS CONNECTED ON THE BACK OF EACH DEVICE PLATE, USING AN INDELIBLE MARKER PEN.
- 26. NOT USEE
- 27. EXACT LOCATION OF ALL FLOOR-MOUNTED OUTLETS SHALL BE COORDINATED WITH THE ARCHITECT BEFORE ROUGH-IN.
- 28. TWO OR MORE ADJACENT POWER OR COMMUNICATION RECEPTACLES SHALL BE GANGED WITH A COMMON FACE PLATE IF THEY CAN NOT BE GANGED THEY SHALL BE
- 29. WALL RECEPTACLES SHOWN BACK TO BACK MAY BE OFFSET BUT SHALL BE INSTALLED DIRECTLY ADJACENT TO ONE ANOTHER.
- 30. LIGHT SWITCHES SHALL BE NO MORE THAN 6" FROM EDGE OF DOOR FRAME.

INSTALLED WITH A MINIMUM DISTANCE BETWEEN UNITS.

- 31. WHERE PENETRATIONS ARE MADE THROUGH A REQUIRED FIRE—RESISTIVE WALL, OR PARTITION FOR THE PURPOSE OF RUNNING RACEWAY CARRYING ELECTRICAL, TELEPHONE, TELEVISION, OR LOCAL COMMUNICATION AND/OR SIGNALING CIRCUITS, THE OPENING AROUND THE RACEWAY SHALL BE FIRE STOPPED PER THE STATE BUILDING CODE. COORDINATION WITH THE GENERAL CONTRACTOR SHALL BE MAINTAINED TO INSURE THAT THIS FIRE STOPPING IS ACCOMPLISHED. USE APPROVED ASSEMBLIES SUCH AS THE FOLLOWING:
 - * CONDUIT PENETRATIONS OF 1,2,3, & 4 HOUR GYP BOARD WALLS U.L.#WL1001 * CONDUIT PENETRATIONS OF 2,3, & 4 HOUR CONCRETE OR BLOCK WALLS — U.L.#CAJ1001 * CONDUIT PENETRATIONS OD 2,3,& 4 HOUR CONCRETE FLOORS — U.L.#CAJ1001
 - * CONDUIT PENETRATIONS OF 1 HOUR GYP BOARD CEILING ASSEMBLY L526

 * MULT. CONDUIT PENETRATIONS OF 2,3,& 4 HOUR CONCRETE OR BLOCK WALL OR FLOOR CAJ1042
- 32. IN REQUIRED FIRE RATED WALLS AND PARTITIONS, OPENINGS FOR INSTALLATION OF OF BOXES THAT ARE GREATER THAN 16 SQUARE INCHES SHALL BE PROTECTED AS REQUIRED BY U.L. COORDINATE CLOSELY WITH THE GENERAL CONTRACTOR TO INSURE THAT THE INTEGRITY OF THE U.L. RATING IS MAINTAINED.
- 33. OUTLET BOXES FOR DEVICES MOUNTED ON OPPOSITE SIDES OF FIRE RATED PARTITIONS SHALL NOT BE MOUNTED IN THE SAME WALL CAVITY. SEPARATED WALL PENETRATIONS BY MOUNTING ON OPPOSITE SIDES OF WALL STUDS OR OTHER VERTICAL STRUCTURAL MEMBERS IN THE WALL.
- 34. (SEISMIC REQUIREMENTS) ELECTRICAL EQUIPMENT SHALL MEET THE REQUIREMENTS OF SECTION 1621 OF THE 2002 IBC.
- 35. ELECTRICAL CONTRACTOR SHALL VERIFY THAT ALL AREAS IN WHICH FOOD IS PREPARED, OR IN WHICH UTENSILS ARE WASHED, SHALL BE PROVIDED WITH AT LEAST 50FC OF LIGHT ON FOOD PREPARATION WORK LEVELS AND AT UTENSILS WASHING WORK LEVELS. AT LEAST 10FC OF LIGHT AT 30 INCHES ABOVE THE FLOOR SHALL BE PROVIDED IN ALL OTHER WORK AREAS, INCLUDING STORAGE ROOMS AND WALK—IN UNITS. LIGHT BULBS IN FOOD PREPARATION, STORAGE, AND DISPLAY AREAS SHALL BE SHATTERPROOF OR SHIELDED SO AS TO PROTECT AGAINST BREAKAGE BY A SHIELD SURROUNDING AND EXTENDING BEYOND THE BUILD, LEAVING ONLY THE FACE OF THE BULB EXPOSED.

CODE LOAD ANALYSIS PER N.E.C.

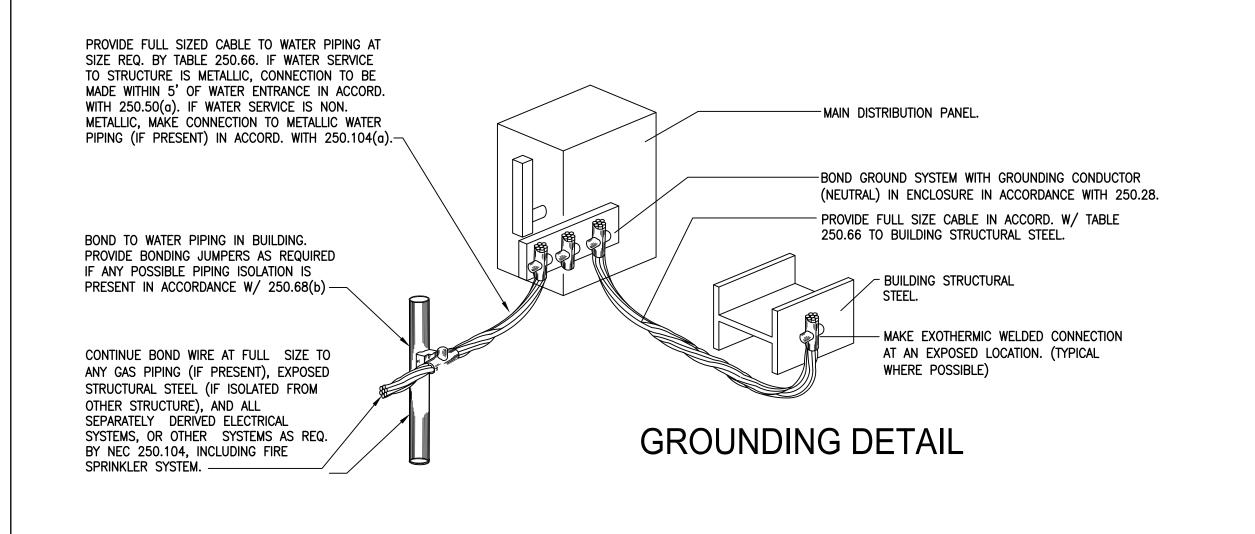
	CODE LOAD ANAL	YSIS PANEL A	
LOAD DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	KVA DEMAND
LIGHTING - EXTERIOR	0	125%	0
LIGHTING - INTERIOR	1627	125%	2034
SIGNAGE	1200	125%	1500
RECEPTACLES	10000	FIRST 10 KW 100%	10000
	6320	REMAINDER @ 50%	3160
KITCHEN EQUIPMENT	0	65%	0
WATER HEATING	0	125%	0
HVAC EQUIPMENT	18720	100%	18720
		LGT MOTOR @25%	750
SAUNAS	29590	100%	29590
MISC.	0	100%	0
TOTALS	67457		63894
CALCULATED SERVIC	E DEMAND AMPERES	17	7 amps

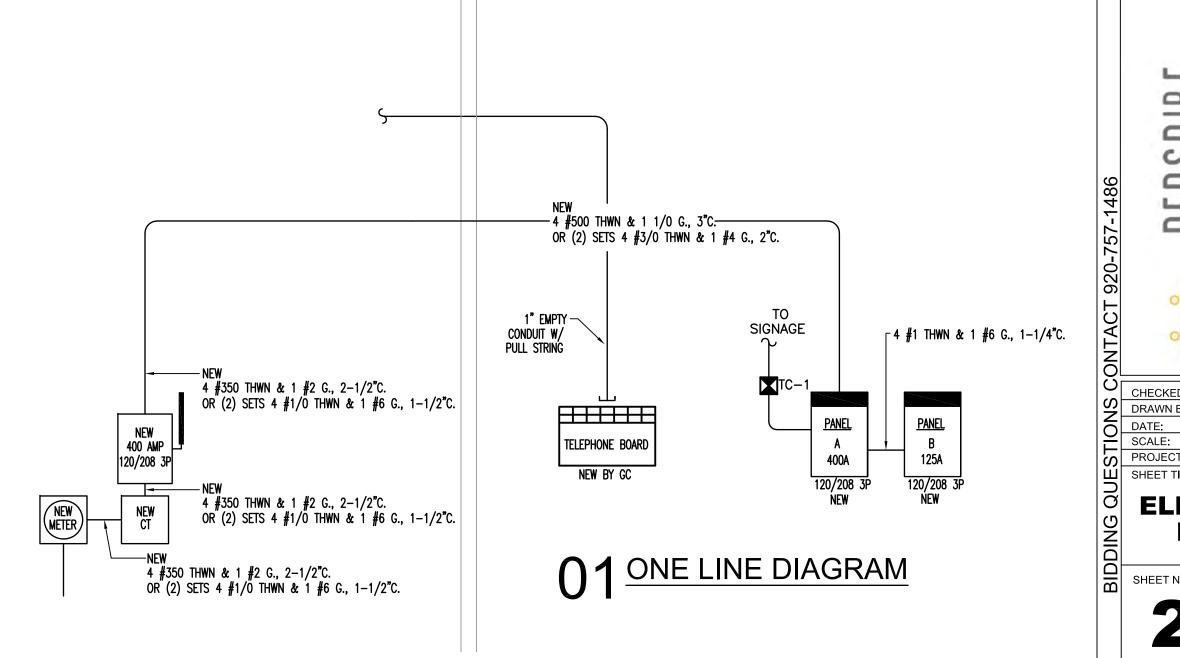
		NEW REC	ESSED MOUNTED NEMA 1		400 AMF	P MAIN CIRCU	JIT BREAK	ER	120 / 208 / 3Ø / 4WIRE 10,0	000 AIC (VIF)		
CIRCUIT 1	TYPE	WIRE AND		CIRCUIT		DAD WATTS		CIRCUIT	· · · · · · · · · · · · · · · · · · ·	WIRE AND	TYPE	CIRCUI
BREAKER		CONDUIT	SERVED	NUMBER	ØA	ØB	ØC	NUMBER	SERVED	CONDUIT		BREAKE
0A / 1P	TC-1	2-#12 THHN & 1# 12 G, 3/4" C.	EXTERIOR SIGNAGE	1	1200							
.0A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	TIME CLOCK CONTROLLER	3	720	360		2	SAUNA ROOM 104 CONVENIENCE RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A /
.0A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	STOREFRONT RECEPTACLES	5		720	1800	4	SAUNA ROOM 106 CONVENIENCE RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A /
.0A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	LIGHTING	7	349		720	6	SAUNA ROOM 108 CONVENIENCE RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A /
0A / 1P	GFCI	2-#12 THHN & 1# 12 G, 3/4" C.	LIGHTING	9	720	401		8	SAUNA ROOM 110 CONVENIENCE RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A /
0A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	LIGHTING	11		720	877	10	SAUNA ROOM 103 CONVENIENCE RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A /
0A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	RESTROOM 112 RECEPTACLES	13	360		720	12	SAUNA ROOM 105 CONVENIENCE RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A /
0A / 1P	IG	2-#12 THHN & 1# 12 G, 3/4" C.	WIFI ROUTER	15	720	360		14	SAUNA ROOM 107 CONVENIENCE RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A /
0A / 1P	IG	2-#12 THHN & 1# 12 G, 3/4" C.	POS RECEPTACLES	17		720	540	16	SAUNA ROOM 109 CONVENIENCE RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A /
0A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	CONVENIENCE RECEPTALES	19	540		900	18	CONVENIENCE RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A /
0A / 1P	IG	2-#12 THHN & 1# 12 G, 3/4" C.	STORAGE 111 DESK RECEPTACLES	21	3120	720		20				35A
0A / 1P		2-#12 THWN & 1# 12 G, 3/4" C.	HVAC SERVICE RECEPTACLES	23		3120	360	22	RTU-1	4-#8 THHN & 1# 8 G, 3/4" C.	HACR	
			SPACE	25	0		3120	24				
0A / 1P	GFCI	2-#12 THHN & 1# 12 G, 3/4" C.	WATER MACHINE	27	3120	480		26				35A
0A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	LOBBY FRIDGE	29		3120	540	28	RTU-2	4-#8 THHN & 1# 8 G, 3/4" C.	HACR	
0A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	STORAGE ROOM 111 FRIDGE	31	720		3120	30				(
20A / 1P	G LOD	2-#12 THHN & 1# 12 G, 3/4" C.	PHONE EQUIPMENT	33	0	720		32	SPACE			
0A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	LOBBY FRIDGE	35		0	360	34	SPACE			
			SPACE	37	0		0	36	SPACE			
			SPACE	39	11135	0		38				125A
			SPACE	41		11135	0	40	PANEL B	4-#1 THHN & 1# 6 G, 1-1/4" C.	HACR	
							9120	42				;
					22704	22576	22177		TOTAL CONNECTED LOAD WATTS	67457		
		PROVIDE WITH GROUNDED) BUS	_					TOTAL LOAD KVA / AMPS	67.5	187.4	

CODE LOAD ANALYSIS	PER N.E.C.
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LOAD DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	KVA DEMAND
LIGHTING - EXTERIOR	0	125%	0
LIGHTING - INTERIOR	0	125%	0
SIGNAGE	0	125%	0
RECEPTACLES	1800	FIRST 10 KW 100%	1800
	0	REMAINDER @ 50%	0
KITCHEN EQUIPMENT	0	65%	0
WATER HEATING	0	125%	0
HVAC EQUIPMENT	0	100%	0
		LGT MOTOR @25%	0
SAUNAS	29590	100%	29590
MISC.	0	100%	C
TOTALS	31390		31390
CALCULATED SERVIC	E DEMAND AMPERES	<u> </u>	37 amps

					ELECT	RICAL PA	NEL SCH	IEDULE	В				
		NEW SURFACE MOUNT	ED NEMA 1		FULLY RAT	TED 125 AMP	MAIN BREA	KER	120 / 208 / 3Ø / 4WIRE	08 / 3Ø / 4WIRE 22,000 AIC (VIF)			
CIRCUIT	TYPE	WIRE AND	LOAD	CIRCUIT		LOAD WATTS	3	CIRCUIT	LOAD	WIRE AND	TYPE	CIRCU	/IT
BREAKER	₹	CONDUIT	SERVED	NUMBER	ØA	ØB	ØC	NUMBER	SERVED	CONDUIT		BREAK	ER
20A	HACR	3-#12 THHN & 1# 12 G, 3/4" C.	SAUNA RM 104	1	1830								
2	2P			3	1985	1830		2	SAUNA RM 103	3-#8 THHN & 1# 8 G, 3/4" C.	HACR	30A	
20A	HACR	3-#12 THHN & 1# 12 G, 3/4" C.	SAUNA RM 106	5		1985	1830	4					2F
2	2P			7	1830		1830	6	SAUNA RM 105	3-#12 THHN & 1# 12 G, 3/4" C.	HACR	20A	
20A	HACR	3-#12 THHN & 1# 12 G, 3/4" C.	SAUNA RM 108	9	1830	1830		8					2
2	2P			11		1830	1830	10	SAUNA RM 107	3-#12 THHN & 1# 12 G, 3/4" C.	HACR	20A	
20A	HACR	3-#12 THHN & 1# 12 G, 3/4" C.	SAUNA RM 110	13	1830		1830	12					2
2	2P			15	1830	1830		14	SAUNA RM 109	3-#12 THHN & 1# 12 G, 3/4" C.	HACR	20A	
			SPACE	17		1830	0	16					21
			SPACE	19	0		1800	18	SPARE	2-#12 THHN & 1# 12 G, 3/4" C.		20A	11
			SPACE	21	0	0		20	SPACE				
			SPACE	23		0	0	22	SPACE				
			SPACE	25	0		0	24	SPACE				
			SPACE	27	0	0		26	SPACE				
			SPACE	29		0	0	28	SPACE				
							0	30	SPACE				
					11135	11135	9120	TOTA	L CONNECTED LOAD WATTS	31390		_	
		PROVIDE WITH GROUNDE	D BUS	_					TOTAL LOAD KVA / AMPS	31.4	87.2		
												=	

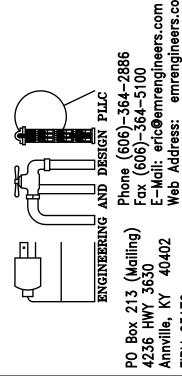




CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

FULLY CODE COMPLIANT AND FESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:







CHECKED BY: Staff
DRAWN BY: Staff
DATE: JUNE 17, 2024
SCALE: PER PLAN
PROJECT No.: PSS 2417
SHEET TITLE

ELECTRICAL PANELS

HEET No.

Project Information

2021 IECC Energy Code: Project Title: Perspire Sauna Studio Denver Colorado Project Type: Alteration

Construction Site: Owner/Agent: Designer/Contractor: 2450 South University Blvd Denver, Colorado 80210

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
Unspecified	0	0.00	0
2-CORRIDOR (Common Space Types; Corridor/Transition <8 ft wide)	310	0.71	220
3-STORAGE (Common Space Types:Storage >=50 - <=1000 sq.ft.)	300	0.38	114
4-SAUNA (Common Space Types:Office - Enclosed)	590	0.74	437
5-RECEPTION (Common Space Types:Lobby - General)	290	0.84	244
6-RESTROOM (Common Space Types:Restrooms)	67	0.63	42
7-OFFICE (Common Space Types:Office - Enclosed)	80	0.74	59
	_ 1	Fotal Allowed Watts =	1116

Proposed Interior Lighting Power A	В	c	D	E
Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps/ Fixture	# of Fixture	Fixture Watt.	(C X D)
Select Area Category (0 sq.ft.)		- 4	- 25	- 305
LED: C: LED PENDANT: LED A Lamp 9W: LED: C: LED PENDANT: LED A Lamp 9W:	4	4	38	114 152
CORRIDOR (Common Space Types: Corridor/Transition <8 ft wide, 310 sq.ft.	1			
STORAGE (Common Space Types: Storage >=50 - <=1000 sq.ft., 300 sq.ft.) LED: H: 2X4 LED: LED Panel 33W:	1	4	34	136
SAUNA (Common Space Types: Office - Enclosed, 590 sq.ft.) LED: G: LED DOWNLIGHT: LED PAR 10W: LED: LED PAR 13W:	1	9	10 13	90 26
RECEPTION (Common Space Types: Lobby - General, 290 sq.ft.) LED: C: LED PENDANT: LED A Lamp 9W: LED: B: LED DIRECTIONAL DOWNLIGHT: LED PAR 10W:	4	3	38 13	114 78
RESTROOM (Common Space Types: Restrooms, 67 sq.ft.) LED: D: LED PENDANT: LED A Lamp 9W:	4	1	19	19
OFFICE (Common Space Types: Office - Enclosed, 80 sq.ft.) LED: H: 2X4 LED: LED Panel 33W:	1	2	34	68
	To	tal Propose	ed Watts =	531

Project Title: Perspire Sauna Studio Denver Colorado Report date: 10/19/23 Data filename: Page 1 of 6

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
	Spaces required to have light- reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C405.2.1, 2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by timeswitch.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C405.2.1. 3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C405.2.2, C405.2.2, 1 [EL21] ²	Each area not served by occupancy sensors (per C405.2.1.1) have timeswitch controls and functions detailed in sections C405.2.2.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: Perspire Sauna Studio Denver Colorado Report date: 10/19/23 Page 4 of 6 Data filename:

Interior Lighting TBD: Invalid building use type

Report date: 10/19/23

Page 2 of 6

COMcheck Software Version COMcheckWeb

Energy Code: 2021 IECC

Requirements: 97.0% were addressed directly in the COMcheck software

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

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions	
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.		Requirement will be met.	

Additional Comments/Assumptions:

Final Inspection

C408.1.1 Building operations and maintenance Complies [FI57]¹ documents will be provided to the Does Not

[FI16]³ electric power systems within 90 days Does Not

C408.3 Lighting systems have been tested to Complies [FI33]¹ ensure proper calibration, adjustment, Does Not

C303.3. Furnished O&M instructions for

C408.2,5, systems and equipment to the

[FI17]³ representative.

building owner or designated

owner. Documents will cover

specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed,

manufacturers' information,

maintained, and operated. C408.2.5 Furnished as-built drawings for

programming, and operation.

of system acceptance.

Additional Comments/Assumptions:

& Req.ID

Data filename:

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

Comments/Assumptions

Requirement will be met.

Requirement will be met.

Requirement will be met.

Report date: 10/19/23 Project Title: Perspire Sauna Studio Denver Colorado Data filename: Page 3 of 6

Does Not

Does Not

☐Not Observable

☐Not Applicable

☐Not Observable

☐Not Observable ☐Not Applicable

☐Not Observable ☐Not Applicable

☐Not Applicable

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
1,	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C405.2.5 [EL27] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C405.7 [EL26] ²	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.8 [EL27] ²	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	□Complies □Does Not □Not Observable □Not Applicable	
C405.9.1, C405.9.2 [EL28] ²		□Complies □Does Not □Not Observable □Not Applicable	
C405.10 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.1.1 [EL30] ²	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	□Complies □Does Not □Not Observable □Not Applicable	
C405.11, C405.11,1 [EL31] ²	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	□Complies □Does Not □Not Observable □Not Applicable	

Additional Comments/Assumptions:

Project Title: Perspire Sauna Studio Denver Colorado

Data filename:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: Perspire Sauna Studio Denver Colorado Report date: 10/19/23 Data filename: Page 5 of 6

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: Perspire Sauna Studio Denver Colorado

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB
CONTRACTORS AND ENSURE A COMPLETE
FULLY CODE COMPLIANT AND
PROFESSIONALLY FINISHED TENANT SPACE. ISSUED / REVISIONS:



S EB S A

ONTACT 920-757-1486 830 SKY VIST SUITE 100 COLORADO (CHECKED BY: Staff DRAWN BY: Staff DATE: JUNE 17, 2024

SCALE: PER PLAN

PROJECT No.: PSS 2417

SHEET TITLE

SHEET TITLE

COM **ENERGY** COMPLIANCE

Report date: 10/19/23

Page 6 of 6

HEATING VENTILATING AND AIR—CONDITIONING

- 1. THE FOLLOWING SPECIFICATIONS SHALL GOVERN WITH MODIFICATIONS AS SPECIFIED HEREIN: AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS (ASHREA) HANDBOOK FUNDAMENTALS.
- 2. EXTEND EXISTING FORCED AIR HEATING AND COOLING SYSTEM INTO NEW AREAS. HVAC SUBCONTRACTOR TO DETERMINE WHETHER NEW EQUIPMENT IS REQUIRED OR WHETHER A SUPPLEMENTAL UNIT IS REQUIRED. PROPOSAL SHALL INDICATE INTENDED APPROACH.
- 3. GENERAL CONTRACTOR, HVAC SUBCONTRACTOR AND ARCHITECT SHALL REVIEW THE PROPOSED LOCATIONS OF ALL SUPPLY AND RETURN REGISTERS IN THE FIELD PRIOR TO FABRICATION OR INSTALLATION OF NEW DUCTWORK.
- 4. GENERAL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING (FLOORS, CEILINGS, WALL) REQUIRED BY THE NEW DUCTWORK. LANDLORD APPROVAL IN WRITTING REQUIRED PRIOR TO ALL CUTTING.
- 5. ALL DUCTS RUN THROUGH UNCONDITIONED SPACES (I.E. ATTICS, CRAWL SPACE) SHALL BE INSULATED (I.E. WRAPPED WITH R6 INSULATION).
- 6. NEW SYSTEM, ONCE COMPLETED, SHALL BE TESTED AND BALANCED TO THE SATISFACTION OF THE OWNER. TEST RUNS SHALL BE PERFORMED FOR BOTH HEATING AND COOLING MODES. CERTIFIED TEST AND BALANCE REPORT SHALL BE SUBMITTED TO LL AND TENANT.

HVAC GENERAL NOTES

- 1. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL AND OPERATE THE EXISTING HEATING AND COOLING SYSTEM.
- 2. CONTRACTOR SHALL PROVIDE ALL REQUIRED HVAC PERMITS.
- 3. THE CONTRACTOR SHALL COMPLY WITH NFPA-90A AND ALL APPLICABLE CODES.
- 4. CONTRACTOR SHALL PROVIDE ALL CONTACTORS, RELAYS AND THERMOSTATS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS. THERMOSTATS SHALL BE AS SPECIFIED.
- 5. THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE THAT SHALL WARRANT ALL WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE CERTIFICATE OF OCCUPANCY.
- 6. PROVIDE IONIZATION TYPE SMOKE DETECTORS WHERE SHOWN ON RETURN AND/OR SUPPLY DUCTS AS REQUIRED BY CODE. UPON ACTIVATION, THE SMOKE DETECTORS SHALL SHUT DOWN THE AIR DISTRIBUTION SYSTEM. THE SMOKE DETECTORS SHALL BE CONNECTED TO A FIRE ALARM SYSTEM. THE ACTUATION OF A SMOKE DETECTOR SHALL ACTIVATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION PER CODE.
- 7. ALL HVAC WORK TO BE PERFORMED SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES.

 8. COORDINATE LOCATION OF ALL CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN TO
- PREVENT CONFLICT WITH LIGHTS AND ARCHITECTURAL ELEMENTS.

 9. PROVIDE TWO SETS OF FILTERS. MERV 12. ONE DURING CONSTRUCTION AND ONE FOR USE AFTER OCCUPANCY.

 10. ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCES THAT MAY
- DELAY PROGRESS DURING CONSTRUCTION.

 11. ELECTRICALLY OPERATED EQUIPMENT AND COMPONENTS SHALL BE U.L. LISTED. GAS FIRED EQUIPMENT IF APPLICABLE SHALL BE A CALLABELED.
- SHALL BE A.G.A. LABELED.

 12. AIR BALANCE CONTRACTOR MUST BE AABC CERTIFIED. AN INDEPENDENT AIR BALANCE CONTRACTOR SHALL TEST AND BALANCE TO THE AIR QUANTITIES ON THE PLAN AND PROVIDE A T & B REPORT FOR APPROVAL, IN ACCORDANCE WITH AIR BALANCE COUNTRACTOR STANDARDS. THREE COPIES OF THE TEST REPORT SHALL BE FURNISHED FOR REVIEW AND MUST
- BE APPROVED BEFORE OCCUPANCY.

 13. CONTRACTOR SHALL FURNISH SHOP DRAWINGS FOR DUCTWORK, AIR DEVICES, AND ALL EQUIPMENT.

 14. PROVIDE ACCESS FOR ALL COMPONENTS REQUIRING PERIODIC INSPECTION AND SERVICE THAT ARE LOCATED WITHIN THE SPACE OR REQUIRE ACCESS THROUGH THE SPACE. LABEL ACCESS DOORS AND PANELS OR CEILING TILES, RETURN REGISTERS OR DIFFUSERS UTILIZED FOR ACCESS WITH THE NAME OF THE HIDDEN COMPONENT(S). DEMONSTRATE
- ACCESS TO ALL HIDDEN COMPONENTS FOR THE FIELD REPRESENTATIVE PRIOR TO OCCUPANCY.

 15. CONTRACTOR SHALL INSTALL ALL NECESSARY OFFSETS, BENDS, AND TRANSITIONS REQUIRED TO PROVIDE A COMPLETE SYSTEM.
- 16. CONTRACTOR SHALL INSTALL THERMOSTATS AT 48" ABOVE THE FINISHED FLOOR TO ANY OPERABLE COMPONENT. COORDINATE BOX LOCATIONS WITH THE ELECTRICAL CONTRACTOR.
- 17. CONTRACTOR SHALL INSTALL TURNING VANES AT ALL RECTANGULAR DUCTWORK TEES AND 90° ELBOWS WITHIN MAIN TRUNK DUCTS.
- 18. CONTRACTOR SHALL PROVIDE EQUIPMENT OF THE SCHEDULED CAPACITIES DESIGNED.

 19. ALL DUCTWORK & INSULATION SHALL BE FABRICATED & INSTALLED ACCORDING TO THE MOST RECENT PUBLISHED.
- ASHRAE & SMACNA STANDARDS. ALL DUCT JOINTS, SEAMS AND CONNECTIONS SHALL BE SECURELY FASTENED, SEALED, AND TAPED IN ACCORDANCE WITH THE CURRENT ENERGY CONSERVATION CODE INCLUDING UUL 181A AND 181B TAPES AND MASTICS. DUCT COVERINGS AND LININGS SHALL HAVE A FLAME SPREAD INDEX NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX NOT MORE THAN 50.
- 20. ALL RECTANGULAR, ROUND & FLEXIBLE DUCTS SHALL BE SIZED AS SHOWN ON THESE DRAWINGS. MINIMUM INTERNAL DIMENSIONS ARE GIVEN. THE CONTRACTOR SHALL INCREASE THE DUCT SIZE ACCORDINGLY FOR INTERNAL INSULATION. ALL DUCTWORK EXCEPT THE ROUND FLEXIBLE TYPE SHALL BE GALVANIZED STEEL. FIBERGLASS DUCT—BOARD SHALL BE AN ACCEPTABLE ALTERNATE WHERE ACCEPTABLE TO LOCAL CODE. IS NOT PERMITTED.
- 21. RETURN DUCTS SHALL HAVE A MINIMUM 1" THICK, 1.5 PCF DENSITY INSULATION OR AS REQUIRED BY CURRENT ENERGY CODE.

 22. SUPPLY, TRANSFER AND OUTDOOR AIR DUCTS SHALL HAVE MINIMUM OF 1 1/2" THICK, 0.75 PCF FIBERGLASS
- 22. SUPPLY, TRANSFER AND OUTDOOR AIR DUCTS SHALL HAVE MINIMUM OF 1 1/2" THICK, 0.75 PCF FIBERGLASS INSULATION BLANKET WRAP WITH FACTORY—APPLIED REINFORCED KRAFT PAPER & ALUMINUM FOIL VAPOR BARRIER. OR AS REQUIRED BY CURRENT ENERGY CODE.
- 23. ALL FLEXIBLE ROUND SUPPLY DUCT SHALL BE THERMAFLEX G-KM AIR DUCT LISTED AS CLASS 1 BY UL STANDARD 181 & COMPLYING WITH NFPA 90A & 90B. DUCT SHALL BE FACTORY MADE & COMPOSED OF A CPE LINER BONDED TO A COATED STEEL WIRE HELIX SUPPORTING A FIBERGLASS SCRIM & 1-1/2" FIBERGLASS INSULATING BLANKET WRAP WITH BLACK POLYETHYLENE FILM VAPOR BARRIER. MAX. LENGTH SHALL SHALL BE 4'-0". USE 1" X 16 GA HANGER STRAPS. INSTALL 2 WRAPS OF DUCT TAPE OVER LINER WITH 4 SCREWS OR 1/2" WIDE METAL BAND CLAMP OR PANDUIT STRAP. INSTALL 2 WRAPS OF DUCT TAPE OVER JACKET & CLAMP.
- 24. ALL ROUND TAKE-OFFS FROM RECTANGULAR DUCTS SHALL BE A "CREATIVE METALS, INC." SPIN-TITE FITTING, MODEL MSED (SPIN-IN WITH SCOOP & DAMPER) OR APPROVED EQUAL.
- 25. REFRIGERANT LINES IF APPLICABLE SHALL BE TYPE "L" COPPER TUBING IN CONTINUOUS, UNCOUPLED & UNSPLICED LENGTHS FROM THE EVAPORATOR TO THE CONDENSER. REFRIGERANT LINES SHALL BE SIZED BY MANUFACTURER. PROVIDE THERMAL EXPANSION VALVES WITH HARD SHUT—OFFS & FILTER DRYER AT EVAPORATOR COILS. INSULATE THE SUCTION LINES WITH ARMSTRONG AP ARMAFLEX SS.
- 26. AIR DEVICES ABOVE DRYWALL CEILINGS SHALL HAVE OPPOSED—BLADE DAMPER WITH DEVICES. AIR DEVICES ABOVE LAY—IN CEILINGS SHALL HAVE DUCT DAMPERS WHERE SHOWN ON THE PLANS.
 27. HVAC CONTRACTOR SHALL COORDINATE CONDENSATE DRAINS WITH PLUMBING CONTRACTOR.
- 28. SIZE OF DUCT TAKE—OFFS TO CEILING DIFFUSERS AND SUPPLY GRILLS IS SAME AS AIR DEVICE NECK SIZE, UNLESS OTHERWISE NOTED.

 29. PROVIDE WHITE ON RED BACK GROUND ENGRAVED PLASTIC NAME PLATES WITH 1" LETTERING FOR ALL MECHANICAL
- 29. PROVIDE WHITE ON RED BACK GROUND ENGRAVED PLASTIC NAME PLATES WITH 1" LETTERING FOR ALL MECHANICAL EQUIPMENT, I.E. RTU-1, EF-1, ETC.
- 30. PROVIDE MINIMUM CLEARANCE FOR ALL HVAC EQUIPMENT REQUIRED FOR PROPER MAINTENANCE.
- 31. PRIME AND PAINT ALL OUTDOOR FERROUS MATERIALS WHICH WERE NOT PREVIOUSLY PAINTED.
 32. THE FOLLOWING SPECIFICATIONS SHALL GOVERN WITH MODIFICATIONS AS SPECIFIED HEREIN; AMERICAN SOCIETY OF
- HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS (ASHREA) HANDBOOK FUNDAMENTALS.

 33. EXTEND EXISTING FORCED AIR HEATING AND COOLING SYSTEM INTO NEW AREAS. HVAC SUBCONTRACTOR TO DETERMINE WHETHER NEW EQUIPMENT IS REQUIRED OR WHETHER A SUPPLEMENTAL UNIT IS REQUIRED. PROPOSAL SHALL INDICATE INTENDED APPROACH.
- 34. GENERAL CONTRACTOR, HVAC SUBCONTRACTOR AND ARCHITECT SHALL REVIEW THE PROPOSED LOCATIONS OF ALL SUPPLY AND RETURN REGISTERS IN THE FIELD PRIOR TO FABRICATION OR INSTALLATION OF NEW DUCTWORK.
- 35. GENERAL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING (FLOORS, CEILINGS, WALL) REQUIRED BY THE NEW DUCTWORK. LANDLORD APPROVAL IN WRITING REQUIRED PRIOR TO ALL CUTTING.
- 36. ALL DUCTS RUN THROUGH UNCONDITIONED SPACES (I.E. ATTICS, CRAWL SPACE) SHALL BE INSULATED (I.E. WRAPPED
- WITH MINIMUM OF R6 INSULATION OR AS REQUIRED BY CURRENT ENERGY CODE).

 37. NEW SYSTEM, ONCE COMPLETED, SHALL BE TESTED AND BALANCED TO THE SATISFACTION OF THE OWNER. TEST RUNS SHALL BE PERFORMED FOR BOTH HEATING AND COOLING MODES.

	MARK	ном тонѕ	HEAT BTUH	ACFM	ESP	SEER	EER	EAT	LAT	VOLTS/ø	мсА	MOCP	WEIGHT	MODEL #	MIN. %OA	ECONOMI <i>Z</i> ER	SMOKE SHUTDOWN	REMARKS
EXISTING	RTU-1	4	130,000	1600	0.5	14.0	12	80/63	55	208/3ø	26	<i>3</i> 5	767	TRANE YSCO48G3RHB	20%	YES	YES	SEE NOTES BELOW
NEW	RTU-2	4	130,000	1600	0.5	14.0	12	80/63	55	208/3ø	26	<i>3</i> 5	767	TRANE YSC048G3RHB	20%	YES	YES	SEE NOTES BELOW

AIR AT DIFFUSERS FACE NOT TO EXCEED 500 FEET PER MINUTE.

PROVIDE SMOKE DETECTORS FOR UNIT SHUTDOWN AS REQUIRED

1. PROVIDE PROGRAMMABLE THERMOSTAT

2. PROVIDE HAIL GUARDS, FILTERS, AND 14" ROOF CURB (CONTRACTOR MAY PROVIDE ADAPTOR CURB AT THEIR DISCRETION)

3. FILL CURB W/ ALTERNATING LAYERS OF 3½" FIBERGLASS BATT INSULATION ADN ¾" GYPSUM BOARD. COMPLETELY SEAL AROUND SUPPLY AND RETURN DUCT PENETRATING THRU ROOF DECK.
ALL ROOD WORK BY LANDLORD APPROVED ROOFER AT TENANT GC EXPENSE.

SHEET NOTES

APPROVED AIR GAP,

OUTDOOR AIR INTAKE.

TSTAT AND REMOTE SMOKE

SMOKE DETECTOR PER CODE FOR UNIT SHUT DOWN.

1 NEW 4 TON GAS / ELECTRIC RTU.

3/4" CONDENSATE TO EXISTING

 $\langle 2 \rangle$ 12"ø EXHAUST UP THROUGH ROOF.

G.C./M.C. TO COORDINATE IN FIELD WITH LOCAL LICENSED STRUCTURAL

ENGINEER FOR EXISTING CONDITIONS

AND ANY NECESSARY MODIFICATIONS

TO SUPPORT NEW RTU. ROUTE NEW

CONDENSATE DRAIN LOCATION WITH

MAINTAIN 10'-0" MINIMUM TO ANY

DETECTOR TEST STATION MOUNTED AT 48"AFF

THERMOSTATS	GRILLE	E, RI	EGIST	TER	& DIF	FFUSE	R SCH	HEDUL	E.
HONEYWELL T10 THEROMSTAT AND REMOTE SENSORS T - THERMOSTAT MOUNTED AT 48" AFF		MARK	MFGR.	MODEL	NECK VELOCITY FPM (MAX)	DEVICE SIZE	AIR PATTERN	MOUNTING	TYPE
RS— REMOTE SENSOR MOUNTED AT 66"AFF PROGRAM AND TRAIN OWNER ON PROGRAMMING		S-1 XX	TITUS	TMS	300	24" X 24"	ALL-WAY	PER PLAN	SUPPLY
	7	S-2	TITUS	FL-20	300	10" X 48"	(2)2" SLOT 10"ø INLET	SURFACE	SUPPLY
MECHANICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND MODIFY AS REQUIRED TO DISTRIBUTE AIR WITHIN		XX	PROVIDE WITH ALL ASSOCIATED INSTALLATION COMPONENTS FOR COMPLETE, OPERABI AND PROFESSIONAL INSTALLATION. FACTORY PLENUM AND FINISH END CAPS FOR HA CEILING INSTALLATION AND BALANCING DAMPERS ACCESSIBLE FROM FACE OF DIFFUS						R HARD
THE SPACE AS SHOWN ON PLAN. SUPPLY AND RETURN DUCTWORK SHALL BE INSTALLED TO MEET		S-3 XX	TITUS	TMS	300	12" X 12"	ALL WAY	PER PLAN	SUPPLY
OR EXCEED ALL CODE REQUIREMENTS AND WITHIN ACCEPTABLE INDUSTRY STANDARDS. M.C. SHALL PROVIDE FOR A COMPLETE AND OPERABLE SYSTEM. REPLACE ANY EXISTING COMPONENTS AS REQUIRED. M.C. SHALL BE RESPONSIBLE FOR PROVIDING		R-1 XX	TITUS	50F	400	24" X 24"	ALL WAY HORIZONTAL	PER PLAN	RETURN
WARRANTY OF ALL WORK. MAIN TRUNK SUPPLY DUCT WITH NO AIR DIFFUSERS NOT TO		R-2 XX	TITUS	50F	300	12" X 12"	ALL WAY	PER1PIAN (FRETURN
EXCEED 1000 FEET PER MINUTE VELOCITY. ALL SUPPLY BRANCH AND RETURN DUCTWORK SHALL BE		R-3 XX	TITUS	50F	300	24" X 12"	ALL WAY	PER PLAN	RETURN
INSTALLED NOT TO EXCEED 500 FEET PER MINUTE VELOCITY.	NOTES: 1. MOUNTING FR	AMEG CHALL	DE COMPATI	DIE WITL /	CEILING TYPE			DIFFUSER N	ieck sizii
DISTRIBUTION SUPPLY / RETURN DUCT WITH AIR DIFFUSERS /GRILLS NOT TO EXCEED 500 FEET PER MINUTE VELOCITY.		OSED BLADE	DAMPER WIT			THROUGH FACE	OF DIFFUSER.	0-99 CFM 100-175 C	6" FM 8"

ALL CEILING DIFFUSERS ARE ALL WAY DISCHARGE UNLESS NOTED OTHERWISE

ALL DIFFUSERS SHALL HAVE DAMPERS FOR BALANCING. IF NOT IN FACE OF DIFFUSER, INSTALL

DUCT RUNOUTS ARE SIZED PER THE NECK OF THE DIFFUSER.

IN ACCESSIBLE DUCT.

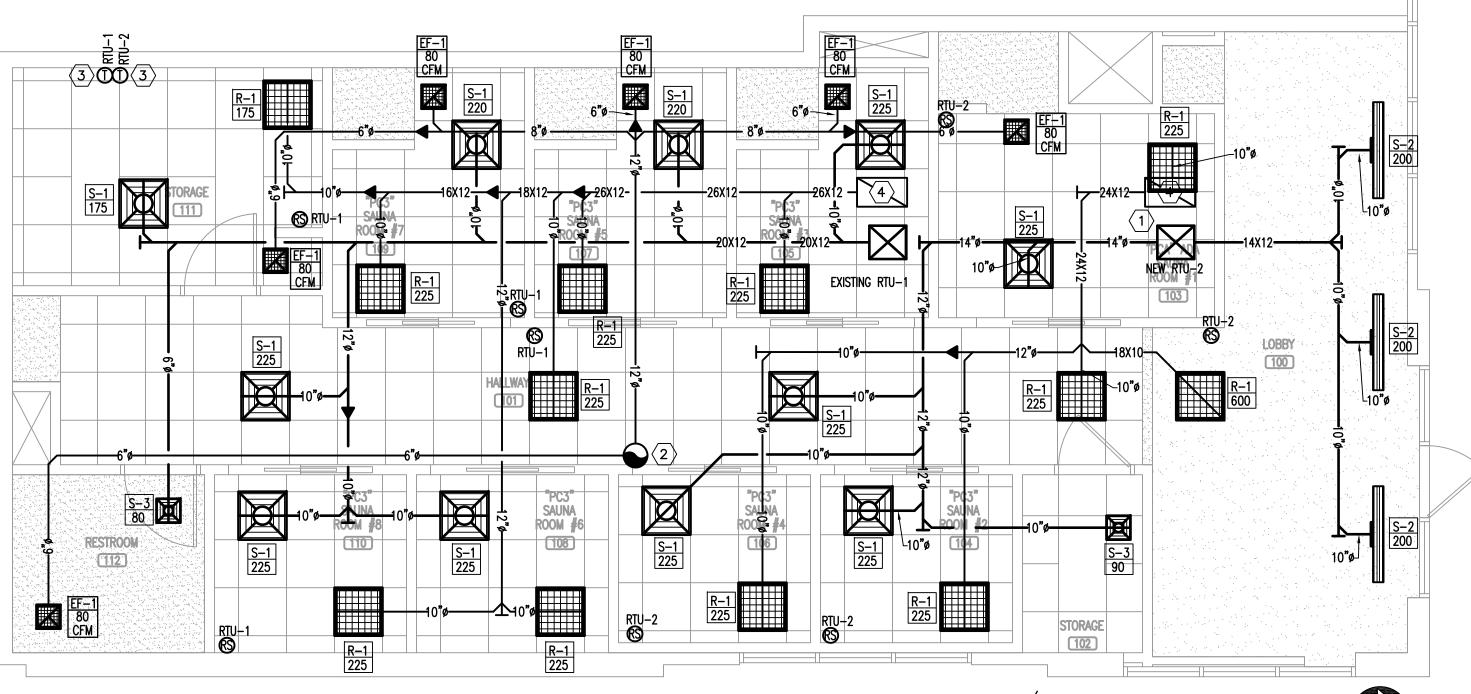
NO ALTERNATES ACCEPTED.

Table 403.3.1.1 Minimum Ventilation Requirements RTU-1

BY CODE.

Table 403.3.1.1 William Ventuation Requirements 1870 1									
OCCUPANCY	OCCUPANCY DENSITY	SQUARE	TOTAL	CFM PER	OUTDOOR	OUTDOOR AIR	OUTDOOR	TOTAL O/A REQUIRED	
CLASSIFICATION	PER 1000 SF	FOOTAGE	OCCUPANCY	PERSON	AIR REQ'D	REQ'D PER SF	AIR REQ'D	(CFM/PERSON+CFM/SF)/0.8	
SAUNA	10/1000	370	4	5	20	0.06	22	53	
CORRIDORS	N/A	160	N/A	N/A	0	0.06	10	12	
TOILET ROOM	N/A	60	N/A	N/A	0	0.06	4	5	
STORAGE	N/A	117	N/A	N/A	0	0.12	14	18	
							TOTAL	87	
							O/A REQ'D	SET AHU-1 TO 90 CFM	

Table 403.3.1.1 Minimum Ventilation Requirements RTU-2 **OCCUPANCY DENSITY SQUARE** CFM PER | OUTDOOR | **OUTDOOR AIR** TOTAL O/A REQUIRED **OCCUPANCY OUTDOOR CLASSIFICATION FOOTAGE OCCUPANCY** PERSON | AIR REQ'D **REQ'D PER SF** AIR REQ'D (CFM/PERSON+CFM/SF)/0.8 **PER 1000 SF** SAUNA 10/1000 235 2 25 0.06 14 39 5 CORRIDORS N/A 105 N/A 0.06 N/A 0 30/1000 LOBBY 230 7 35 14 61 5 0.06 **TOTAL** 108



CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

ENGINEERING AND DESIGN PLLC

D Box 213 (Mailing) Fax (606)-364-5100

E-Mail: eric@emrengineers.com Web Address: emrengineers.com



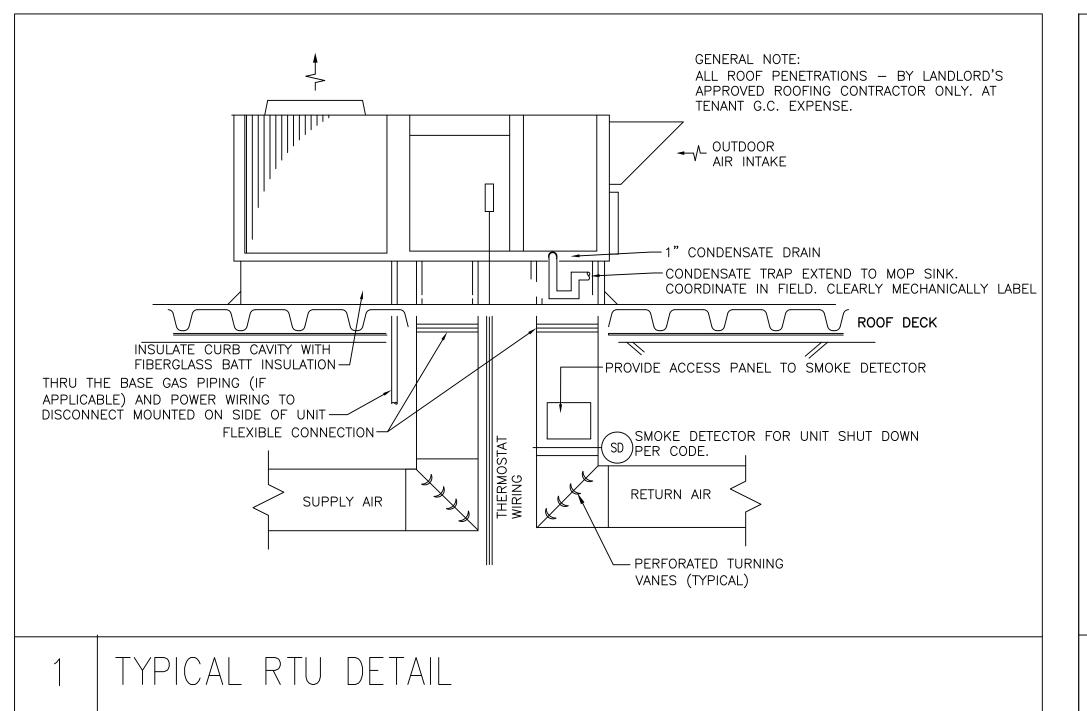
176-275 CFM 10" 276-400 CFM 12"

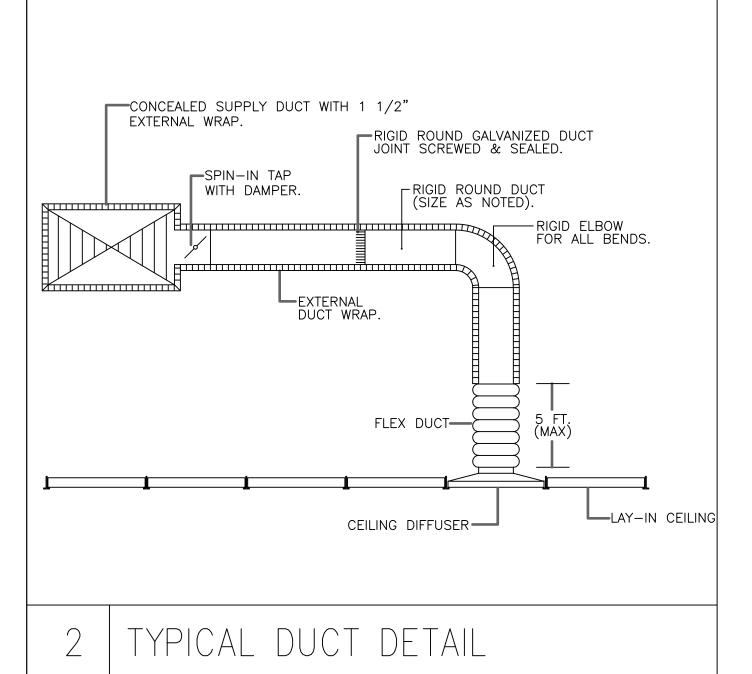
PERSPIRE SAUNA STUDIO

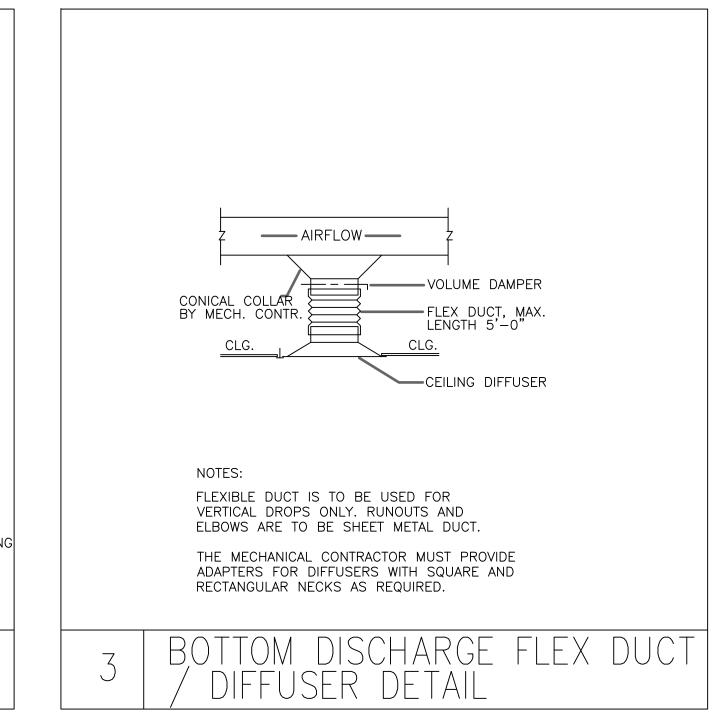
CHECKED BY: Staff
DRAWN BY: Staff
DATE: JUNE 17, 2024
SCALE: PER PLAN
PROJECT No.: PSS 2417
SHEET TITLE

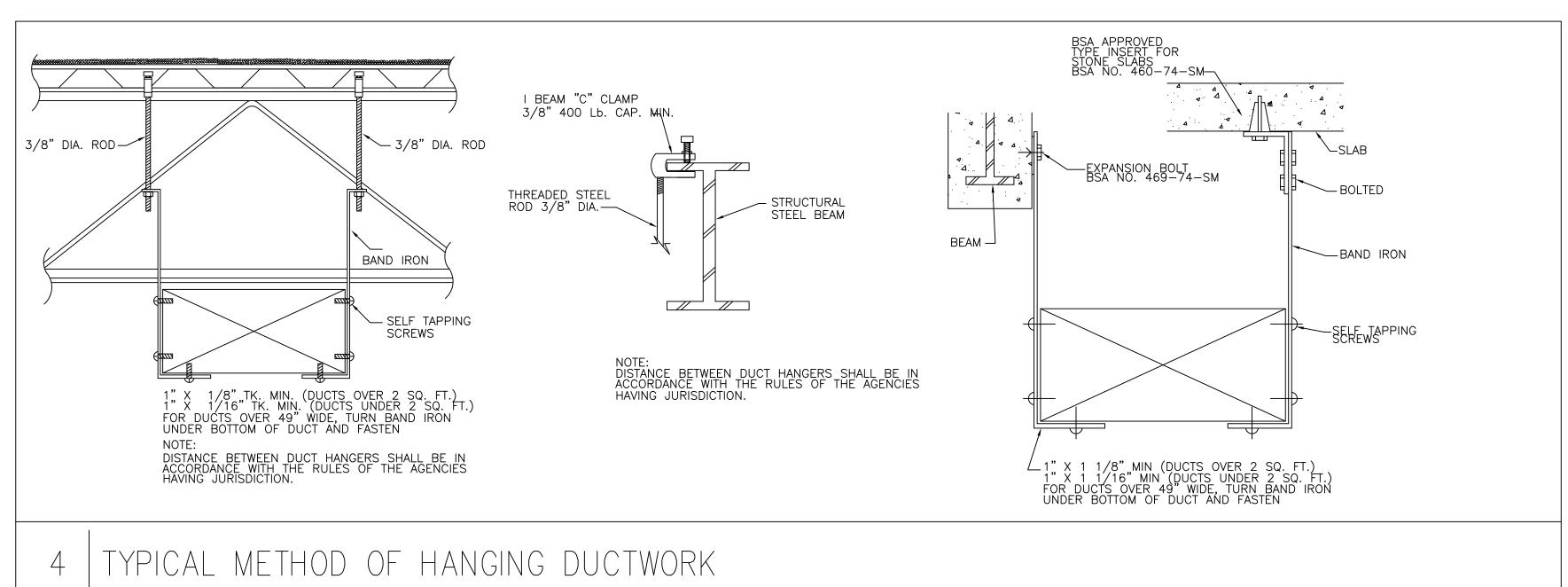
HVA/C FLOOR
PLAN AND
SCHEDULES

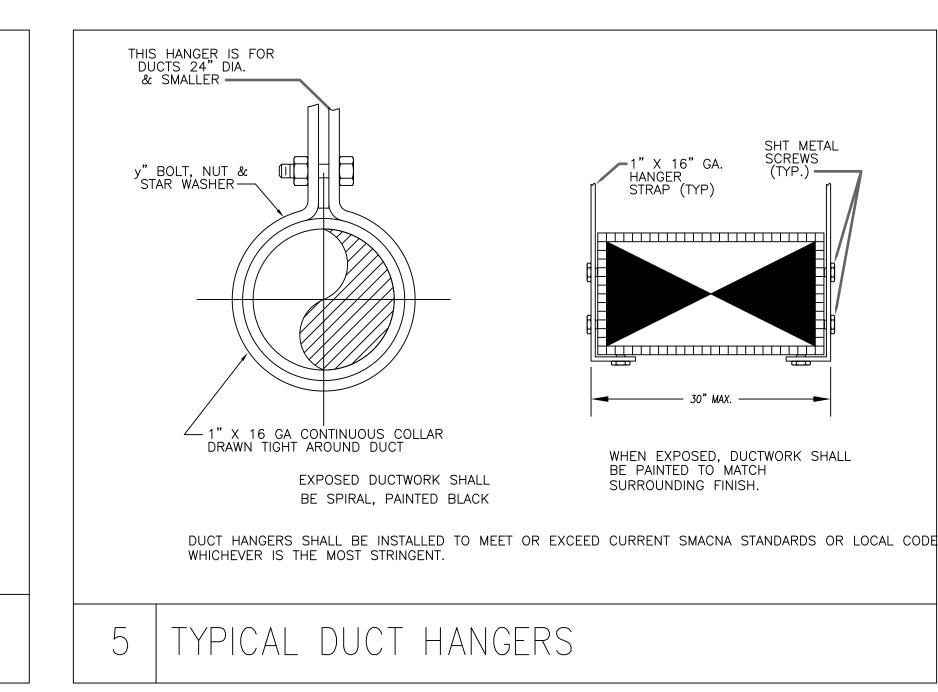
NORTH 3

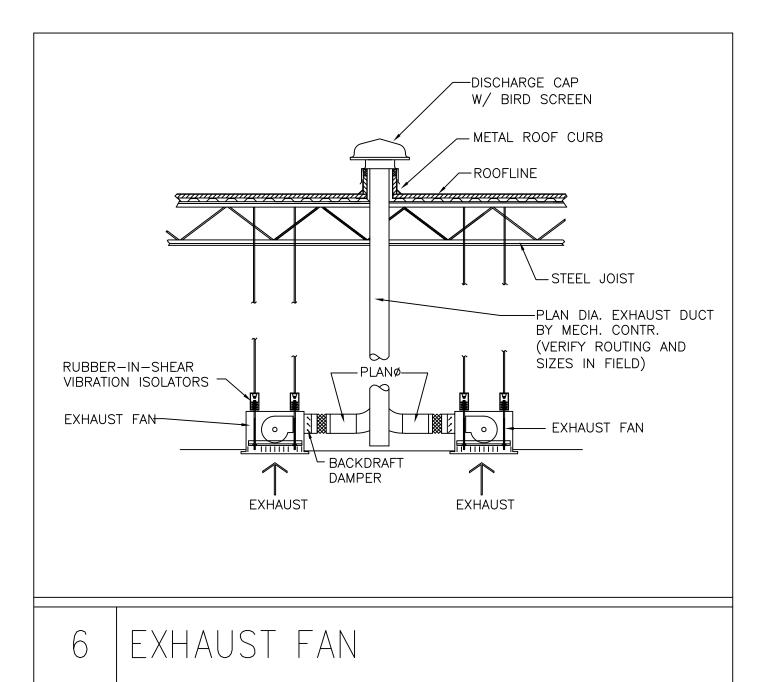


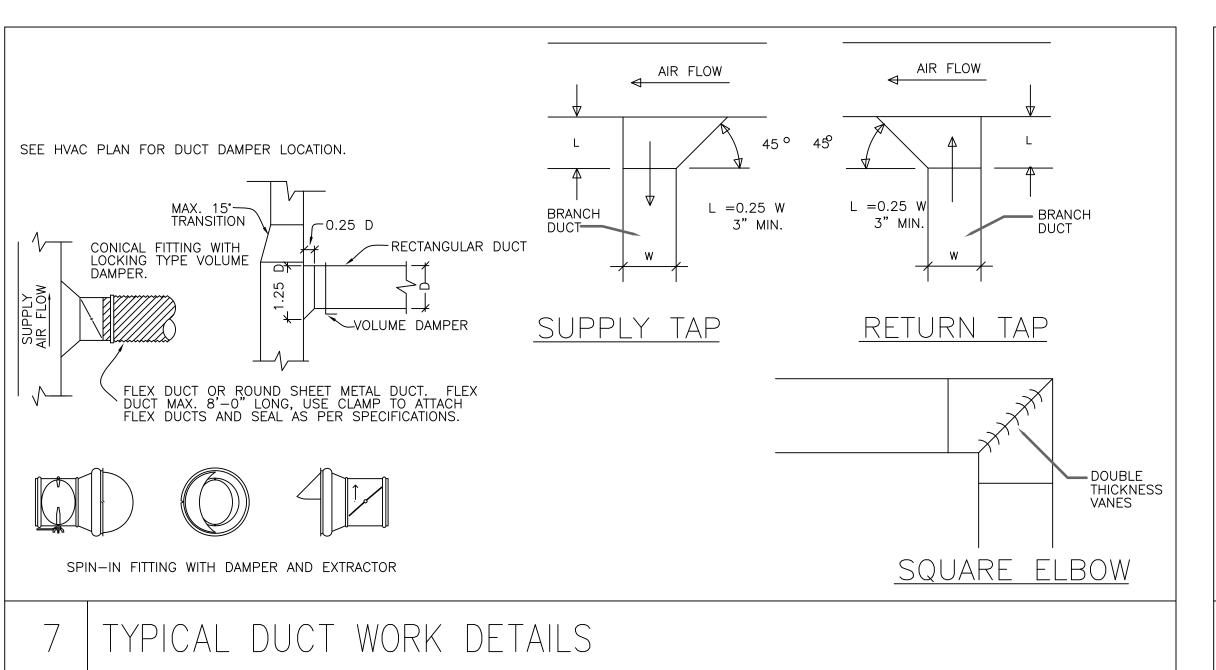


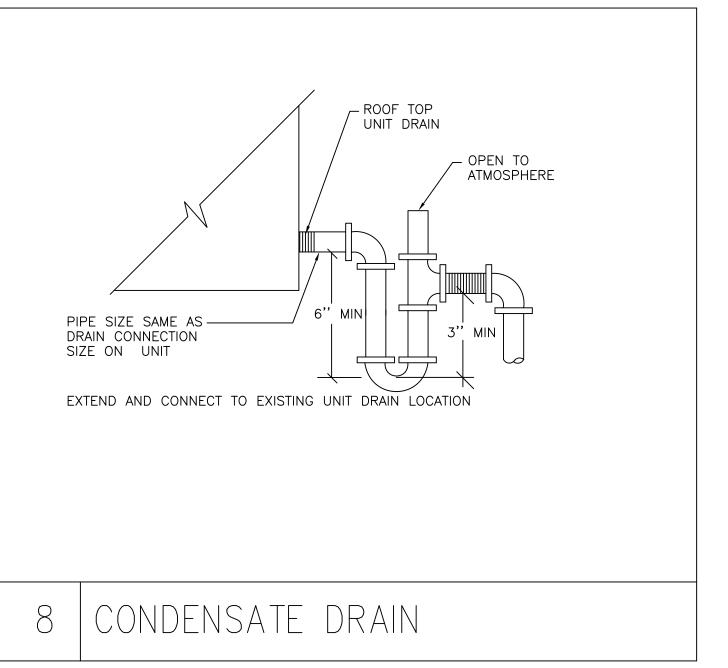


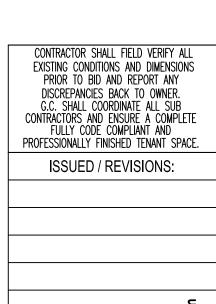


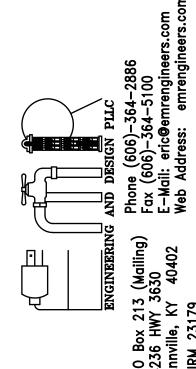


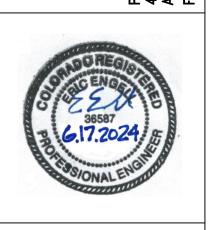


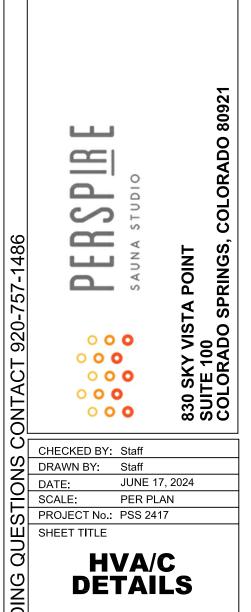












Project Information Energy Code:

Project Title:

Climate Zone:

Project Type:

2021 IECC PERSPIRE COLORADO SPRINGS Colorado Springs, Colorado

Owner/Agent

Alteration

Construction Site: 830 SKY VISTA POINT SUITE 100 COLORADO SPRINGS, Colorado 80921

Designer/Contractor: ERIC ENGELL EMR ENGINEERINGH AND DESIGN PLLC 4236 HWY 36030 ANNVILLE, Kentucky 40402 1-606-364-2886

Credit

eric@emrengineers.com

Report date: 06/14/24

Comments/Assumptions

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Data filename:

Efficiency Packages Description

Mechanical Systems List

QuantitySystem Type & Description

Project Title: PERSPIRE COLORADO SPRINGS

Data filename:

 HVAC (Single Zone): HVAC (Single Zone):

Heating: 1 each - Central Furnace (RTU-2), Gas, Capacity = 48 kBtu/h

Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE

Cooling: 1 each - Single Package DX Unit (RTU-2), Capacity = 130 kBtu/h, Air-Cooled Condenser, Air Economizer

Proposed Efficiency = 12.00 EER, Required Efficiency = 11.00 EER

Proposed Part Load Efficiency = 0.00 IEER, Required Part Load Efficiency = 14.60 IEER

Fan System: Unspecified

Service Water Storage Water Heater, Capacity: 60 gallons, Input Rating: 160 kBtu/h w/ Circulation Pump No minimum efficiency requirement applies

COMcheck Software Version COMcheckWeb Inspection Checklist

Energy Code: 2021 IECC Requirements: 32.0% were addressed directly in the COMcheck software Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR2]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical and service water heating systems and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks. Hot water system sized per manufacturer's sizing quide.	□Complies □Does Not □Not Observable □Not Applicable	

Footing / Foundation Inspection Compiles? Comments/Assumptions C403.13.2 Snowlice melting system and freeze protection systems have sensors and controls configured to limit service for pavement temperature above 50F and outdoor temperature above 40F. Exception: Requirement does not apply.

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

☐Not Applicable

□Not Observable

Not Applicable

Additional Comments/Assumptions

Project Title: PERSPIRE COLORADO SPRINGS

Rough-In Electrical Inspection Complles?

minimum efficiency requirements of Table C405.6.

[EL27]2 Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor

C405.9.1. Escalators and moving walks comply
C405.9.2 [EL28]? with ASME A17.1/CSA B44 and have
automatic controls configured to
reduce speed to the minimum
permitted speed in accordance with
ASME A17.1/CSA B44 or applicable

passengers.

C405.10 Total voltage drop across the combination of feeders and branch circuits <= 5%.

C405.11. 50% of 15/20 amp receptacles
C405.11.1 installed in enclosed offices,
conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders

C405.11. 50% of 15/20 amp receptacles

Complies

Does Not

Not Observable

Not Applicable

ratings shall be provided by motor manufacturer (where certification

local code when not conveying

for modular furniture will have automatic receptacle control in

Additional Comments/Assumptions:

programs do not exist).

Data filename:

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Section # & Req.ID	Plumbing Rough-in Inspection	Compiles?	Comments/Assumption
C404.5.1. C404.5.1. C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	□Complies □Does Not □Not Observable □Not Applicable	
C404,6,1, C404,6,2 [PL3] ¹	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	Complies Does Not Not Observable Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	□Complies □Does Not □Not Observable □Not Applicable	
C404,6.1, C404,6.1, 1 [PL8] ³	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	□Complies □Does Not □Not Observable □Not Applicable	

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:



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Section # & Reg.ID	Final Inspection	Complles?	Comments/Assumptions
C303.3, C408.2.5, 3 [FI8]F	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.3.1 [FI27] ³	HVAC systems and equipment capacity does not exceed calculated loads.	□Complies □Does Not □Not Observable □Not Applicable	I
C403:4.1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	Complies Does Not Not Observable Not Applicable	
C403.4.1. 2 [FI38] ³	Thermostatic controls have a 5 °F deadband.	Complies Does Not Not Observable Not Applicable	
C403.4.1. 3 [F(20] ³	Temperature controls have setpoint overlap restrictions.	□Complies □Does Not □Not Observable □Not Applicable	
C403.4.2 [FI39] ³	Each zone equipped with setback controls using automatic time clock or programmable control system.	Complies Does Not Not Observable Not Applicable	
C403.4.2. 1. C403.4.2. 2 [FI40] ³	Automatic Controls: Setback to 55°F (heat) and 85°F (cool): 7-day clock, 2- hour occupant override, 10-hour backup	Complies Does Not Not Observable Not Applicable	
C404.3 [FI11] ³	Heat traps installed on supply and discharge piping of non-circulating systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Exception: Requirement does not apply.
C404.4 [FI25] ²	All piping insulated in accordance with section details and Table C403.12.3.	Complies Does Not Not Observable Not Applicable	
C404.6.1 [FI12] ³	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.	□Complies □Does Not □Not Observable □Not Applicable	
C408.1.1 [FI57] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	Complies Does Not Not Observable Not Applicable	

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

Project Title: PERSPIRE COLORADO SPRINGS

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Comments/Assumptions

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: PERSPIRE COLORADO SPRINGS Report date: 06/14/24 Data filename: Page 8 of 9

ection # Req.(D	Final Inspection	Complles?	Comments/Assumptions
08,2.1 28] ¹	Commissioning plan developed by registered design professional or approved agency.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: BY MECHANICAL CONTRACTOR
08.2.3. 31] ¹	HVAC equipment, systems and system-to-system relationships have been tested to ensure proper operation.	□Complies □Does Not □Not Observable □Not Applicable	
08.2.3. 10] ¹	HVAC and service water heating control systems have been tested to ensure proper operation, calibration and adjustment of controls.	□Complies □Does Not □Not Observable □Not Applicable	
08.2,3, 32]¹	Economizers have been tested to ensure proper operation.	□Complies □Does Not □Not Observable □Not Applicable	
08,2,4 29] ¹	Preliminary commissioning report completed and certified by registered design professional or approved agency.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: BY MECHANICAL CONTRACTOR
08.2.5 7] ³	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
08.2.5. 43]\	An air and/or hydronic system balancing report is provided for HVAC systems.	□Complies □Does Not □Not Observable □Not Applicable	
08.2.5. 30] ¹	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: BY MECHANICAL CONTRACTOR

8 Q & 000 000 000 000 000 CHECKED BY: Staff ORAWN BY: Staff DATE: JUNE 17, 2024

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SCALE: PER PLAN PROJECT No.: PSS 2417 ਰ MECHANICAL **ENERGY** COMPLIANCE

830 SKY VIST SUITE 100 COLORADO

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: PERSPIRE COLORADO SPRINGS Report date: 06/14/24 Data filename:

Mechanical Rough-In Inspection Compiles? C402.2.6 Thermally ineffective panel surfaces of Complies Exception: Requirement does not apply.

[ME41]³ sensible heating panels have □Not Observable Not Applicable Not Applicable C403.8.3 Fans have a fan energy index (FEI) >= ☐Complies
[ME117]² 1.00. Variable volume fans will have
an FEI >= 0.95. ☐Not Observa □Not Observable Not Applicable Exception: Requirement does not apply. □Not Observable Not Applicable C403.3 HVAC equipment efficiency verified. Complies See the Mechanical Systems list for values. Does Not ☐Not Observable Not Applicable C403.5.5 Fault detection and diagnostics installed with air-cooled unitary DX units or VRF units having Requirement will be met. ☐Not Observable ☐Not Applicable C403.2.2 Natural or mechanical ventilation is provided in accordance with international Mechanical Code Chapter 4. Mechanical ventilation has to the Applicable capability to reduce outdoor air supply Not Applicable to minimum per IMC Chapter 4. economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. has automatic contaminant and capacity to stage or modulate fans to 50% or less of design capacity.

Not Observable Not Applicable C403.7.6 | HVAC systems serving guestrooms in [ME141]³ | Group R-1 buildings with > 50 | Does Not C403.7.6.1 and C403.7.6.2).

C403.7.4 Exhaust air energy recovery on systems meeting Table C403.7.4(1)

and C403.7.4(2).

C403.7.6.1 and C403.7.6.2).

Exception: Requirement does not apply.

Does Not

Not Observable

Not Applicable 1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: PERSPIRE COLORADO SPRINGS Report date: 06/14/24 Data filename: Page 5 of 9

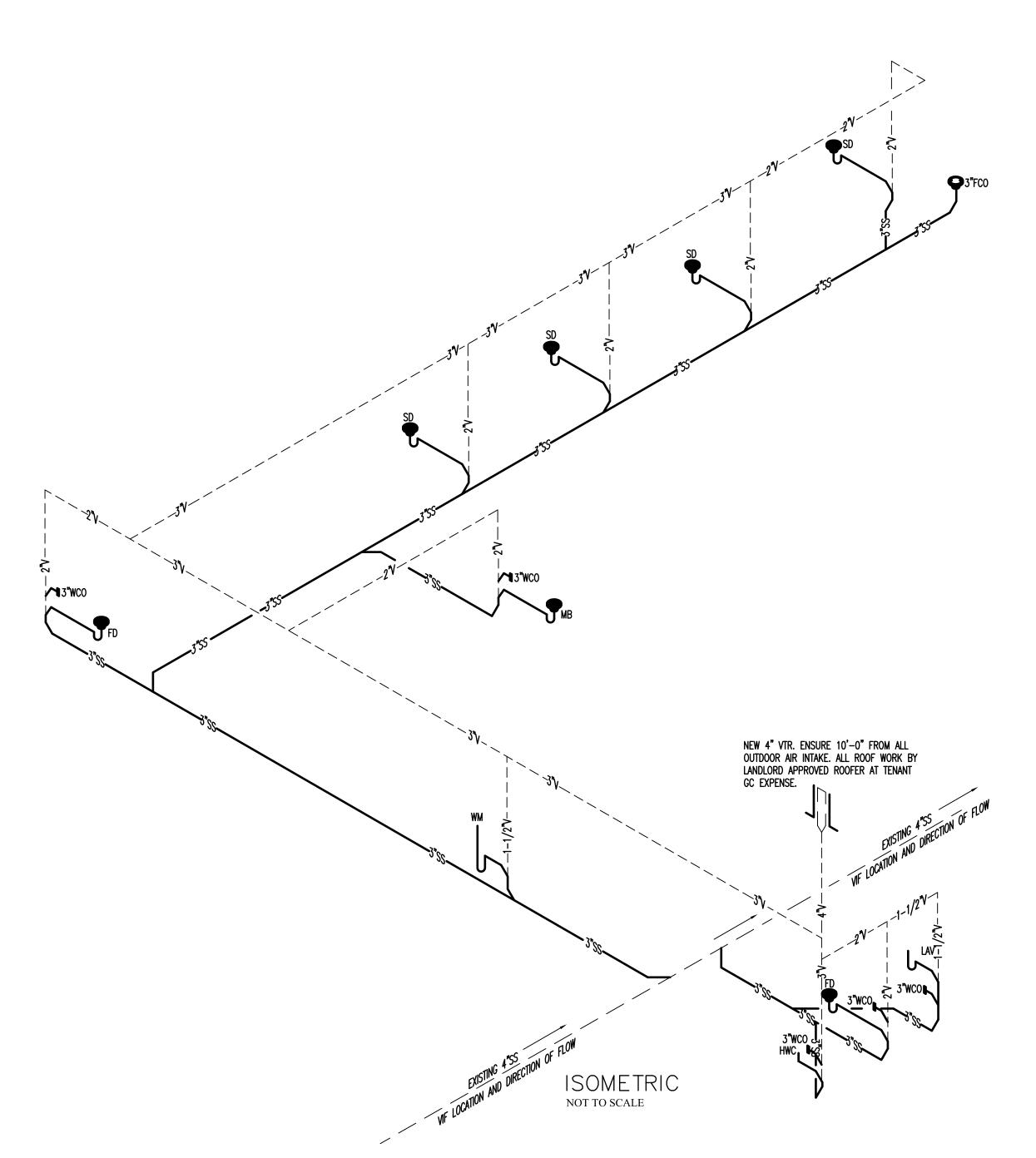
Mechanical Rough-In Inspection Compiles? C403.5. Air economizers provided where Complies
C403.5.1, required, meet the requirements for
C403.5.2 design capacity, control signal,
ventilation controls, high-limit shut-off, Integrated economizer control, and
provide a means to relieve excess
outside air during operation. C403.5.3. Air economizers automatically reduce outdoor air intake to the design minimum outdoor air quantity when outdoor air intake will not reduce cooling energy usage. See Table C403.5.3.3 for applicable device types and climate zones. and climate zones. C403.5.3. System capable of relieving excess outdoor air during air economizer Does Not [ME125]¹ operation to prevent over pressurizing □Not Observable the building. The relief air outlet ocated to avoid recirculation into the Not Applicable C403.4.1. Heating for vestibules and air curtains Complies Exception: Requirement does not apply. (Ad3.4.1. Heating for vestibules and air curtains with integral heating include [ME63] with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F. C403,3.3 Hot gas bypass limited to: <=240 [ME35] kBtu/h - 50% >240 kBtu/h - 25% ☐Not Observable Not Applicable C408.2.2. Air outlets and zone terminal devices Complies have means for air balancing. Does Not □Not Observable Not Applicable C403.11.3 Refrigerated display cases, walk-in coolers or walk-in freezers served by C403.11.3 remote compressors and remote 1, condensers not located in a C403.11.3 condensers that comply with Sections [ME123] C403.11.3.1 and refrigeration compressors systems that comply with sections [ME123] C403.11.3.1 and refrigeration compressors systems that comply with sections [ME123] C403.11.3.1 and refrigeration compressors systems that comply with sections [ME123] C403.11.3.1 and refrigeration compressors systems that comply with sections [ME123] C403.11.3.1 and refrigeration compressors systems that comply with sections [ME123] C403.11.3.1 and refrigeration compressors systems that comply with sections [ME123] C403.11.3.1 and refrigeration compressors systems that comply with sections [ME123] C403.11.3.1 and refrigeration compressors systems that comply with sections [ME123] C403.11.3.1 and refrigeration compressors systems [ME123] C403 compressor systems that comply with C403.11.3.2.. Additional Comments/Assumptions:

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

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Report date: 06/14/24 Project Title: PERSPIRE COLORADO SPRINGS

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: PERSPIRE COLORADO SPRINGS Page 6 of 9 Data filename:

Additional Comments/Assumptions:



GENERAL NOTES

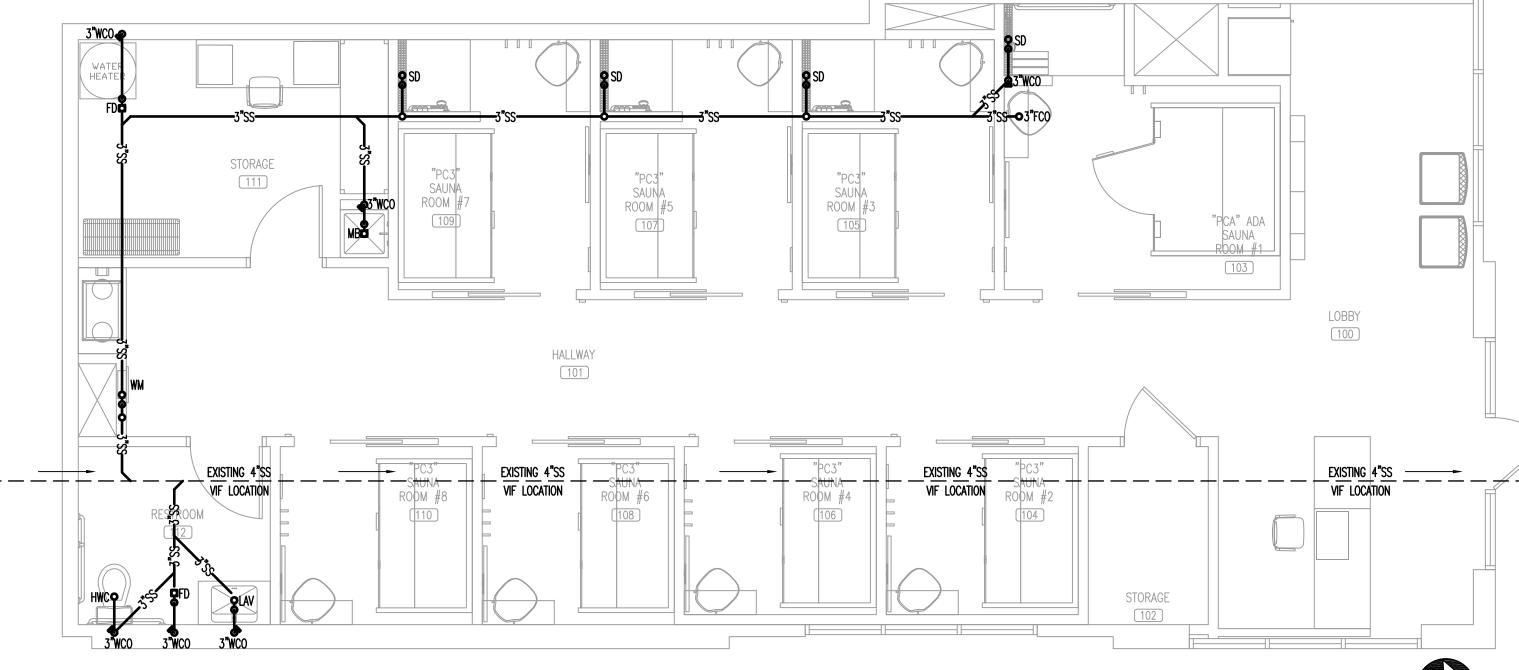
- A. VERIFY EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF UTILITIES AND PIPING BEFORE COMMENCEMENT OF WORK, AND IMMEDIATELY NOTIFY PROJECT MANAGER OF ANY DISCREPANCIES.
- CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS AND PAY FOR ALL PERMITS, FEES, CHARGES AND METERS.
- TERMINATE ALL VENT AND FLUE OUTLETS AT 10'-0" MINIMUM FOR ANY FRESH AIR INTAKES INSTALL ALL PLUMBING TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING. NO WATER OR DRAIN LINES PERMITTED OVER UNDER
- ELECTRICAL PANELS. INSURE THAT ALL WATER LINES INSIDE ARE ADEQUATELY SECURED. PROVIDE FAUCETS UNLESS OTHERWISE NOTED, TRAPS, STOPS, GATE VALVE, GAS COCKS, WATER HAMMER ARRESTORS, WALK THE NOTES, COVERS, FLEX CONNECTIONS, SHUT OFF VALVES AND INDIRECT WASTE TO AN APPROVED RECEPTOR AND ALL NECESSARY TRIM FOR COMPLETELY INSTALLED AND CONNECTED PLUMBING SYSTEM
- RECORD ON AS BUILT DRAWINGS ALL SIZES, LOCATIONS, INVERTS AND MATERIALS OF EXISTING PIPES THAT ARE ENCOUNTERED AND NEW PIPES INSTALLED DURING THE COURSE OF THE PROJECT DELIVER AS BUILD'S TO THE CONSTRUCTION MANAGER AT THE END OF THE PROJECT
- G. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL AND FEDERAL CODES, RULES AND REGULATIONS GOVERNING THIS PROJECT
- UPON COMPLETION OF JOB, INSPECT ALL EXPOSED PORTIONS OF THE PLUMBING INSTALLATIONS AND COMPLETELY REMOVE ALL EXPOSED LABELS, SOIL, MARKINGS, AND
- FOREIGN MATERIAL EXCEPT PRODUCT LABELS AND THOSE REQUIRED BY LAW PROVIDE FLEXIBLE GAS CONNECTIONS TO WATER HEATER AND COOKING EQUIPMENT. PROVIDE RIGID GAS CONNECTIONS TO ALL OTHER EQUIPMENT IN APPLIANCES AND WHERE LOCAL
- JURISDICTION PROHIBITS THE USE OF FLEXIBLE CONNECTIONS VERIFY ALL EQUIPMENT AND APPLIANCE CONNECTION SIZES PRIOR TO MAKING FINAL CONNECTION. REDUCE BRANCH PIPE SIZING JUST PRIOR TO CONNECTION TO THE UNIT.
- PROVIDE ALL MATERIALS FOR CONNECTION TO ALL EQUIPMENT AND FIXTURES. PROVIDE FIRE BOOTS AT FIRE WALL AND FLOOR PENETRATIONS WHEN REQUIRED BY CODE. FOR PVC PIPING AND OTHER MATERIALS THE FIRE INSPECTIONS DEPARTMENT MAY REQUIRE
- PROTECTION AROUND. CONTRACTOR TO PROVIDE AND INSTALL CLAMPING RINGS AND COLLARS FOR ALL FLOOR DRAINS, FLOOR SINKS, FLOOR CLEANOUTS, AND ANY OTHER PLUMBING FLOOR PENETRATIONS. MAKE WATER TIGHT CONNECTION WITH WATERPROOFING MEMBRANE.
- WHEN WORKING IN A REMODEL OR TENANT FINISH OUT IN AN EXISTING OCCUPIED BUILDING, THE CONTRACTOR IS TO OBSERVE THE FOLLOWING. REMOVE EXISTING WASTE PIPING NOT TO BE REUSED OR IN USE BY OTHER TENANTS. AVOID CONFLICTS BETWEEN NEW AND EXISTING PIPING SYSTEMS. TO ENSURE PROPER INSTALLATION OF THE NEW PIPING VERIFY FLOWLINE ELEVATION AND LOCATION OF EXISTING PIPING CONNECTION POINTS.
- THE INTENT OF THE DRAWING HEREIN IS TO REPRESENT A COMPLETE WORKING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL COMPONENTS NECESSARY TO PROVIDE A COMPLETE WORKING AND CODE COMPLIANT SYSTEM WHETHER SHOWN OR NOT SHOWN ON THE DRAWINGS.
- GENERAL CONTRACTOR/ PLUMBING CONTACTOR TO SCOPE EXISTING SANITARY SEWER FOR VERIFICATION OF LINE CONDITION FROM THE TENANT SPACE TO THE EXTERIOR MAIN LATERAL AS REQUIRED. GENERAL CONTRACTOR TO PROVIDE VIDEO DOCUMENTATION OF EXISTING CONDITIONS TO FCDADSON.

	PLL	<u>JMBING FI</u>	XTU	RE	S	<u>Ct</u>	HEDULE
	MARK	FIXTURE	WASTE	VENT	CW	HW	DESCRIPTION / REMARKS
	HWC	ACCESSIBLE WATER CLOSET	3"	3"	1/2"		ZURN Z5560 C1.6 GPF PRESSURE ASSIST, ADA HEIGHT, ELONGATED, TWO-PIECE TOILET, FLOOR MOUNTED VITREOUS CHINA, PRESSURE ASSISTED FLUSH, 1.6 GPF. HANDLE SHALL BE INSTALLED ON WIDE SIDE PER ACCESSIBILITY REQUIREMENTS. OLSONITE #95SS OPEN FRONT SEAT LESS COVER JR SMITH 9230 BRONZE CLOSET RING ASSEMBLY, COLOR TO BE WHITE. ZURN Z880OCR 3/8" POLISHED CHROME ANGLE SUPPLY WITH STOP.
	LAV	LAVATORY WALL HUNG	2**	1-1/2"	1/2"	1/2"	KOHLER VOX 22" VESSEL SINK WITH OVERFLOW K-2660-1-0 WHITE. COMPLETE WITH AMERICAN STANDARD PARADIGM SELECTRONIC FAUCET 702B115.295 BRUSHED NICKEL. VESSEL BATHROOM FAUCET WITH MATCHING POP UP DRAIN SATIN NICKEL. BRASSCRAFT COMMERCIAL RIGID SUPPLIES, ANGLE STOPS AND CHROME PLATED 17 GA L.A. PATTERN CAST BRASS P-TRAP WITH SECURED ESCUTCHEON. P-TRAP AND HOT WATER SUPPLY SHALL BE WRAPPED FOR HANDICAP PROTECTION. PROVIDE TMV SET TO 105" FOR HOT WATER CONNECTION. COLOR TO BE WHITE. 0.5 GPM FLOW RESTRICTER.
	МВ	MOP BASIN	3*	2"	1/2"	1/2"	FIAT PRODUCTS MOP SINK KIT MODEL NO. MSBIDTG-2424, 24X24 MOLDED STONE MOP BAIN. HOSE AND BRACKET, WALL MOUNTED FAUCET, 3 MOP HANGER BRACKET. WALL GUARD FIAT MSG2424 (12" TALL L SHAPED GUARD) 2 SIDES REQUIRED AT MOP SINK)
	WH	GAS WATER HEATER			1"	1"	RHEEM MODEL SUF60120NE (A) 60 GALLON, 120 MBH NATURAL GAS. PROVIDE AN ASME RATED TEMP. & PRESS RELIEF VALVE & WATTS 3/4" N36-M1 VACUUM RELIEF VALVE. PROVIDE 4" DEEP DRAIN PAN. INSTALL 3/4" HOT WATER PUMP/TIMER 120 VOLT RE-CIRCULATION SYSTEM TACO 1/8 HP 6 GPM CAST IRON IN LINE, WET ROTOR HOT WATER CIRCULATOR PUMP OR EQUAL. SET TEMPERATURE TO 120°F. INSTALL VENT PER MANUFACTURER INSTALLATION MANUAL. MAINTAIN 10'-0" TO ALL OUTDOOR AIR INTAKES.
	SH3	SHOWER HEAD			1/2"		WONDERLAND SHOWER INC FLUSH MOUNTED BRUSHED NICKEL 20" X 20" SHOWER HEAD. ELECTRONIC SOLENOID CONTROLLED VIA TIMER BY G.C. / P.C. INSTALL CHILLER LINE ACTIVATION VALVE. FINAL LOCATION TO BE COORDINATED IN FIELD WITH CHILLER MANUFACTURER PRIOR TO PLUMBING ROUGH—IN.
	SH	SHOWER TRIM-ACCESSIBLE			1/2"	1/2"	KOHLER 99243-G-BN AWAKEN HANDSHOWER KIT, BRUSHED NICKEL 2.0 GPM AND K-TS74042-4-BN RITE-TEMP® SHOWER VALVE TRIM. MOUNT TO MEET ALL ACCESSIBILITY REQUIREMENTS. (ACCESSIBLE SHOWER ONLY)
	SH2	SHOWER VALVE			1/2"	1/2"	KOHLER K-TS74042-4-BN SHOWER VALVE
SH2	SD	TRENCH SHOWER DRAIN	3"	2*			KERDI-LINE CHANNEL BODY 36" PRODUCT CODE: KL1V60E90 + KERDI-LINE FRAMELESS 36" TILE GRATE PRODUCT CODE: KL1DRE90 INSTALL SURE SEAL WATERLESS TRAP PRIMER AND DEEP SEAL TRAP WHERE ACCEPTABLE TO LOCAL CODE. INSTALL TRAP PRIMER AS REQUIRED. NO HUB CONNECTION.
	WM	WATER MACHINE	1-1/2	1-1/2	1/2"		ELKAY EZH2O LIV BUILT-IN FILTERED WATER DISPENSER; COLOR ASPEN WHITE C/W REMOTE CHILLER MODEL LBWD06 (CHILLER MUST BE INSTALLED WITHIN 15 FEET OF THE DISPENSER USING 3/8" TUBING (NOT INCLUDED). WHERE SPACE IS LIMITED BELOW WATER DISPENSER, INSTALL ABOVE CEILING IN ACCESSIBLE LOCATION PROVIDE AND INSTALL ERF750 - WATER SENTRY PLUS RESIDENTIAL REPLACEMENT FILTER AP99 - ELKAY ACCESS PANEL 14" X 29" X 6" (PROVIDE ONE REPLACEMENT FILTER) COORDINATE WITH G.C. FOR INSTALL OF ACCESS PANEL ADJACENT TO REFRIGERATOR IN WALL TO ACCESS REAR OF MACHINE FOR FUTURE SERVICE. INSTALL TO MEET ALL ACCESSIBILITY REQUIREMENTS
D C	FD	FLOOR DRAIN	3"	2"			JOSAM 30003-A-55 CAST IRON DRAIN WITH SATIN NIKOLOY STRAINER, CAST IRON FLASHING COLLAR. INSTALL SURE SEAL WATERLESS TRAP PRIMER AND DEEP SEAL TRAP.
%	wco	WALL CLEANOUT	PLAN				J.R. SMITH WALL CLEANOUT. FURNISH CHROME, SQUARE ACCESS COVER AND FRAME.
Ō	FCO	FLOOR CLEANOUT	PLAN				JOSAM 57000-22 FLOOR CLEANOUT, LEVELEZE COATED CAST IRON BODY WITH ADJUSTABLE HOUSING, SATIN NIKALOY TOP AND INSIDE CAULK CONNECTION.
	TP	TRAP PRIMER			1/2"		PRECISION PLUMBING PRODUCTS TRAP PRIMER. BRONZE CONSTRUCTION WITH VACUUM PORTS. ADJUSTABLE WITH 1/2" COPPER TYPE L TO RECEPTOR.
	WHA	WATER HAMMER ARRESTOR			PLAN	PLAN	J.R. SMITH SERIES HYDROTROL, STAINLESS STEEL CONSTRUCTION.
	1	1	1			 	

TMV THERMOSTATIC MIXING VALVE -- - 1/2" 1/2" WATTS LEAD FREE LFUSG-B THERMOSTATIC MIXING VLAVE. BRASS. SET TO 109 F. INSTALL BELOW ALL HAND SINKS

TABLE 709.1 DRAINAGE	FIXTURE UNITS		
TABLE 709.1 DRAINAGE FIXTURE	E UNITS		
FIXTURE	DFU		
DRINKING FOUNTAIN	0.5		
FLOOR DRAIN	2.0		
KITCHEN SINK	2.0		
LAVATORY	1.0		
SERVICE SINK	2.0		
SHOWER	2.0		
WATER CLOSET	4.0		
CLOTHS WASHER	2.0		
710.1(1)			

4" SLOPED AT 1/8" PER FOOT MAXIMUM CONNECTED 180 DRAINAGE FIXTURE UNITS



SANITARY SEWER PLAN NORTH

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE. ISSUED / REVISIONS:

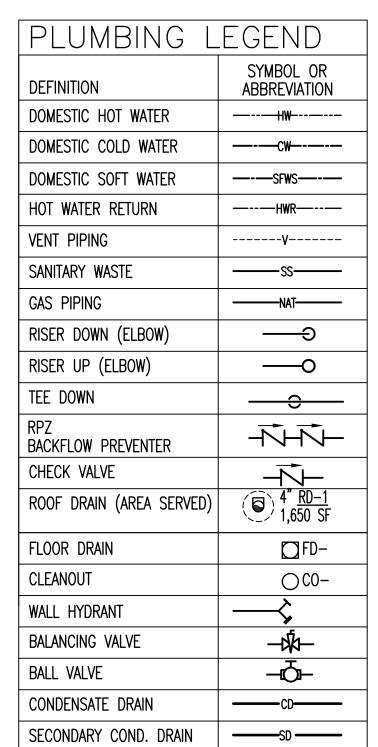


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830 SKY VIST SUITE 100 COLORADO ? CHECKED BY: Staff DRAWN BY: Staff JUNE 17, 2024 SCALE: PER PLAN

PROJECT No.: PSS 2417 **Ⅲ** SHEET TITLE **PLUMBING PLANS AND ISOMETRIC**

SHEET No.

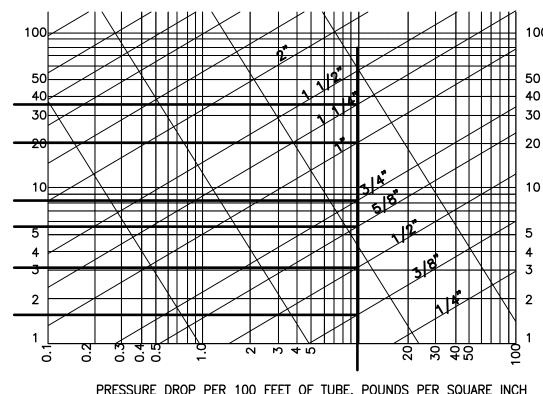


SHEET KEY NOTES

- EXISTING 1" WATER SERVICE TO SPACE. VIF LOCATION AND CONDITION OF EXISTING CONDITIONS WITH LANDLORD REP. REMOTE METER AND BACKFLOW ON SITE. CONFIRM ALL REQUIRED COMPONENTS NECESSARY FOR A COMPLETE/CODE COMPLIANT INSTALLATION. CLEARLY LABEL CEILING TILE "MAIN WATER SHUT OFF"

 1/2" HOT AND COLD WATER DOWN WITH 1/2" HOT AND COLD WATER TO
- FIXTURES, INSTALL WATER HAMMER ARRESTOR ON TOP OF FEED DOWN.

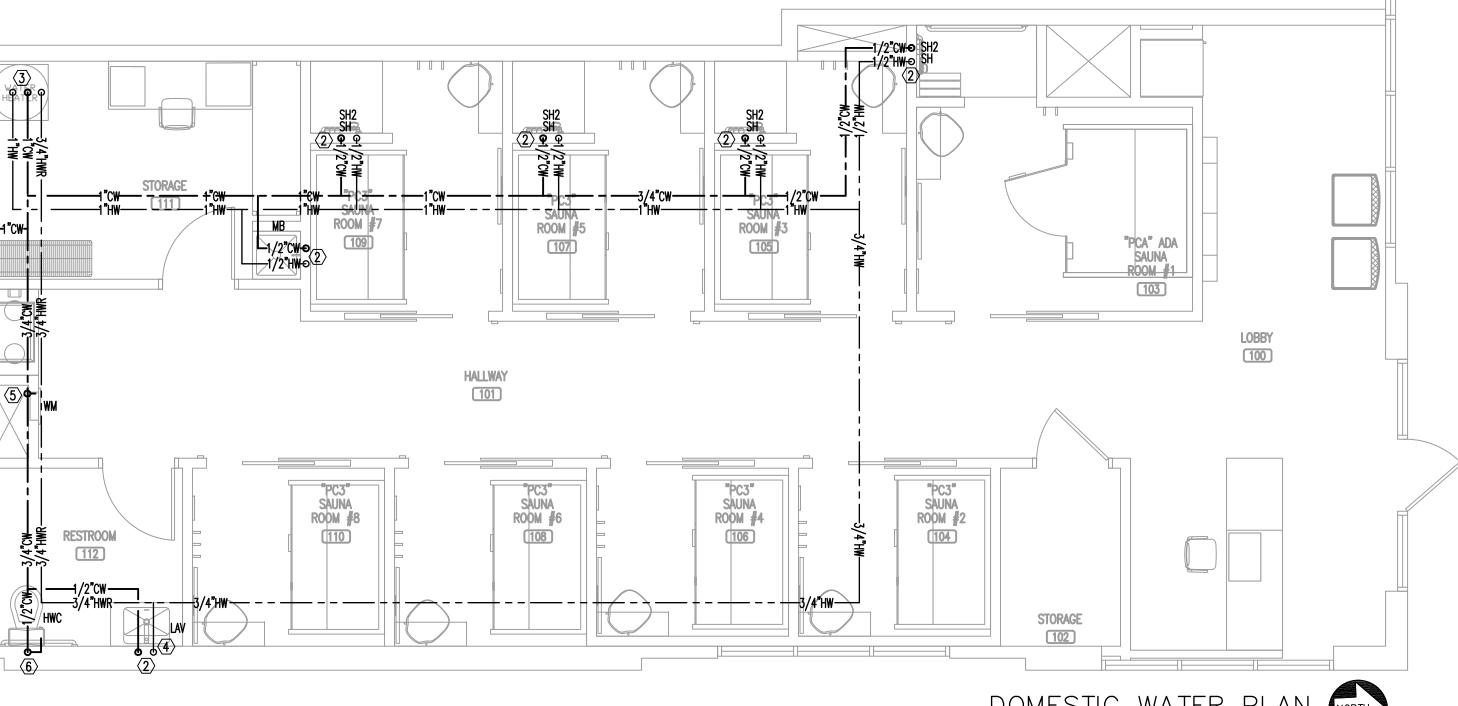
 3 1" HOT AND COLD WATER DOWN TO WATER HEATER.
- (4) WATTS LFUSG-B THERMOSTATIC MIXING VALVE SET TO 109°F BELOW HAND SINK.
 (5) PC. TO INSTALL BOTTLE FILLER PER MANUFACTURER INSTALL MANUAL.
- 6 1/2" COLD WATER DOWN TO HWC, INSTALL WATER HAMMER ARRESTOR ON TOP OF FEED DOWN.



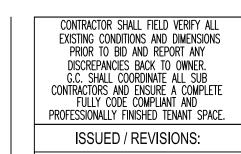
PRESSURE DROP PER 100 FEET OF TUBE, POUNDS PER SQUARE INCH
BRANCH PIPE SIZING CHART FOR 10 PSI. LOSS

	FIXTURE NAME NO. F.U. TOT. WATER CLOSET (FLUSH TANK) 1 X 3.0 = 3.0 LAVATORY
100	19.5 FIXTURE UNITS = 20.0 GALLONS PER MINUTE (G.P.M.) 1"CW LINE WILL SUPPLY 20.0 GALLONS PER MINUTE
50 40 30 20	PIPE LENGTH TAP TO METER
5	FRICTION LOSS (PSI): BACK FLOW PREVENTER LOSS 12.00 PSI METER LOSS 8.00 PSI HIGHEST PRESS. REQ'D. AT FIXTURE 15.00 PSI
2	TOTAL OVERALL LOSSES 35.00 PSI PRESSURE AVAILABLE FOR PIPING 15.0 PSI
1 <u>3</u> ::H	15 PSI / 156 TDL X 100 = 9.6 PSI MAXIMUM PRESS. DROP ALLOWABLE/100 FT. OF PIPE PER IPC APPENDIX E. TABLE E201.1 TDL 150 FEET 50-60 PSI 3/4" METER WITH 1" DISTRIBUTION 25 WSFU

WATER SUPPLY CALCULATIONS



DOMESTIC WATER PLAN NORTH SCALE: 1/4"=1'-0"



| Company | Comp



PERSPIRE SAUNA STUDIO

SAUNA SUITE 100 COLORADO SPRINGS, (

CHECKED BY: Staff

DRAWN BY: Staff

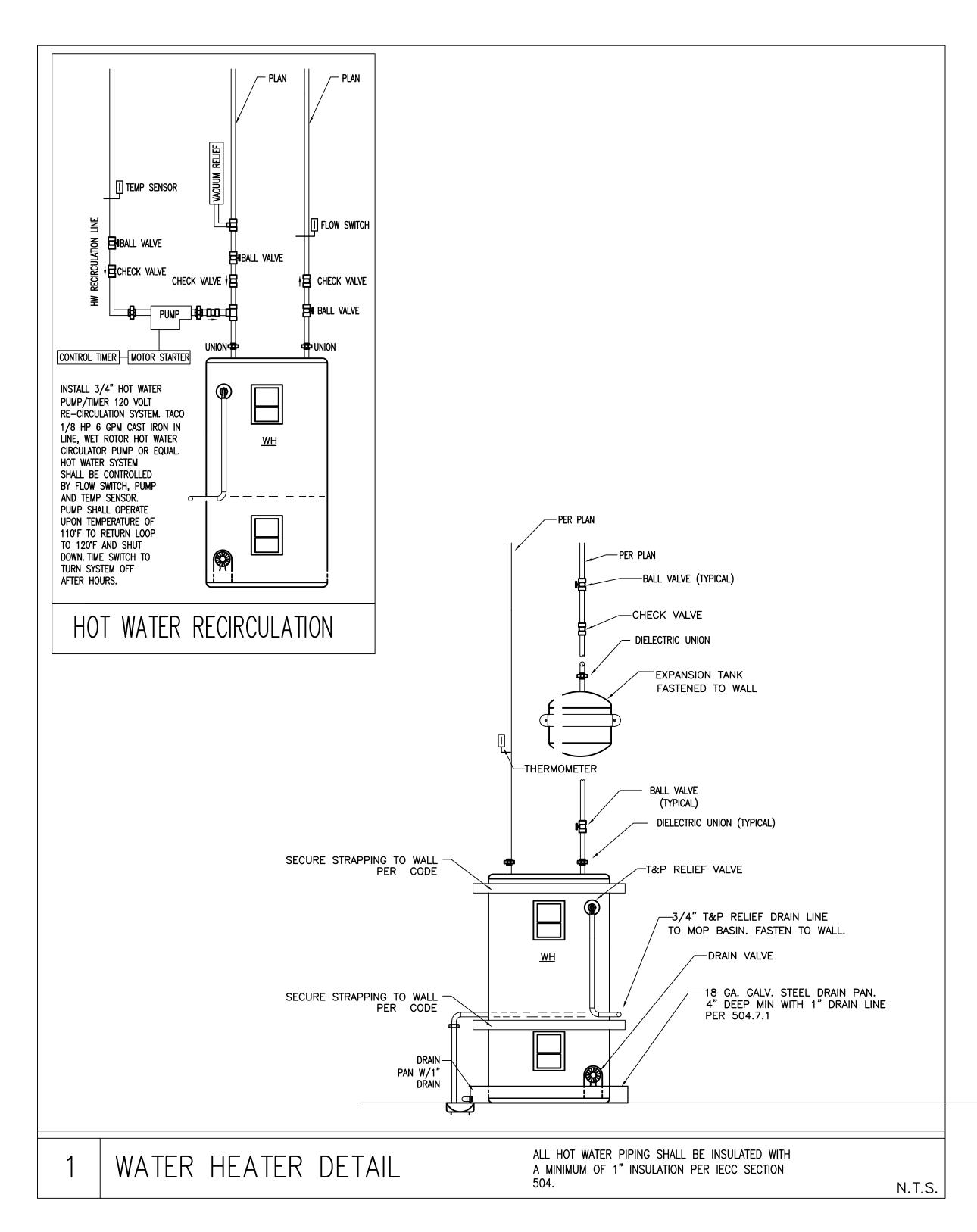
DATE: JUNE 17, 2024

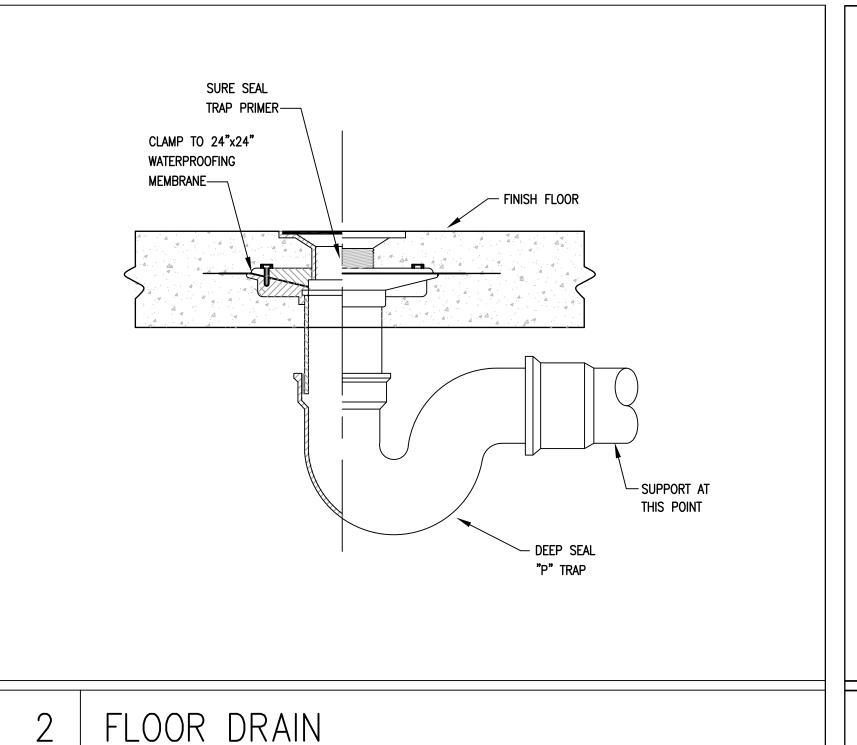
SCALE: PER PLAN

PROJECT No.: PSS 2417

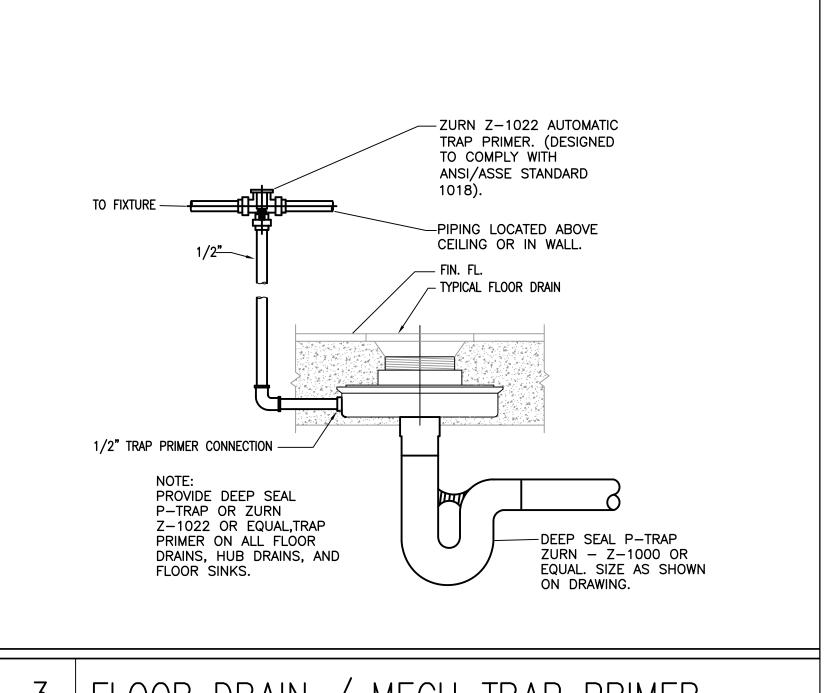
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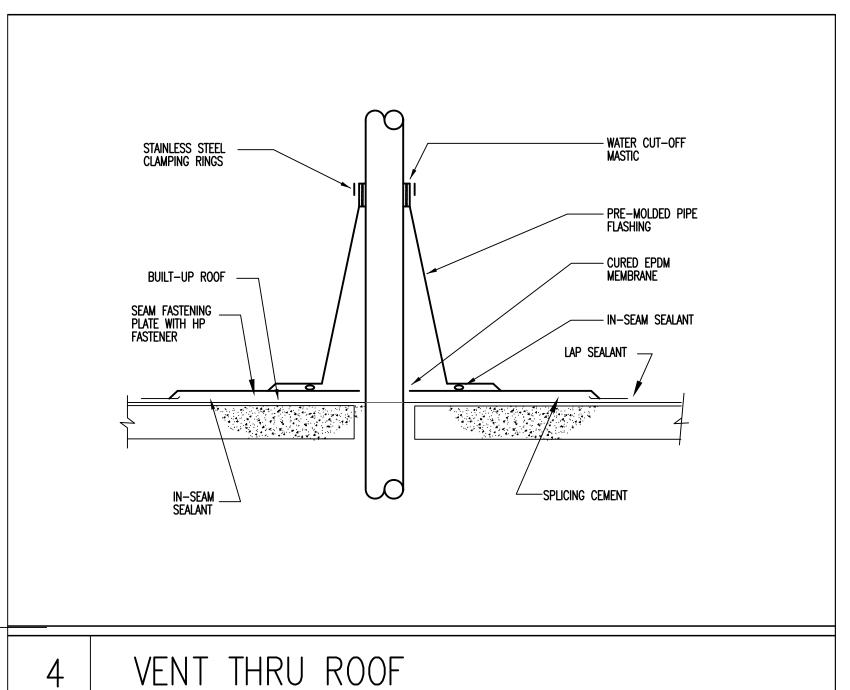
DOMESTIC WATER PLAN

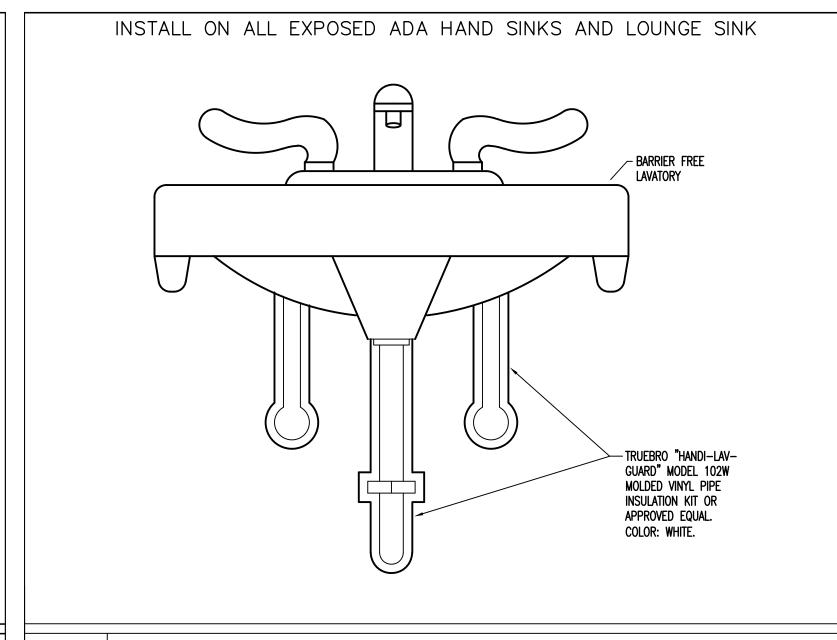




N.T.S.

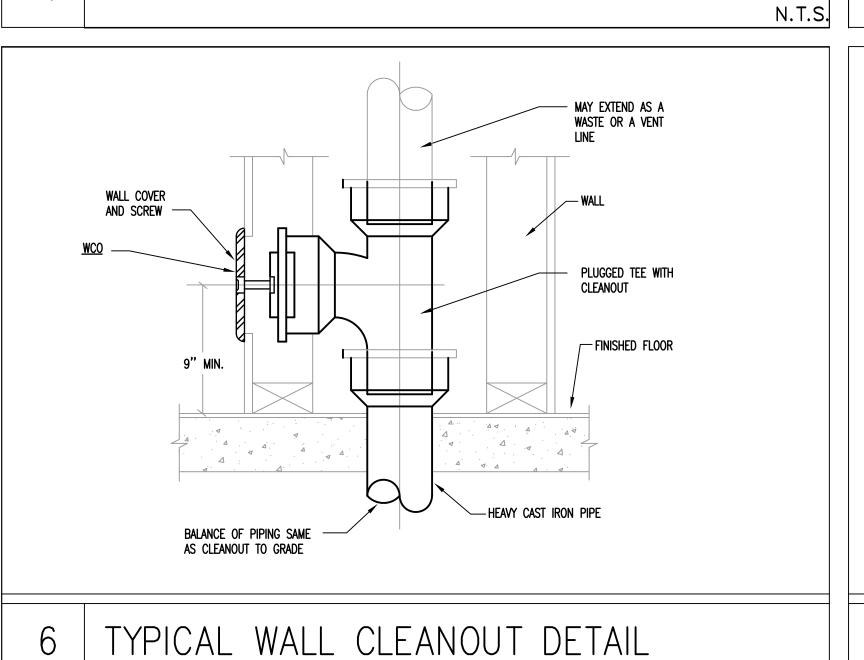


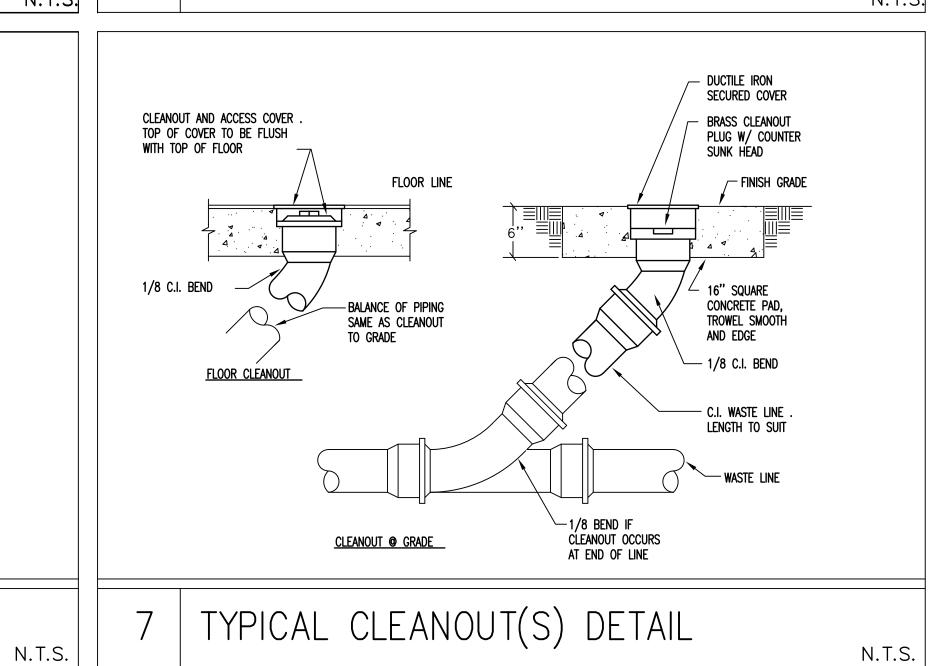


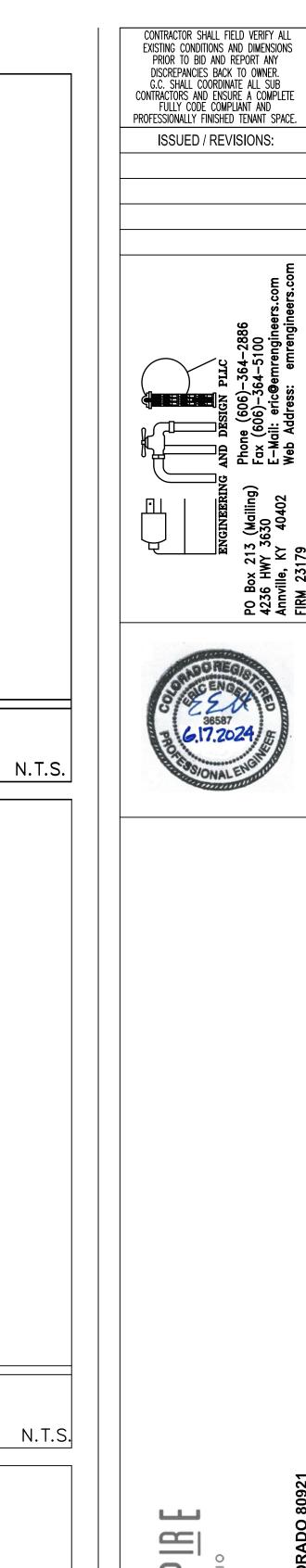


MECHANICAL TRAP PRIMER INSTALLED ON ALL FLOOR DRAINS

ADA PIPE SHROUDING





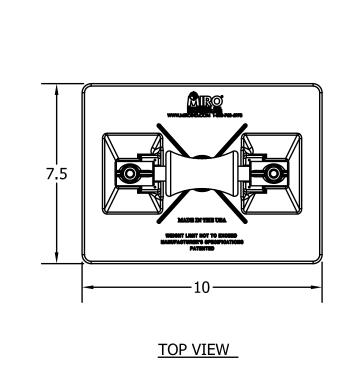


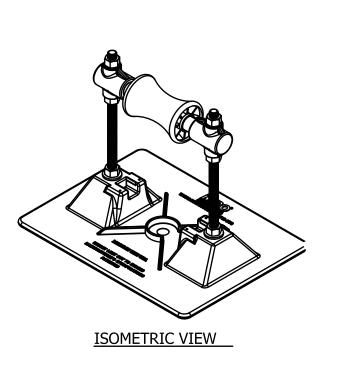


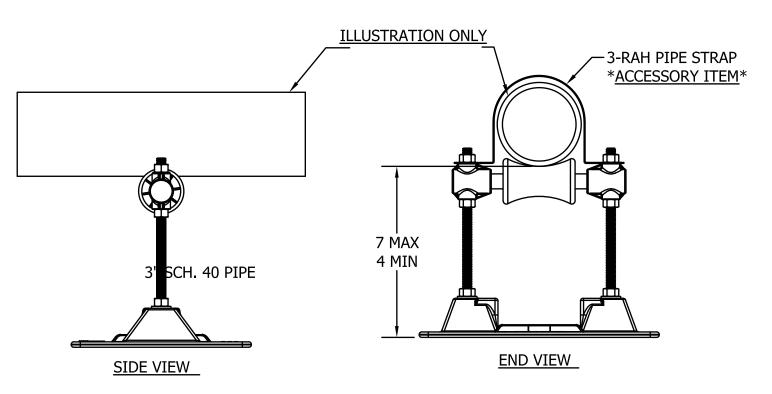
ESTIONS CONTACT 920-757-1486

CHECKET
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DATE:
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SCALE:
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SHEET IT 000 CHECKED BY: Staff
DRAWN BY: Staff JUNE 17, 2024 PER PLAN PROJECT No.: PSS 2417 SHEET TITLE

PLUMBING DETAILS







ACCESSOF

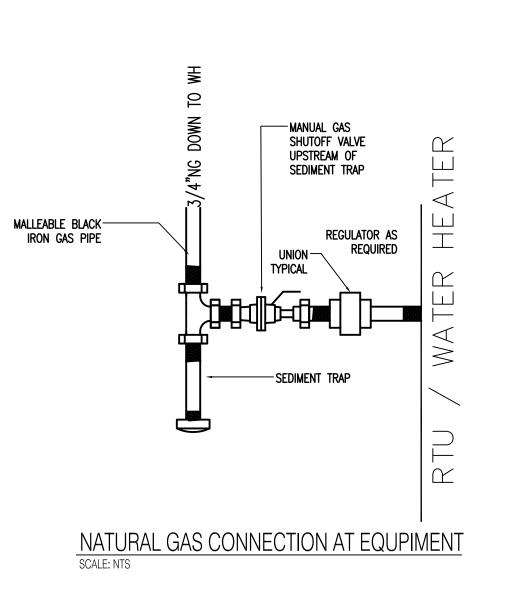
- 3-RAH Pipe Strap Order to Pipe O.D.
- Support pad or deck plateEternabond2-sided tape

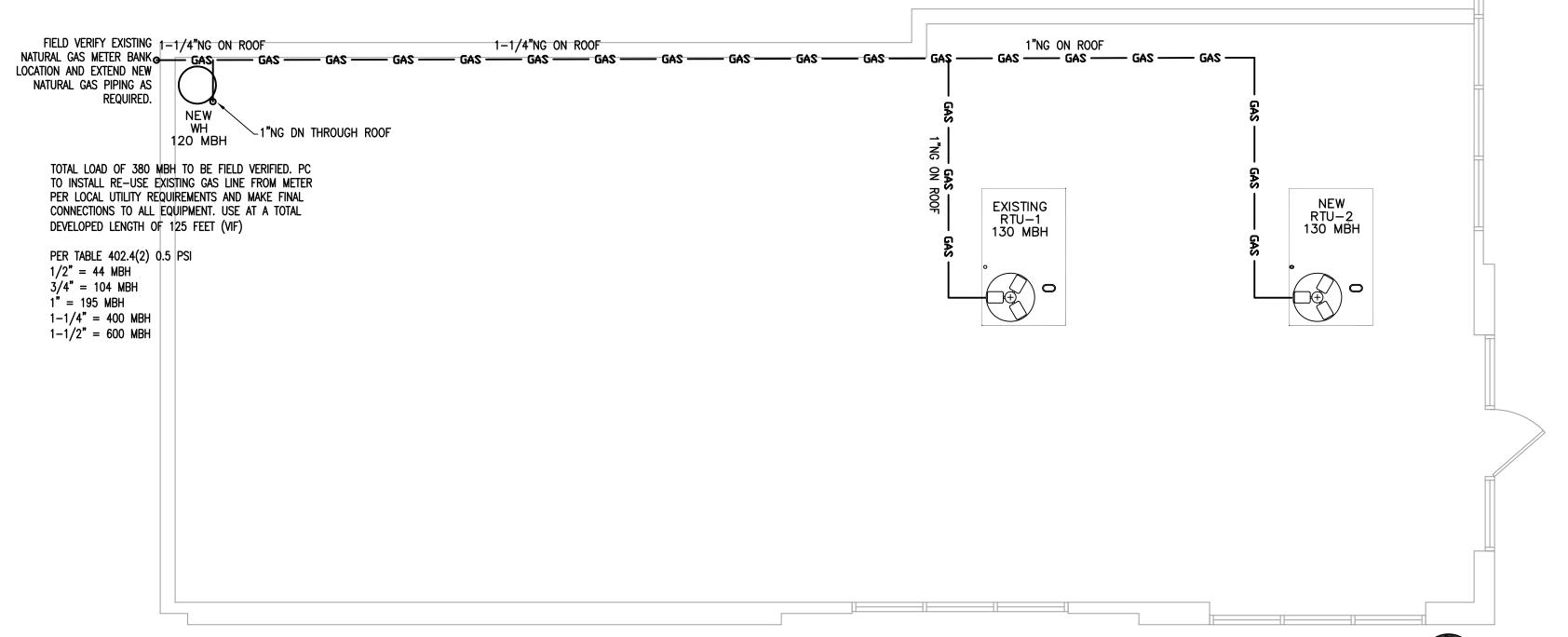
PRODUCT DESCRIPTION

A "roller-bearing" pipe support used to support roof-mounted gas pipes, electrical conduit, solar piping and other mechanical piping. Unique design absorbs thermal expansion and contraction of pipes thus preventing damage to the roof membrane. Pipes rest on a self-lubricating polycarbonate resin

KEY INFORMATI

- 3" ID maximum pipe capacity 3-3/4" OD maximum. Adjustable in height from 3-3/4" to 7", even load
- 12 per case, 29 lbs. per case
- Recommended spacing is not to exceed 10 feet
- each pipestand is properly elevated to even load weight at all pipestands.





NATURAL GAS PLAN NORTH SCALE: 1/4" = 1'-0"

CONTRACTOR SHALL FIELD VERIFY ALL
EXISTING CONDITIONS AND DIMENSIONS
PRIOR TO BID AND REPORT ANY
DISCREPANCIES BACK TO OWNER.
G.C. SHALL COORDINATE ALL SUB
CONTRACTORS AND ENSURE A COMPLETE
FULLY CODE COMPLIANT AND
PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

| Mailing | Fax (606)—364—5100 | Fax (606)—364—5100 | E-Mail: eric@emrengineers.com | Mailing |



PERSPIBE SAUNA STUDIO

830 SKY VISTA SUITE 100 COLORADO S

CHECKED BY: Staff

DRAWN BY: Staff

DATE: JUNE 17, 2024

SCALE: PER PLAN

PROJECT No.: PSS 2417

SHEET TITLE

NATURAL
GAS PLAN
& DETAILS

ET No.

15410 PLUMBING PIPING PLUMBING FIXTURES

SECTION 15010 - SPECIAL REQUIREMENTS FOR MECHANICAL PLUMBING PART 1.00 — GENERAL

1.01 REFERENCES:

A. THE GENERAL CONDITIONS AND SPECIAL CONDITIONS ARE A PART OF THIS

B. WHERE ITEMS OF THE GENERAL CONDITIONS AND SPECIAL CONDITIONS ARE REPEATED IN THIS SECTION OF THE SPECIFICATIONS, IT IS MERELY INTENDED TO QUALIFY OR TO CALL ATTENTION TO THEM. IT IS NOT INTENDED THAT ANY OTHER PART OF THE GENERAL CONDITIONS SHALL BE ASSUMED TO BE OMITTED IF NOT REPEATED HEREIN.

C. THIS SECTION APPLIES EQUALLY AND SPECIFICALLY TO ALL CONTRACTORS SUPPLYING LABOR AND/OR EQUIPMENT AND/OR MATERIALS AS REQUIRED UNDER EACH SECTION OF THIS DIVISION.

1.02 INTENT:

- A. IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION, ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT SHOWN ON THE DRAWINGS, BUT MENTIONED IN THE SPECIFICATIONS OR VICE-VERSA. OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT IN ALL RESPECT AND READY FOR OPERATION, EVEN IF NOT PARTIALLY SPECIFIED, SHALL BE FINISHED, DELIVERED AND INSTALLED UNDER THEIR RESPECTIVE DIVISION WITHOUT ADDITIONAL EXPENSE TO
- B. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR THE PROPER INSTALLATION AND OPERATION, SHALL BE INCLUDED IN THE WORK AS THOUGH THEY ARE HEREINAFTER SPECIFIED OR SHOWN.
- C. WORK UNDER EACH SECTION SHALL INCLUDE GIVING WRITTEN NOTICE TO THE OWNER OF ANY MATERIALS OR APPARATUS BELIEVED INADEQUATE OR UNSUITABLE IN VIOLATION OF LAWS, ORDINANCES , RULES OR REGULATIONS OF AUTHORITIES HAVING JURISDICTION, AND NECESSARY ITEMS OF NOTICE, IT IS MUTUALLY AGREED THAT WORK UNDER EACH DIVISION HAS INCLUDED THE COST OF ALL REQUIRED ITEMS FOR THE APPROVED SATISFACTORY FUNCTIONING OF THE ENTIRE SYSTEM WITHOUT EXTRA COMPENSATION.

1.03 DRAWINGS:

- A. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. DO NOT SCALE THE DRAWINGS. CONSULT THE DESIGNER DRAWINGS AND DETAILS EXACT LOCATION OF FIXTURES AND EQUIPMENT, WHERE SAME ARE NOT DEFINITELY LOCATED, OBTAIN THIS INFORMATION FROM THE DESIGNER.
- B. WORK UNDER EACH SECTION SHALL CLOSELY FOLLOW DRAWINGS IN LAYOUT OF WORK AND CHECK DRAWINGS OF OTHER DIVISIONS TO VERIFY SPACES IN WHICH WORK WILL BE INSTALLED. MAINTAIN MAXIMUM HEADROOM AND WHERE SPACE CONDITIONS APPEAR INADEQUATE, ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH INSTALLATIONS.
- C. ENGINEER MAY, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.
- D. WHERE VARIANCES OCCUR BETWEEN THE DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER OF THE DOCUMENTS. THE ITEM OR ARRANGEMENT OF BETTER QUALITY, OR HIGHER COST, SHALL BE INCLUDED IN THE CONTRACT PRICE. THE ENGINEER SHALL DECIDE ON THE ITEM AND THE MANNER IN WHICH THE WORK SHALL BE INSTALLED.

1.04 SURVEYS AND MEASUREMENTS:

- A. BEFORE SUBMITTING TO HIS BID, THE CONTRACTOR SHALL VISIT THE SITE, AND THE EXISTING BUILDING AND SHALL BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS UNDER WHICH HIS WORK WILL BE INSTALLED. AS HE WILL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS HE MAKES OR ANY OMISSIONS OR ERRORS HE MAKES AS A RESULT OF HIS FAILURE TO BECOME FAMILIAR WITH THE SITE, THE EXISTING BUILDING AND THE CONTRACT DOCUMENTS.
- B. THE CONTRACTOR SHALL BASE ALL MEASUREMENTS, BOTH HORIZONTAL AND VERTICAL FROM ESTABLISHED BENCH MARKS. ALL WORK SHALL AGREE WITH THESE ESTABLISHED LINES AND LEVELS. VERIFY ALL MEASUREMENTS AT SITE AND CHECK THE CORRECTNESS OF SAME AS RELATED TO THE WORK. C. SHOULD THE CONTRACTOR DISCOVER ANY DISCREPANCY BETWEEN ACTUAL
- MEASUREMENTS AND THOSE INDICATED, WHICH PREVENTS FOLLOWING GOOD PRACTICE OR THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, HE SHALL NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH HIS WORK UNTIL HE HAS RECEIVED INSTRUCTIONS FROM THE ENGINEER.

1.05 CODES AND STANDARDS:

- A. THE STANDARDS AND CODES LISTED BELOW SHALL APPLY TO ALL MECHANICAL WORK. WHERE STANDARDS OR CODES ARE MENTIONED IN THESE SPECIFICATIONS, THE LATEST EDITION OR REVISION SHALL BE FOLLOWED.
- 1. ANSI A13.1— SCHEME FOR THE IDENTIFICATION OF PIPING SYSTEM 2. ANSI A40.8 - NATIONAL PLUMBING CODES
- 3. ANSI C 1 NATIONAL ELECTRIC CODE (NFPA 70) 4. ANSI C50 - ROTATING ELECTRICAL MACHINERY
- 5. ANSI C51.1— CONSTRUCTION AND GUIDE FOR SELECTION, INSTALLATION F
- 6. ANSI C52.1- MOTORS AND GENERATORS (NEMA MG 1) B. STATE AND LOCAL CODES SHALL APPLY AS LIST ON COVER SHEET.

C. THE FOLLOWING ABBREVIATIONS ARE USED WITHIN THIS SECTION OF THE

- ACPA AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
- AMCA AIR MOVING AND CONDITIONING ASSOCIATION ANSI — AMERICAN NATIONAL STANDARDS INSTITUTE
- API AMERICAN PETROLEUM INSTITUTE ARI - AIR CONDITIONING AND REFRIGERATION INSTITUTE
- ASHRAE— AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ASME - AMERICAN SOCIETY OF MECHANICAL ENGINEERS
- ASTM AMERICAN SOCIETY OF TESTING AND MATERIALS AWS - AMERICAN WELDING SOCIETY
- AWWA AMERICAN WATER WORKS ASSOCIATION
- BOCA BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC. CGA - COMPRESSED GAS ASSOCIATION
- CISPI CAST IRON SOIL PIPE INSTITUTE EJMA — EXPANSION JOINT MANUFACTURERS ASSOCIATION
- EPA ENVIRONMENTAL PROTECTION AGENCY FSSC - FEDERAL SPECIFICATION
- IBR INSTITUTE OF BOILER AND RADIATOR MANUFACTURERS IEEE - INSTITUTE OF ELECTRICAL AND ELECTRICAL ENGINEERS
- NEMA NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION NFPA - NATIONAL FIRE PROTECTION ASSOCIATION
- NOFI NATIONAL OIL FUEL INSTITUTE NSPC - NATIONAL STANDARD PLUMBING CODE
- OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
- PDI PLUMBING AND DRAINAGE INSTITUTE SMACNA - SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL
- ASSOCIATION U.L. - UNDERWRITERS' LABORATORIES

1.06 PERMITS AND FEES:

- A. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS AND PAY ALL GOVERNMENT SALES TAXES AND FEES WHERE APPLICABLE. AND OTHER COSTS, INCLUDING UTILITY CONNECTIONS OR EXTENSIONS, IN CONNECTION WITH HIS WORK, FILE ALL NECESSARY APPROVALS OF ALL GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION, OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR HIS WORK AND DELIVER A COPY TO THE ENGINEER BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK.
- B. THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS, IN ORDER TO COMPLY WITH ALL APPLICABLE LAWS. ORDINANCES RULES AND REGULATIONS. WHETHER OR NOT SHOWN ON DRAWINGS AND/OR SPECIFIED.
- C. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH RULES AND RECOMMENDATIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION, WITH THE REQUIREMENTS OF THE LOCAL UTILITY COMPANIES. WITH THE RECOMMENDATIONS OF THE INSURING AUTHORITY, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION.
- 1.07 COORDINATION WITH OTHER DIVISIONS: A. ALL WORK SHALL BE CARRIED OUT IN CONJUNCTION WITH OTHER TRADES AND FULL COOPERATION SHALL BE IN ORDER THAT ALL WORK MAY PROCEED WITH A MINIMUM OF DELAY AND INTERFERENCE. PARTICULAR EMPHASIS PLACED ON TIMELY INSTALLATION OF MAJOR APPARATUS AND FURNISHING OTHER CONTRACTORS, ESPECIALLY THE GENERAL CONTRACTOR, WITH INFORMATION AS TO OPENINGS, CHASES, EQUIPMENT LOCATIONS, PANELS WIRING REQUIRED BY OTHER TRADES
- B. THE CONTRACTOR IS REQUIRED TO EXAMINE ALL OF THE PROJECT DRAWING AND MUTUALLY ARRANGE WORK SO AS TO AVOID INTERFERENCE. DUCTWORK, HEATING PIPES AND DRAINAGE LINES TAKE PRECEDENCE OVER WATER, GAS AND ELECTRICAL
- C. WHERE THE WORK OF THE CONTRACTOR WILL BE INSTALLED IN CLOSE PROXIMITY TO. OR WILL INTERFERE WITH WORK OF OTHER TRADES. HE SHALL ASSIST IN WORKING OUT SPACE CONDITIONS TO MAKE A SATISFACTORY ADJUSTMENT. IF SO DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PREPARE COMPOSITE WORKING DRAWINGS AND SECTIONS AT A SCALE NOT LESS THAN 3/8" = 1' - 0"CLEARLY SHOWING HOW HIS WORK IS TO BE INSTALLED IN RELATION TO THE WORK OF OTHER TRADES. IF THE CONTRACTOR INSTALLS HIS WORK BEFORE COORDINATING WITH OTHER TRADES, HE SHALL MAKE NECESSARY CHANGES IN HIS WORK TO CORRECT THE CONDITION WITHOUT EXTRA CHARGE. CONTRACTORS SHALL COORDINATE RADIATION COVERS WITH CONVENIENCE OUTLETS TO AVOID CONFLICTS.
- 1.08 APPROVALS: A. THE MATERIALS, WORKMANSHIP, DESIGN AND ARRANGEMENT OF ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- B. WITHIN THIRTY (30) DAYS AFTER THE ACCEPTANCE OF BIDS, THE MECHANICAL CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A LIST OF MANUFACTURERS OF EQUIPMENT PROPOSED FOR THE WORK UNDER THE MECHANICAL SECTION. THE INTENT TO USE THE EXACT MAKES SPECIFIED DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF SUBMITTING SUCH A LIST.
- C. WHERE ANY SPECIFIC MATERIAL, PROCESS OR METHOD OF CONSTRUCTION, OR MANUFACTURED ARTICLE IS SPECIFIED BY NAME OR BY REFERENCE TO THE CATALOGUE NUMBER OF A MANUFACTURER, THE SPECIFICATIONS ARE TO BE USED AS A GUIDE AND ARE NOT INTENDED TO TAKE PRECEDENCE OVER THE BASIC DUTY AND PERFORMANCE SPECIFIED WITH THE SPECIFIC CHARACTERISTICS OF THE EQUIPMENT OFFERED FOR APPROVAL. EQUIPMENT CHARACTERISTICS ARE TO BE USED AS MANDATORY REQUIREMENTS WHERE CONTRACTOR PROPOSES TO USE AN APPROVED EQUAL
- D. ALL COMPONENT PARTS OF EACH ITEM OF EQUIPMENT OR DEVICE SHALL BEAR THE MANUFACTURER'S NAMEPLATE, GIVING NAME OF MANUFACTURER, DESCRIPTION, SIZE. TYPE, SERIAL OR MODEL NUMBER. ELECTRICAL CHARACTERISTICS, ETC., IN ORDER TO FACILITATE MAINTENANCE OR REPLACEMENT. THE NAMEPLATE OF SUBCONTRACTOR OR DISTRIBUTOR WILL NOT BE ACCEPTABLE.
- E. IF MATERIAL OR EQUIPMENT IS INSTALLED BEFORE IT IS APPROVED, THE CONTRACTOR SHALL BE LIABLE FOR ITS REMOVAL AND REPLACEMENT AT NO EXTRA CHARGE TO THE OWNER IF, IN THE OPINION OF THE ENGINEER, THE MATERIAL OR EQUIPMENT DOES NOT MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.

1.09 EQUIPMENT DEVIATIONS:

- A. BIDS SHALL BE BASED ON MATERIAL AND EQUIPMENT SPECIFIED. WHERE MORE THAN ONE MANUFACTURER IS NAMED IN THE PLANS OR SPECIFICATIONS, EQUIPMENT OR MATERIALS SHALL BE EQUAL TO THE MODEL OR TYPE SPECIFIED, BUT MAY BE THE PRODUCT OF ANY OF THE MANUFACTURERS LISTED FOR THE PARTICULAR ITEM. IF IT IS DESIRED TO SUBSTITUTE THE PRODUCT OF A MANUFACTURER NOT SPECIFIED A PARTICULAR ITEM, THE MANUFACTURER AND ITEM TO BE SUBSTITUTED SHALL BE NAMED ON THE BID FORM TOGETHER WITH THE ADDITION OR DEDUCTION OF THE BASE BID. BASE BID SHALL BE BASED ON USING MANUFACTURER'S EQUIPMENT AS
- B. IN THESE SPECIFICATIONS AND ON THE ACCOMPANYING DRAWINGS, ONE OR MORE MAKES OF MATERIALS. APPARATUS OR APPLIANCE HAVE BEEN SPECIFIED FOR USE IN THIS INSTALLATION. THIS HAS BEEN DONE FOR CONVENIENCE IN FIXING THE STANDARD OF WORKMANSHIP, FINISH AND DESIGN REQUIRED FOR THIS WORKMANSHIP, FINISH AND DESIGN AND THE GUARANTEED PERFORMANCE OF ANY MATERIALS, APPARATUS OR APPLIANCE WHICH THE CONTRACTOR DESIRES TO SUBSTITUTE FOR THOSE MENTIONED STANDARDS. WHERE NO SPECIFIC MAKE OF MATERIAL, APPARATUS OR APPLIANCE IS MENTIONED, ANY FIRST CLASS PRODUCT MADE BY REPUTABLE MANUFACTURER MAY BE USED, PROVIDING IT CONFORMS TO THE REQUIREMENTS OF THESE SPECIFICATIONS, IN THE OPINION OF AND MEETS THE APPROVAL OF THE ENGINEER. WHERE TWO OR MORE NAMES ARE GIVEN AS EQUALS, THE CONTRACTOR MUST USE ONE OF THE NAMED EQUALS. WHERE ONE NAME ONLY IS USED AND IS FOLLOWED BY THE WORD "OR APPROVED EQUAL" THE CONTRACTOR MUST USE THE ITEM NAMED, BUT HE MAY APPLY FOR SUBSTITUTION THROUGH THE PRESCRIBED MANNER.
- C. WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN SPECIFIED OF DETAILED ON THE DRAWINGS WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS WIRING, OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL OR DESIGNERURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS AND DETAILING REQUIRED THEREFORE SHALL WITH THE APPROVAL OF THE ENGINEER, BE PREPARED UNDER WORK OF THE RESPECTIVE SECTION AT NO COST TO THE OWNER.
- D. WHERE SUCH APPROVED DEVIATION REQUIRES A DIFFERENT QUANTITY AND ARRANGEMENT OF DUCTWORK, PIPING, WIRING, CONDUIT AND EQUIPMENT FROM THAT SPECIFIED OR INDICATED ON THE DRAWINGS, WITH THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL FURNISH AND INSTALL ANY SUCH DUCTWORK, PIPING, STRUCTURAL SUPPORTS, INSULATION, CONTROLLERS, MOTORS, STARTERS, AND ANY OTHER ADDITIONAL EQUIPMENT REQUIRED BY THE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.

1.10 MANUFACTURER'S IDENTIFICATION:

A. MANUFACTURER'S NAMEPLATE, NAME OR TRADEMARK AND ADDRESS SHALL BE ATTACHED PERMANENTLY TO ALL EQUIPMENT AND MATERIAL FURNISHED UNDER THIS DIVISION. THE NAMEPLATE OF A CONTRACTOR OR DISTRIBUTOR SHALL NOT BE ACCEPTABLE.

1.11 SHOP DRAWINGS:

- A. CONTRACTOR SHALL SUBMIT FOR REVIEW, DETAILED SHOP DRAWINGS OF ALL EQUIPMENT AND ALL MATERIAL REQUIRED TO COMPLETE THE PROJECT. NO MATERIAL OR EQUIPMENT MAY BE DELIVERED TO THE SITE OR INSTALLED UNTIL THE CONTRACTOR HAS IN HIS POSSESSION AN APPROVED SHOP DRAWING FOR THE PARTICULAR MATERIAL OR EQUIPMENT.
- B. SHOP DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENT OUTLINED IN THE GENERAL CONDITIONS OF THESE SPECIFICATIONS.

C. FAILURE OF THE CONTRACTOR TO SUBMIT SHOP DRAWINGS IN AMPLE TIME SHALL

- NOT ENTITLE HIM TO AN EXTENSION OF CONTRACT TIME AND NO CLAIM FOR EXTENSION BY REASON OF SUCH DEFAULT TO BE ALLOWED. D. CATALOGUES, PAMPHLETS OR OTHER DOCUMENTS SUBMITTED TO DESCRIBED ITEMS ON WHICH APPROVAL IS REQUESTED, SHALL BE SPECIFIC AND IDENTIFICATION
- DATA OF GENERAL NATURE WILL NOT BE ACCEPTED. E. THE CONTRACTOR SHALL FURNISH ALL NECESSARY TEMPLATES, PATTERNS, ETC. FOR INSTALLATION WORK AND FOR THE PURPOSE OF MAKING ADJOINING WORK CONFORM, FURNISH SETTING PLANS AND SHOP DETAILS TO OTHER TRADES AS

IN CATALOGUE, PAMPHLET, ETC. OF ITEM SUBMITTED SHALL BE CLEARLY MADE IN INK.

- F. APPROVAL RENDERED ON SHOP DRAWINGS SHALL NOT BE CONSIDERED AS A GUARANTEE OF MEASUREMENTS OR BUILDING CONDITIONS. WHERE DRAWINGS ARE APPROVED, APPROVAL DOES NOT MEAN THAT DRAWINGS HAVE BEEN CHECKED IN DETAIL; SAID APPROVAL DOES NOT IN ANY WAY RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY, OR NECESSITY IF FURNISHING MATERIAL OR PERFORMING WORK AS REQUIRED BY THE CONTRACT DRAWINGS AND SPECIFICATIONS. VERIFY AVAILABLE SPACE PRIOR TO SUBMITTING SHOP DRAWINGS.
- G. APPROVAL OF SHOP DRAWINGS SHALL NOT APPLY TO QUANTITY NOR RELIEVE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLY WITH INTENT OF DRAWINGS AND SPECIFICATIONS. APPROVAL OF SHOP DRAWINGS ARE FINAL AND NO FURTHER CHANGES WILL BE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

1.12 MATERIAL AND WORKMANSHIP:

- A. ALL MATERIALS AND APPARATUS REQUIRED FOR THE WORK, EXCEPT AS SPECIFIED OTHERWISE. SHALL BE NEW. OF FIRST CLASS QUALITY AND SHALL BE FURNISHED. DELIVERED, CONNECTED AND FINISHED IN EVERY DETAIL AND SHALL BE SO SELECTED AND ARRANGED TO FIT PROPERLY INTO THE BUILDING SPACE. WHERE NO SPECIFIC KIND OF QUALITY OR MATERIAL IS GIVEN. A FIRST-CLASS STANDARD ARTICLE AS ACCEPTED BY THE ENGINEER, SHALL BE FURNISHED.
- B. THE CONTRACTOR SHALL FURNISH THE SERVICES OF AN EXPERIENCED SUPERINTENDENT WHO SHALL BE CONSTANTLY IN CHARGE OF THE INSTALLATION OF THE WORK, TOGETHER WITH ALL SKILLED WORKMEN, FITTERS, METAL WORKERS, WELDERS, HELPERS, AND LABOR REQUIRED TO UNLOAD, TRANSFER, ERECT, CONNECT-UP, ADJUST, START, OPERATE AND TEST EACH SYSTEM.
- C. UNLESS OTHERWISE SPECIFICALLY INDICATED ON THE PLANS OR SPECIFICATIONS ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED WITH THE ACCEPTANCE OF THE ENGINEER IN ACCORDANCE RECOMMENDATIONS OF THE MANUFACTURER. THIS INCLUDES THE PERFORMANCE OF SUCH TESTS AS THE MANUFACTURER RECOMMENDS.

1.13 PROTECTION:

- A. WORK UNDER THIS SECTION SHALL INCLUDE PROTECTING THE WORK AND MATERIALS OF ALL OTHER SECTIONS FROM DAMAGE BY WORK OR WORKMEN, AND SHALL INCLUDE MAKING GOOD ALL DAMAGE US CAUSED.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORK AND EQUIPMENT UNTIL FINALLY INSPECTED, TESTED AND ACCEPTED; PROTECT WORK AGAINST THEFT, INJURY OR DAMAGE: AND CAREFULLY STORE MATERIAL AND EQUIPMENT RECEIVED ON SITE WHICH ARE NOT IMMEDIATELY INSTALLED. CLOSE OPEN ENDS OF WORK WITH TEMPORARY COVERS OR PLUGS DURING CONSTRUCTION TO PREVENT ENTRY OF OBSTRUCTING MATERIAL.
- C. WORK UNDER THIS SECTION, INCLUDES RECEIVING, UNLOADING, UNCRATING, STORING, PROTECTING, SETTING IN PLACE AND CONNECTING UP COMPLETELY OF EQUIPMENT SUPPLIED UNDER THIS SECTION. WORK UNDER THIS SECTION SHALL ALSO INCLUDE EXERCISING SPECIAL CARE IN HANDLING AND PROTECTING EQUIPMENT AND FIXTURES AND SHALL INCLUDE THE COST OF REPLACING ANY OF THE ABOVE EQUIPMENT AND FIXTURES WHICH MISSING OR DAMAGED BY REASON OF MISHANDLING OR FAILURE TO PROTECT ON THE PART OF THE CONTRACTOR.

1.14 SLEEVES, INSERTS AND ANCHOR BOLTS:

- A. THE CONTRACTOR SHALL PROVIDE, SET IN PLACE AND BE HELD RESPONSIBLE FOR THE LOCATION OF ALL SLEEVES, INSERTS, AND ANCHOR BOLTS REQUIRED FOR THEIR WORK. IN THE EVENT THAT FAILURE TO DO SO REQUIRES CUTTING AND PATCHING OF FINISHED WORK, IT SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
- B. ALL PIPES AND CONDUITS PASSING THROUGH FLOORS, WALLS, OR PARTITIONS, SHALL BE PROVIDED WITH SLEEVES HAVING AN INTERNAL DIAMETER 1 INCH LARGER THAN THE OUTSIDE DIAMETER OF THE PIPE, CONDUIT OR INSULATION, ENCLOSING
- C. SLEEVES THROUGH OUTSIDE WALLS SHALL BE CAST IRON SLEEVES WITH IMMEDIATE INTEGRAL FLANGE. SLEEVES SHALL BE SET WITH ENDS FLUSH WITH EACH FACE OF WALL. THE SPACE BETWEEN SLEEVE AND PIPE SHALL BE PACKED WITH OAKUM TO WITH TWO (2) INCHES OF EACH FACE OF WALL. THE REMAINING SPACE SHALL BE PACKED AND MADE WATERTIGHT WITH A WATERPROOF COMPOUND.
- D. SLEEVES THROUGH CONCRETE FLOORS OR INTERIOR MASONRY WALLS SHALL BE SCHEDULE 40 BLACK STEEL PIPE, SST FLUSH WITH FINISHED WALL OR CEILING SURFACES, BUT EXTENDING TWO (2) INCHES ABOVE FINISHED FLOORS.
- E. SLEEVES THROUGH INTERIOR PARTITIONS SHALL BE 22 GAUGE GALVANIZED SHEET STEEL, SET FLUSH WITH FINISHED SURFACES OF PARTITIONS. F. INSERTS SHALL BE INDIVIDUAL OR STRIP TYPE OR PRESSED STEEL CONSTRUCTION WITH ACCOMMODATION FOR REMOVAL NUTS AND THREADED RODS UP TO 3/4" DIAMETER. PERMITTING LATERAL ADJUSTMENT. INDIVIDUAL INSERTS SHALL HAVE AN OPENING AT THE TOP TO ALLOW REINFORCING RODS UP TO 1/2" DIAMETER TO BE PASSED THROUGH THE INSERT BODY. STRIP INSERTS SHALL HAVE ATTACHED RODS

APPROVED EQUAL. 1.15 NOT USED

A. MAINTAIN AT THE JOB SITE A RECORD SET OF MECHANICAL DRAWINGS ON WHICH CHANGES IN LOCATION OF EQUIPMENT, PIPING, DUCTS, VALVES, CLEANOUTS, PANELS AND MAJOR CONDUITS SHALL BE RECORDED THESE SHALL BE CLEARLY MARKED ON A CLEAN SET OF SEPIA AT THE COMPLETION OF WORK AND TURN OVER TO THE FNGINFFR.

HAVING HOOKED ENDS TO ALLOW FASTENING TO REINFORCING RODS. INSERTS SHALL

BE AS MANUFACTURED BY CARPENTER AND PATTERSON, INC., GRINNEL CO., INC. OR

END OF SECTION 15010

1.33 RECORD DRAWINGS:

DIVISION 15 - MECHANICAL PLUMBING SECTION 15400 - PLUMBING

PART 1.00 - GENERAL PROVISION

WHICH ARE HEREBY MADE A PART OF THIS SECTION.

- 1.01 THE CONTRACTOR FOR WORK UNDER THIS SECTION IF REFERRED TO THE: CONTRACT DRAWINGS, GENERAL CONDITIONS, CONTRACT SPECIFICATIONS, ALL OF
- 1.02 THE CONTRACTOR'S PARTICULAR ATTENTION IS DIRECTED TO THE "GENERAL: NOTES", AND THE REQUIREMENT TO STRICTLY COMPLY WITH ALL THE PROVISIONS OF

1.03 WORK INCLUDED:

- A. PROVIDE ALL LABOR. MATERIALS. EQUIPMENT. SERVICES, ETC., NECESSARY OR REQUIRED FOR THE WORK OF THIS SECTION, AS INDICATED ON THE DRAWINGS, HEREIN SPECIFIED, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ITEMS OF WORK SHALL CONSIST GENERALLY OF, BUT NOT
- BE LIMITED TO THE FOLLOWING: 1. SANITARY PIPING ABOVE AND BELOW GRADE.
- 2. SANITARY VENT PIPING. 3. DOMESTIC HOT AND COLD WATER PIPING.
- 4. NATURAL GAS PIPING (IF REQUIRED).
- 5. ALL VALVES, FITTINGS AND DEVICES ASSOCIATED WITH PIPING SYSTEMS. 6. PIPE INSULATION.
- 7. WATER HEATER
- 8. BACKFLOW PREVENTER.
- 9. PLUMBING FIXTURES AND FAUCETS.
- 10. STOP VALVES. 11. FLOOR DRAINS.
- 12. ROOF DRAINS (IF REQUIRED) 13. DOMESTIC WATER SERVICE. 14. CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS.
- 15. CONDENSATE DRAINS. 16. INDIRECT WASTE DRAINS.

19. NOT USED.

INSTALLATION.

- 17. TESTING. 18. FURNISHING AND SETTING OF ALL SLEEVES THROUGH THE FLOORS, ROOF AND WALL, WHERE REQUIRED INCLUDING WATERPROOFING AND FIREPROOF SEALING AND CAP FLASHING.
- 20. HARDWARE, SUCH AS INSERTS, BOLTS, ETC., ASSOCIATED WITH CONCRETE PADS. 21. CUTTING ASSOCIATED WITH PLUMBING. 22. PRIME PAINTING, WHERE REQUIRED FOR PLUMBING EQUIPMENT AND

- 1.04 RELATED WORK OF OTHER SECTIONS:
- A. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE THE RELATED WORK SECTIONS WITH THE WORK OF THIS SECTION AND BE RESPONSIBLE FOR THE TIMELY AND EXPEDITIOUS PERFORMANCE OF SAME. RELATED WORK SHALL INCLUDE BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING:
- 1. FINISHED PAINTING EXCEPT AS NOTED. 2. ELECTRICAL POWER WIRING, AND SETTING OF STARTERS.
- 3. GAS VENTS BY MECHANICAL CONTRACTOR.
- 1.05 VERIFYING CONDITIONS: A. EXAMINE ALL DRAWINGS COVERING THE WORK OF THIS SECTION AND REFER TO ALL OTHER DRAWINGS, INCLUDING DESIGNERURAL, MECHANICAL AND ELECTRICAL DRAWINGS, WHICH MAY AFFECT THE WORK OF THE SECTION OR REQUIRE
- COORDINATING WITH SAME. B. REPORT IN WRITING TO THE DESIGNER ANY AND ALL CONDITIONS WHICH MAY INTERFERE OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK.

1.06 SUBMITTALS:

- A. SHOP DRAWINGS: 1. PRIOR TO PURCHASING ANY EQUIPMENT OR MATERIALS, A LIST OF THEIR MANUFACTURERS SHALL BE SUBMITTED FOR APPROVAL.
- 2. PRIOR TO ASSEMBLING OR INSTALLING THE WORK, THE FOLLOWING SHALL BE SUBMITTED FOR APPROVAL
- a. PLUMBING FIXTURES & TRIM. b. PIPE INSULATION.
- c. FLOOR DRAINS
- d. GAS VENT MATERIALS. e. FLOOR SINKS
- f. CLEANOUTS. 3. DOCUMENTS WILL NOT BE ACCEPTED FOR APPROVAL UNLESS:
- a. FIVE COPIES OF EACH ARE SUBMITTED. b. ALL REQUIRED CERTIFICATES ARE SUBMITTED WITH APPROVAL.

c. ALL SUBMITTALS CLEARLY MARKED. 1.08 FEES, PERMITS AND CERTIFICATES:

- A. ALL FEES, PERMITS, TAXES OR CERTIFICATES REQUIRED BY GOVERNING BODIES OR ANY OTHER AGENCY AFFECTING THE WORK AS SPECIFIED HEREIN, OR REQUIRED FOR THE CERTIFICATE OF OCCUPANCY. SHALL BE OBTAINED AND PAID FOR BY THIS CONTRACTOR AS PART OF THE BASIC CONTRACT.
- 1.09 REMOVAL OF DEBRIS: A. THIS CONTRACTOR SHALL REMOVE FROM THE BUILDING ALL SURPLUS MATERIALS AND ALL DEBRIS CREATED BY HIM AND SHALL LEAVE THE WORK AREA IN A CLEAN

1.10 CUTTING AND PATCHING:

- A. CUTTING AND DRILLING: CONTRACTOR SHALL DO ALL CUTTING AND DRILLING OF WALLS, PARTITIONS, CEILING, FLOORS, ETC., AS NECESSARY FOR INSTALLATION OF THE NEW WORK, INCLUDING CUTTING OF HOLES AND OTHER OPENINGS FOR NEW WORK. CUTTING SHALL BE PERFORMED BY HAND OR SMALL POWER TOOLS; HOLES AND SLOTS CUT NEAT AND TO SIZE REQUIRED, WITH MINIMUM DISTURBANCE OF ADJACENT WORK: CUT HOLES IN CONCRETE SLABS FOR PIPES WITH CORE DRILLS OF PROPER SIZES. WHERE HOLES ARE CUT IN FLOORS, THE UNDERSIDE SHALL BE DUSTPROOFED TO CATCH ANY DEBRIS AND DUST WHICH MAY RESULT FROM THESE OPERATIONS AND TO PROTECT PERSONS FROM DAMAGES OR INJURIES. OPENINGS SHALL BE COVERED TEMPORARILY WHEN NOT IN USE AND PATCHED AS SOON AS WORK IS INSTALLED.
- 1. SURFACES AFFECTED BY PATCHING AND REPAIRING WORK SHALL BE RESTORED TO MATCH EXISTING ADJACENT SURFACES. WHERE WATERPROOF FLOORS ARE CUT, THIS CONTRACTOR SHALL PATCH AND REPAIR FLOORS IN SUCH A MANNER AS TO RESTORE THE ORIGINAL WATERPROOF CONDITION, AND AS DIRECTED BY THE
- C. RE-EXAMINATION AND COVERING UP OF WORK: 1. RE-EXAMINATION OF QUESTIONED WORK MAY BE ORDERED BY THE DESIGNER, AND IF SO ORDERED, SUCH PART OF THE WORK MUST BE UNCOVERED BY THE CONTRACTOR. IF SUCH PART OF THE WORK BE FOUND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE OWNER SHALL PAY THE COST OF RE-EXAMINATION AND REPLACEMENT IF SUCH PART OF THE WORK BE FOUND NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PAY SUCH COST AND ALSO THE COST OF RESTORING THE WORK OF ANY OTHER CONTRACTOR DAMAGED OR

REMOVED. IF ANY PART OF THE WORK OF THE CONTRACTOR OR OF HIS

SUBCONTRACTORS BE COVERED UP BY THE DESIGNER WITHOUT APPROVAL OR

CONSENT OF THE ENGINEER. SUCH WORK MUST, UPON REQUEST OF THE DESIGNER

BE UNCOVERED AND RESTORED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

1.11 VISITING THE PREMISES: A. THIS CONTRACTOR, BEFORE SUBMITTING HIS BID ON THE WORK, MUST VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL VISIBLE EXISTING CONDITIONS. AS A RESULT OF HAVING VISITED PREMISES, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE WORK AS IT RELATES TO SUCH VISIBLE EXISTING CONDITIONS.

END OF SECTION 15400

DIVISION 15 - MECHANICAL / PLUMBING

SECTION 15410 - PLUMBING PIPING

PART 1.00 - GENERAL 1.01 RELATED DOCUMENTS:

- A. THIS SECTION COORDINATES WITH AND IS COMPLEMENTARY TO THE GENERAL CONDITIONS. SUPPLEMENTARY GENERAL CONDITIONS AND THE GENERAL REQUIREMENTS. WHEREVER APPLICABLE TO MECHANICAL WORK.
- B. SECTION 15010 SPECIAL REQUIREMENTS FOR MECHANICAL WORK. 1.02 DESCRIPTION OF WORK A. THE WORK INCLUDES THE PROVIDING OF ALL LABOR, MATERIALS, EQUIPMENT, ACCESSORIES, SERVICES AND TESTS NECESSARY TO COMPLETE AND MAKE READY FOR OPERATION BY THE OWNER; PLUMBING PIPING IN ACCORDANCE WITH DRAWINGS

AND SPECIFICATIONS. 1.03 QUALITY ASSURANCE:

A. MANUFACTURERS: FIRMS REGULARLY ENGAGED IN THE MANUFACTURER OF EQUIPMENT OF THE TYPES AND CAPACITIES REQUIRED, WHOSE PRODUCTS HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR NOT LESS THAN 5 YEARS. B. THE EQUIPMENT SHALL BE DESIGNED, ASSEMBLED AND TESTED IN ACCORDANCE

WITH APPLICABLE STANDARDS AS INDICATED IN SECTION 15010 AND SHALL BE LISTED

AND LABELED BY UNDERWRITERS LABORATORIES. C. PROVIDE EQUIPMENT PRODUCED BY A MANUFACTURER LISTED AS AN APPROVED MANUFACTURER IN THIS SECTION OR ON THE DRAWING SCHEDULES.

D. PROVIDE EQUIPMENT WHOSE PERFORMANCE UNDER SPECIFIED CONDITION, IS CERTIFIED BY THE MANUFACTURER.

1.04 GUARANTEE: A. REFER TO SECTION 15010 - SPECIAL REQUIREMENTS FOR MECHANICAL WORK. PART 2.00 - PRODUCTS

2.01 GENERAL:

APPROVAL BY THE DESIGNER.

- A. ALL PIPE SHALL BE NEW, FREE FROM SCALE OR RUST, AND OF THE MATERIAL AND WEIGHT SPECIFIED UNDER THE VARIOUS SERVICES. EACH LENGTH OF PIPE SHALL BE PROPERLY MARKED AT THE MILL FOR PROPER IDENTIFICATION WITH NAME OR SYMBOL OF MANUFACTURER.
- 2.02 SANITARY & STORM DRAINAGE: A. ABOVE GROUND SANITARY WASTE, VENT AND ROOF DRAIN PIPING SHALL SERVICE WEIGHT CAST IRON, NO-HUB TYPE. UNDERGROUND SANITARY AND DRAIN PIPING EXTRA HEAVY SHALL BE CAST IRON HUB AND SPIGOT TYPE WITH NEOPRENE JOINTS
- C. PROVIDE: TAP IN FLOOR DRAIN TRAPS TO RECEIVER TRAP PRIMER DISCHARGE. D. ALL VENT PENETRATIONS THROUGH BUILDING ROOF SHALL BE MADE WATERTIGHT BY THE USE OF PROPER FLASHING MATERIALS. SUBMIT FLASHING DETAILS FOR

B. CLEANOUTS FOR SANITARY AND STORM DRAINAGE SYSTEMS SHALL BE LOCATED IN

ACCORDANCE WITH THE PLUMBING CODE REFERENCED IN PARAGRAPH 1.05 OF

E. CONTRACTOR MAY SUBMIT DEDUCT ALTERNATE FOR INSTALLATION OF SANITARY WASTE PIPING, ONLY, IN SCHEDULE 40 PVC, FOR BELOW SLAB AND ABOVE SLAB, TO CEILING HEIGHT ONLY.

"NO PVC PIPING SHALL BE ALLOWED IN RETURN AIR PLENUM"

2.03 DOMESTIC WATER:

- A. DOMESTIC COLD AND HOT WATER PIPING SHALL BE TYPE "L" COPPER FITTINGS SHALL BE WROUGHT COPPER, 95%-5% ANTIMONY/TIN SOLDER SHALL BE USED. B. ALL POTABLE WATER PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH LOCAL
- PLUMBING CODE INDICATED IN PARAGRAPH 1.05 OF SECTION 15010 AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL HEALTH DEPARTMENT. C. PROVIDE STOP VALVES FOR ALL DOMESTIC WATER CONNECTIONS TO FIXTURES
- EXCEPT WHERE INTEGRAL STOPS ARE PROVIDED, OR GATE VALVES ARE INDICATED ON THE DRAWINGS.
- D. ALL HOSE BIBS AND HYDRANTS SHALL BE PROVIDED WITH APPROVED VACUUM E. PROVIDE CHROME PLATED, BRASS ANGLED STOP VALVES FOR ALL LAVATORIES,
- F. DISCHARGE OF ALL RELIEF VALVES SHALL BE PIPED TO WITHIN 6" OF THE FLOOR TO PREVENT ACCIDENTAL SCALDING.

2.04 NATURAL GAS:

- A. COORDINATE THE LOCATION OF GAS METER (S) WITH THE LOCAL GAS COMPANY. B. GAS SYSTEM SHALL BE SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON
- FITTINGS. VALVE SHALL BE LUBRICATED PLUG TYPE, SIMILAR TO CRANE #250. . Provisions shall be made for expansion and contraction of GAS Piping D. PIPING SHALL BE SLOPED NOT LESS THAN 1/4 INCH IN 15 FEFT. HORIZONTAL LINES SHALL SLOPE UPWARD TO RISERS AND FROM RISERS TO THE METER. OR SERVICE REGULATOR OR TO THE EQUIPMENT. DRIPS SHALL BE PROVIDED AT SUCH POINTS TO ACT AS STORAGE FOR CONDENSATE. DRIPS SHALL BE ACCESSIBLE AND SHALL NOT
- BE LOCATED WHERE THE CONDENSATE IS LIKELY TO FREEZE. E. ALL BRANCH CONNECTIONS SHALL BE MADE ON THE TOP OR SIDE OF HORIZONTAL
- F. GAS PIPING SHALL NOT BE RUN IN OR THROUGH SUPPLY AIR DUCTS, CLOTHES
- CHUTES, CHIMNEYS, VENTS, DUMBWAITERS, OR ELEVATOR SHAFTS. G. VALVES, UNIONS OR RUNNING THREAD SHALL NOT BE LOCATED IN ANY AIR PLENUM.

2.05 CONDENSATE DRAINS & INDIRECT WASTES:

2.06 PIPE HANGERS AND SUPPORTS:

- A. CONDENSATE DRAINAGE AND INDIRECT WASTE PIPING SHALL BE TYPE "L" COPPER WITH 95%-5% ANTIMONY/TIN SWEAT JOINTS.
- A. PROVIDE NECESSARY STRUCTURAL MEMBERS, HANGERS AND SUPPORTS OF APPROVED DESIGN TO KEEP PIPING IN PROPER ALIGNMENT AND PREVENT TRANSMISSION OF INJURIOUS THRUSTS AND VIBRATIONS. IN ALL CASES WHERE HANGERS, BRACKETS, ETC., ARE SUPPORTED FROM METAL DECKING AND/OR CONCRETE CONSTRUCTION, CARE SHALL BE TAKEN NOT TO WEAKEN DECKING AND/OR CONCRETE OR PENETRATE WATERPROOFING. ALL HANGERS AND SUPPORTS SHALL BE CAPABLE OF SCREW ADJUSTMENT AFTER PIPING IS ERECTED. HANGERS SUPPORTING PIPING EXPANDING INTO LOOPS, BENDS AND OFFSETS SHALL BE SECURED TO THE BUILDING STRUCTURE IN SUCH A MANNER THAT HORIZONTAL ADJUSTMENT PERPENDICULAR TO THE RUN OF PIPING SUPPORTED MAY BE MADE TO
- ACCOMMODATE DISPLACEMENT DUE TO EXPANSION. B. BEAM CLAMPS — HANGERS SUPPORTED FROM FLOOR STEEL SHALL BE APPROVED SMALLER SHALL BE C & P FIG.148 ADJUSTABLE BEAM CLAMPS. FOR PIPING 2 ½ INCHES BEAM CLAMPS. I BEAM CLAMPS FOR HANGERS SUPPORTING PIPE 2 INCHES AND AND LARGER, I BEAM CLAMPS SHALL BE WROUGHT STEEL. C & P FIG. NO. 268 OR
- C. WHERE PIPING IS RUN NEAR THE FLOOR AND NOT HUNG FROM THE CEILING CONSTRUCTION BUT IS SUPPORTED FROM THE FLOOR. SUCH SUPPORTS SHALL BE OF PIPE STANDARDS WITH BASE FLANGE AND ADJUSTABLE TOP YOKE SIMILAR TO F & S FIG. NO. 907 OR EQUAL.
- D. ALL VERTICAL PIPING SHALL BE ANCHORED BY MEANS OF HEAVY STEEL CLAMPS SECURELY BOLTED OR WELDED TO THE PIPING, AND WITH END EXTENSION BEARING E. ALL VERTICAL PIPING SHALL BE GUIDED AT EACH FLOOR BY USE OF CLAMPS
- GUIDES. SADDLES SHALL BE FASTENED TO PIPE OR INSULATION. F. VERTICAL RUNS OF PIPE NOT OVER 15 FEET LONG SHALL BE SUPPORTED BY HANGERS PLACED NOT OVER ONE FOOT FROM THE ELBOWS ON THE CONNECTING

FASTENED TO BUILDING STRUCTURE. PROVIDE 360 DEGREES PROTECTIVE SADDLE AT

NOT OVER 6 INCHES IN SIZE OR NOT OVER 30 FEET LONG AND NOT OVER 12 INCHES G. VERTICAL RUNS OF PIPE OVER-15 FEET LONG BUT NOT OVER 60 FEET LONG AND IN SIZE, SHALL BE SUPPORTED ON HEAVY STEEL CLAMPS. CLAMPS SHALL BE BOLTED TIGHTLY AROUND THE PIPES AND SHALL REST SECURELY ON THE BUILDING STRUCTURE WITHOUT BLOCKING. CLAMPS SHALL BE WELDED TO THE PIPES OR

PLACED BELOW COUPLINGS. CLAMPS SHALL BE TYPE 8, FEDERAL SPECIFICATION

WW-H-171C, UNLESS OTHER TYPES ARE APPROVED.

HANGER RODS SHALL BE	OF THE FOLLOWING DIAMETERS	AND SPACING:
<u>PIPE SIZE</u>	ROD DIAMETER	MAX. SPACING
1-1/4 " AND BELOW	3/8 "	7'-0"
1-1/2" AND 2"	3/8 "	9'-0" COPPER (8'-0")
2-1/2 " AND 3	1/2"	11'-0" (COPPER 9'-0")

H. PIPING SHALL NOT BE HUNG FROM OTHER PIPING, DUCTS, CONDUITS OR VERTICAL EXPANSION SHIELDS WILL BE PERMITTED. HANGER RODS SHALL NOT PIERCE DUCTS. I. WHERE ADDITIONAL STEEL IS REQUIRED FOR THE SUPPORT OF HANGERS, FURNISH AND INSTALL SAME SUBJECT TO THE APPROVAL OF THE DESIGNER. J. ALL PIPING RUNNING ON WALLS BE SUPPORTED BY MEANS OF HANGERS

1/2"

14'-0"

SUSPENDED FROM HEAVY ANGLE IRON WALL BRACKETS. NO WALL HOOKS WILL BE K. LATERAL BRACING OF HORIZONTAL PIPE SHALL BE PROVIDED WHERE REQUIRED TO PREVENT SIDE SWAY OR VIBRATION.

ACTION BETWEEN FERROUS AND NON-FERROUS MATERIALS.

CONSISTS IN FURNISHING ALL LABOR, EQUIPMENT, ACCESSORIES AND MATERIALS

C MECHANICAL SYSTEM INSULATION — THE WORK COVERED BY THIS SPECIFICATION

L. NO PIPING SHALL BE ASSEMBLED IN SUCH A MANNER AS TO HAVE DIELECTRIC

AND IN PERFORMING ALL OPERATIONS NECESSARY FOR THE INSTALLATION OF THERMAL INSULATION FOR THE PLUMBING. ALL COMPONENTS OF THE INSULATION FOR PIPING INCLUDING, FACINGS, MASTICS AND ADHESIVES, SHALL HAVE A FIRE HAZARD RATING NOT TO EXCEED 25 FOR FLAME SPREAD AND 50 FOR FUEL CONTRIBUTED AND SMOKE DEVELOPED. RATINGS

SHALL BE AS DETERMINED BY UNDERWRITERS LABORATORIES, INCORPORATED, OR

ALL DOMESTIC HOT WATER LINES, HOT WATER RECIRC LINES, AND COLD WATER LINE SHALL BE INSULATED FROM THEIR SOURCE IN THE MECHANICAL ROOM. THROUGH THE CORRIDOR CEILING, TO EACH BRANCH IN THE CORRIDOR WALL WITH FLEXIBLE CLOSED-CELL POLYETHYLENE BY THERMACELL OR ARMAFLEX-2000. CHARACTERISTICS. K = .25 @ 75 DEGREES F. .01 WATER PERM. IN., 1/2"

OTHER APPROVED TESTING LABORATORY IN ACCORDANCE WITH ASTME-84

END OF SECTION 15410 DIVISION 15 - MECHANICAL / PLUMBING

SECTION 15440 - PLUMBING FIXTURES A. REFER TO PLUMBING FIXTURE SCHEDULE IN THE PLUMBING DESIGN CONSTRUCTION DOCUMENTS.

END OF SECTION 15440

CONTRACTOR SHALL FIELD VERIFY ALL **EXISTING CONDITIONS AND DIMENSIONS** PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. SHALL COORDINATE ALL SU CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:



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JUNE 17, 2024

PER PLAN

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PROJECT No.: PSS 2417 | Ш| SHEET TITLE **PLUMBING SPECIFICATIONS**