

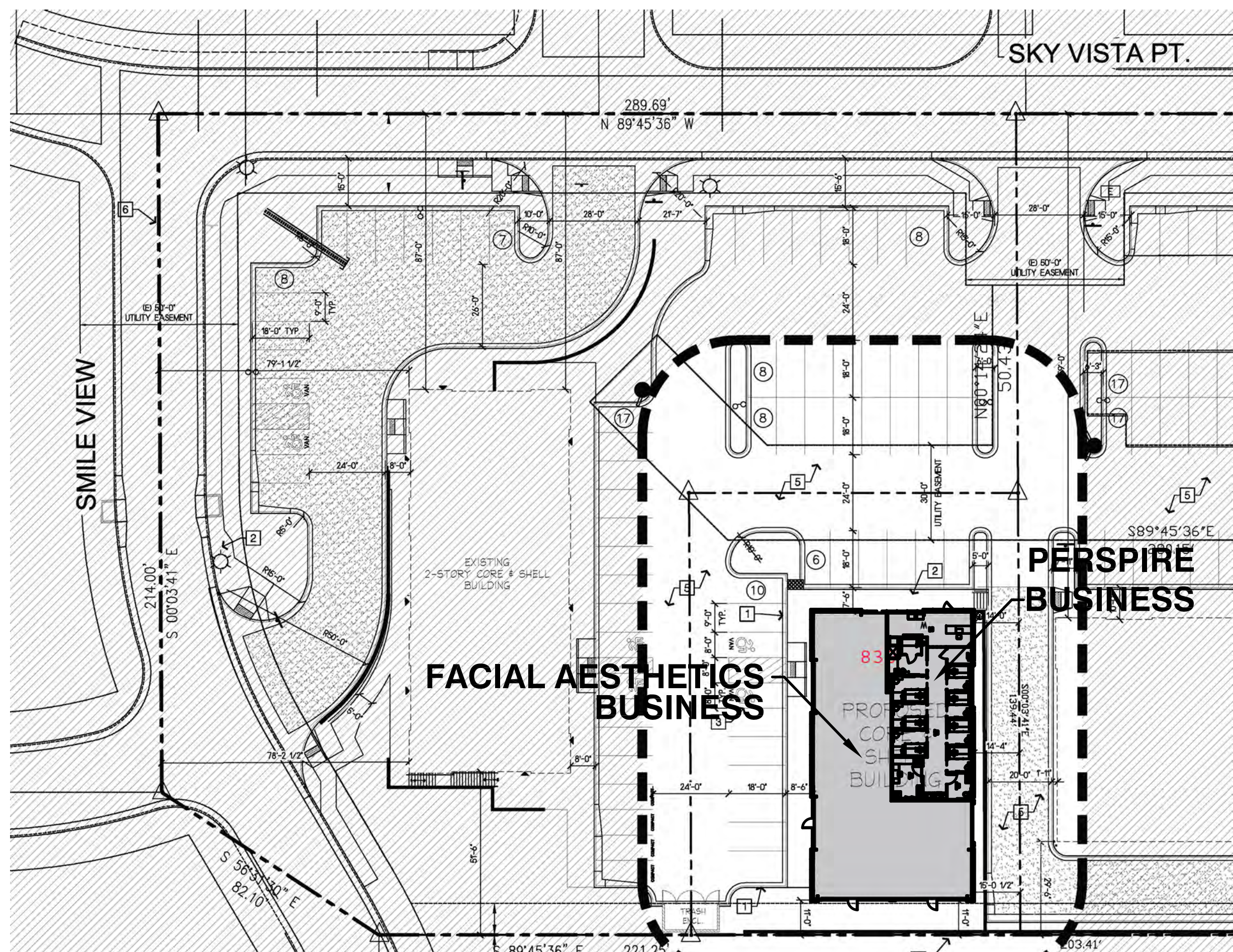


10LB TYP ABC FIRE EXTINGUISHER RECESSED CABINET WITH SIGNAGE INSTALLED. FINAL LOCATIONS AND QUANTITIES BY FIRE MARSHALL.

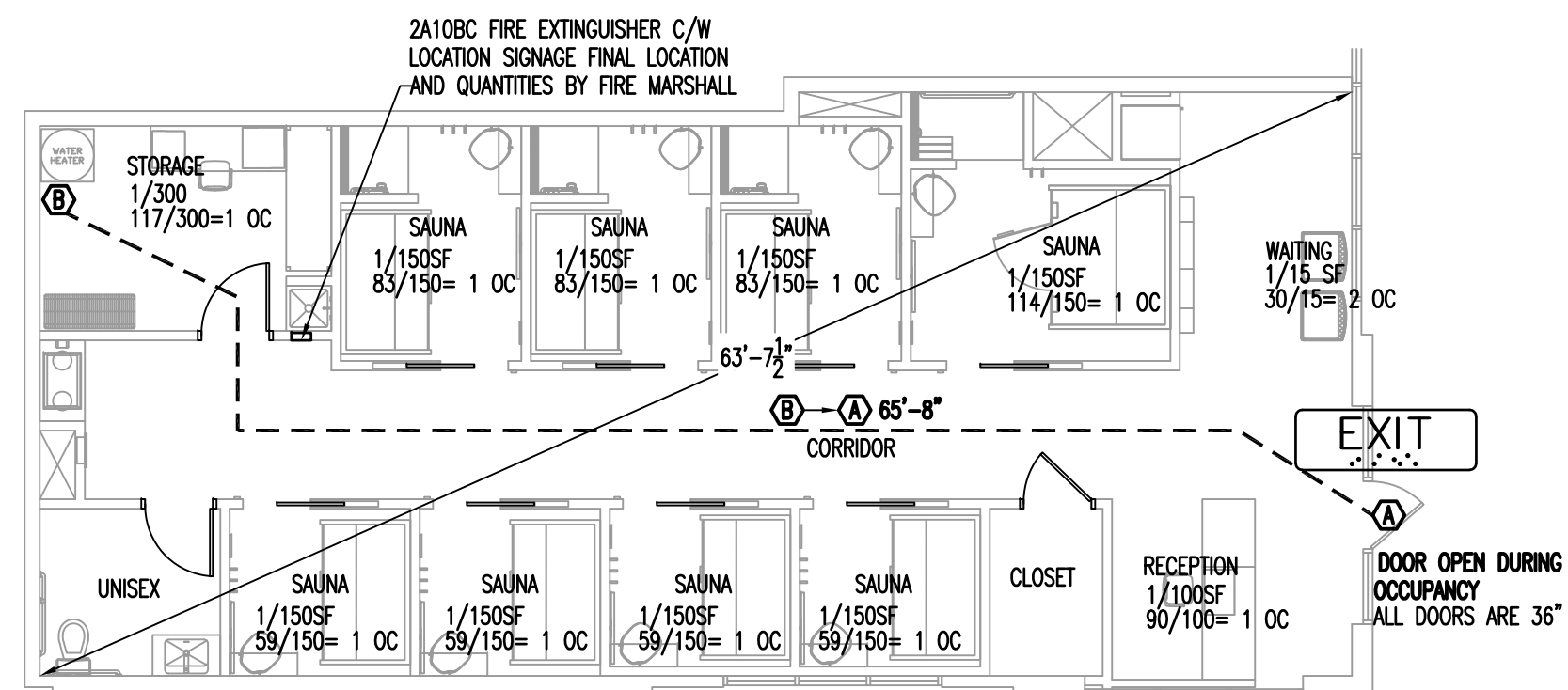
GENERAL CONTRACTOR SHALL VISIT SITE AND ENSURE ALL BIDDING SUBCONTRACTOR'S VISIT SITE PRIOR TO BID. G.C. WILL BE RESPONSIBLE FOR ALL EXISTING CONDITIONS MEETING OR EXCEEDING THOSE DEPICTED WITH PLANS. WHERE EXISTING CONDITIONS ARE NOT AS SHOWN, G.C. SHALL INCLUDE IN BID THE NECESSARY LABOR AND MATERIALS 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 NTS

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



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



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
EGRESS 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.

GENERAL NOTES

- GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR A PROFESSIONALLY COMPLETE TENANT IMPROVEMENT WITHIN THE ADDRESS LISTED ON THESE PLANS.
- 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 THE SPECIFIC PERFORMANCES. ANY OTHER USE MAY VIOLATE THE COPYRIGHT LAWS OF THE UNITED STATES.
- THE DESIGNER, FODADSON, FRANCHISEE, OR PERSPIRE ASSUME NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THESE DOCUMENTS FOR ANY PURPOSE OTHER THAN SPECIFICALLY AUTHORIZED BY THE ABOVE MENTIONED AND SIGNED AND SEALED FOR THE SPECIFIC LOCATION IN THE STATE SHOWN ON THE DRAWINGS AND SEAL.
- 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.
- 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.
- 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 FODADSON 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 THE DRAWINGS.
- 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.
- 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.
- 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.
- TEMPORARY SERVICES REQUIRED DURING CONSTRUCTION SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR, UNLESS OTHERWISE AGREED UPON.
- 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.
- 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 FODADSON, FRANCHISEE AND PERSPIRE PA OF ANY DAMAGED MATERIALS RECEIVED. IMMEDIATELY FILE A DAMAGE CLAIM WITH THE APPROPRIATE SHIPPING COMPANY.
- 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 AS REQUIRED.
- DRAWINGS MAY NOT ALWAYS BE TO SCALE. NOTED DIMENSIONS SHALL TAKE PRECEDENCE.
- DIMENSIONS ON CONSTRUCTION DRAWINGS ARE TO THE FACE OF FINISH, UNLESS OTHERWISE NOTED. THE GENERAL CONTRACTOR SHALL NOT SCALE THE DRAWINGS.
- ALL NOTES THROUGHOUT THESE CONSTRUCTION DRAWINGS APPLY TO ALL SHEETS WHERE APPLICABLE.
- 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.
- 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.
- ALL CHANGES TO THESE DOCUMENTS MUST BE APPROVED BY PERSPIRE AND FODADSON.
- NO MATERIAL SUBSTITUTIONS WILL BE PERMITTED UNLESS WRITTEN AUTHORIZATION HAS BEEN GRANTED BY FODADSON 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.
- 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.
- 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.
- 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.
- 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 FRANCHISEE.
- 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 MANUAL.
- TEN DAYS BEFORE CONSTRUCTION COMMENCEMENT, THE GENERAL CONTRACTOR SHALL PROVIDE FODADSON 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.
- 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 FODADSON.

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1.02	LIFE SAFETY PLAN
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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
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1.12	INTERIOR ELEVATIONS
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1.14	ARCHITECTURAL SPECIFICATION
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4.01	SANITARY SEWER PLAN AND SCHEDULES
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TENANT IMPROVEMENT

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 / O-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
PROJECT / CONSTRUCTION COORDINATOR

f.c. dadson inc.

N1043 CRAFTSMEN DR.
SUITE 2
GREENVILLE, WI 54942
Phone: 920-757-1486
FAX: 920-757-1482

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
PO Box 213 (Mellville)
4236 HWY 3630
Annville, KY 40402
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: erc@emrengineers.com
Web Address: emrengineers.com
FIRM 23179



BIDDING QUESTIONS CONTACT 920-757-1486

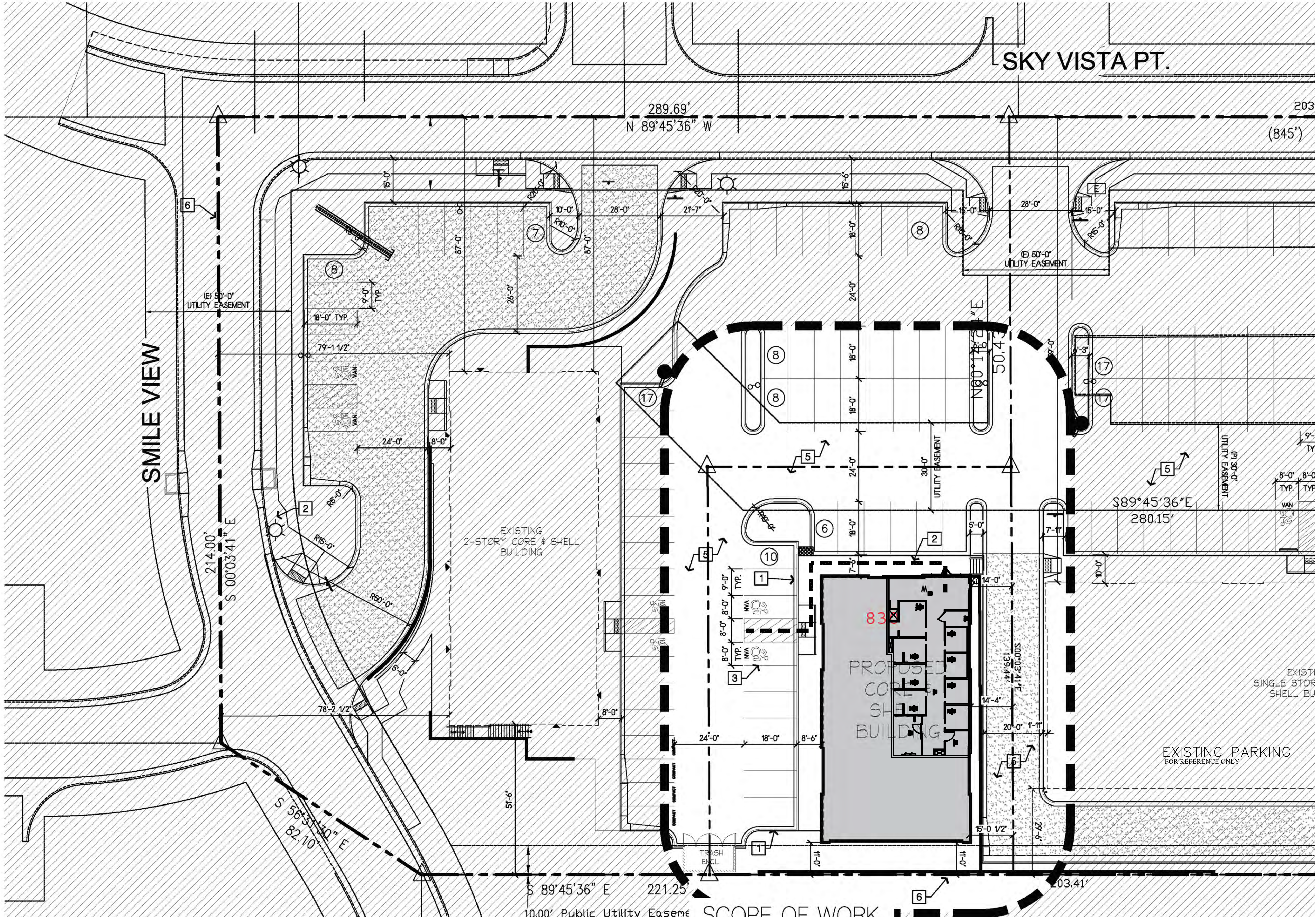
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DRAWN BY: Staff
DATE: JUNE 17, 2024
SCALE: PER PLAN
PROJECT No.: PSS 2417
SHEET TITLE

COVER SHEET

SHEET No.

1.00

- 1 PROPOSED CONC. CURB & GUTTER WHERE INDICATED RE. CIVIL
- 2 CONC. SIDEWALK WHERE INDICATED RE. CIVIL
- 3 ADA PARKING, ACCESS & SIGNAGE PER TOWN OF MONUMENT STANDARDS, RE. CIVIL
- 4 NOT USED
- 5 ASPHALT DRIVE RE. CIVIL
- 6 (E) PROPERTY LINE
- 7 PROPOSED RETAINING WALL RE. CIVIL



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

ISSUED / REVISIONS:



ENGINEERING AND DESIGN PLLC
 PO Box 213 (McIlroy)
 Phone (606)-364-2886
 Fax (606)-364-5100
 E-Mail: eric@emrengineers.com
 Annville, KY 40402
 Web Address: emrengineers.com
 FIRM 23179

PERSPIRE
 SAUNA STUDIO

830 SKY VISTA POINT
 SUITE 100
 COLORADO SPRINGS, COLORADO 80921

CHECKED BY: Staff
 DRAWN BY: Staff
 DATE: JUNE 17, 2024
 SCALE: PER PLAN
 PROJECT No.: PSS 2417
 SHEET TITLE
EXISTING ACCESSIBLE SITE PLAN
 SHEET No.
1.01

BIDDING QUESTIONS CONTACT 920-757-1486

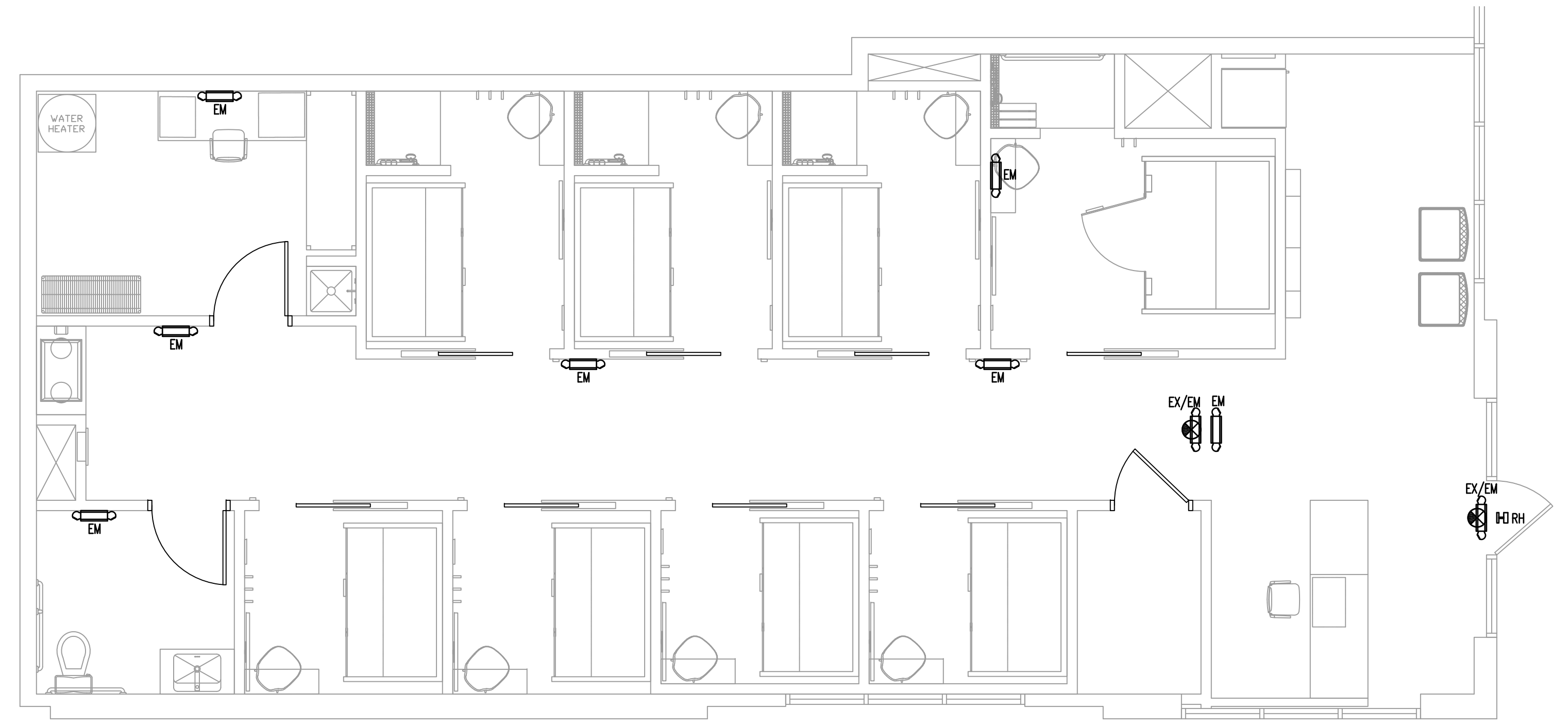
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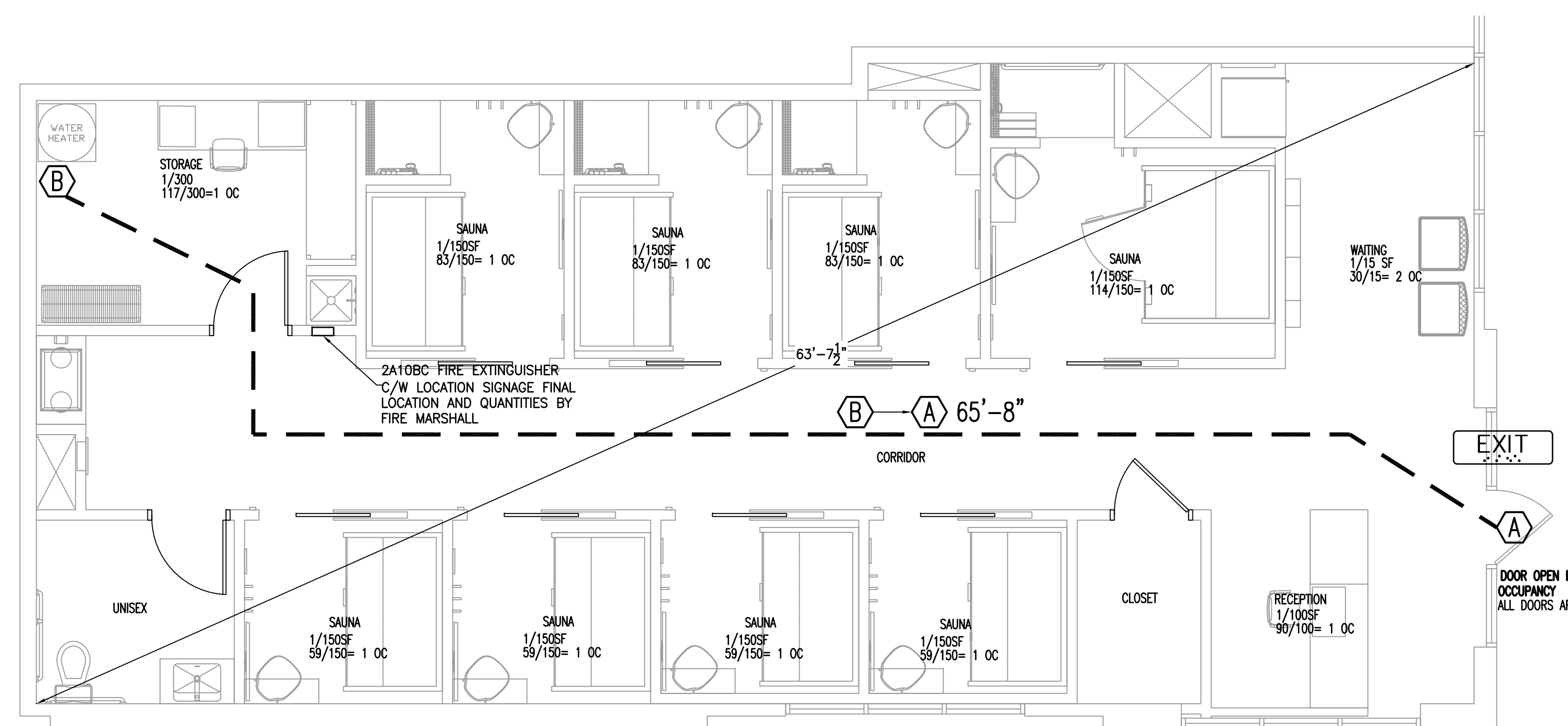
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EMERGENCY LIGHTING LEGEND					
	TYPE	DESCRIPTION	MANUFACTURER	MODEL NO.	LAMPS
	RH	EXTERIOR REMOTE EMERGENCY HEAD	BEST	RHLED1-WP	INTEGRAL
	EM	EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP WALL MOUNTED 12" BELOW CEILING. MAX 108" AFF	BEST	LED1	INTEGRAL
	EM	COMBINATION EXIT / EMERGENCY LIGHT FIXTURE WITH 90 MINUTE BATTERY BACKUP	BEST	CXTEU2GWRC	INTEGRAL
	EX	EXIT LIGHT FIXTURE WITH 90 MINUTE BATTERY BACKUP	BEST	EXTEU2GW-EM	INTEGRAL



EMERGENCY LIGHTING PLAN
 SCALE: 1/4"=1'-0"



LIFE SAFETY PLAN
 SCALE: 1/4"=1'-0"

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

EGRESS ANALYSIS 1005.1
 NON-SPRINKLED

STAIRWAYS (N/A) 11 X 0.3 = 3.3 REQUIRED
 EGRESS 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.

BIDDING QUESTIONS CONTACT 920-757-1486

PERSPIRE
 SAUNA STUDIO

830 SKY VISTA POINT
 SUITE 100
 COLORADO SPRINGS, COLORADO 80921

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

LIFE SAFETY PLAN

SHEET No.
1.02

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.

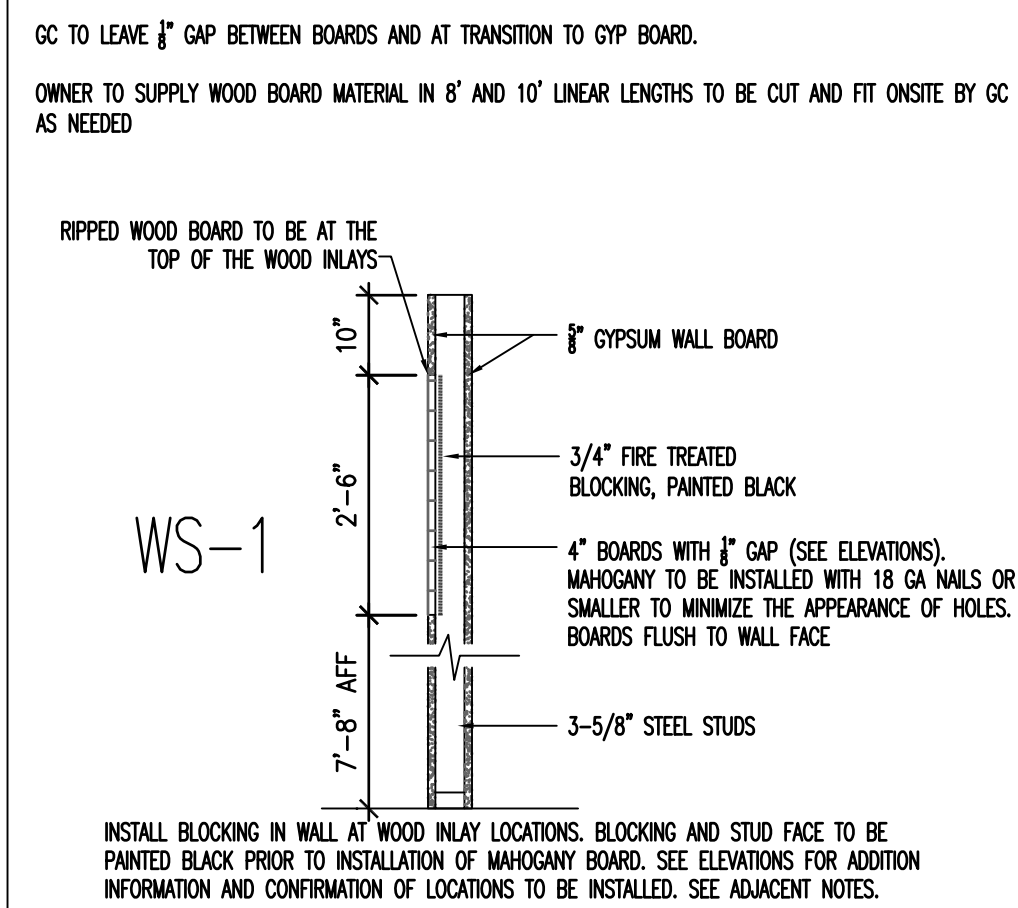
AT AREAS THAT ARE TIGHT TO CEILING OR AT ADJACENT WALLS, TRANSITION FROM SIDING TO WALL OR CEILING SHOULD BE FIT TO CREATE AN EVEN FINISHED APPEARANCE. TOP WOOD BOARD MAY BE RIPPED FOR PROPER FITMENT.

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.

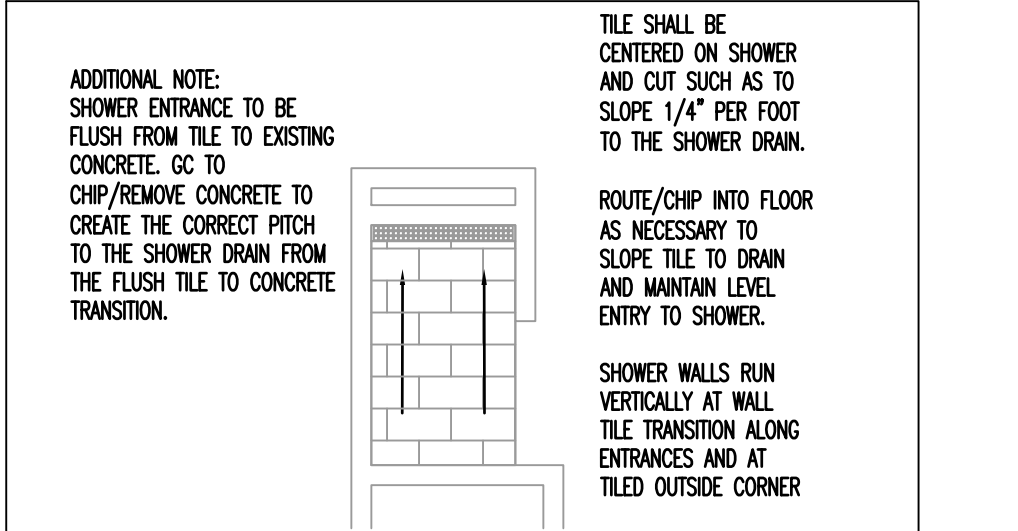
EDGE CUTS TO BE STRAIGHT AND STACKING FOR AN EVEN FINISHED APPEARANCE.

GC TO LEAVE 1/8" 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 ON SITE BY GC AS NEEDED



1 TYPICAL WOOD PANELED WALL

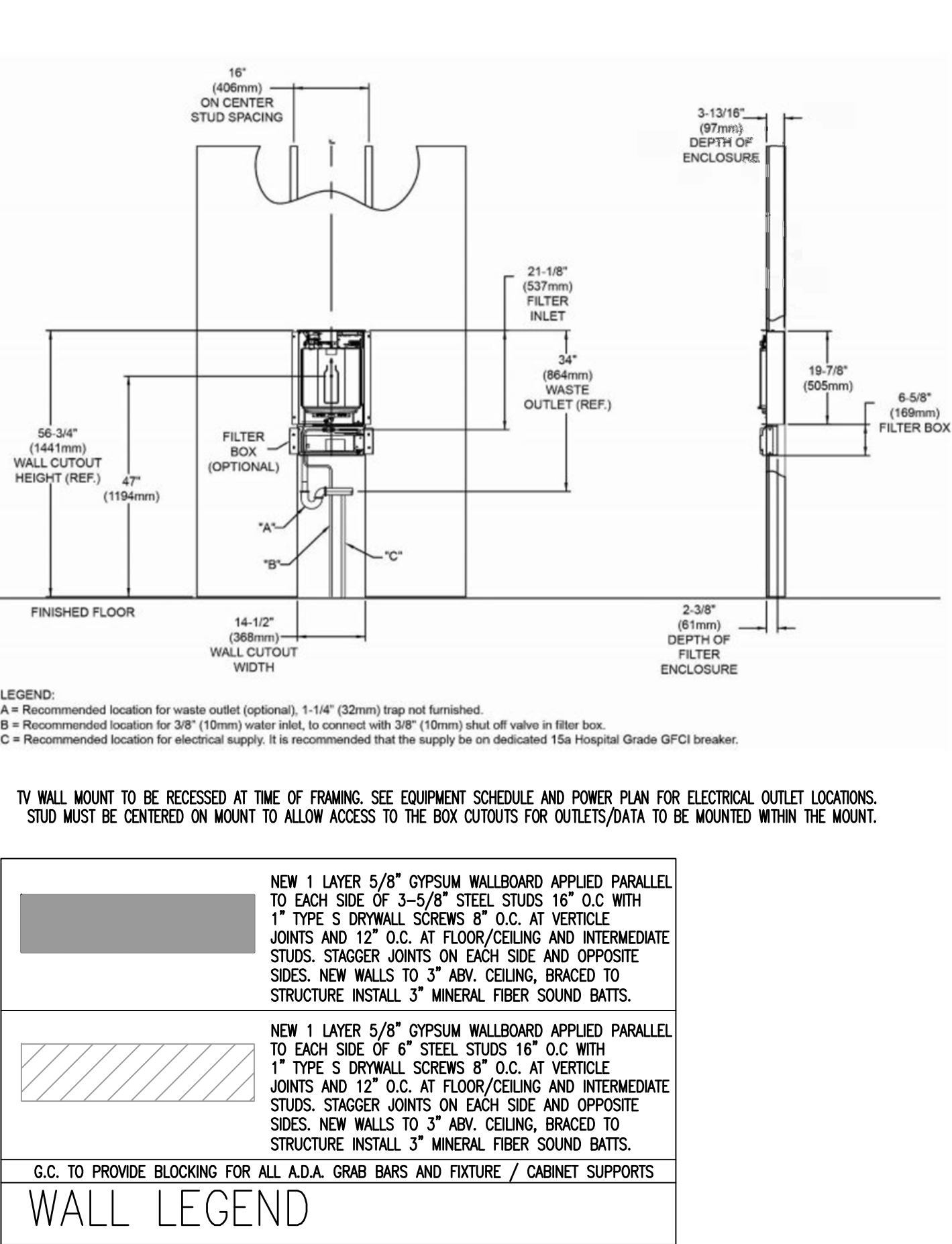
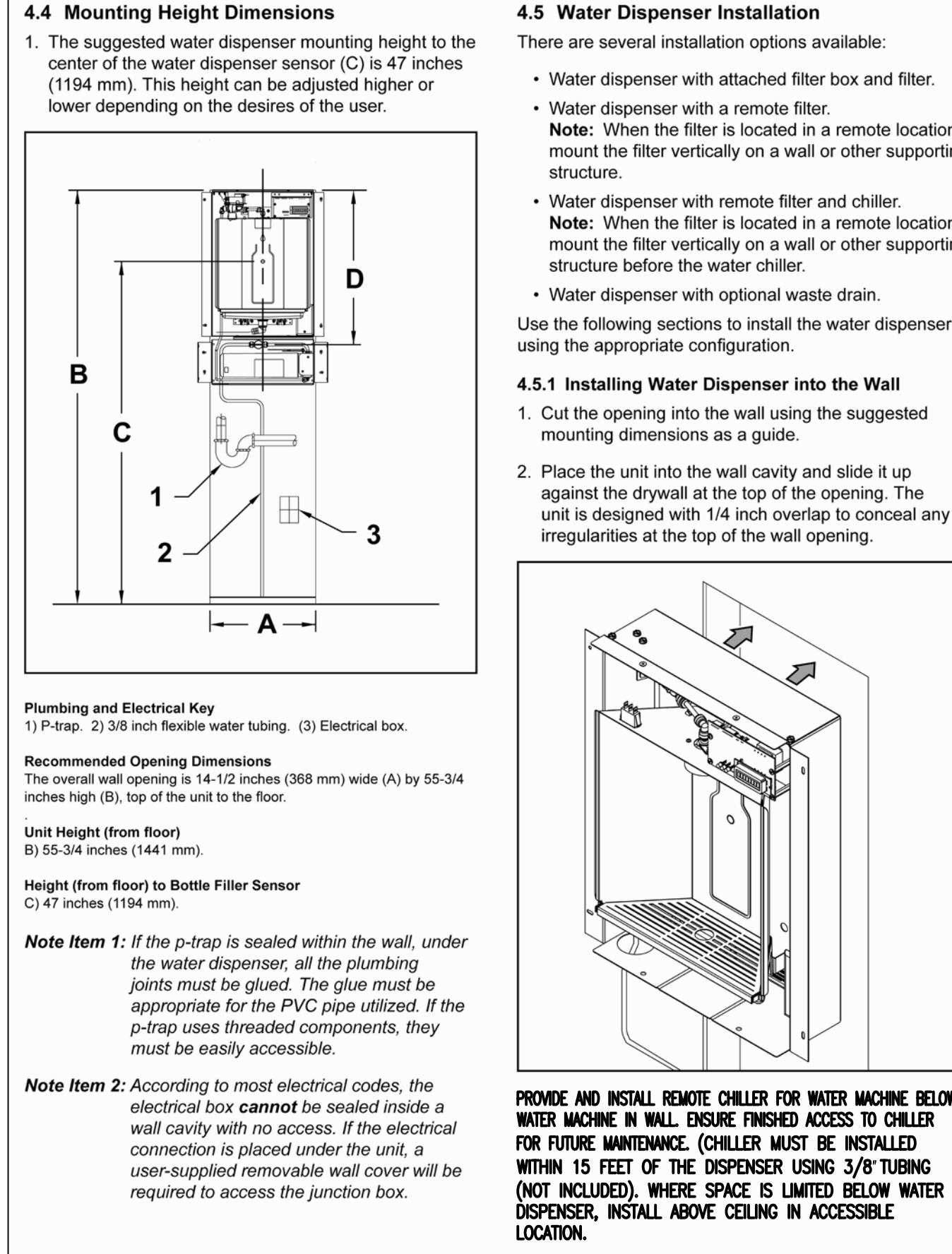


2 SHOWER TILE LAYOUT

DOOR SCHEDULE

- DOORS AND FRAMES TO BE FINISHED PER SHEET 1.09, FINISH SCHEDULE THE BOTTOM 10" OF ALL DOORS SHALL HAVE A SMOOTH, UNINTERPOLATED 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 SPACE.
 - 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.
 - NOT USED
 - 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
 - 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 RELEASE OUTSIDE OR OPERATING INSIDE LEVER.
 - UTILITY 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
 - 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 100F. ENSURE DOOR CAPABLE OF WITHSTANDING HIGH TEMPS
 - HAGER 9850 POCKET DOOR TRACK AND INSTALLATION KIT (WITH 9634 OPTION) OR APPROVED EQUAL
 - HEAVY DUTY COMMERCIAL POCKET DOOR FRAME (125 LBS PLIS).
 - TRICYCLE HANGERS AND JUMP-ROOF TRACK, STIFFENERS
 - SELF ADJUSTING FLOOR ANCHORS AND STOPS
 - ADJUST FRAMING TO ACCOMMODATE POCKET DOOR AND TO MEET ACCESSIBILITY REQUIREMENTS
 - POCKET DOOR CAN NOT FULLY RECESS INTO FRAME
 - DOOR FACE SHALL HAVE HANDLE THAT ALLOW THE DOOR TO BE OPERATED WITHOUT GRASPING
 - 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



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.

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. FT. MAX.

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 MAHECO INTERNATIONAL OR APPROVED EQ.
- 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.

SAW CONTROL JOINT NOTES

- MAKE SAW CUT AS SOON AS SLAB IS ABLE TO SUPPORT WEIGHT OF WORKERS AND SAWING EQUIPMENT WITHOUT DAMAGE TO THE FINISH SURFACE OF SLAB.
- ALL SAW CUT CONTROL JOINTS SHALL BE 'SOFT CUT' WITHIN 2 HOURS AFTER FINAL FINISHES.
- CLEAN JOINT PRIOR TO FILLING THE JOINT.

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 AHI 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 JOINT TAP.

JOINT SPACING

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.

SAW CONTROL JOINT NOTES

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

CLEAN JOINT PRIOR TO FILLING JOINT.

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 MAHECO 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.

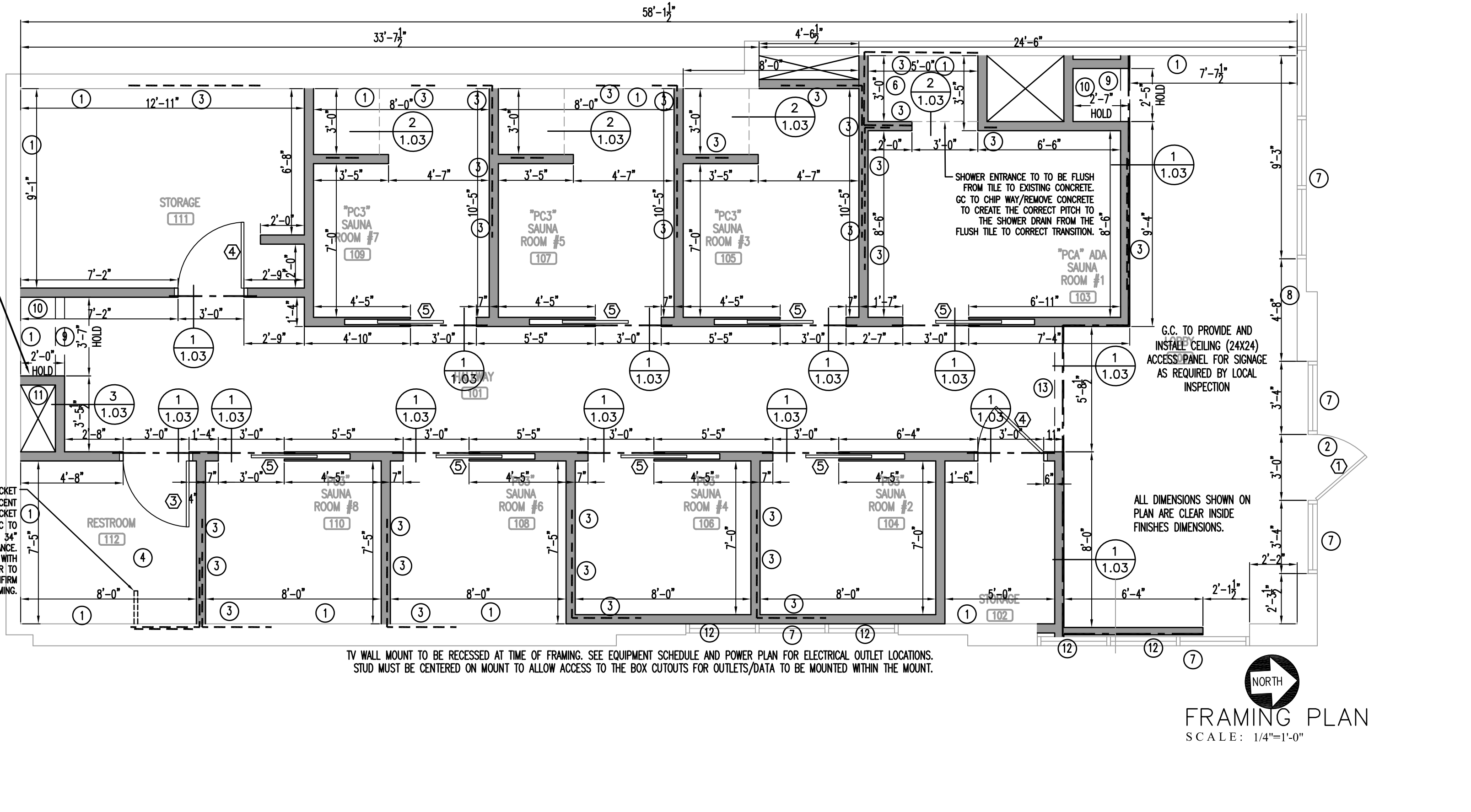
FOLLOW STRICTLY THE MANUFACTURERS RECOMMENDED PROCEDURES FOR APPLYING THE JOINT FILLER.

GENERAL NOTES

- G.C. SHALL FIELD VERIFY / INSPECT AND REPORT ON THE CONDITION OF EXISTING SHELL COMPONENTS. EXISTING 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.
- SEE ELEVATION SHEETS FOR ADDITIONAL INFORMATION REGARDING FRAMING AND BLOCKING REQUIREMENTS.
- G.C. SHALL BE RESPONSIBLE FOR PLUMBING TRENCHES (CORING AS REQUIRED) AND REPAIR OF FLOOR, DOWEL AND POUR BACK EQUAL TO OR BETTER THAN EXISTING SLAB. FINISH SMOOTH, READY TO RECEIVE NEW FLOORING.
- 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 PLANS

KEY NOTES:

- EXISTING DEMISING WALL TO BE FINISHED TO LEVEL 4 READY FOR PAINT. TENANT SIDE ONLY. MAINTAIN EXISTING FIRE RATING (IF ANY).
- 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 SHALL BE COMPLETE, OPERABLE AND CODE COMPLIANT, ACCESSIBLE, PROFESSIONAL INSTALLATION AS NEW
- SEE ELEVATIONS FOR ADDITIONAL BLOCKING REQUIREMENTS. G.C. SHALL COORDINATE WITH FGD TO ENSURE ALL BLOCKING IS IN PLACE AND READY FOR INSTALLATION OF CABINETS AND SHELVEING.
- WALL TO BE 5/8" MOISTURE/MOLD RESISTANT GYP. ALL WALLS IN TOILET ROOMS.
- NOT USED
- INSTALL FIRE TREATED 2X8 BLOCKING CAPABLE OF HOLDING A MINIMUM OF 300 LBS FOR GRAB BAR INSTALLATION.
- 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 COMPONENTS.
- 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.
- HEADER ABOVE OPENING AT 7'-3" AFF.
- SEE CEILING PLAN ROP FOR DRYWALL CEILING HEIGHT FRAMING.
- 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.
- HEADER ABOVE OPENING AT 7'-0" AFF.



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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Web Address: emrengineers.com
FIRM 23179



PERSPIRE SAUNA STUDIO

830 SKY VISTA POINT
SUITE 100
COLORADO SPRINGS, COLORADO 80921

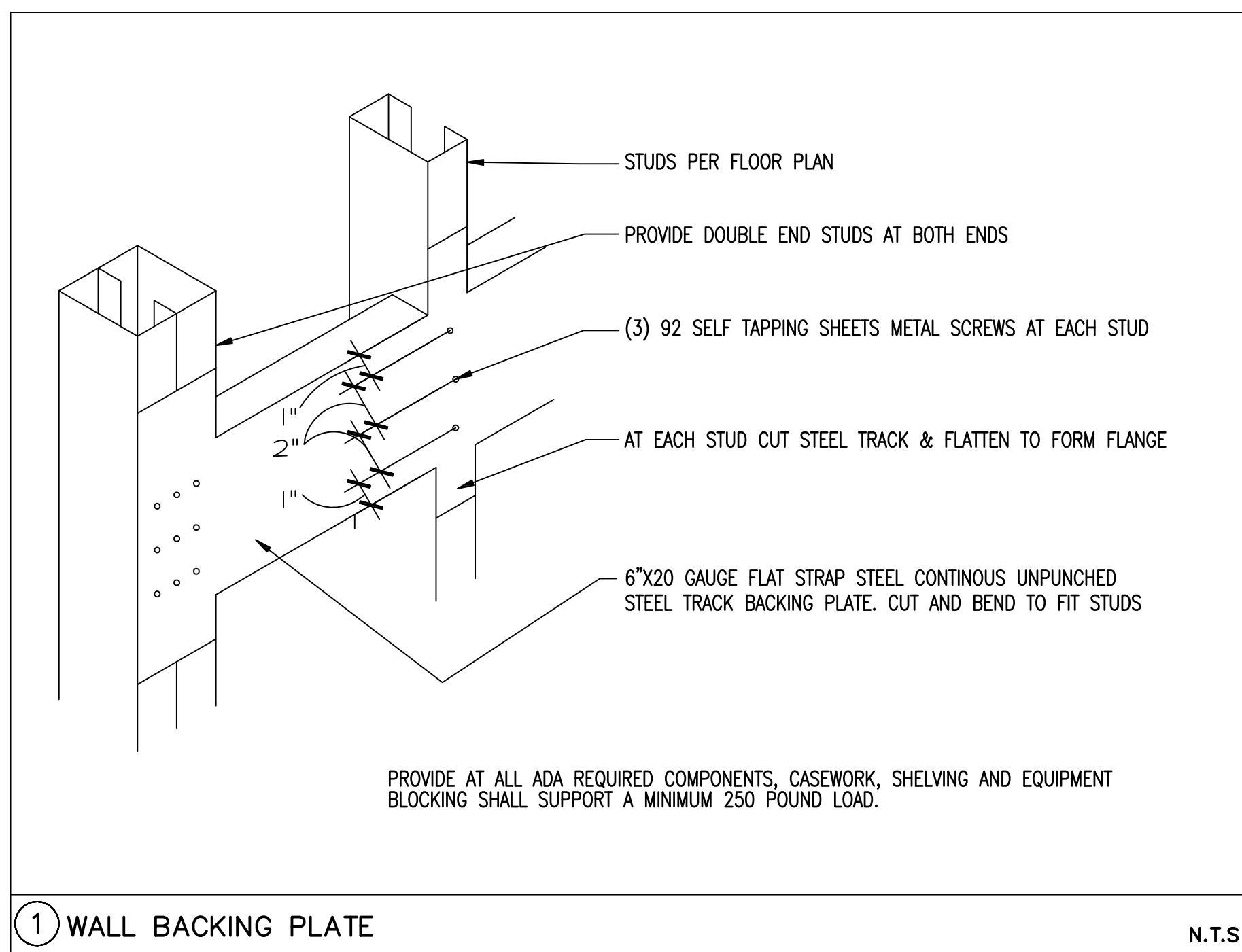
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DRAWN BY: Staff
DATE: JUNE 17, 2024
SCALE: PER PLAN
PROJECT No.: PSS 2417
SHEET TITLE

FRAMING PLAN & DETAILS

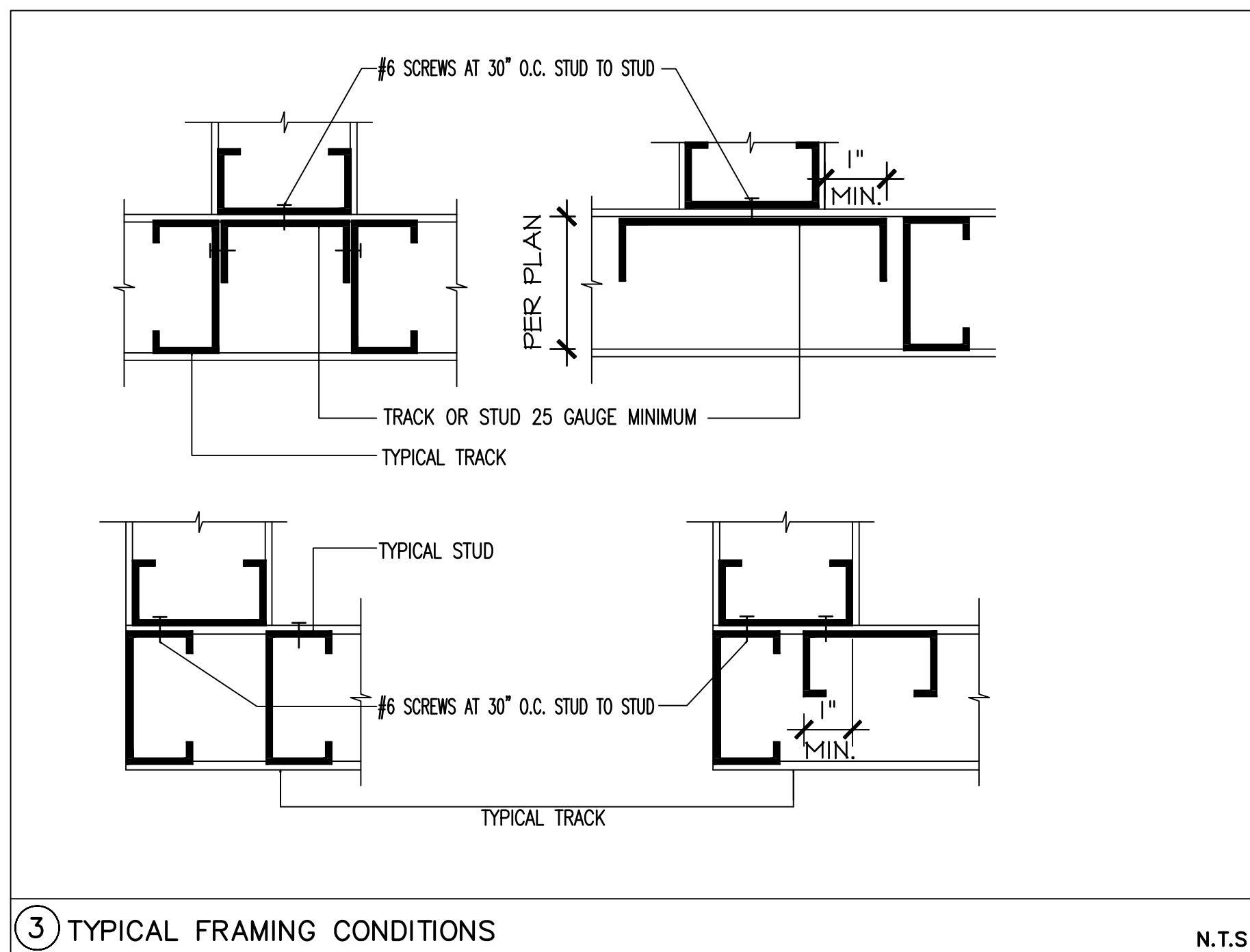
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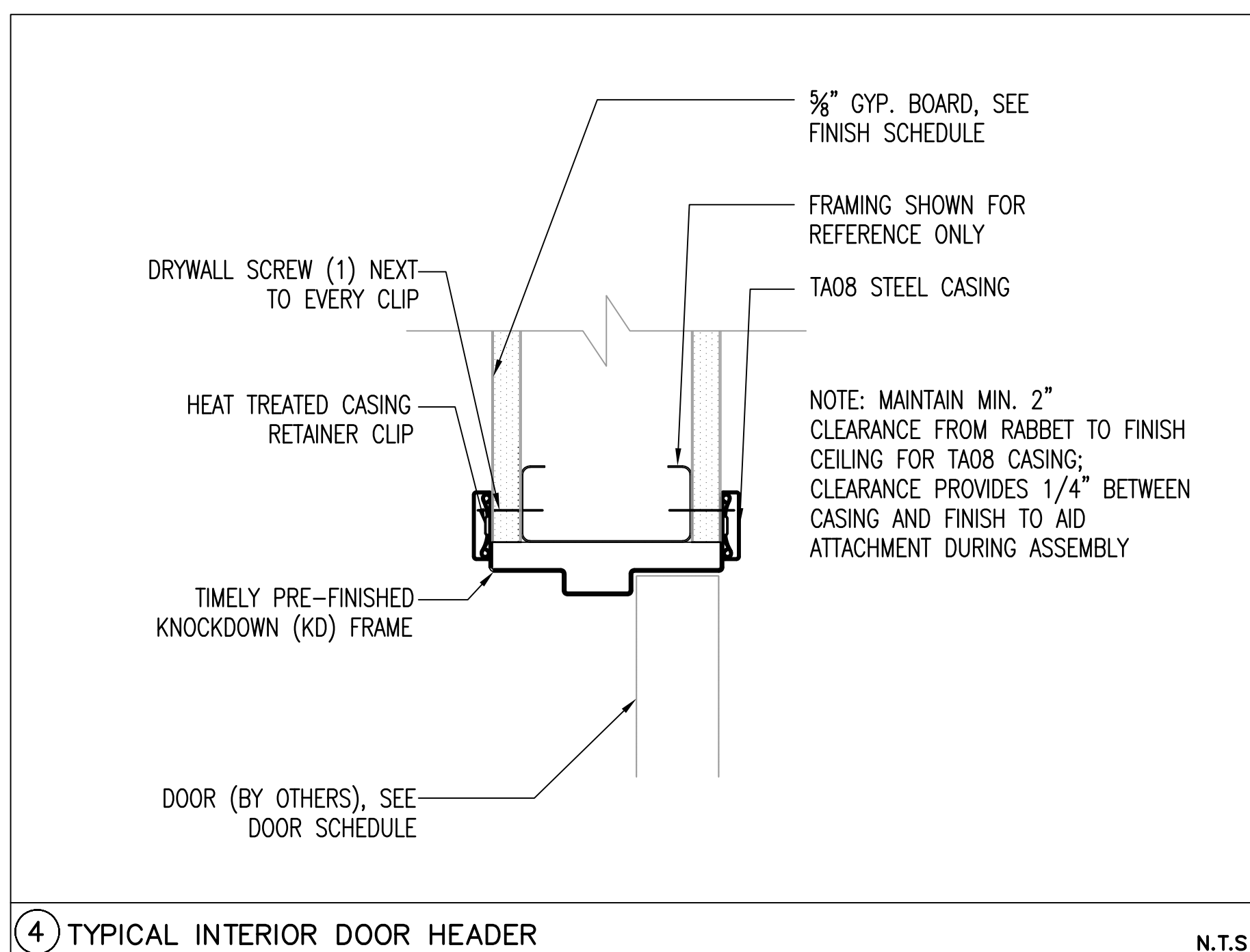
BIDDING QUESTIONS CONTACT 920-757-1486



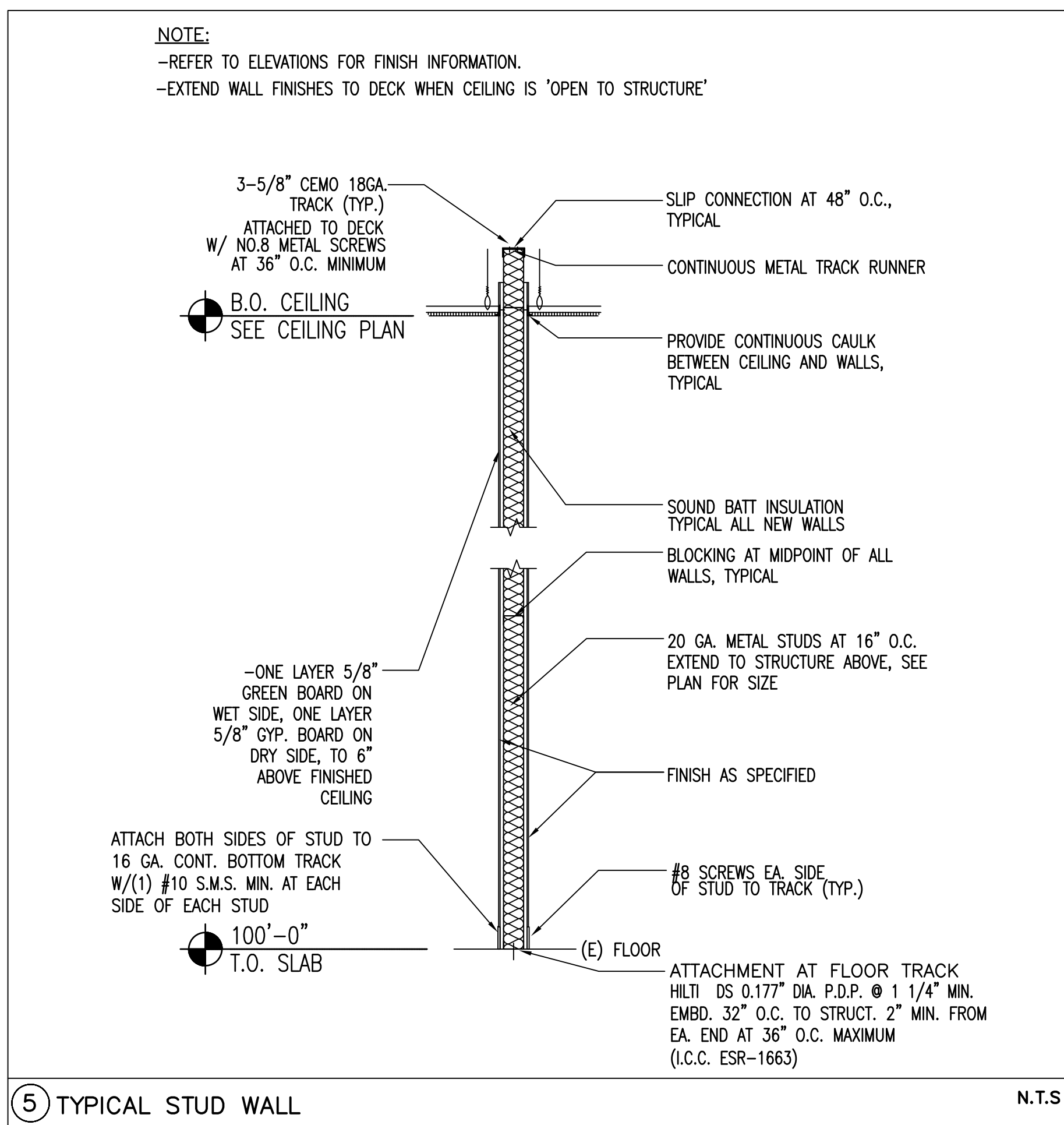
1 WALL BACKING PLATE N.T.S



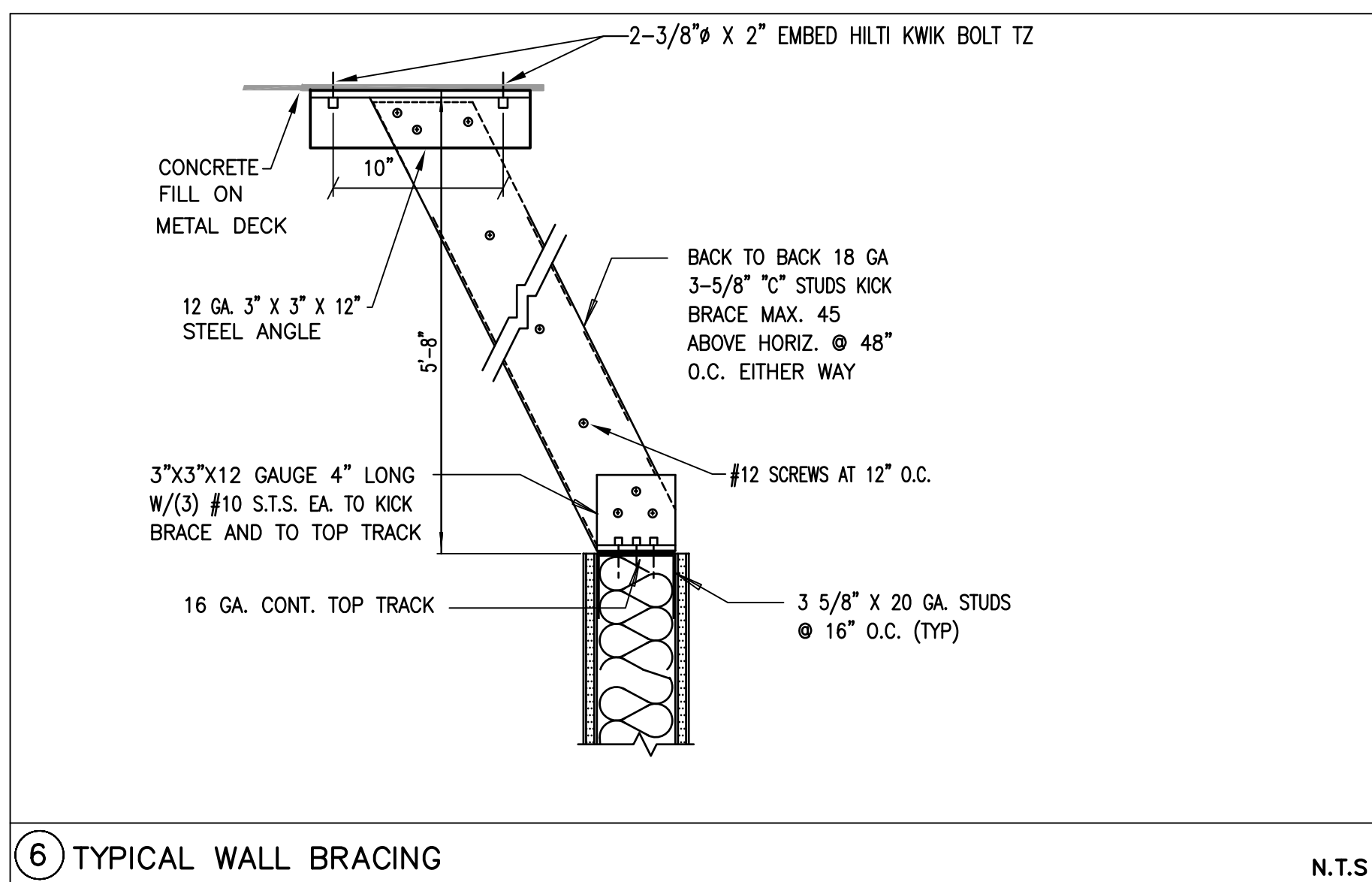
3 TYPICAL FRAMING CONDITIONS N.T.S



4 TYPICAL INTERIOR DOOR HEADER N.T.S

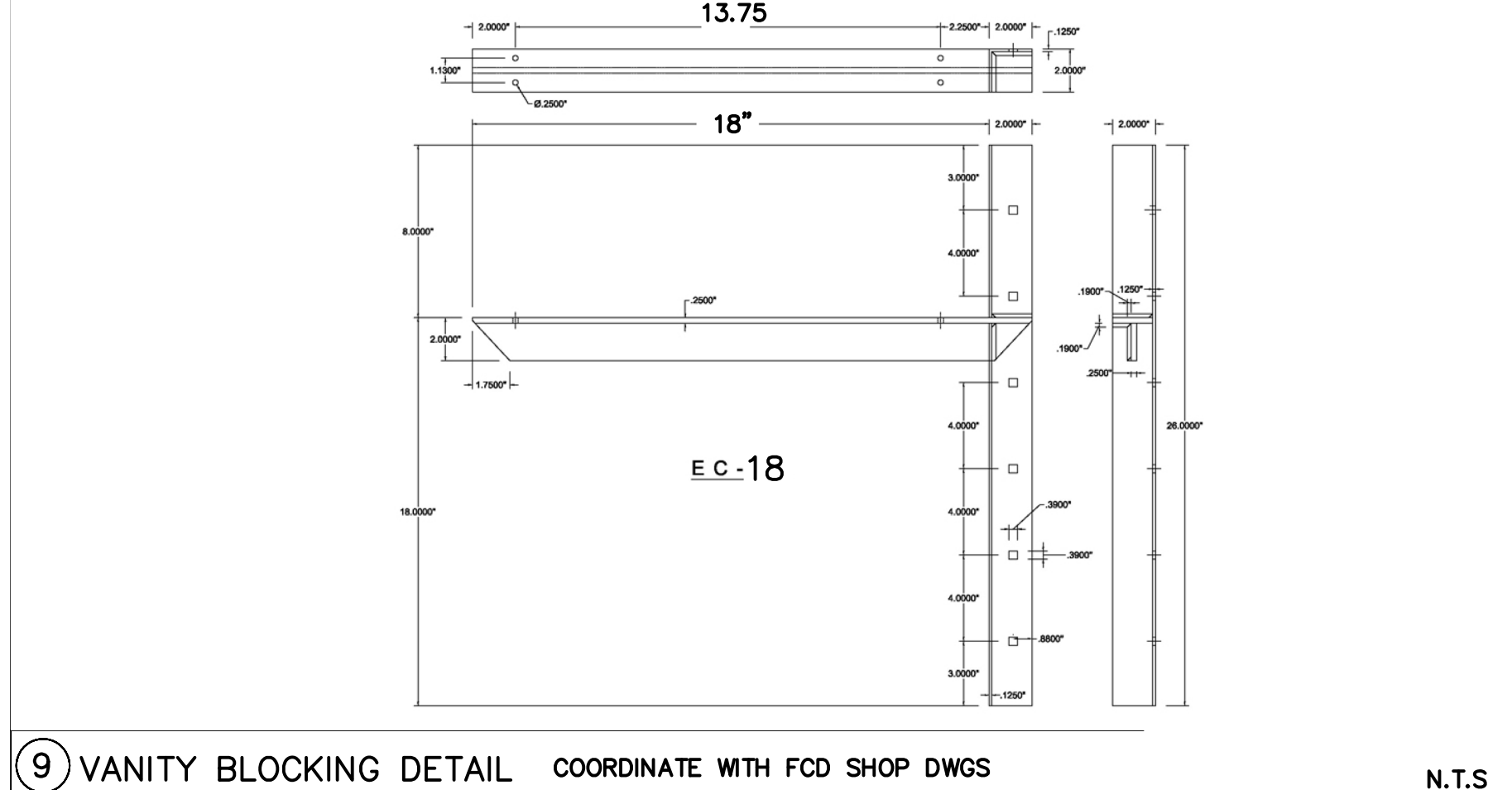


5 TYPICAL STUD WALL N.T.S

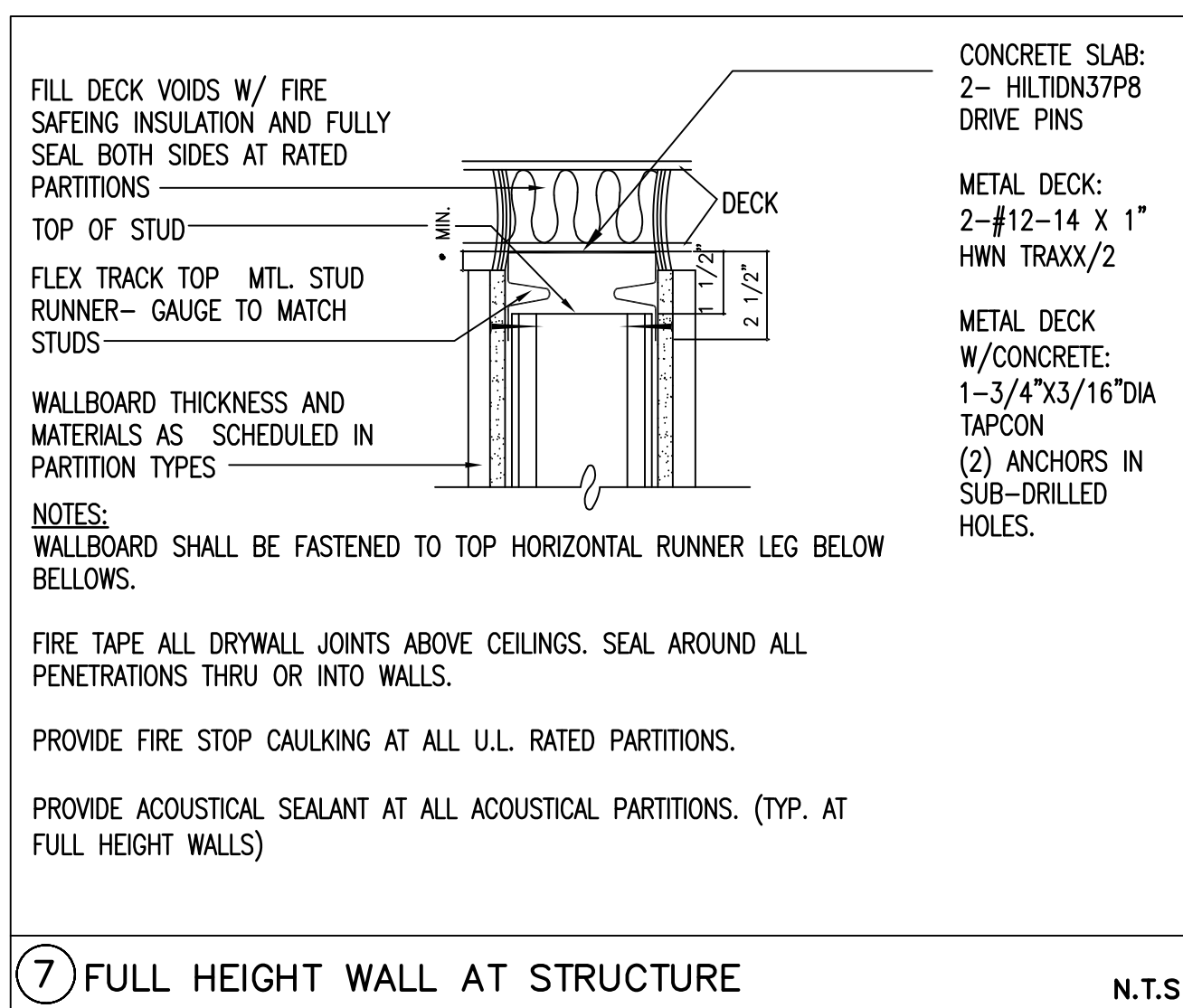


6 TYPICAL WALL BRACING N.T.S

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



9 VANITY BLOCKING DETAIL COORDINATE WITH FCD SHOP DWGS N.T.S



7 FULL HEIGHT WALL AT STRUCTURE N.T.S

SPAN TABLE

NON BEARING STUD SIZES AT 16\"/>

STUD SIZE	MAXIMUM FLANGE BRACE SPACING	ALLOWABLE HEIGHT
362WCS20	2'-6"	11'-0"
4WCS20	2'-6"	12'-0"
6WCS20	3'-0"	17'-0"

NON BEARING STUD SIZES AT 16\"/>

STUD SIZE	MAXIMUM FLANGE BRACE SPACING	ALLOWABLE HEIGHT
362WCS20	2'-6"	16'-0"
4WCS20	2'-6"	18'-0"
6WCS20	3'-0"	20'-0"

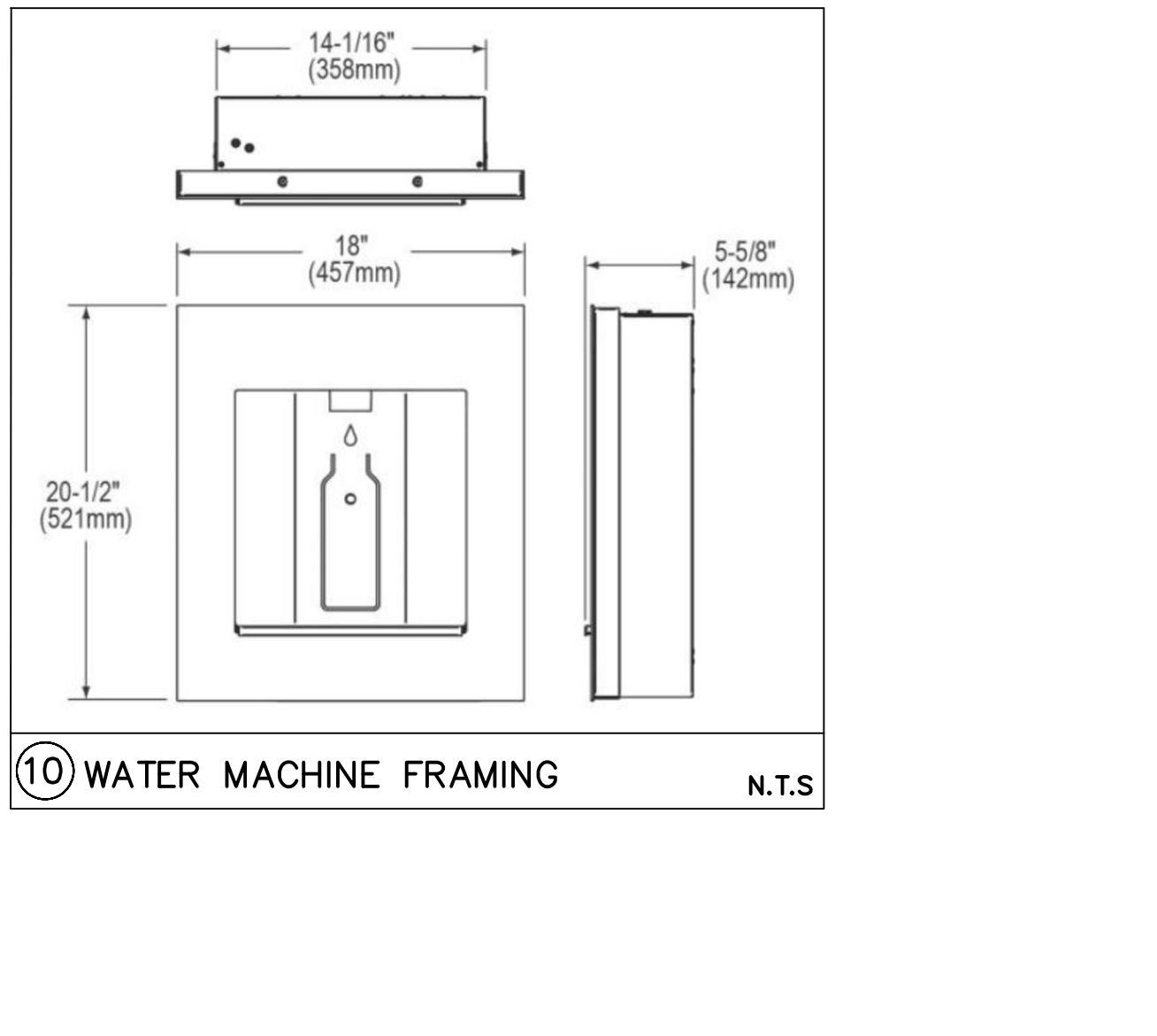
SINGLE SPAN CEILING JOISTS AT 16\"/>

JOIST SIZE	CONTINUOUS LATERAL SUPPORT OF COMPRESSION FLANGE
6WCS20	12'-7"
8WCS18	17'-6"

ALLOWABLE BRACED LENGTHS

MAXIMUM STUD HEIGHT	STUD TYPE	SPACING
9'-0"	3-5/8\"/>	
10'-0"	3-5/8\"/>	
12'-0"	3-5/8\"/>	
16'-0"	3-5/8\"/>	
18'-0"	3-5/8\"/>	
20'-0"	6\"/>	
24'-0"	6\"/>	
30'-0"	6\"/>	
30'-0"	6\"/>	
40'-0"	8\"/>	
40'-0"	8\"/>	

8 FRAMING TABLES N.T.S



10 WATER MACHINE FRAMING N.T.S

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

ISSUED / REVISIONS:

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 Annville, KY 40402
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 FIRM 23179



BIDDING QUESTIONS CONTACT 920-757-1486

PERSPIRE SAUNA STUDIO

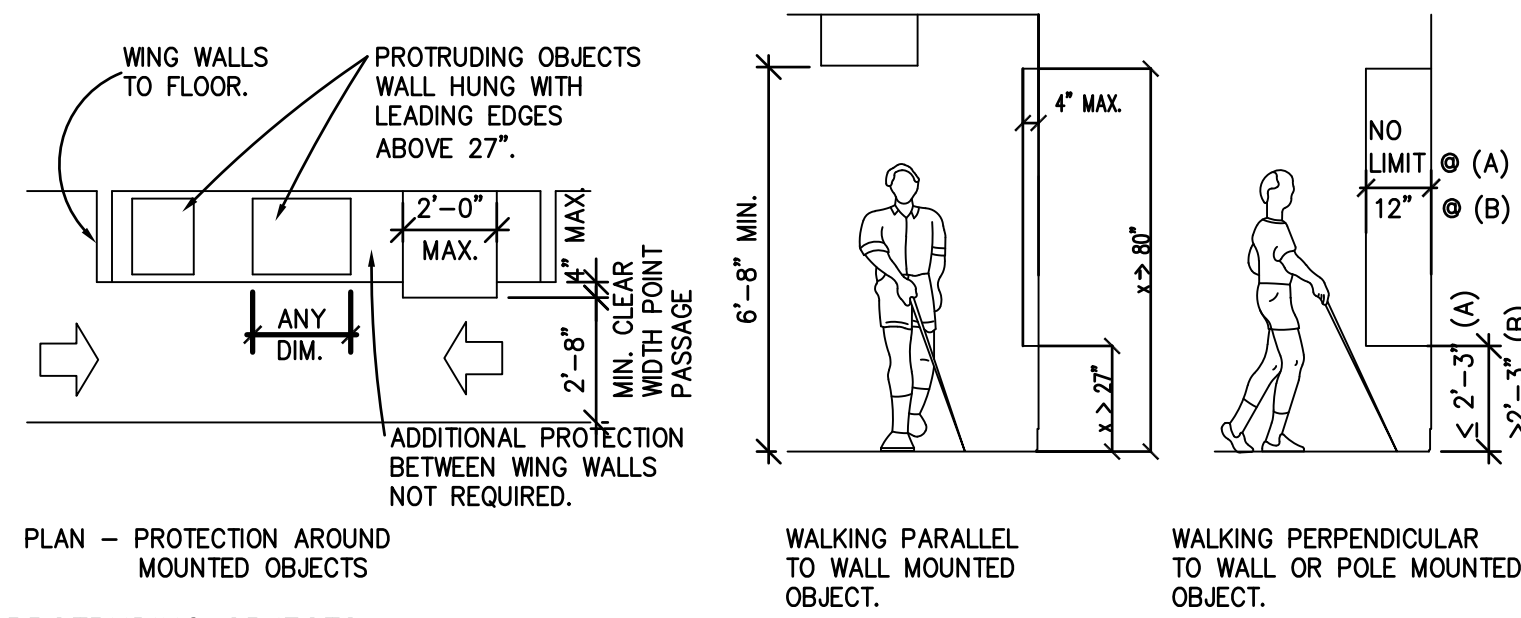
830 SKY VISTA POINT
 SUITE 100
 COLORADO SPRINGS, COLORADO 80921

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

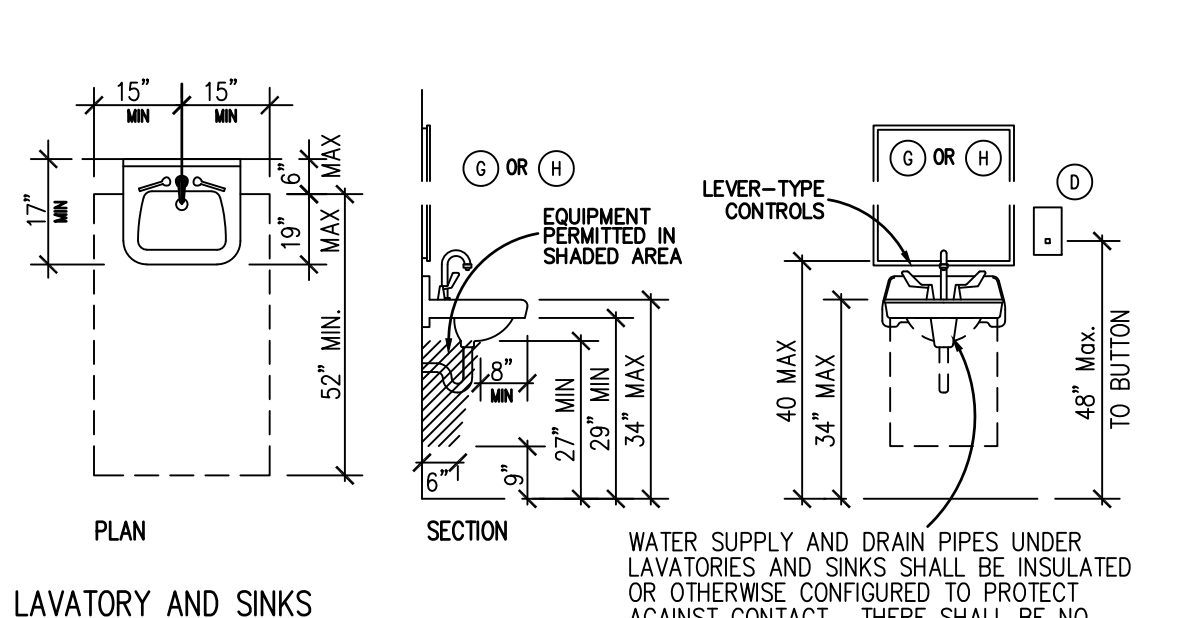
FRAMING DETAILS

SHEET No.

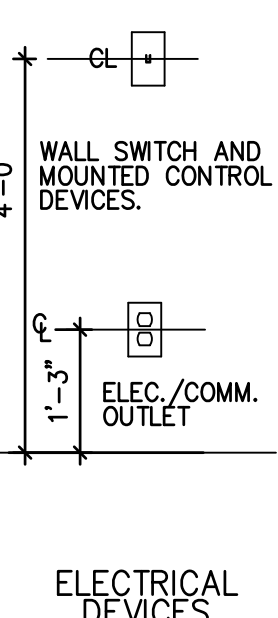
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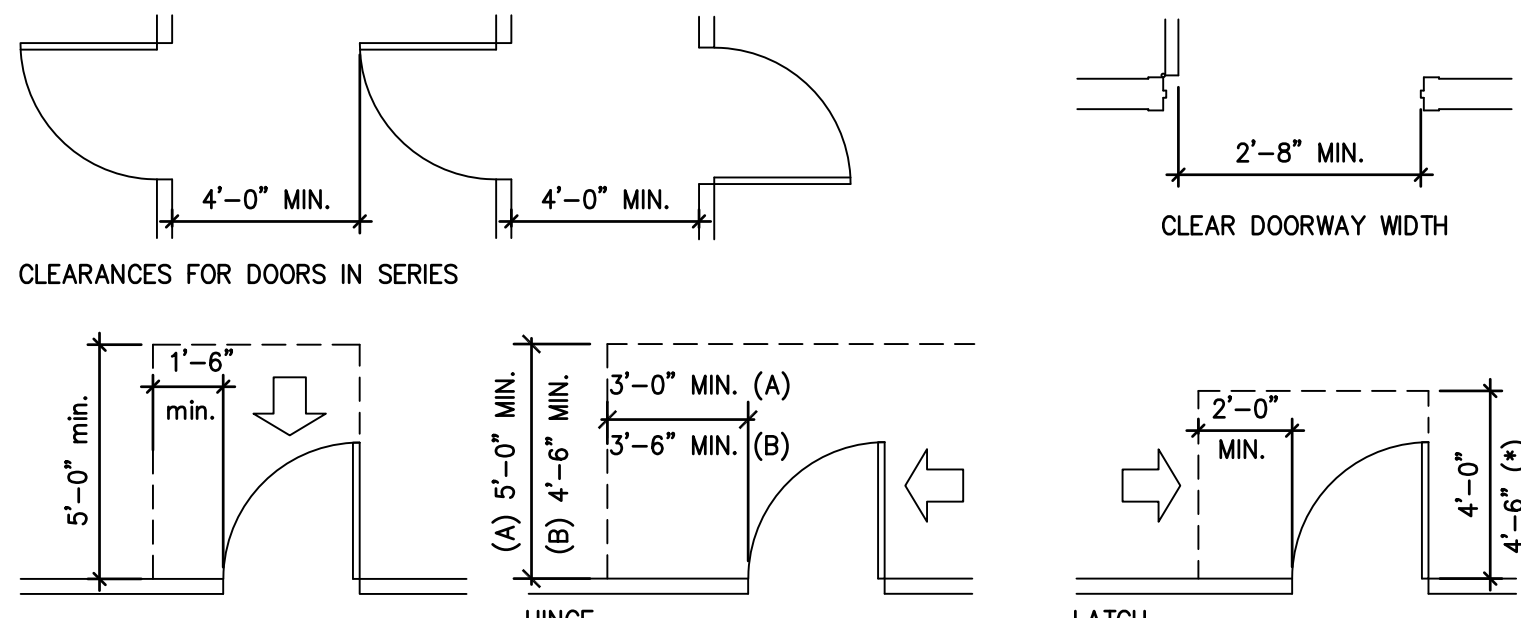
PROTRUDING OBJECTS
SEE SECTION 307 OF THE TAS FOR ADDITIONAL REQUIREMENTS ON PROTRUDING OBJECTS



LAVATORY AND SINKS
WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES OR SINKS. (A.D.A. 606.5)

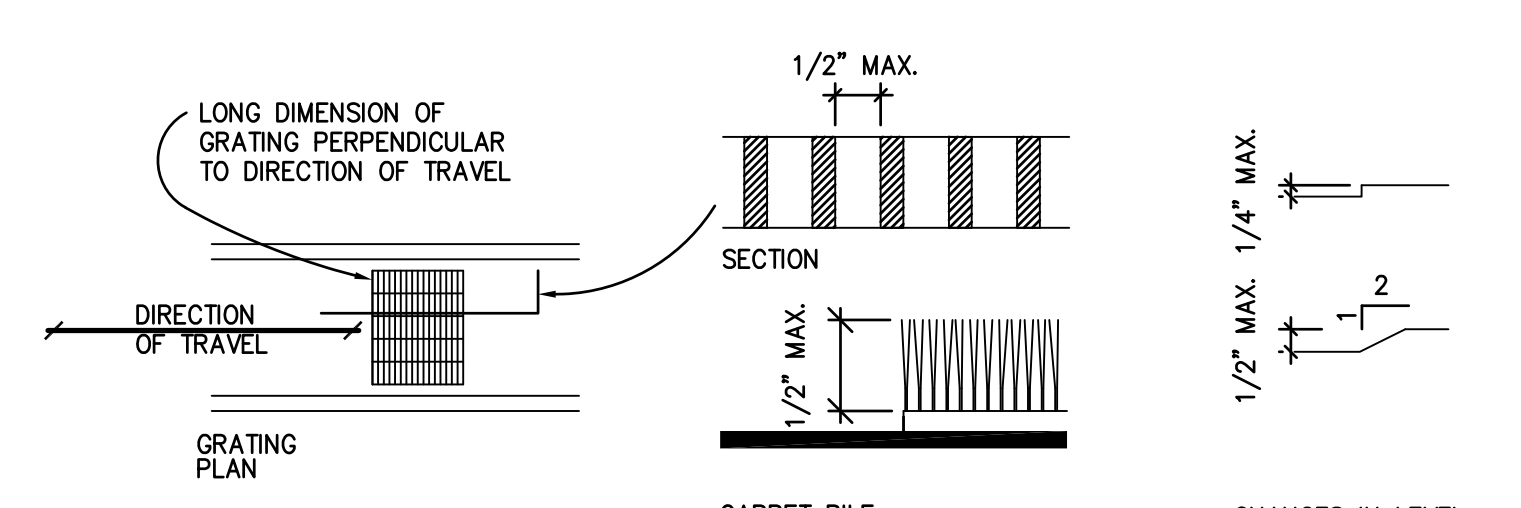


ELECTRICAL DEVICES

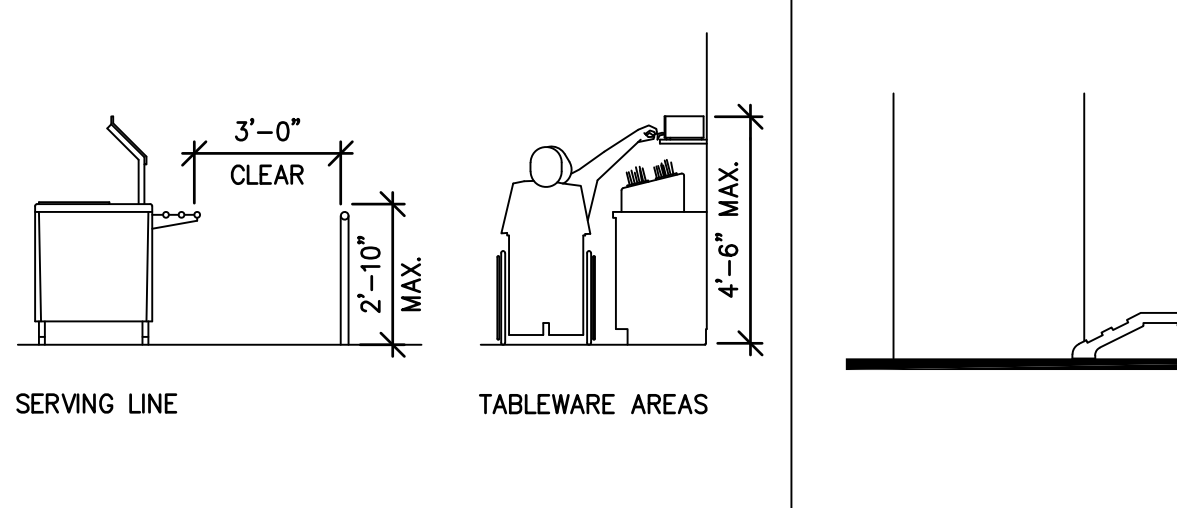


DOORS
SEE SECTION 404.2.4 OF THE TAS FOR ADDITIONAL REQUIREMENTS ON DOORS.

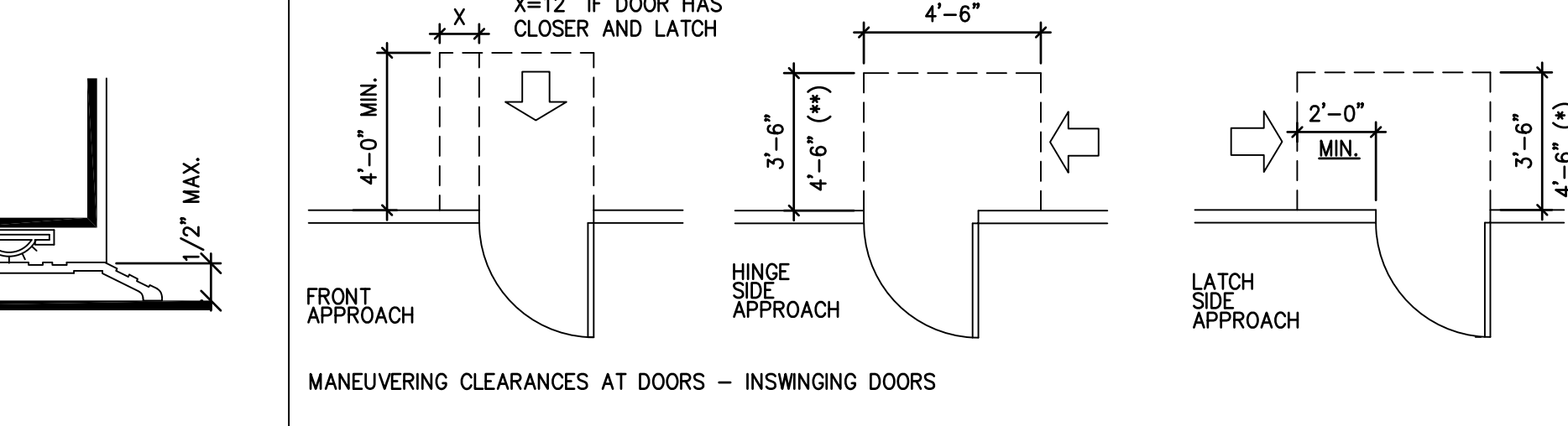
GENERAL ACCESSIBILITY NOTES:
INFORMATION SHOWN ON THIS SHEET IS THE MINIMUM REQUIRED FOR ADA COMPLIANCE.
NOT ALL CONDITIONS SHOWN ON THIS SHEET MAY BE REQUIRED BY THIS PROJECT. COMPARE THE REQUIREMENTS OF THE ARCHITECTURAL DRAWINGS WITH THIS SHEET FOR RELEVANCE OF INFORMATION.
DIMENSIONS INDICATED ARE THE MINIMUM CLEAR DIMENSIONS REQUIRED BY THE TAS ACCESSIBILITY GUIDELINES. THE CONTRACTOR IS RESPONSIBLE FOR LAYOUT OF BUILDING ELEMENTS TO ASSURE THAT DIMENSIONS SHOWN ARE PROVIDED.
NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL DRAWINGS AND THE INFORMATION GIVEN ON THIS SHEET.
DO NOT SCALE THESE DRAWINGS.
REFER, ALSO, TO FEDERAL PUBLICATION "AMERICANS WITH DISABILITIES ACT, TITLE III; PUBLIC ACCOMMODATIONS" (LATEST EDITION) AND PROJECT LOCAL GOVERNING REGULATIONS FOR COMPLETE PROJECT ACCESSIBILITY REQUIREMENTS.
SPECIAL ACCESSIBILITY REQUIREMENTS:
DOOR HARDWARE:
DOORS SHALL HAVE LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, OR U-SHAPED HANDLES.
HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE.
SLIDING DOORS, IF ANY, WHEN FULLY OPEN SHALL HAVE OPERATING HARDWARE EXPOSED AND USABLE FROM BOTH SIDES.
MOUNTING HEIGHT: HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISHED FLOOR.
CLOSER OPERATION: THE SWEEP PERIOD OF A CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:
(A) EXTERIOR HINGED DOORS: NO REQUIREMENT.
(B) INTERIOR HINGED DOORS: 5 LBF
(C) SLIDING OR FOLDING DOORS: 5 LBF
EXCEPT THAT FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.
THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.
AUTOMATIC DOORS AND AUTOMATIC GATES SHALL COMPLY WITH 404.3. FULL POWERED, AUTOMATIC DOORS SHALL COMPLY WITH ANSI / BHMA A156.10 (INCORPORATED BY REFERENCE, SEE REFERENCED STANDARDS IN CHAPTER 1)
A156.19 (1997 OR 2002 EDITION (INCORPORATED BY REFERENCE, SEE REFERENCED STANDARDS IN CHAPTER 1)
SUCH DOORS SHALL NOT OPEN TO BACK CHECK FASTER THAN 3 SECONDS
IF USER-OPERATED CONTROLS ARE PROVIDED THEY SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS, SECTION 4.27.



GROUND AND FLOOR SURFACES
SEE SECTION 302 OF THE TAS FOR ADDITIONAL REQUIREMENTS ON GROUND AND FLOOR SURFACES.

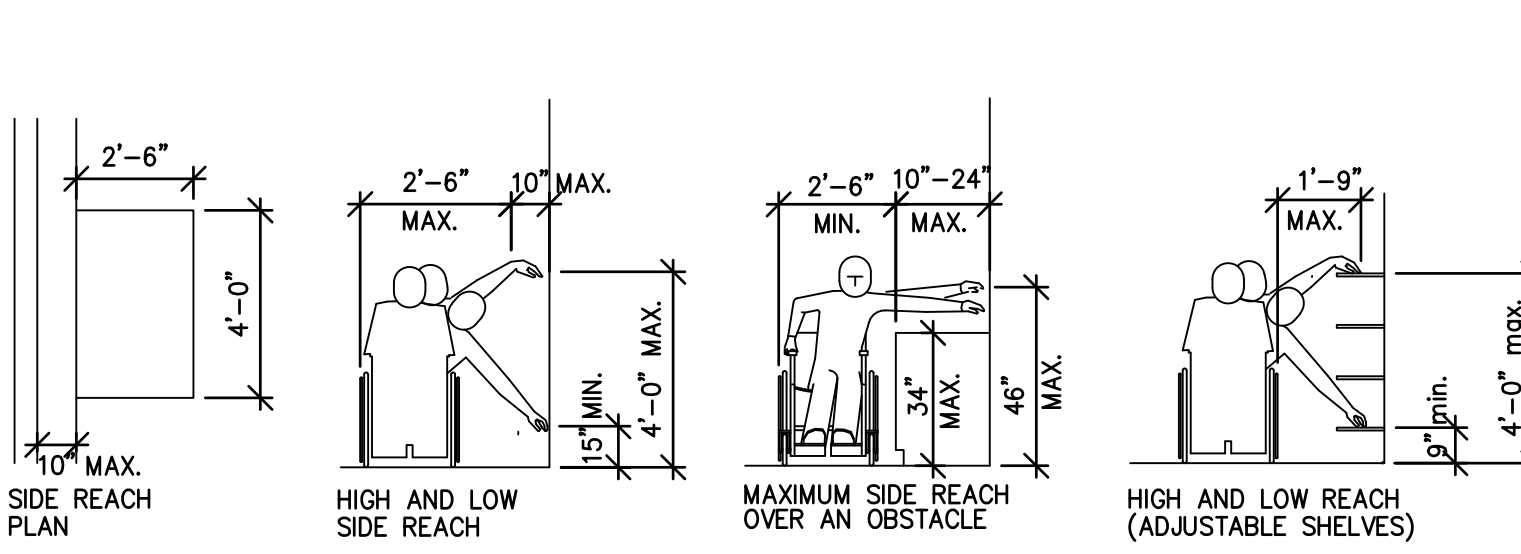


FOOD SERVICES LINES
SEE SECTIONS 227.4 AND 904.5 OF THE TAS FOR ADDITIONAL REQUIREMENTS ON FOOD SERVICE.

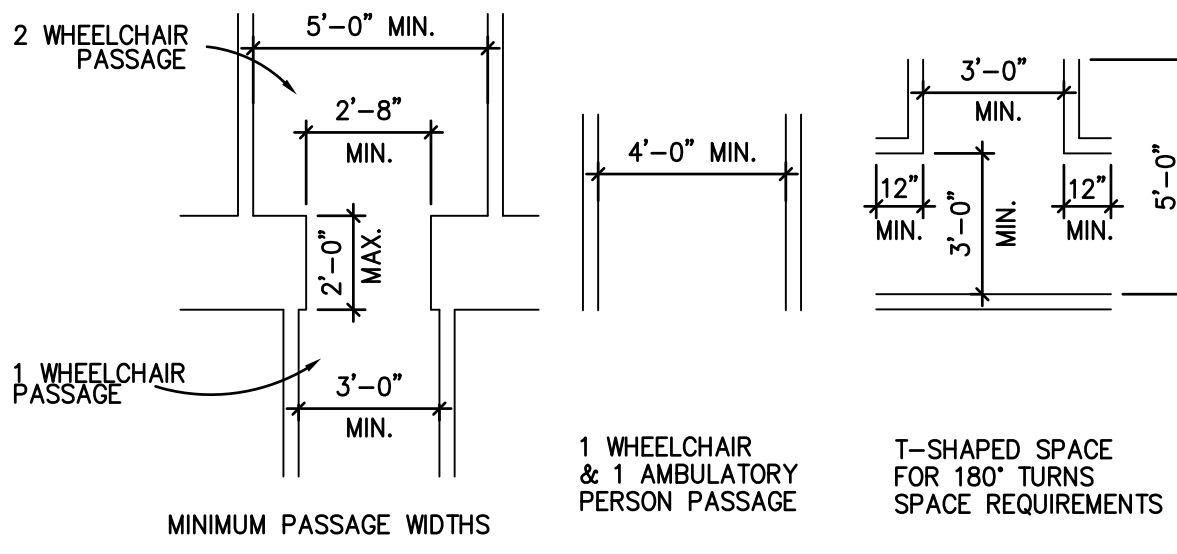


DOORS
SEE SECTION 404.2.4 OF THE TAS FOR ADDITIONAL REQUIREMENTS ON DOORS.

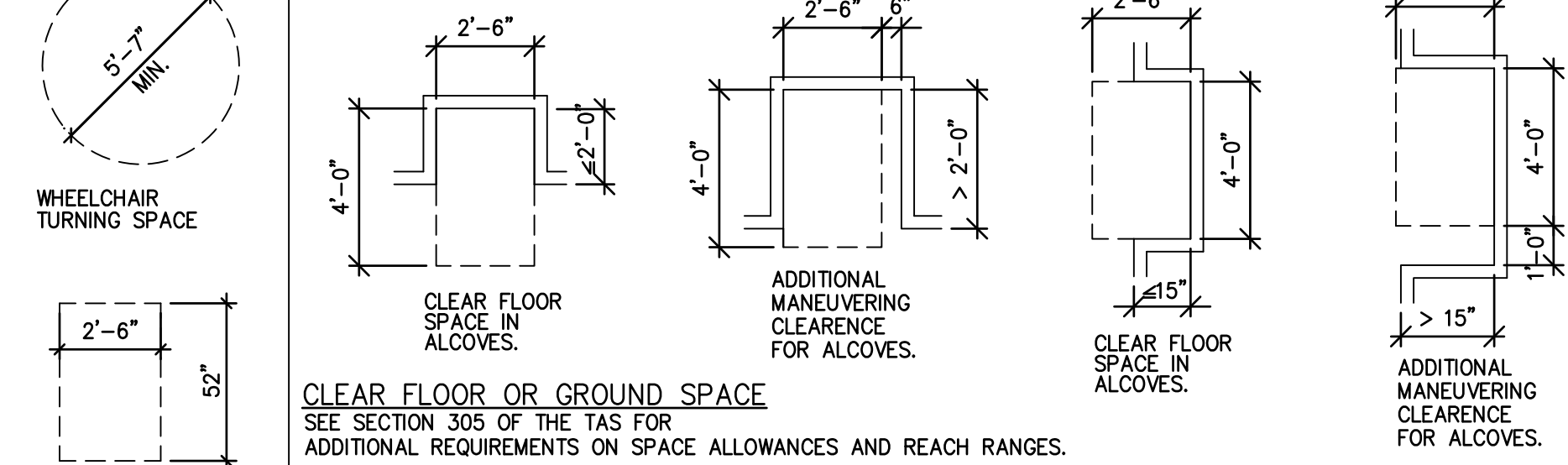
DOORS
NOTE: ALL DOORS IN ALCOVES MUST COMPLY WITH THE CLEARANCES NOTED FOR FRONT APPROACHES.
(* WITH CLOSER
(**) WITH LATCH & CLOSER
EXCEPTION: THESE REQUIREMENTS DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.
AUTOMATIC DOORS AND AUTOMATIC GATES SHALL COMPLY WITH 404.3. FULL POWERED, AUTOMATIC DOORS SHALL COMPLY WITH ANSI / BHMA A156.10 (INCORPORATED BY REFERENCE, SEE REFERENCED STANDARDS IN CHAPTER 1)
A156.19 (1997 OR 2002 EDITION (INCORPORATED BY REFERENCE, SEE REFERENCED STANDARDS IN CHAPTER 1)
SUCH DOORS SHALL NOT OPEN TO BACK CHECK FASTER THAN 3 SECONDS
IF USER-OPERATED CONTROLS ARE PROVIDED THEY SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS, SECTION 4.27.



REACH RANGES
SEE SECTION 308 OF THE TAS

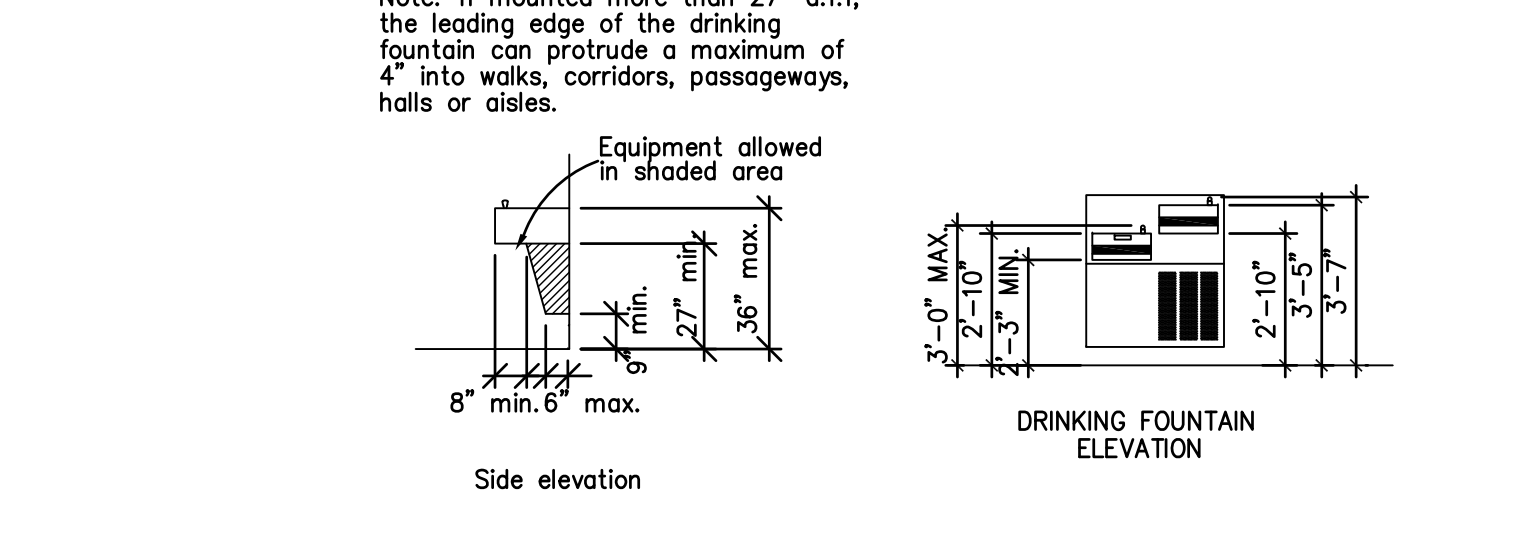


ACCESSIBLE ROUTE
SEE SECTION 308 OF THE TAS FOR ADDITIONAL REQUIREMENTS ON ACCESSIBLE ROUTES.

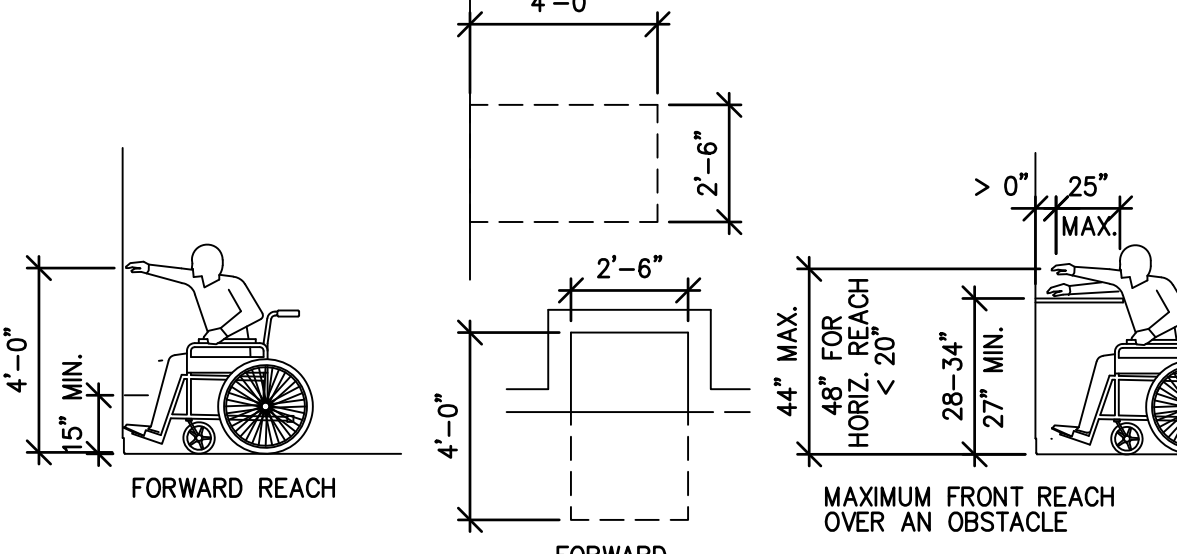


CLEAR FLOOR OR GROUND SPACE
SEE SECTION 305 OF THE TAS FOR ADDITIONAL REQUIREMENTS ON SPACE ALLOWANCES AND REACH RANGES.

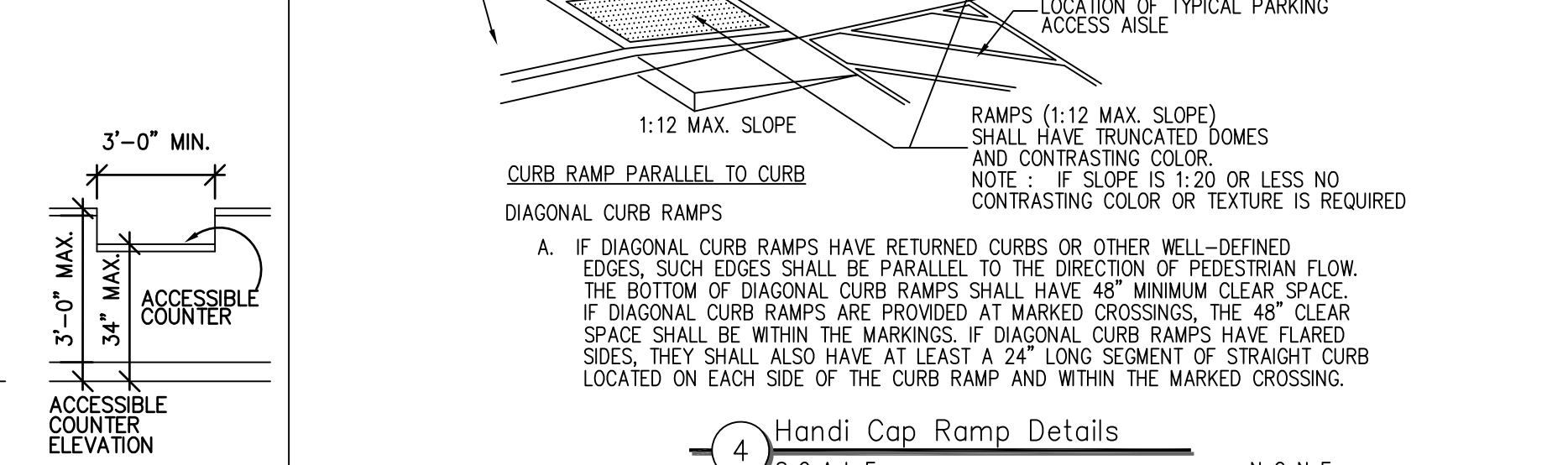
CONTROLS AND OPERATING MECHANISMS:
HEIGHT: SWITCHES, THERMOSTATS, CONTROLS, DISPENSERS, RECEPTACLES, AND THE HIGHEST OPERABLE PART OF OTHER OPERABLE EQUIPMENT SHALL BE PLACED NO HIGHER THAN 48" ABOVE THE FLOOR AND WITHIN THE REACH RANGES REQUIRED.
WALLS SHALL BE MOUNTED NO LESS THAN 15" ABOVE THE FLOOR.
EXCEPTION: THESE REQUIREMENTS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL AND COMMUNICATIONS SYSTEMS RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.
FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 44" ABOVE THE FLOOR.
OPERATION: CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.
GRAB BARS AND TUB AND SHOWER SEATS:
THE OUTSIDE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A HANDRAIL OR GRAB BAR SHALL BE 1-1/4" TO 1-1/2", OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE.
IF HANDRAILS OR GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1-1/2".
BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.
SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.
SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.
TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250 LBF PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND THE SUPPORTING STRUCTURE.
ROTATION OF GRAB BARS WITHIN THEIR FITTINGS IS NOT ACCEPTABLE.
SHARP OR ABRASIVE ELEMENTS ARE NOT ACCEPTABLE FOR A HANDRAIL OR GRAB BAR OR ANY WALL OR OTHER SURFACE ADJACENT TO IT. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".



DRINKING FOUNTAINS
See section 602 of the TAS for additional requirements on drinking fountains.

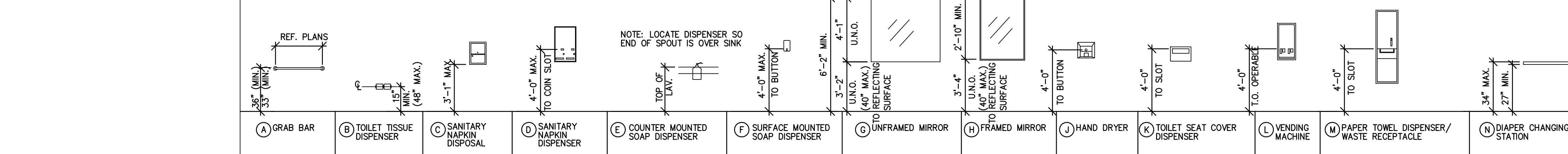


REACH RANGES, CONT.
SEE SECTION 308 OF THE TAS FOR ADDITIONAL REQUIREMENTS.

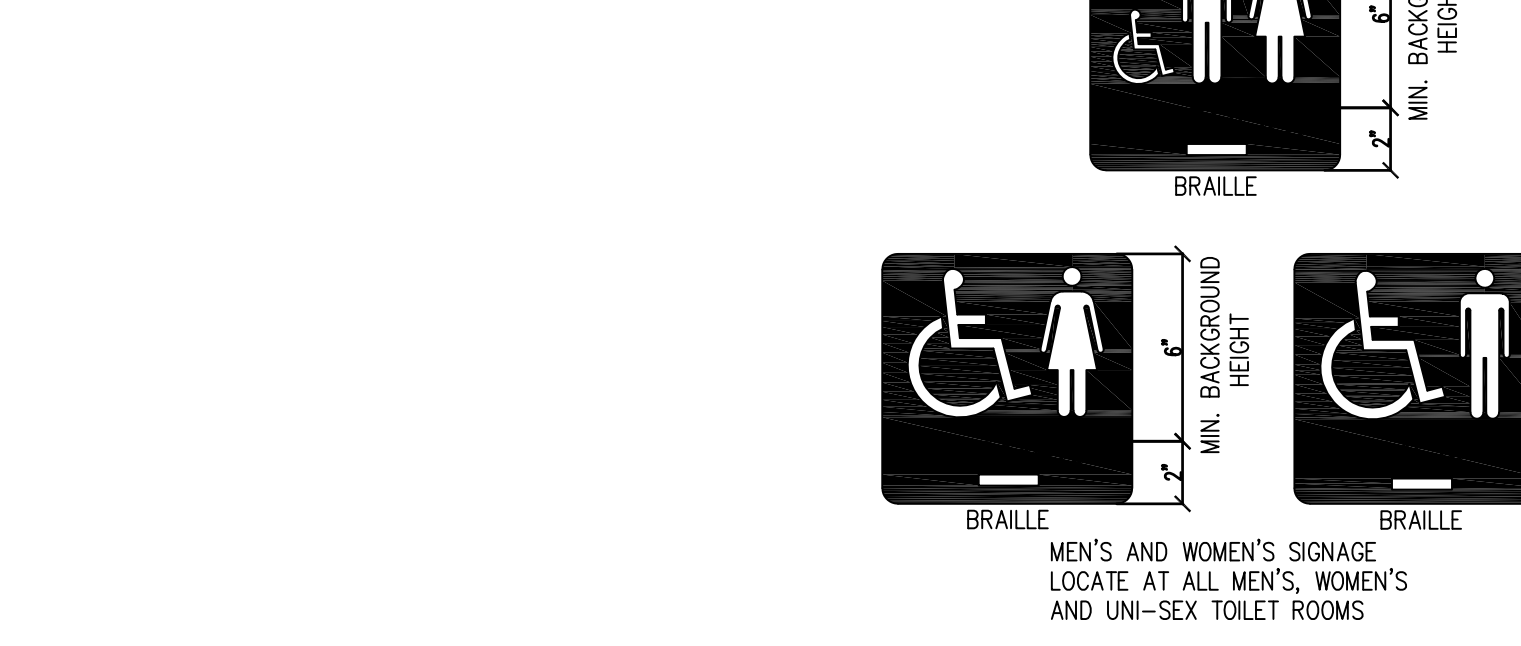


Handi Cap Ramp Details
SCALE - NONE

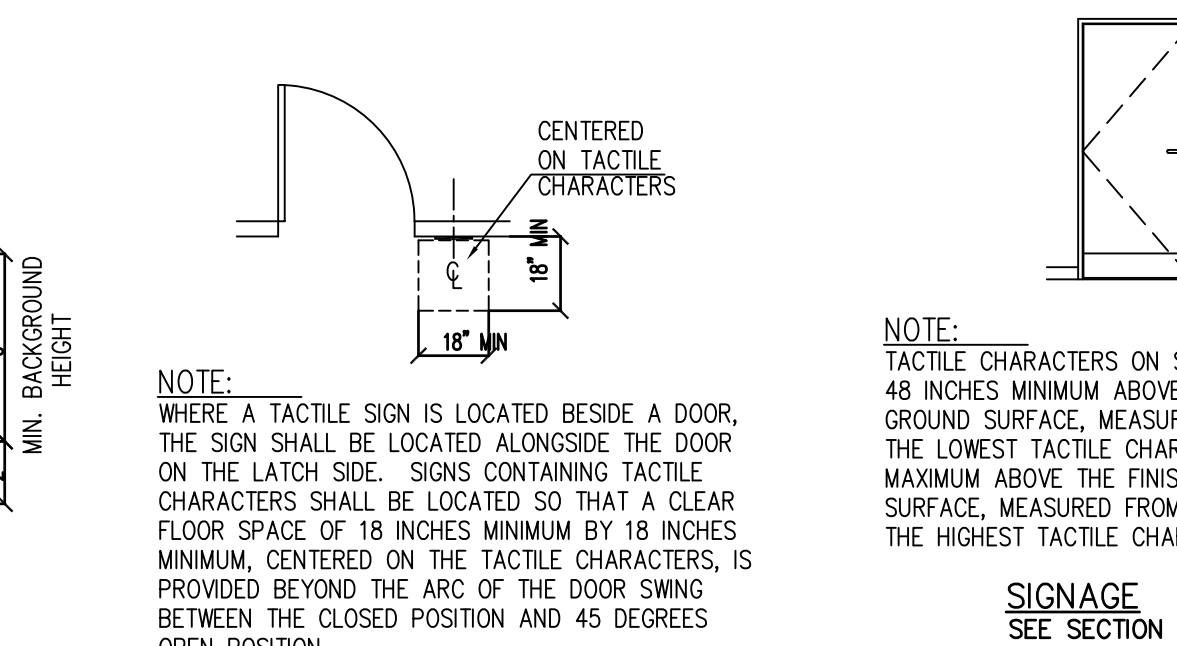
OPERATION: CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.
GRAB BARS AND TUB AND SHOWER SEATS:
THE OUTSIDE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A HANDRAIL OR GRAB BAR SHALL BE 1-1/4" TO 1-1/2", OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE.
IF HANDRAILS OR GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1-1/2".
BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.
SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.
SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.
TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250 LBF PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND THE SUPPORTING STRUCTURE.
ROTATION OF GRAB BARS WITHIN THEIR FITTINGS IS NOT ACCEPTABLE.
SHARP OR ABRASIVE ELEMENTS ARE NOT ACCEPTABLE FOR A HANDRAIL OR GRAB BAR OR ANY WALL OR OTHER SURFACE ADJACENT TO IT. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".



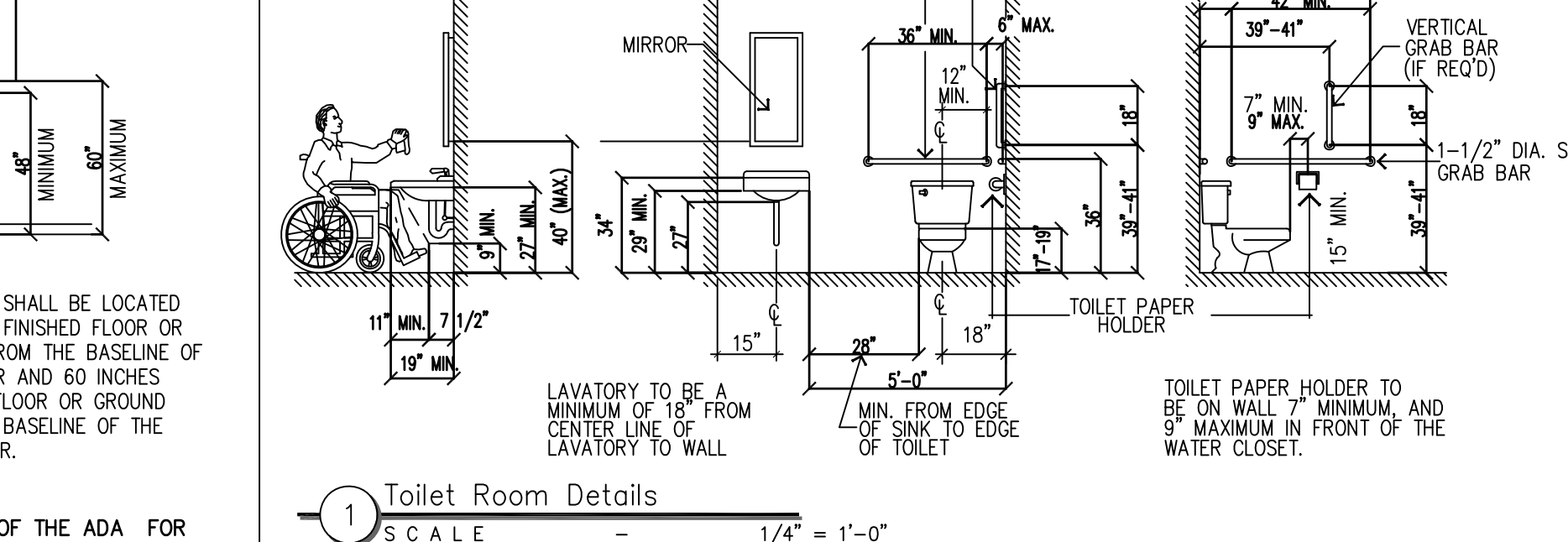
FIXTURE MOUNTING DIAGRAMS



SIGNAGE
SEE SECTION 703 OF THE ADA FOR ADDITIONAL REQUIREMENTS ON SIGNS



SIGNAGE
SEE SECTION 703 OF THE ADA FOR ADDITIONAL REQUIREMENTS ON SIGNS



Toilet Room Details
SCALE - 1/4" = 1'-0"

OVERHEAD SIGN CHARACTERS AND NUMBERS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. FOR SUSPENDED OR PROJECTED OVERHEAD SIGNS, THE MINIMUM CHARACTER HEIGHT IS 3".
BRAILLED CHARACTERS AND PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE RAISED 1/32", UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH, BUT NO HIGHER THAN 2". PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MINIMUM IN HEIGHT.
FINISH: THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLOSS FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND.
PERMANENT IDENTIFICATION SIGNS PROVIDED FOR ROOMS AND SPACES: SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN.
MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

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

ISSUED / REVISIONS:

DO NOT SCALE THESE DRAWINGS.

REFER, ALSO, TO FEDERAL PUBLICATION "AMERICANS WITH DISABILITIES ACT, TITLE III; PUBLIC ACCOMMODATIONS" (LATEST EDITION) AND PROJECT LOCAL GOVERNING REGULATIONS FOR COMPLETE PROJECT ACCESSIBILITY REQUIREMENTS.

SPECIAL ACCESSIBILITY REQUIREMENTS:
DOOR HARDWARE:
DOORS SHALL HAVE LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, OR U-SHAPED HANDLES.
HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE.
SLIDING DOORS, IF ANY, WHEN FULLY OPEN SHALL HAVE OPERATING HARDWARE EXPOSED AND USABLE FROM BOTH SIDES.
MOUNTING HEIGHT: HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISHED FLOOR.
CLOSER OPERATION: THE SWEEP PERIOD OF A CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:
(A) EXTERIOR HINGED DOORS: NO REQUIREMENT.
(B) INTERIOR HINGED DOORS: 5 LBF
(C) SLIDING OR FOLDING DOORS: 5 LBF
EXCEPT THAT FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.
THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.
AUTOMATIC DOORS AND AUTOMATIC GATES SHALL COMPLY WITH 404.3. FULL POWERED, AUTOMATIC DOORS SHALL COMPLY WITH ANSI / BHMA A156.10 (INCORPORATED BY REFERENCE, SEE REFERENCED STANDARDS IN CHAPTER 1)
A156.19 (1997 OR 2002 EDITION (INCORPORATED BY REFERENCE, SEE REFERENCED STANDARDS IN CHAPTER 1)
SUCH DOORS SHALL NOT OPEN TO BACK CHECK FASTER THAN 3 SECONDS
IF USER-OPERATED CONTROLS ARE PROVIDED THEY SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS, SECTION 4.27.

CONTROLS AND OPERATING MECHANISMS:
HEIGHT: SWITCHES, THERMOSTATS, CONTROLS, DISPENSERS, RECEPTACLES, AND THE HIGHEST OPERABLE PART OF OTHER OPERABLE EQUIPMENT SHALL BE PLACED NO HIGHER THAN 48" ABOVE THE FLOOR AND WITHIN THE REACH RANGES REQUIRED.
WALLS SHALL BE MOUNTED NO LESS THAN 15" ABOVE THE FLOOR.
EXCEPTION: THESE REQUIREMENTS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL AND COMMUNICATIONS SYSTEMS RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.
FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 44" ABOVE THE FLOOR.
OPERATION: CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.
GRAB BARS AND TUB AND SHOWER SEATS:
THE OUTSIDE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A HANDRAIL OR GRAB BAR SHALL BE 1-1/4" TO 1-1/2", OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE.
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SHARP OR ABRASIVE ELEMENTS ARE NOT ACCEPTABLE FOR A HANDRAIL OR GRAB BAR OR ANY WALL OR OTHER SURFACE ADJACENT TO IT. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".

SIGNAGE:
THE WIDTH-TO-HEIGHT RATIO OF LETTERS AND NUMBERS ON SIGNS SHALL HAVE A BETWEEN 3:5 AND 1:1 AND A STROKE-WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10 USING AN UPPER-CASE "X" FOR MEASUREMENT. LOWER CASE LETTERS ARE PERMITTED.
OVERHEAD SIGN CHARACTERS AND NUMBERS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. FOR SUSPENDED OR PROJECTED OVERHEAD SIGNS, THE MINIMUM CHARACTER HEIGHT IS 3".
BRAILLED CHARACTERS AND PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE RAISED 1/32", UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH, BUT NO HIGHER THAN 2". PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MINIMUM IN HEIGHT.
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MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

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PO Box 213 (Millington)
4236 HWY 3630
Annville, KY 40402
FIRM 23179

COLORADO REGISTERED PROFESSIONAL ENGINEER
6.17.2024

BIDDING QUESTIONS CONTACT 920-757-1486

PERSPIRE SAUNA STUDIO

830 SKY VISTA POINT
SUITE 100
COLORADO SPRINGS, COLORADO 80921

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

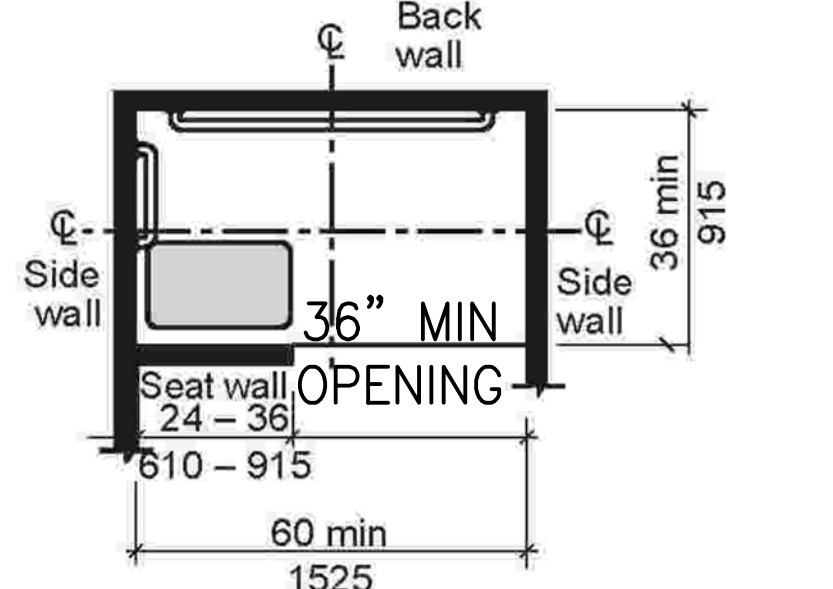
ACCESSIBLE DETAILS

SHEET No.

1.05

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 wall.

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.

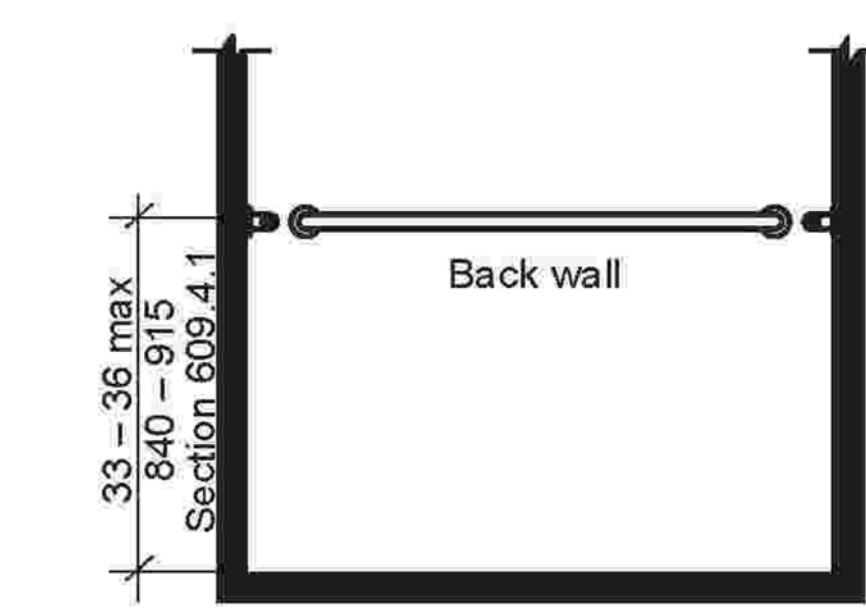


FIGURE 608.3.3(A)
GRAB BARS IN ALTERNATE ROLL-IN-TYPE SHOWER - ELEVATION

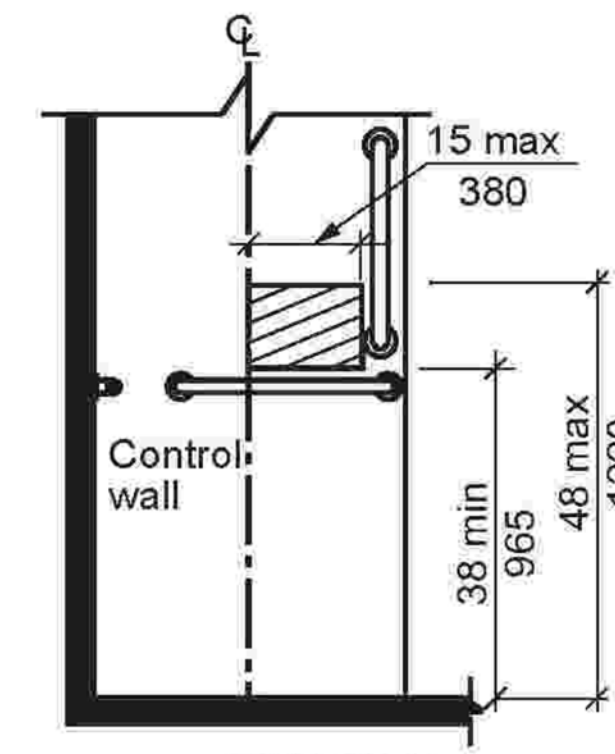


FIGURE 608.4.1
TRANSFER-TYPE SHOWER CONTROLS AND HAND SHOWER LOCATION

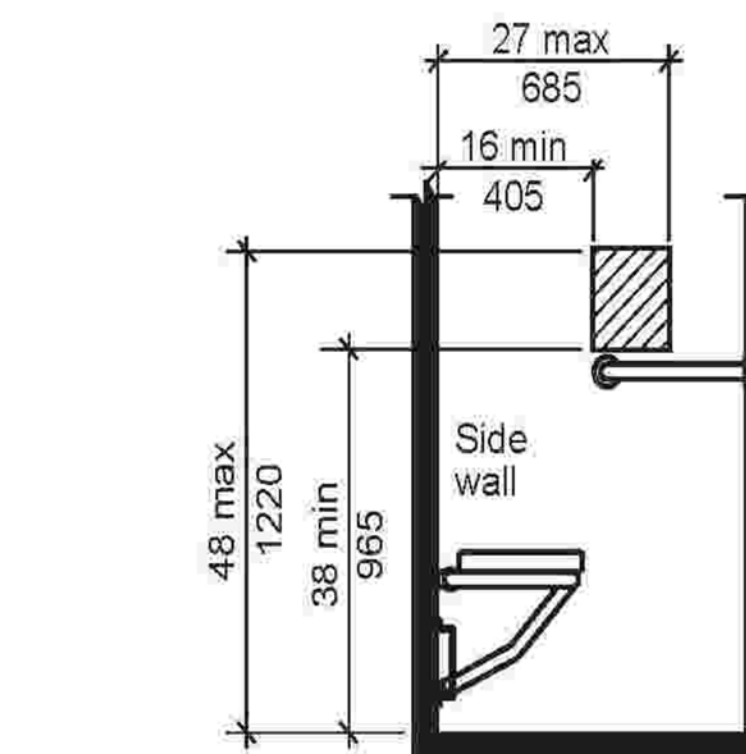


FIGURE 608.4.3(A)
ALTERNATE ROLL-IN-TYPE SHOWER CONTROLS AND HAND SHOWER LOCATION - END WALL - ELEVATION

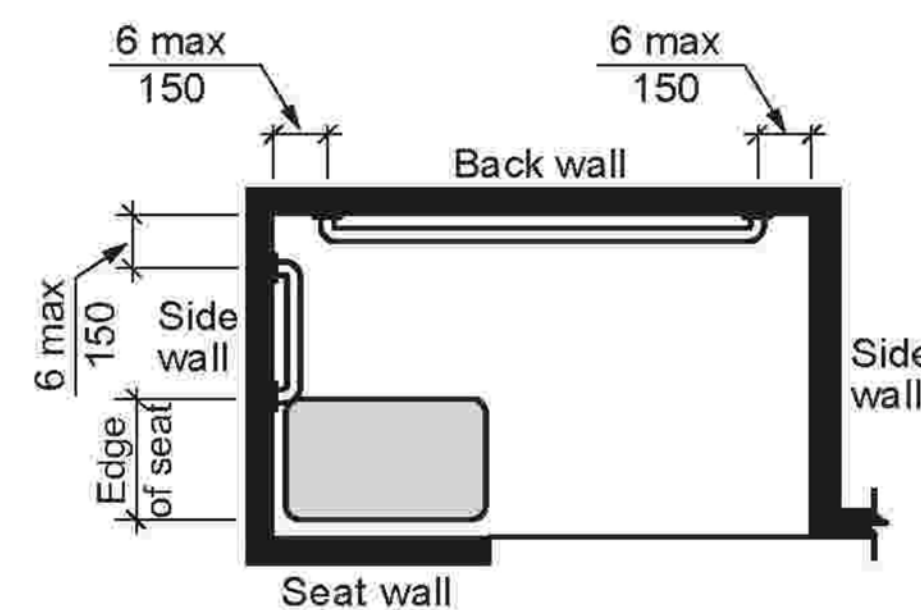


FIGURE 608.3.3(B)
GRAB BARS IN ALTERNATE ROLL-IN-TYPE SHOWER - PLAN

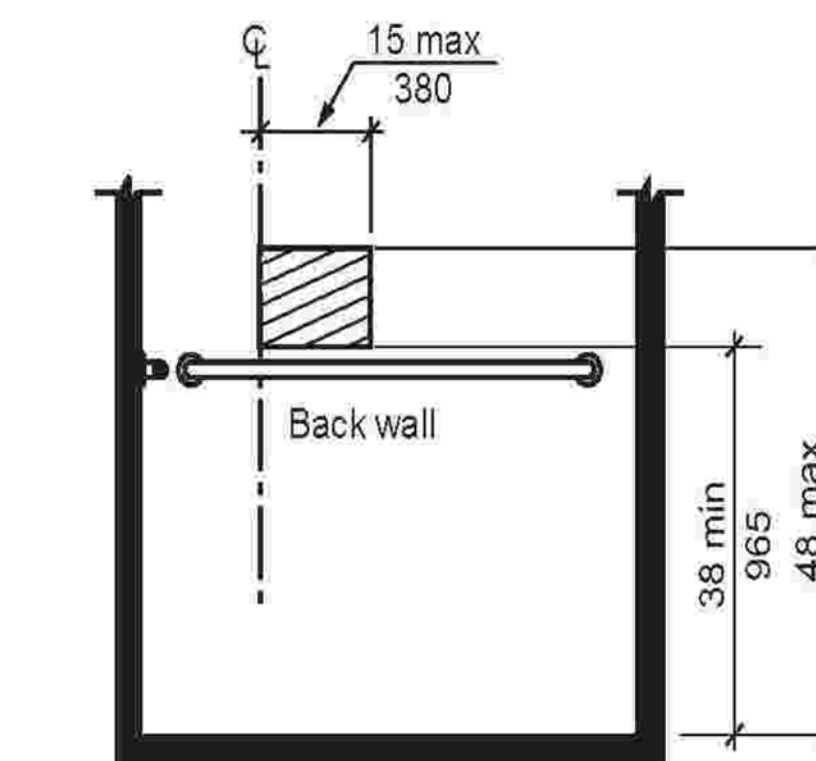


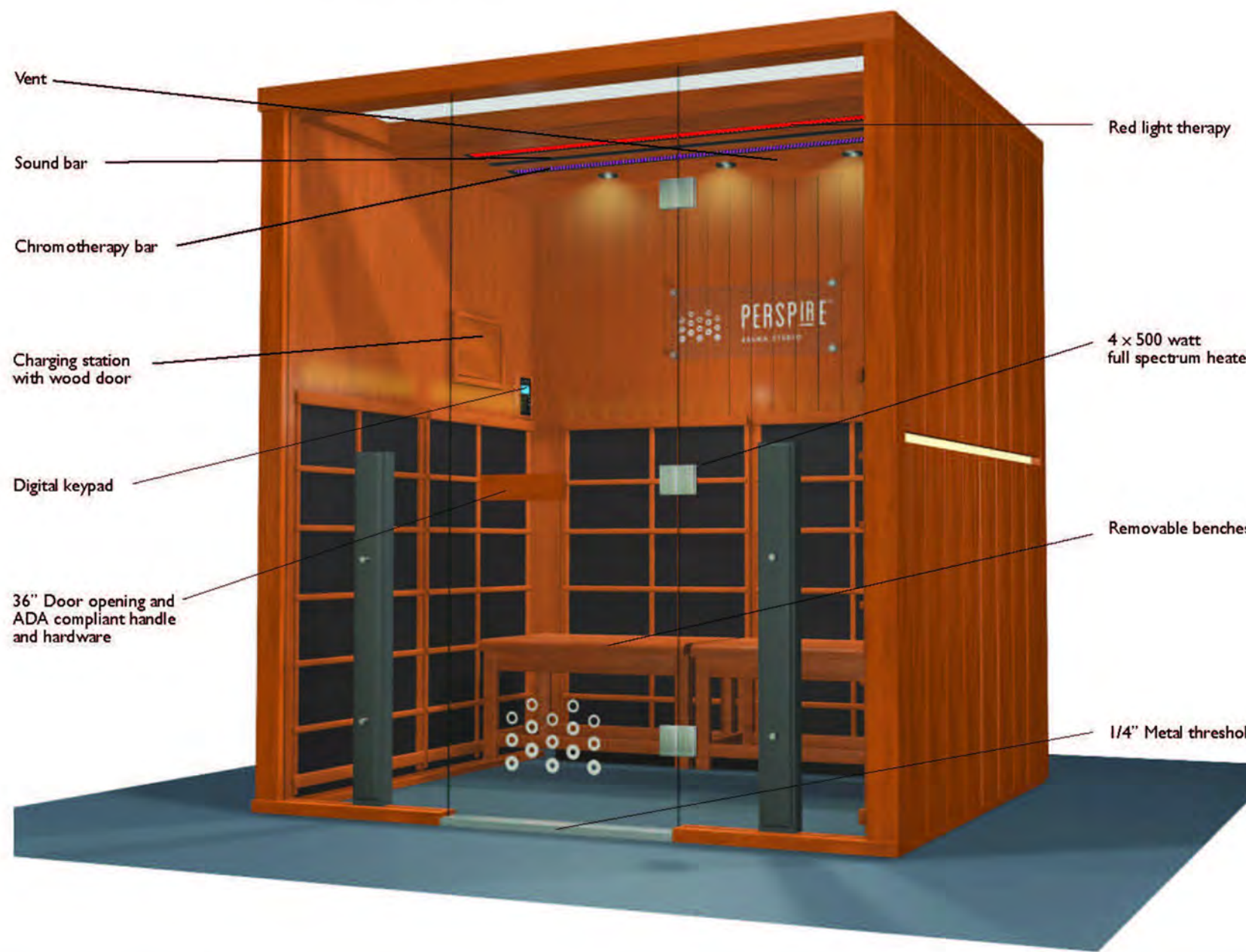
FIGURE 608.4.3(B)
ALTERNATE ROLL-IN-TYPE SHOWER CONTROLS AND HAND SHOWER LOCATION - CONTROL WALL - ELEVATION

608.4 Controls 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.

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-



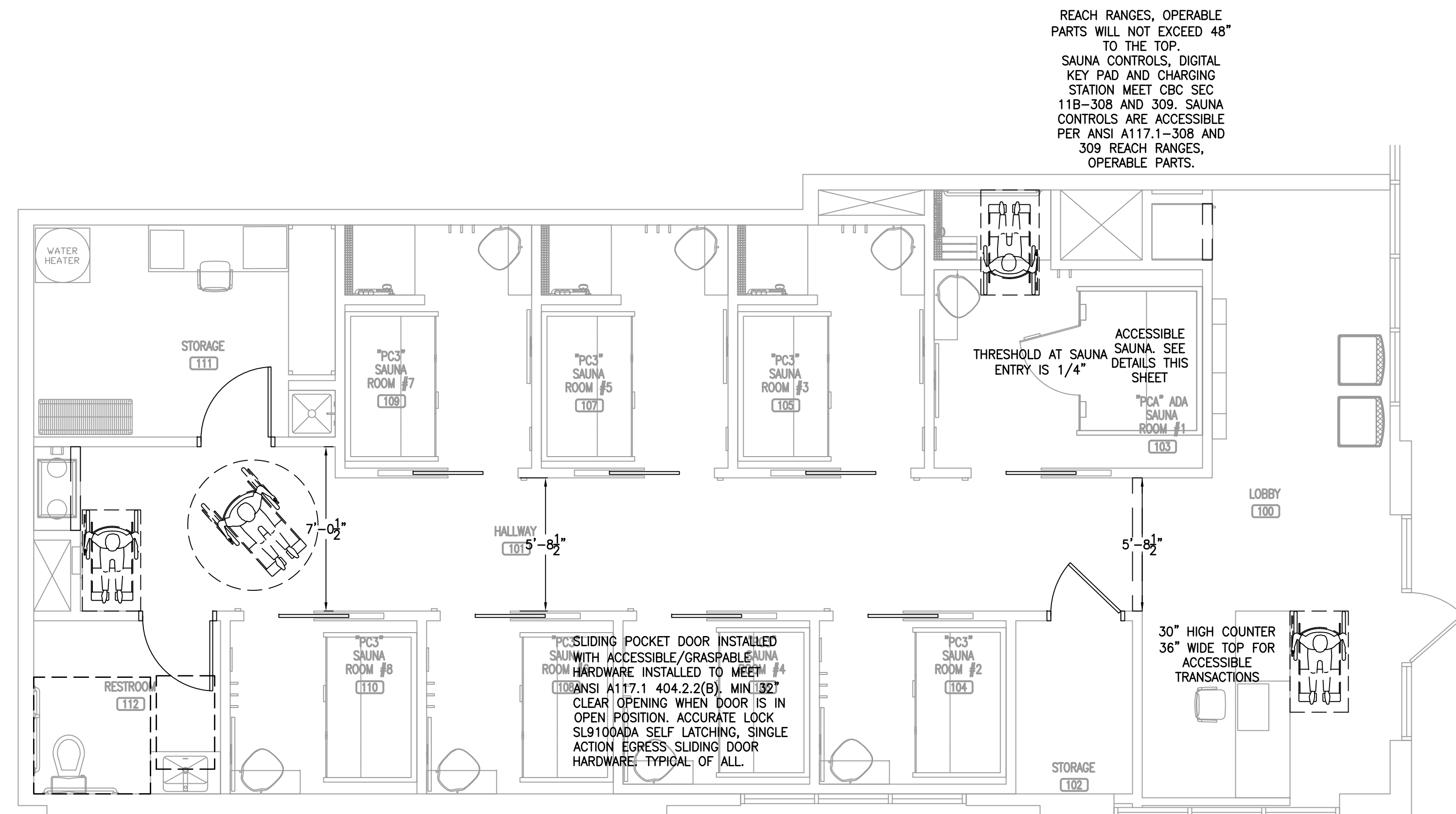
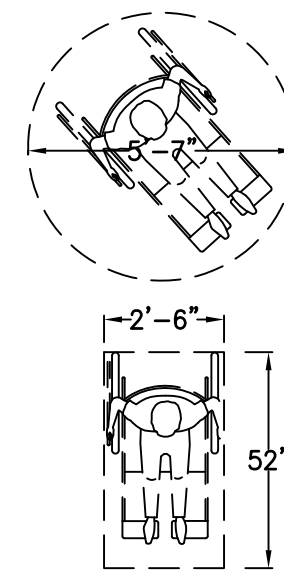
- ENHANCED AUDIO SOUND SYSTEM**: Bluetooth and AUX inputs makes it easy to connect and listen to your audio devices.
- DIGITAL KEYPAD CONTROLS**: Digital keypad controls temperature, time, lights, heater intensity and reservation mode.
- COLOR LIGHT THERAPY**: Your Perspire sauna comes standard with our healing Chromotherapy.
- TABLET / SMARTPHONE CONTROL (optional)**: Log in from your Android tablet or smartphone and remotely operate your sauna.

SPECIFICATIONS			
CONSTRUCTION	EXTERIOR	HEATERS	ELECTRICAL
Cedar inside/outside	Width: 77" (195cm)	4 x 500 watt full spectrum heaters	208v/20 amp outlet required (voltage to be specified at time of order)
Tongue & Groove Construction	Depth: 64.5" (122cm)	170°F / 76°C max temperature	
2 x heavy duty removable basswood benches with solid wood top	Height: 83.7" (212.5cm)		
Weight: 680 lbs			

www.perspiresaunastudio.com

ACCESSIBLE SAUNA LOCATION IS SAUNA ROOM 1, ROOM 103

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 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.



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.

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

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

ISSUED / REVISIONS:

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Fax: (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com
Firm: 23179



PERSPIRE SAUNA STUDIO

830 SKY VISTA POINT
SUITE 100
COLORADO SPRINGS, COLORADO 80921

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

ACCESSIBLE PLAN

SHEET No.

1.06

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

ISSUED / REVISIONS:

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 FIRM 23179



- LIGHTING**
- USE PLANS FIXTURE SCHEDULE
 - ALL FIXTURES, SENSORS, AND DIMMERS ARE SUPPLIED AND INSTALLED BY GC/EC

- SPEAKERS - 5 TOTAL WITHIN SUITE**
- PROVIDED BY OWNER & INSTALLED BY GC
 - 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.

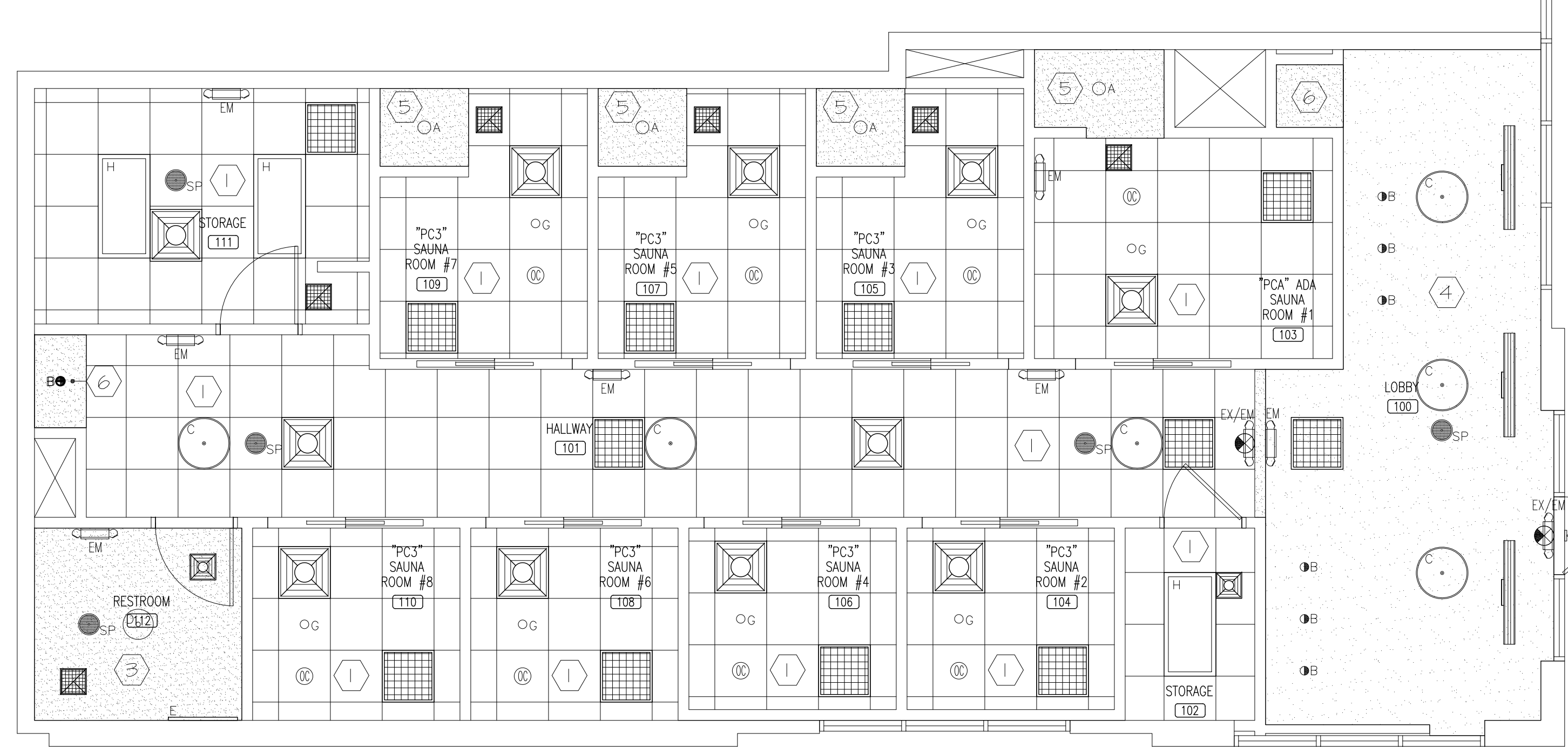
- CEILING COVERING**
- 1 ARMSTRONG, DUNE 1775, TEGULAR 24"x24"x5/8" MOUNTED AT 11'-0". SUPRAFINE XL 9/16" GRID, FACTORY WHITE
 - 2 ARMSTRONG, DUNE 1775, TEGULAR 24"x24"x5/8" MOUNTED AT 8'-0". SUPRAFINE XL 9/16" GRID, FACTORY WHITE
 - 3 GYPSUM BOARD CEILING - PT3 MOUNTED AT 11'-0"
 - 4 GYPSUM BOARD CEILING - 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. IF CEILING HEIGHT, DUE TO SITE CONDITIONS, IS NOT ATTAINABLE, GC TO DISCUSS FINISHED HEIGHT WITH CONSTRUCTION MANAGER. REFER TO FINISH SCHEDULE FOR CEILING FINISH SPECIFICATIONS.

- A ○ 6" RECESSED DOWN LIGHT DAMP LOCATION +11'-0" AFF IN GRID
- B ● 4" RECESSED WALLWASHER +11'-0" AFF
- C ○ 24" DRUM LIGHT +8'-11" AFF. INSTALL WITH (1) 12" ROD SUPPLIED BY MANUFACTURER.
- D ○ 14" DRUM LIGHT +7'-3" AFF
- E — WALL MIRROR (BACKLIT) +3'-2" AFF TO BOTTOM OF MIRROR
- EM — EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP MOUNT BOTTOM OF FIXTURE 8'-0" AFF
- RH — EMERGENCY LIGHT REMOTE EXTERIOR HEAD
- EX — EXIT SIGN
- EX — DIRECTIONAL EXIT SIGN
- EX/EM — EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP AND EXIT SIGN. MOUNT 12" ABOVE DOOR
- SP ● CEILING MOUNTED SPEAKER, TRIM TO MATCH SURFACE PROVIDED BY OWNER, INSTALLED BY G.C.
- FULLY CONCEALED SPRINKLER HEAD
- 24"x24" SUPPLY AIR DIFFUSER
- 12"x12" SUPPLY AIR DIFFUSER
- EXHAUST FAN
- 24"x24" RETURN AIR GRILL
- SUPPLY AIR SLOT DIFFUSER
- CEILING MOUNTED RAIN SHOWER HEAD

REFLECTED CEILING LEGEND

NOT ALL FIXTURES ARE NOT NECESSARILY IN USE. LIGHT SWITCHES/CONTROLS TO BE MOUNTED AT 48" A.F.F. TO TOP OF CONTROL. LIGHT FIXTURES, OCCUPANCY SENSORS AND FLUORESCENT DIMMER SUPPLIED BY GC/EC. WALL MIRROR BY FCD, INSTALLED BY GC/EC



REFLECTED CEILING PLAN
 SCALE: 1/4"=1'-0"

BIDDING QUESTIONS CONTACT 920-757-1486



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

REFLECTED CEILING PLAN

SHEET No.

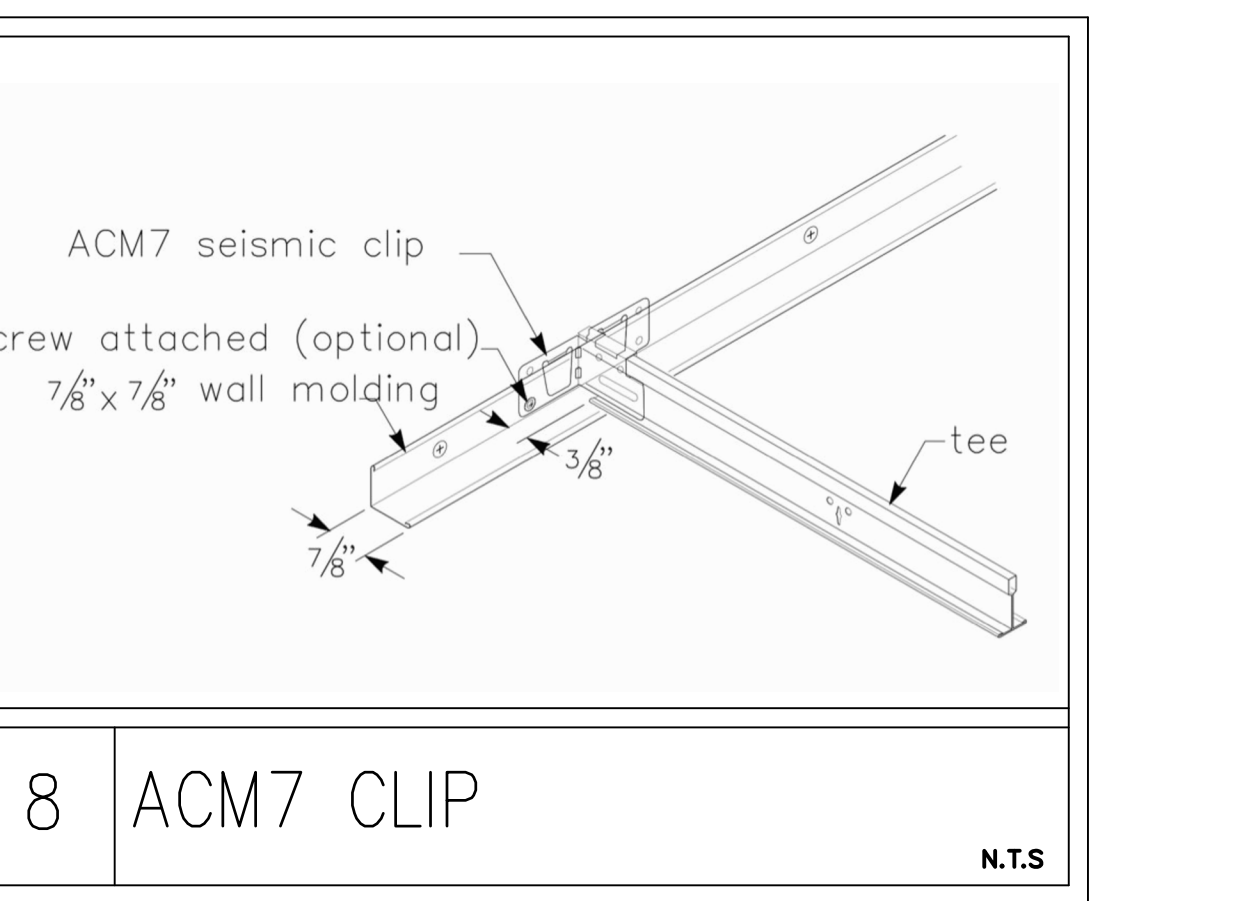
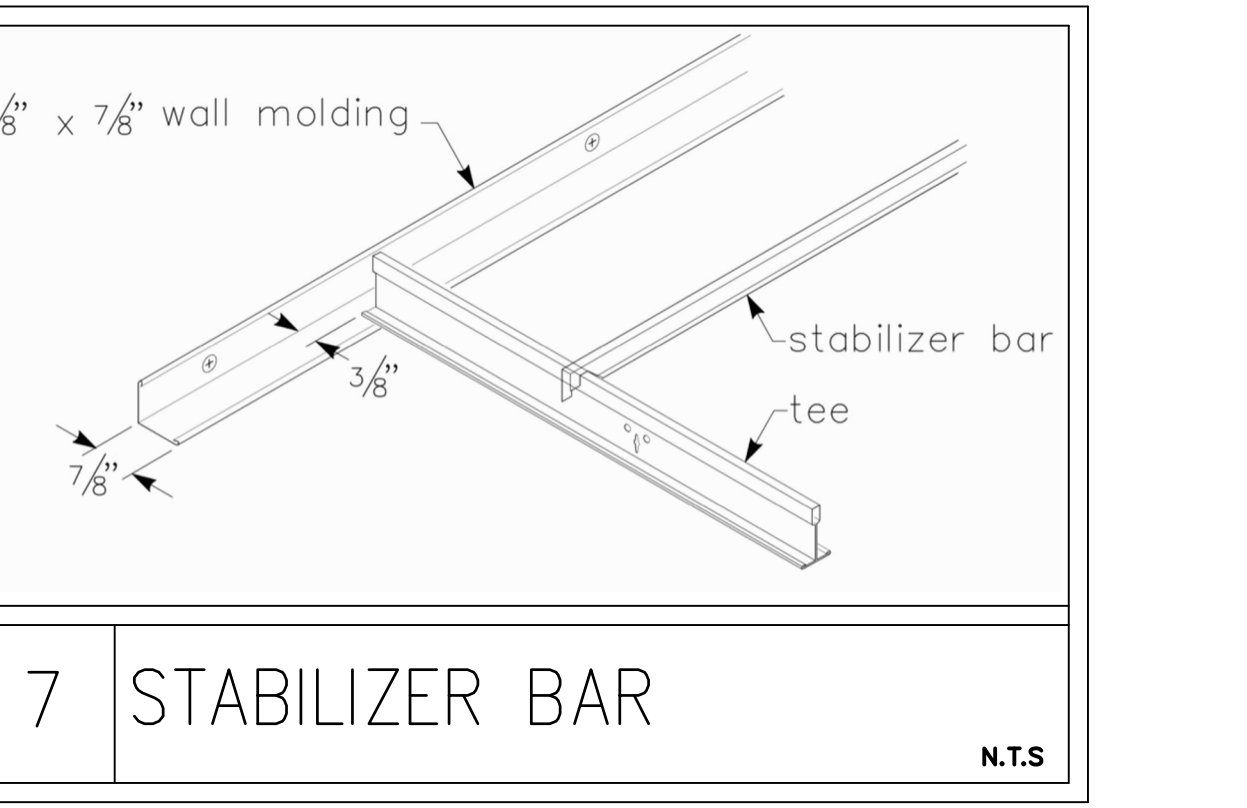
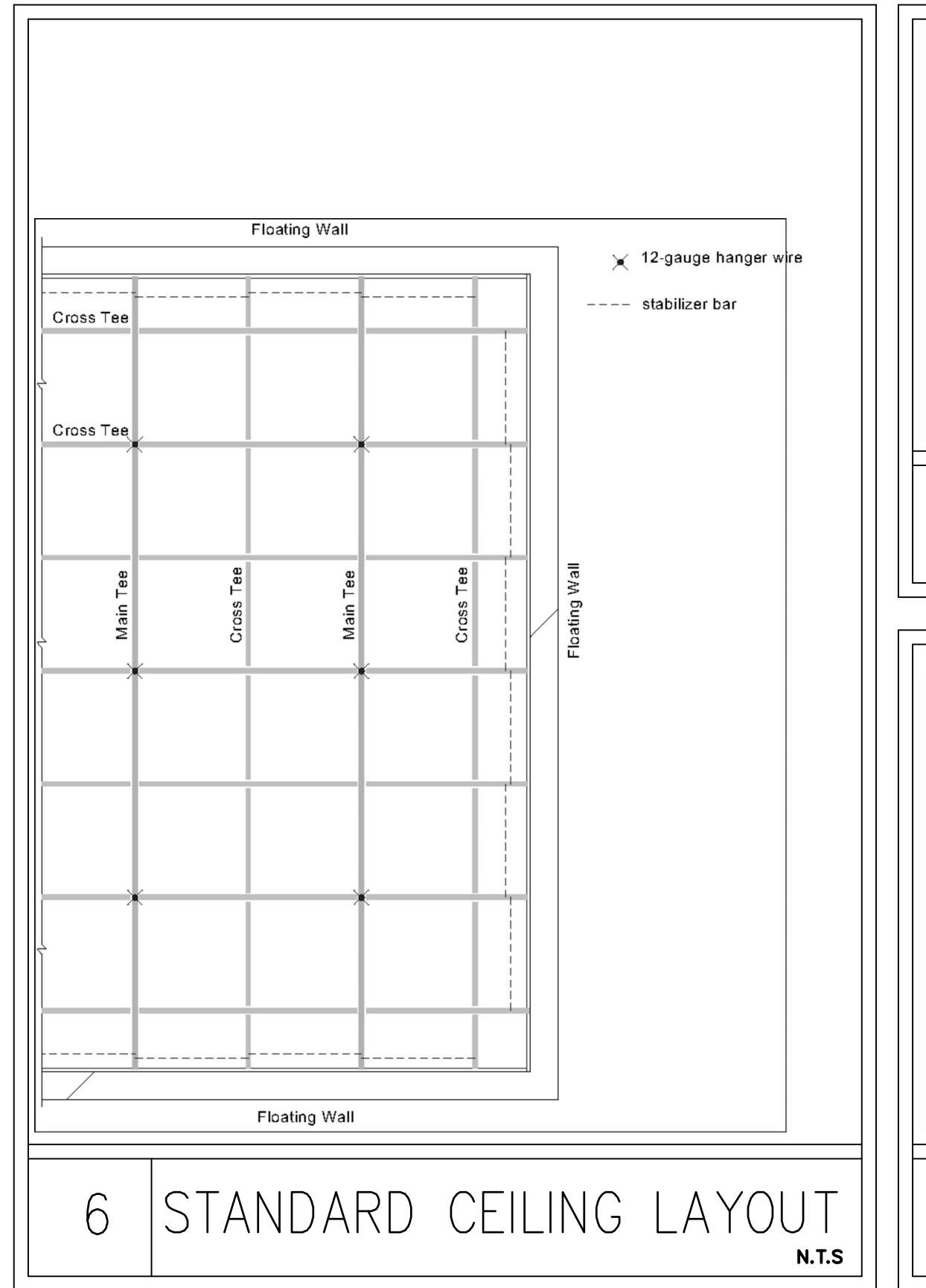
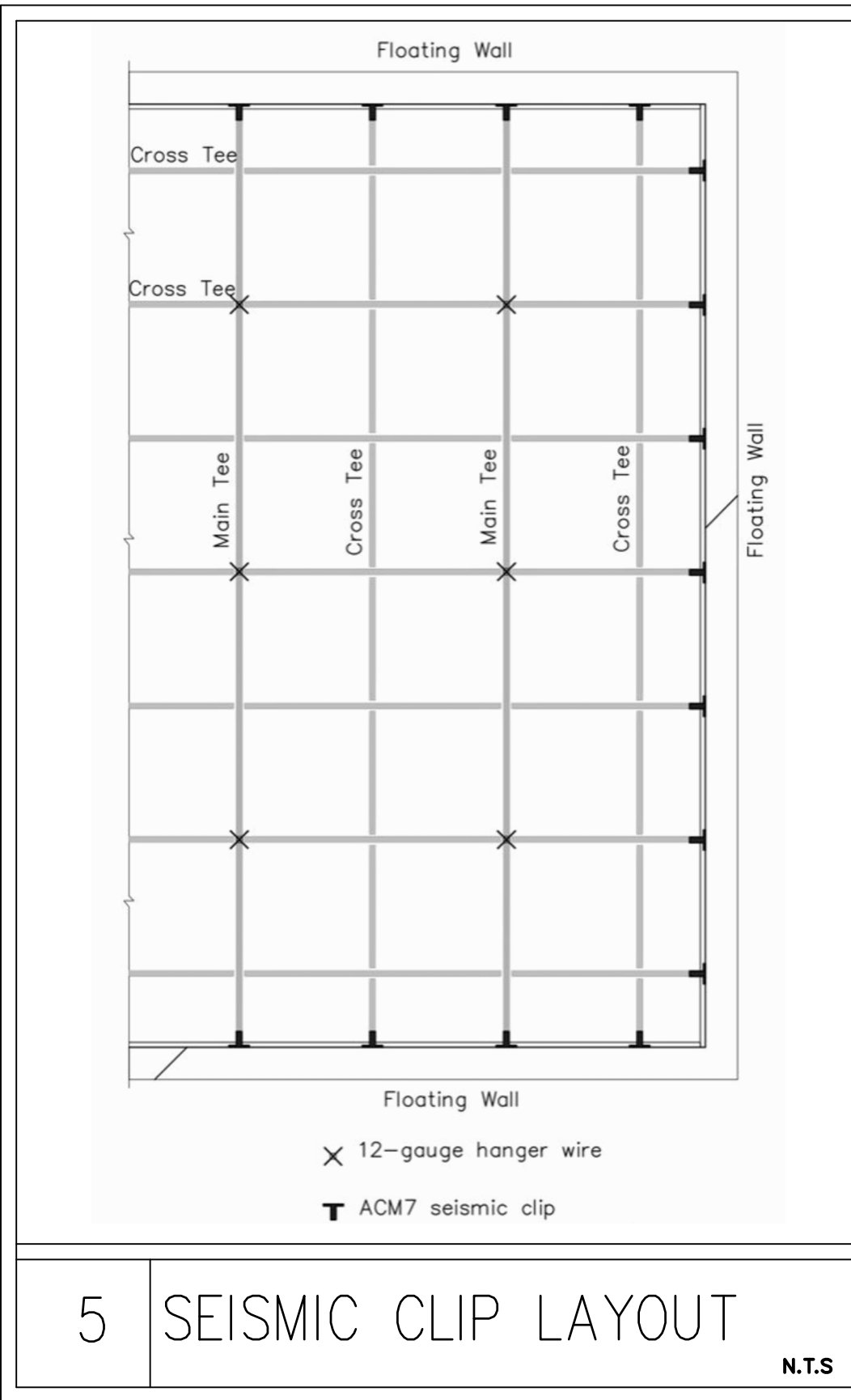
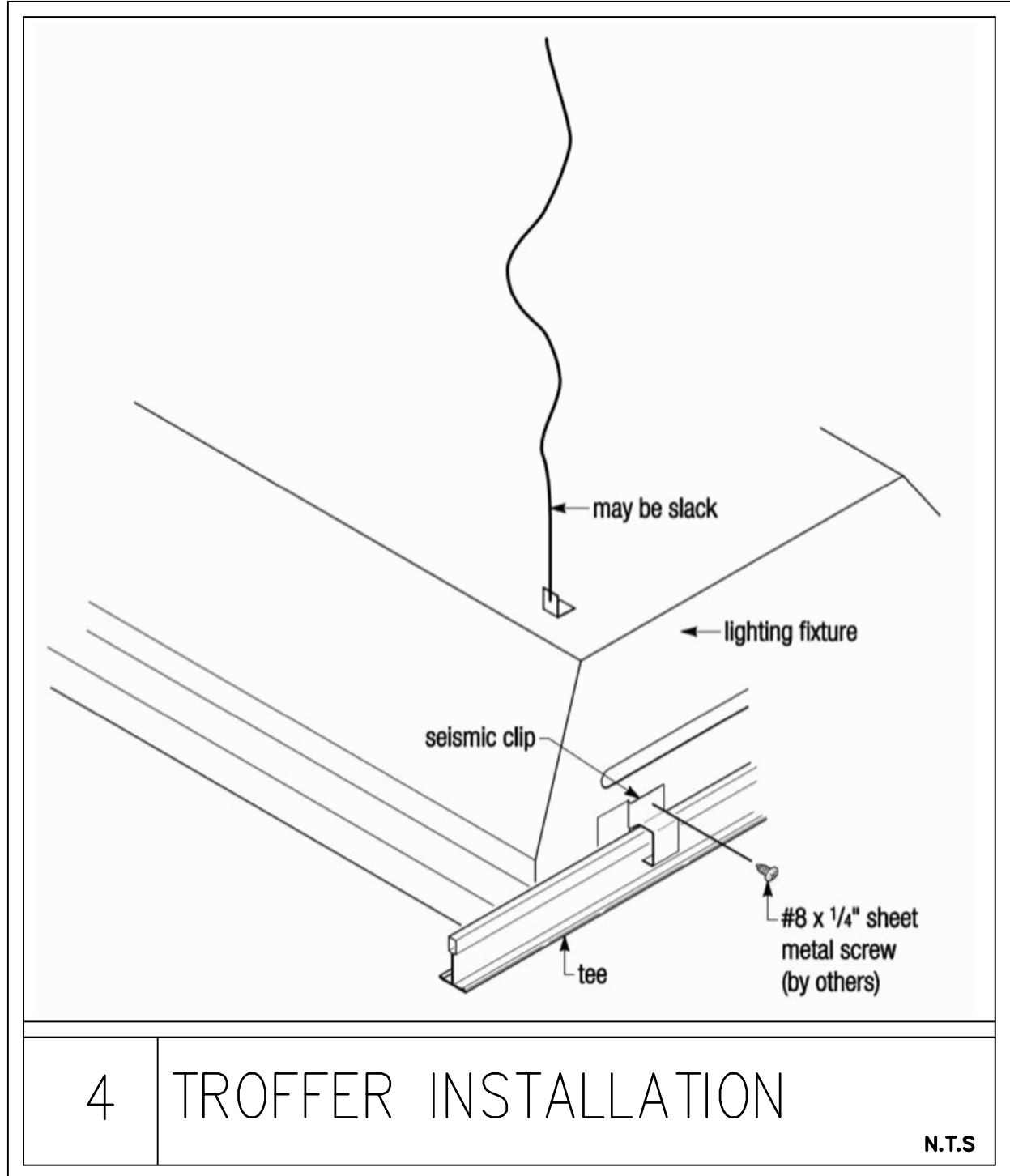
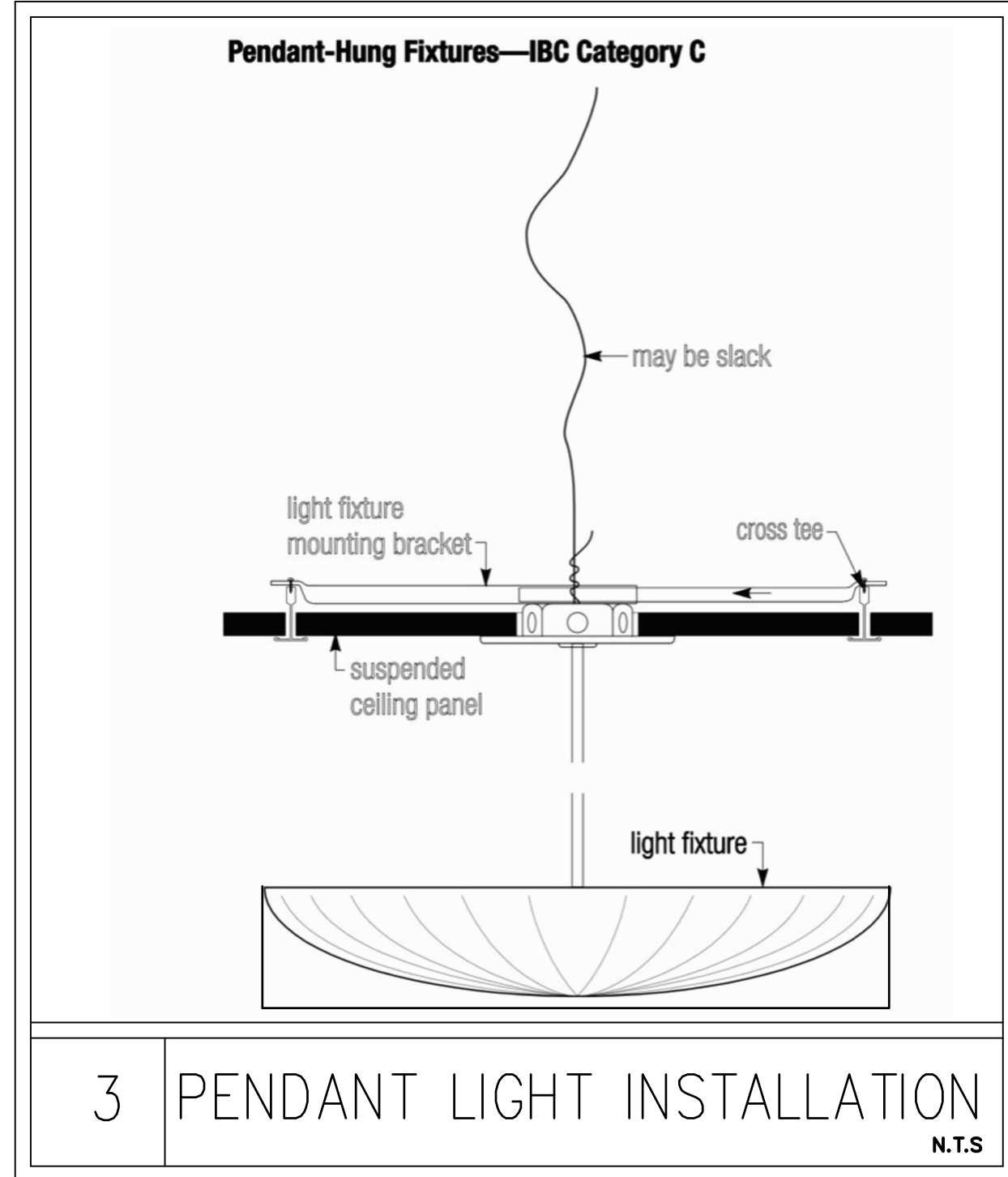
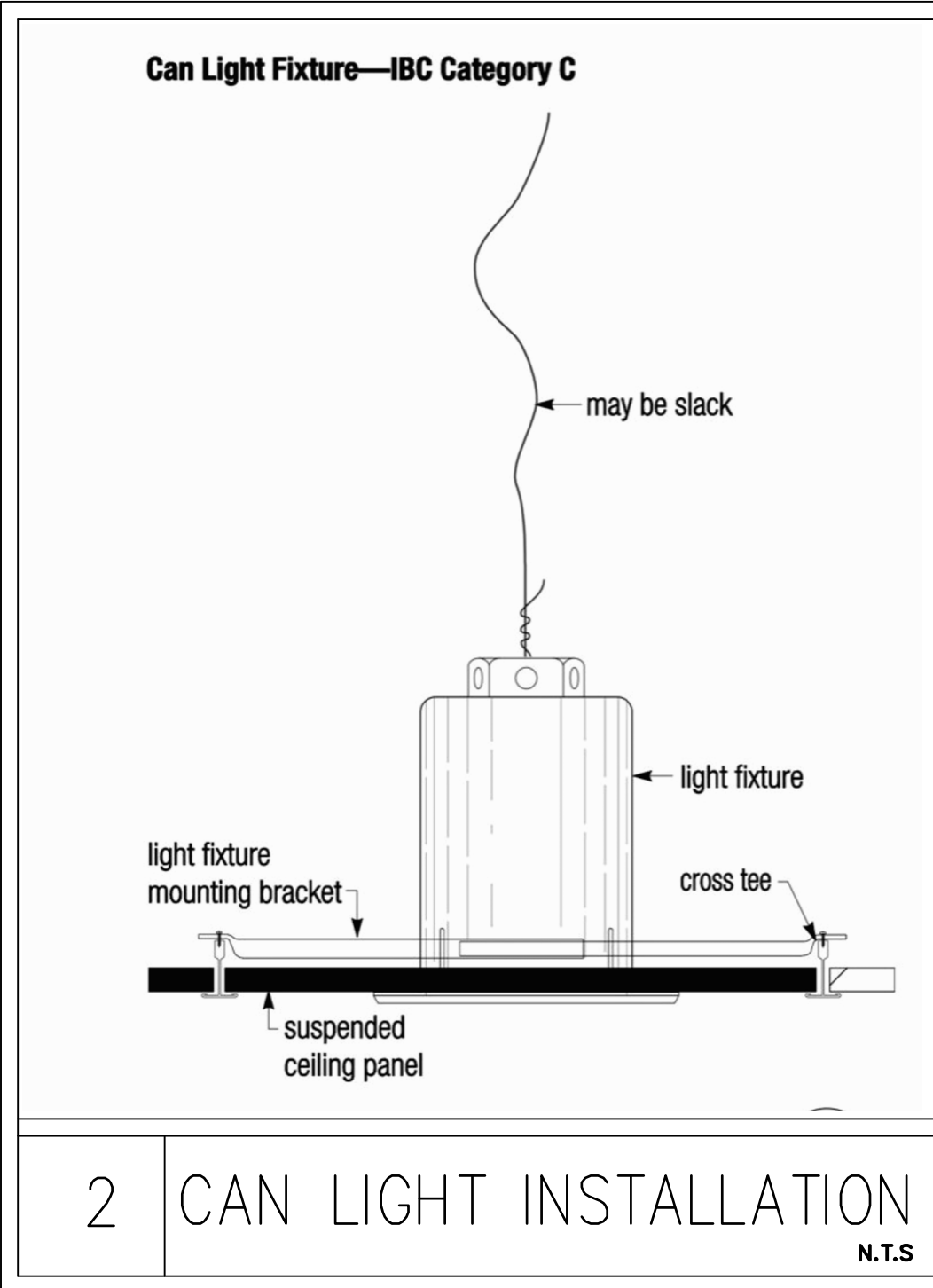
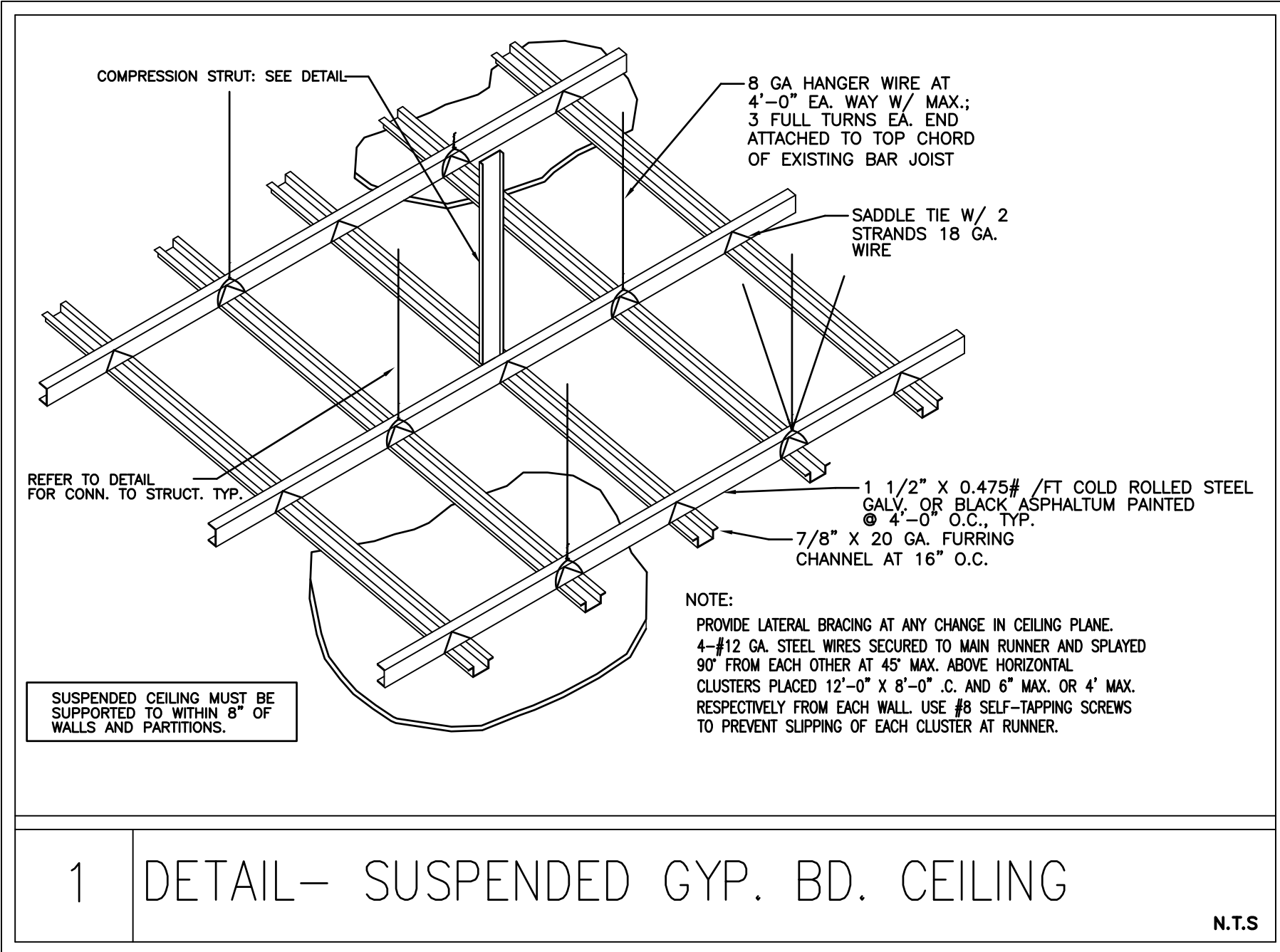
1.07

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

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

ISSUED / REVISIONS:

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 FIRM 23179



BIDDING QUESTIONS CONTACT 920-757-1486

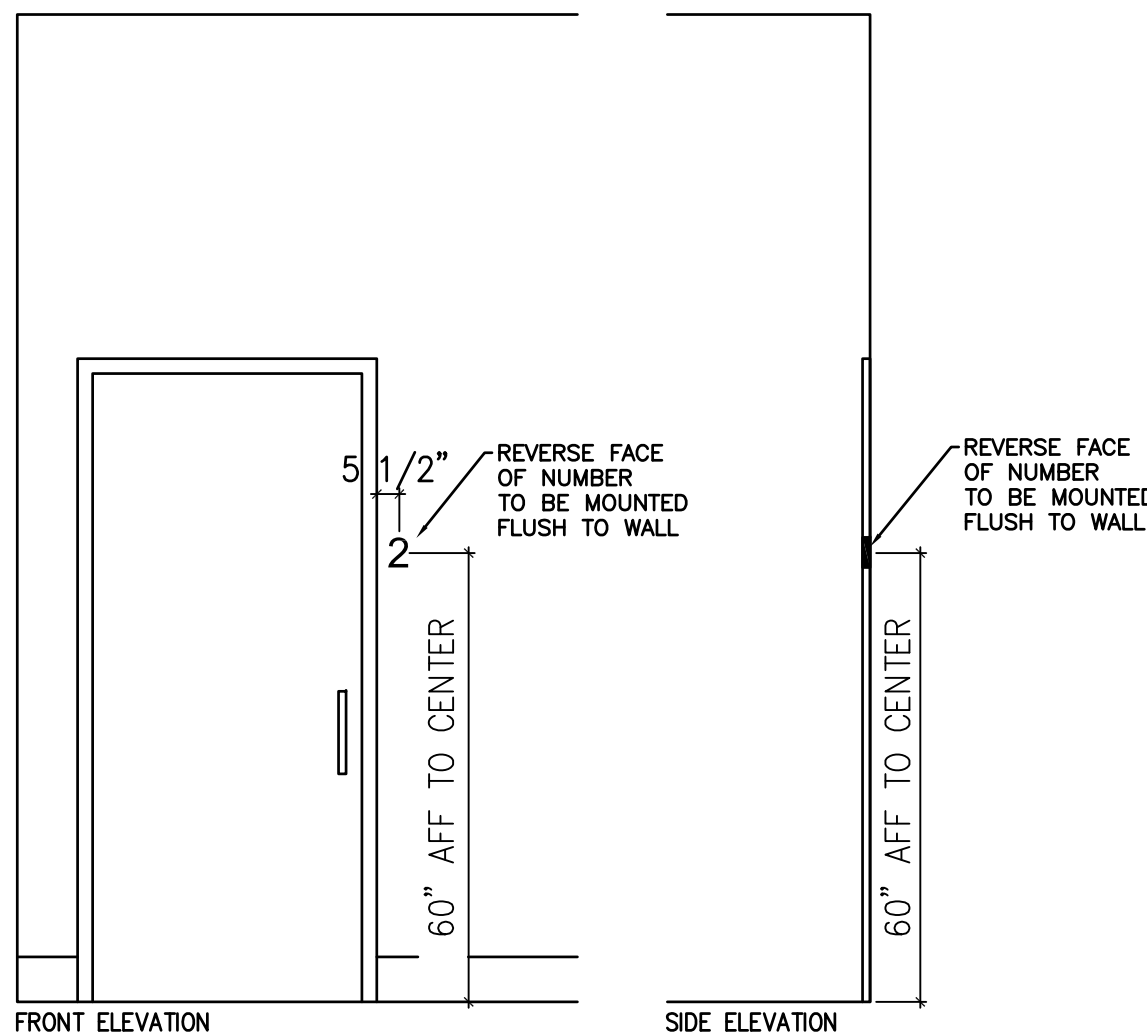
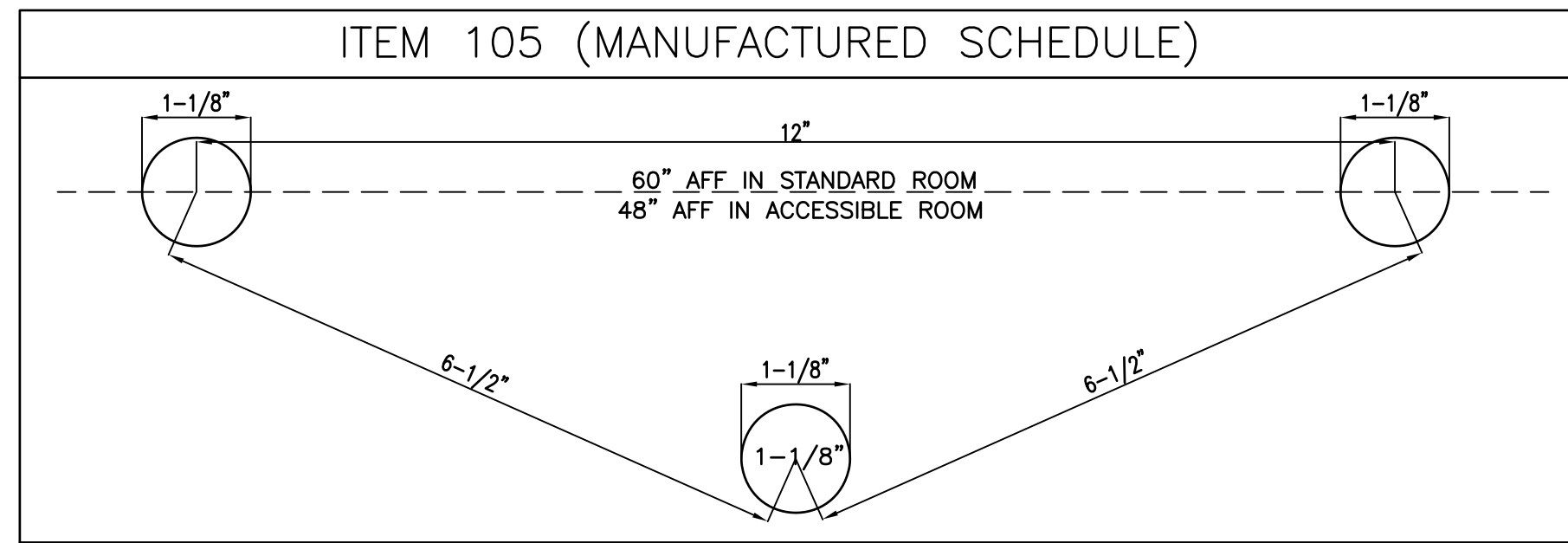
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 DRAWN BY: Staff
 DATE: JUNE 17, 2024
 SCALE: PER PLAN
 PROJECT No.: PSS 2417
 SHEET TITLE

CEILING DETAILS

SHEET No.

1.08

PERSPIRE SAUNA STUDIO
 830 SKY VISTA POINT
 SUITE 100
 COLORADO SPRINGS, COLORADO 80921



*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.

2 ROOM NUMBER INSTALLATION DETAIL
N.T.S

PERSPIRE - GRAPHICS SCHEDULE					
ITEM NUMBER	DESCRIPTION	MOUNTING HEIGHT	SUPPLIED BY	INSTALLED BY	RECEIVED BY
G1	PERSPIRE LOGO	+70" AFF TO CENTER	OWNER	OWNER	OWNER
G2	TOWEL DROP SIGN	+40" AFF TO CENTER	OWNER	OWNER	OWNER
G3	ITWW SIGN	TBD	OWNER	OWNER	OWNER

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

PERSPIRE - MANUFACTURED PRODUCTS SCHEDULE						
ITEM#	DESCRIPTION	PRODUCT NUMBER	SUPPLIED BY	INSTALLED BY	RECEIVED BY	NOTES
100*	SAUNA ROOM FLOATING SHELF	PSS100	FCD	GC	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	
3013*	LOBBY RETAIL DISPLAY	PSS3013	FCD	GC	GC	
3302	HALLWAY TOWEL DISPOSABLE BASE	PSS3302	FCD	GC	GC	ARRIVES FINISHED.
3303	RECEPTION CEDAR PANEL	PSS3303	FCD	GC	GC	
3528	MANAGER'S DESK COUNTERTOP	PSS3528	FCD	GC	GC	2 BRACKETS INCLUDED FOR GC TO INSTALL

PERSPIRE - TOILET ACCESSORIES

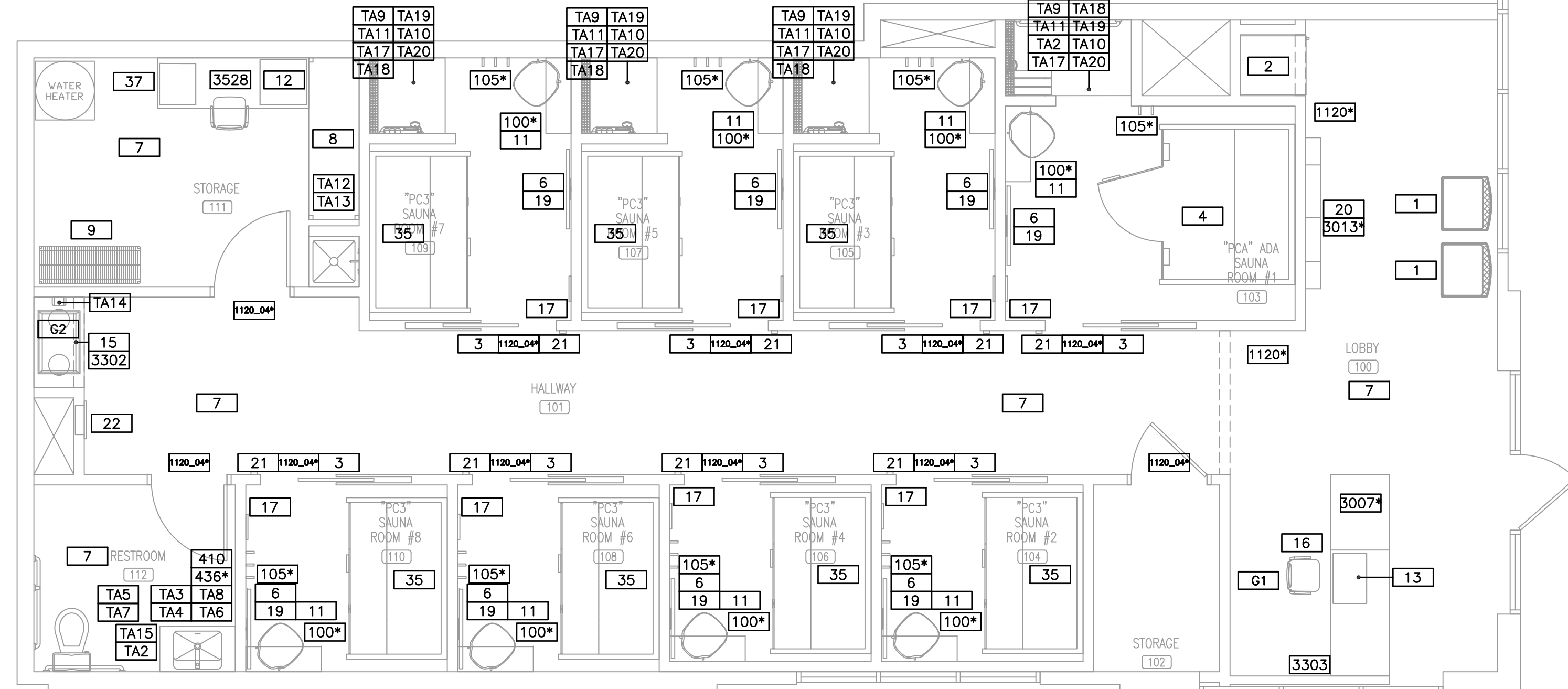
ITEM#	DESCRIPTION	MANUFACTURER	PRODUCT SERIES	PRODUCT NUMBER	SUPPLIED BY	INSTALLED BY	NOTES
TA2	STAINLESS STEEL GRAB BARS	BOBRICK	B6806 SERIES	1-1/2" DIA WITH SNAP FLANGE	GC	GC	36", 42", AND 18" LENGTHS
TA3	WALL MOUNTED PAPER TOWEL DISP	CINTAS	SIGNATURE SERIES	STAINLESS STEEL / SILVER	OWNER	OWNER	
TA4	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

PERSPIRE - FURNITURE & EQUIPMENT SCHEDULE

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	OWNER	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 GORED 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 ARE SUBJECT TO CHANGE.
GC TO ACCEPT DELIVERY OF SAUNAS FROM CLEARLIGHT AND DISPOSE OF ALL SAUNA PACKAGING MATERIALS. SAUNAS TO BE COORDINATED ON A SINGLE OR MULTIPLE SHIPMENTS. OWNER TO INSTALL ONCE ON SIGHT. OWNER TO VARNISH AND INSTALL THE PERSPIRE SAUNA SIGN ONCE ON SITE PER THE PERSPIRE PROVIDED INSTRUCTIONS.



FURNITURE & EQUIPMENT FLOOR PLAN
SCALE: 1/4"=1'-0"

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ISSUED / REVISIONS:



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Web Address: emrengineers.com
FIRM 23179

PERSPIRE SAUNA STUDIO
830 SKY VISTA POINT
SUITE 100
COLORADO SPRINGS, COLORADO 80921

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

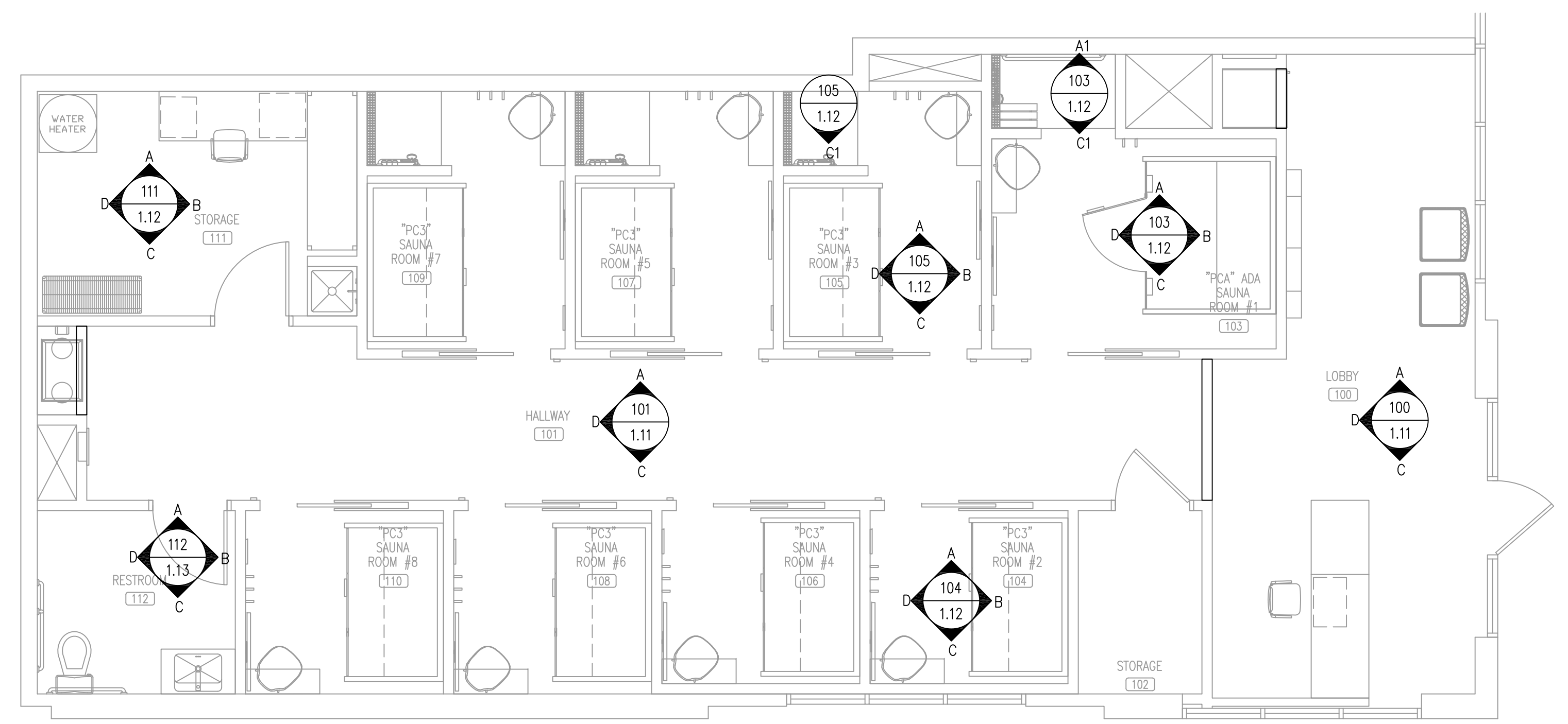
FURNITURE PLAN

SHEET No.
1.10

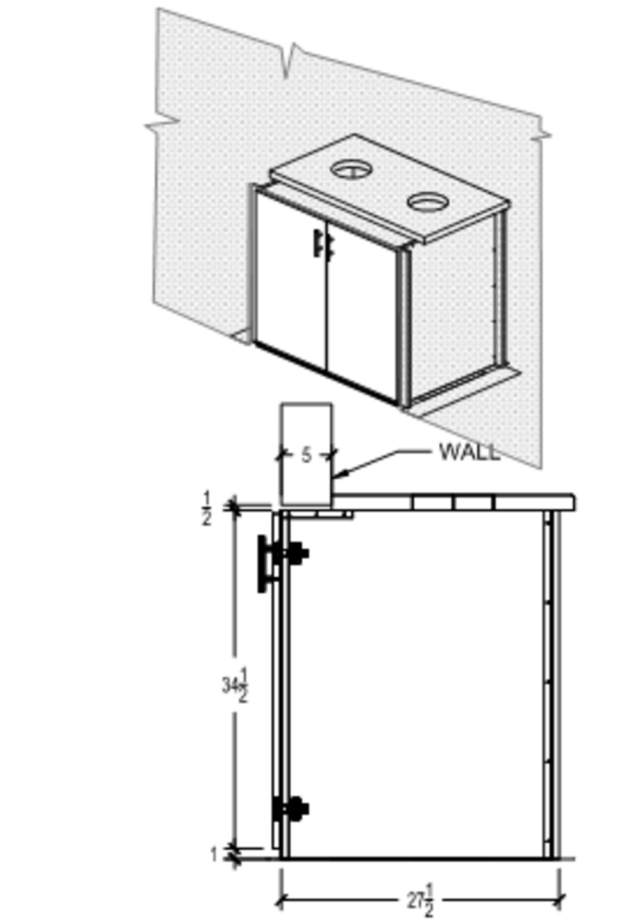
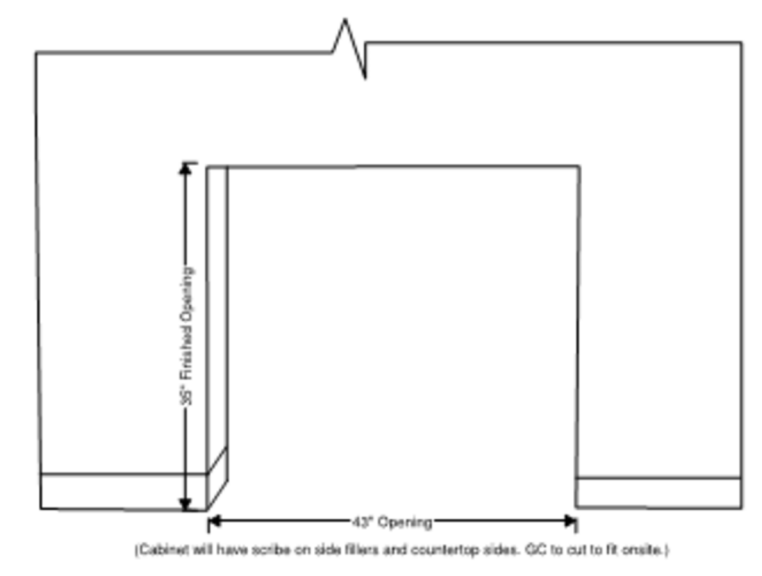
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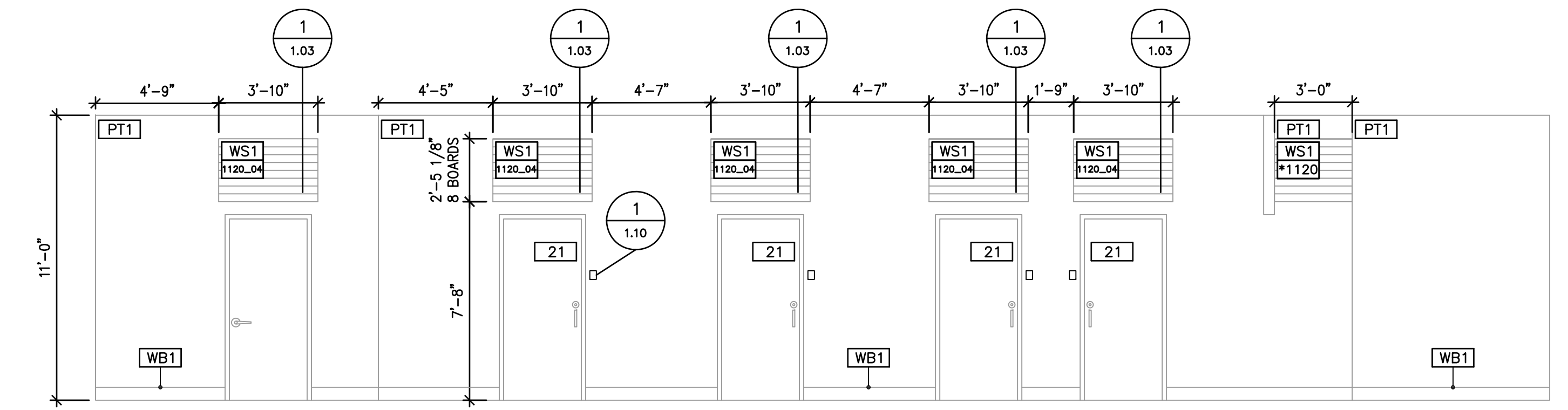
ENGINEERING AND DESIGN PLLC
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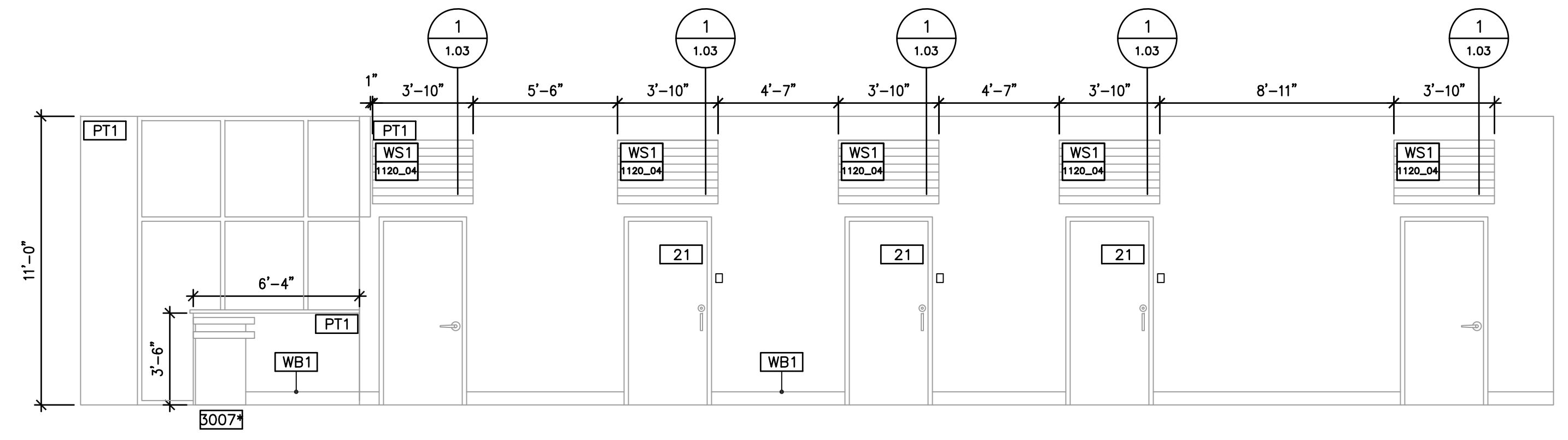
① INTERIOR ELEVATIONS PLAN
 SCALE: 1/4"=1'-0"



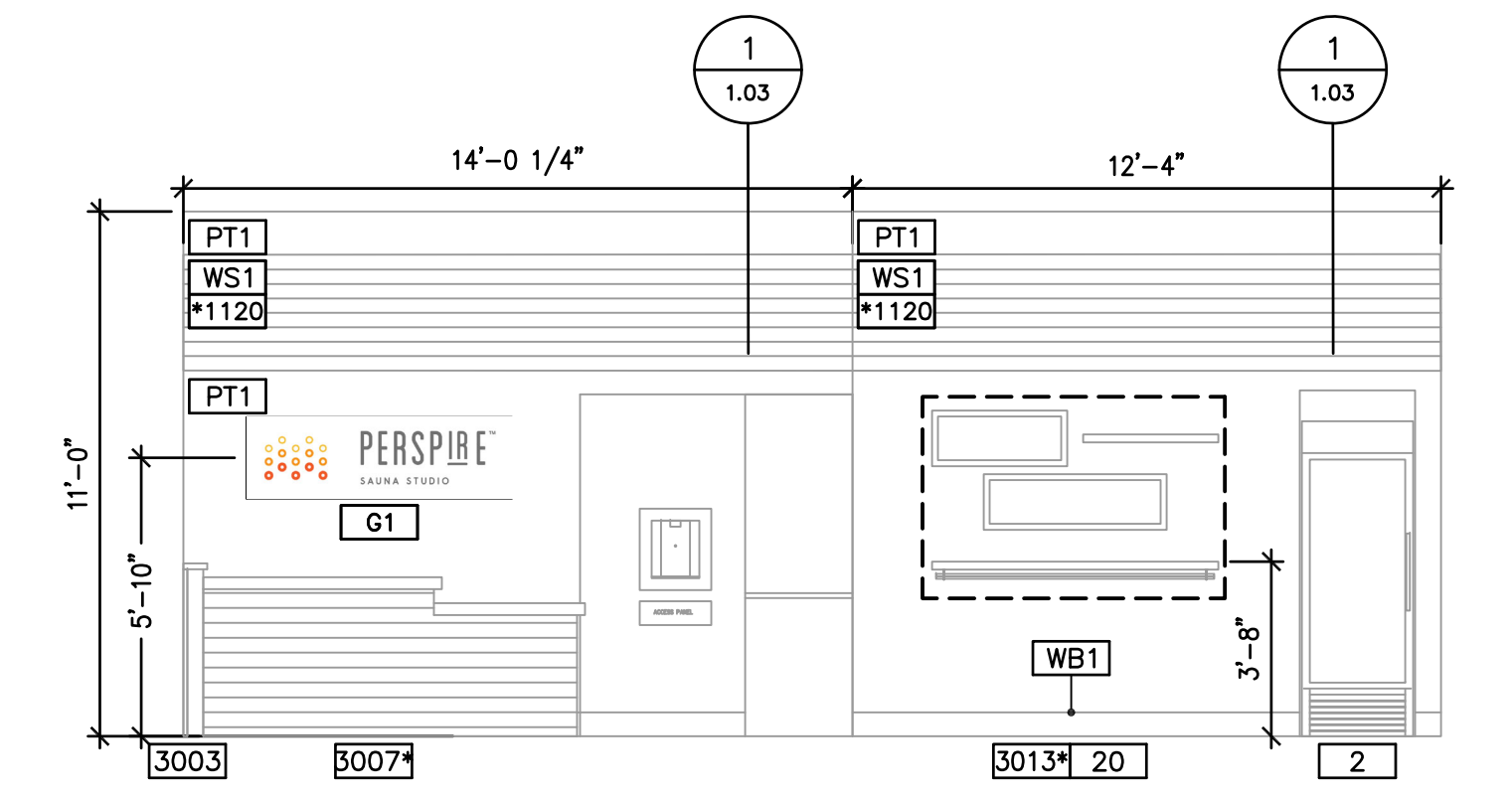
① TOWEL DROP DETAIL
 N.T.S.



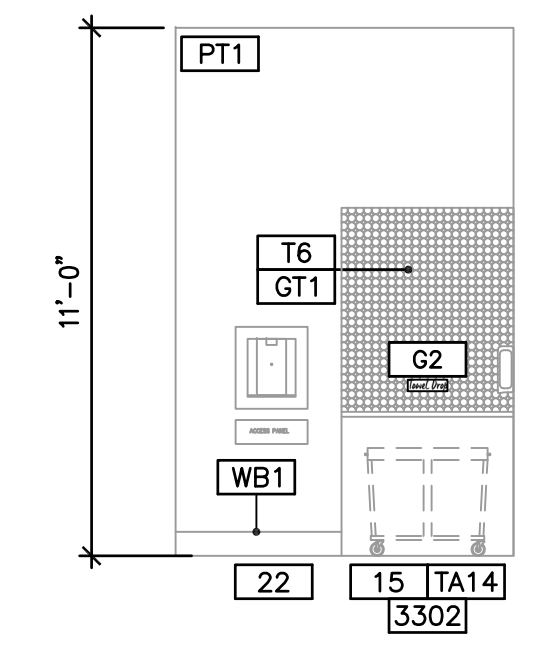
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 SCALE 1/4"=1'-0"



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



D LOBBY - 100
 SCALE 1/4"=1'-0"



D HALLWAY - 101
 SCALE 1/4"=1'-0"

BIDDING QUESTIONS CONTACT 920-757-1486

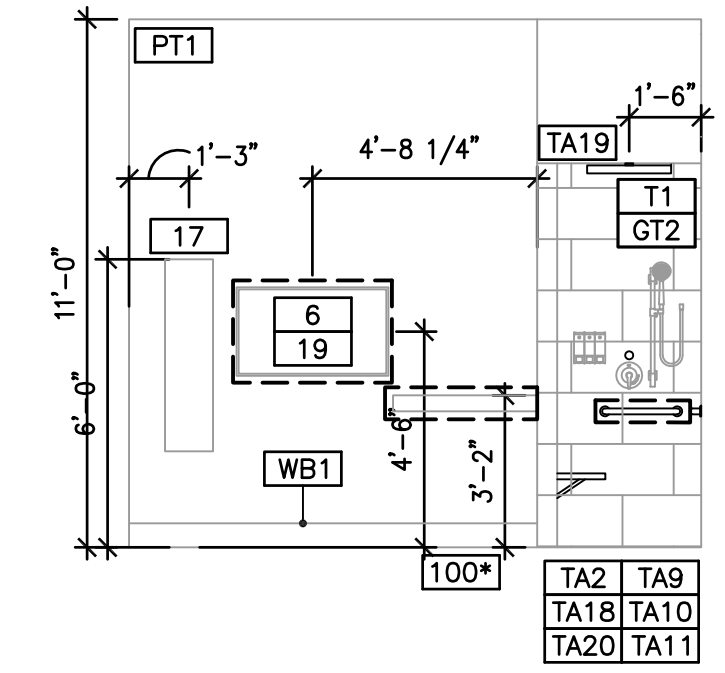
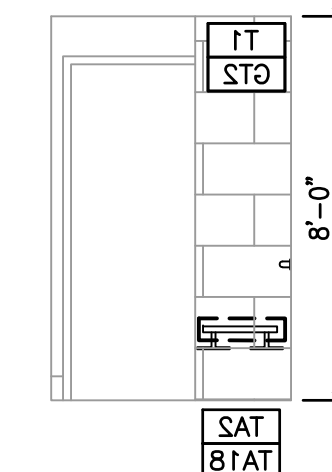
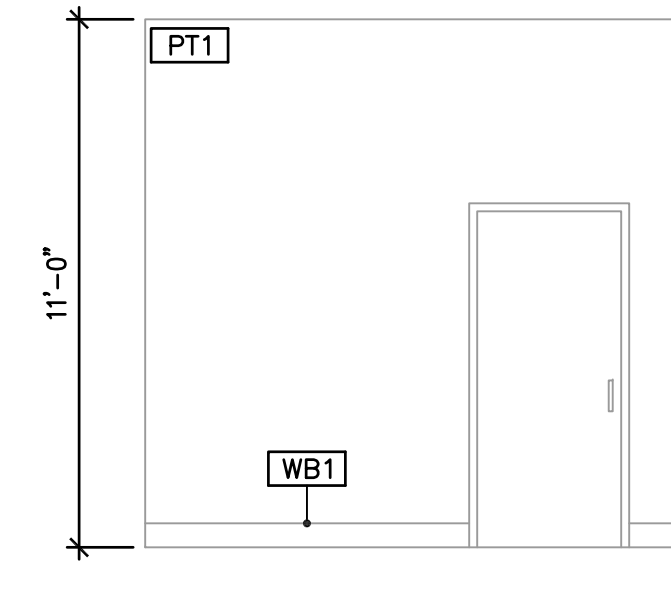
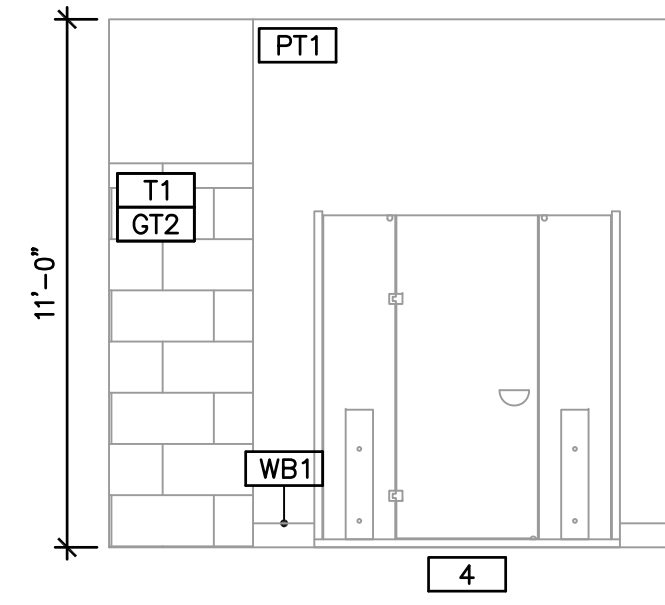
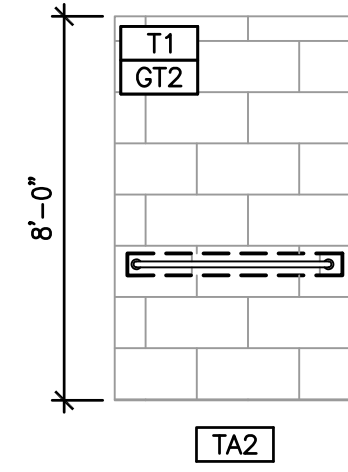
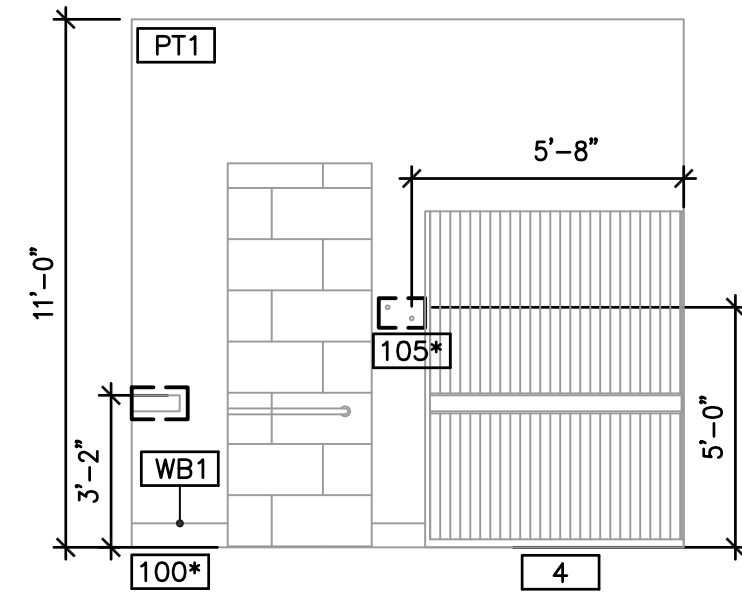
PERSPIRE
 SAUNA STUDIO
 830 SKY VISTA POINT
 SUITE 100
 COLORADO SPRINGS, COLORADO 80921

CHECKED BY: Staff
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 DATE: JUNE 17, 2024
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 PROJECT No.: PSS 2417
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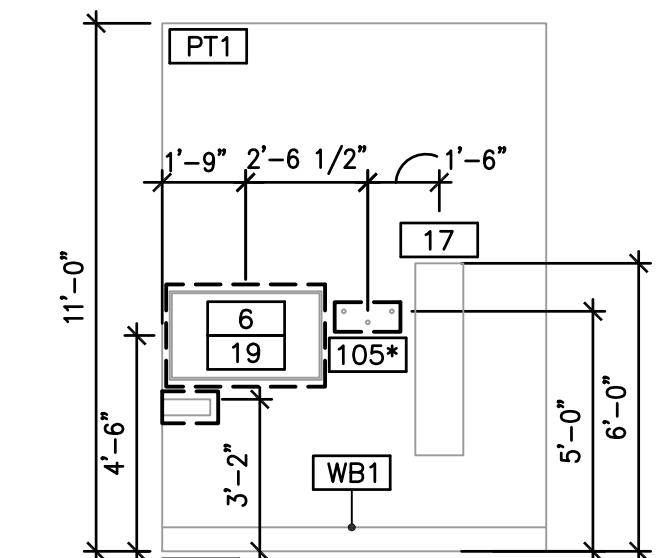
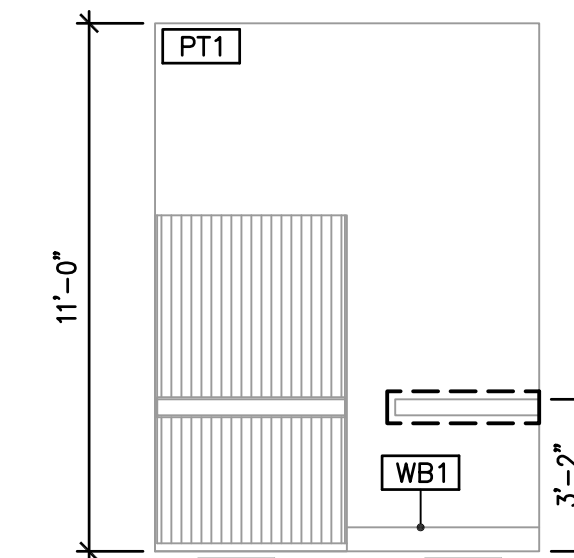
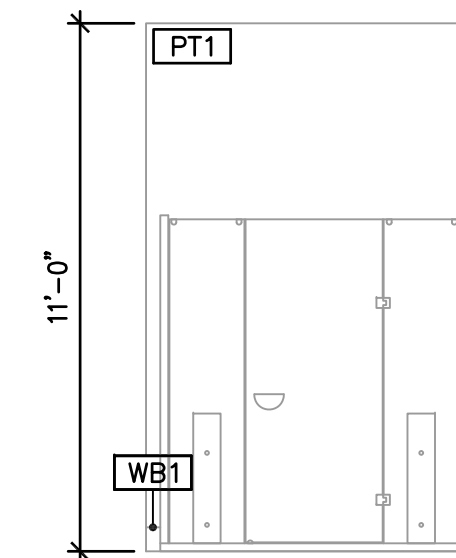
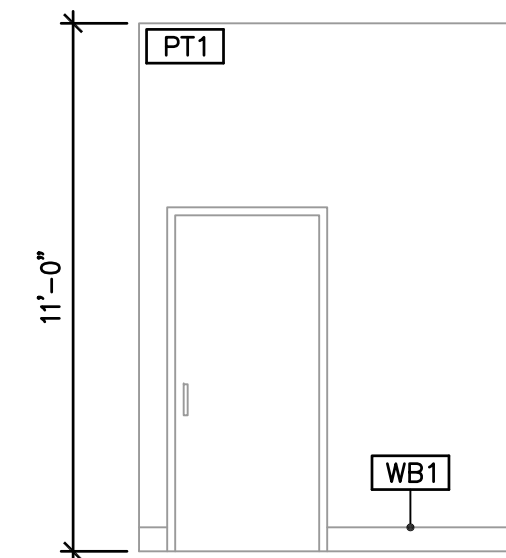
INTERIOR ELEVATIONS

SHEET No.

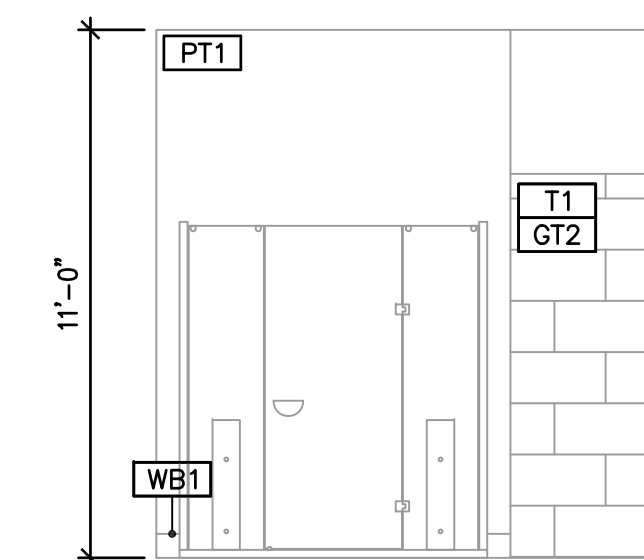
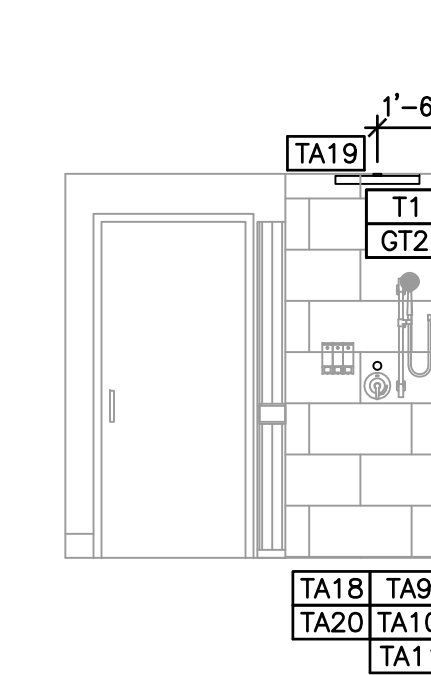
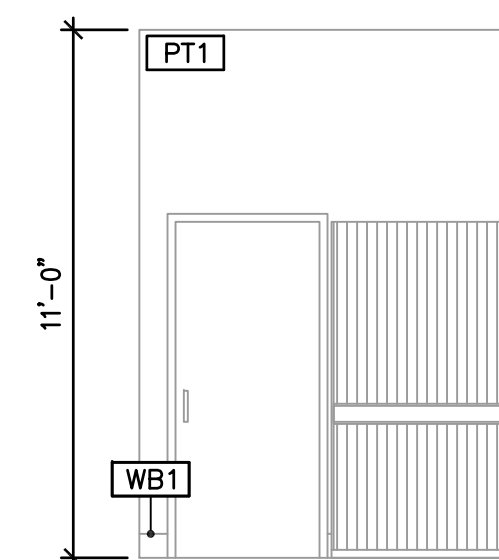
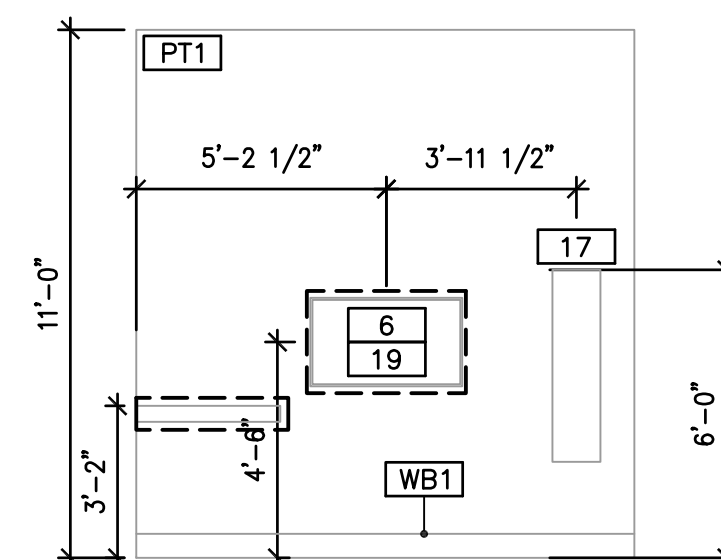
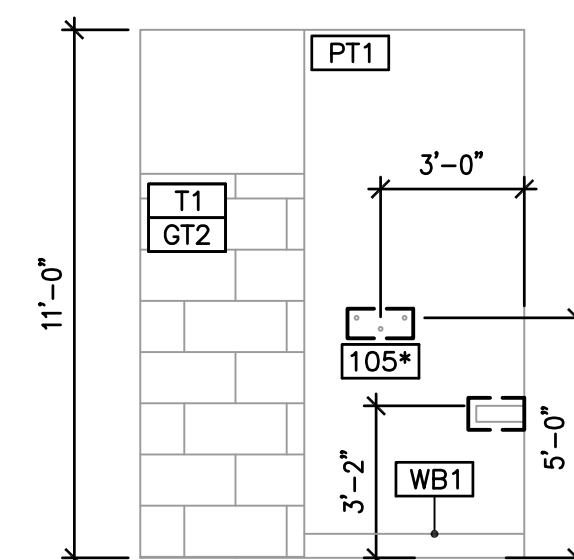
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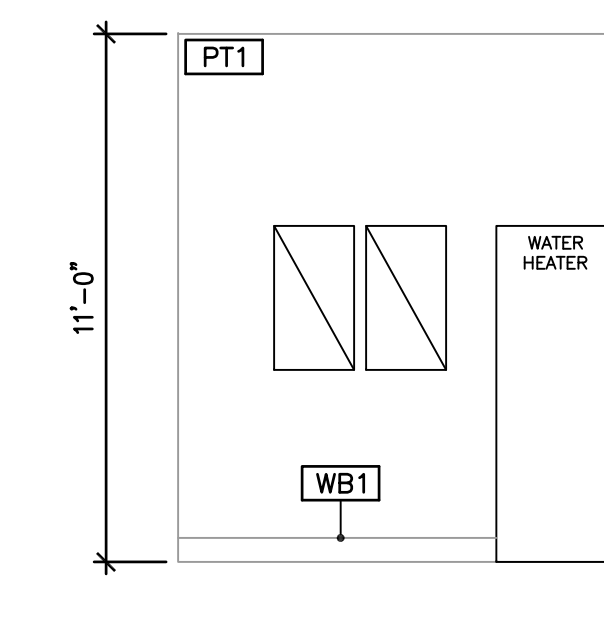
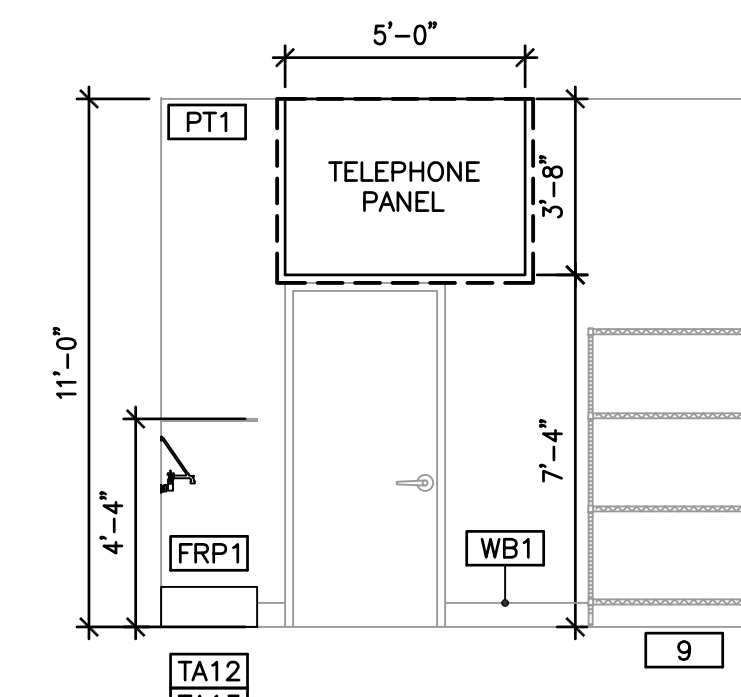
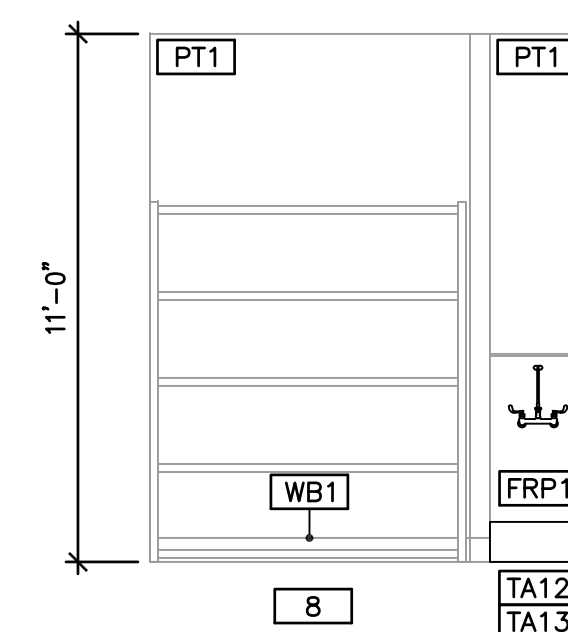
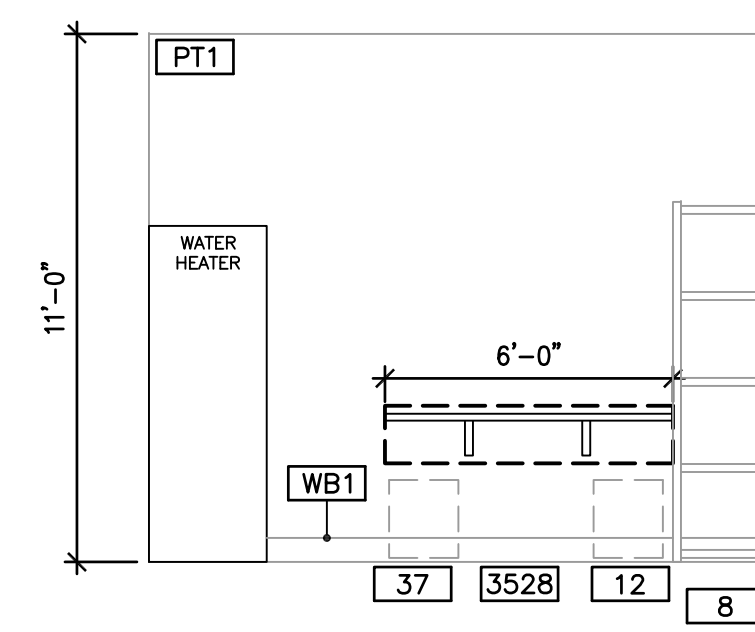
A A1 B C C1 D ADA SAUNA ROOM #4 (TYPICAL "PCA" SAUNA ROOM) - 103 - WITH SHOWER
SCALE 1/4"=1'-0"



A B C D SAUNA ROOM #1 (TYPICAL "PC3" SAUNA ROOM) - 104
SCALE 1/4"=1'-0"



A B C C1 D SAUNA ROOM #5 (TYPICAL "PC3" SAUNA ROOM) - 105 - WITH SHOWER
SCALE 1/4"=1'-0"



A B C D STORAGE - 111
SCALE 1/4"=1'-0"

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FIRM 23179



PERSPIRE
SAUNA STUDIO
830 SKY VISTA POINT
SUITE 100
COLORADO SPRINGS, COLORADO 80921

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

INTERIOR ELEVATIONS

SHEET No.

1.12

BIDDING QUESTIONS CONTACT 920-757-1486

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.

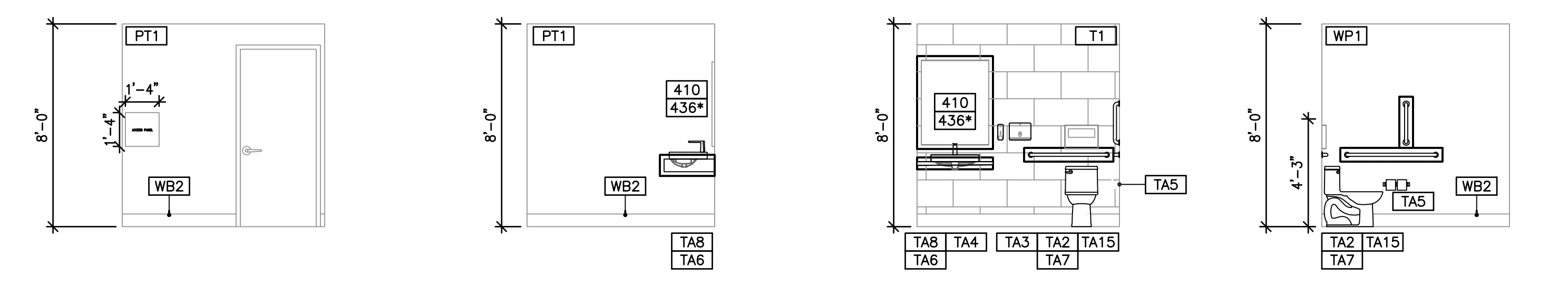
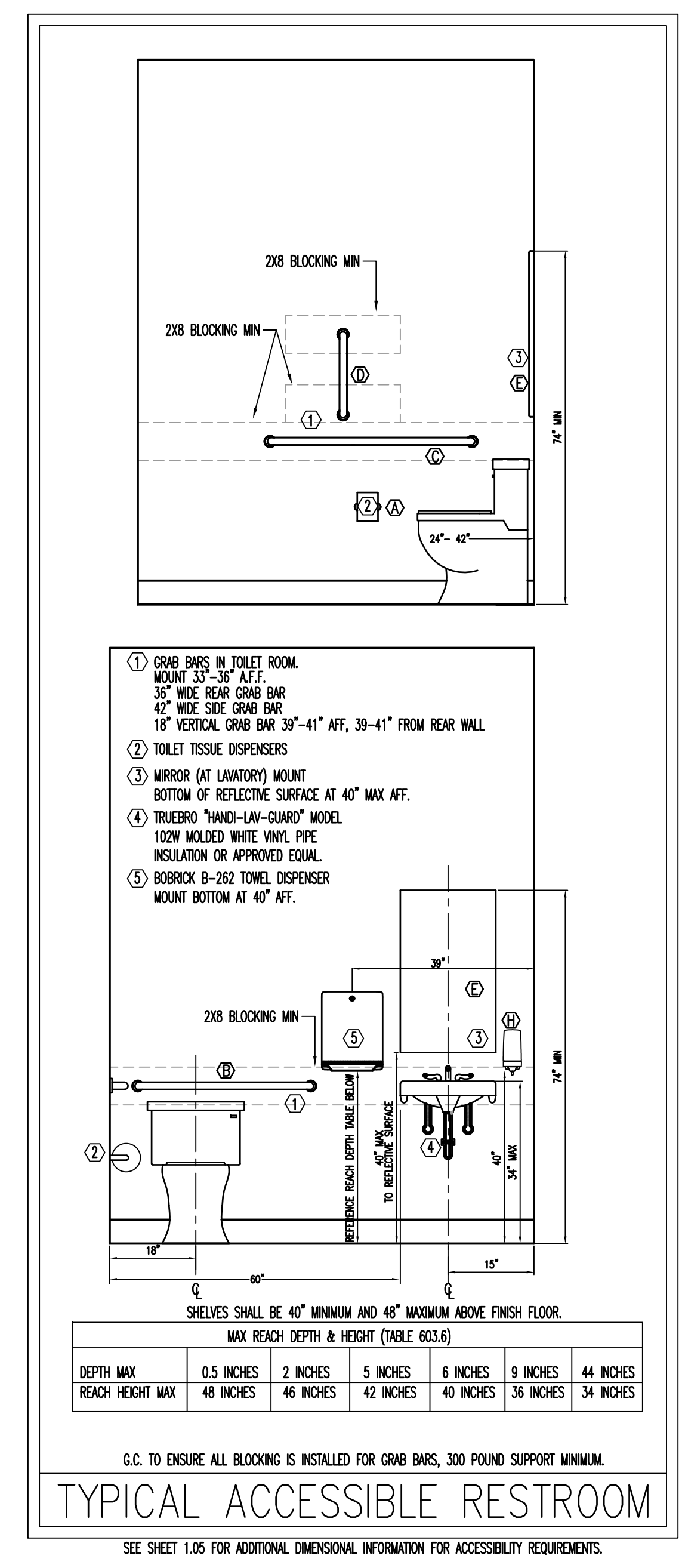
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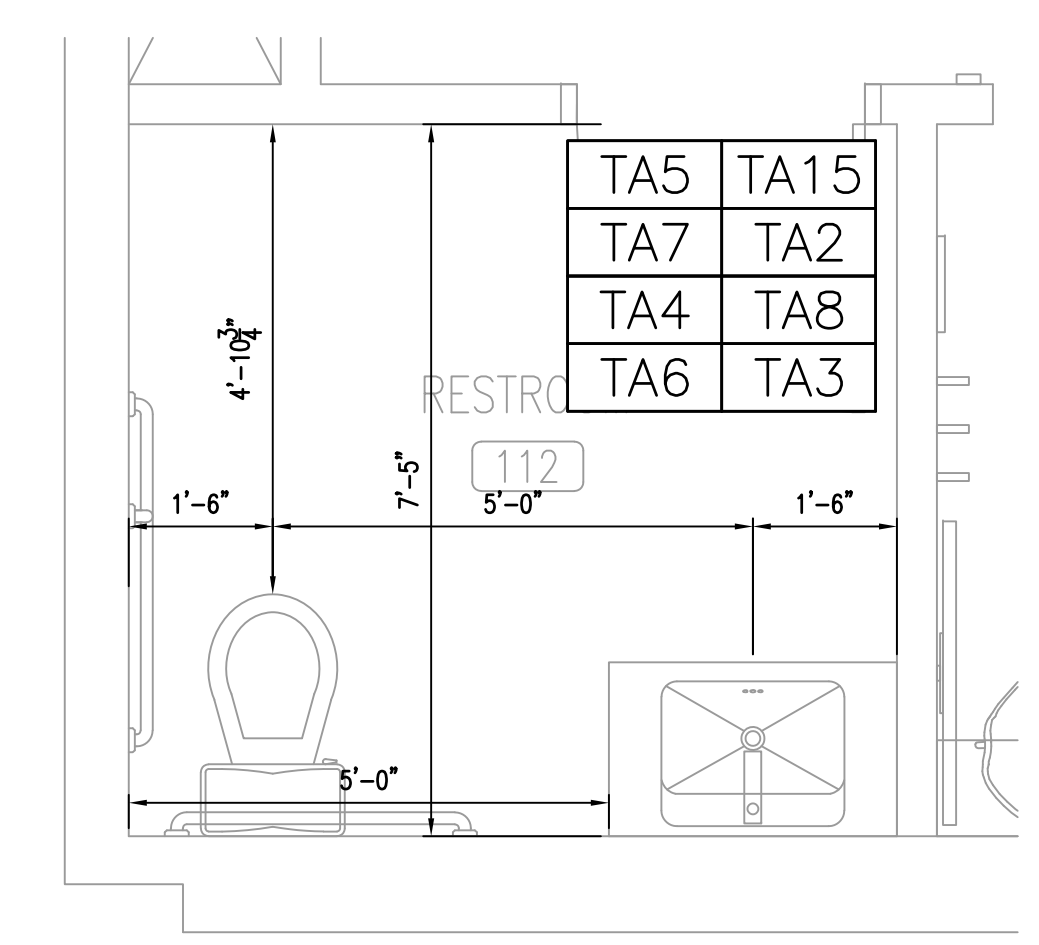
PERSPIRE – TOILET ACCESSORIES							
ITEM#	DESCRIPTION	MANUFACTURER	PRODUCT SERIES	PRODUCT NUMBER	SUPPLIED BY	INSTALLED BY	NOTES
TA2	STAINLESS STEEL GRAB BARS	BOBRICK	B6806 SERIES	1-1/2" DIA WITH SNAP FLANGE	GC	GC	36", 42", AND 18" LENGTHS
TA3	WALL MOUNTED PAPER TOWEL DISP	CINTAS	SIGNATURE SERIES	STAINLESS 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



RESTROOM - 112
 SCALE 1/4"=1'-0"

RESTROOM ACCESSORIES		SUPPLIED AND INSTALLED BY G.C. UNLESS NOTED OTHERWISE.
(A)	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	
(G)	NOT USED	
(H)	SOAP DISPENSER - CINTAS - SIGNATURE SERIES -STAINLESS STEEL/SILVER	



ENLARGED RESTROOM
 SCALE: 1/2"=1'-0"

BIDDING QUESTIONS CONTACT 920-757-1486

PERSPIRE
 SAUNA STUDIO
 830 SKY VISTA POINT
 SUITE 100
 COLORADO SPRINGS, COLORADO 80921

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

TOILET ROOM ELEVATIONS

SHEET No.

1.13

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 ALTERED.
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 CABINETY AND APPLIANCES AS WELL AS THE REMOVAL OF PACKAGING FOR THE NEW CABINETY 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:
 1. VISUAL QUALITY AS DIRECTED BY THE TENANT
 2. 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.
4. EXTERIOR OF BUILDING - INSPECT EXTERIOR SURFACES AND REMOVE ALL WASTE MATERIALS, PAINT DROPPINGS, SPOTS, STAINS OR DIRT.
5. INTERIOR OF BUILDING - INSPECT INTERIOR SURFACES AND REMOVE ALL WASTE MATERIALS, PAINT, DROPPINGS, SPOTS, STAINS OR DIRT.
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

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.

METALS

1. PROVIDE ALL MISCELLANEOUS METAL ITEMS NOT LIMITED TO THE FOLLOWING TO COMPLETE THE WORK:
 1. NAILS, SCREWS AND BOLTS.
 2. REINFORCING BARS.
 3. 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:
 - AMERICAN INSTITUTE OF TIMBER CONSTRUCTION: STANDARD MANUAL.
 - NATIONAL FOREST PRODUCTS ASSOCIATION
 - SOUTHERN PINE INSPECTION BUREAU
 - TRUSS PLATE INSTITUTE
 - 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.
2. 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. C.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

ENGINEERING AND DESIGN PLLC
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Web Address: emrengineers.com
FIRM 23179



PERSPIRE
SAUNA STUDIO
830 SKY VISTA POINT
SUITE 100
COLORADO SPRINGS, COLORADO 80921

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

SPECIFICATIONS

SHEET No.

1.14

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

ISSUED / REVISIONS:

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 FIRM 23179



	TYPE	DESCRIPTION	MANUFACTURER	MODEL NO.	LAMPS
A	A	6" RECESSED CAN	LITHONIA	LDN6 35/15 LOWWR LSS MVOLT EZ10 +11"-0" AFF IN GRID/GYP DAMP LOCATION FOR SHOWER ONLY	LED 13 WATTS DIMMABLE
B	B	4" RECESSED WALLWASH	HALO	H451CTIE-ELG406-9-35-WH +11"-0" AFF	LED 13 WATTS DIMMABLE
C	C	24" DRUM LIGHT (13" HIGH)	VISUAL COMFORT AND COMPANY	65262-962-BN-FAUX SILK FABRIC SHADE 120-13H-24D +8"-11" AFF. INSTALL WITH (1) 12" MANUFACTURER SUPPLIED ROD.	LED 9.5 WATTS TYPE A19 97502S FROSTED 3000K DIMMABLE 4 X 9.5 = 38 WATTS
D	D	14" DRUM LIGHT	VISUAL COMFORT AND COMPANY	77262-962 SHADE: FAUX SILK FINISH: BRUSHED NICKEL (962) +7"-3" AFF	LED 9.5 WATTS TYPE A19 97502S FROSTED 3000K DIMMABLE 2 X 9.5 = 19 WATTS
E	E	WALL MIRROR (BACKLIT)	FCDADSON	CUSTOM +3"-2" AFF TO BOTTOM OF MIRROR	LED 20 WATTS
G	G	4" RECESSED CAN	LITHONIA	LDN4 35/15 L04 DOWNLIGHT WR LSS MVOLT EZ10 LED MOUNTED IN CEILING	LED 10 WATTS DIMMABLE
H	H	2'x4' LAYN LED TROFFER	LITHONIA	2BLT4 2X4 BLT, 40L 4000, ADP EZ1, PB35 82CR 3500K (DIMMABLE)	34W LED
RH	RH	EXTERIOR REMOTE EMERGENCY HEAD	BEST	RHLED1-WP	INTEGRAL
EM	EM	EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP WALL MOUNTED 12" BELOW CEILING. MAX 108" AFF	BEST	LEDR1	INTEGRAL
EX/EM	EX/EM	COMBINATION EXIT / EMERGENCY LIGHT FIXTURE WITH 90 MINUTE BATTERY BACKUP	BEST	CXTEU2GWR	INTEGRAL
EX	EX	EXIT LIGHT FIXTURE WITH 90 MINUTE BATTERY BACKUP	BEST	EXTEU2GW-EM	INTEGRAL

NOT ALL FIXTURES ARE NECESSARILY IN USE. LIGHT SWITCHES/CONTROLS TO BE MOUNTED AT 48" A.F.F. TO CENTER OF CONTROL LIGHT FIXTURES, OCCUPANCY SENSORS AND DIMMERS (ALL CONTROLS) SUPPLIED BY GC/EC.
 WALL MIRROR BY FCD, INSTALLED BY GC/EC

SHEET NOTES

- E.C. COORDINATE ALL FINAL SIGNAGE LOCATIONS 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.
- 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 60" AFF.
- 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.

SWITCH DESIGNATIONS

ALL CONTROLS RATED FOR 20 AMPS. ALL SWITCHED AND RECEPT TO BE WHITE

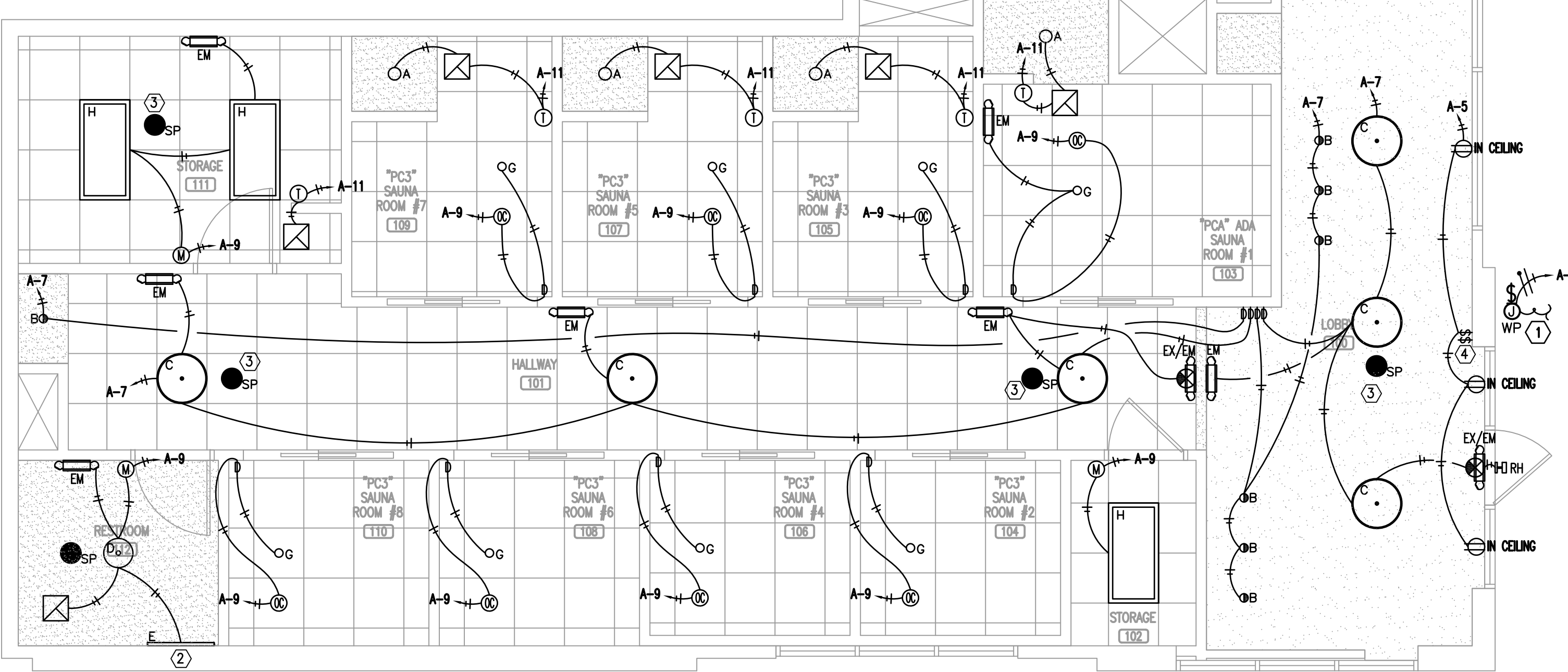
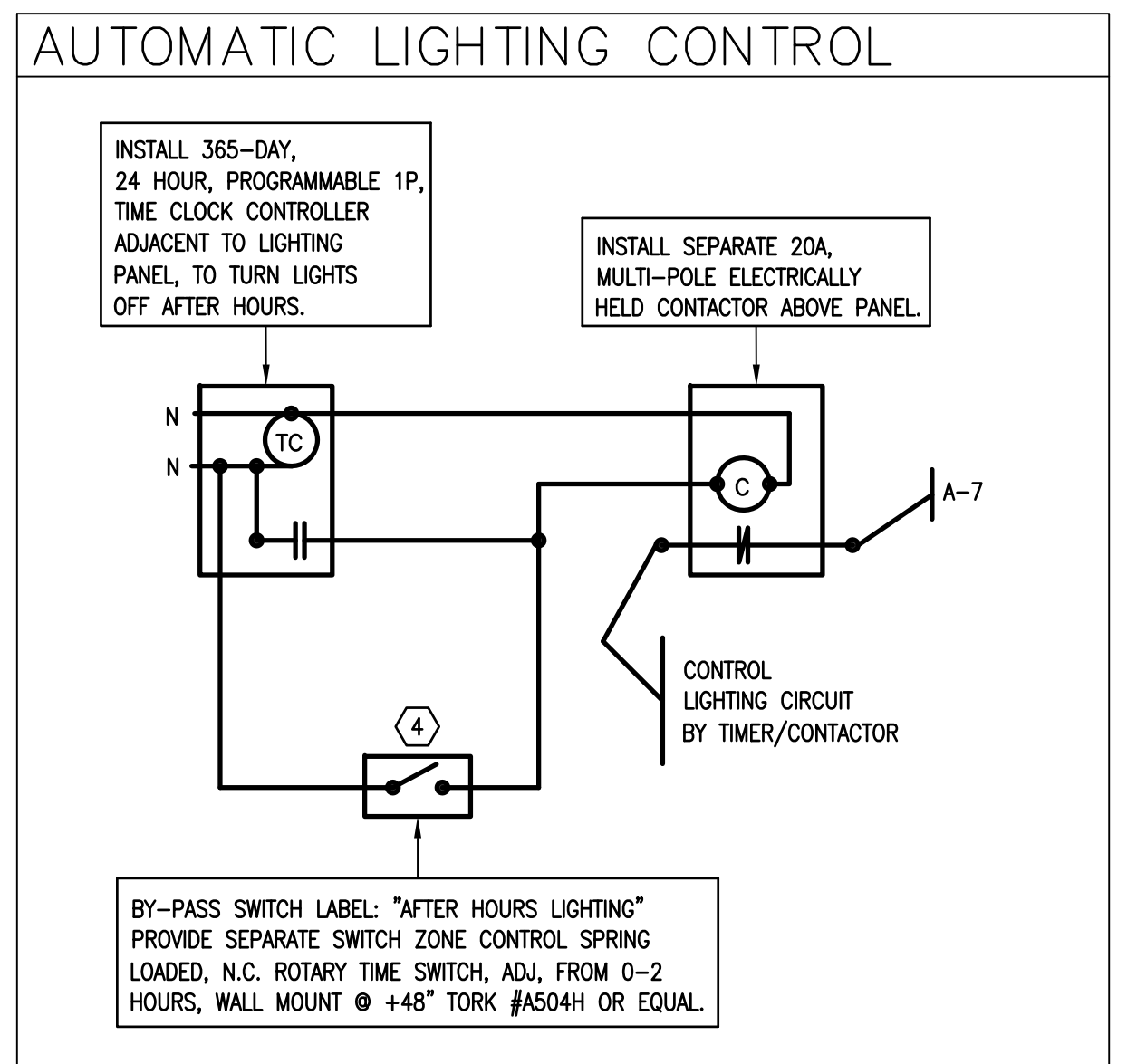
- § STANDARD LIGHT SWITCH LUTRON CLARO
- 3§ 3 WAY LIGHT SWITCH LUTRON CLARO
- ⊕ SLIDE DIMMER SWITCH LUTRON DIVA LED+ DIMMER SWITCH FOR DIMMABLE LED SINGLE-POLE WHITE.
- 3⊕ 3 WAY SLIDE DIMMER SWITCH LUTRON DIVA LED+ DIMMER SWITCH FOR DIMMABLE LED, 3-WAY, WHITE.
- # MUSIC VOLUME CONTROL TO MATCH LUTRON CLARO
- Ⓜ CEILING MOUNTED OCCUPANCY SENSOR CONTROL WITH INTEGRAL ADJUSTABLE TIMER. SET TO MAX 20 MINUTES.
- Ⓜ OCCUPANCY / MOTION SENSOR CONTROL WITH INTEGRAL ADJUSTABLE TIMER. SET TO MAX 20 MINUTES.
- PER IECC C405.2.1.1, OCCUPANT SENSOR CONTROL FUNCTION SHALL AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES AFTER ALL OCCUPANTS HAVE LEFT THE SPACE AND BE MANUAL ON OR CONTROLLED TO TURN ON LIGHTING TO NOT MORE THAN 50% POWER.
- Ⓜ CEILING MOUNTED DAY LIGHTING SENSOR CONTROL
- Ⓜ ADJUSTABLE WALL TIMER, MAXIMUM 20 MINUTES

GENERAL LIGHTING NOTES

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

CONTROL WIRING

ELECTRICAL CONTRACTOR SHALL ENSURE RECEIPT OF CONTROL DEVICE WIRING SCHEMATICS FROM MANUFACTURER / SUPPLIER OF LIGHTING FIXTURES. E.C. SHALL BE RESPONSIBLE FOR ALL LOW VOLTAGE WIRING REQUIRED TO PROVIDE COMPLETE AND OPERABLE DIMMING / CONTROL SYSTEMS FOR ALL LIGHTING.



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

BIDDING QUESTIONS CONTACT 920-757-1486

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

ELECTRICAL LIGHTING PLAN

SHEET No.

2.01

PERSPIRE SAUNA STUDIO
 830 SKY VISTA POINT
 SUITE 100
 COLORADO SPRINGS, COLORADO 80921

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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 FIRM 23179



SHEET NOTES

- 1) RECEPTACLE ABOVE CEILING FOR WIRELESS HUB. G.C./E.C. TO PROVIDE AND INSTALL ADDITIONAL SHELF ABOVE CEILING FOR HUB.
- 2) 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.
- 3) NOT USED
- 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.
- 5) 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.
- 7) MAINTAIN EXISTING DEMISING WALL FIRE RATING (IF 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.

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

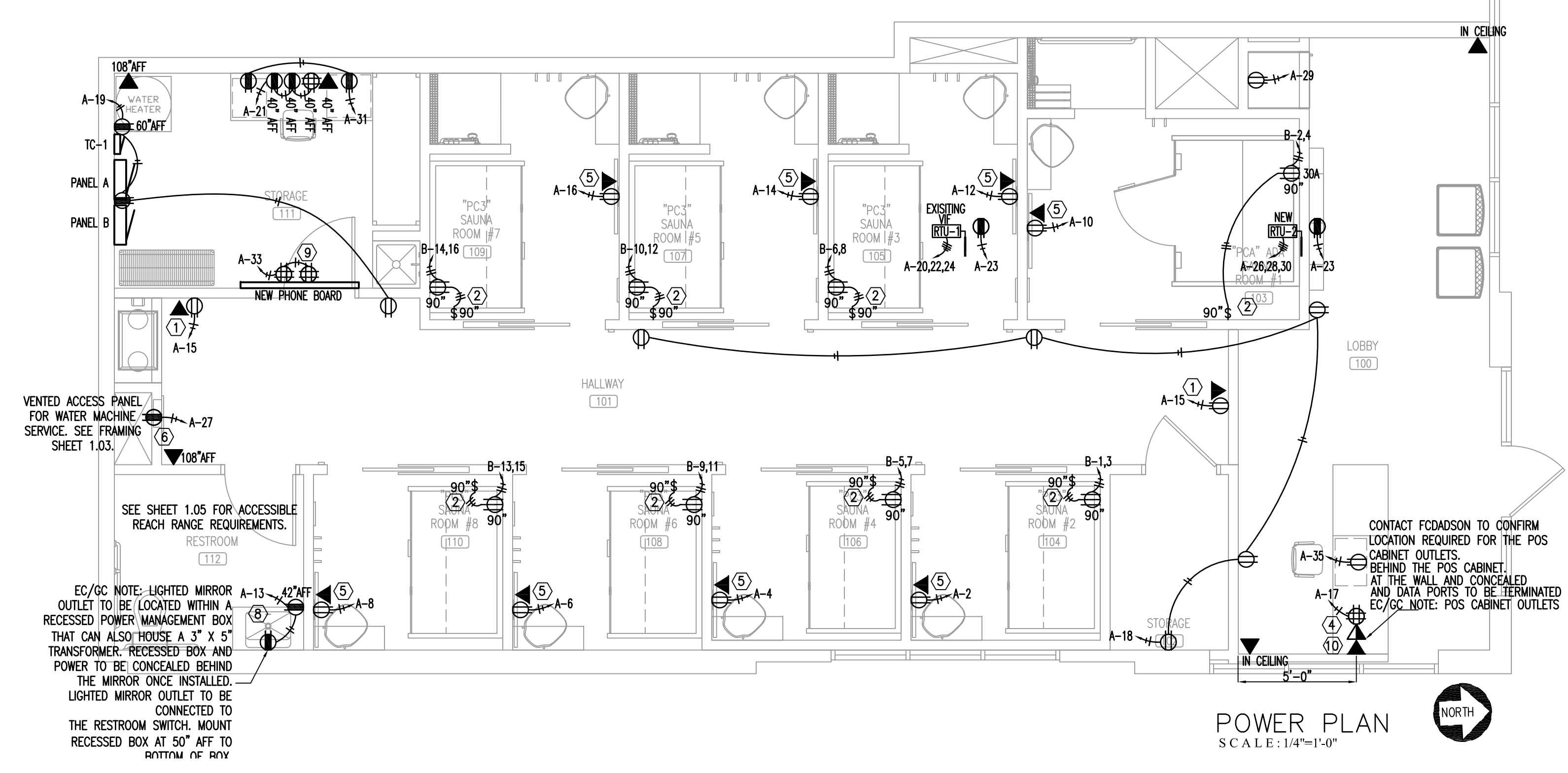
1. BRANCH CIRCUIT WIRING SHALL BE AS FOLLOWS:
 - A. LIGHTING AND POWER NETWORKS: (120/208V, 3Ø, 4W)
 - 1) 100 FEET OR LESS:
 - PHASE - 3#12 AWG
 - NEUTRAL - 1#12 AWG
 - GROUND - 1#12 AWG
 - 2) GREATER THAN 100 FEET: INCREASE ALL CONDUCTORS BY ONE WIRE GAUGE SIZE.
 - 3) TWO NETWORKS MAXIMUM PER CONDUIT.
 - B. 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" G1S 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 GROUND TYPE (WHITE) FOR SAUNA VERIFY FINAL CONNECTION WITH MANUFACTURER INSTALLATION MANUAL.
	RECEPTACLE, 30A, 208V, SINGLE PHASE NEMA 6-30P WIRE GROUND TYPE (WHITE) FOR SAUNA VERIFY FINAL CONNECTION WITH MANUFACTURER INSTALLATION MANUAL.
	DUPLEX RECEPTACLE, 20A, 120V, 3 WIRE GROUND TYPE (WHITE)
	DOUBLE DUPLEX RECEPTACLE OUTLET, MTD., IN 2-GANG BOX W/SINGLE COVER PLATE (WHITE) ALL POWER WITHIN 6'-0" OF WATER SOURCE TO BE GFCI RATED.
	GFCI DUPLEX RECEPTACLE, 20A, 120V, 3 WIRE GROUND 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 SEPARATE RUNS) (RJ45) (CAT5E OR BETTER)



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

PERSPIRE
SAUNA STUDIO

830 SKY VISTA POINT
SUITE 100
COLORADO SPRINGS, COLORADO 80921

BIDDING QUESTIONS CONTACT 920-757-1486

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

SHEET No.
2.02

COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information

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

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

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	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
Total Allowed Watts =			1116

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture Watt.	D E (C X D)
Select Area Category... (0 sq. ft.)			
LED: C: LED PENDANT: LED A Lamp 9W:	4	3	38
LED: C: LED PENDANT: LED A Lamp 9W:	4	4	38
CORRIDOR (Common Space Types: Corridor/Transition <8 ft wide, 310 sq.ft.)			
LED: H: 2x4 LED: LED Panel 33W:	1	4	34
STORAGE (Common Space Types: Storage >=50 - <=1000 sq.ft., 300 sq.ft.)			
LED: H: 2x4 LED: LED Panel 33W:	1	4	34
SAUNA (Common Space Types: Office - Enclosed, 590 sq.ft.)			
LED: G: LED DOWNLIGHT: LED PAR 10W:	1	9	10
LED: LED PAR 13W:	1	2	13
RECEPTION (Common Space Types: Lobby - General, 290 sq.ft.)			
LED: C: LED PENDANT: LED A Lamp 9W:	4	3	38
LED: B: LED DIRECTIONAL DOWNLIGHT: LED PAR 10W:	1	6	13
RESTROOM (Common Space Types: Restrooms, 67 sq.ft.)			
LED: D: LED PENDANT: LED A Lamp 9W:	4	1	19
OFFICE (Common Space Types: Office - Enclosed, 80 sq.ft.)			
LED: H: 2x4 LED: LED Panel 33W:	1	2	34
Total Proposed 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
C405.2.3 [EL22] 1	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 [EL18] 1	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, 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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 [EL19] 2	Occupancy sensors control function in warehouses: In warehouses, the lighting in aislesways 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 time-switch.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.1 [EL20] 3	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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.2 [EL21] 1	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> 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
 Data filename: Page 4 of 6

Interior Lighting TBD: Invalid building use type

Project Title: Perspire Sauna Studio Denver Colorado Report date: 10/19/23
 Data filename: Page 2 of 6

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.4 [EL23] 1	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.7 [EL26] 1	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.8 [EL27] 1	Electric motors meet the minimum efficiency requirements of Tables C405.7 (1) through C405.7 (4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.9.1 [EL28] 1	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.10 [EL29] 1	Total voltage drop across the combination of feeders and branch circuits <= 5%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.1.1 [EL30] 1	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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.11.1 [EL31] 1	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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

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

COMcheck Software Version COMcheckWeb
Inspection Checklist

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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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 3 of 6

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3 [F17] 1	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.1.1 [F15] 1	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5 [F16] 1	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.3 [F13] 1	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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 6 of 6

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

ISSUED / REVISIONS:

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

ENERGY COMPLIANCE

SHEET No.

2.04

BIDDING QUESTIONS CONTACT 970-757-1486

HEATING VENTILATING AND AIR-CONDITIONING

- THE FOLLOWING SPECIFICATIONS SHALL GOVERN WITH MODIFICATIONS AS SPECIFIED HEREIN: AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS (ASHRAE) HANDBOOK FUNDAMENTALS.
- 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.
- 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.
- 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.
- ALL DUCTS RUN THROUGH UNCONDITIONED SPACES (I.E. ATTICS, CRAWL SPACE) SHALL BE INSULATED (I.E. WRAPPED WITH R6 INSULATION).
- 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

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL AND OPERATE THE EXISTING HEATING AND COOLING SYSTEM.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED HVAC PERMITS.
- THE CONTRACTOR SHALL COMPLY WITH NFPA-90A AND ALL APPLICABLE CODES.
- CONTRACTOR SHALL PROVIDE ALL CONTACTORS, RELAYS AND THERMOSTATS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS, THERMOSTATS SHALL BE AS SPECIFIED.
- THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE THAT SHALL WARRANT ALL WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE CERTIFICATE OF OCCUPANCY.
- PROVIDE IONIZATION TYPE SMOKE DETECTORS 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.
- ALL HVAC WORK TO BE PERFORMED SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES.
- COORDINATE LOCATION OF ALL CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN TO PREVENT CONFLICT WITH LIGHTS AND ARCHITECTURAL ELEMENTS.
- PROVIDE TWO SETS OF FILTERS, MEVY 12 ONE DURING CONSTRUCTION AND ONE FOR USE AFTER OCCUPANCY.
- ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCES THAT MAY DELAY PROGRESS DURING CONSTRUCTION.
- ELECTRICALLY OPERATED EQUIPMENT AND COMPONENTS SHALL BE U.L. LISTED. GAS FIRED EQUIPMENT IF APPLICABLE SHALL BE A.G.A. LABELED.
- 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 COUNCIL STANDARDS. THREE COPIES OF THE TEST REPORT SHALL BE FURNISHED FOR REVIEW AND MUST BE APPROVED BEFORE OCCUPANCY.
- CONTRACTOR SHALL FURNISH SHOP DRAWINGS FOR DUCTWORK, AIR DEVICES, AND ALL EQUIPMENT.
- 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.
- CONTRACTOR SHALL INSTALL ALL NECESSARY OFFSETS, BENDS, AND TRANSITIONS REQUIRED TO PROVIDE A COMPLETE SYSTEM.
- CONTRACTOR SHALL INSTALL THERMOSTATS AT 48" ABOVE THE FINISHED FLOOR TO ANY OPERABLE COMPONENT. COORDINATE BOX LOCATIONS WITH THE ELECTRICAL CONTRACTOR.
- CONTRACTOR SHALL INSTALL TURNING VANES AT ALL RECTANGULAR DUCTWORK TEES AND 90° ELBOWS WITHIN MAIN TRUNK DUCTS.
- CONTRACTOR SHALL PROVIDE EQUIPMENT OF THE SCHEDULED CAPACITIES DESIGNED.
- 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 ULL 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.
- 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.
- RETURN DUCTS SHALL HAVE A MINIMUM 1" THICK, 1.5 PCF DENSITY INSULATION OR AS REQUIRED BY CURRENT ENERGY CODE.
- 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.
- 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 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.
- ALL ROUND TAKE-OFFS FROM RECTANGULAR DUCTS SHALL BE A "CREATIVE METALS, INC." SPIN-TITE FITTING, MODEL MS2 (SPIN-IN WITH SCOOP & DAMPER) OR APPROVED EQUAL.
- 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.
- 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.
- HVAC CONTRACTOR SHALL COORDINATE CONDENSATE DRAINS WITH PLUMBING CONTRACTOR.
- SIZE OF DUCT TAKE-OFFS TO CEILING DIFFUSERS AND SUPPLY GRILLES IS SAME AS AIR DEVICE NECK SIZE, UNLESS OTHERWISE NOTED.
- PROVIDE WHITE ON RED BACK GROUND ENGRAVED PLASTIC NAME PLATES WITH 1" LETTERING FOR ALL MECHANICAL EQUIPMENT, I.E. RTU-1, EF-1, ETC.
- PROVIDE MINIMUM CLEARANCE FOR ALL HVAC EQUIPMENT REQUIRED FOR PROPER MAINTENANCE.
- PRIME AND PAINT ALL OUTDOOR FERROUS MATERIALS WHICH WERE NOT PREVIOUSLY PAINTED.
- THE FOLLOWING SPECIFICATIONS SHALL GOVERN WITH MODIFICATIONS AS SPECIFIED HEREIN: AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS (ASHRAE) HANDBOOK FUNDAMENTALS.
- 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.
- 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.
- 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.
- 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).
- 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	NOM TONS	HEAT BTUH	ACFM	ESP	SEER	EER	EAT	LAT	VOLTS/Ø	MCA	MOCF	WEIGHT	MODEL #	MIN. %OA	ECONOMIZER	SMOKE SHUTDOWN	REMARKS
EXISTING RTU-1	4	130,000	1600	0.5	14.0	12	80/63	55	208/3Ø	26	35	767	TRANE YSC048G3RH	20%	YES	YES	SEE NOTES BELOW
NEW RTU-2	4	130,000	1600	0.5	14.0	12	80/63	55	208/3Ø	26	35	767	TRANE YSC048G3RH	20%	YES	YES	SEE NOTES BELOW

NOTES:

- PROVIDE PROGRAMMABLE THERMOSTAT
- PROVIDE HAIL GUARDS, FILTERS, AND 14" ROOF CURB (CONTRACTOR MAY PROVIDE ADAPTOR CURB AT THEIR DISCRETION)
- FILL CURB W/ ALTERNATING LAYERS OF 3/2" FIBERGLASS BATT INSULATION AND 3/4" GYPSUM BOARD. COMPLETELY SEAL AROUND SUPPLY AND RETURN DUCT PENETRATING THRU ROOF DECK. ALL ROOF WORK BY LANDLORD APPROVED ROOFER AT TENANT GC EXPENSE.

THERMOSTATS

HONEYWELL TO THERMOSTAT AND REMOTE SENSORS
 (1) - THERMOSTAT MOUNTED AT 48" AFF
 (2) - REMOTE SENSOR MOUNTED AT 66" AFF
 PROGRAM AND TRAIN OWNER ON PROGRAMMING

INSTALLATION CRITERIA

MECHANICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND MODIFY AS REQUIRED TO DISTRIBUTE AIR WITHIN THE SPACE AS SHOWN ON PLAN.

SUPPLY AND RETURN DUCTWORK SHALL BE INSTALLED TO MEET 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 WARRANTY OF ALL WORK.

MAIN TRUNK SUPPLY DUCT WITH NO AIR DIFFUSERS NOT TO EXCEED 1000 FEET PER MINUTE VELOCITY.

ALL SUPPLY BRANCH AND RETURN DUCTWORK SHALL BE INSTALLED NOT TO EXCEED 500 FEET PER MINUTE VELOCITY.

DISTRIBUTION SUPPLY / RETURN DUCT WITH AIR DIFFUSERS /GRILLS NOT TO EXCEED 500 FEET PER MINUTE VELOCITY.

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

PROVIDE SMOKE DETECTORS FOR UNIT SHUTDOWN AS REQUIRED BY CODE.

GRILLE, REGISTER & DIFFUSER SCHEDULE

MARK	MFGR.	MODEL	NECK VELOCITY FPM (MAX)	DEVICE SIZE	AIR PATTERN	MOUNTING	TYPE
S-1 XX	TITUS	TMS	300	24" X 24"	ALL-WAY	PER PLAN	SUPPLY
S-2 XX	TITUS	FL-20	300	10" X 48"	(2) 2" SLOT 10" INLET	SURFACE	SUPPLY
S-3 XX	TITUS	TMS	300	12" X 12"	ALL WAY	PER PLAN	SUPPLY
R-1 XX	TITUS	50F	400	24" X 24"	ALL WAY HORIZONTAL	PER PLAN	RETURN
R-2 XX	TITUS	50F	300	12" X 12"	ALL WAY	PER PLAN	RETURN
R-3 XX	TITUS	50F	300	24" X 12"	ALL WAY	PER PLAN	RETURN

NOTES:

- MOUNTING FRAMES SHALL BE COMPATIBLE WITH CEILING TYPE.
- PROVIDE OPPOSED BLADE DAMPER WITH EXTENDED LEVER ARM THROUGH FACE OF DIFFUSER.
- PROVIDE FACTORY WHITE FINISH.
- ALL CEILING DIFFUSERS ARE ALL WAY DISCHARGE UNLESS NOTED OTHERWISE.
- DUCT RUNOUTS ARE SIZED PER THE NECK OF THE DIFFUSER.
- ALL DIFFUSERS SHALL HAVE DAMPERS FOR BALANCING. IF NOT IN FACE OF DIFFUSER, INSTALL IN ACCESSIBLE DUCT.
- NO ALTERNATES ACCEPTED.

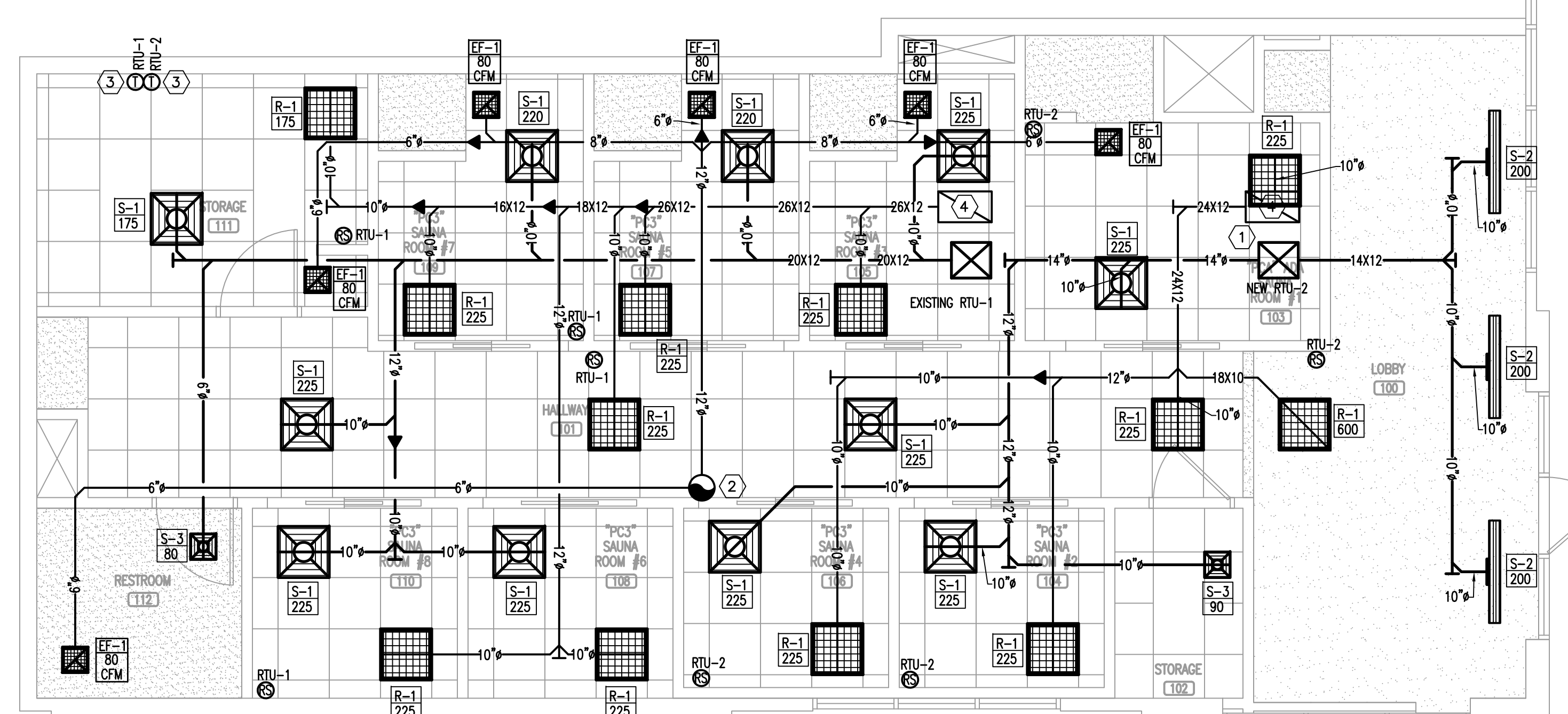
DIFFUSER NECK SIZING	CFM	TYPE
0-99 CFM	6"	
100-175 CFM	8"	
176-275 CFM	10"	
276-400 CFM	12"	

Table 403.3.1.1 Minimum Ventilation Requirements RTU-1

OCCUPANCY CLASSIFICATION	OCCUPANCY DENSITY PER 1000 SF	SQUARE FOOTAGE	TOTAL OCCUPANCY	CFM PER PERSON	OUTDOOR AIR REQ'D	OUTDOOR AIR REQ'D PER SF	OUTDOOR AIR REQ'D	TOTAL O/A REQUIRED (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 O/A REQ'D	87 SET AHU-1 TO 90 CFM

Table 403.3.1.1 Minimum Ventilation Requirements RTU-2

OCCUPANCY CLASSIFICATION	OCCUPANCY DENSITY PER 1000 SF	SQUARE FOOTAGE	TOTAL OCCUPANCY	CFM PER PERSON	OUTDOOR AIR REQ'D	OUTDOOR AIR REQ'D PER SF	OUTDOOR AIR REQ'D	TOTAL O/A REQUIRED (CFM/PERSON+CFM/SF)/0.8
SAUNA	10/1000	235	2	5	25	0.06	14	39
CORRIDORS	N/A	105	N/A	N/A	0	0.06	6	8
LOBBY	30/1000	230	7	5	35	0.06	14	61
							TOTAL	108



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

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

ENGINEERING AND DESIGN PLLC
 Phone (606)-364-2886
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 E-Mail: eric@emrengineers.com
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 Annville, KY 40402
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 FIRM 23179



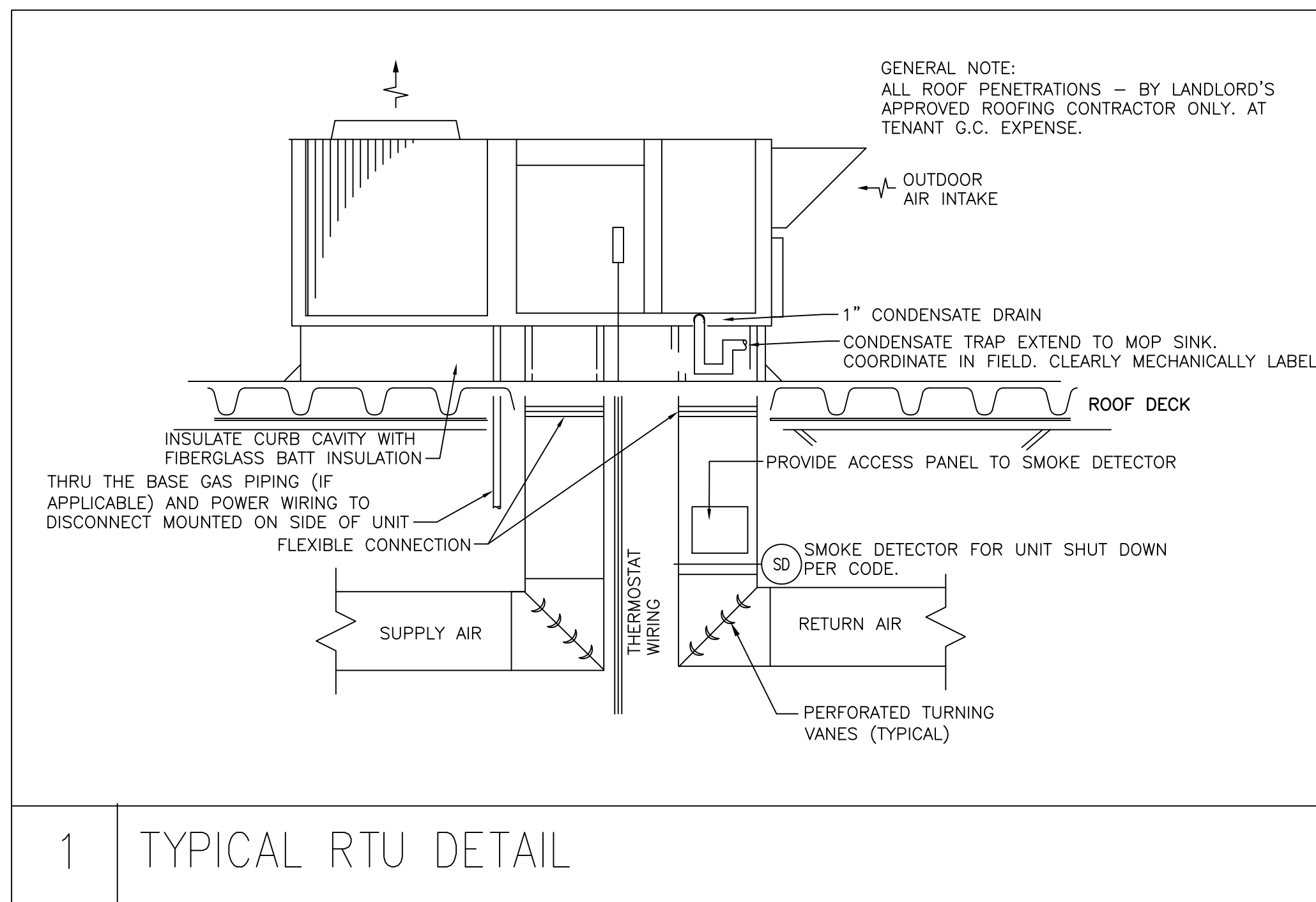
PERSPIRE
 SAUNA STUDIO
 830 SKY VISTA POINT
 SUITE 100
 COLORADO SPRINGS, COLORADO 80921

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

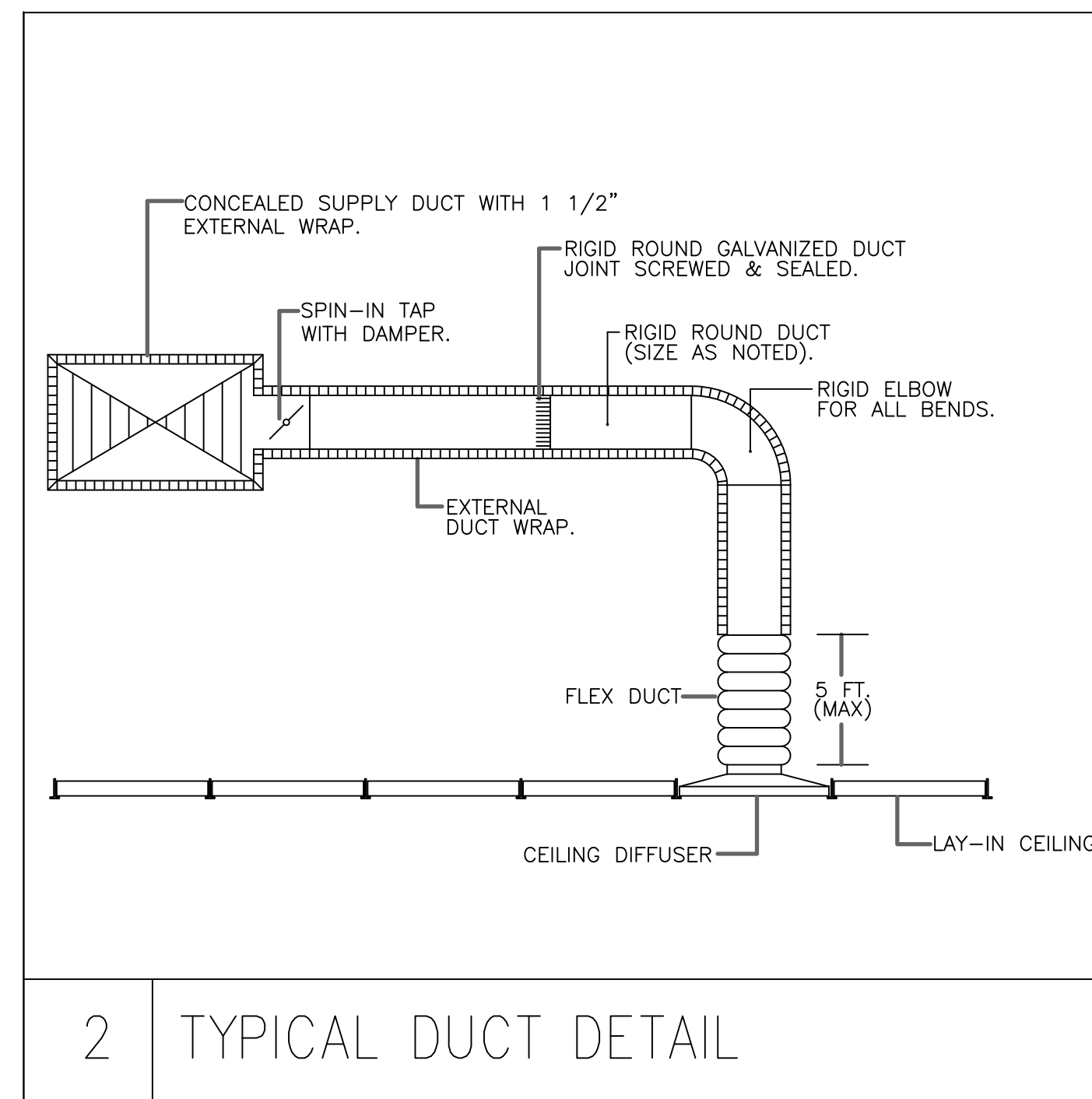
HVAC FLOOR PLAN AND SCHEDULES

SHEET No. 3.01

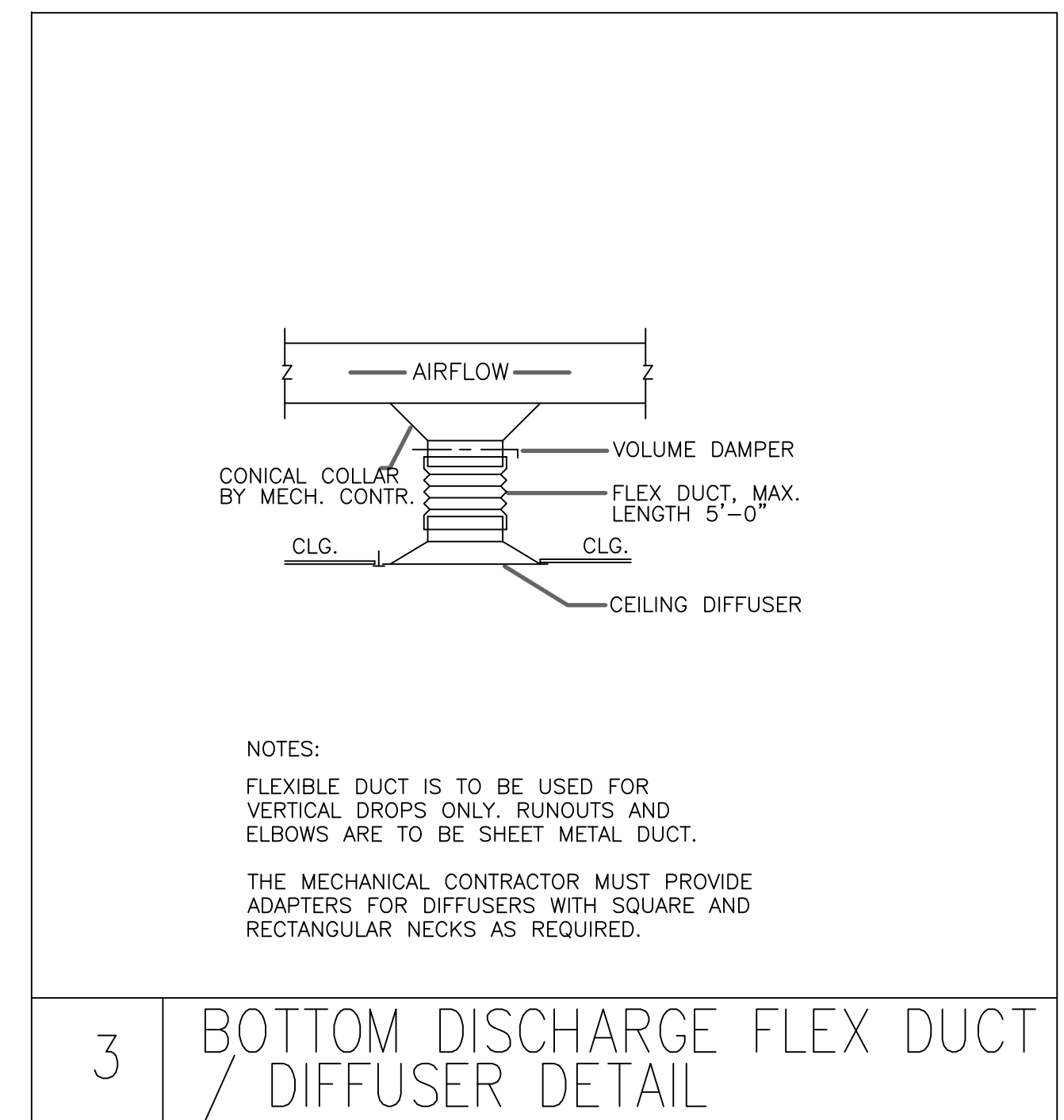
BIDDING QUESTIONS CONTACT 920-757-1486



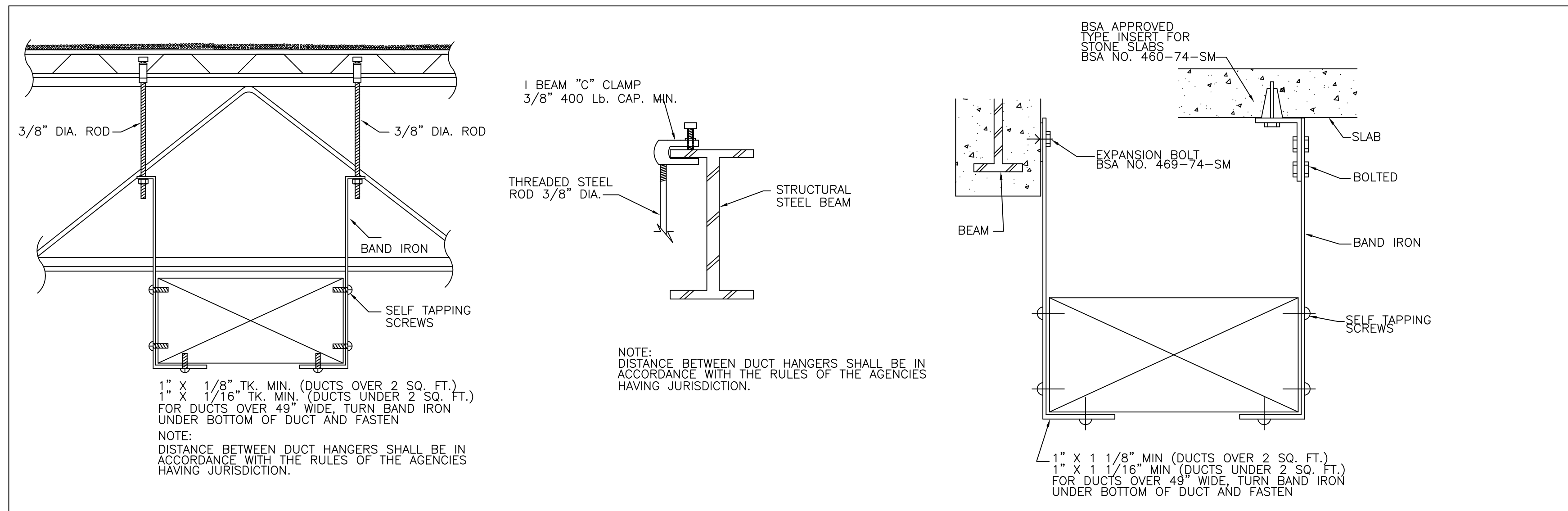
1 TYPICAL RTU DETAIL



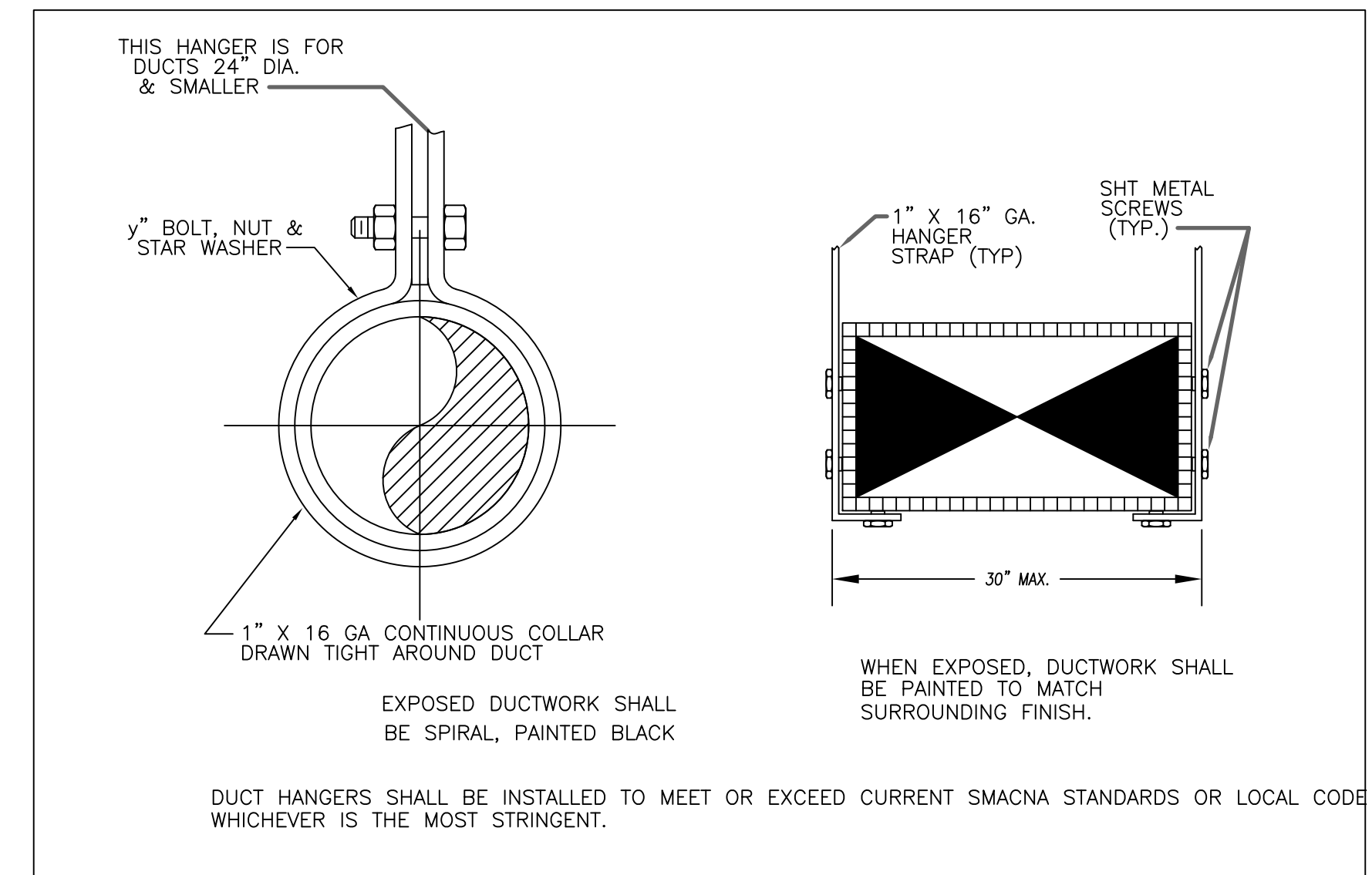
2 TYPICAL DUCT DETAIL



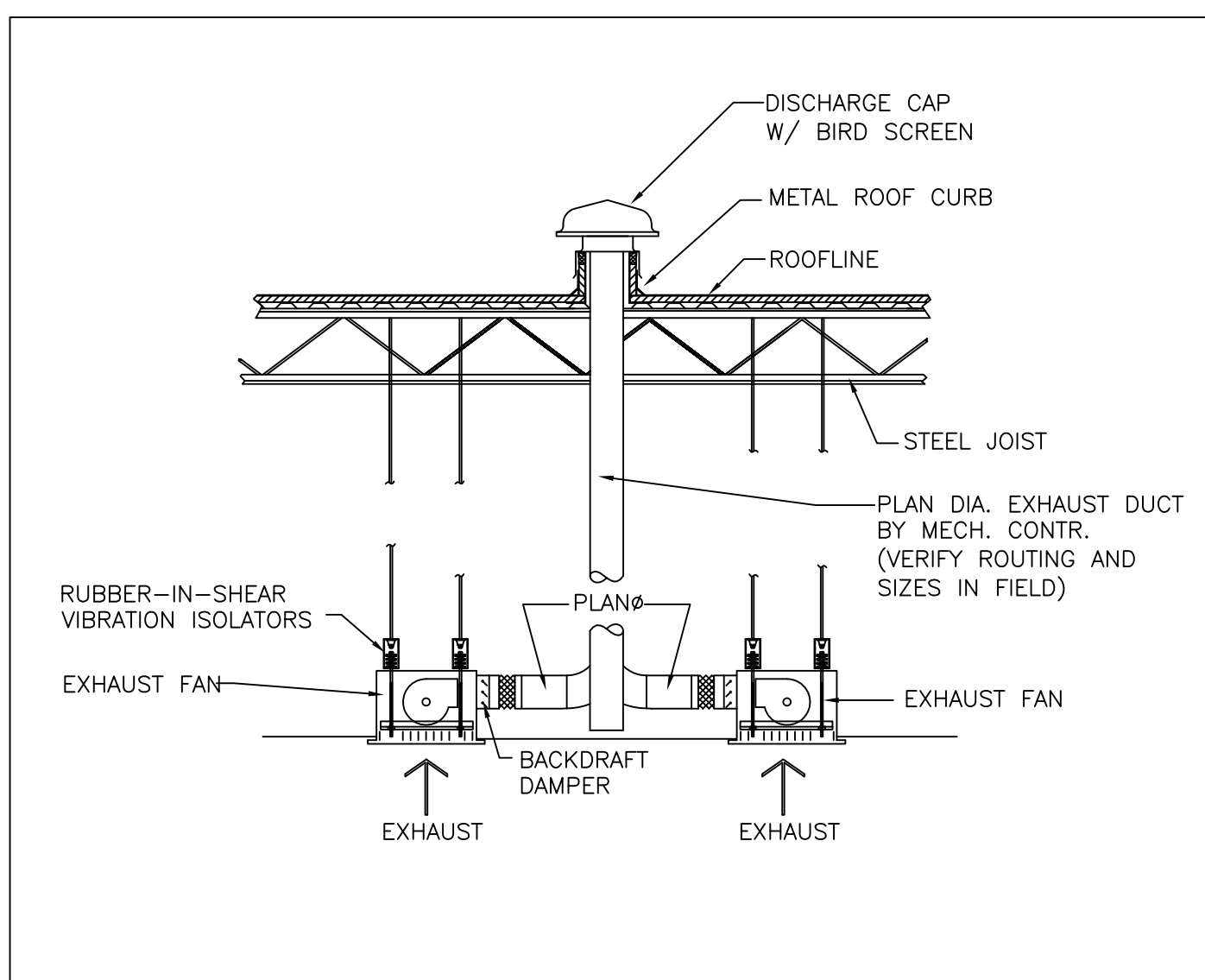
3 BOTTOM DISCHARGE FLEX DUCT / DIFFUSER DETAIL



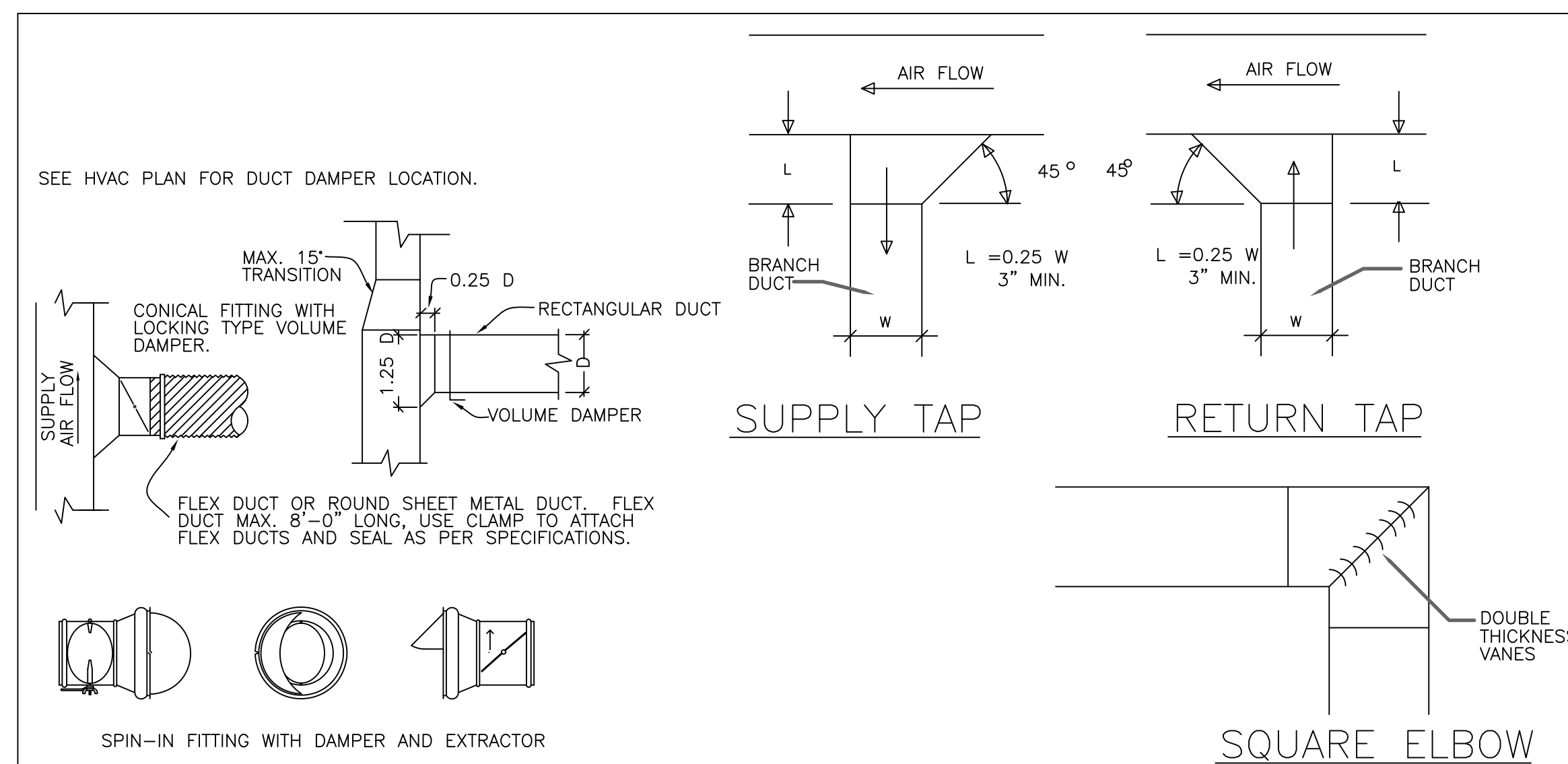
4 TYPICAL METHOD OF HANGING DUCTWORK



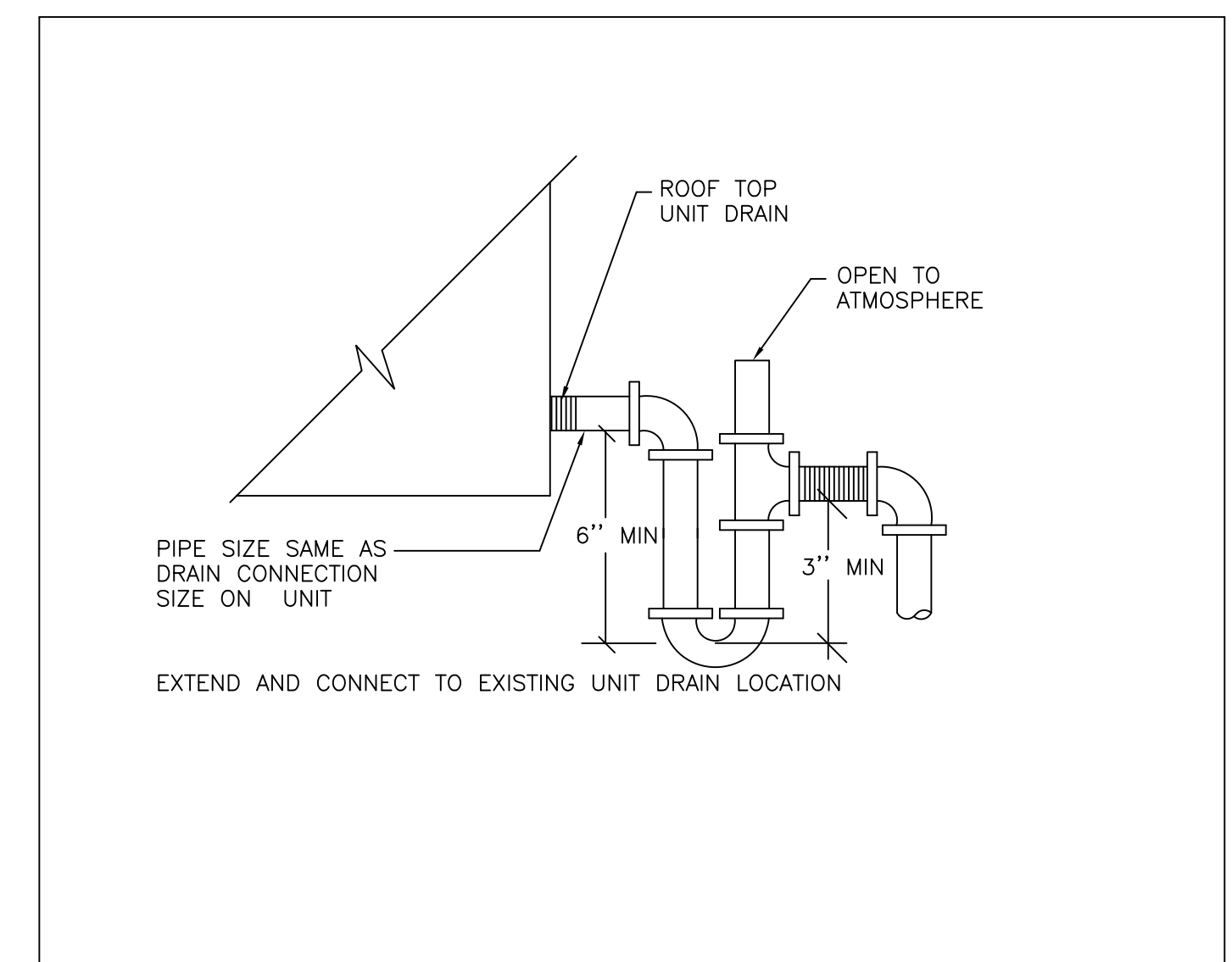
5 TYPICAL DUCT HANGERS



6 EXHAUST FAN



7 TYPICAL DUCT WORK DETAILS



8 CONDENSATE DRAIN

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

ISSUED / REVISIONS:

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FIRM 23179



BIDDING QUESTIONS CONTACT 920-757-1486

PERSPIRE
SAUNA STUDIO

830 SKY VISTA POINT
SUITE 100
COLORADO SPRINGS, COLORADO 80921

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

HVAC DETAILS

SHEET No.

3.02

COMcheck Software Version COMcheckWeb
Mechanical Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: PERSPIRE COLORADO SPRINGS
Location: Colorado Springs, Colorado
Climate Zone: 5B
Project Type: Alteration

Contractor Name: PERSPiRE CONSULTING LLC
1000 W. WYOMING AVE.
SUITE 100
COLORADO SPRINGS, CO 80901
Owner/Agent: [Redacted]
Design Contractor: ERM ENGINEERING AND DESIGN PLLC
4236 HWY 59510
ANNVILLE, PENNSYLVANIA 17022
717-264-7890
erm@ermengineers.com

Efficiency Packages

Description	Credit

Mechanical Systems List

Quantity System Type & Description

- HVAC (Single Zone)
Heating: 1 each: Central Furnace (RTU-2), Gas, Capacity = 48 MBtu/h
Proposed Efficiency = 80.00% (1), Required Efficiency = 80.00% (1) or 80% AFUE
Cooling: 1 each: Single Package DX Unit (RTU-2), Capacity = 120 MBtu/h, Air-Cooled Condenser, All Economizer
Proposed Efficiency = 12.00 (EER), Required Efficiency = 11.00 (EER)
Proposed Part Load Efficiency = 8.00 (EER), Required Part Load Efficiency = 14.50 (EER)
Fan System: Unspecified
- WH - Service Water Storage Water Heater, Capacity: 60 gallons, Input Rating: 160 MBtu/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 determined in a separate table, a reference to that table is provided.

Section # & Req ID	Plan Review	Complies?	Comments/Assumptions
C103.2 (P127)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical and service water heating systems and document when exceptions to the standard are claimed. Load calculations and acceptable engineering standards and handbooks, for water systems sized per manufacturer's safety systems.	Complies Does Not Not Applicable	

Additional Comments/Assumptions:

Section # & Req ID	Fielding / Foundation Inspection	Complies?	Comments/Assumptions
C403.13.2 (F132)	Smoke testing system and freeze protection systems have sensors and controls configured to emit alerts for pavement temperature above 50F and outdoor temperature above 40F.	Complies Does Not Not Applicable	Exception: Requirement does not apply.

Additional Comments/Assumptions:

Section # & Req ID	Plandringing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5 (P161)	Heat water supply piping conforms to pipe length and colour requirements. Refer to section details.	Complies Does Not Not Applicable	
C404.6.1 (P161)	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	Complies Does Not Not Applicable	
C404.6.3 (P161)	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 3 minutes after end of heating cycle.	Complies Does Not Not Applicable	
C404.6.1 (P161)	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 104F.	Complies Does Not Not Applicable	

Additional Comments/Assumptions:

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Data File Name: [Redacted]
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Project Title: PERSPIRE COLORADO SPRINGS
Data File Name: [Redacted]
Report Date: 06/14/24
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Project Title: PERSPIRE COLORADO SPRINGS
Data File Name: [Redacted]
Report Date: 06/14/24
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Project Title: PERSPIRE COLORADO SPRINGS
Data File Name: [Redacted]
Report Date: 06/14/24
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Section # & Req ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
ME127.2	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	Complies Does Not Not Applicable	Exception: Requirement does not apply.
C403.8.1 (ME63)	HVAC fan systems at design conditions do not exceed allowable fan system motor compliance by or system bhp.	Complies Does Not Not Applicable	See the Mechanical Systems list for values.
C403.8.3 (ME117)	Fans have a fan energy index (FEI) >= 1.0. Variable volume fans will have an FEI >= 0.95.	Complies Does Not Not Applicable	
C403.9 (ME144)	Large diameter fans where installed shall be tested and labeled in accordance with AMCA 203.	Complies Does Not Not Applicable	Exception: Requirement does not apply.
C403.9 (ME23)	HVAC equipment efficiency verified.	Complies Does Not Not Applicable	See the Mechanical Systems list for values.
C403.5.5 (ME113)	Fault detection and diagnostics installed with air-cooled unitary DX units or VRF units having economizers.	Complies Does Not Not Applicable	Requirement will be met.
C403.2.2 (ME37)	Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	Complies Does Not Not Applicable	
C403.7.1 (ME37)	Demand control ventilation provided for spaces >200 ft ² and >10 people/100 ft ² occupant density and served by systems with air side economizer and modulating outdoor air damper control, or design airflow >5,000 cfm.	Complies Does Not Not Applicable	Exception: Requirement does not apply.
C403.7.2 (ME115)	Enclosed parking garage ventilation has automatic contaminant detection and capacity to purge or modulate fans to 50% or less of design capacity.	Complies Does Not Not Applicable	Exception: Requirement does not apply.
C403.7.4 (ME141)	HVAC systems serving guestrooms in Group A buildings with guestroom partitions. Each guestroom is provided with controls that automatically manage temperature setpoint and ventilation (see sections C403.7.4.1 and C403.7.4.2).	Complies Does Not Not Applicable	Exception: Requirement does not apply.
C403.7.5 (ME147)	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	Complies Does Not Not Applicable	Exception: Requirement does not apply.

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Section # & Req ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.5.5 (ME124)	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 areas.	Complies Does Not Not Applicable	
C403.3.3 (ME125)	System capable of relieving excess outdoor air during air economizer operation to prevent over pressurizing the building. The relief air outlet located to avoid recirculation into the building.	Complies Does Not Not Applicable	
C403.3.3 (ME126)	Return, exhaust/relief and outdoor air dampers used in economizers have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Reference section C403.7.7 for details.	Complies Does Not Not Applicable	
C403.4.1 (ME37)	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when air temperatures > 45F vestibule heating and cooling systems controlled by a thermostat is installed in enclosed offices.	Complies Does Not Not Applicable	Exception: Requirement does not apply.
C403.3.3 (ME33)	Hot gas bypass limited to <=240 MBtu/h - 50% >240 MBtu/h - 25%	Complies Does Not Not Applicable	
C408.2.2 (ME33)	Air outlets and zone terminal devices have means for air balancing.	Complies Does Not Not Applicable	
C403.11.3 (C403.11.3)	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with section C403.11.3.2.	Complies Does Not Not Applicable	Exception: Requirement does not apply.

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Section # & Req ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C403.7 (EL126)	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C403.8.	Complies Does Not Not Applicable	
C403.8 (EL127)	Electric motors meet the minimum efficiency requirements of Tables C403.7.11 through C403.7.14. 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 Applicable	
C409.9.1 (EL128)	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	Complies Does Not Not Applicable	
C409.10 (EL129)	Total voltage drop across the combination of feeders and branch circuits <= 5%.	Complies Does Not Not Applicable	
C403.11 (EL30)	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 45 lmW or luminaires with efficacy >= 45 lmW or comply with C403.2.4 or C403.3.	Complies Does Not Not Applicable	
C409.11 (EL31)	50% of 150W emp 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 C403.11.3.	Complies Does Not Not Applicable	

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Report Date: 06/14/24
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Section # & Req ID	Final Inspection	Complies?	Comments/Assumptions
C403.3 (P161)	Furnished OAH manuals for HVAC systems within 90 days of system acceptance.	Complies Does Not Not Applicable	Requirement will be met.
C403.3 (P161)	HVAC systems and equipment capacity does not exceed calculated loads.	Complies Does Not Not Applicable	
C403.4.1 (P147)	Heating and cooling to each zone is controlled by a thermostat control device per installed humidification/dehumidification system.	Complies Does Not Not Applicable	
C403.4.1 (P138)	Thermostats controls have a 5°F deadband.	Complies Does Not Not Applicable	
C403.4.1 (P100)	Temperature controls have setpoint override restrictions.	Complies Does Not Not Applicable	
C403.4.2 (P139)	Each zone equipped with setback controls using automatic time clock or programmable control system.	Complies Does Not Not Applicable	
C403.4.2 (P140)	Automatic Controls Setback > 5°F (heat) and 85°F (cool), 7-day clock, 2-hour occupant override, 10-hour backup.	Complies Does Not Not Applicable	
C404.3 (P111)	Heat traps installed on supply and discharge piping of non-circulating systems.	Complies Does Not Not Applicable	Exception: Requirement does not apply.
C404.4 (P125)	All piping insulated in accordance with section details and C403.12.3.	Complies Does Not Not Applicable	
C404.4.1 (P112)	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 Applicable	
C408.1.1 (P171)	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturer's information, specifications, programming procedures and means of accessing to general non-building equipment and systems are intended to be installed, maintained, and operated.	Complies Does Not Not Applicable	

Project Title: PERSPIRE COLORADO SPRINGS
Data File Name: [Redacted]
Report Date: 06/14/24
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Section # & Req ID	Final Inspection	Complies?	Comments/Assumptions
C408.2.1 (P128)	Commissioning plan developed by registered design professional or approved agency.	Complies Does Not Not Applicable	Requirement will be met. Location on plans/spec: BY MECHANICAL CONTRACTOR
C408.2.3 (P131)	HVAC equipment, systems and systems-to-system relationships have been tested to ensure proper operation.	Complies Does Not Not Applicable	
C408.2.3 (P110)	HVAC and service water heating control systems have been tested to ensure proper operation, calibration and adjustment of controls.	Complies Does Not Not Applicable	
C408.2.3 (P132)	Economizers have been tested to ensure proper operation.	Complies Does Not Not Applicable	
C408.2.4 (P129)	Preliminary commissioning report completed and certified by registered design professional or approved agency.	Complies Does Not Not Applicable	Requirement will be met. Location on plans/spec: BY MECHANICAL CONTRACTOR
C408.2.5 (P117)	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	Complies Does Not Not Applicable	Requirement will be met.
C408.2.5 (P143)	An air and/or hydronic system balancing report is provided for HVAC systems.	Complies Does Not Not Applicable	
C408.2.5 (P130)	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	Complies Does Not Not Applicable	Requirement will be met. Location on plans/spec: BY MECHANICAL CONTRACTOR

Additional Comments/Assumptions:

Project Title: PERSPIRE COLORADO SPRINGS
Data File Name: [Redacted]
Report Date: 06/14/24
Page 9 of 9

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

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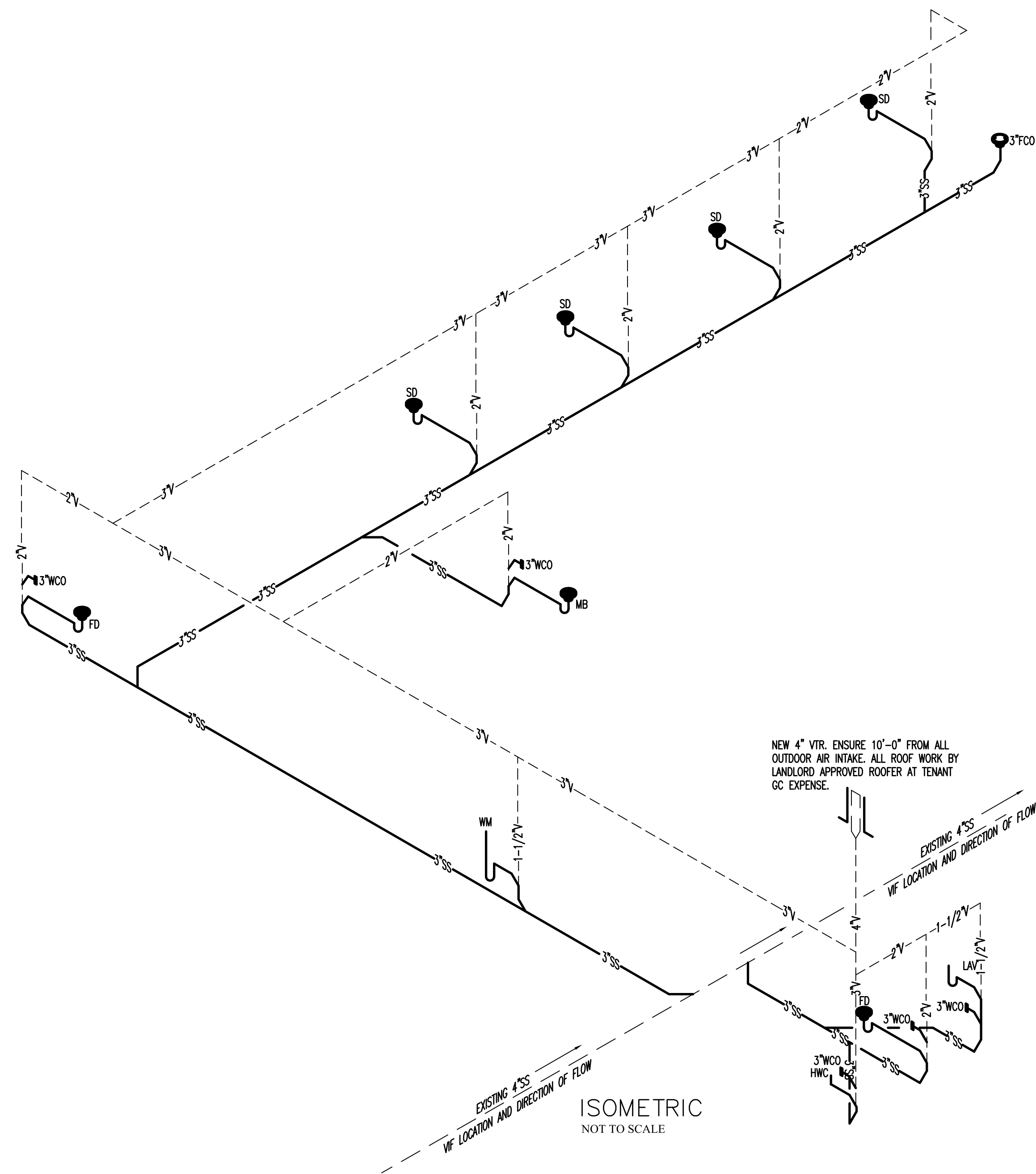


PERSPIRE SAUNA STUDIO
830 SKY VISTA POINT
SUITE 100
COLORADO SPRINGS, COLORADO 80921

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

3.03

BIDDING QUESTIONS CONTACT 920-757-1486



GENERAL NOTES

- 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 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 BUILT'S TO THE CONSTRUCTION MANAGER AT THE END OF THE PROJECT
- 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 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 FGDADSON.

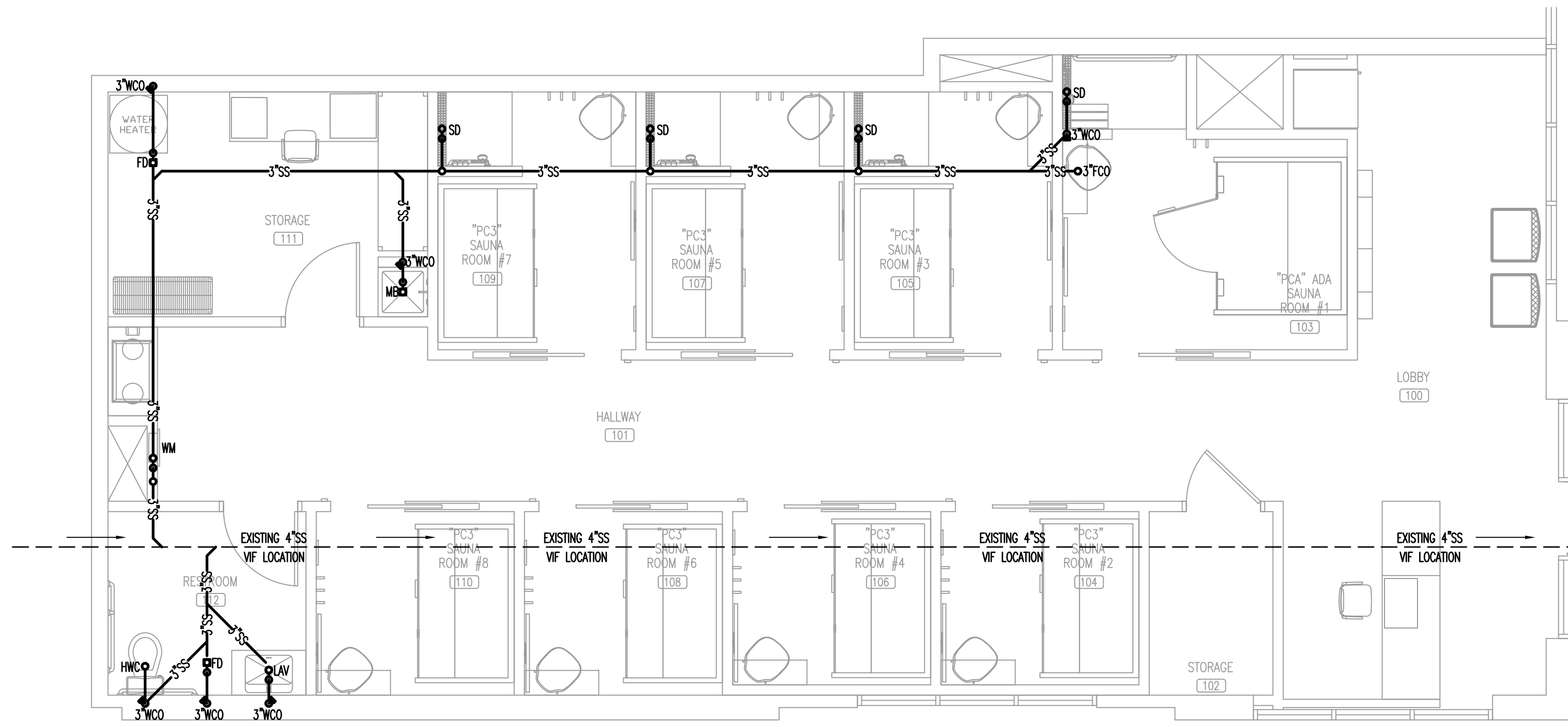
PLUMBING FIXTURE SCHEDULE

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 Z8800CR 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-D WHITE. COMPLETE WITH AMERICAN STANDARD PARADIGM ELECTRONIC 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 RESTRICTOR.
MB	MOP BASIN	3"	2"	1/2"	1/2"	FIAT PRODUCTS MOP SINK KIT MODEL NO. MSBIDG-2424, 24X24 MOLDED STONE MOP BAIN. HOSE AND BRACKET, WALL MOUNTED FAUCET, 3 WALL GUARD FIAT MSG2424 (12" TALL L SHAPED GUARD) 2 SIDES REQUIRED AT MOP SINK)
WH	GAS WATER HEATER	---	---	1"	1"	RHEEM MODEL SUP60120NE (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
SH SD	TRENCH SHOWER DRAIN	3"	2"	---	---	KERDI-LINE CHANNEL BODY 36" PRODUCT CODE: KL1V60E90 + KERDI-LINE FRAMELESS 36" TILE GRATE PRODUCT CODE: KL1DR90 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 EZH20 LIV BUILT-IN FILTERED WATER DISPENSER; COLOR ASPEN WHITE C/W REMOTE CHILLER MODEL LBW006 (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
FD	FLOOR DRAIN	3"	2"	---	---	JOSAM 30003-A-55 CAST IRON DRAIN WITH SATIN NIKOLAY 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.
FCO	FLOOR CLEANOUT	PLAN	---	---	---	JOSAM 57000-22 FLOOR CLEANOUT, LEVELZE COATED CAST IRON BODY WITH ADJUSTABLE HOUSING, SATIN NIKALY 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.
TMV	THERMOSTATIC MIXING VALVE	---	---	1/2"	1/2"	WATTS LEAD FREE LFUSG-B THERMOSTATIC MIXING VALVE. BRASS. SET TO 109°F. INSTALL BELOW ALL HAND SINKS

TABLE 709.1 DRAINAGE FIXTURE 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)
3" SLOPED AT 1/8" PER FOOT MAXIMUM CONNECTED 36 DRAINAGE FIXTURE UNITS
4" SLOPED AT 1/8" PER FOOT MAXIMUM CONNECTED 180 DRAINAGE FIXTURE UNITS



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PERSPIRE
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CHECKED BY: Staff
 DRAWN BY: Staff
 DATE: JUNE 17, 2024
 SCALE: PER PLAN
 PROJECT No.: PSS 2417
 SHEET TITLE
**PLUMBING
 PLANS
 AND ISOMETRIC**
 SHEET No.

4.01

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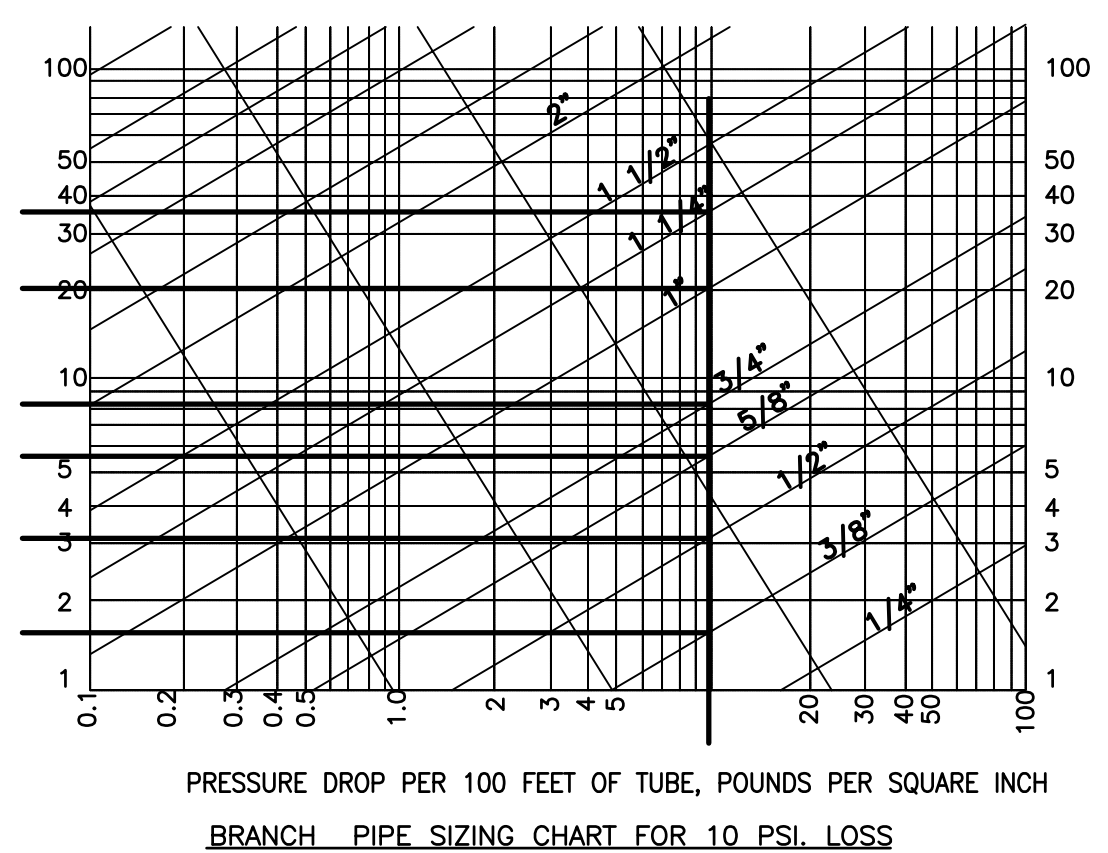
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DEFINITION	SYMBOL OR ABBREVIATION
DOMESTIC HOT WATER	---HW---
DOMESTIC COLD WATER	---CW---
DOMESTIC SOFT WATER	---SFW---
HOT WATER RETURN	---HWR---
VENT PIPING	---V---
SANITARY WASTE	---SS---
GAS PIPING	---NAT---
RISER DOWN (ELBOW)	
RISER UP (ELBOW)	
TEE DOWN	
RPZ BACKFLOW PREVENTER	
CHECK VALVE	
ROOF DRAIN (AREA SERVED)	4" RD-1 1,650 SF
FLOOR DRAIN	
CLEANOUT	
WALL HYDRANT	
BALANCING VALVE	
BALL VALVE	
CONDENSATE DRAIN	---CD---
SECONDARY COND. DRAIN	---SD---

- ### SHEET KEY NOTES
- EXISTING 1" WATER SERVICE TO SPACE. VIF LOCATION AND CONDITION OF EXISTING CONDITIONS WITH LANDLORD REP. REMOVE 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.
 - 1" HOT AND COLD WATER DOWN TO WATER HEATER.
 - WATTS LFUSG-B THERMOSTATIC MIXING VALVE SET TO 109°F BELOW HAND SINK.
 - P.C. TO INSTALL BOTTLE FILLER PER MANUFACTURER INSTALL MANUAL
 - 1/2" COLD WATER DOWN TO HWC, INSTALL WATER HAMMER ARRESTOR ON TOP OF FEED DOWN.



WATER SUPPLY CALCULATIONS

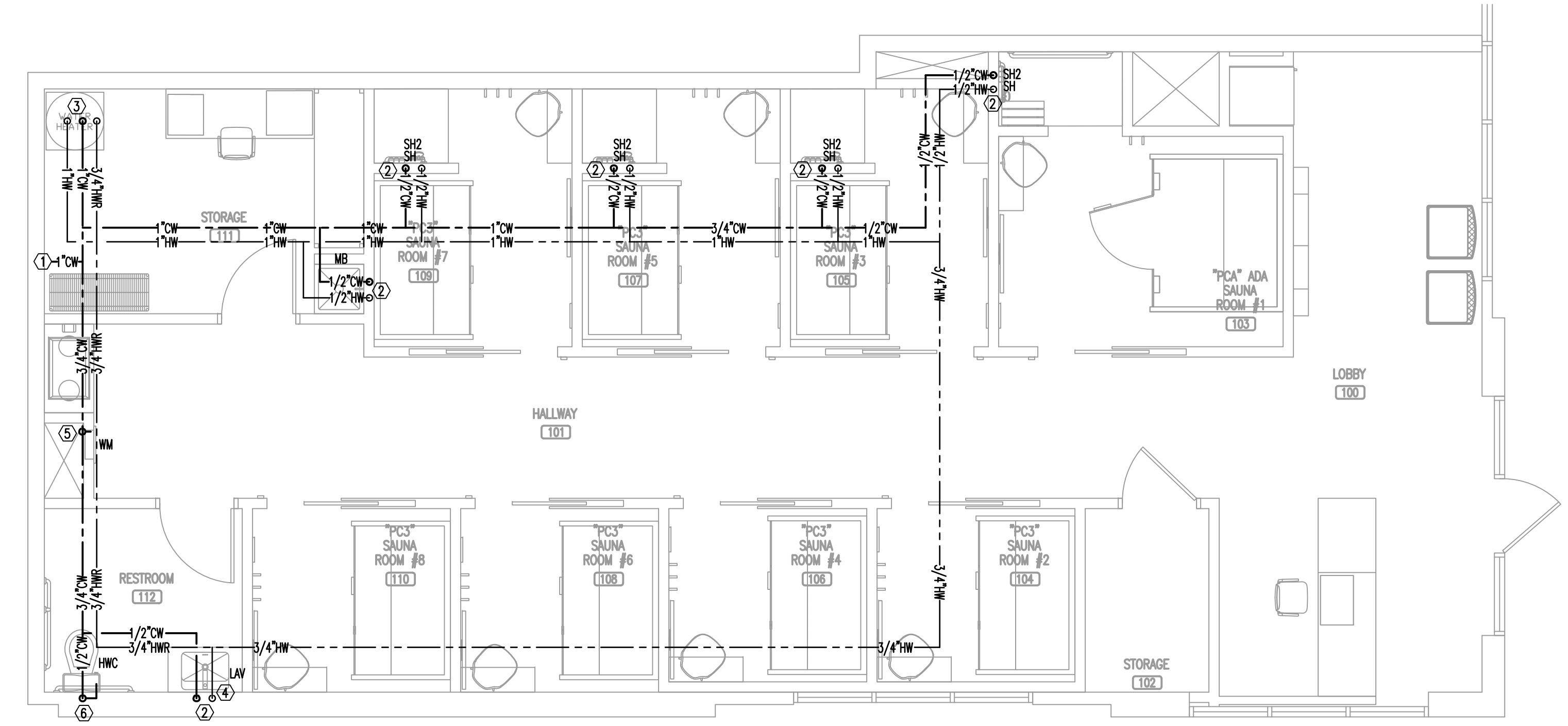
FIXTURE NAME	NO.	F.U.	TOT.
WATER CLOSET (FLUSH TANK)	1	3.0	= 3.0
LAVATORY	1	1.0	= 1.0
MOP BASIN	1	3.0	= 3.0
WATER MACHINE	1	0.5	= 0.5
SHOWER	4	3.0	= 12.0
TOTAL FIXTURE UNITS			20.5

19.5 FIXTURE UNITS = 20.0 GALLONS PER MINUTE (G.P.M.)
 1" CW LINE WILL SUPPLY 20.0 GALLONS PER MINUTE

PIPE LENGTH TAP TO METER	10 FT	
PIPE LENGTH METER TO LAST FIXTURE	110 FT	
VERTICAL PIPE LENGTH TO HIGHEST FIXTURE	10 FT	
TOTAL PIPE LENGTH	110 FT	
FITTING LOSS (20%)	26 FT	
TOTAL DEVELOPED LENGTH		156 FT

WATER PIPE SIZING CRITERIA:
 SUPPLY PRESSURE (ASSUME)(INSTALL PRV AS REQUIRED) 50 PSIG
 FRICTION LOSS (PSI):
 BACK FLOW PREVENTER LOSS 12.00 PSI
 METER LOSS 8.00 PSI
 HIGHEST PRESS. REQ'D. AT FIXTURE 15.00 PSI
 TOTAL OVERALL LOSSES 35.00 PSI
 PRESSURE AVAILABLE FOR PIPING 15.0 PSI

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



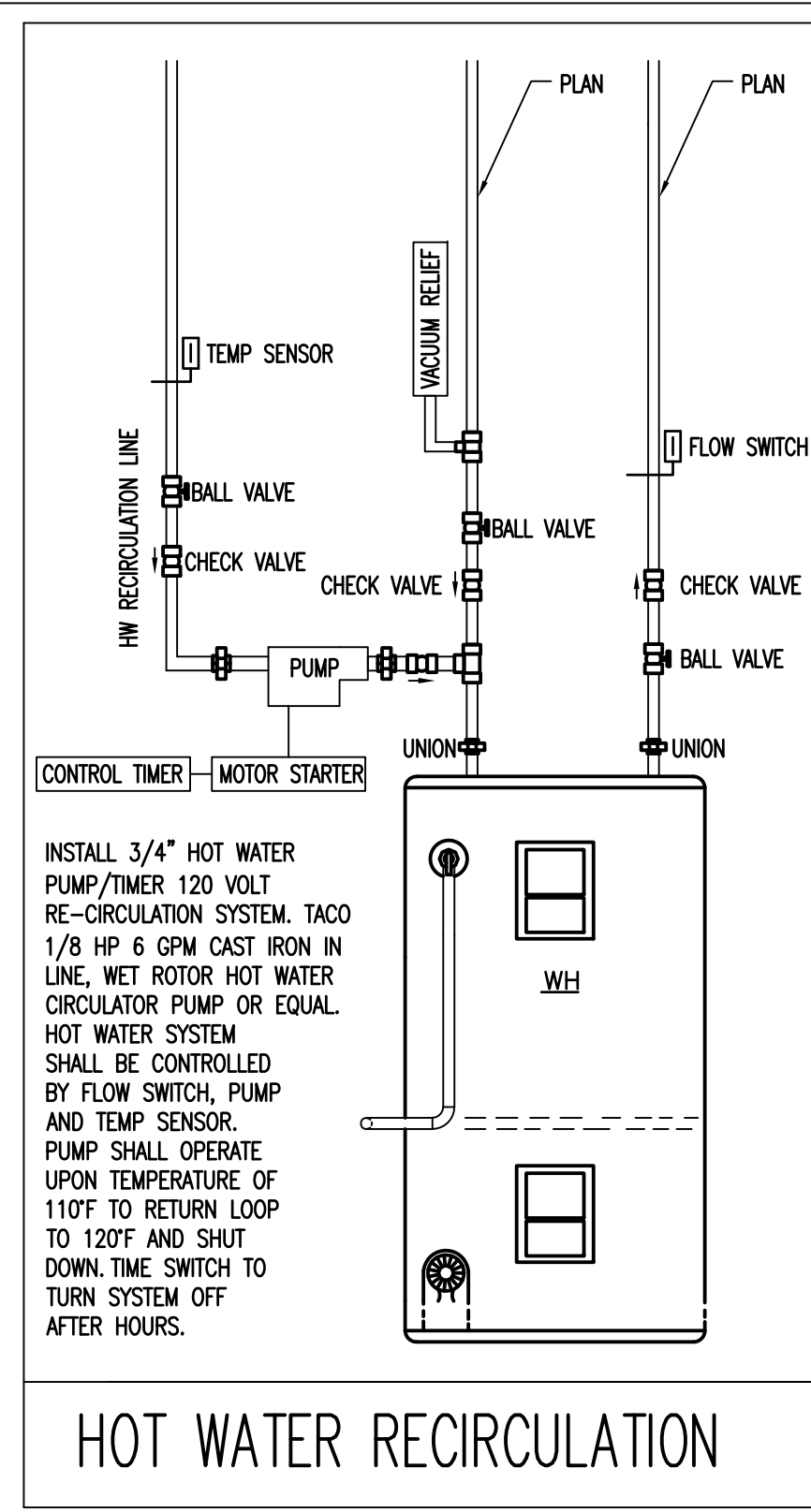
DOMESTIC WATER PLAN
 SCALE: 1/4"=1'-0"

BIDDING QUESTIONS CONTACT 920-757-1486

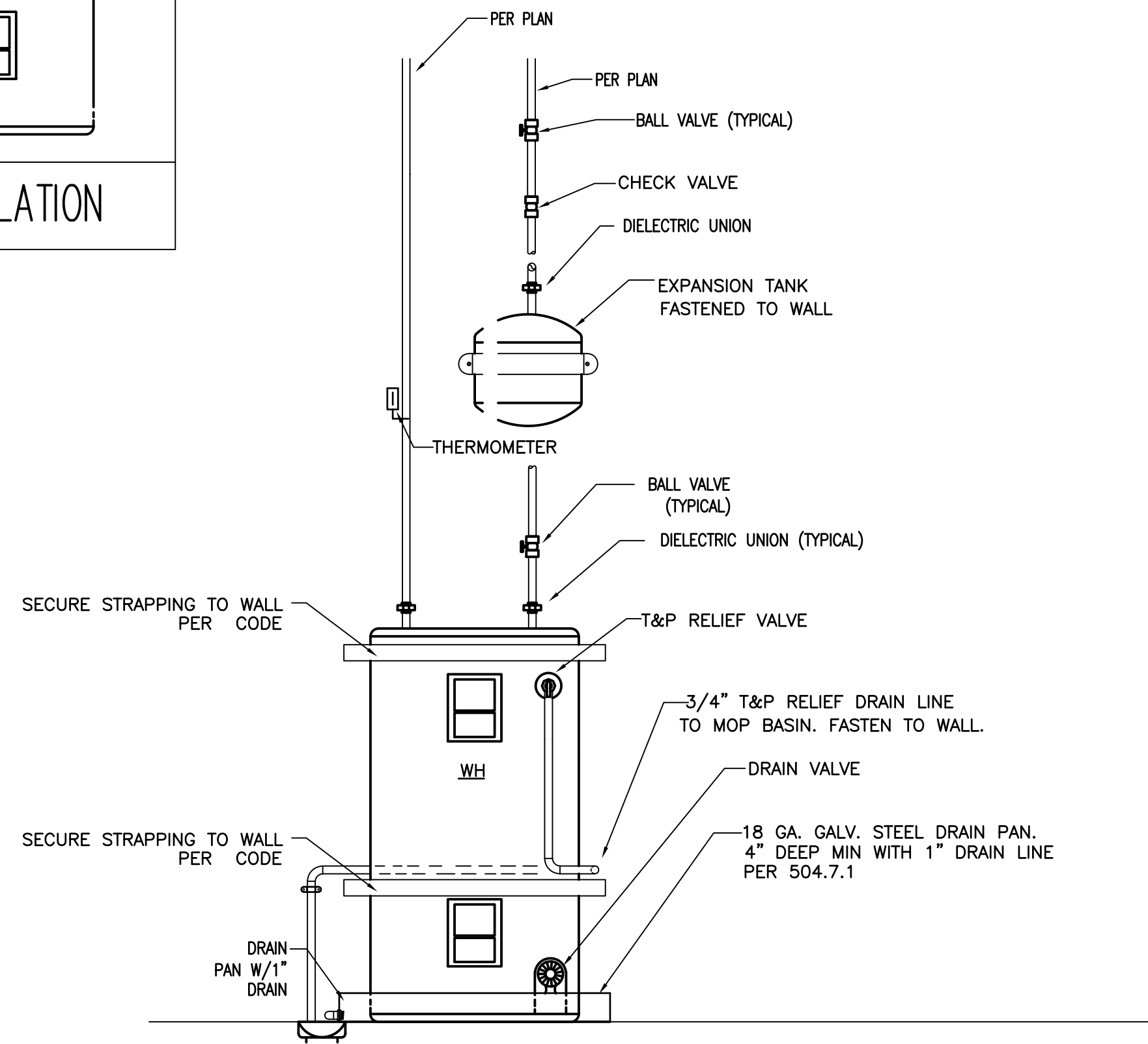
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DATE:	JUNE 17, 2024
SCALE:	PER PLAN
PROJECT No.:	PSS 2417
SHEET TITLE	DOMESTIC WATER PLAN
SHEET No.	4.02



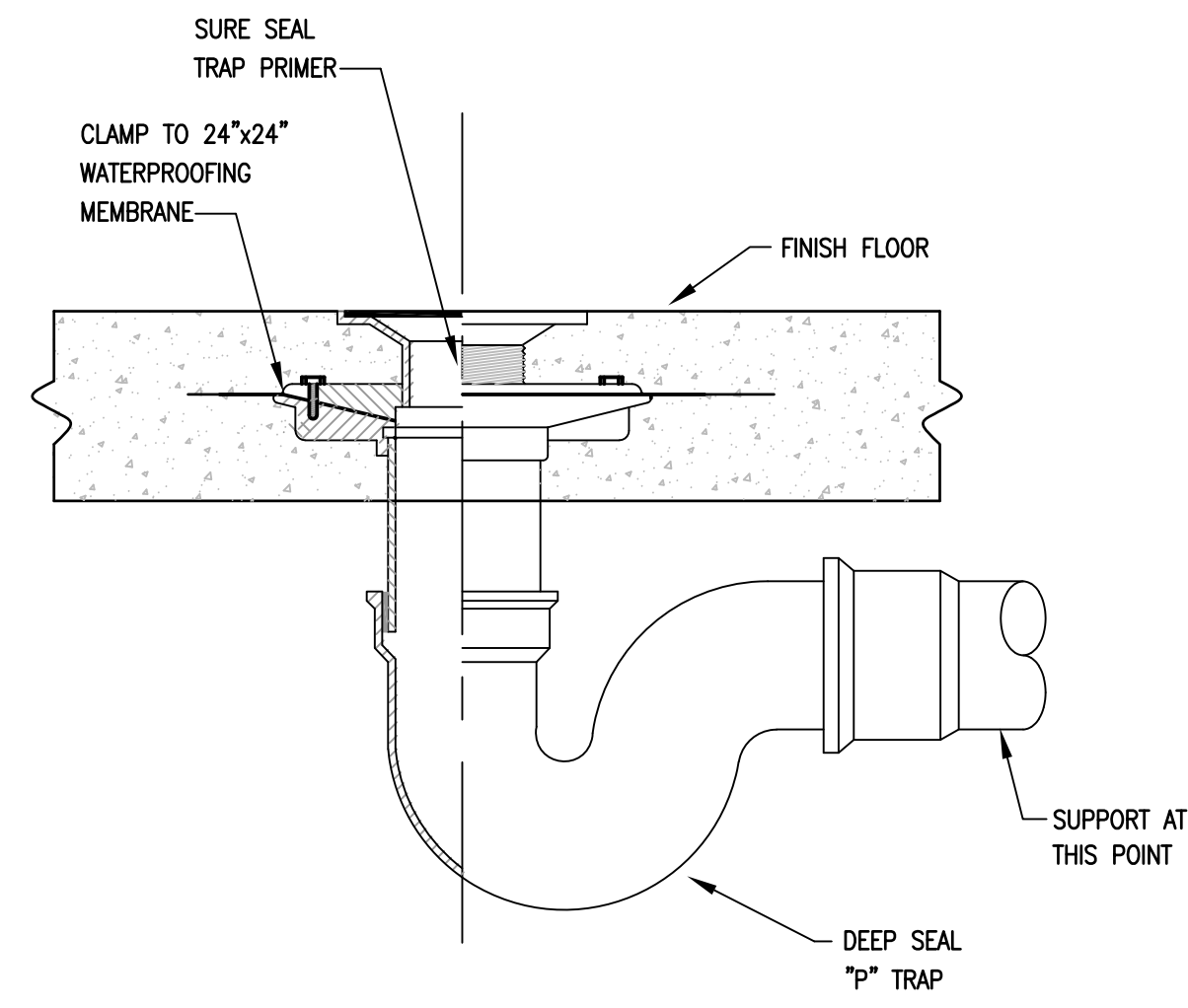
HOT WATER RECIRCULATION



1 WATER HEATER DETAIL

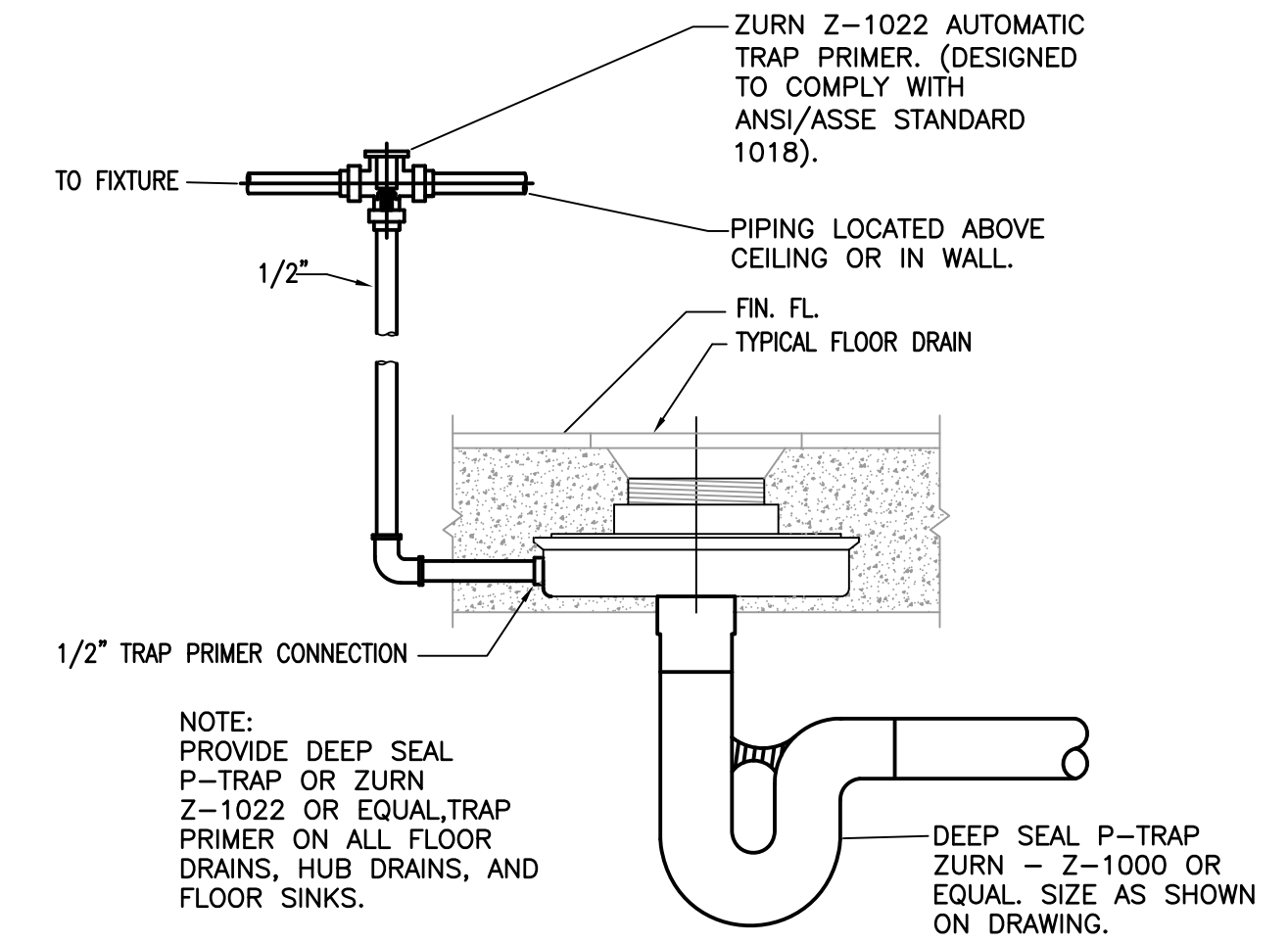
ALL HOT WATER PIPING SHALL BE INSULATED WITH A MINIMUM OF 1" INSULATION PER IECC SECTION 504.

N.T.S.



2 FLOOR DRAIN

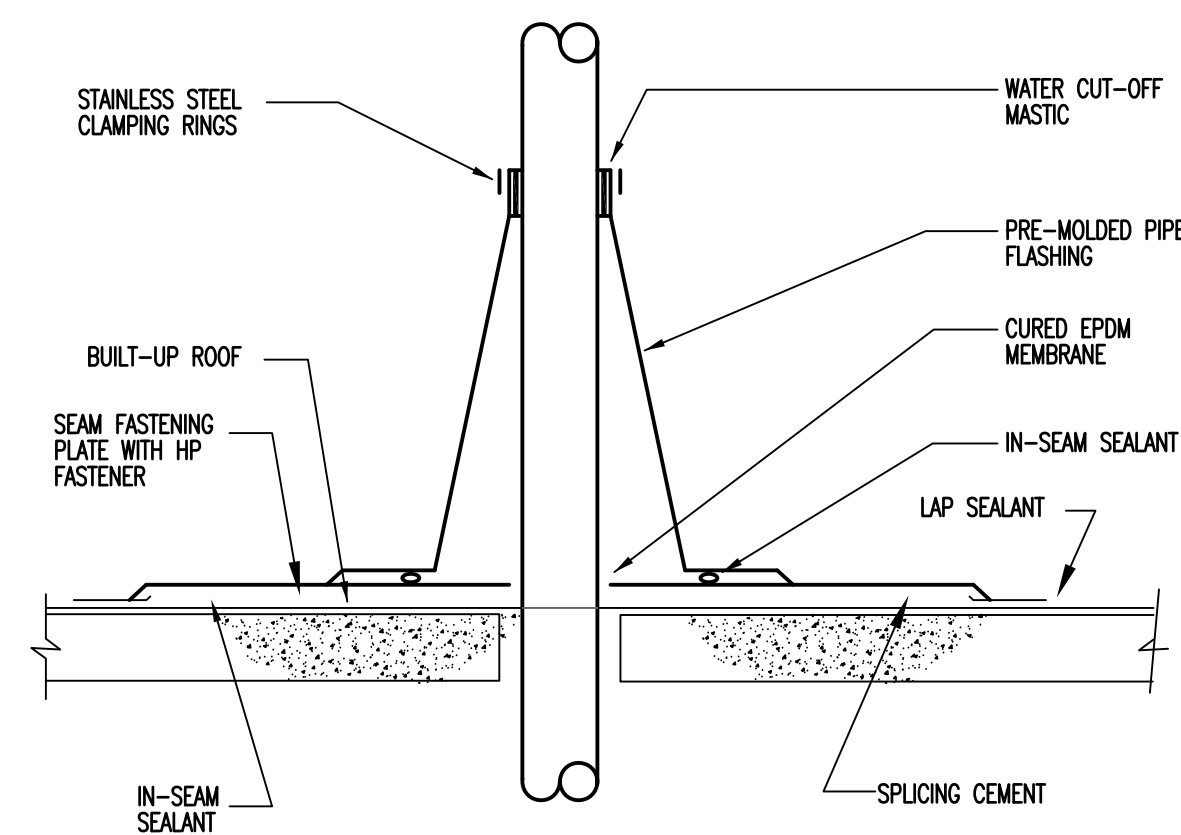
N.T.S.



3 FLOOR DRAIN / MECH TRAP PRIMER

MECHANICAL TRAP PRIMER INSTALLED ON ALL FLOOR DRAINS

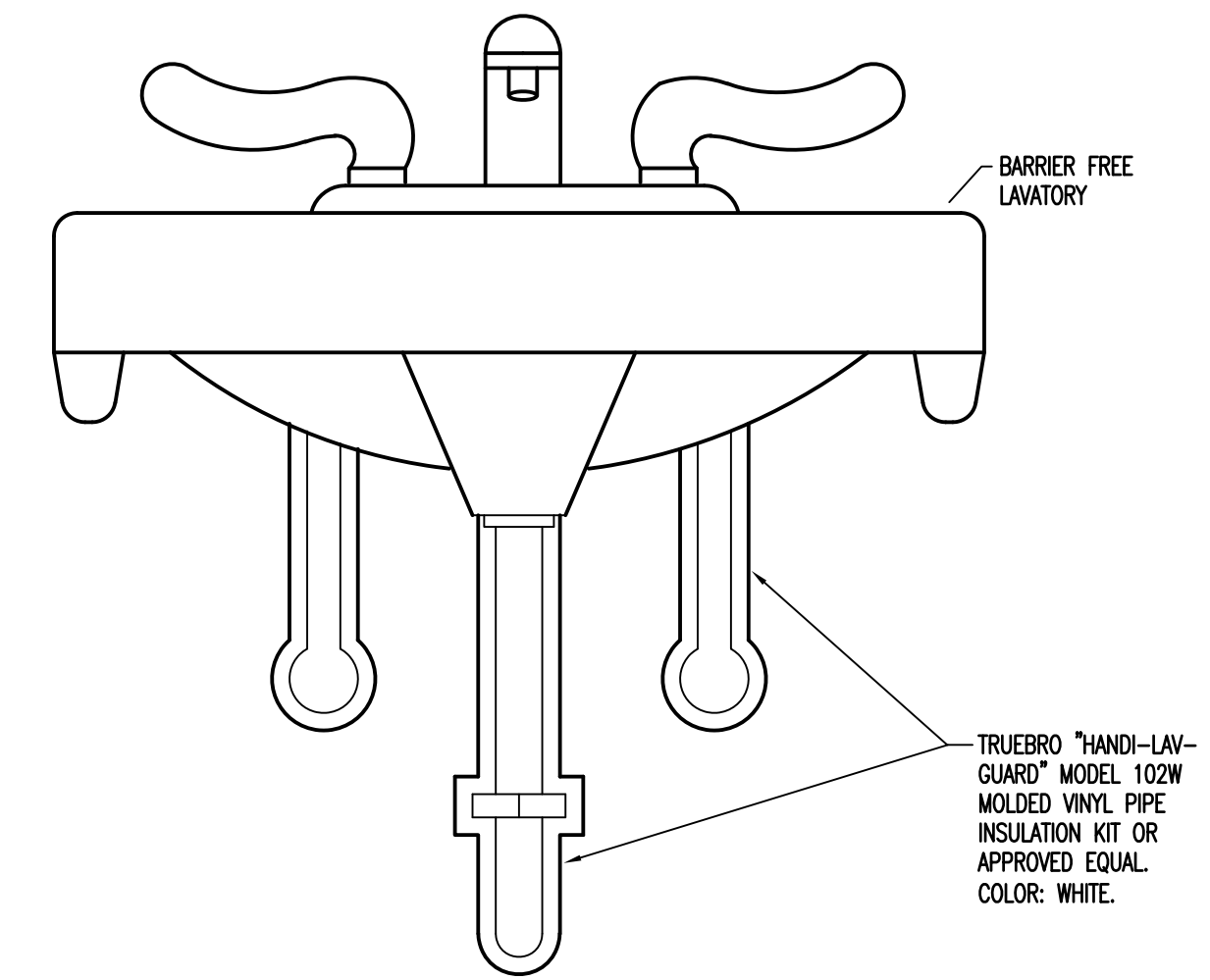
N.T.S.



4 VENT THRU ROOF

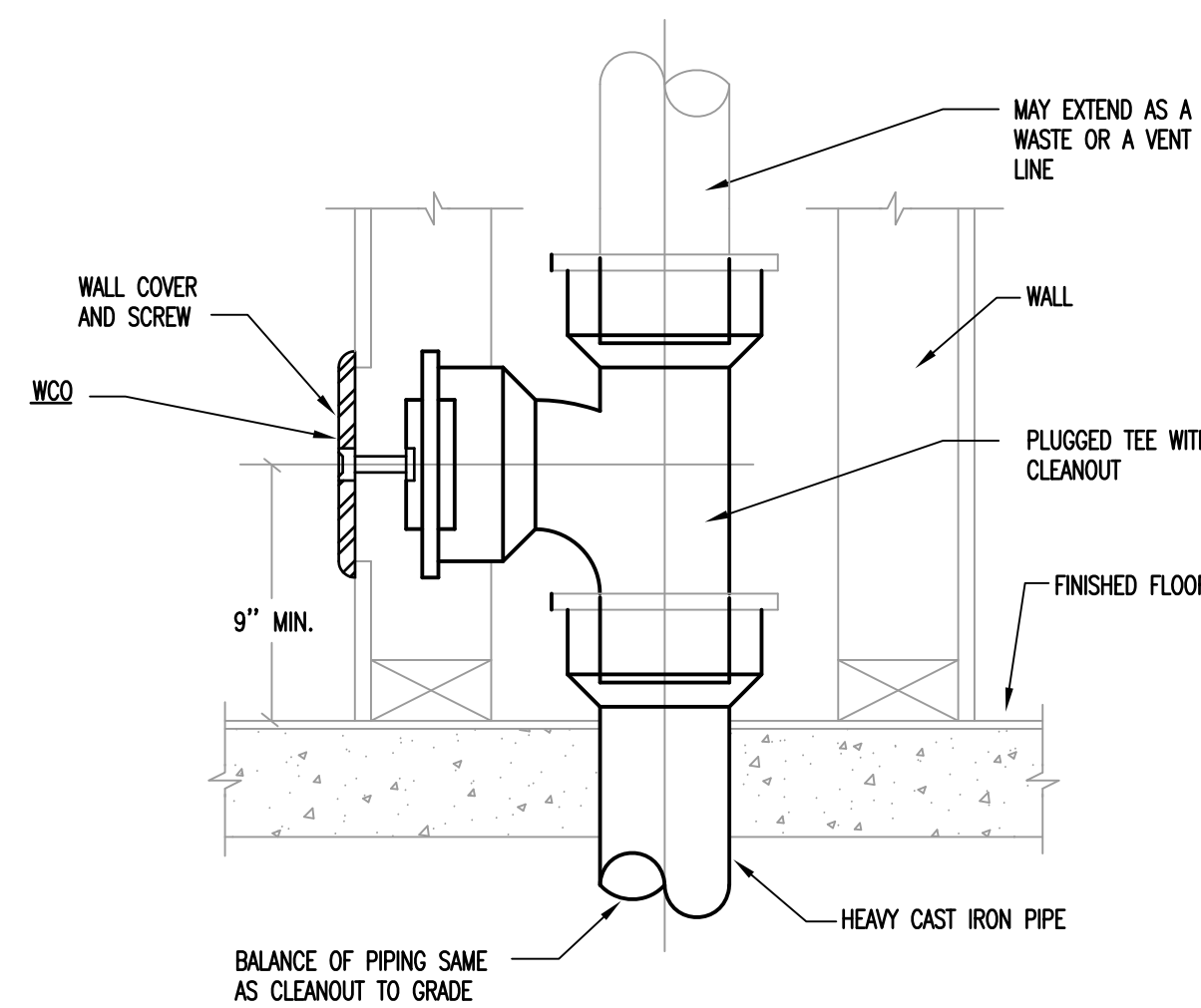
N.T.S.

INSTALL ON ALL EXPOSED ADA HAND SINKS AND LOUNGE SINK



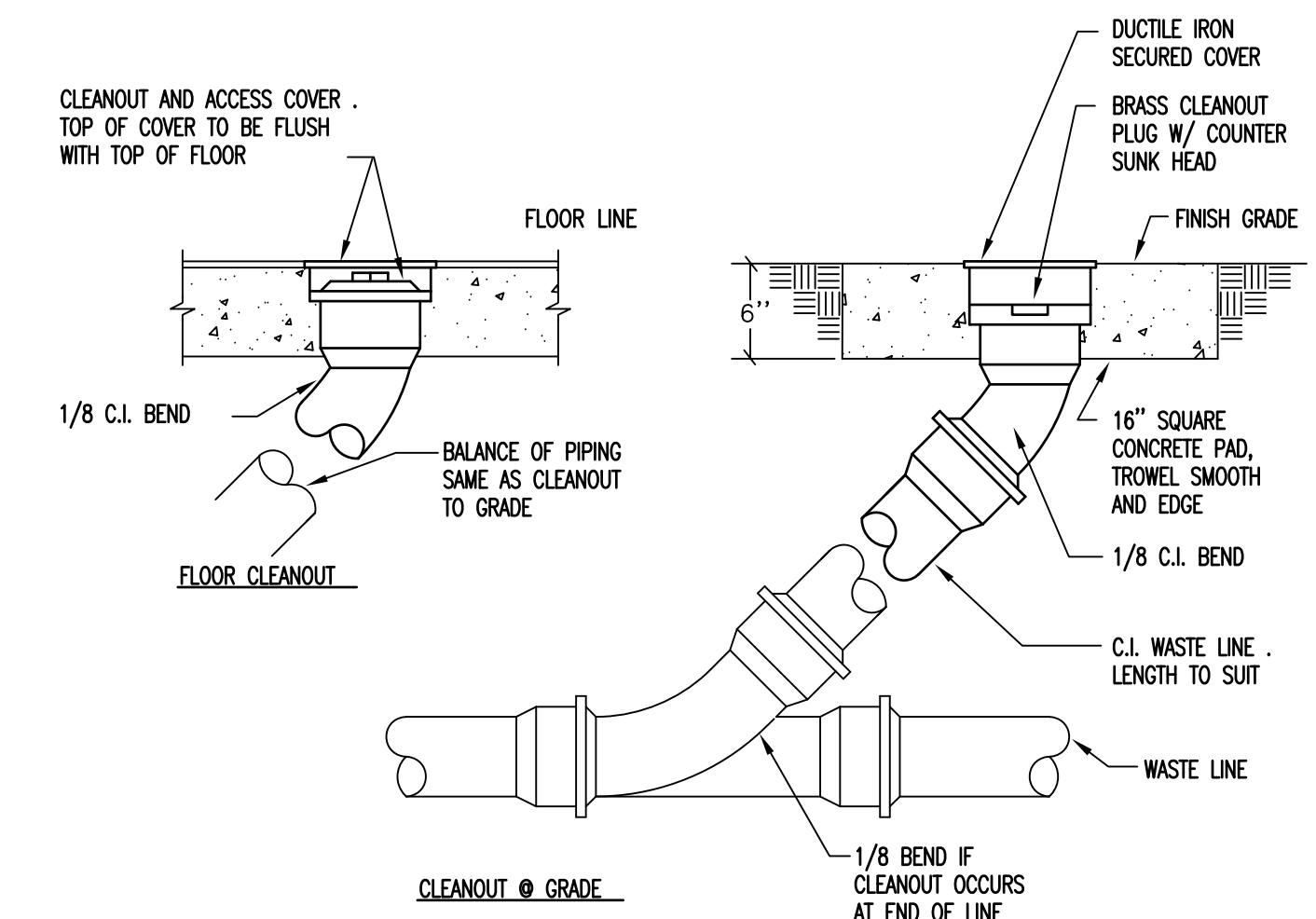
5 ADA PIPE SHROUDING

N.T.S.



6 TYPICAL WALL CLEANOUT DETAIL

N.T.S.



7 TYPICAL CLEANOUT(S) DETAIL

N.T.S.

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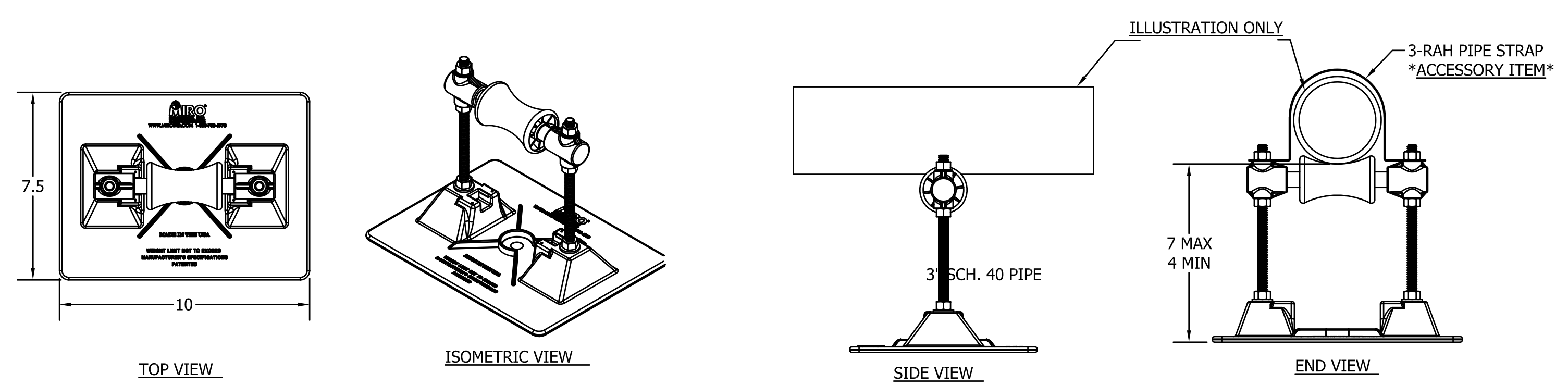
PLUMBING DETAILS

SHEET No.
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ACCESSORIES

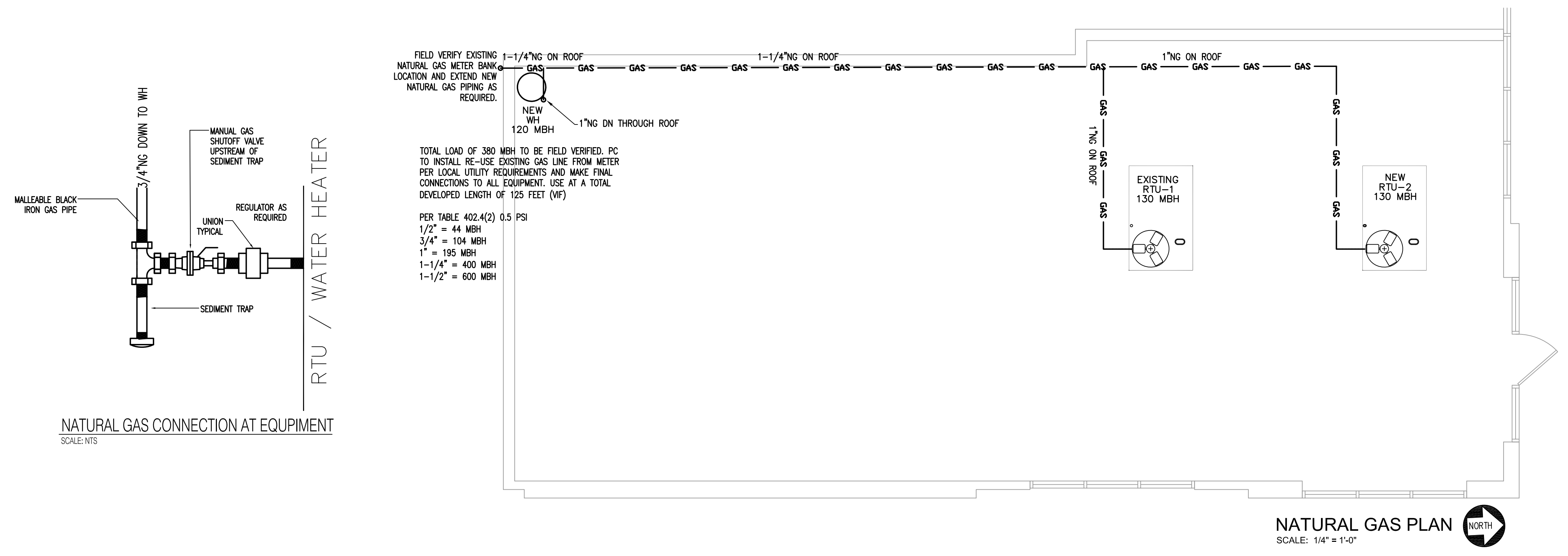
- 3-RAH Pipe Strap - Order to Pipe O.D.
- Support pad or deck plate
- Eternabond } 2-sided tape

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 INFORMATION

- 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.



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NATURAL GAS PLAN & DETAILS
 SHEET No.

4.04

