



MORE THAN ARCHITECTS

ADDENDUM

NO. 2

TO THE DRAWINGS AND THE PROJECT MANUAL

PROJECT NAME: New Operations Building

CLIENT NAME: New Caney Independent School District

LOCATION: New Caney, Texas

PROJECT NUMBER: 1971-05-01

PROPOSAL DATE: Tuesday, February 3, 2026, at 2:00 p.m. Base Proposal, 3:00 p.m.
Alternate Proposal

ADDENDUM DATE: Thursday, January 29, 2026

For additional information regarding this project, contact Matthew Gvist
matt.gvist@huckabee-inc.com or 281.380.0863



THIS ADDENDUM INCLUDES:

Architectural Items	2 Pages
Plumbing Items	2 Pages
Mechanical Items	1 Pages
Electrical Items	1 Pages

AND ALL ATTACHED REVISED DRAWING REFERENCES IN THE ADDENDUM

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Project Name: New Operations Building
Client: New Caney Independent School District
New Caney, Texas
Project Number: 1971-05-01



01.29.2026

ARCHITECTURAL ITEMS FOR ADDENDUM NO. 2

NOTICE TO PROPOSERS:

- A. This Addendum shall be considered part of the contract documents for the above-mentioned project as though it had been issued at the same time and incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original contract documents, this Addendum shall govern and take precedence.
- B. Proposers are hereby notified that they shall make any necessary adjustments in their estimate on account of this Addendum. It will be construed that each Proposer's proposal is submitted with full knowledge of all modifications and supplemental data specified therein. Acknowledge receipt of this addendum in the space provided on the proposal form. Failure to do so may subject Proposer to disqualification.

REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

PROJECT MANUAL:

AD No 2, Arch. Item 1: To the Project Manual, Section 01 2100, "ALLOWANCES"

To paragraph 1.04 Allowance Schedule **ADD** the following "C. Marquee Sign Allowance: Include the stipulated sum of \$10,000.00 for demolition of the existing marquee sign and the construction of a new marquee sign, design to be determined."

AD No 2, Arch. Item 2: To the Project Manual, Section 10 2113.19, "PLASTIC TOILET COMPARTMENTS"

To paragraph 2.02 Plastic Toilet Compartments, A. **REVISE** the following "FLOOR AND CEILING ANCHORED" to read "FLOOR MOUNTED/OVERHEAD BRACED"

DRAWINGS:

AD No 2, Arch. Item 3: To the Drawings, Sheet A1.02, "FLOOR PLAN – LEVEL 1 & 2 – AREA A & C – OPERATIONS BUILDING"

- 1) 1 – FLOOR PLAN – LEVEL 1 – AREA A – OPERATIONS BUILDING, **ADD** concrete curb designation and **REVISE** wall partition tags at RR A101, CUST A109, MECH A113, MAIN MECH A116 and MECH A127 as indicated per attached revised sheet.
- 2) 2 – FLOOR PLAN – LEVEL 2 – AREA C – OPERATIONS BUILDING, **ADD** concrete curb designation and **REVISE** wall partition tags at CUST C116 as indicated per attached revised sheet.

WE ARE MORE.

Architectural Items For
Addendum No. #2
Page 1 of 2

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Project Name: New Operations Building
Client: New Caney Independent School District
New Caney, Texas
Project Number: 1971-05-01

AD No 2, Arch. Item 4: To the Drawings, Sheet A1.04, “FLOOR PLAN – LEVEL 1 & 2 – AREA A & C – OPERATIONS BUILDING”

- 1) 1 - FLOOR PLAN – LEVEL 1 – AREA D – WARHOUSE, **ADD** concrete curb designation and **REVISE** wall partition tags at RR D109 and CUST D113 as indicated per attached revised sheet.

AD No 2, Arch. Item 5: To the Drawings, Sheet A1.06, “ENLARGED PLANS”

- 1) 4 – ENLARGED PLAN – D108 / D109 – LEVEL 1 - WAREHOUSE, **ADD** concrete curb designation and **ADD** wall partition tag as indicated per attached revised sheet.
- 2) 5 – ENLARGED PLAN – SINGLE USER RR – A101, **ADD** concrete curb designation and **ADD** wall partition tag as indicated per attached revised sheet.
- 3) 7 – ENLARGED PLAN – WOMENS RR A108 / MENS RR A110, **ADD** concrete curb designation and **REVISE** wall partition tags as indicated per attached revised sheet.
- 4) 8 – ENLARGED PLAN – D111 – LEVEL 1 - WAREHOUSE, **ADD** concrete curb designation and **ADD** wall partition tag as indicated per attached revised sheet.
- 5) 10 – ENLARGED PLAN – STAIR A129 / ELEV. A128 – LEVEL 1, **ADD** concrete curb designation and **REVISE** wall partition tags as indicated per attached revised sheet.

AD No 2, Arch. Item 6: To the Drawings, Sheet A9.01, “TYPICAL DETAILS”

- 1) **REVISE** Detail 6. TYPICAL CONCRETE CURB DETAIL as indicated per attached revised sheet

END OF ARCHITECTURAL ADDENDUM

WE ARE **MORE.**

Architectural Items For
Addendum No. **#2**
Page 2 of 2



PLUMBING ITEMS FOR ADDENDUM NO. 2

NOTICE TO PROPOSERS:

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REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

PROJECT MANUAL:

AD No 2, Plumb. Item 1: To the Project Manual, Section 22 11 11, "NATURAL GAS PIPING,"

- 1) To paragraph 2.10 B.2, replaced "585" with "580"
- 2) To paragraph 3.01 C, replaced all "2.4" with "2.04"
- 3) To paragraph 3.01 E, replaced all "2.4" with "2.04"

AD No 2, Plumb. Item 2: To the Project Manual, Section 22 11 16, "DOMESTIC WATER PIPING,"

- 1) To paragraph 2.12 C, added "Uponor PEX-A with protective sleeve is acceptable provided no joints are installed below slab."
- 2) To paragraph 3.02 B.4, removed "Uponor (PEX-A)"

AD No 2, Plumb. Item 3: To the Project Manual, Section 22 13 16, "SANITARY WASTE AND VENT PIPING,"

- 1) To paragraph 3.01 B.1, removed "sanitary" and "excluding vents"
- 2) To paragraph 3.01 D, removed "SD"

AD No 2, Plumb. Item 4: To the Project Manual, Section 22 13 19, "SANITARY WASTE PIPING SPECIALTIES,"

- 1) To paragraph 2.01 C, removed "with 12" stainless steel rim" and added "all galvanized"
- 2) To paragraph 2.03 A, replaced "5790" with "5740" and replaced "stainless steel, side access" with "enameled cast iron"

AD No 2, Plumb. Item 5: To the Project Manual, Section 22 14 13, "STORM DRAINAGE PIPING,"

- 1) To paragraph 3.01 B.1, removed "sanitary" and "excluding vents"
- 2) To paragraph 3.01 C, replaced "2000" with "4000"
- 3) To paragraph 3.01 D, removed "SD"

AD No 2, Plumb. Item 6: To the Project Manual, Section 22 50 00, "VEHICLE FUELING AND FLUID SYSTEMS,"

- 1) To paragraph 2.04, replaced paragraph with "Existing pumps to remain and be reused for new fueling system."
- 2) To paragraph 2.08 A, added "Tie existing equipment into new fuel management system as needed."

DRAWINGS:

AD No 2, Plumb. Item 7: To the Drawings, Sheet P1.00, "PLUMBING SITE PLAN"

- 1) Relocated Ground hydrant to be at the side of the canopy.

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AD No 2, Plumb. Item 8: To the Drawings, Sheet P1.03, "PLUMBING FLOOR PLAN – LEVEL 1 – AREA B – OPERATIONS BUILDING,"

- 1) Corrected model numbers for the solids interceptors in the shop sinks.

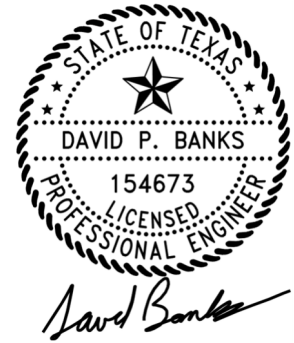
AD No 2, Plumb. Item 9: To the Drawings, Sheet P1.04, "PLUMBING FLOOR PLAN – LEVEL 1 – AREA D – WAREHOUSE,"

- 1) Removed note regarding solid interceptor, and changed fixture tag to SS-2 to indicate the interceptor.
- 2) Changed Floor drain type in laundry to be FD-3
- 3) Corrected model numbers for the solid interceptors in the shop sinks.

AD No 2, Plumb. Item 10: To the Drawings, Sheet P3.02, "PLUMBING DETAILS AND SCHEDULES,"

- 1) To the PLUMBING FIXTURES Schedule:
 - a. Replaced all flexible supplies with chrome plated copper risers.
 - b. LAV: changed to faucet holes 4" on centers
 - c. LAV-2: changed to glazed underside.
 - d. SK-2: added side spray faucet.
- 2) To the DRAINS, CLEANOUTS, AND HYDRANTS Schedule:
 - a. FD-3: changed to Zurn Model Z540.
 - b. FD-4: changed to Zurn Model Z550.
 - c. ESEW: added Bradley mixing valve.
 - d. GH: changed to Zurn Model S1385 and added concrete base.
 - e. WH: changed to Zurn Model Z132.

END OF PLUMBING ADDENDUM 2



MECHANICAL ITEMS FOR ADDENDUM NO. 2

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REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

DRAWINGS:

AD No 1, Mech. Item 1: To the Drawings, Sheet M1.02, "MECHANICAL FLOOR PLAN – LEVEL 1 – 2 – AREA A – C – OPERATIONS BUILDING,"

- 1) 2nd Floor - Add relief vent RV on roof.
- 2) A118 – Add CO2 sensor.
- 3) C152 – Add CO2 sensor.

AD No 1, Mech. Item 2: To the Drawings, Sheet M1.06, "MECHANICAL ROOF PLAN,"

- 1) Add relief vent RV.

AD No 1, Mech. Item 3: To the Drawings, Sheet M4.01, "MECHANICAL SCHEDULES,"

- 1) RELIEF VENT SCHEDULE: Add as indicated.

AD No 1, Mech. Item 4: To the Drawings, Sheet M5.02, "MECHANICAL DETAILS,"

- 1) Detail 1 – AHU COIL PIPING DETAIL: Revise 3-way valve on AHU as indicated.
- 2) Detail 2 – CVB/VAV COIL PIPING DETAIL: Remove note 5.

AD No 1, Mech. Item 5: To the Drawings, Sheet M6.01, "MECHANICAL SCHEMATICS,"

- 1) AHU-2 CONTROLS SCHEMATIC: Revise as indicated.

END OF MECHANICAL ADDENDUM

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ELECTRICAL ITEMS FOR ADDENDUM NO. 2

NOTICE TO PROPOSERS:

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REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

PROJECT MANUAL:

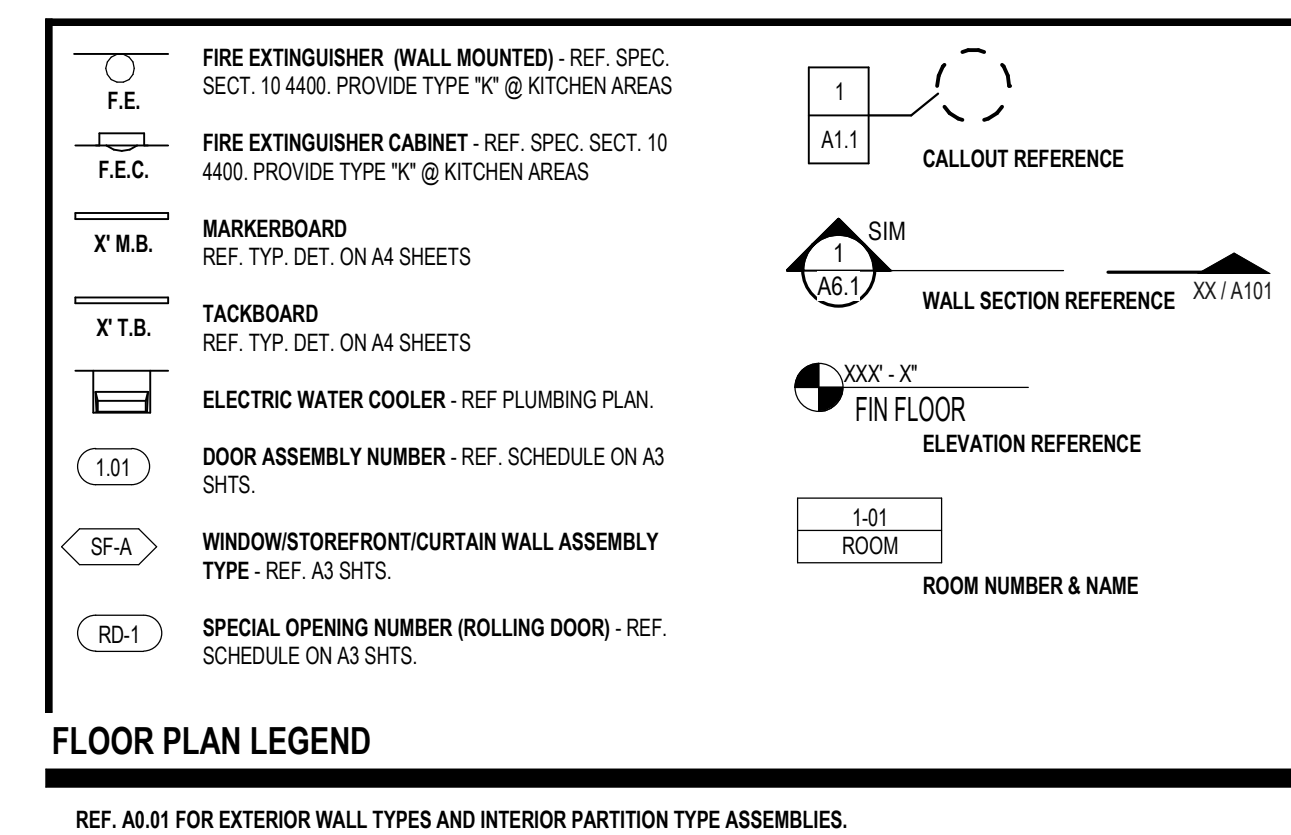
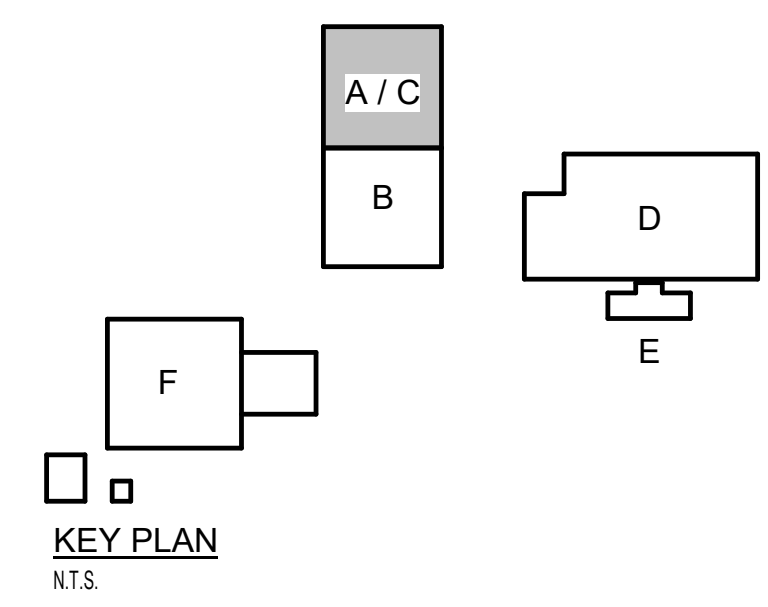
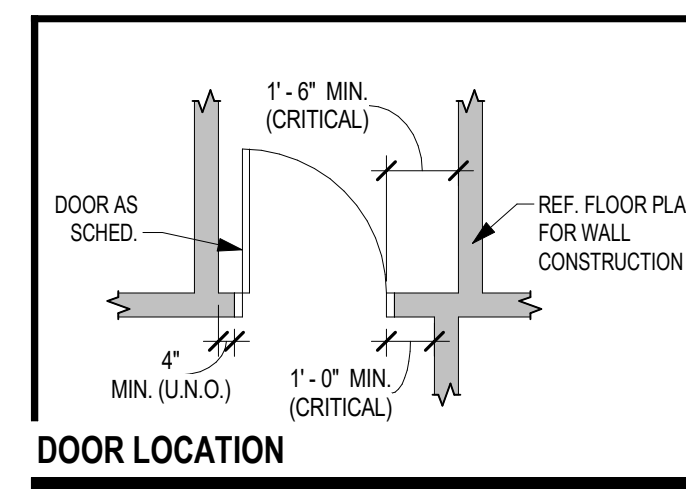
DRAWINGS:

AD No 1, Elec. Item 1: To the Drawings, Sheet E2.02, "LIGHTING REFLECTED CEILING PLAN – LEVEL 1 / 2 – AREA A / C"

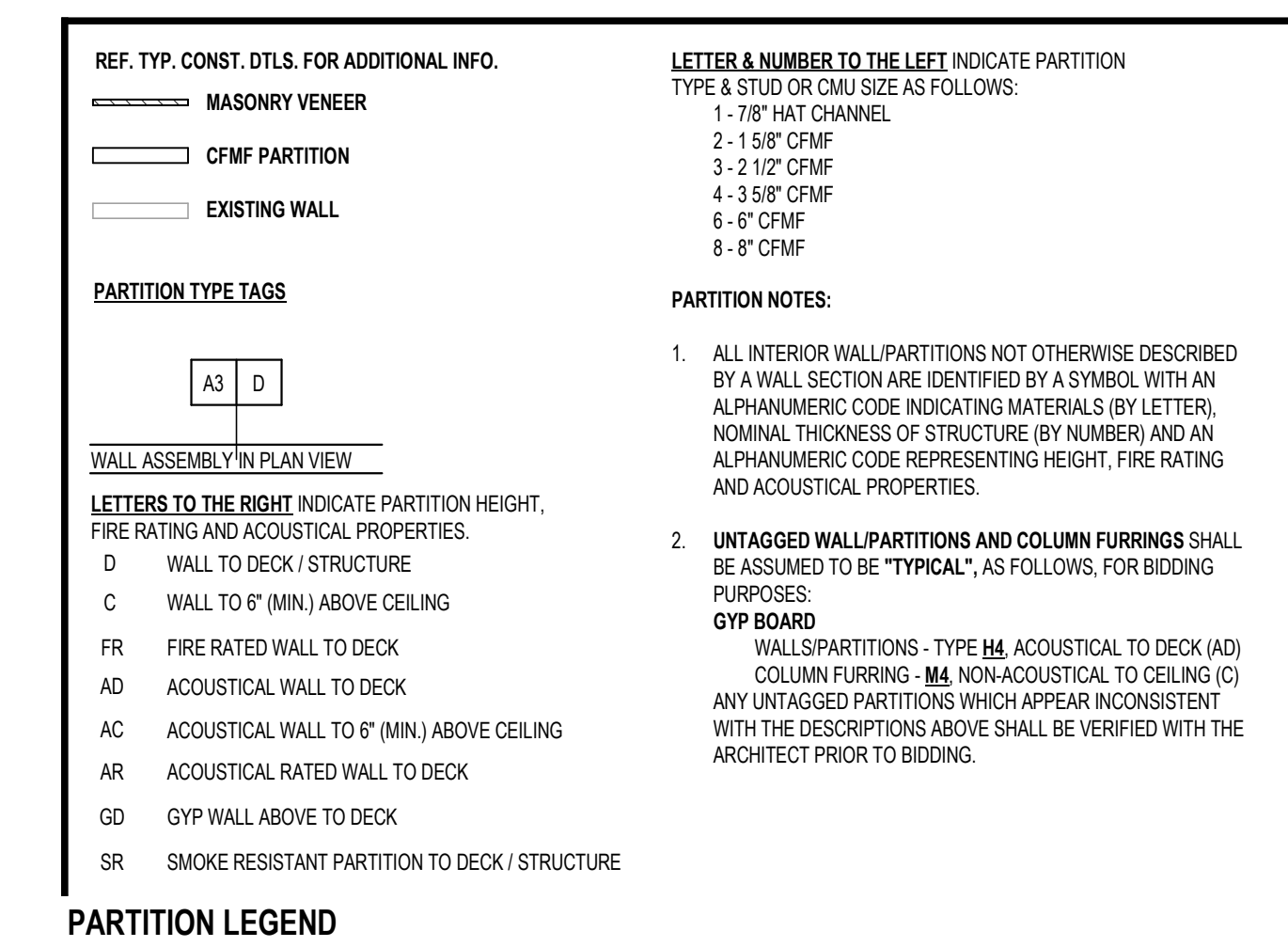
- 1) Revised lighting fixture layout.

END OF ELECTRICAL ADDENDUM

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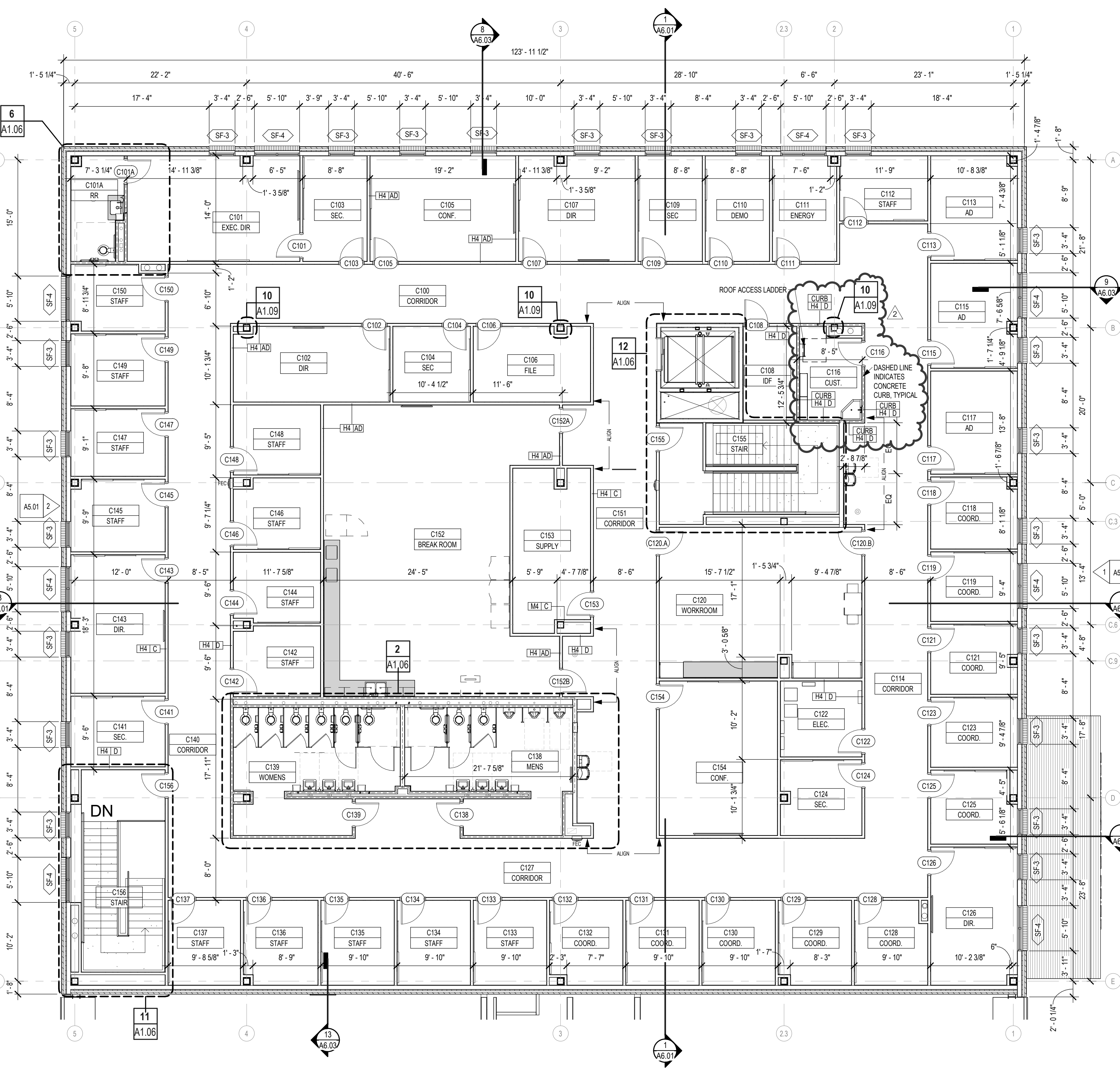
FLOOR PLAN LEGEND
REF. A0.01 FOR EXTERIOR WALL TYPES AND INTERIOR PARTITION TYPE ASSEMBLIES.



NOTES:

1. THE CONTRACT DOCUMENTS INCLUDE BOTH THE DRAWINGS AND THE SPECIFICATIONS.
2. ALL ARCHITECTURAL FLOOR PLAN DIMENSIONS SHOWN ARE TO FACE OF CMF, MASONRY OR CONCRETE, UNLESS NOTED OTHERWISE.
3. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
4. SEE SPECIFICATIONS AND A0.01 FOR ADDITIONAL MASONRY AND CMF PARTITION REQUIREMENTS.
5. SEE PLUMBING PLANS AND ENLARGED FLOOR PLANS FOR LOCATIONS OF FIXTURES.
6. REF. DOOR SCHEDULES AND DETAILS FOR MASONRY ROUGH OPENING SIZES.
7. VERIFY ALL MASONRY OPENINGS WITH MANUFACTURER'S PRODUCTS (E.G. FIRE EXTINGUISHER CABINETS, ELECTRICAL PANELS, ETC.).
8. PROVIDE FIRE RATED W.D. BLOCKING IN ALL GYP. BD. WALLS AS REV'D AT LOCATIONS INCLUDING, BUT NOT LIMITED TO: HALLWAYS, TOILET ACCESSORIES, PROJECTORS, CASEWORK, TACK BD'S, MARKER BD'S, WALL STOPS & DOOR HOLDERS.
9. REFERENCE AS SHEETS FOR ALL EQUIPMENT.

GENERAL FLOOR PLAN NOTES
APPLIES TO AREA PLANS

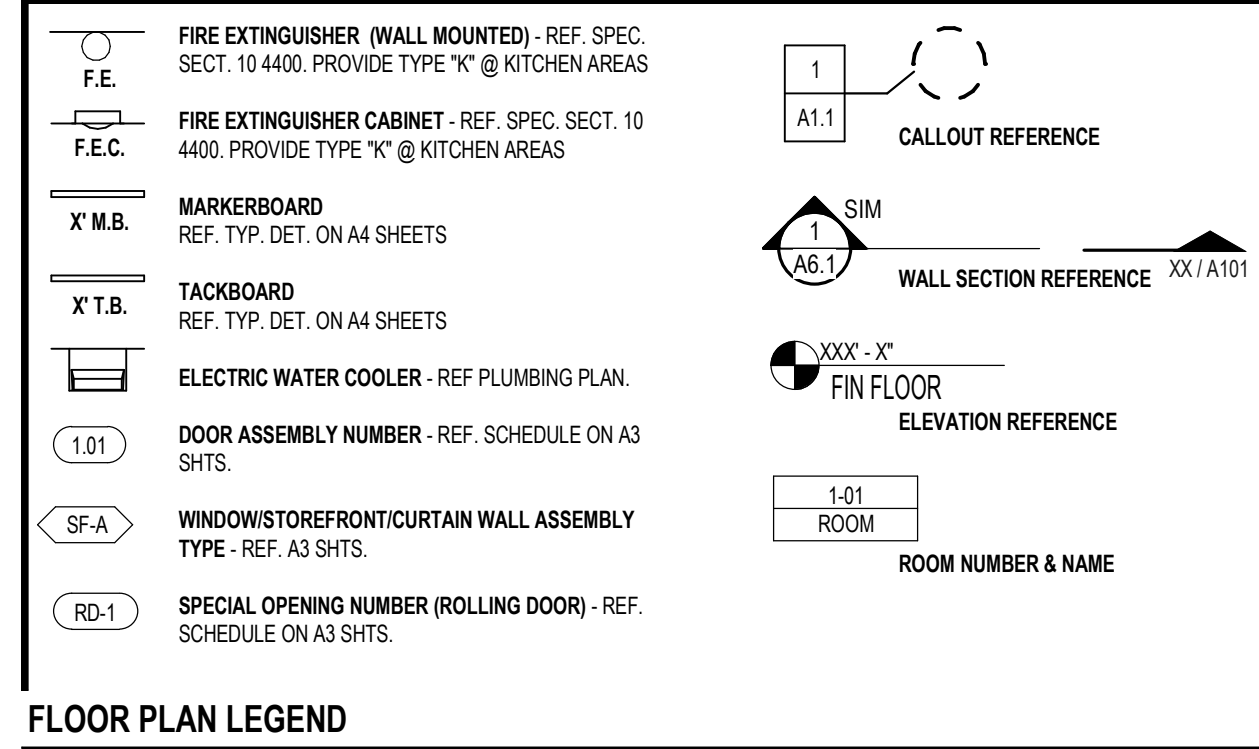


NOTES:

1. THE CONTRACT DOCUMENTS INCLUDE BOTH THE DRAWINGS AND THE SPECIFICATIONS.
2. ALL ARCHITECTURAL FLOOR PLAN DIMENSIONS SHOWN ARE TO FACE OF CMF, MASONRY OR CONCRETE, (U.N.O.)
3. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
4. SEE SPECIFICATIONS AND A5.01 FOR ADDITIONAL MASONRY AND CMF PARTITION REQUIREMENTS.
5. SEE PLUMBING PLANS AND ENLARGED FLOOR PLANS FOR LOCATIONS OF FIXTURES.
6. REF. DOOR SCHEDULES AND DETAILS FOR MASONRY ROUGH OPENING SIZES.
7. VERIFY ALL MASONRY OPENINGS WITH MANUFACTURERS' PRODUCTS (E.G. FIRE EXTINGUISHER CABINETS, ELECTRICAL PANELS, ETC.).
8. PROVIDE FIRE RATED WD. BLOCKING IN ALL GYP. BD. WALLS AS REQ'D AT LOCATIONS INCLUDING, BUT NOT LIMITED TO: HALLWAYS, TOILET ACCESSORIES, PROJECTORS, CASEWORK, TACK BD'S, MARKER BD'S, WALL STOPS & DOOR HOLDERS.
9. REFERENCE AS SHEETS FOR ALL EQUIPMENT.

GENERAL FLOOR PLAN NOTES

APPLIES TO AREA PLANS



REF. TYP. CONST. DTLS. FOR ADDITIONAL INFO.

- MASONRY VENEER**
- CMF PARTITION**
- EXISTING WALL**

PARTITION TYPE TAGS

A3 D

WALL ASSEMBLY IN PLAN VIEW

LETTERS TO THE RIGHT INDICATE PARTITION HEIGHT, FIRE RATING AND ACOUSTICAL PROPERTIES.

- D WALL TO DECK / STRUCTURE
- C WALL TO 6" (MIN.) ABOVE CEILING
- FR FIRE RATED WALL TO DECK
- AD ACOUSTICAL WALL TO DECK
- AC ACOUSTICAL WALL TO 6" (MIN.) ABOVE CEILING
- AR ACOUSTICAL RATED WALL TO DECK
- GO GYP WALL ABOVE TO DECK
- SR SMOKE RESISTANT PARTITION TO DECK / STRUCTURE

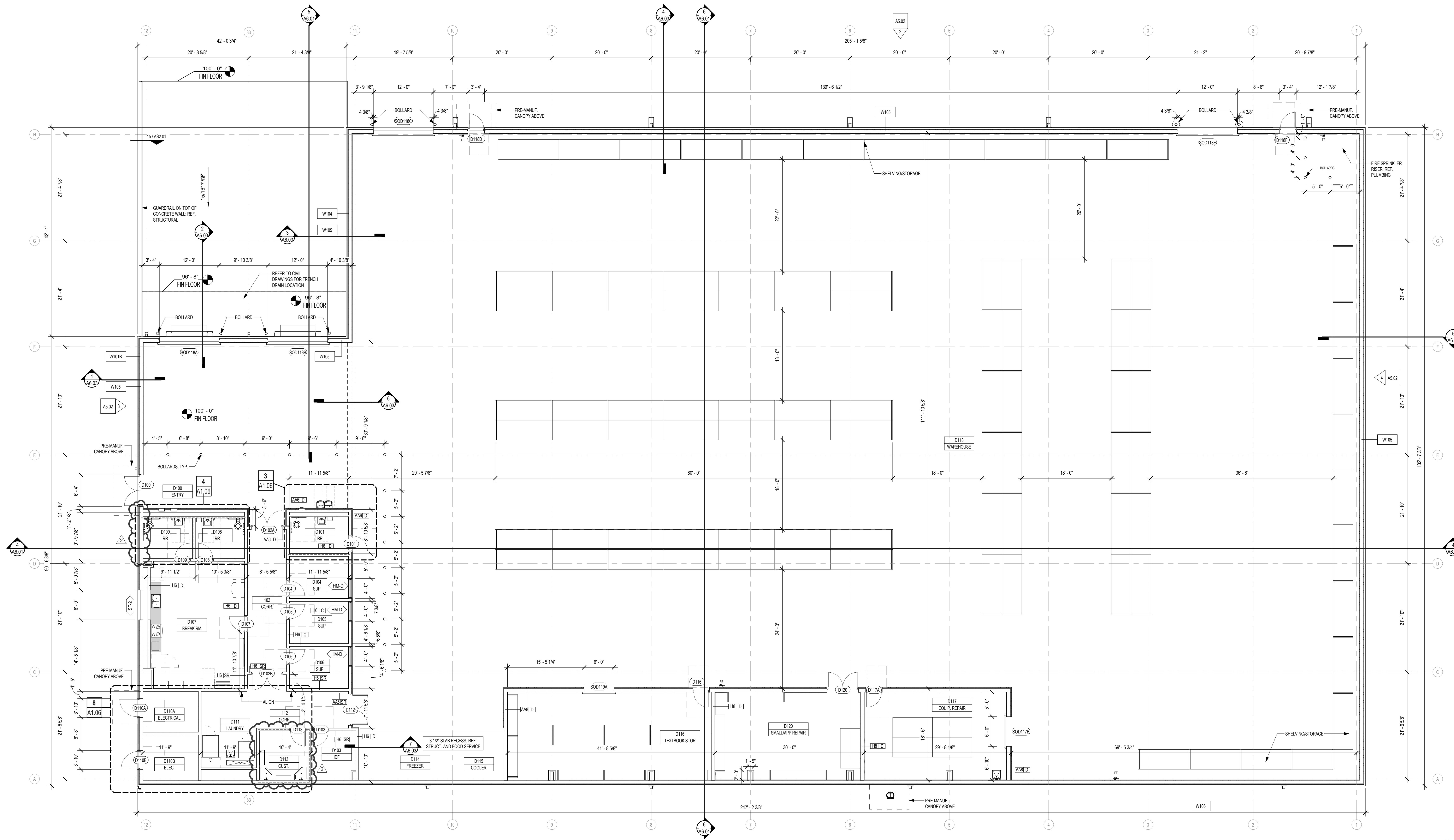
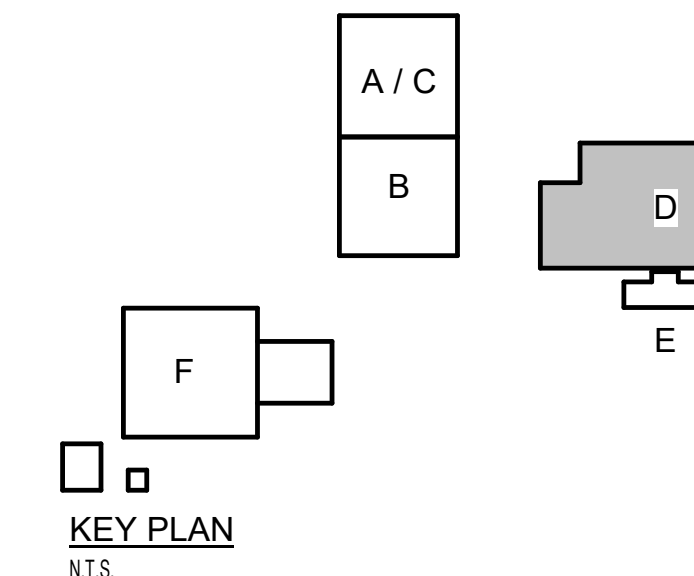
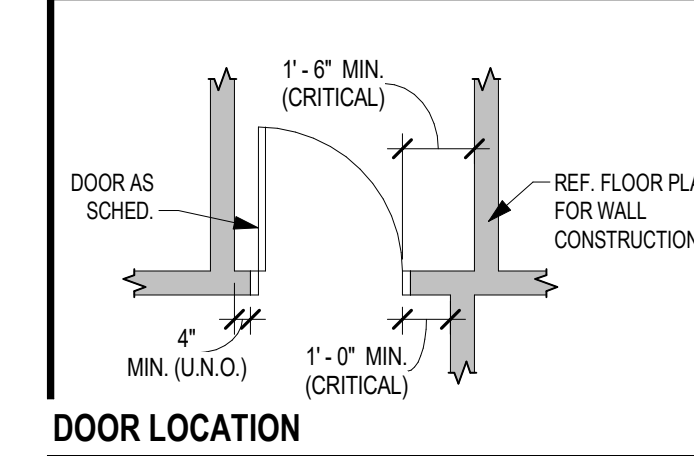
PARTITION LEGEND

LETTER & NUMBER TO THE LEFT INDICATE PARTITION TYPE & STUD OR CMU SIZE AS FOLLOWS:

- 1- 7/8" HAT CHANNEL
- 2- 1.58" CMF
- 3- 2 1/2" CMF
- 4- 3.58" CMF
- 6- 6" CMF
- 8- 8" CMF

PARTITION NOTES:

1. ALL INTERIOR WALL PARTITIONS NOT OTHERWISE DESCRIBED BY A WALL SECTION ARE IDENTIFIED BY A SYMBOL WITH AN ALPHANUMERIC CODE INDICATING MATERIALS (BY LETTER), NOMINAL THICKNESS OF STRUCTURE (BY NUMBER) AND AN ALPHANUMERIC CODE REPRESENTING HEIGHT, FIRE RATING AND ACOUSTICAL PROPERTIES.
2. UNTAGGED WALL PARTITIONS AND COLUMN FURRINGS SHALL BE ASSUMED TO BE "TYPICAL", AS FOLLOWS, FOR BIDDING PURPOSES:
GYP BOARD
WALLS/PARTITIONS - TYPE H6, ACOUSTICAL TO DECK (AD)
COLUMN FURRINGS - H6, NON-ACOUSTICAL TO CEILING (C)
ANY UNTAGGED PARTITIONS WHICH APPEAR INCONSISTENT WITH THE DESCRIPTIONS ABOVE SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO BIDDING.



1 FLOOR PLAN - LEVEL 1 - AREA D - WAREHOUSE

1/8" = 1'-0"

ADDENDUM 2

Date
01/29/26
Revision /
2

NEW OPERATIONS BUILDING
FOR
NEW CANEY I.S.D.
NEW CANEY, TEXAS

Project:



Huckabee

www.huckabee-inc.com
800.887.1229

FLOOR PLAN - LEVEL 1 -
AREA D - WAREHOUSE

Job No.
191-45-01
Sheet No.
A1.04
Drawn By:
JT
Date:
01/09/2026
ISSUED FOR BID

30" x 48" CLEAR FLOOR SPACE PER ACCESSIBILITY REQUIREMENTS

5' - 0" DIAMETER TURNING SPACE PER ACCESSIBILITY REQUIREMENTS

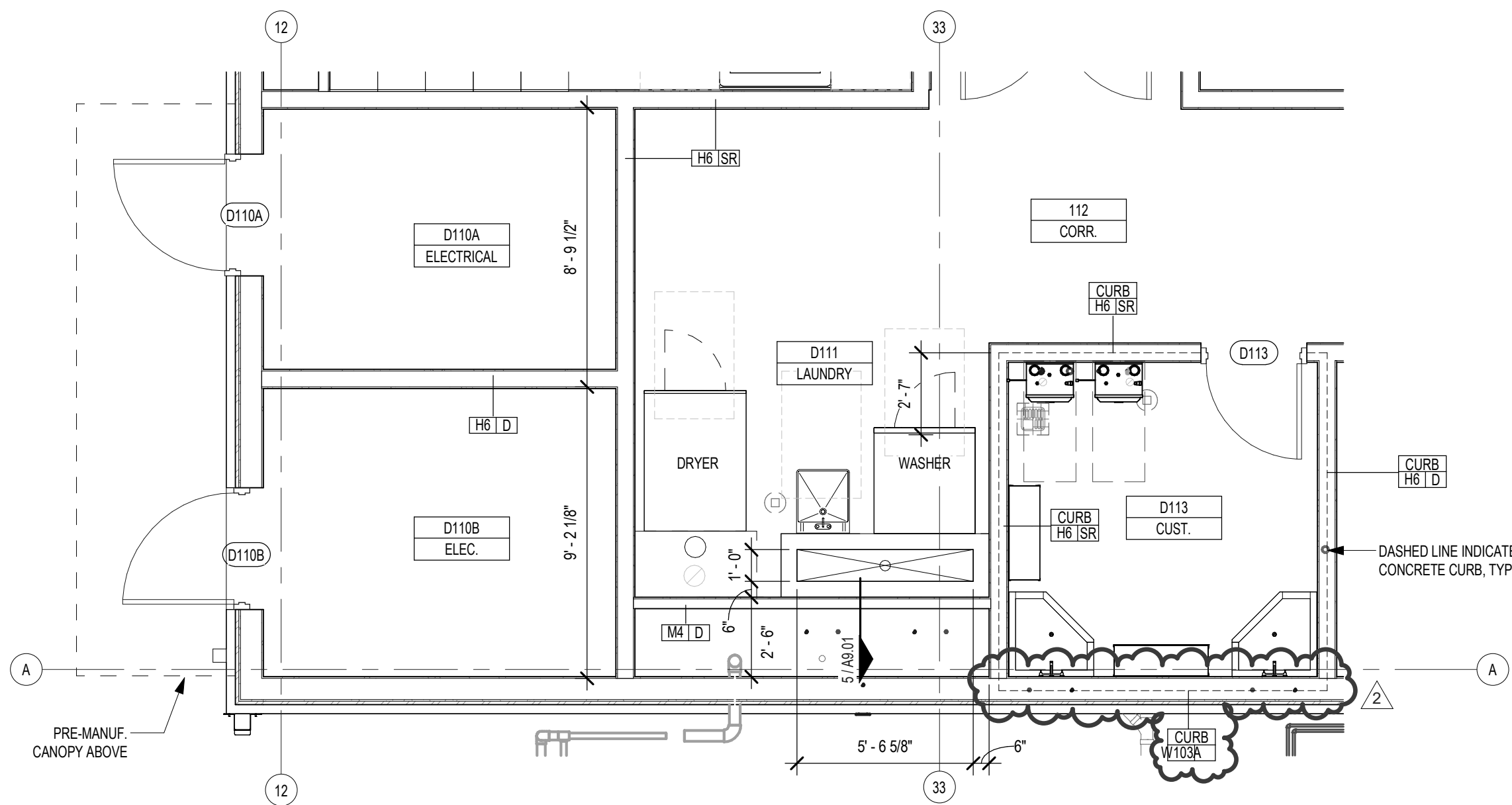
PLAN LEGEND

- FOR ACCESSIBLE FIXTURES & ACCESSORIES REFER TO SHEET A1.08 "TOILET ACCESSORIES AND PLUMBING FIXTURES" FOR MOUNTING HEIGHTS & ACCESSIBILITY REQUIREMENTS. THE ACCESSORIES ARE CALLED OUT IN THE INDIVIDUAL STALL / ROOM TYPES / SHOWER TYPES.
- FIXTURES THAT STAND ALONE WILL BE TAGGED W/ A SYMBOL: LAVS, URINAL'S & EWCS (L1) (L2)
- PROVIDE PIPE INSULATION AS SPECIFIED AT ALL EXPOSED PIPING AND DRAIN AT ACCESSIBLE LAVATORIES.

GENERAL NOTES

C1 T1 S1

DASHED LINE INDICATES CONCRETE CURB, TYPICAL



NEW OPERATIONS BUILDING
FOR
NEW CANEY I.S.D.
NEW CANEY, TEXAS

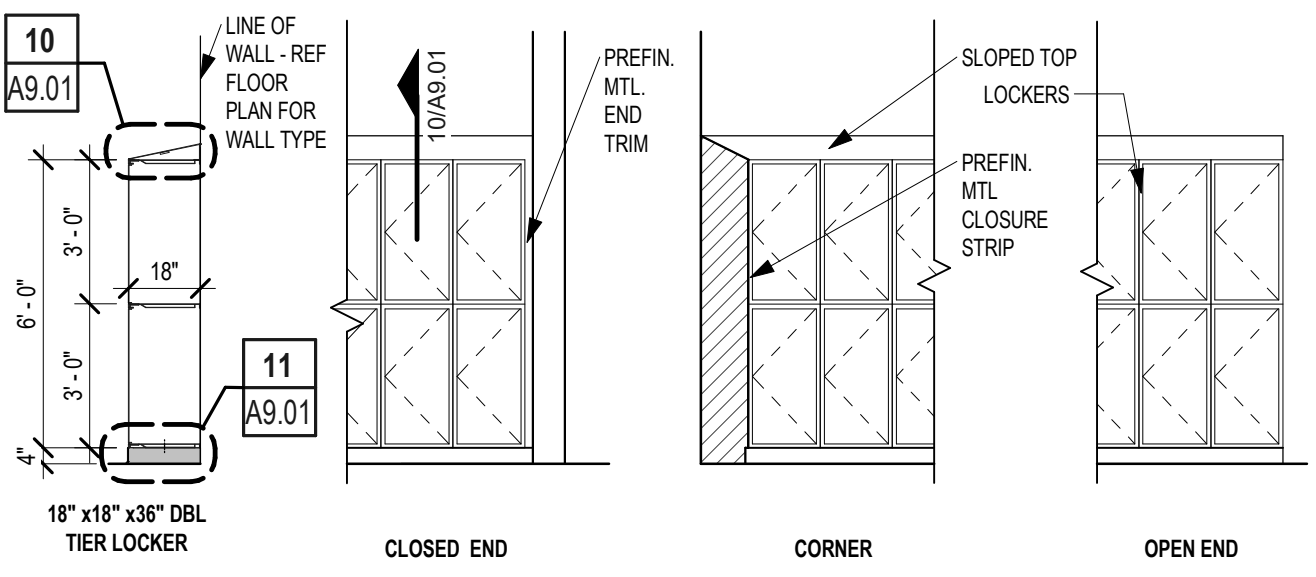
Project:



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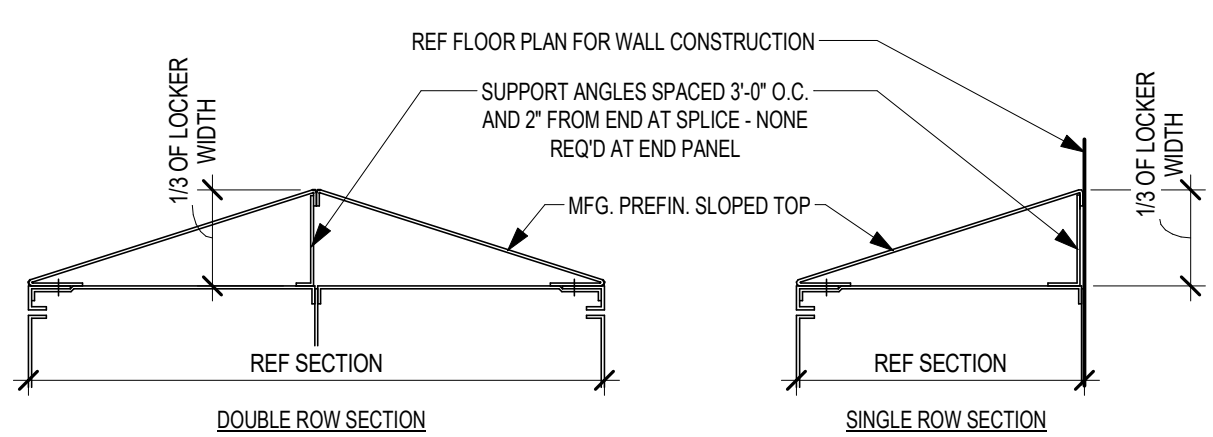
TYPICAL DETAILS

PACKAGE		VOLUME
Job No. 197145-01	Sheet No.	
Drawn By: JT	A9.01	
Date: 01/09/2026	ISSUED FOR BID	

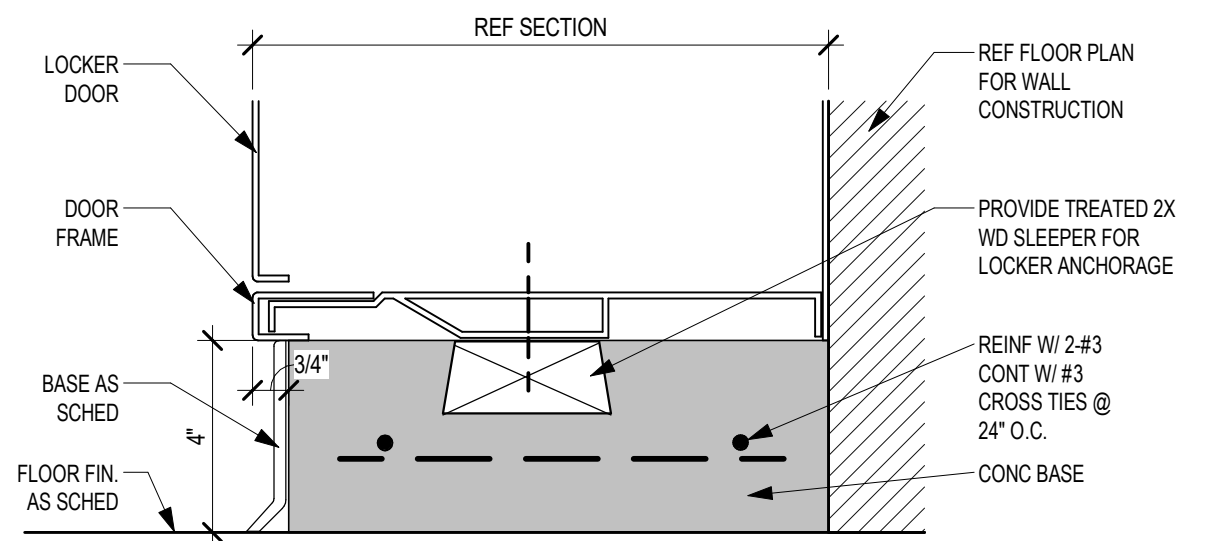


REFER TO FLOOR PLANS FOR OCCURRENCE & QUANTITIES OF TYPICAL CONDITIONS

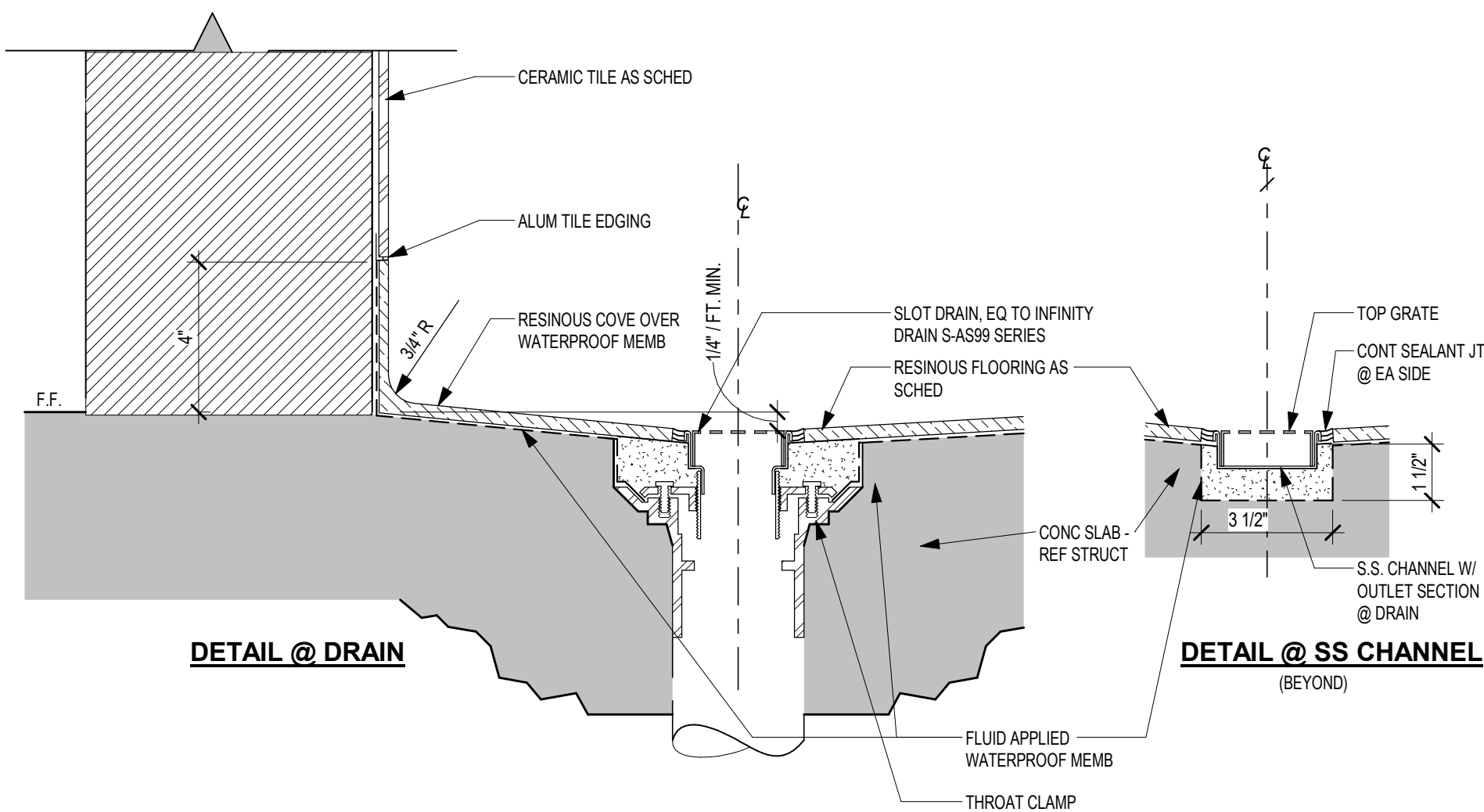
9 TYP LOCKER SECT & ELEVS - DBL TIER (18x18x36)
1/4" = 1'-0"



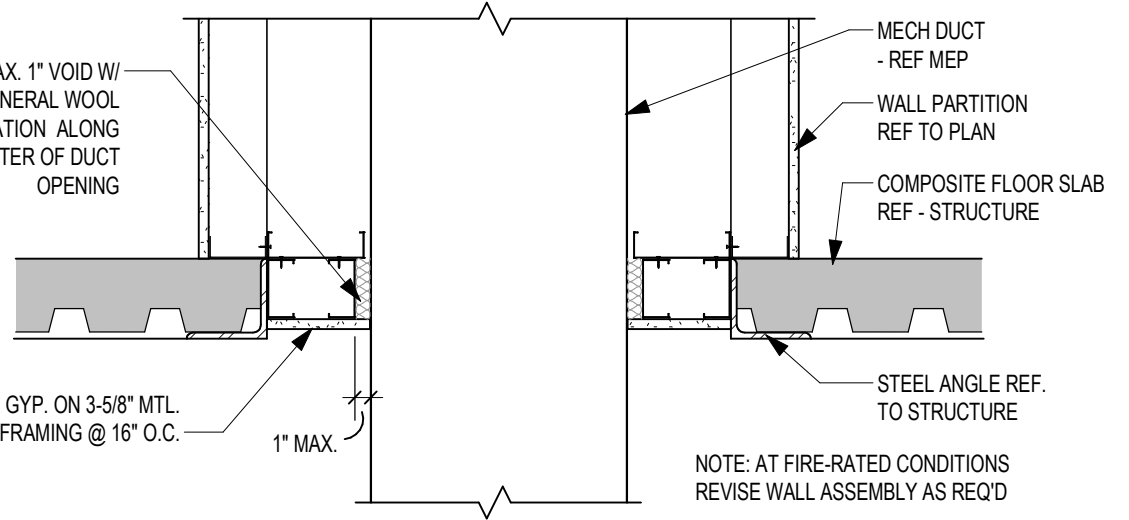
10 SLOPED TOP DETAILS
1 1/2" = 1'-0"



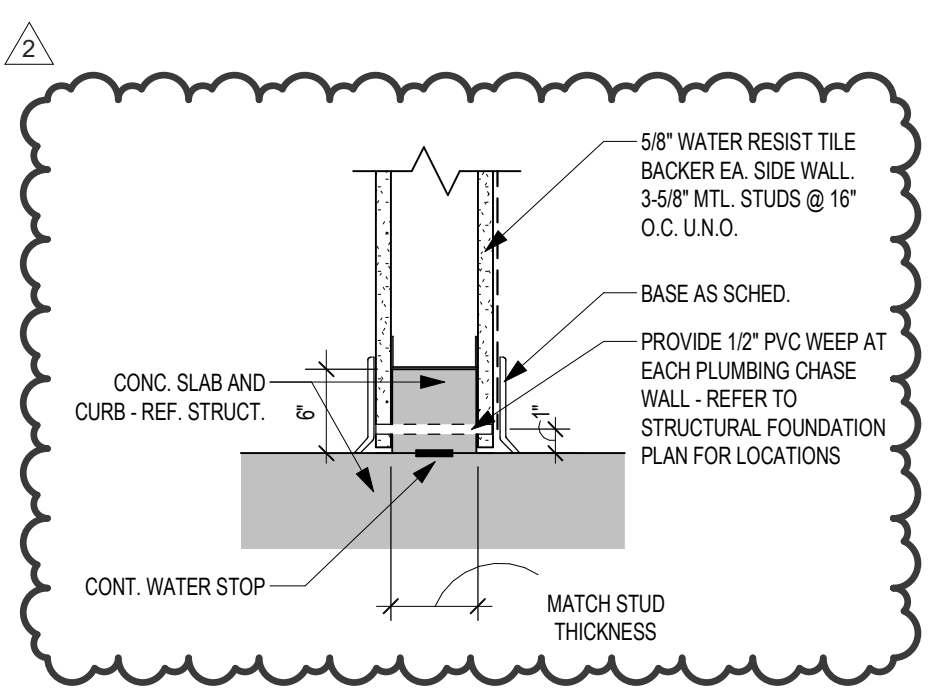
11 TYP 4" LOCKER BASE
3" = 1'-0"



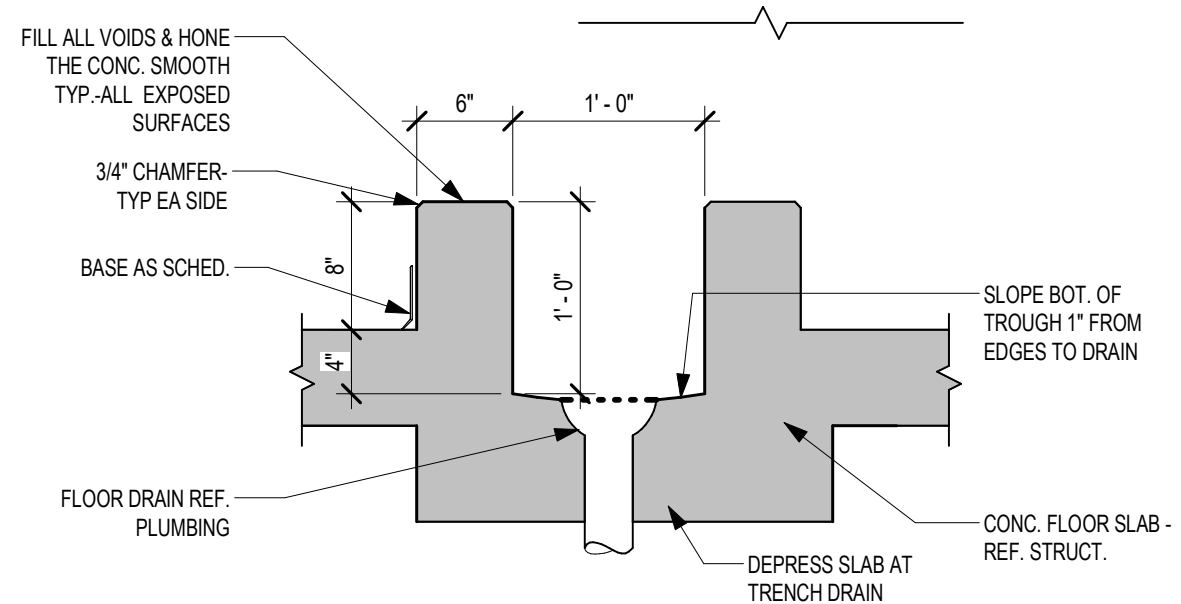
8 SLOT DRAIN DETAIL @ RESINOUS FLOORING
3" = 1'-0"



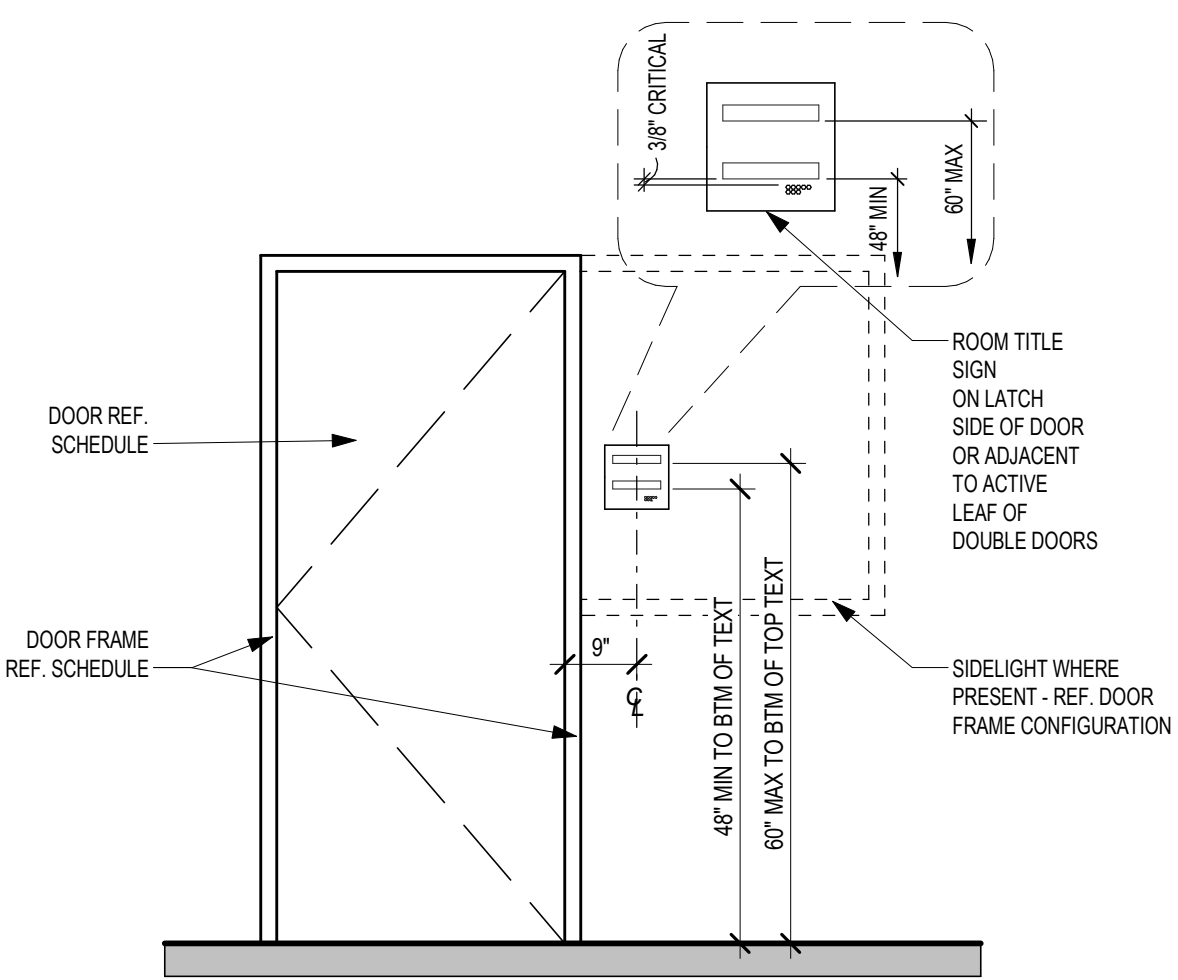
7 TYP DUCT DRAFT STOPPING DETAIL
1" = 1'-0"



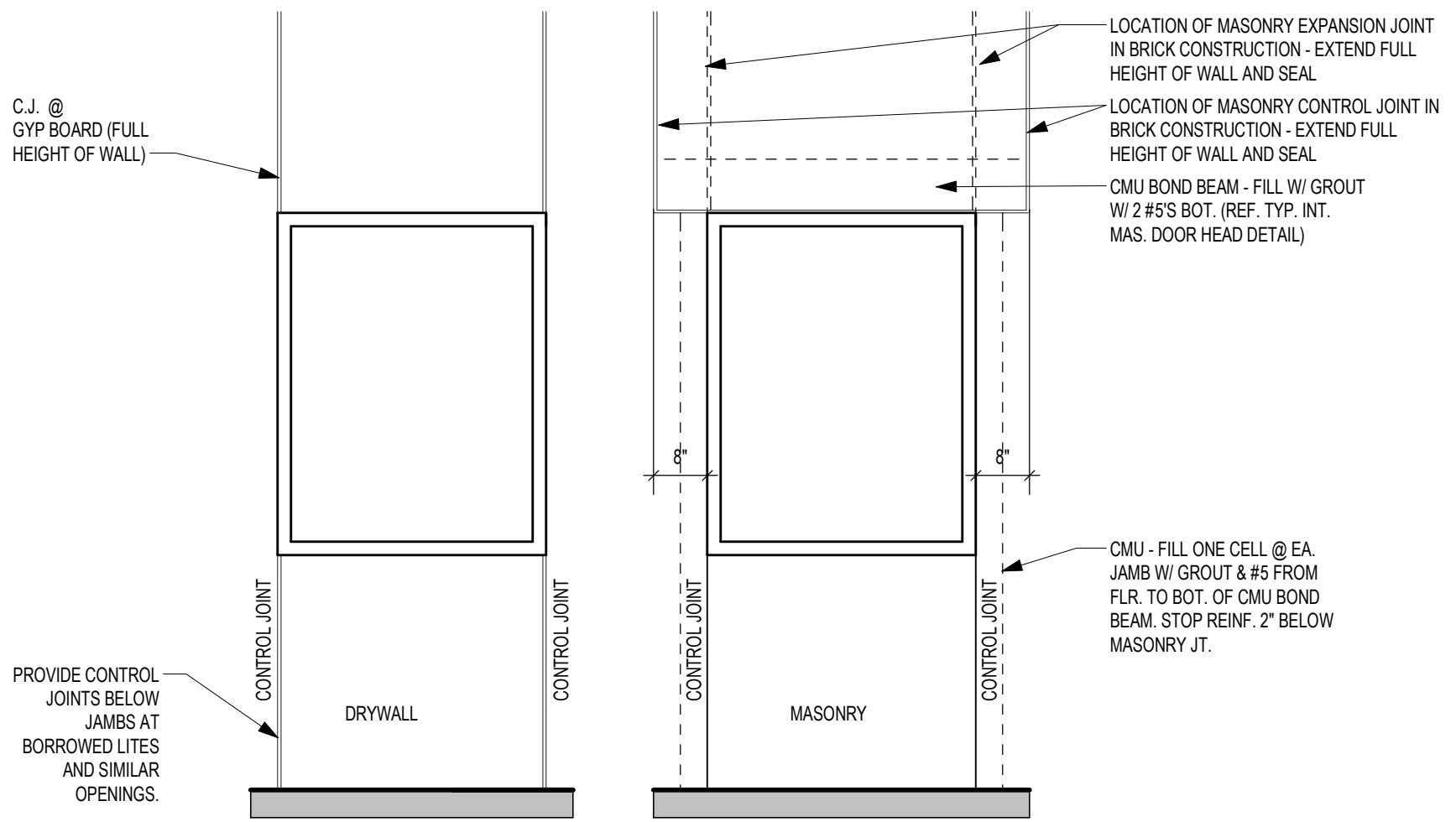
6 TYPICAL CONCRETE CURB DETAIL
1 1/2" = 1'-0"



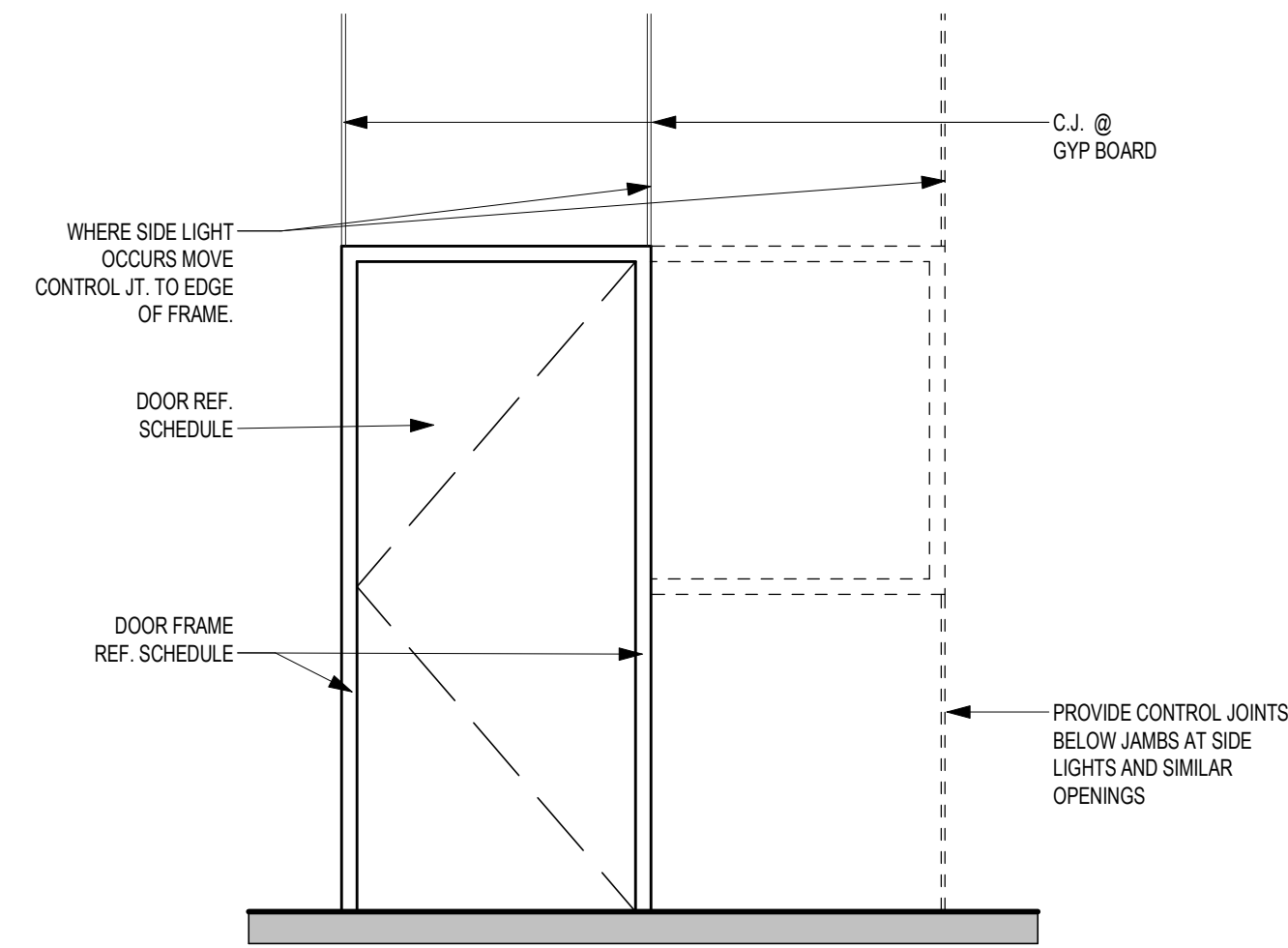
5 TYP. LAUNDRY TRENCH SECTION
1" = 1'-0"



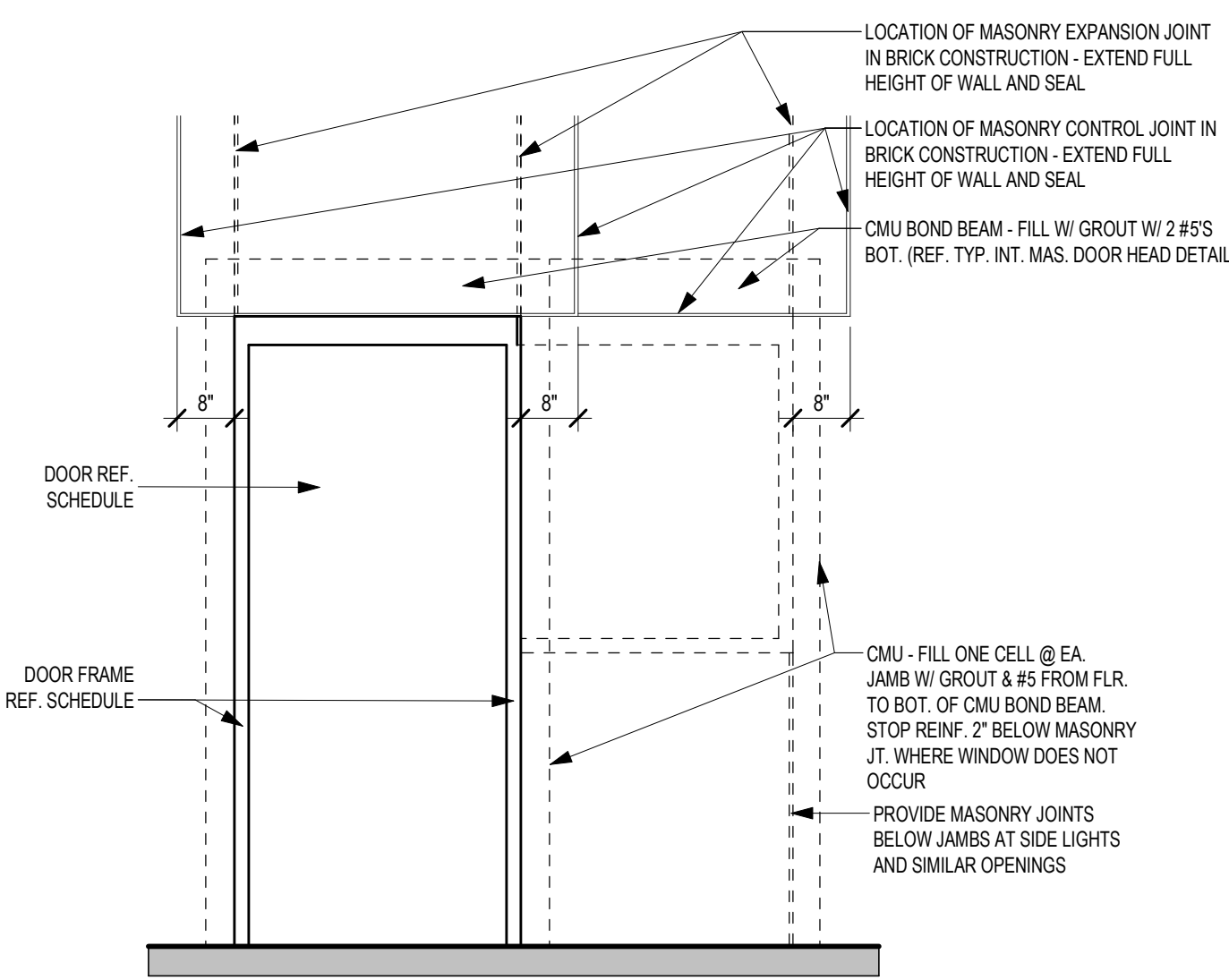
4 TYP SIGNAGE LOCATION
1/2" = 1'-0"



3 TYP CONTROL JOINT @ WINDOW FRAME - MASONRY, DRYWALL
1/2" = 1'-0"



2 TYP CONTROL JOINT @ DOOR FRAME - DRY WALL
1/2" = 1'-0"

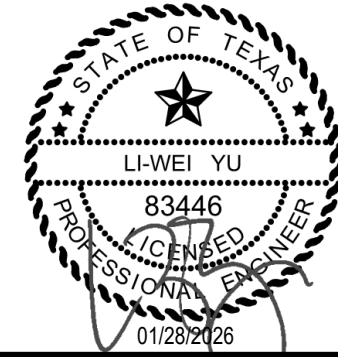


1 TYP CONTROL JOINT @ DOOR FRAME- MASONRY
1/2" = 1'-0"

Date	Revision /	ADD 1	ADD 2
01/23/20	1	26	26
01/28/20	2		

NEW OPERATIONS BUILDING
FOR
NEW CANEY I.S.D.
NEW CANEY, TEXAS

Project:

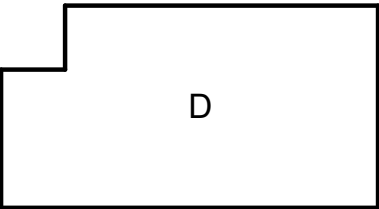


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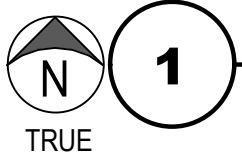
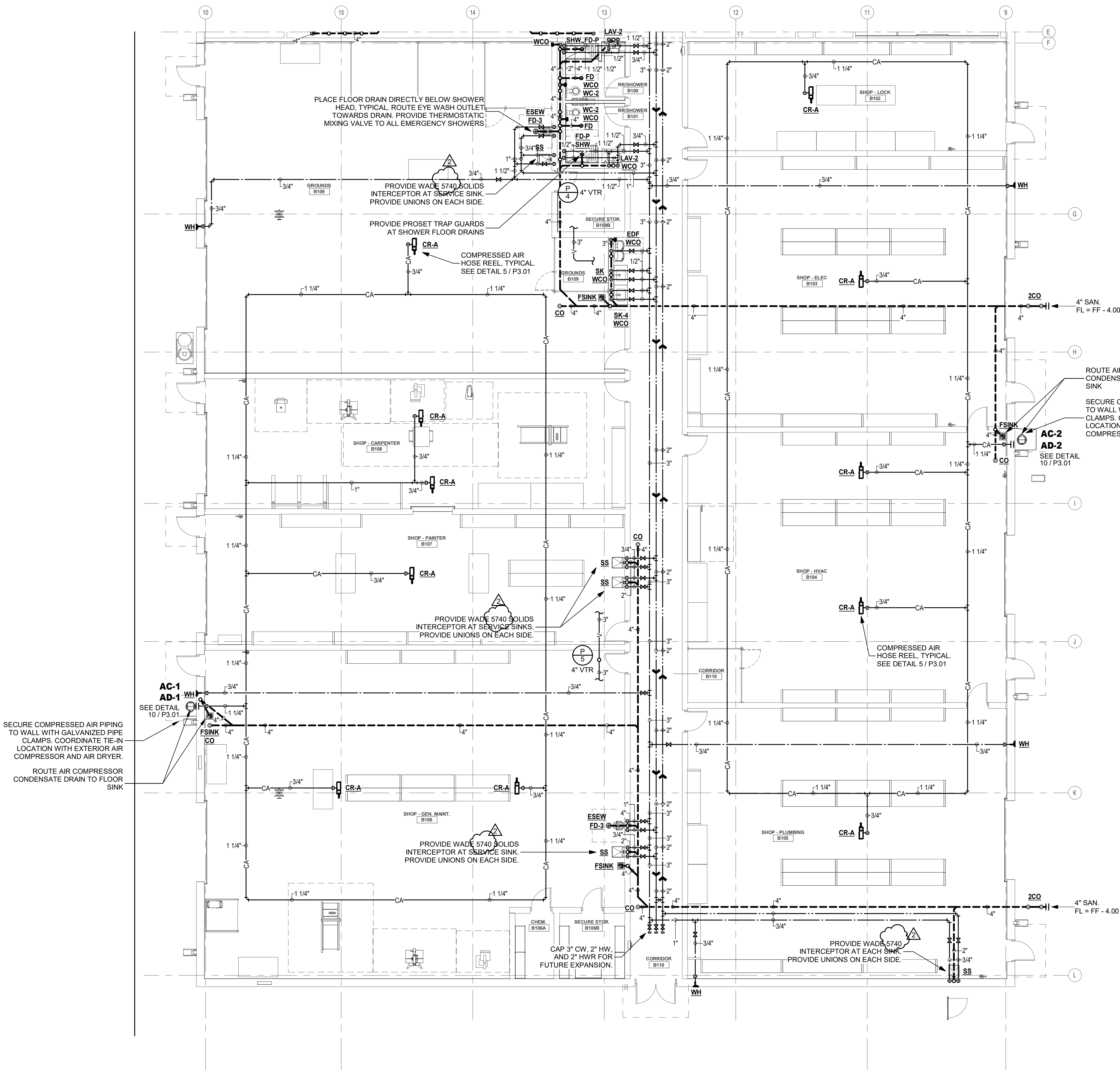
PLUMBING FLOOR PLAN -
LEVEL 1 - AREA B -
OPERATIONS BUILDING

Job No. 1971-05-01	Sheet No. ISSUED FOR BID
Drawn By: JST/A	P1.03
Date: 01/08/2025	ISSUED FOR BID

LTY
ENGINEERS
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HOUSTON, TX 77024
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A / C
B
KEY PLAN N.T.S.

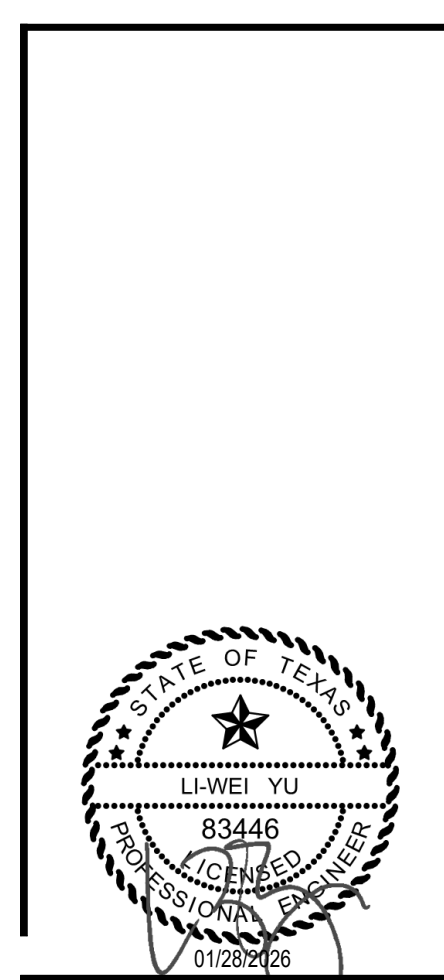


PLUMBING FLOOR PLAN - LEVEL 1 - AREA B - OPERATIONS BUILDING

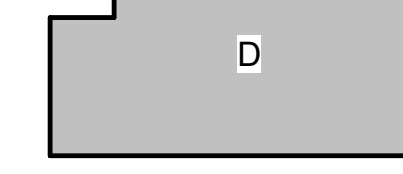
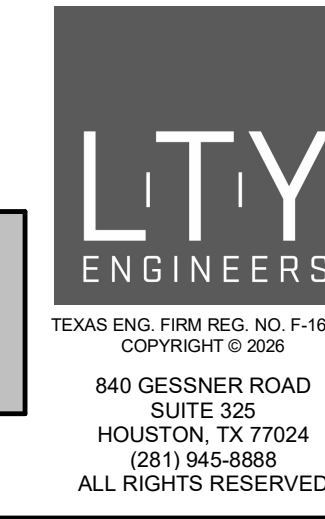
SCALE= 1/8" = 1'-0"

Date	Revision /
01/23/20	1
ADD 1	26
ADD 2	26

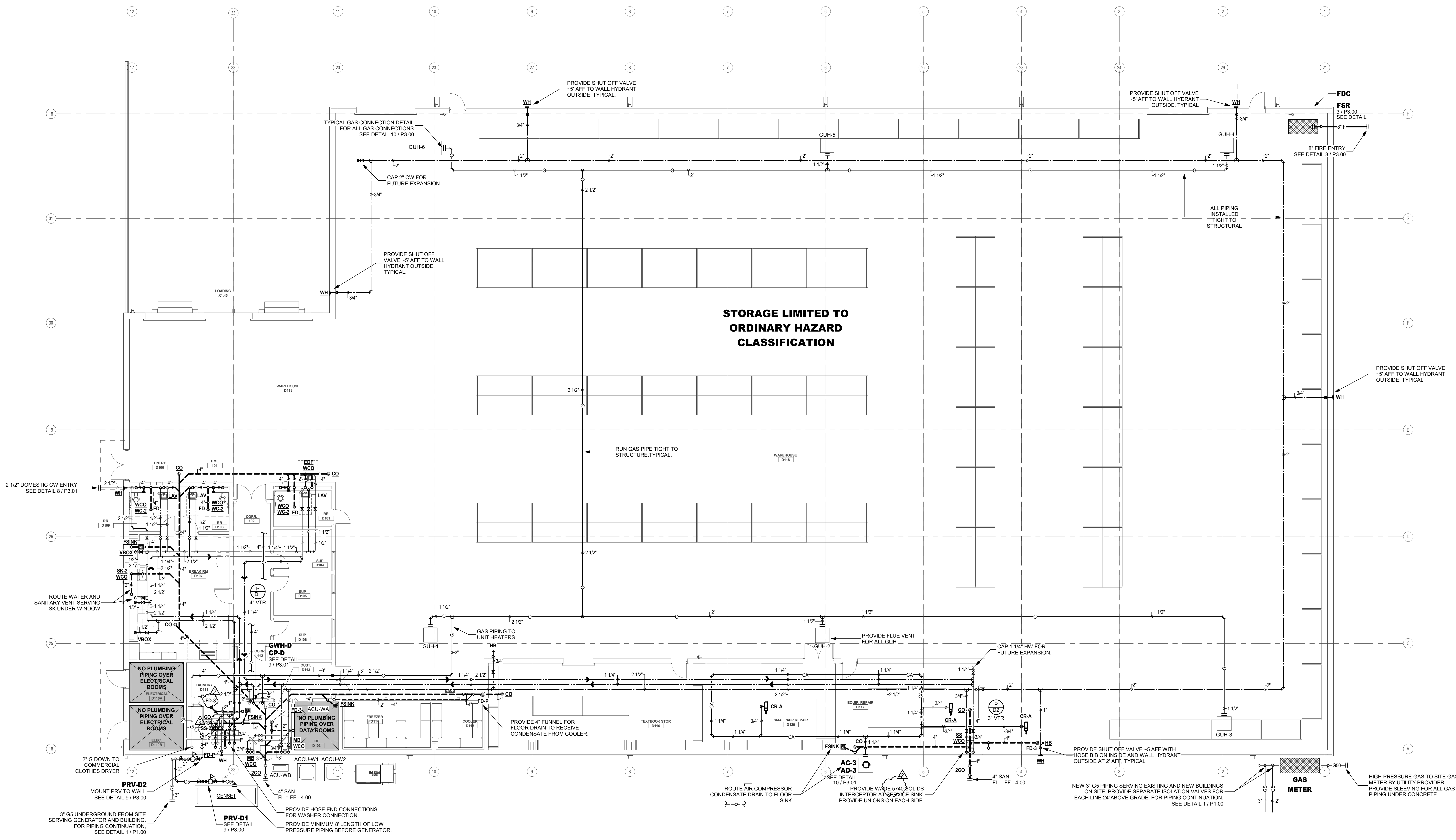
NEW OPERATIONS BUILDING
FOR
NEW CANEY I.S.D.
NEW CANEY, TEXAS



Job No.	Sheet No.
1971-05-01	ISSUED FOR BID
Drawn By:	JSTJA
Date:	01/08/2026
ISSUED FOR BID	



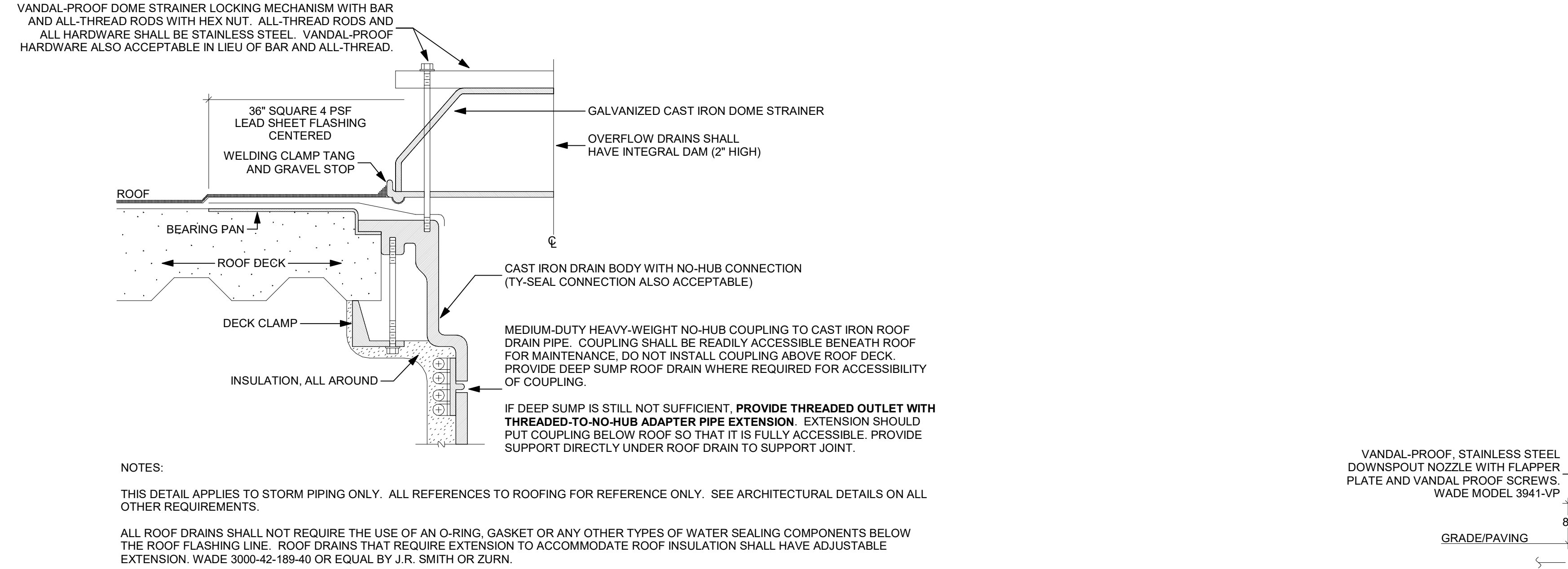
A / C
B
KEY PLAN NTS



1 PLUMBING FLOOR PLAN - LEVEL 1 - AREA D - WAREHOUSE
SCALE= 1/8" = 1'-0"
TRUE

MARK	DESCRIPTION	CONNECTION SIZE				SPECIFICATION
		SS	SV	CW	HW	
WC	WATER CLOSET	4"	2"	1"	-	WATER CLOSET - CARRIER MOUNTED, WHITE VITREOUS CHINA, CERAMIC GLAZING, SIPHON JET ACTION, 1.28 GPF, ELONGATED BOWL, TOP SPUD, ADA/ATAS COMPLIANT, AMERICAN STANDARD AFWALL MILLENIUM 3301, 101; SLOAN ROYAL 111-1, 28 FLUSH VALVE WITH VANDAL-PROOF FREE-SPINNING TOP CAP, 1.28 GPF, VANDAL-PROOF STOP AND ADA/ATAS COMPLIANT LEVER ACTUATOR WITH LEVER, INSTALLED ON LEFT SIDE (FOR FIXTURES DESIGNATED AS "HANDICAP", INSTALL LEVER ON "WIDE-SIDE" OF TOILET STALL); BEMIS 1655-SS/C EXTRA HEAVY DUTY, WHITE, OPEN FRONT SEAT LESS COVER WITH SELF-SUSTAINING, STAINLESS STEEL CHECK HINGE; 1000 LB RATED FLOOR MOUNTED CARRIER. SAME AS TYPE "WC" EXCEPT WITH FLUSH VALVE TRAP PRIMER INSTALLED PER DETAIL 3/P3.01.
WC-2	WATER CLOSET WITH FLUSH VALVE TRAP PRIMER	4"	2"	1"	-	
UR	URINAL	2"	2"	3/4"	-	WALL MOUNTED, WHITE VITREOUS CHINA, CERAMIC GLAZING, WASHOUT ACTION, 0.5 GPF, WATERSENSE LABELED, MINIMUM 14" ELONGATED RIM, EXTENDED PRIVACY SHIELDS, 3/4" TOP SPUD, ADA/ATAS COMPLIANT, AMERICAN STANDARD AFWALL MILLENIUM 3301, 101; SLOAN ROYAL 111-1, 28 FLUSH VALVE WITH VANDAL-PROOF FREE-SPINNING TOP CAP, VANDAL-PROOF STOP AND ADA/ATAS COMPLIANT LEVER ACTUATOR WITH LEVER, INSTALLED ON LEFT SIDE (FOR FIXTURES DESIGNATED AS "HANDICAP", INSTALL LEVER ON "WIDE-SIDE" OF TOILET STALL); BEMIS 1655-SS/C EXTRA HEAVY DUTY, WHITE, OPEN FRONT SEAT LESS COVER WITH SELF-SUSTAINING, STAINLESS STEEL CHECK HINGE; 1000 LB RATED FLOOR MOUNTED CARRIER. SAME AS TYPE "WC" EXCEPT WITH FLUSH VALVE TRAP PRIMER INSTALLED PER DETAIL 3/P3.01.
LAV	WALL HUNG LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	WALL HUNG, WHITE VITREOUS CHINA, FAUCET HOLES 4" ON CENTERS, OVERFLOW HOLE, SELF-DRAINING DECK AREA, 21" X 18", 4" MAXIMUM FRONT LIP DEPTH, 1/2" MAXIMUM INTEGRAL BACKSPASH HEIGHT, ADA/ATAS COMPLIANT AMERICAN STANDARD LUCERNE MODEL 3355 012, MANUAL, NON-METERING, DECK MOUNTED, 4" FIXED CENTERS, CERAMIC CARTRIDGES, 2.2 GPM AERATOR, FULLY VANDAL-PROOF, CHICAGO MODEL 802-ABCP ONLY; CHROME PLATED, 17-GAUGE CAST BRASS GRID DRAIN WITH WHEELCHAIR OFFSET FITTING, CHROME PLATED, 17-GAUGE, CAST BRASS P-TRAP WITH CLEANOUT PLUG, CHROME PLATED, CAST BRASS, LOOSE KEY ANGLE STOP WITH CHROME PLATED COPPER RISERS; TRUEBRO HANDI LAV-GUARD VANDAL-PROOF, WHITE INSULATION KITS, FLOOR MOUNTED, CONCEALED ARMS CARRIER, INSTALL UNDER LAV MIXING VALVE ON HW SUPPLY SIDE OF FAUCET PER DETAIL 2/P3.01.
LAV-2	UNDERMOUNT RESTROOM LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	UNDERMOUNT TYPE, WHITE VITREOUS CHINA, GLAZED UNDERSIDE, ADA/ATAS COMPLIANT 21" X 15" AMERICAN STANDARD STUDIO MODEL 0614.300; MANUAL, NON-METERING, DECK MOUNTED, 4" FIXED CENTERS, CERAMIC CARTRIDGES, 2.2 GPM AERATOR, FULLY VANDAL-PROOF, CHICAGO MODEL 802-ABCP ONLY; CHROME PLATED, 17-GAUGE CAST BRASS GRID DRAIN WITH WHEELCHAIR OFFSET FITTING, CHROME PLATED, 17-GAUGE, 1-1/4" CAST BRASS P-TRAP WITH CLEANOUT PLUG; CHROME PLATED, CAST BRASS, LOOSE KEY ANGLE STOP WITH CHROME PLATED COPPER RISERS, TRUEBRO HANDI LAV-GUARD VANDAL-PROOF, WHITE INSULATION KITS; INSTALL UNDER LAV MIXING VALVE ON HW SUPPLY SIDE OF FAUCET PER DETAIL 2/P3.01.
SH	SHOWER VALVE ASSEMBLY	-	-	1/2"	1/2"	HANDICAP SAFETY MIX SHOWER - TILE ENCLOSURE, FOLD-DOWN SEAT, SHOWER CURTAIN AND ROD, GRAB BARS AND SOAP DISH BY OTHERS, SHOWER VALVE ASSEMBLY SHALL BE SYMMONS SAFETYMIX PRESSURE BALANCING MIXING VALVE WITH SINGLE BLADE BRASS LEVER HANDLE AND ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN (SET AT 110° MAX), LEVER/TROL BRASS DIVERTER WITH INTEGRAL VOLUME CONTROL, SYMMONS 285 FREE-TO-ALL BRASS, VANDAL-PROOF, FIXED SHOWER HEAD WITH ADJUSTABLE METAL HOSE, IN-LINE VACUUM BREAKER, QUICK DISCONNECT, WALL CONNECTION AND FLANGE AND 30" METAL SLIDE BAR FOR HAND SHOWER MOUNTING; INTEGRAL SERVICE STOPS; AND, ALL MOUNTING FASTENERS FOR VALVE AND SHOWER HEAD SHALL BE VANDAL-PROOF. SYMMONS SAFETYMIX 1-117-FS-830-X-295-QD, ENTIRE INSTALLATION SHALL MEET ALL REQUIREMENTS OF THE ADA AND THE TEXAS ACCESSIBILITY STANDARDS.
SK	ADA WORK SINK	1 1/2"	1 1/2"	1/2"	1/2"	DOUBLE COMPARTMENT, 18-GAUGE STAINLESS STEEL WITH STAINLESS STEEL CHANNELS, ADA/ATAS COMPLIANT, DRAINS IN REAR-CENTER OF BOWLS, FULLY UNDERCOATED AND SOUND DEADENED, FOUR (4) FAUCET HOLES, 3" X 19" X 6-1/2" DEEP, ELKAY MODEL LR4D-331985; FAUCET SHALL HAVE DUAL LEVER HANDLES, BRASS CONSTRUCTION, 1.5 GPM, DECK MOUNT, COLD AND TEMPERED SUPPLIES, INTEGRAL 8" FIXED CENTERS, ANTISCALD ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE, VANDAL-PROOF, CHROME PLATED, 8" HIGH ARC STOP, CHICAGO MODEL 201-AH48-ABCP-SIDE SPRAY, ELKAY LA-89 DRAIN OUTLETS WITH HEAVY-GAUGE STAINLESS STEEL BODY, REMOVABLE STAINLESS STEEL BASKET WITH LOCKING SHIELD, AND RUBBER STOPPER ON BOTTOM; CHROME PLATED, 17-GAUGE CAST BRASS P-TRAP WITH CLEANOUT PLUG; CHROME PLATED, 17-GAUGE CAST BRASS CONTINUOUS DRAIN FITTING, CHROME PLATED, CAST BRASS, LOOSE KEY ANGLE STOPS WITH CHROME PLATED COPPER RISERS; INSTALL DISPOSER ON DRAIN OUTLET WHERE SHOWN IN DRAWINGS - SEE ARCHITECTURAL FOR DISPOSER SPECIFICATIONS, INSTALL SEPARATE DEDICATED WATER STOPS FOR DISHWASHER AND DISPOSER CONNECTIONS, PROVIDE CHROME PLATED DECK MOUNTED AIR GAP DRAIN FOR DISHWASHER, INSTALL MIXING VALVE ON HW SUPPLY SIDE OF FAUCET PER DETAIL 2/P3.01.
SK-2	DOUBLE COMPARTMENT SINK	1 1/2"	1 1/2"	1/2"	1/2"	
SS	SERVICE SINK	2"	2"	3/4"	3/4"	SCULLERY TYPE SINK, 14-GAUGE TYPE 304 STAINLESS STEEL, SINGLE COMPARTMENT, SEAMLESS WELDED CONSTRUCTION, 24" X 24" X 14" DEEP, 8" BACKSPASH WITH 8" CENTER FAUCET HOLES, STAINLESS STEEL WALL BRACKETS, 3-1/2" DRAIN OUTLET, ELKAY SS8124; PROVIDE WADE 5740 SOLIDS INTERCEPTOR WITH UNIONS ON EITHER SIDE FOR REMOVAL; FAUCET SHALL BE MOUNTED TO SINK BACKSPASH, CHROME PLATED, ALL SINKS BRASS CONSTRUCTION WITH CHICAGO 8" L-TYPE SWING SPOUT, FULL FLOW OUTLET, 2-3/8" LEVER HANDLES, 8" FIXED ARMS WITH INTEGRAL STOPS, CHICAGO MODEL 540LD-SS30XABCP, CHICAGO 1366-4F TWIST DRAIN WITH 3-1/2" SINK DRAIN OPENING, HEAVY-GAUGE STAINLESS STEEL STRAINER, 2" OUTLET AND TWIST HANDLE (VERIFY LENGTH OF HANDLE - MUST EXTEND PAST EDGE OF SINK); FLOOR MOUNTED, CHAIR CARRIER FOR WALL BRACKETS, INSTALL ASSE 1070 TMV ON HW SUPPLY SIDE OF FAUCETS PER DETAIL 2/P3.01.
SS-2	SERVICE SINK	2"	2"	3/4"	3/4"	SAME AS TYPE "SS" EXCEPT WITHOUT THE USAGE OF WADE SOLIDS INTERCEPTOR; PROVIDE 2" CHROME PLATED, 17-GAUGE CAST BRASS P-TRAP WITH CLEANOUT PLUG, 24" X 24" X 10" DEEP MOLDED TERRAZZO WITH DROPPING FRONT, SQUARE, TWO (2) STAINLESS STEEL SPLASH CATCHER PANELS, REMOVABLE STAINLESS STEEL STRAINER, MUSTEE MODEL 63M ONLY; CHROME PLATED, 17-GAUGE CAST BRASS P-TRAP WITH CLEANOUT PLUG; CHROME PLATED, CAST BRASS, LOOSE KEY ANGLE STOP WITH CHROME PLATED COPPER RISER, CHAIR CARRIERS, AND, STAINLESS STEEL ADA APRON WHERE REQUIRED BY ADA/ATAS.
MB	MOP BASIN	3"	2"	3/4"	3/4"	
EDF	DRINKING FOUNTAIN WITH BOTTLE FILLER	1-1/2"	1-1/2"	1/2"	-	DUAL STATION, MOUNTED ON WALL WITH CARRIER, ALL STAINLESS STEEL, DESIGNED FOR INDOOR INSTALLATION, 0.7 GPM MAX, ADA/ATAS COMPLIANT, BARRIER FREE, MANUAL PUSH BUTTON ACTIVATED, 8 GPM AT AIR STANDARDS, 2-STREAM METAL BUBBLER, VANDAL-PROOF KITS, LEAD-FREE (CERTIFIED FOR MEETING ALL REQUIREMENTS OF NSF 61 SECTION 9), REFRIGERANT RHC-134a, MECHANICAL ACTUATION VALVE (NO ELECTRONIC SOLENOID VALVE), NON-FILTERED, ADA HEIGHT UNIT ON LEFT SIDE, BOTTLE FILLER ON LOWER SIDE, HALSEY TAYLOR MODEL HTBHV988L-4F, CHROME PLATED, 17-GAUGE CAST BRASS P-TRAP WITH CLEANOUT PLUG, CHROME PLATED, CAST BRASS, LOOSE KEY ANGLE STOP WITH CHROME PLATED COPPER RISER, CHAIR CARRIERS, AND, STAINLESS STEEL ADA APRON WHERE REQUIRED BY ADA/ATAS.

MARK	DESCRIPTION	CONNECTION SIZE				SPECIFICATION
		SS	SV	CW	HW	
FD	TOILET FLOOR DRAIN	4"	2"	1/2"	-	TWO-PIECE CAST IRON WITH SEEPAGE FLANGE, REVERSIBLE CLAMPING COLLAR, 1/2" TRAP PRIMER TAP, 6" ROUND HEAVY-DUTY SOLID STAINLESS STEEL STRAINER AND SECURITY SCREWS, ZURN MODEL ZS415B96-HD-P-VP
FD-2	FLOOR DRAIN WITH TRAP GUARD	4"	2"	-	-	SAME AS "FD" BUT WITH PROSET TRAP GUARD IN lieu OF TRAP PRIMER
FD-2	EQUIPMENT FLOOR DRAIN	4"	2"	-	-	CAST IRON, MEDIUM DEPTH DRAIN WITH FLANGE, CLAMPING DEVICE, SEEPAGE OPENINGS, DUCTILE IRON TRUE-FIT SEDIMENT BUCKET ALL GALVANIZED, PROSET TRAP GUARD, ZURN MODEL Z540-G-LG, DRAIN SHALL BE DESIGNED SUCH THAT GRATE CANNOT BE INSTALLED WITHOUT SEDIMENT BUCKET.
FD-3	GRATED MECHANICAL ROOM FLOOR DRAIN	4"	2"	-	-	CAST IRON WITH FLANGE, SEEPAGE OPENINGS, 9" HEAVY-DUTY DUCTILE IRON GRATE WITH STAINLESS STEEL VENEER, VANDALPROOF SCREWS, CLAMPING DEVICE AND PROSET TRAP GUARD, ZURN MODEL Z5550-VP.
FSINK	FLOOR SINK	4"	2"	-	-	CAST IRON, 8" DEEP SUMP, V-P, INTERIOR, INTEGRAL FLANGE FOR SUPPORT, CLAMPING DEVICE WHERE VAPOR BARRIER IS INSTALLED BETWEEN SLAB AND CONCRETE BEDDING FOR FLOOR, ALUMINUM SECONDARY DOME STRAINER AND 1/2" SQUARE HEAVY DUTY STAINLESS STEEL TRAPCTOR DUTY FRAME WITH 3/4" TRAPTOR GRATE AND PROSET TRAP GUARD, ZURN MODEL ZS1901-HD-KC-3-32.
TD-24"	24" MODULAR TRENCH DRAIN	4"	2"	-	-	12" WIDE FABRICATED MODULAR TRENCH DRAIN, CARBON STEEL MODULAR TRENCH WITH 10" WIDE THROAT, SLOPED TO OUTLET, FLAT BOTTOM, FLANGED ENDS, REBAR SADDLES, DUCTILE IRON OUTLET FITTING WITH CONCRETE BEDDING, 1/2" SQUARE HEAVY DUTY STAINLESS STEEL TRAPCTOR DUTY FRAME WITH 3/4" TRAPTOR GRATE AND PROSET TRAP GUARD, ZURN MODEL ZS1901-HD-KC-3-32.
ESW	EMERGENCY SHOWER AND EYEWASH	-	-	1-1/4"	-	COMBINATION DRENCH SPINTECH SHOWER AND HALO EYEWASH WASH UNIT FULLY ACCESSIBLE TO PEOPLE WITH PHYSICAL DISABILITIES; GALVANIZED STEEL PROTECTED WITH BRADTECT SAFETY YELLOW COATING; MEETING ALL APPLICABLE CODES; INSTALL ELBOW DOWN AT DRAIN OUTLET, BRADLEY MODEL S19-314BF, CW AND HW STOP VALVES AND MIXING VALVE INSTALLED EXPOSED ON WALL DIRECTLY ABOVE FIXTURE, BRADLEY S19-2350-EPX20-B.
CD	FLOOR CLEANOUT	VARIES	-	-	-	ADJUSTABLE EXTENSION HOUSING, CAST IRON FERRULE WITH FLUTE LINE SIZE AS FLUTE UP TO 4", 1" DIAMETER STAINLESS STEEL ACCESS COVER ROUND FRAME AND TOP SINK COMPATIBLE WITH FLOOR TYPE (REFERENCE ARCHITECTURAL DRAWINGS FOR FLOOR TYPES), ZURN MODEL ZS1400-VP-(CF), PROVIDE CARPET FLANGE FOR CARPETED AREAS (CARPET MARKER SHALL NOT BE ACCEPTABLE) AND TERRAZZO RECESS FOR TERRAZZO FLOORS.
WCO	WALL CLEANOUT	VARIES	-	-	-	OUTDOOR CLEANOUT - SAME AS TYPE "CO" EXCEPT WITH HEAVY-DUTY NICKEL BRONZE TOP, ZURN MODEL ZN1400-VP-HD, INSTALL 18" X 18" X 6" THICK CONCRETE PAD AROUND EACH OUTDOOR CLEANOUT.
WCO	WALL CLEANOUT	VARIES	-	-	-	CAST IRON FERRULE WITH COUNTERSUNK HEAD (FULL-LINE-SIZE ABS PLUG UP TO 4") ZURN MODEL Z1440, ACCESS COVER SHALL BE 8" SQUARE, SURFACE MOUNT, FLUSH INSTALLATION, NICKEL BRONZE WITH POLISHED TOP ACCESS DOOR WITH BEVELED EDGE AND SCREW DRIVER ACCESS, ZURN MODEL ZAN61462-8, WALL CLEANOUT ACCESS SHALL BE INSTALLED CENTERED ON AND WITHIN 2" OF ACCESS PANEL.
DCS	DOUBLE CLEANOUTS	4"	-	-	-	INSIDE CABINETWORK WHERE CLEANOUT IS NOT VISIBLE, ACCESS PANEL MAY BE ROUND STAINLESS STEEL TYPE WITH SCREWDRIVER ACCESS, ZURN MODEL ZS1469-VP.
GH	EXTERIOR GROUND HYDRANT	-	-	3/4"	-	SAME AS OUTDOOR CLEANOUTS - INSTALLED FOR TWO-WAY ROOFING, SINKS CLEANOUT WITH 2-WAY FITTINGS IS NOT ACCEPTABLE, PROVIDE TWO SEPARATE CLEANOUTS, INSTALL 18" X 18" X 6" THICK CONCRETE PAD AROUND EACH OUTDOOR CLEANOUT.
HB	HOSE BIBB	-	-	3/4"	-	EXPOSED, NON-FREEZE POST HYDRANT, GALVANIZED STEEL CASING AND CAST ALUMINUM CASING GUARD, ALL BRONZE INTERIOR PARTS, BRONZE SEAT AND REPLACEABLE SEAT WASHER, VACUUM BREAKER, WHEEL HANDLE, 3/4" HOSE CONNECTION, INSTALL WITH CONCRETE BASE (BY GENERAL CONTRACTOR), 2 FOOT DEPTH OF BURY, ZURN S1385-34-VB-WH.
WH	WALL HYDRANT	-	-	3/4"	-	3/4" HOSE THREAD, INTEGRAL VACUUM BREAKER SPOUT, CHROME FINISH WITH REMOVABLE KEYED HANDLE, WALL FLANGE, CHICAGO MODEL 952.
VBOX	CW VALVE BOX	-	-	1/2"	-	NON-FREEZE WALL HYDRANT - FULLY INSULATE PIPING LINE TO WALL HYDRANT BOX, PROVIDE INTERIOR SHUT-OFF ABOVE CEILING FOR HYDRANT, ZURN MODEL Z1320XL-EZ-WC.
WBOX	CW VALVE BOX	-	-	1/2"	-	RECESSED WITH ANGLE VALVE FOR CONNECTION TO VENDING MACHINE OR REFRIGERATOR ICE MAKER, GUY GRAY MODEL BM-875.
WBOX	CW VALVE BOX	-	-	1/2"	-	HEAVY-GAUGE GALVANIZED STEEL CONSTRUCTION, RECESSED IN WALL, VALVE AND DRAIN CONNECTIONS, WATTS 909 DUAL VALVE, GUY GRAY MODEL WB-200.



1 ROOF DRAIN DETAIL
NO SCALE

2 ROOF DRAIN PIPING DETAIL
NO SCALE

GENERAL PLUMBING NOTES

- SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL WORK DESCRIPTION. SEE THIS SHEET (P3.02) FOR PLUMBING SYMBOLS LEGEND. PLUMBING CONTRACTOR SHALL PROVIDE DEMOLITION WORK AS REQUIRED FOR PLUMBING WORK.
- COORDINATE PLUMBING SYSTEMS INSTALLATION WITH ARCHITECTURAL, STRUCTURAL, HVAC SYSTEMS, ELECTRICAL SYSTEMS, CONDUITS, ETC. OFFSET PIPING AS REQUIRED TO PROVIDE A FUNCTIONING SYSTEM WITH ADEQUATE SPACE FOR SERVICING AND REPAIRS.
- MAKE CONNECTIONS OF NEW PIPE SYSTEMS IN TO EXISTING PIPE SYSTEMS WITH THREADED OR SWEAT JOINTS. PROVIDE ELECTROLYSIS ISOLATING UNIONS AT CONNECTION OF DISSIMILAR MATERIALS. REFERENCE THE SPECIFICATIONS.
- SITE SERVICES ARE SHOWN FOR REFERENCE ONLY. PLUMBING CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL SERVICES, SIZES OF PIPES, FLOWLINE ELEVATIONS, ETC.
- DO NOT INSTALL PLUMBING PIPING OVER ANY ELECTRICAL OR COMPUTER EQUIPMENT. REF. ELECTRICAL DRAWINGS FOR LOCATIONS OF EQUIPMENT AND COORDINATE WITH WITH ELECTRICAL AND TECHNOLOGY SUBS ACCORDINGLY. SEE DETAILS 9 & 10/P3.00. THIS INCLUDES FIRE SPRINKLER PIPING.
- ALL PIPES THROUGH WALLS OR FLOORS SHALL BE SLEEVED AND SEALED PER DETAIL 12/P3.00. FIRE CAULK WHERE REQUIRED. THIS INCLUDES FIRE SPRINKLER PIPING.
- ALL CLEANOUTS SHALL BE CONNECTED TO SANITARY LINES USING WYES AND/OR LONG RADIUS ELLS. SANITARY TEES ARE NOT ACCEPTABLE. 2" MINIMUM SIZE.
- ALL WASTE AND VENT PIPING BELOW SLAB SHALL BE 2" MINIMUM.
- LOCATE PLUMBING VENTS THROUGH ROOF NOT NEARER THAN SIX (6) FEET AWAY FROM EDGE OF BUILDING AND TEN (10) FEET AWAY FROM ANY FRESH AIR INTAKES. OFFSET VENT PIPING, AS REQUIRED, IN CEILING SPACE BETWEEN CEILING AND ROOF TO MEET THESE REQUIREMENTS. SEE DETAIL 8/P3.00.
- ALL DOMESTIC WATER PIPING (CW, HW AND HWV) SHALL BE INSULATED PER THE WRITTEN SPECIFICATIONS.
- TOP OF FLOOR DRAINS IN MECHANICAL, AHU AND BOILER ROOMS SHALL BE SET 1-1/2" BELOW FINISHED FLOOR SURFACE. CONCRETE FLOOR SHALL BE SLOPED TO DRAIN, REFERENCE ARCHITECTURAL DRAWINGS.
- PROVIDE AN ISOLATING VALVE AT EACH WATER TAP OFF HOT AND COLD WATER MAINS TO ALLOW FOR SERVICING. VALVES SHALL BE BALL VALVE ONLY. GATE VALVES AND BUTTERFLY VALVES WILL NOT BE ACCEPTED FOR THIS PROJECT. SEE WRITTEN SPECIFICATIONS. VALVES SHALL BE EASILY ACCESSIBLE: PROVIDE 18" X 18", FIRE-RATED, STAINLESS STEEL ACCESS PANELS WITH HINGED, CYLINDER LOCK DOORS WHERE VALVES ARE INSTALLED ABOVE INACCESSIBLE CEILINGS OR IN WALL CHASES. BALL VALVES INSTALLED ABOVE CEILINGS SHALL BE INSTALLED SUCH THAT HANDLE IS ON TOP OF PIPE AND LOCATED SUCH THAT LEVER OPERATION IS NOT OBSTRUCTED IN ANY WAY. ISOLATING WATER VALVES ABOVE CEILINGS SHALL BE INSTALLED NO MORE THAN 24" ABOVE CEILING. VALVES ABOVE INACCESSIBLE CEILINGS SHALL BE INSTALLED WITHIN REASONABLE REACH OF CEILING MOUNTED ACCESS PANEL WITH NOTHING OBSTRUCTING A PERSON FROM EASILY OPERATING VALVE.
- WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ADDITION TO AIR CHAMBERS PER THE RISER DIAGRAMS. SEE SPECIFICATIONS.
- MECHANICALLY CLEAN ALL WASTE LINES WITH ROTARY MACHINE OR HYDROFLUSH TO PROVE FREE FLOWING, SEE SPECIFICATIONS. NEW AND EXISTING PIPE INCLUDED.
- PROVIDE VENTED SLEEVE (2 PIPE SIZES LARGER THAN GAS PIPE UNLESS NOTED OTHERWISE) FOR ALL GAS PIPING IN GROUND BELOW PAVING OR SIDEWALKS AND INSIDE BUILDING, SEE SPECIFICATIONS.
- GAS PIPING SHALL BE 1/2" MINIMUM. TAP GAS PIPING ON TOP OR SIDES ONLY. DO NOT INSTALL VALVES IN CEILING PLENUM OR IN ANY INACCESSIBLE LOCATION. ALL GAS VALVES SHALL BE EASILY ACCESSIBLE. REFER TO DETAIL 11/P3.00 FOR TYPICAL GAS CONNECTION INSTALLATION. REFER TO DETAIL 7/P3.00 FOR TYPICAL PRV INSTALLATION.
- CENTER WALL HYDRANTS IN BRICK PATTERN OF EXTERIOR WALLS. REFERENCE THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- ALL REFRIGERATORS WITH ICE MAKERS, COMMERCIAL TYPE COFFEE MAKERS, COFFEE VENDING MACHINES AND OTHER ITEMS PROVIDED BY OTHERS THAT REQUIRE A WATER CONNECTION SHALL HAVE A CW VALVE BOX, "VBOX", INSTALLED TO ALLOW EASY ACCESS AND REMOVAL OF MACHINE. ALL ICE MAKERS SHALL HAVE ANGLE STOP AND WATER FILTER FOR ICE MAKER CONNECTION. INSTALL TYGON TUBING WITH STAINLESS STEEL FITTINGS BETWEEN WATER FILTER AND ICE MAKER WATER CONNECTION; ALSO, INSTALL WATTS 989 DUAL CHECK WITH ATMOSPHERIC VENT IN WATER CONNECTION.
- PER THE DRAWINGS, ALL DRAINS (FLOOR DRAINS, FLOOR SINKS, HUB DRAINS, KITCHEN DRAINS, SHOWER DRAINS, ETC.) SHALL BE VENTED AND TRAP PRIMED - NO EXCEPTIONS. TRAP PRIMING SHALL BE ACCOMPLISHED USING ELECTRONIC TRAP PRIMING MANIFOLD ASSEMBLIES OR WATER CLOSET FLUSH VALVE TRAP PRIMING DEVICES AS SHOWN ON DRAWINGS. REFERENCE DETAILS 3/P3.01 AND 5/P3.01. REFERENCE PLUMBING FLOOR PLANS AND RISER DIAGRAMS FOR EACH INDIVIDUAL DRAIN. DO NOT INSTALL FLUSH VALVE TRAP PRIMER DEVICES ON HANDICAP WATER CLOSETS - USE LAVATORY P-TRAP TRAP PRIMER DEVICES IN ONE-PERSON STAFF RESTROOMS WHERE SHOWN ON PLUMBING DRAWINGS.
- FOR ALL PLUMBING FIXTURES, IF COPPER PIPING IS STUBBED THROUGH WALL FOR DRAIN CONNECTION, INSTALL MARVEL FITTING AT DRAIN CONNECTION FOR EASE OF SERVICING AND REPAIRS. COPPER DRAIN PIPING WILL ONLY BE ALLOWED FOR DIRECT/STRAIGHT STUB-OUT OF FIXTURE DRAIN PIPING THROUGH WALL.
- REFERENCE STRUCTURAL DETAIL 17/90.03 FOR GRADE BEAM PENETRATION REQUIREMENT.

FUELING EQUIPMENT SCHEDULE

DISPENSERS	
UF-D (2)	UNLEADED FUEL DISPENSER - DUAL NOZZLE, TWO HOSE, BACKLIT ELECTRONIC DIGITAL METER AND TOTALIZER DISPLAYING GALLONS, SHEAR VALVE AT CONNECTION TO FUEL SUPPLY PIPING, AUTOMATIC NOZZLE FOR DIESEL FUEL WITH BREAK-AWAY FITTING AND SWIVEL MEETING THE REQUIREMENTS OF A BALANCED STAGE II VAPOR RECOVERY SYSTEM, HIGH POST MOUNTED HOSE RETRACTOR WITH COUNTER WEIGHT. ISLAND OUTLET GASBOY ATLAS 9853 DUAL HOSE
DF-D (2)	DIESEL FUEL DISPENSER - DUAL NOZZLE, TWO HOSE, BACKLIT ELECTRONIC DIGITAL METER AND TOTALIZER DISPLAYING GALLONS, SHEAR VALVE AT CONNECTION TO FUEL SUPPLY PIPING, AUTOMATIC NOZZLE FOR DIESEL FUEL WITH BREAK-AWAY FITTING AND SWIVEL MEETING THE REQUIREMENTS OF A BALANCED STAGE II VAPOR RECOVERY SYSTEM, HIGH POST MOUNTED HOSE RETRACTOR WITH COUNTER WEIGHT. ISLAND OUTLET GASBOY ATLAS 9853 DUAL HOSE
FUEL MANAGEMENT SYSTEM	
FM	FUEL MANAGEMENT PEDESTAL

NOTE: REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

PLUMBING PIPING MATERIALS

SANITARY WASTE AND VENT PIPING:
BELOW SLAB: SCHEDULE 40, DWV PVC, BEYOND 5 FEET FROM BUILDING, SEE CIVIL DRAWINGS AND SPECIFICATIONS.
ABOVE SLAB: STANDARD HUBLESS CAST IRON WITH HEAVY DUTY NO-HUB CLAMPS.

STORM PIPING:
BELOW SLAB: SCHEDULE 40, DWV PVC, BEYOND 5 FEET FROM BUILDING, SEE CIVIL DRAWINGS AND SPECIFICATIONS.
ABOVE SLAB: STANDARD HUBLESS CAST IRON WITH HEAVY DUTY NO-HUB CLAMPS.

DOMESTIC WATER PIPING:
INTERIOR, MAINS: TYPE L COPPER WITH SOLDER TYPE WROUGHT COPPER FITTINGS, MADE UP WITH LEAD-FREE SOLDER, CHROME PLATED WHERE EXPOSED.

COMPRESSED AIR:
SCHEDULE 40 GALVANIZED STEEL WITH SCREWED JOINTS.

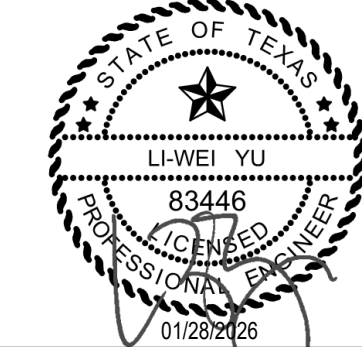
NATURAL GAS:
ABOVE GROUND: SCHEDULE 40 BLACK STEEL WITH WELDED JOINTS.
EXTERIOR BELOW GRADE: POLYETHYLENE GAS PIPING WITH SOCKET FUSED JOINTS.

PLUMBING SYMBOLS LEGEND

----	SANITARY WASTE (BELOW SLAB)	EXIST.	EXISTING
----	SANITARY WASTE (ABOVE SLAB)	SAN.	SANITARY
- - - - -	VENT PIPING (BELOW SLAB)	CW	DOMESTIC COLD WATER
- - - - -	VENT PIPING (ABOVE SLAB)	HW	DOMESTIC HOT WATER
----	DOMESTIC COLD WATER PIPING	HWV	DOMESTIC HOT WATER RETURN
----	DOMESTIC HOT WATER PIPING	VB	VACUUM BREAKER
----	DOMESTIC HOT WATER RETURN PIPING	SO	SAND/OIL INTERCEPTOR
-G50-	GAS SERVICE (BY UTILITY PROVIDER)	STW	SAMPLE TEST WELL
-G5-	INTERMEDIATE PRESSURE GAS PIPING (5 PSIG)	MH	SANITARY MANHOLE
-G-	LOW PRESSURE GAS PIPING (4-8 OZ.)	GM	GAS METER
-D-	DRAIN/RELIEF VENT PIPING	GWV	GAS WATER HEATER
-D-	STOP VALVE	CP	HOT WATER CIRCULATOR PUMP
-D-	BACKFLOW PREVENTER (WATTS 909 ONLY)	⊙	AIR OUTLET - SEE DETAIL 8/P3.01
-D-	GAS PRESSURE REDUCING/REGULATING VALVE		
⊙	RISER P-1, 4" VENT THROUGH ROOF		

NEW OPERATIONS BUILDING
FOR
NEW CANEY I.S.D.
NEW CANEY, TEXAS

Project:



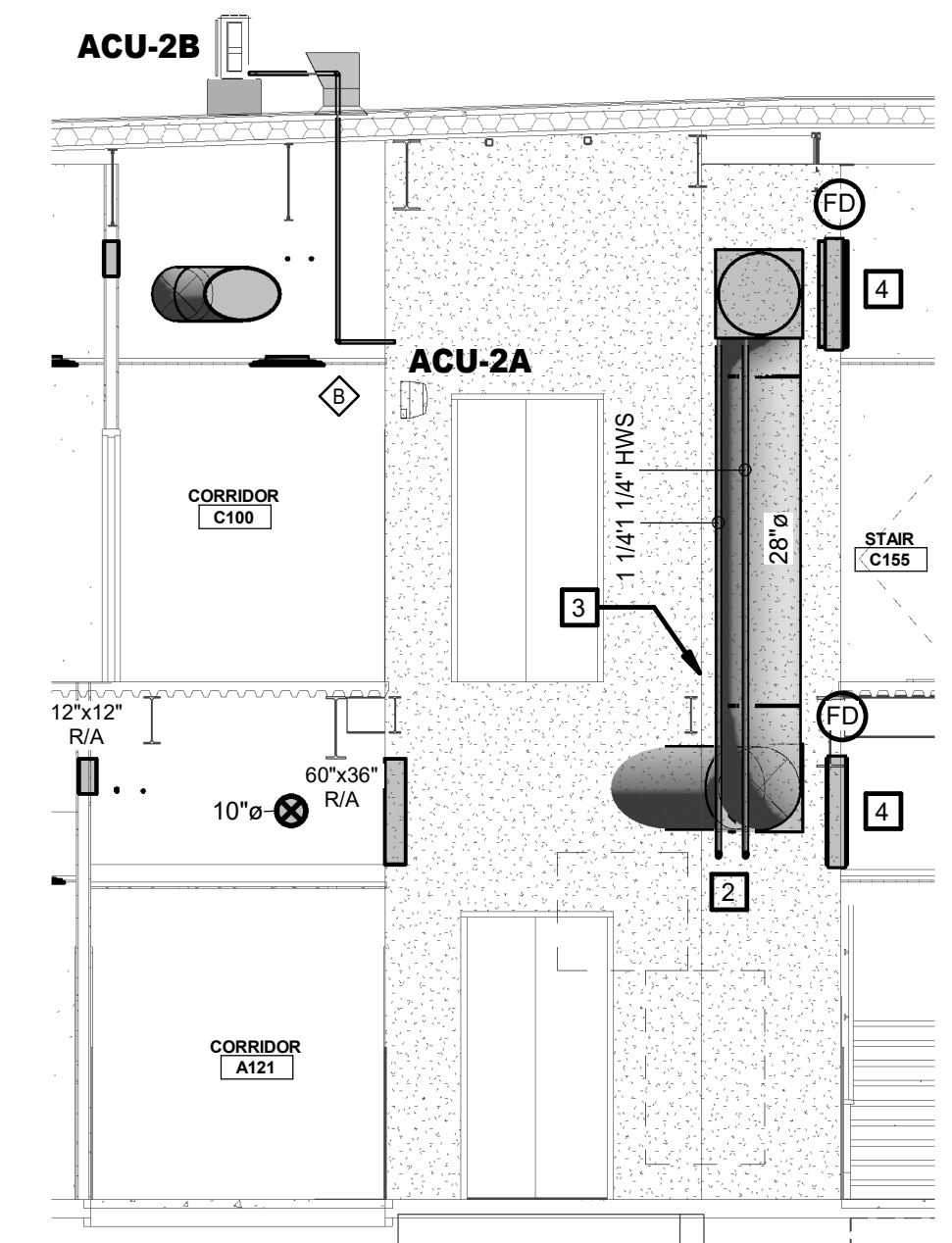
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PLUMBING DETAILS AND SCHEDULES

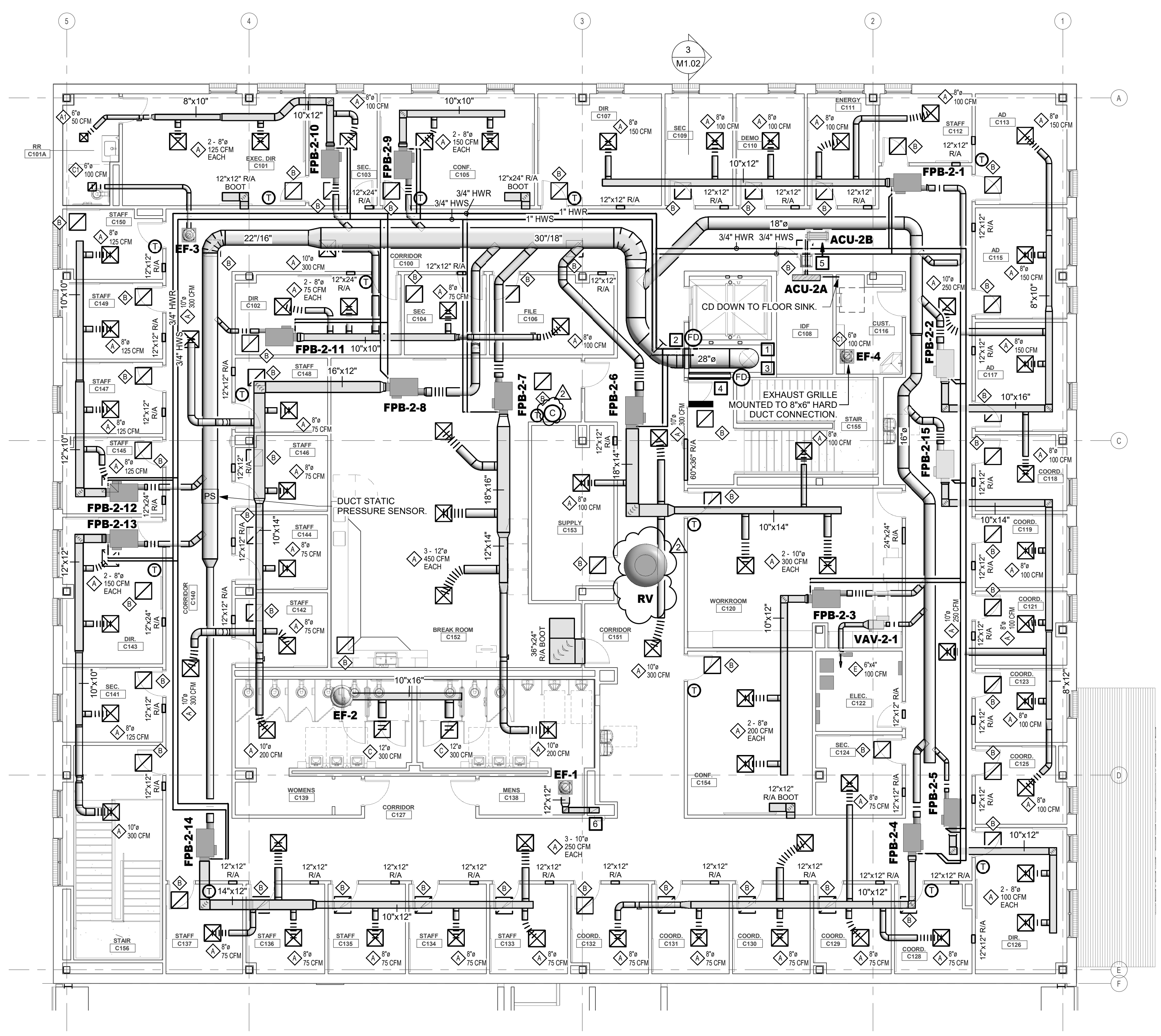
Job No. 1971-05-01
Sheet No. ISSUED FOR BID
Drawn By: JSTJA
Date: 01/08/2025
P3.02
ISSUED FOR BID

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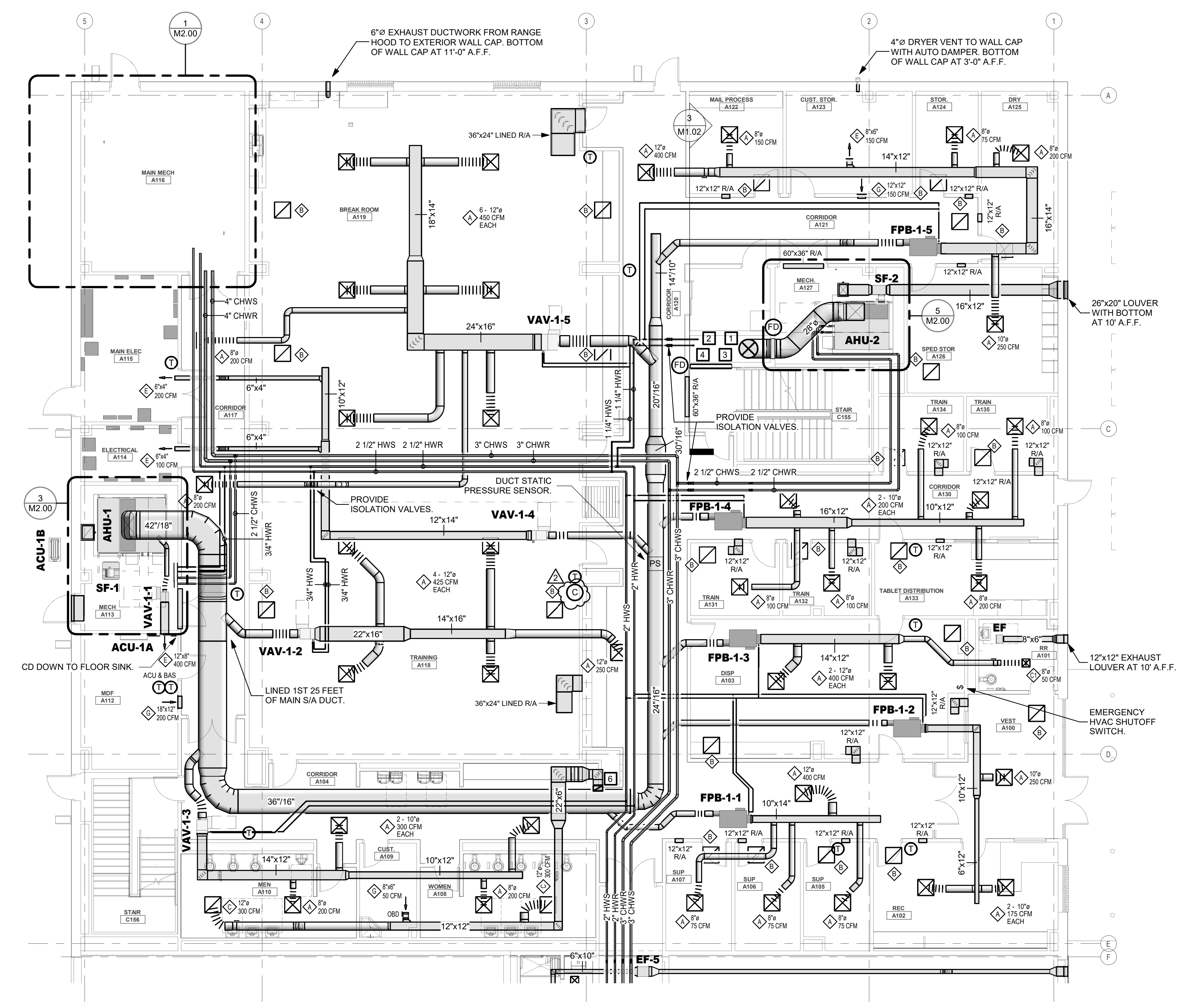
- MECHANICAL KEY NOTES**
- 28" SUPPLY DUCT TO SECOND FLOOR / FROM FIRST FLOOR.
 - 1-1/4" HWS/R PIPING TO SECOND FLOOR / FROM FIRST FLOOR.
 - PROVIDE FLOOR OPENING THE ENTIRE WIDTH AND LENGTH OF CHASE TO ALLOW DUCTWORK, PIPING AND RETURN AIR TO TRAVEL BETWEEN FLOORS UNOBSTRUCTED.
 - 60"x36" R/A OPENING IN CHASE WALL WITH FIRE DAMPER.
 - CONDENSING UNIT ACU-B ON ROOF. SEE DETAIL 14/M5.02.
 - 14"x8" E/A DUCT UP TO SECOND FLOOR / FROM FIRST FLOOR INSIDE CHASE.



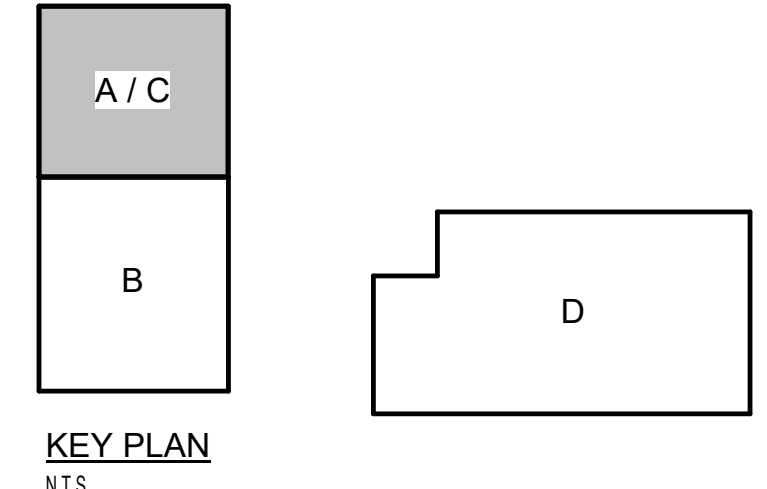
3 MECHANICAL SECTION - CHASE
SCALE= 3/16" = 1'-0"



2 MECHANICAL FLOOR PLAN - LEVEL 2 - AREA C - OPERATIONS BUILDING
SCALE= 1/8" = 1'-0"

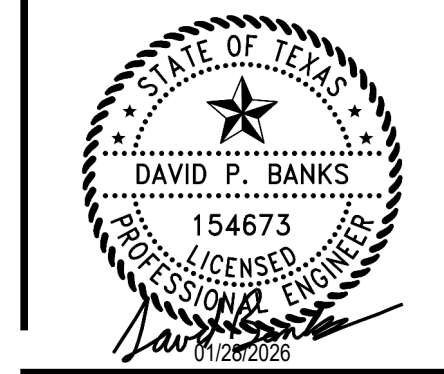


1 MECHANICAL FLOOR PLAN - LEVEL 1 - AREA A - OPERATIONS BUILDING
SCALE= 1/8" = 1'-0"



NEW OPERATIONS BUILDING
FOR
NEW CANEY I.S.D.
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MECHANICAL FLOOR PLAN -
LEVEL 1 / 2 - AREA A / C -
OPERATIONS BUILDING

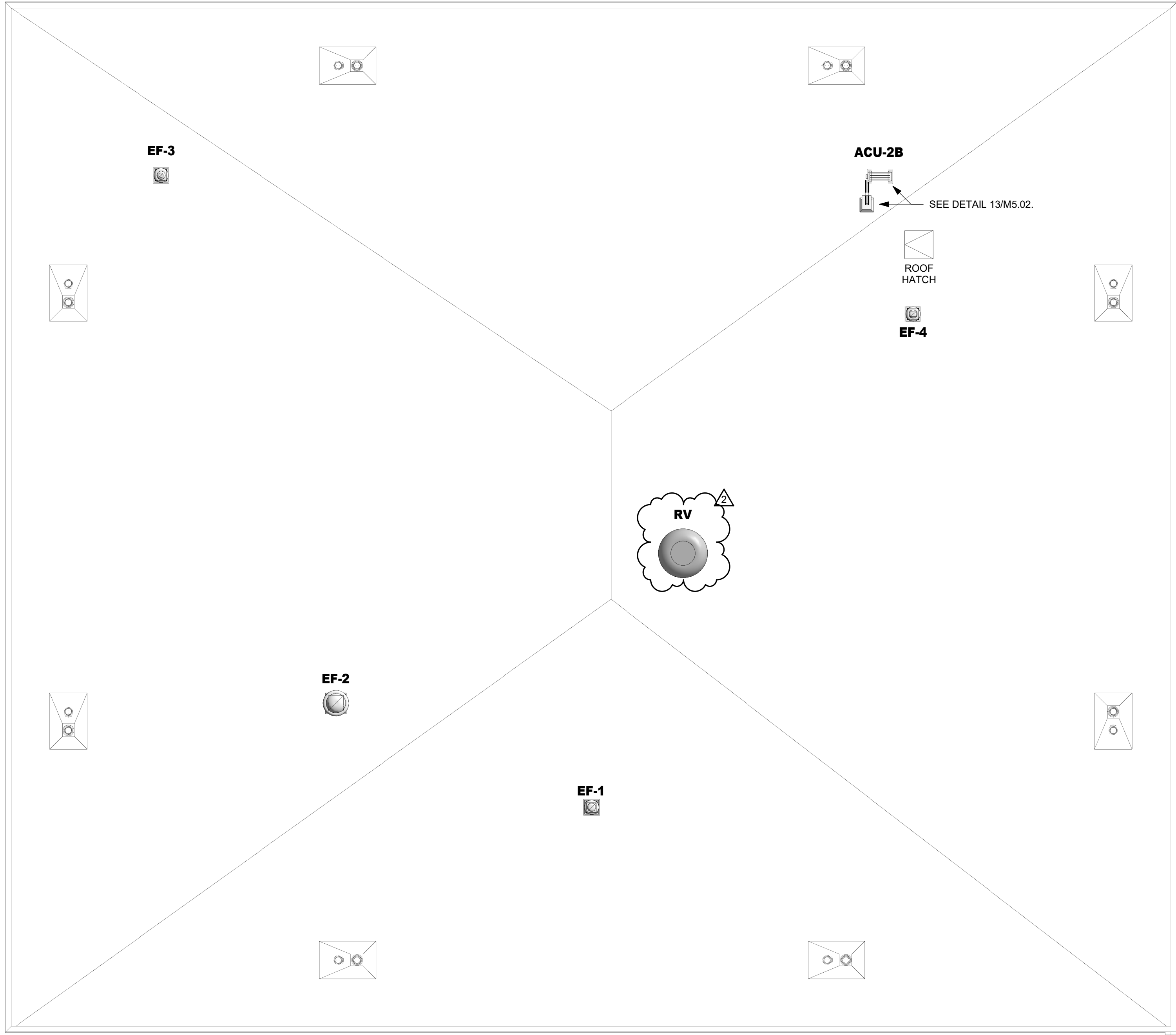
Job No.
1971-05-01
Drawn By:
DB
Date:
01/09/2025
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MECHANICAL ROOF PLAN

SCALE= 1/8" = 1'-0"



MECHANICAL ROOF PLAN	
Job No. 191745-01	Sheet No. ISSUED FOR BID
Drawn By: DB	M1.06
Date: 01/08/2026	ISSUED FOR BID



Project:

NEW OPERATIONS BUILDING
FOR
NEW CANEY I.S.D.
NEW CANEY, TEXAS

Revision /	Date
2	01/28/2026

ADD 2

AIR HANDLING UNIT SCHEDULE											
MARK	AHU-1	AHU-2	AHU-3	AHU-4	AHU-5	AHU-6	AHU-7	AHU-8	AHU-9	AHU-10	AHU-11
SERVES	OPERATIONS 1ST FLOOR	OPERATIONS 2ND FLOOR	SHOP-CORR & RR	SHOP-LOCK	SHOP-ELEC	SHOP-GROUNDS	SHOP-CARPENTER	SHOP-HVAC	SHOP-PAINTER	SHOP-GEN MAINT	SHOP-PLUMBING
INSTALLATION	HOUSEKEEPING PAD	HOUSEKEEPING PAD	HANGING HORIZONTAL	HANGING HORIZONTAL	HANGING HORIZONTAL	HANGING HORIZONTAL	HANGING HORIZONTAL	HANGING HORIZONTAL	HANGING HORIZONTAL	HANGING HORIZONTAL	HANGING HORIZONTAL
TYPE	VAV-VDT	VAV-VDT	SZ-HDT	SZ-HDT	SZ-HDT	SZ-HDT	SZ-HDT	SZ-HDT	SZ-HDT	SZ-HDT	SZ-HDT
TOTAL CFM	8,600 CFM	9,700 CFM	1,200 CFM	1,200 CFM	3,000 CFM	4,350 CFM	2,000 CFM	3,000 CFM	4,500 CFM	3,000 CFM	3,000 CFM
O/A CFM	2,250 CFM	2,250 CFM	100 CFM	200 CFM	400 CFM	225 CFM	250 CFM	400 CFM	250 CFM	600 CFM	400 CFM
EXT. STATIC WG	3.0"	3.0"	0.75"	1.0"	0.75"	0.75"	0.75"	0.75"	0.75"	0.75"	0.75"
MOTOR HP / BHP / KW	15 HP	15 HP	1 HP	1 HP	3 HP	3 HP	2 HP	3 HP	2 HP	3 HP	3 HP
VOLTAGE	480V / 3 PH	480V / 3 PH	480V / 3 PH	480V / 3 PH	480V / 3 PH	480V / 3 PH	480V / 3 PH	480V / 3 PH	480V / 3 PH	480V / 3 PH	480V / 3 PH
COIL POSITION	MAIN	MAIN	MAIN	MAIN	MAIN	MAIN	MAIN	MAIN	MAIN	MAIN	MAIN
COIL CFM	8,600 CFM	9,700 CFM	1,200 CFM	1,200 CFM	3,000 CFM	4,350 CFM	2,000 CFM	3,000 CFM	2,000 CFM	4,500 CFM	3,000 CFM
MIN. ROWS	6	6	6	6	6	6	6	6	6	6	6
MAX. FINS / INCH	12	12	12	12	12	12	12	12	12	12	12
MAX. FACE VELOCITY	500 FPM	500 FPM	500 FPM	500 FPM	500 FPM	500 FPM	500 FPM	500 FPM	500 FPM	500 FPM	500 FPM
EAT dbwb, °F	78.5°F/67.3°F	80.2°F/67.5°F	76°F/64.5°F	78.6°F/66.3°F	77.8°F/65.6°F	75.2°F/63.4°F	77.6°F/65.5°F	77.8°F/65.6°F	77.6°F/65.5°F	77.8°F/65.6°F	77.8°F/65.6°F
LAT dbwb, °F	52.8°F/52.4°F	52.8°F/52.4°F	54.0°F/53.7°F	54.0°F/53.7°F	54.0°F/53.7°F	53.5°F/53.0°F	52.8°F/52.4°F	54.0°F/53.7°F	52.8°F/52.4°F	52.8°F/52.4°F	54.0°F/53.7°F
GSH MBH	240	289	29	32	78	102	54	78	54	123	78
GTH MBH	391	448	40	46	108	134	78	108	78	177	108
GPM/SIZE	49 / 2.0"	56 / 2.5"	6 / 1.0"	6 / 1.0"	14 / 1.25"	19 / 1.5"	10 / 1.25"	14 / 1.25"	10 / 1.25"	22 / 1.5"	14 / 1.25"
EWTL/WLT, °F	42°F/58°F	42°F/58°F	42°F/58°F	42°F/58°F	42°F/58°F	42°F/58°F	42°F/58°F	42°F/58°F	42°F/58°F	42°F/58°F	42°F/58°F
MAX. PD. FEET	12 FT	12 FT	12 FT	12 FT	12 FT	12 FT	12 FT	12 FT	12 FT	12 FT	12 FT
COND. DRAIN SIZE	1.0"	1.0"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
COIL POSITION	PRE - HEAT	-	RE-HEAT	RE-HEAT	RE-HEAT	RE-HEAT	RE-HEAT	RE-HEAT	RE-HEAT	RE-HEAT	RE-HEAT
COIL CFM, MAX/MIN	8,600 CFM / 2250 CFM*	-	1,200 CFM	1,200 CFM	3,000 CFM	4,350 CFM	2,000 CFM	3,000 CFM	2,000 CFM	4,500 CFM	3,000 CFM
MIN. ROWS	1	-	1	1	1	1	1	1	1	1	1
MAX. FINS/INCH	12	-	12	12	12	12	12	12	12	12	12
MAX. FACE VELOCITY	500 FPM	-	500 FPM	500 FPM	500 FPM	500 FPM	500 FPM	500 FPM	500 FPM	500 FPM	500 FPM
EAT, °F (AT MIN. CFM)	27°F	-	64.5°F	60.6°F	62.1°F	65.8°F	62.5°F	62.1°F	62.5°F	62.1°F	62.1°F
LAT, °F	55°F	-	95°F	95°F	95°F	95°F	95°F	95°F	95°F	95°F	95°F
GTH MBH	68	-	40	45	107	138	71	107	71	161	107
EWTL/WLT, °F	160°F/120°F	-	160°F/120°F	160°F/120°F	160°F/120°F	160°F/120°F	160°F/120°F	160°F/120°F	160°F/120°F	160°F/120°F	160°F/120°F
GPM/SIZE	3 / 0.75"	-	2 / 0.75"	2 / 0.75"	5 / 1.0"	7 / 1.0"	4 / 0.75"	5 / 1.0"	4 / 0.75"	8 / 1.0"	5 / 1.0"
MAX. P.D. FEET	6 FT	-	6 FT	6 FT	6 FT	6 FT	6 FT	6 FT	6 FT	6 FT	6 FT

- NOTES:
- EXT. SP DOES NOT INCLUDE FILTERS, COILS, CASING, CONVERSIONS OR MIXING DAMPER LOSSES.
 - MOTORS SHALL BE COPPER WOUND, PREMIUM EFFICIENCY TYPE (+90% MINIMUM).
 - DESIGN FAN HP IS MOTOR SIZE WIRED BY ELECTRICAL. MANUFACTURERS REQUIRING LARGER MOTORS MUST PAY FOR INCREASED CIRCUIT COSTS. SMALLER MOTORS MAY BE PROVIDED IF BHP IS LESS THAN SCHEDULED AND A 1/4" WG PRESSURE DROP DOES NOT OVERLOAD MOTOR.
 - PROVIDE MERV 13 FILTERS WITH MAXIMUM FILTER VELOCITY AT 350 FT / MIN.
 - PROVIDE S.S. SLOPING DRAIN PAN WITH CONDENSATE OVERFLOW SENSOR FOR ALL HANGING AHUs.
 - ALL UNITS SHALL BE INTERNALLY ISOLATED.
 - PROVIDE RETURN AIR FILTER MIXING BOX FOR HORIZONTAL UNITS.
 - (*) DESIGNATE PRETREATED OUTSIDE AIR AND HEATING LOAD BASED ON WORST CASE SCENARIO.

FAN POWERED TERMINAL UNITS SCHEDULE													
MARK	COOLING MAX	COOLING MIN	REHEAT	DIAMETER	E.S.P (W.G)	VELOCITY	HP	MCA	MOCPP	VOLTS	HEATING MBH	HEATING GPM	PIPE SIZE & CONN. SIDE
FPB-1-1	625	188	313	8	0.3"	1790	0.25 HP	0.64	15	277V	11.8	0.6	3/4", RH
FPB-1-2	600	180	300	8	0.3"	1719	0.25 HP	0.64	15	277V	11.3	0.6	3/4", RH
FPB-1-3	850	255	425	10	0.3"	1558	0.25 HP	0.64	15	277V	16.1	0.8	3/4", RH
FPB-1-4	1000	300	500	10	0.3"	1833	0.5 HP	1.27	15	277V	18.9	0.9	3/4", LH
FPB-1-5	1450	435	725	12	0.3"	1846	0.75 HP	1.91	15	277V	27.4	1.4	3/4", RH
FPB-2-1	550	165	275	8	0.3"	1576	0.25 HP	0.64	15	277V	10.4	0.5	3/4", RH
FPB-2-2	800	240	400	10	0.3"	1467	0.25 HP	0.64	15	277V	15.1	0.8	3/4", LH
FPB-2-3	400	120	200	8	0.3"	1146	0.25 HP	0.64	15	277V	7.6	0.4	3/4", LH
FPB-2-4	700	210	350	10	0.3"	1283	0.25 HP	0.64	15	277V	13.2	0.7	3/4", LH
FPB-2-5	200	60	100	6	0.3"	1019	0.25 HP	0.64	15	277V	3.8	0.2	3/4", LH
FPB-2-6	1400	420	700	12	0.3"	1783	0.75 HP	1.91	15	277V	26.5	1.3	3/4", RH
FPB-2-7	1550	465	775	12	0.3"	1974	0.75 HP	1.91	15	277V	29.3	1.5	3/4", RH
FPB-2-8	1100	330	550	12	0.3"	1401	0.5 HP	1.27	15	277V	20.8	1.0	3/4", LH
FPB-2-9	300	90	150	6	0.3"	1528	0.25 HP	0.64	15	277V	5.7	0.3	3/4", RH
FPB-2-10	400	120	200	8	0.3"	1146	0.25 HP	0.64	15	277V	7.6	0.4	3/4", RH
FPB-2-11	625	188	313	8	0.3"	1790	0.25 HP	0.64	15	277V	11.8	0.6	3/4", RH
FPB-2-12	500	150	250	8	0.3"	1432	0.25 HP	0.64	15	277V	9.5	0.5	3/4", LH
FPB-2-13	525	158	263	8	0.3"	1504	0.25 HP	0.64	15	277V	9.9	0.5	3/4", RH
FPB-2-14	875	263	438	10	0.3"	1604	0.25 HP	0.64	15	277V	16.5	0.8	3/4", LH
FPB-2-15	650	195	325	8	0.3"	1862	0.25 HP	0.64	15	277V	12.3	0.6	3/4", LH

- NOTES:
- FAN POWERED BOXES SHALL HAVE ECM MOTOR WITH 277V/1PH POWER.
 - ALL UNITS REQUIRING HEAT SHALL BE EQUIPPED WITH HOT WATER HEATING COIL.
 - STATIC PRESSURES SHOWN ARE EXTERNAL TO UNITS. MANUFACTURER SHALL ADD DAMPER, HEATING COIL, CASING, FILTER, AND OTHER UNIT LOSSES BEFORE SELECTING FAN.
 - HEATING CAPACITY IS BASED ON COLD AIR AT 55°F AND VALVE AT 50% OPENED MIXING WITH PLENUM AIR AT 75°F.
 - REFERENCE 16MS.01 FOR DETAIL AND WRITTEN SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
 - TERMINAL UNIT MANUFACTURER MUST FACTORY MOUNT, WIRE, AND PROGRAM DDC CONTROLLER AND CONTROL DEVICES

EXHAUST FAN SCHEDULE																	
MARK	EF-1	EF-2	EF-3	EF-4	EF-5	EF-6	EF-7	EF-8	EF-9	EF-10	EF-11	WEF-1	WEF-2	WEF-3	WEF-4	WEF-5	WEF-6
SERVES	RR	RR	RR	CUSTODIAL	RR	CHEM STOR.	WELD. HOOD	CARPENTRY	PAINTER	GEN MAINT	HVAC STOR	WAREHOUSE	WAREHOUSE	WAREHOUSE	WAREHOUSE	BUSWASH	MECH. BAY
TYPE	ROOF	ROOF	ROOF	ROOF	INLINE	INLINE	INLINE	INLINE	INLINE	INLINE	INLINE	WALL	WALL	WALL	WALL	WALL	INLINE
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
CFM	600	600	100	100	200	100	1,000	650	900	1,500	1,000	14,500	14,500	14,500	14,500	2,000	14,500
E.S.P.	0.5"	0.5"	0.35"	0.35"	0.675"	0.35"	0.5"	0.35"	0.35"	0.35"	0.5	0.5	0.5	0.5	0.5	0.5	0.675"
IMPELLER SIZE	10	10	7	7	9	7	12	10	10	12	10	42	42	42	42	24	42
DESIGN H.P.	1/8 HP	1/8 HP	1/20 HP	1/20 HP	1/6 HP	1/20 HP	1/4 HP	1/6 HP	1/3 HP	1/3 HP	3 HP	3 HP	3 HP	3 HP	3 HP	1/2 HP	3 HP
VOLTAGE	120 V	120 V	120 V	120 V	120 V	120 V	120 V	120V	120V	120V	120V	480V / 3 PH	480V / 3 PH	480V / 3 PH	480V / 3 PH	120 V	480V / 3 PH
MANUF.	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK	LOREN COOK
MODEL #	100 ACED	100 ACED	70 ACED	70 ACED	90 SQND	70 SQND	120 SQND	100 SQND	100 SQND	120 SQND	100 SQND	42 EWD	42 EWD	42 EWD	24 EWD	42 EWD	90 SQND
SONES	8.9	8.9	4.2	4.2	6.9	2.7	9.7	6.1	9.5	12.4	11.3	27.0	27.0	27.0	18.0	27.0	6.9
NOTES	1,2,6	1,2,6	1,2,6	1,2,6	1,5,6	1,5	1,5	1,5	1,5	1,5	1,5	3,7	3,7	3,7	3,7	3,7	1,5,6

- NOTES:
- STATIC PRESSURE SHOWN IS EXTERNAL TO UNIT. MANUFACTURER SHALL ADD DAMPER AND ACCESSORY LOSSES TO THIS VALUE BEFORE SELECTING FAN.
 - INSULATED ROOF CURB, BACKDRAFT DAMPER, BIRDSCREEN, SPEED CONTROLLER, AND DISCONNECT SWITCH.
 - INTERLOCK FAN WITH LOCAL TSTAT.
 - DISCONNECT SWITCH, CEILING GRILLE, AND WALL CAP. INTERLOCK WITH ROOM LIGHT SWITCH.
 - DISCONNECT SWITCH, BACKDRAFT DAMPER, AND SPEED CONTROLLER.
 - EXHAUST FAN TO BE INTERLOCKED WITH ASSOCIATED AHU.
 - EXHAUST FAN TO HAVE RAINHOOD, MOTOR GUARD, AND BE INTERLOCKED WITH ASSOCIATED MAKE-UP AIR DAMPER.

MOTOR STARTER REQUIREMENTS

EQUIPMENT	STARTER TYPE	PROVIDED UNDER
SP-1,2	VARIABLE FREQUENCY	MECHANICAL
HWP-1,2	VARIABLE FREQUENCY	MECHANICAL
ALL AHUs	VARIABLE FREQUENCY	MECHANICAL
ALL 480V/3PH Sfs	VARIABLE FREQUENCY	MECHANICAL
CHP-1,2	VARIABLE FREQUENCY	MECHANICAL
ALL OTHER MOTORS	STANDARD	MECHANICAL

RELIEF VENT SCHEDULE

MARK	RV-1
SERVES	BUILDING RELIEF
TYPE	ROOF-RELIEF
CFM	3,200
STATIC PRESSURE	0.3"
SIZE	30
COOK MODEL	PR-30

- NOTES:
- INSULATED ROOF CURB & BIRDSCREEN
 - BAROMETRIC & MOTORIZED DAMPER

AIR-COOLED CHILLER SCHEDULE

MARK	CH-1	CH-2
CAPACITY TONS	60	60
COOLER FLOW RATE, GPM	90 GPM	90 GPM
EWLT, ° F	58°F	58°F
LWT, ° F	42° F	42° F
MAX. P.D.	12 FT	12 FT
FOUL'G FACTOR	0.0001	0.0001
COMPRESSOR TYPE	SCROLL	SCROLL
REFRIGERANT	R-32	R-32
ARHI EER/PLV	10.84 / 19.15	10.84 / 19.15
VOLTAGE	460V / 3 PH	460V / 3 PH
MCA / MOCPP / FUSE SIZE, AMPS	143 / 175 / 175	143 / 175 / 175
DAIKIN MODEL #	AGZ	AGZ

- NOTES:
- PROVIDE POWERED CONVENIENCE OUTLET AND SEPARATE ELECTRICAL CONNECTION FOR BARREL HEATER.
 - PROVIDE E-COATED CONDENSER COILS.
 - AMBIENT AIR = 100°F.
 - PROVIDE EXTRA HIGH EFFICIENCY/PERFORMANCE & HIGH AMBIENT OPTIONS.
 - PROVIDE HEAD PRESSURE CONTROLS FOR OPERATION DOWN TO 20°F AMBIENT
 - PROVIDE LOUVERED CONDENSER COIL GUARDS AND COMPRESSOR ACCESS WIRE GUARDS.
 - PROVIDE LOW NOISE CONDENSER FANS AND COMPRESSORS SOUND TREATMENT.
 - SEE SPECIFICATIONS FOR ADDITIONAL DETAILS AND REQUIREMENTS.

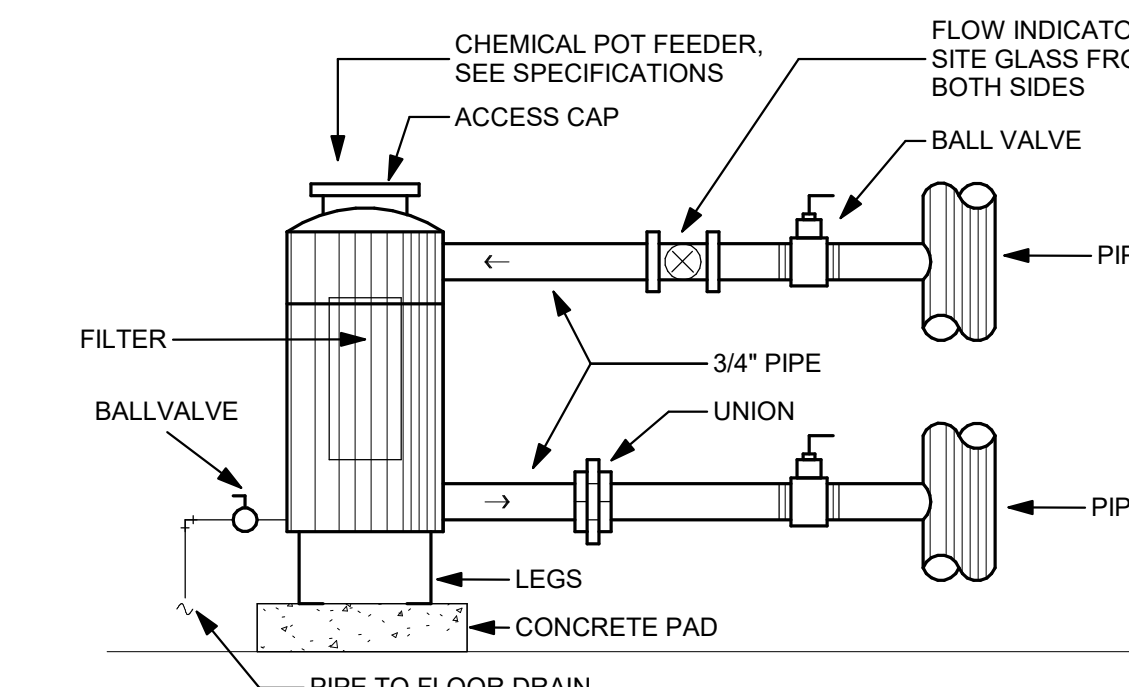
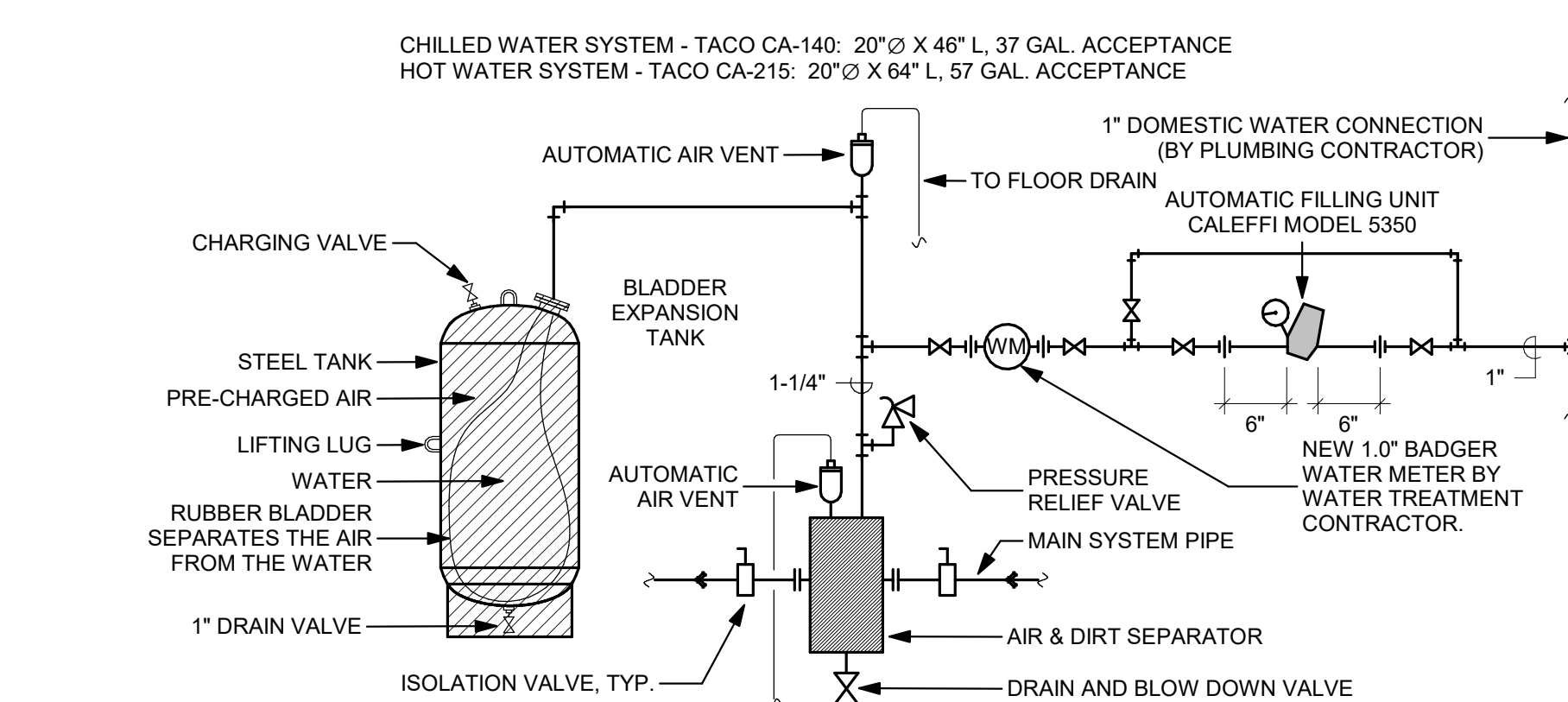
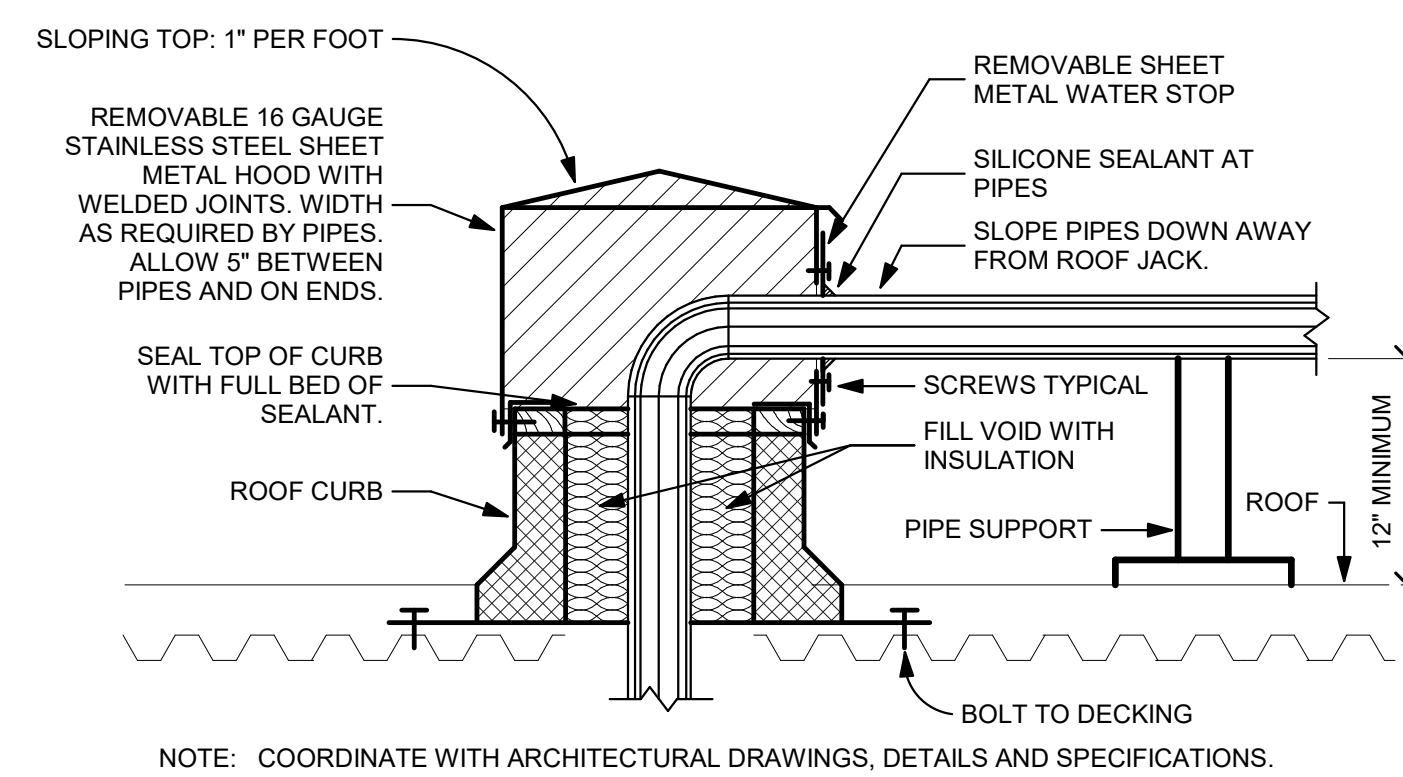
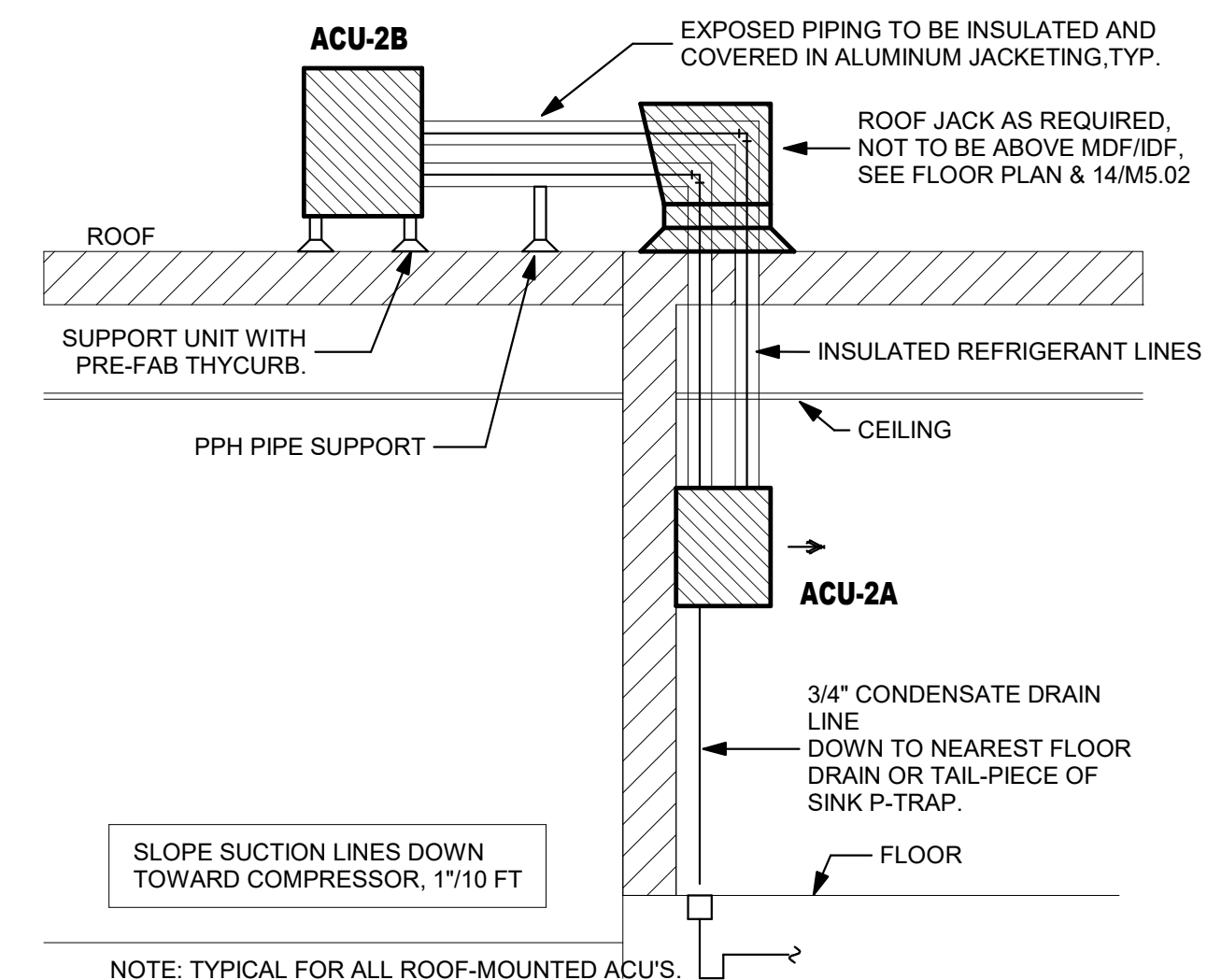
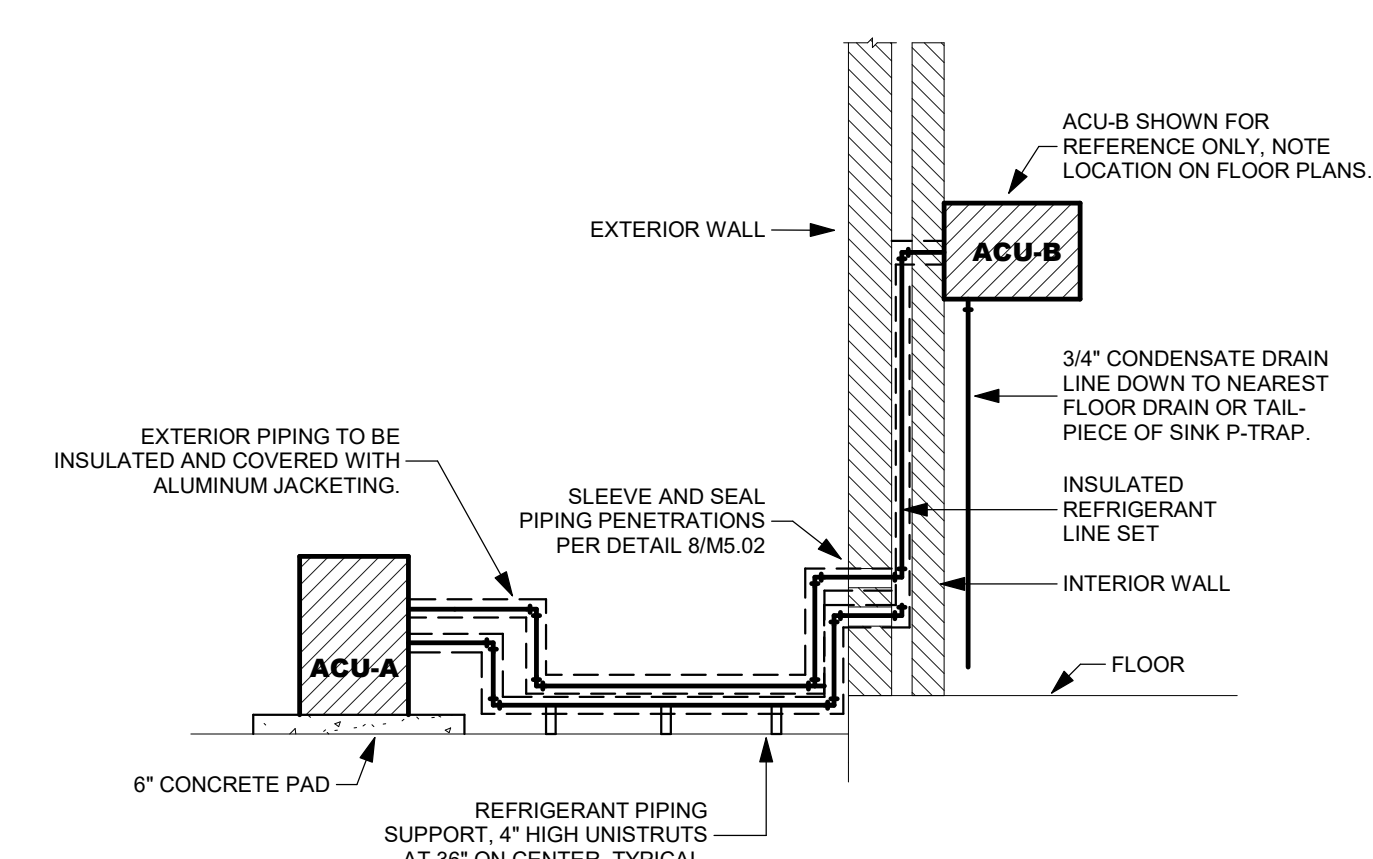
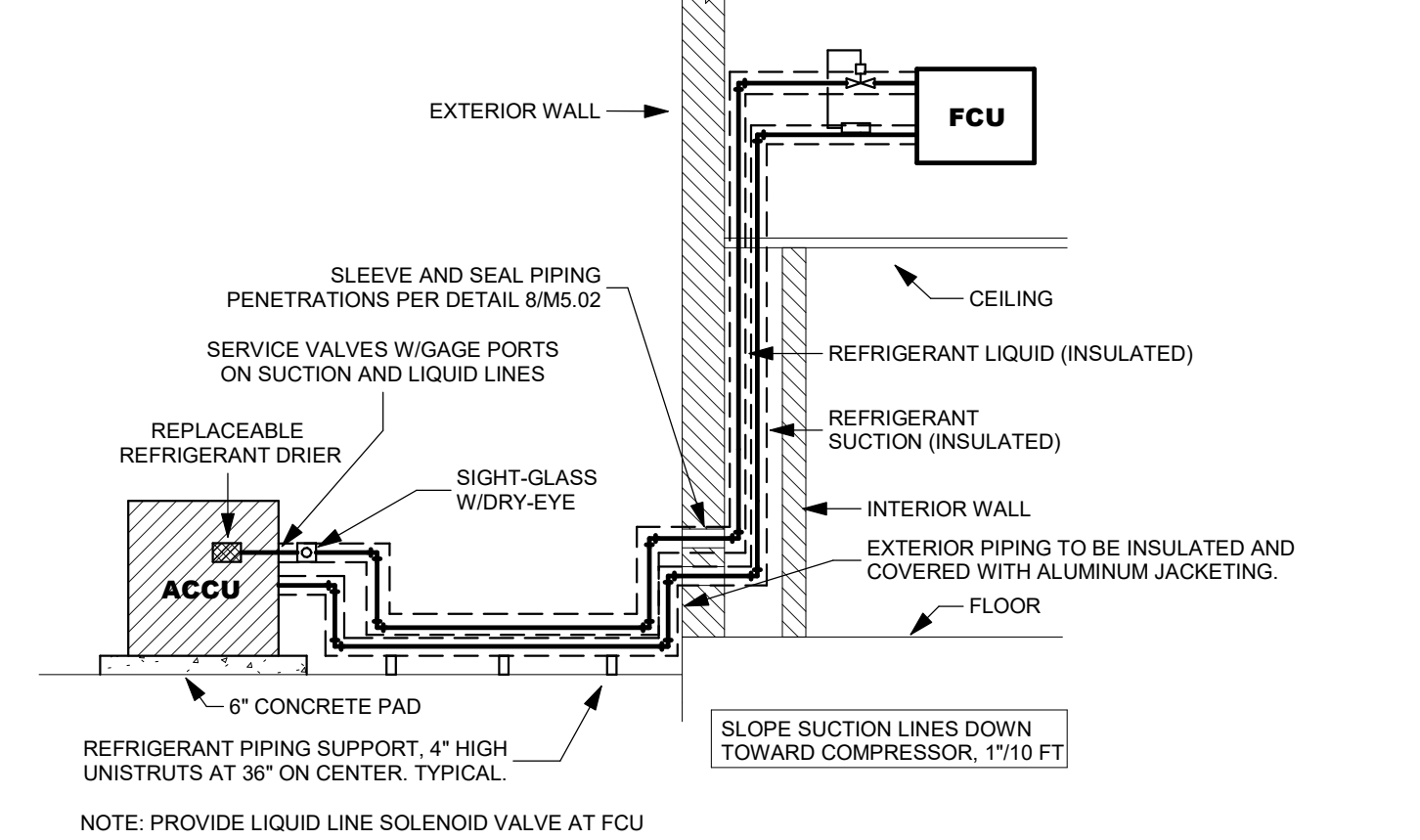
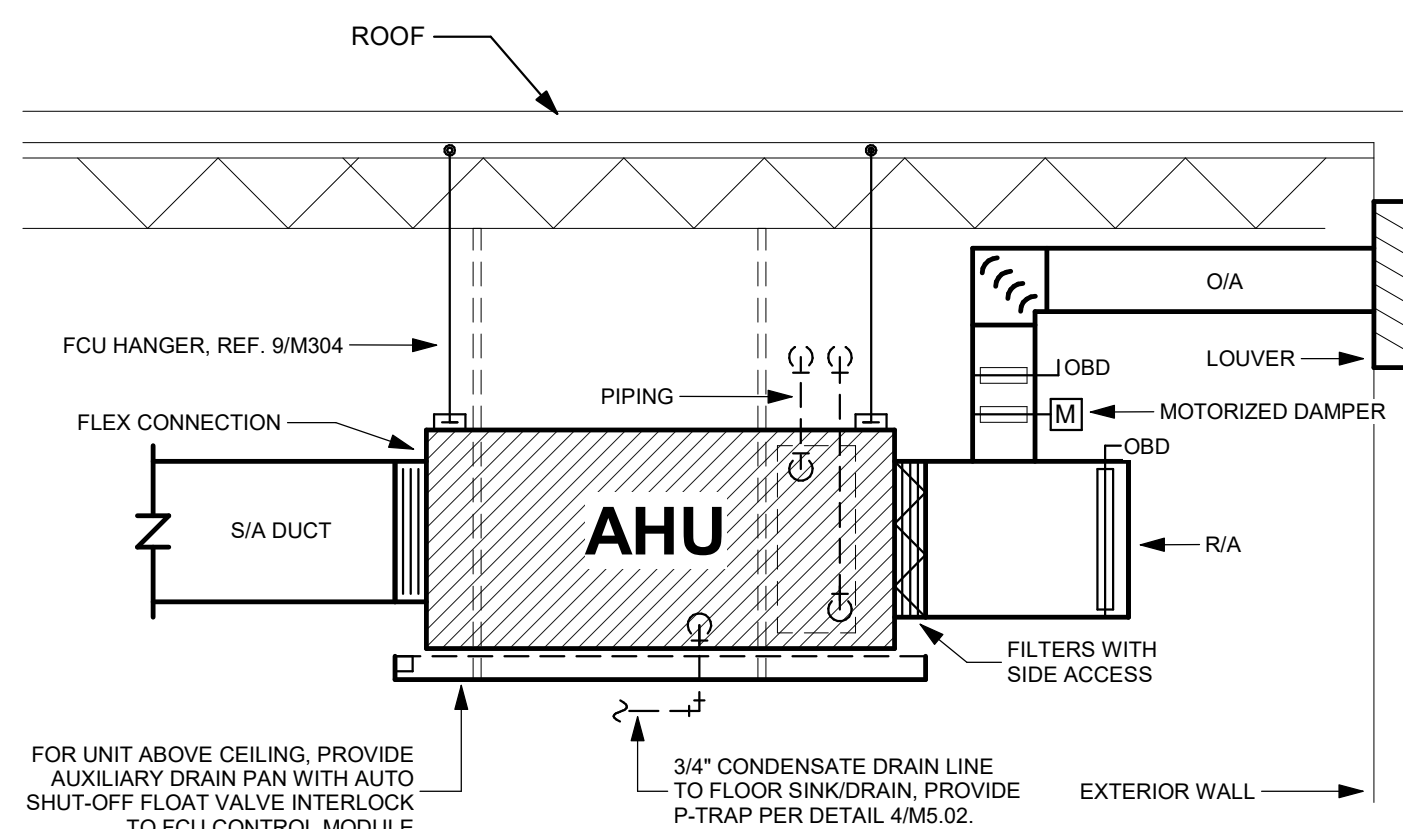
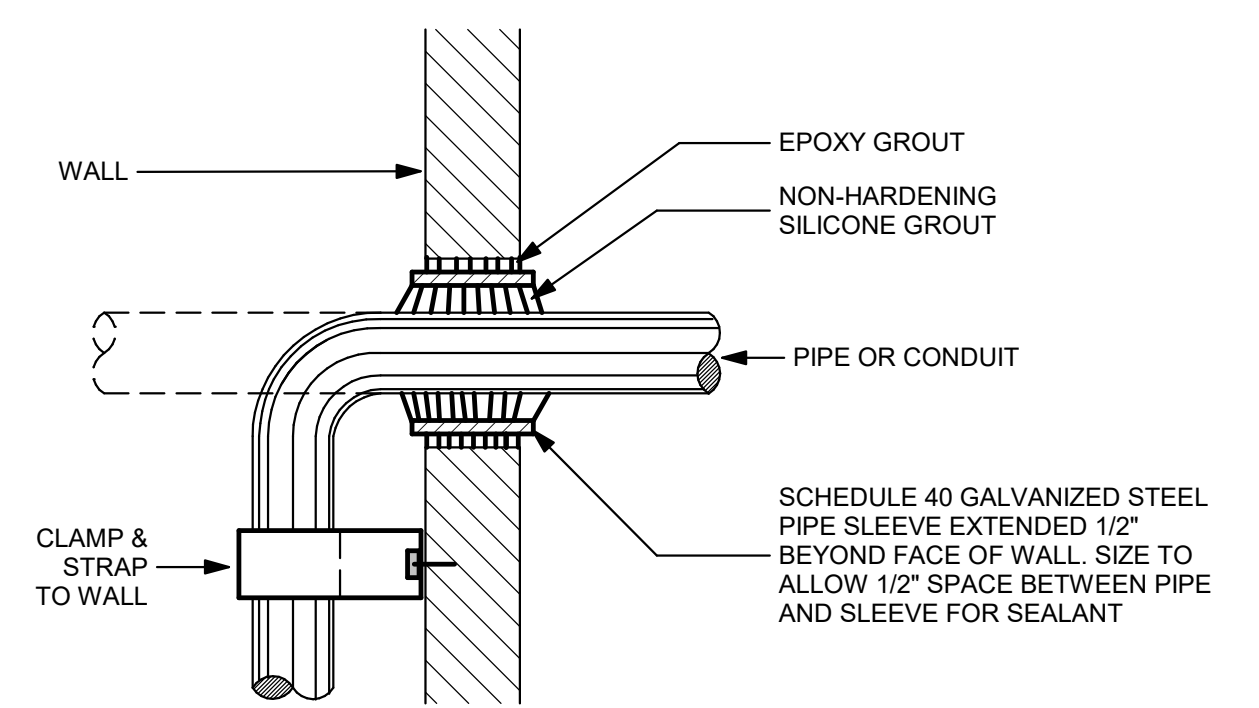
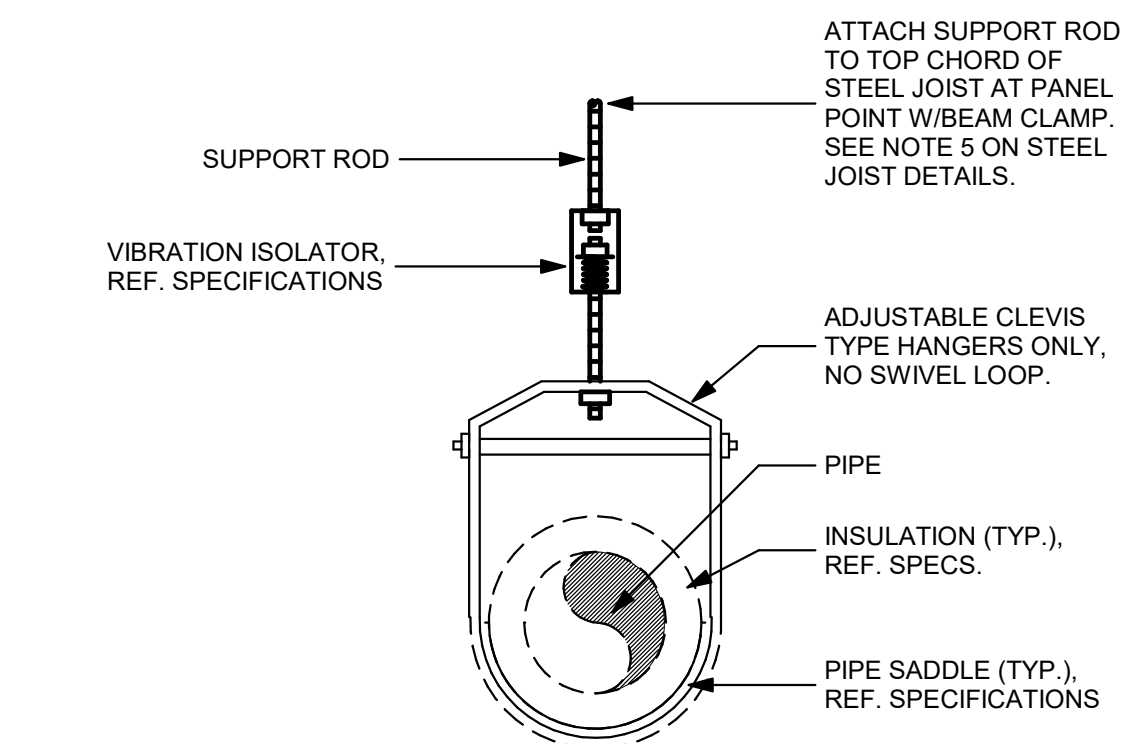
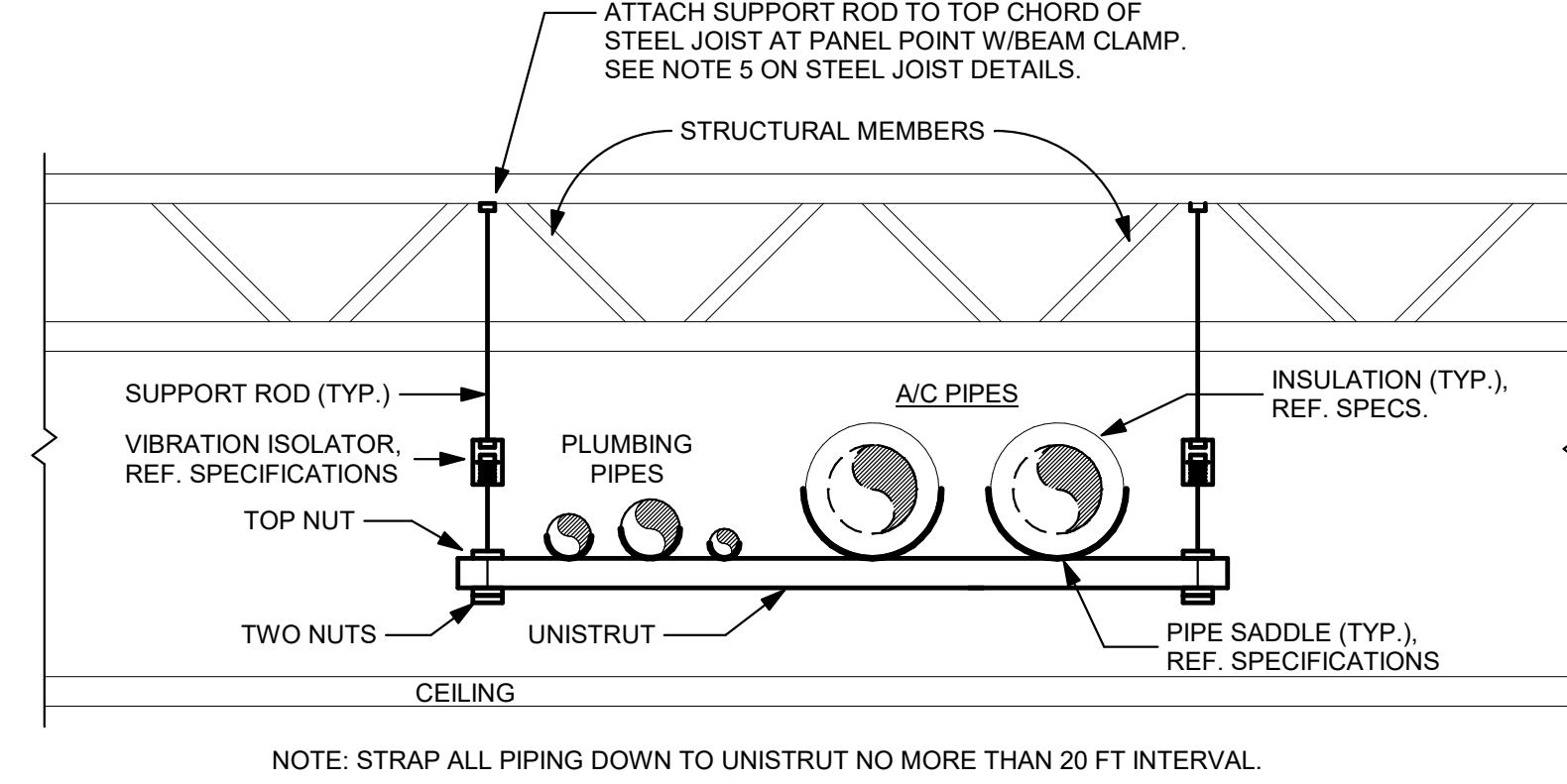
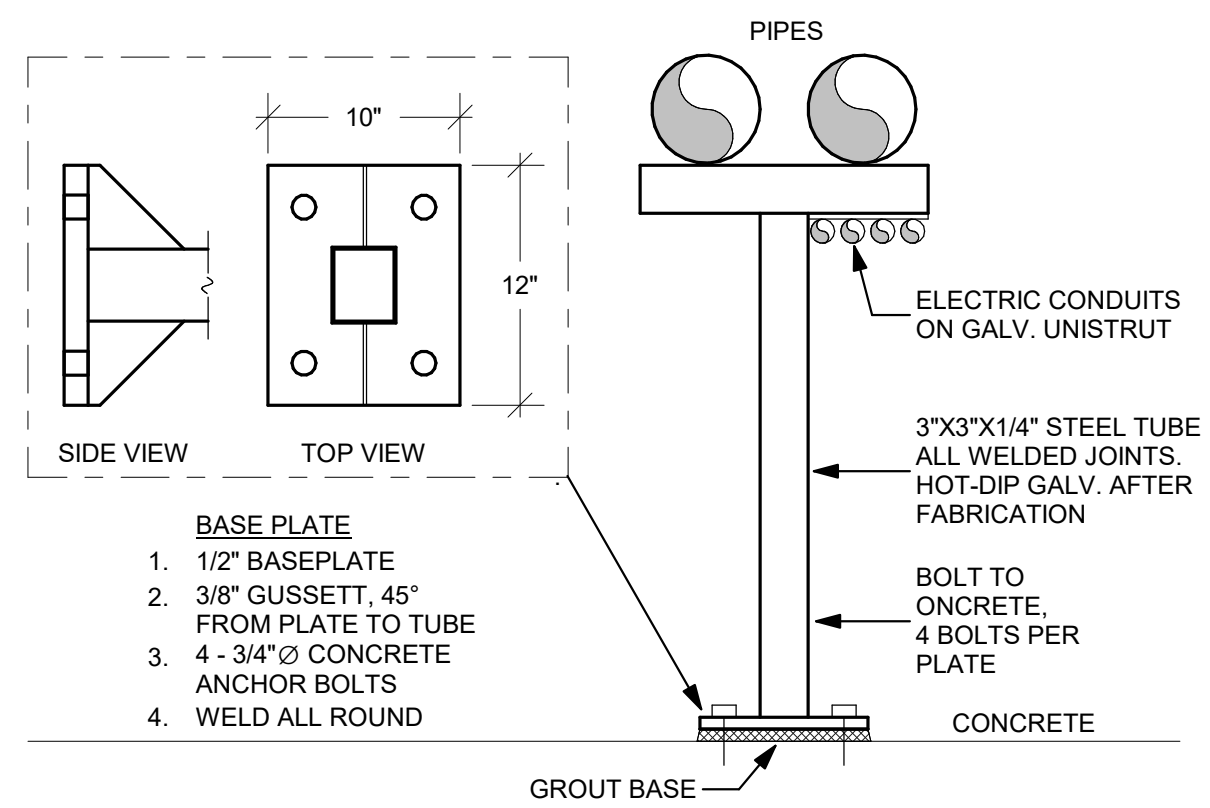
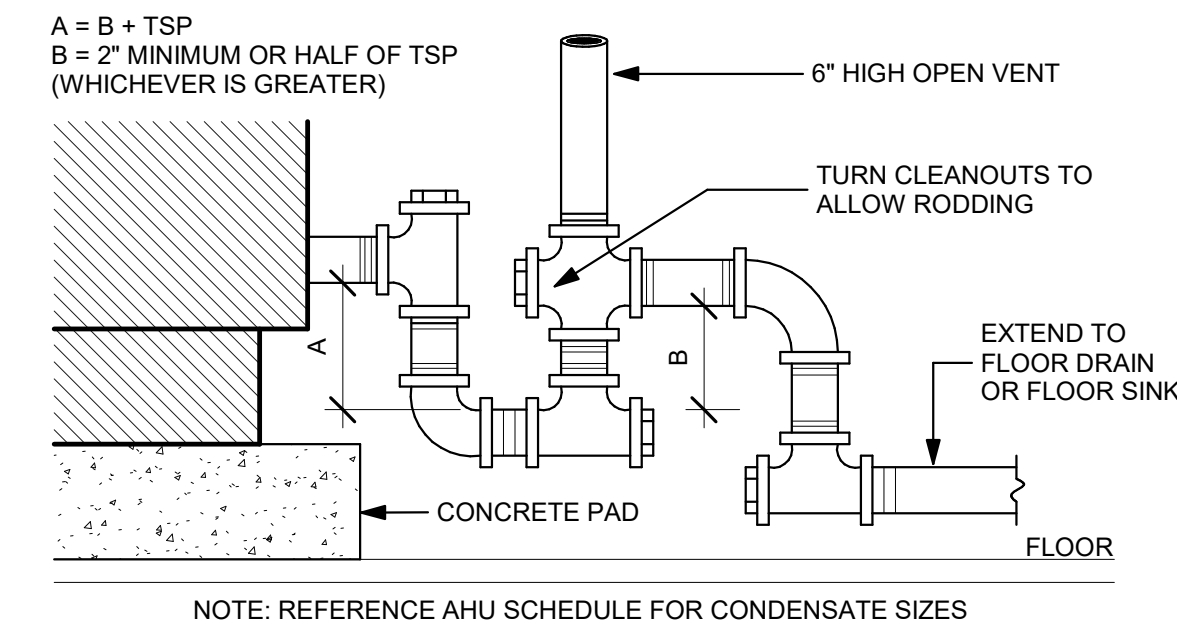
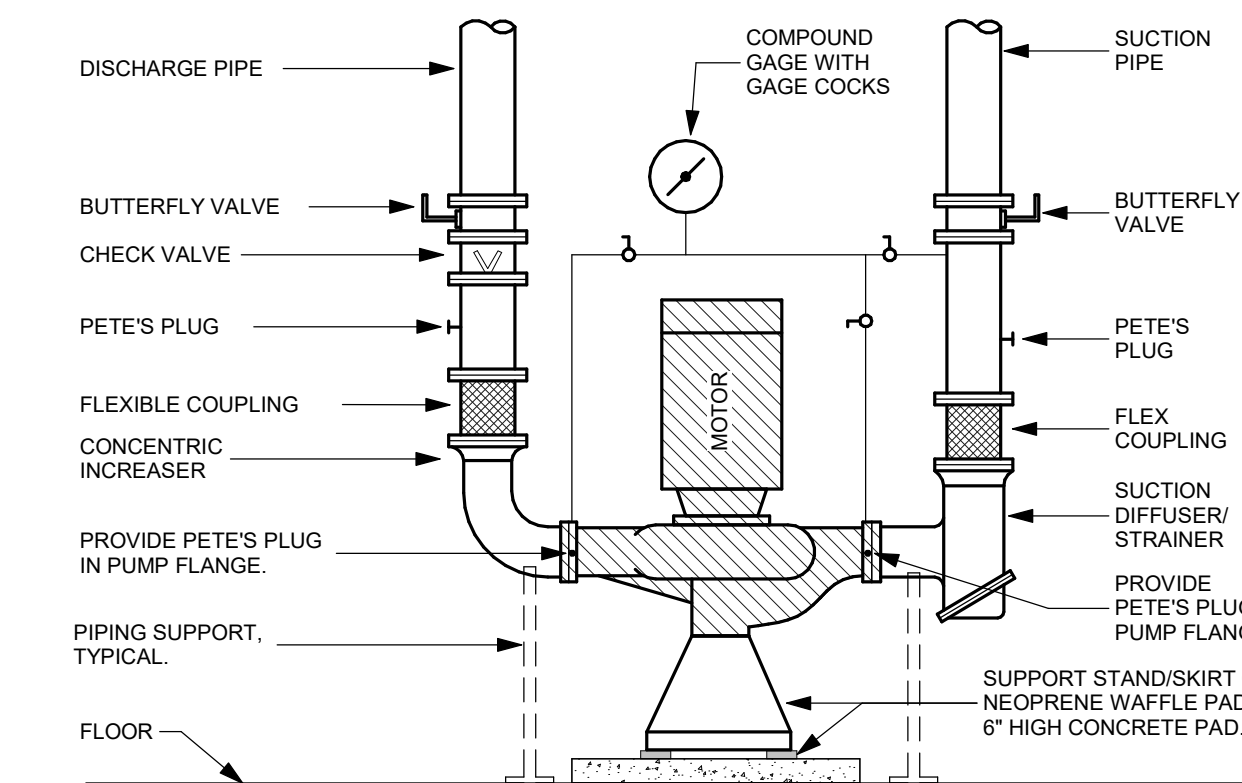
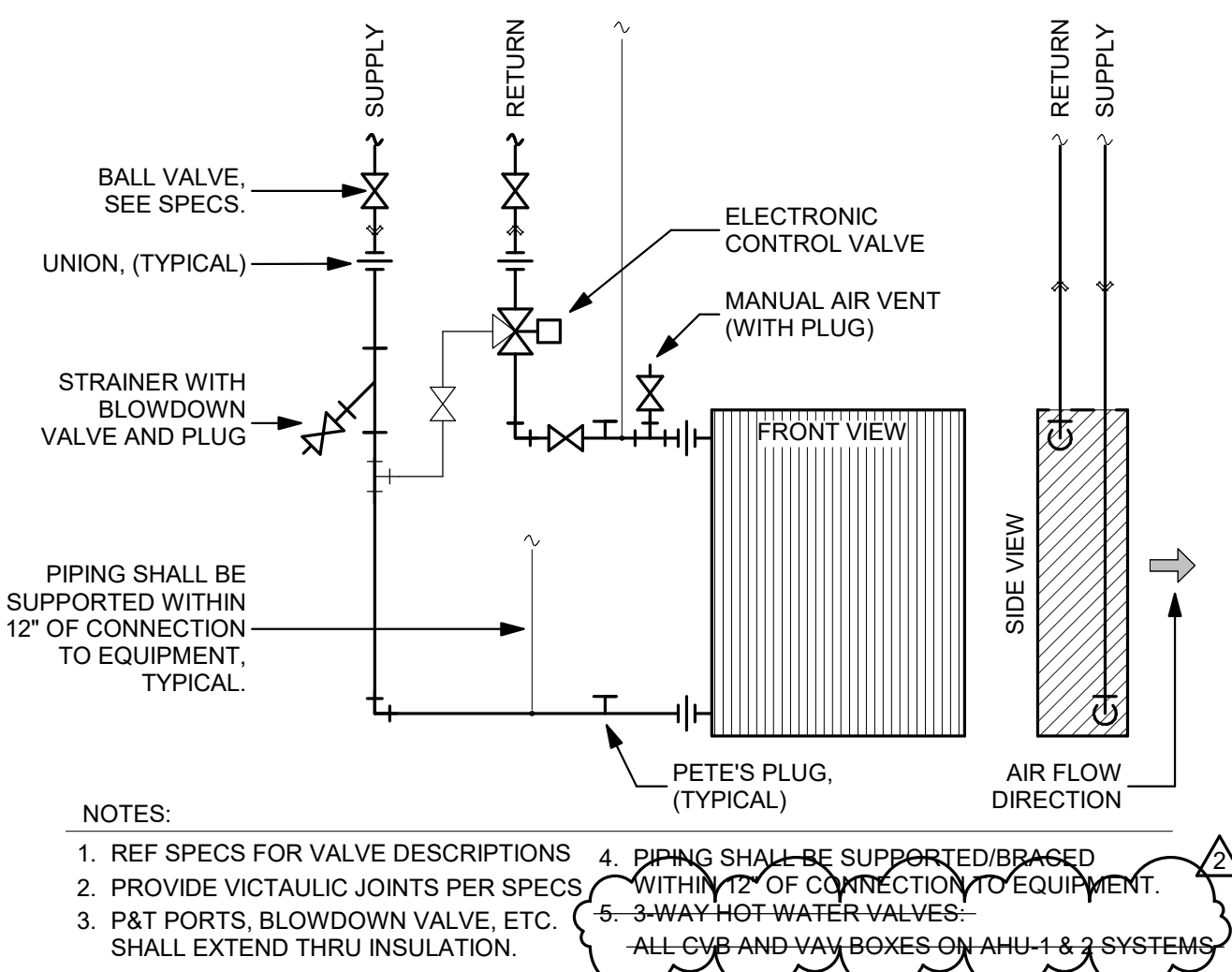
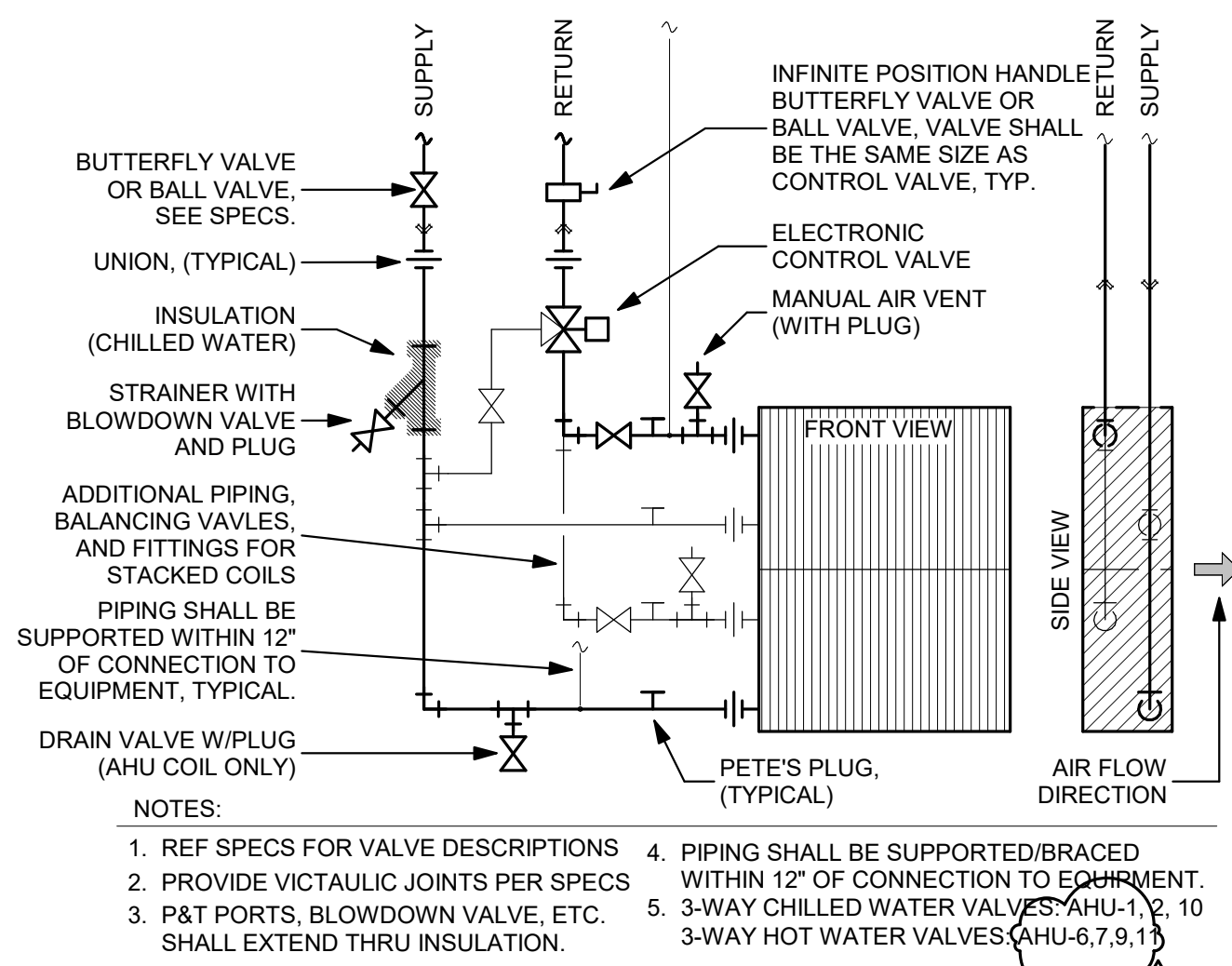
AIR HANDLING UNIT SCHEDULE - DX

MARK	FCU-W1	FCU-W2
SERVES	WAREHOUSE	WAREHOUSE
TOTAL CFM	2400	2400
O/A CFM	200	180
EXT. STATIC WG	1.0"	1.5"
DESIGN HP	1 HP	1.5 HP
VOLTAGE	480V / 3 PH	480V / 3 PH
WEIGHT	-	-
INSTALL ORIENTATION	HANGING HORIZONTAL	HANGING HORIZONTAL
MANUFACTURER	DAIKIN	DAIKIN
MODEL NUMBER	BCHD0301	BCHD0301
COIL CFM	2400	2400
MIN. COIL ROWS	6	6
EAT dbwb, °F	77.8°F/65.5°F	77.8°F/65.5°F
LAT dbwb, °F	53.3°F/53.0°F	53.3°F/53.0°F
GSH MBH	40	40
GTH MBH	56	56
COND. DRAIN SIZE	3/4"	3/4"
ELECTRIC HEAT	14 KW	14 KW
STAGE	2 STAGE	2 STAGE
HEATING EAT/LAT, °F	60.6°F/ 90.0°F	62.5°F/ 90.0°F
VOLTAGE	120V	120V
MCA/MOCPP	-	-
HEATING ELEMENT	ELECTRIC	ELECTRIC

- NOTES:
- EXT. SP DOES NOT INCLUDE FILTERS, COILS, CASING, CONVERSIONS OR MIXING DAMPER LOSSES.
 - MOTORS SHALL BE COPPER WOUND, PREMIUM EFFICIENCY TYPE (+90% MINIMUM).
 - PROVIDE MERV 13 FILTERS WITH MAXIMUM FILTER VELOCITY AT 350 FT / MIN.
 - ALL UNITS SHALL BE INTERNALLY ISOLATED.

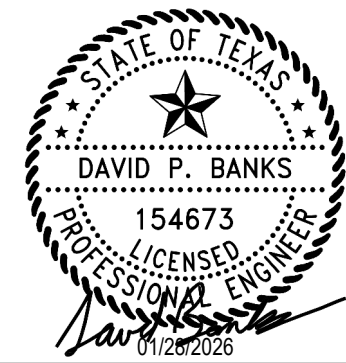
ACCU SCHEDULE

MARK	ACCU-W1	ACCU-W2
SERVES	FCU-W1	FCU-W2
CAPACITY, NOMINAL TONS	5	5
NO. OF COMP. & TYPE	2 / SCROLL	2 / SCROLL
NO. OF STAGES	2	2
NO. OF REFRIG. CIRCUIT	2	2
REFRIG. LIQUID LINE SIZE	1/2"	1/2"
REFRIG. SUCTION LINE SIZE	1-3/8"	1-3/8"
EER / SEER @ AHRI	13.4 / 14.5	13.4



NEW OPERATIONS BUILDING
FOR
NEW CANEY I.S.D.
NEW CANEY, TEXAS

Project:

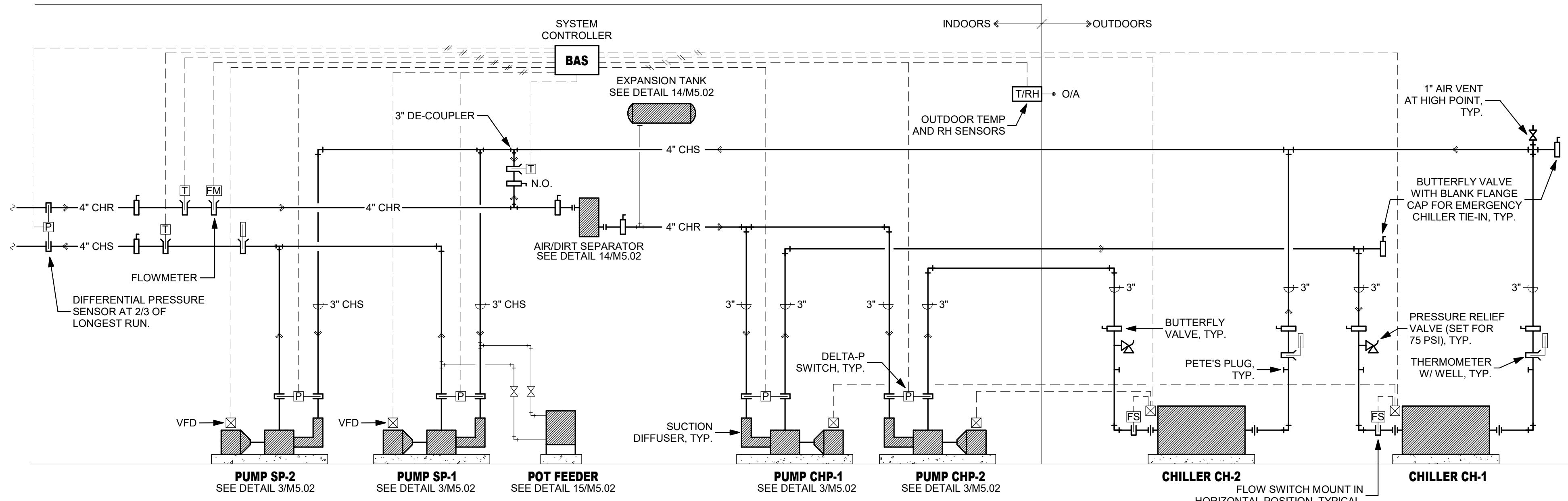


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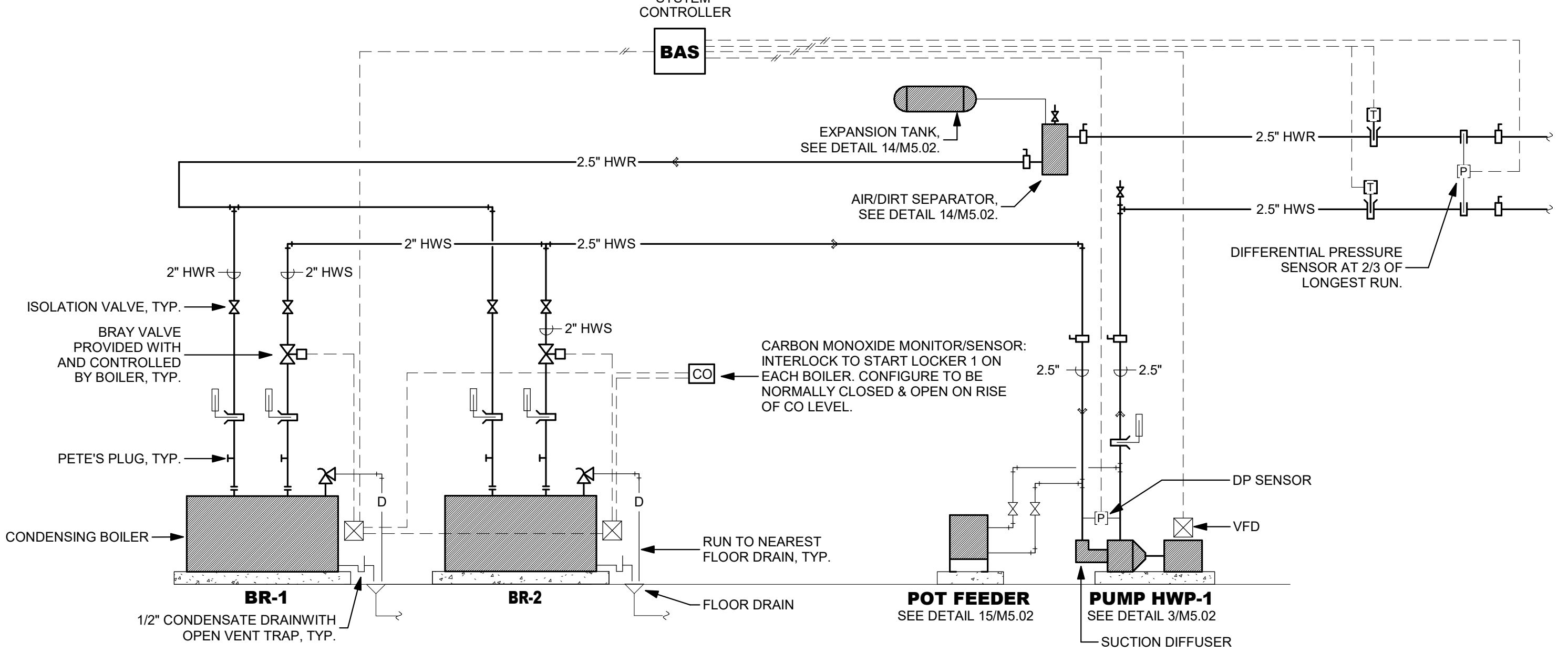
MECHANICAL DETAILS

Job No.
1971-05-01
Sheet No.
ISSUED FOR BID
M5.02
Date:
01/08/2025
ISSUED FOR BID

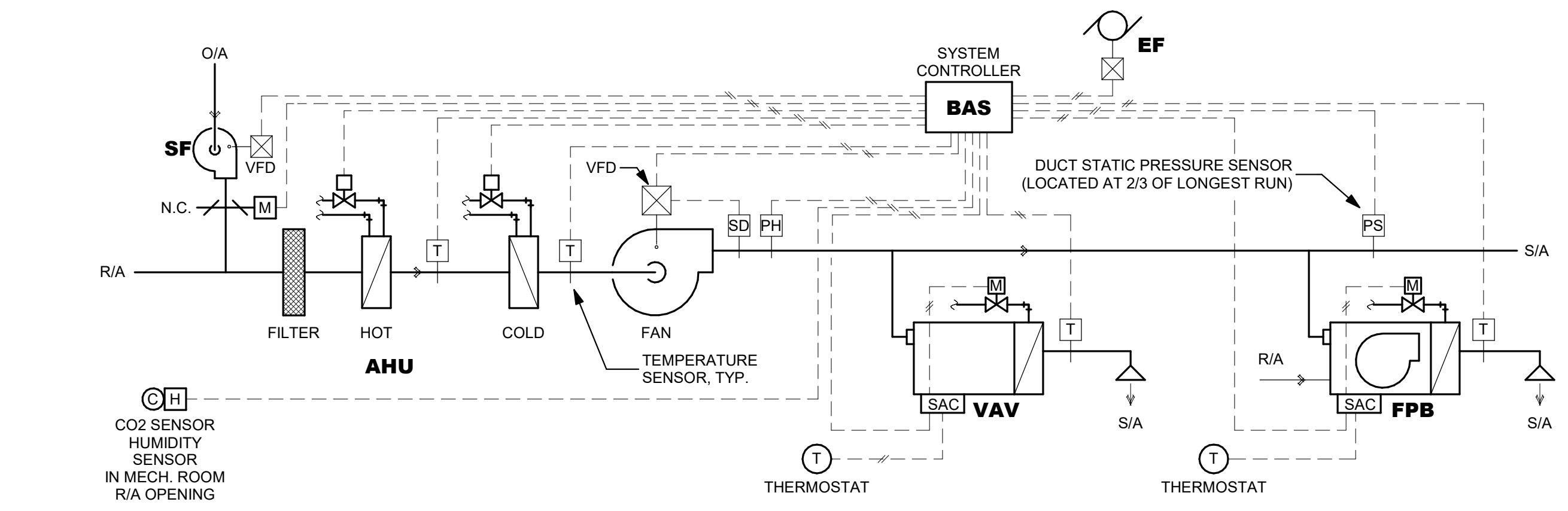
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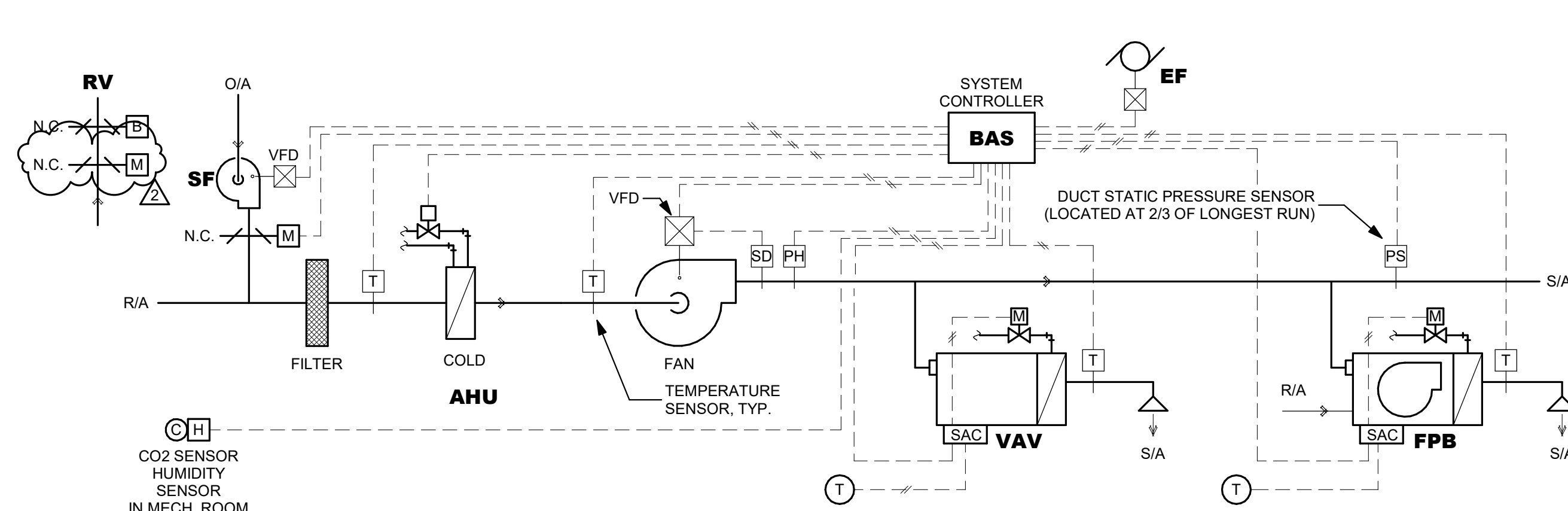
1 CHILLED WATER SYSTEM PIPING AND CONTROLS SCHEMATIC
NO SCALE



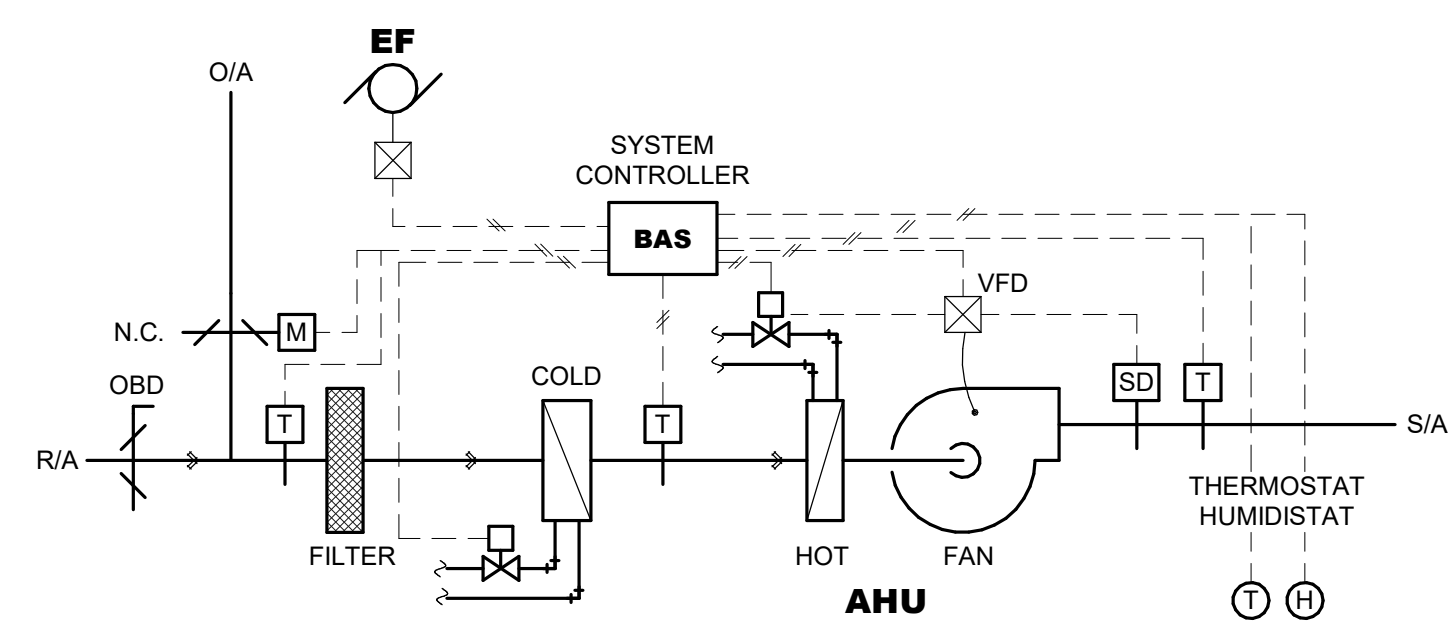
2 HOT WATER SYSTEM PIPING AND CONTROLS SCHEMATIC
NO SCALE



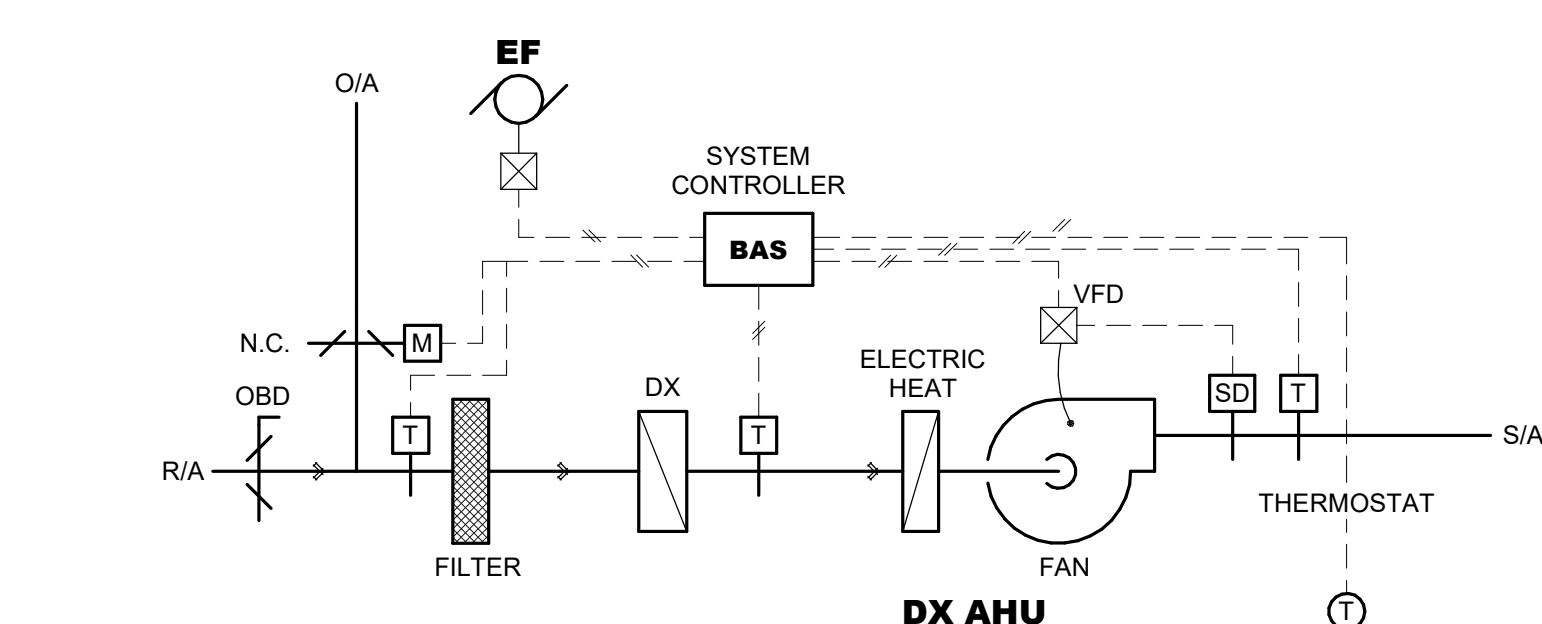
3 AHU-1 CONTROLS SCHEMATIC
NO SCALE



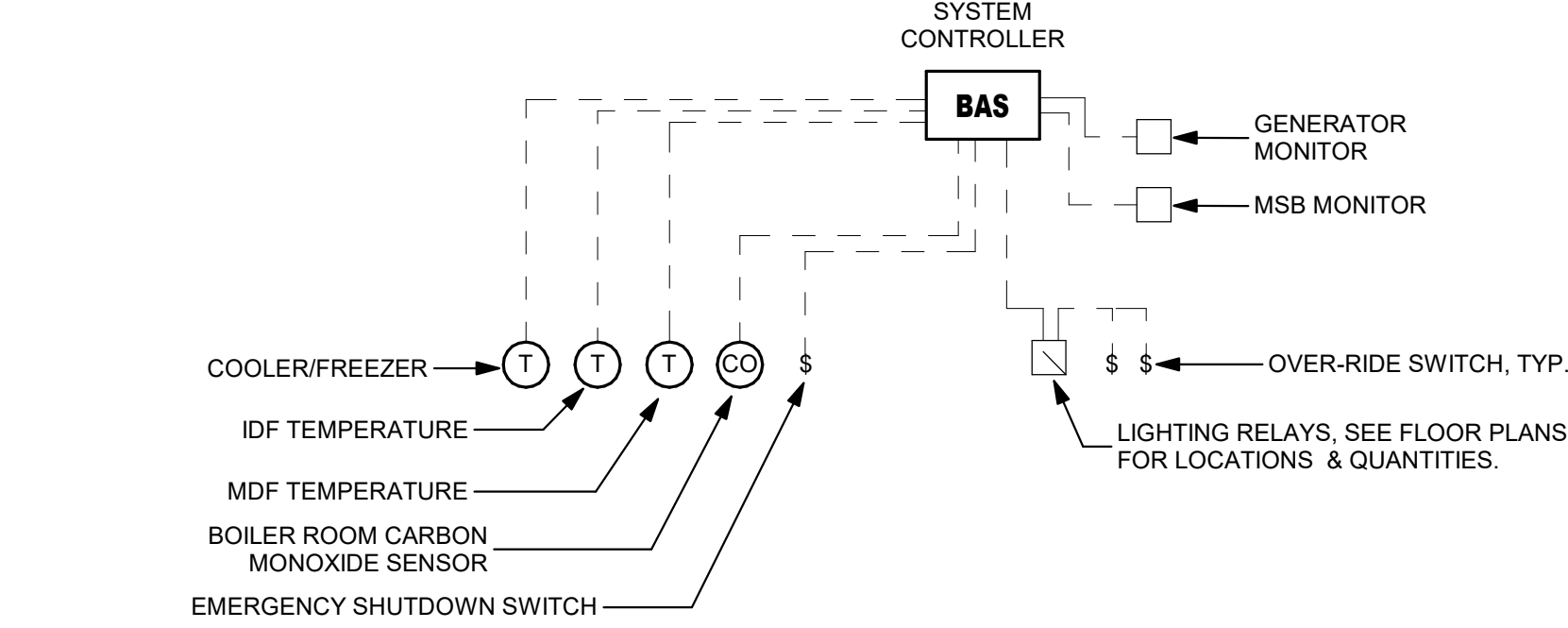
4 AHU-2 CONTROLS SCHEMATIC
NO SCALE



5 SZ AHU CONTROLS SCHEMATIC
NO SCALE



6 DX AHU CONTROLS SCHEMATIC
NO SCALE

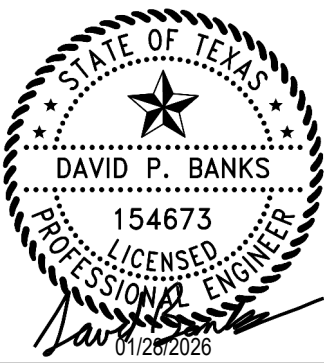


7 MISCELLANEOUS BAS CONTROL
NO SCALE

Date: 01/29/20
Revision: 2
ADD 2

NEW OPERATIONS BUILDING
FOR
NEW CANEY I.S.D.
NEW CANEY, TEXAS

Project:



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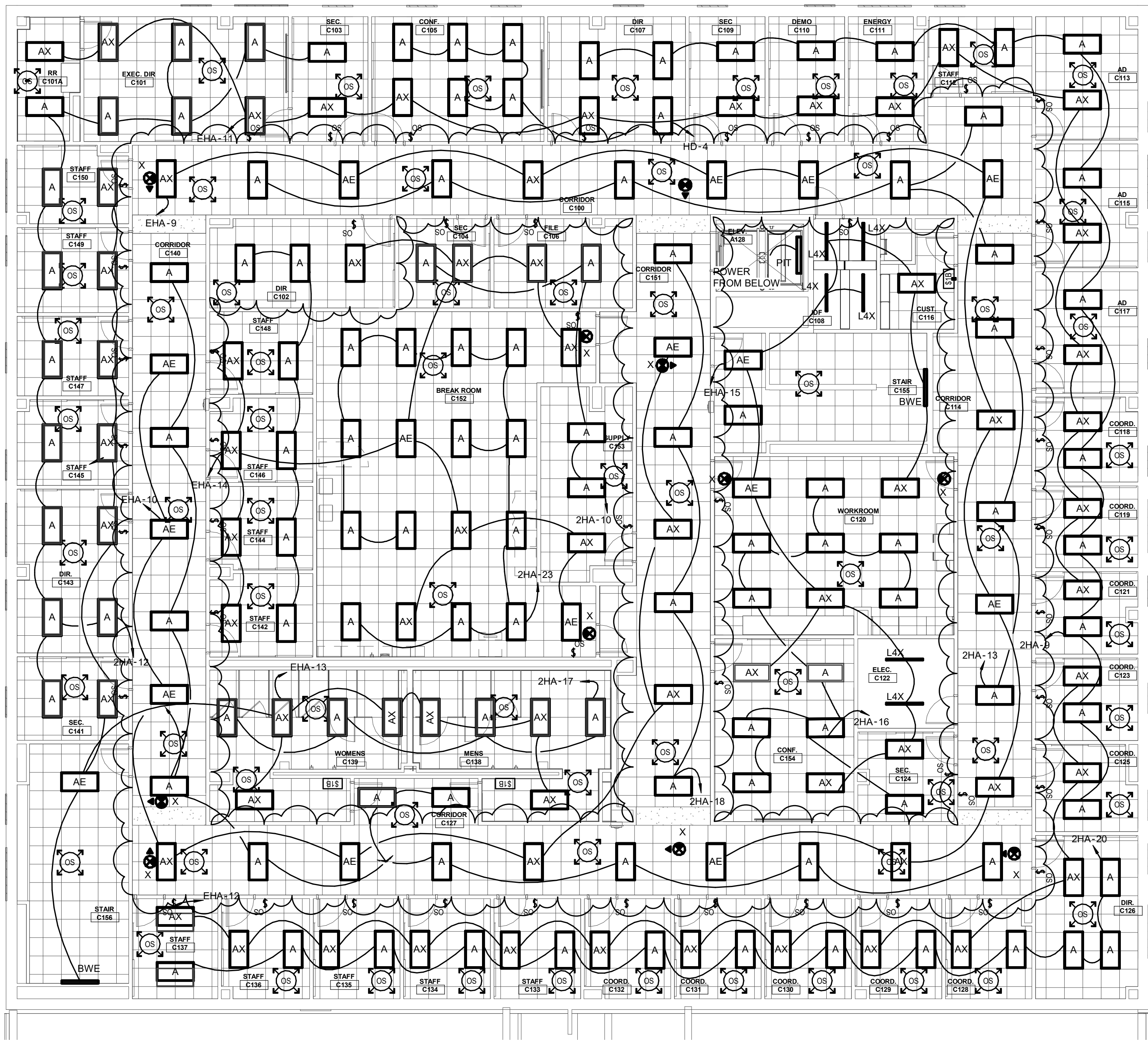
MECHANICAL SCHEMATICS

Job No. 1971-05-01
Sheet No. M6.01
Drawn By: Author
Date: 01/09/2026
ISSUED FOR BID

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GENERAL LIGHTING NOTES

1. ALL ROOM LIGHTING ROOM CONTROLLERS TO BE LOCATED ABOVE CEILING ABOVE THE DOOR JUST OUTSIDE OF THE ROOM.
2. ALL LIGHTING CONTROLLERS THAT CONTROL FIXTURES LOCATED IN A HIGH CEILING SHALL BE MOUNTED IN AN ADJACENT LOWER CEILING TO ALLOW FOR EASY ACCESS.
3. ALL EMERGENCY FIXTURES TO BE CIRCUITED TO NEAREST EMERGENCY UN SWITCHED CIRCUIT OR EMERGENCY PANEL.
4. ALL EXIT SIGNS TO BE CONNECTED WITH 2#12 +12G IN 3/4" CONDUIT TO NEAREST UNSWITCHED EMERGENCY LIGHTING CIRCUIT. FINAL LAYOUT OF EMERGENCY EXIT SIGN TO BE CONFIRMED WITH THE EGRESS PLAN.
5. PROVIDE REMOTE DRIVERS FOR FIXTURES IN DOUBLE VOLUME SPACES AND ARE INACCESSIBLE. REMOTE DRIVERS SHALL BE MOUNTED IN AN ACCESSIBLE SPACE WITHIN MANUFACTURE'S LIMIT OF DISTANCES.
6. REFER TO LIGHTING SCHEDULE DRAWING FOR THE LUMINARIES SPECIFICATION.
7. FINAL FINISH OF ALL LIGHTING FIXTURES ARE TO BE FINALIZED BY ARCHITECT.
8. EXTERIOR FIXTURES TO BE ON BAS CONTROLLED RELAY SCHEDULE.



2 LIGHTING REFLECTED CEILING PLAN - LEVEL 2 - AREA C - OPERATIONS BUILDING
SCALE= 1/8" = 1'-0"
TRUE



1 LIGHTING REFLECTED CEILING PLAN - LEVEL 1 - AREA A - OPERATIONS BUILDING
SCALE= 1/8" = 1'-0"
TRUE

