

GENERAL NOTES:

- COORDINATE LOCATIONS AND SIZES OF ROOF OPENINGS ON FIELD.
- EQUIPMENT SIZES, DIMENSIONS AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE ACTUAL EQUIPMENT SELECTED VENDOR DRAWINGS BEFORE FABRICATION OF DUCTWORK, PIPING ETC.
- CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS FOR ALL HVAC BASED ON ACTUAL EQUIPMENT SELECTED PRIOR TO INSTALLATION.
- ALL SOURCE OF MECHANICAL INTAKE SHALL MAINTAIN 10 LINEAR FEET SEPARATION BETWEEN ANY SOURCE OF EXHAUST. CONTRACTOR IS RESPONSIBLE TO ADJUST DUCT LENGTH AS NEEDED.

KEYED NOTES:

- CONTRACTOR TO REPLACE THE EXISTING ROOF TOP UNIT AND PROVIDE NEW AS SHOWN ON THE PLAN/ SCHEDULE. LOCATE THE UNIT ON THE EXISTING ROOF CURB. PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCT CONNECTIONS. SET OUTSIDE AIR AS INDICATED ON ROOFTOP UNIT SCHEDULES OR AS PER LOGIC CONTROLLER PROVIDED FOR THE DCV. TRANSITION AND CONNECT SUPPLY AND RETURN DUCTWORK FROM BELOW. COORDINATE ROUTING THROUGH STRUCTURAL TRUSSES AND OFFSET AS REQUIRED IN CURB SPACE.
- CONTRACTOR TO INSTALL NEW ROOFTOP UNIT WITH NEW ROOF CURB. PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCT CONNECTIONS. SET OUTSIDE AIR AS INDICATED ON ROOFTOP UNIT SCHEDULES OR AS PER LOGIC CONTROLLER PROVIDED FOR THE DCV. TRANSITION AND CONNECT SUPPLY AND RETURN DUCTWORK FROM BELOW. COORDINATE ROUTING THROUGH STRUCTURAL TRUSSES AND OFFSET AS REQUIRED IN CURB SPACE.
- PROVIDE NEW DRAIN LINE FOR THE UNITS. CONNECT THE DRAIN LINE TO THE MOP SINK IN FLOOR LEVEL. REFER PLUMBING SHEET P2.0 FOR DRAIN LINE AND TERMINATION LOCATION. CONNECT TO A DRAIN LINE VIA AIR GAP AS PER MANUFACTURER RECOMMENDATIONS.
- COORDINATE FINAL LOCATION OF EQUIPMENT WITH STRUCTURAL DRAWINGS.
- INSTALL ROOF MOUNTED FAN EF-1 AS PER MANUFACTURER INSTRUCTION. EXHAUST SHALL TERMINATE NOT LESS THAN 3' FROM A PROPERTY LINE, 10' FROM A FORCED AIR INLET, 10' ABOVE THE PUBLIC WALKWAYS AND 3' FROM OPENINGS INTO THE BUILDING.
- EXISTING ROOF MOUNTED CURBS TO BE DEMOLISHED AND CLOSED. COORDINATE WITH CLIENT/ARCHITECT FINAL REQUIREMENT. COORDINATE WITH ROOF CONTRACTOR FOR CLOSING MATERIAL.
- CONTRACTOR TO INSTALL NEW ROOFTOP UNIT WITH NEW ROOF CURB. PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCT CONNECTIONS. SET OUTSIDE AIR AS INDICATED ON ROOFTOP UNIT SCHEDULES. TRANSITION AND CONNECT SUPPLY AND RETURN DUCTWORK FROM BELOW. COORDINATE ROUTING THROUGH STRUCTURAL TRUSSES AND OFFSET AS REQUIRED IN CURB SPACE. MECHANICAL CONTRACTOR SHALL SCRIBE INTO UNIT POSITION OF OUTSIDE AIR DAMPER AND LABEL OUTSIDE AIR VOLUME AND PERCENT OF OUTSIDE AIR FOR (N) RTU-9.

Property of NY Engineers

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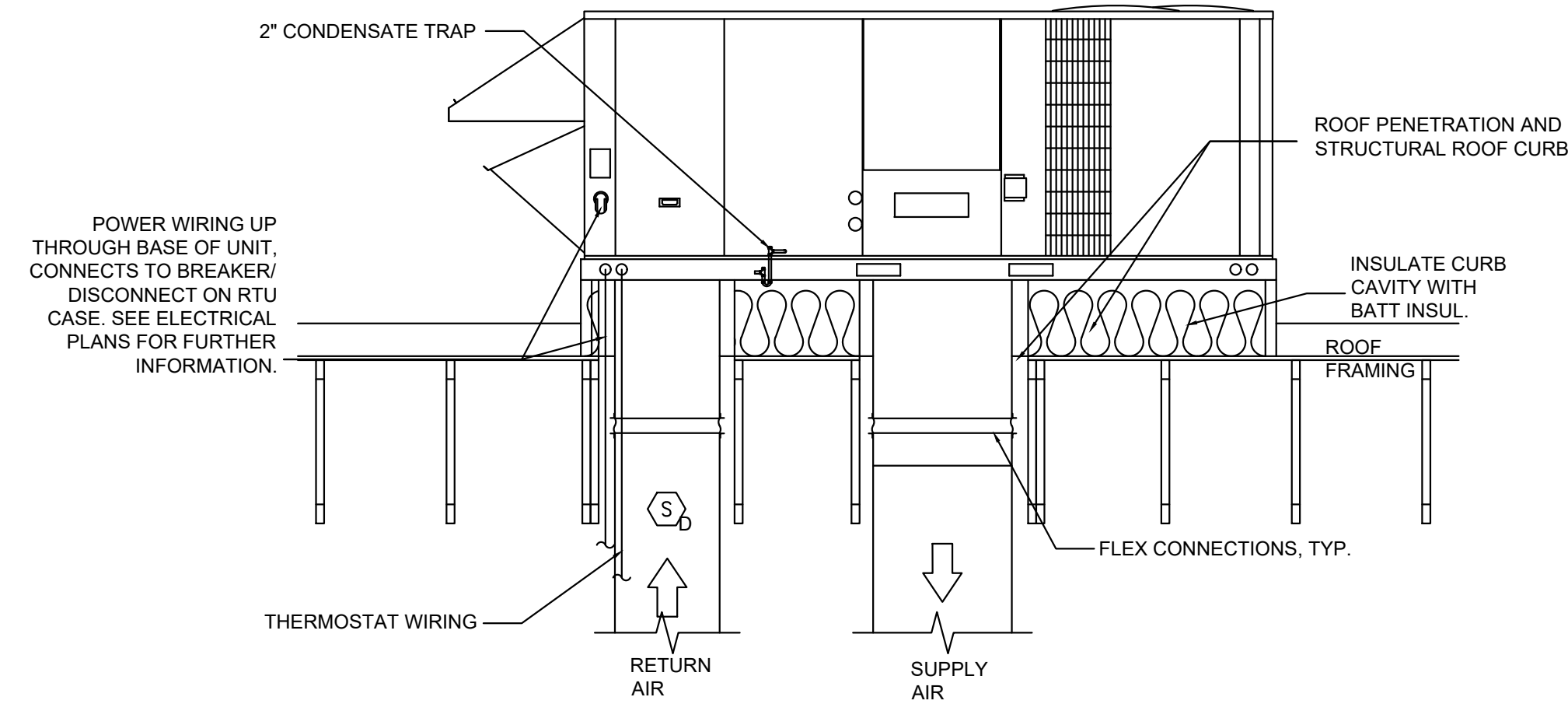
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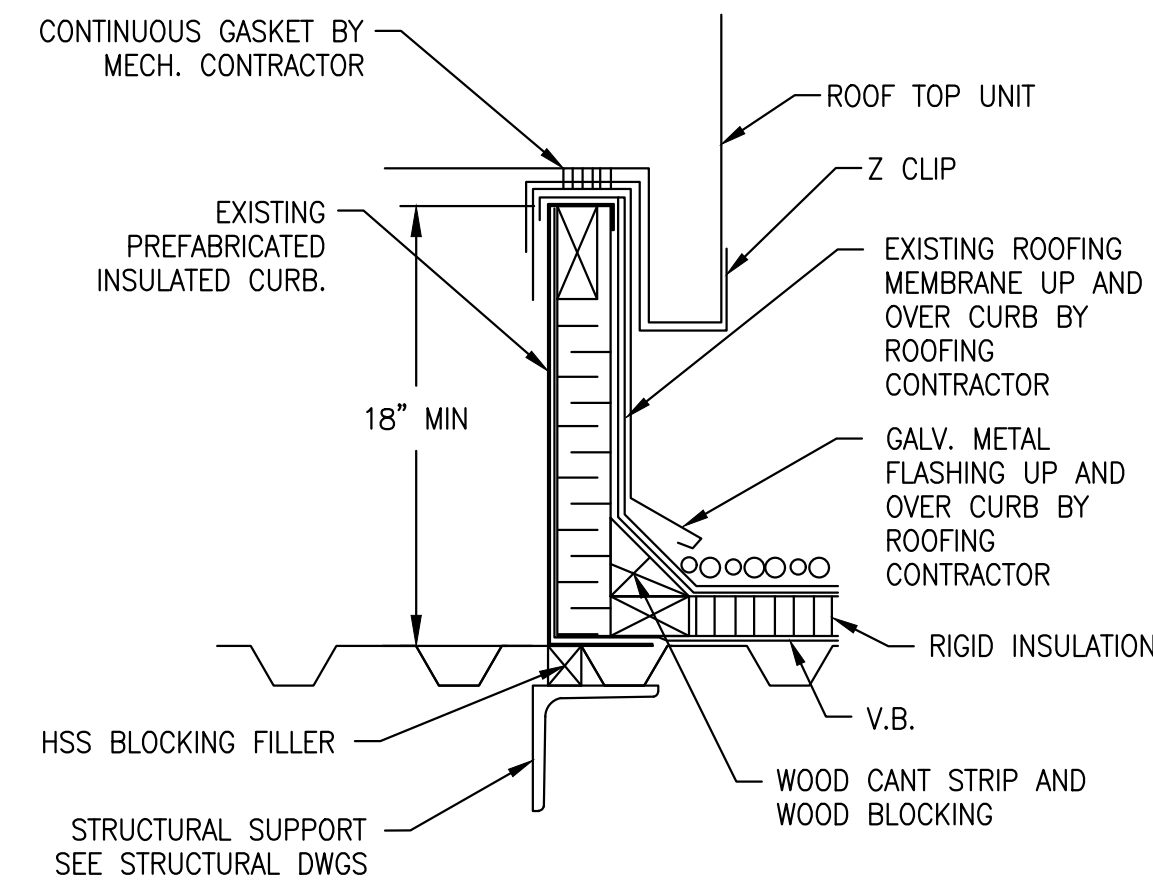
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ISSUE DATES	
TYPE	DATE
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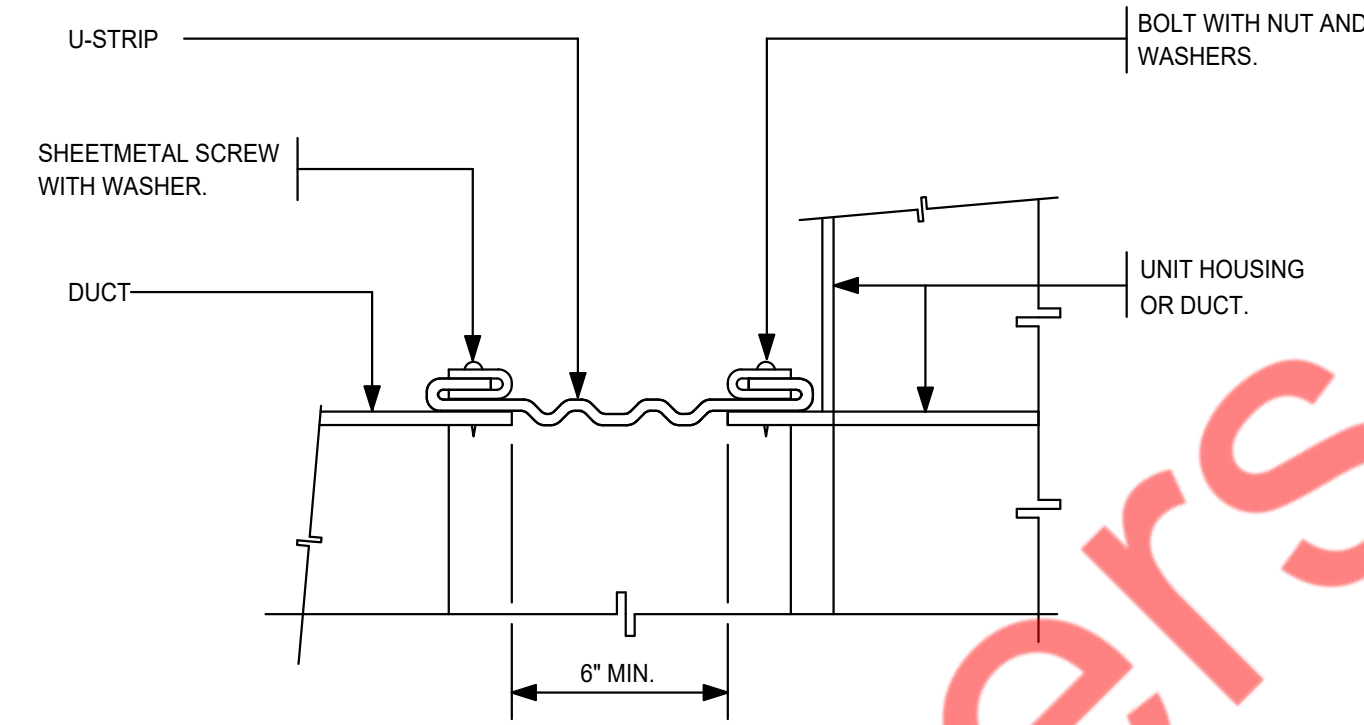
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PROJECT NUMBER	11373-24
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SHEET TITLE	MECHANICAL ROOF PLAN
SHEET NUMBER	M-2.0



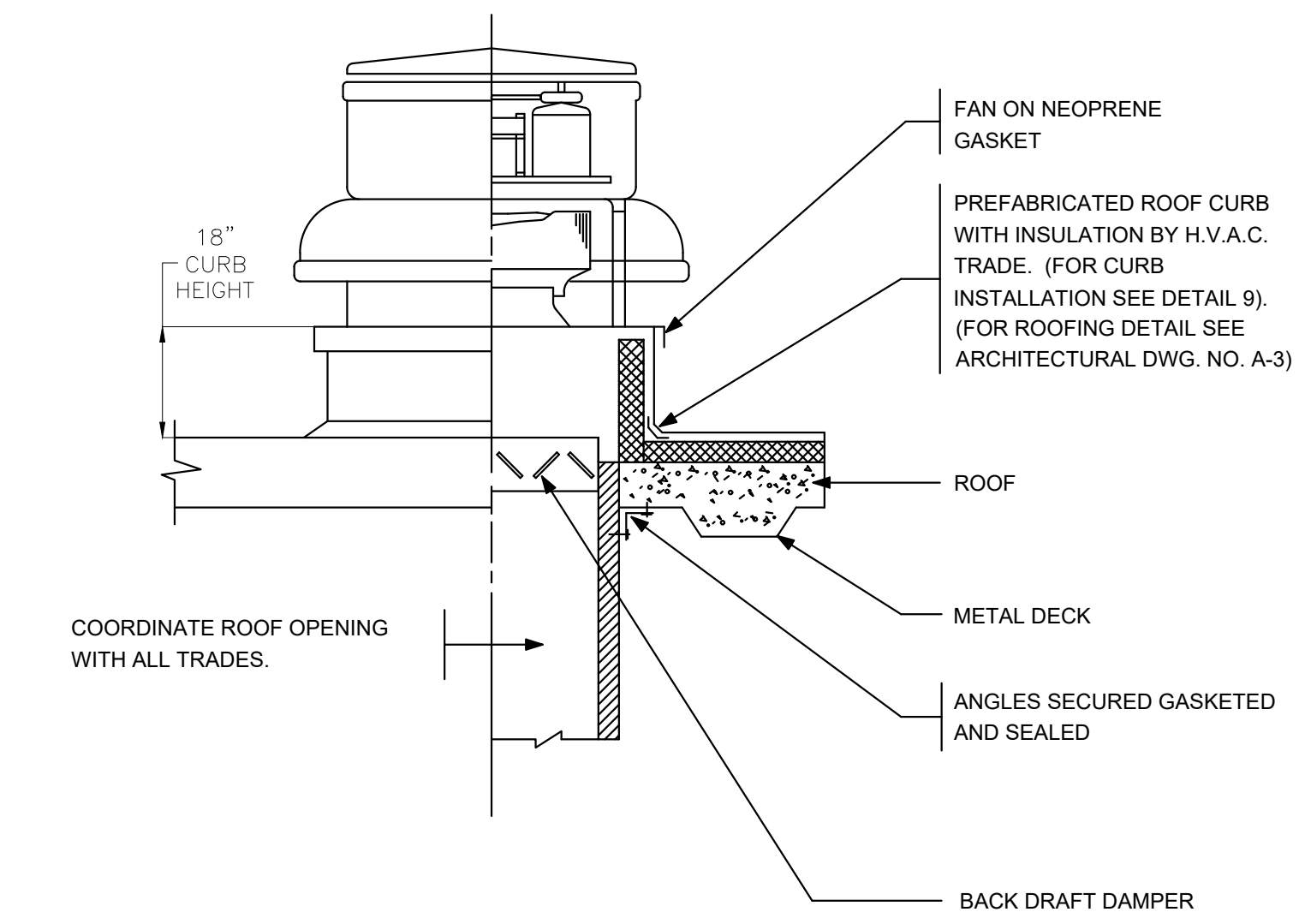
1 ROOF TOP UNIT DETAIL
M-3.1 N.T.S



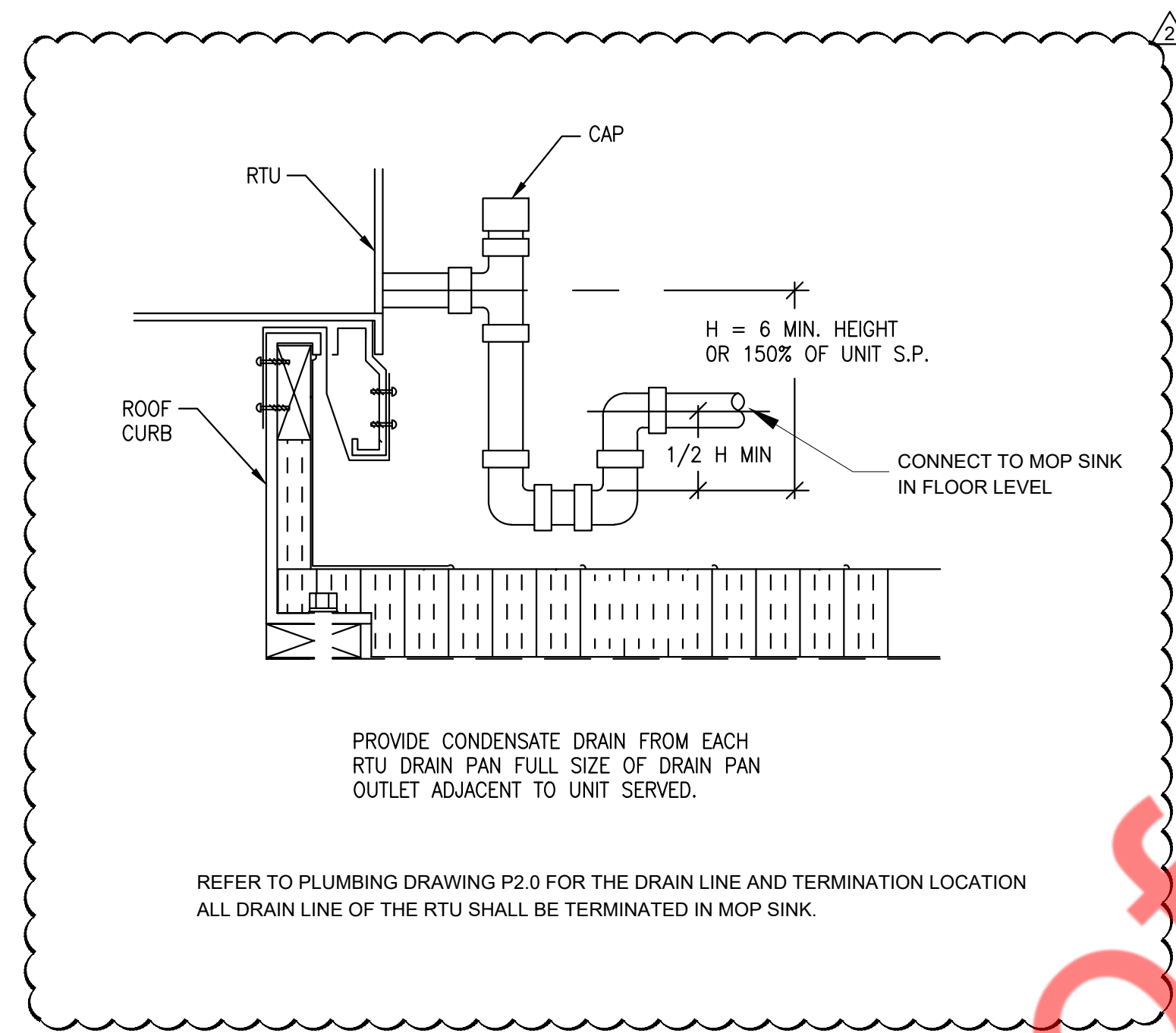
2 ROOF TOP UNIT CURB DETAIL
M-3.1 N.T.S



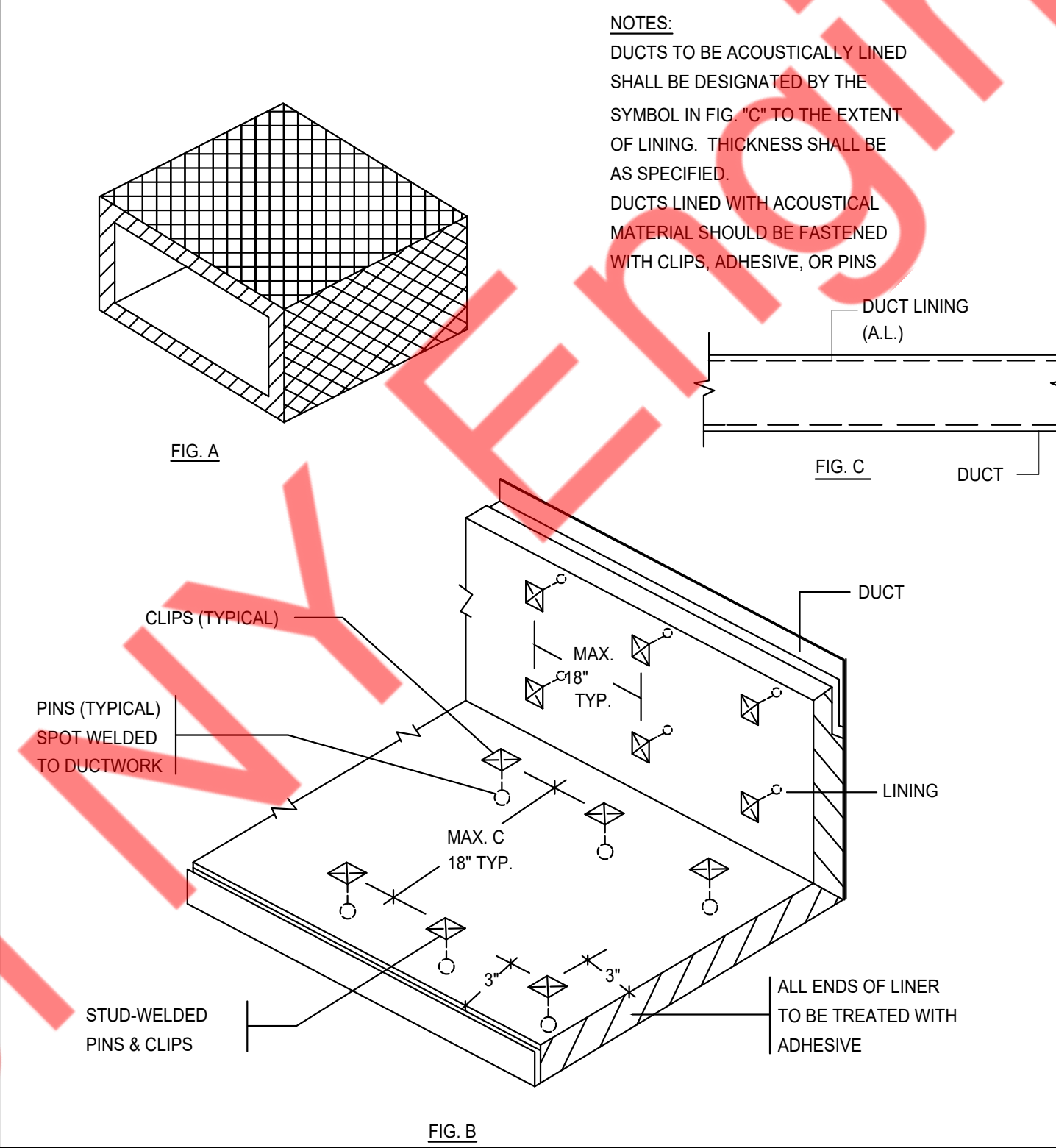
3 FLEXIBLE CONNECTION (DUCT-EQUIPMENT)
M-3.1 N.T.S



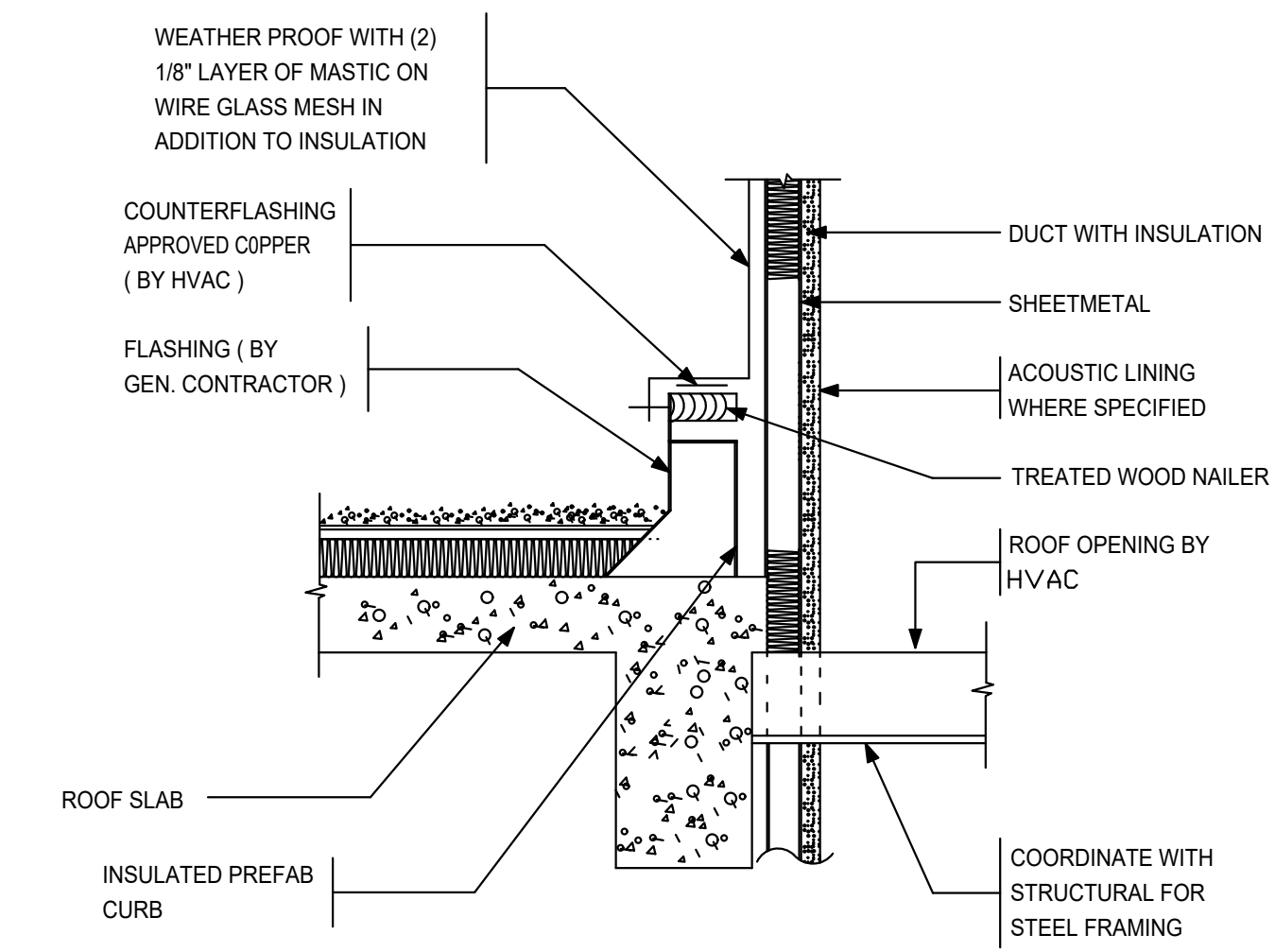
4 ROOF MOUNTED FAN DETAIL
M-3.1 N.T.S



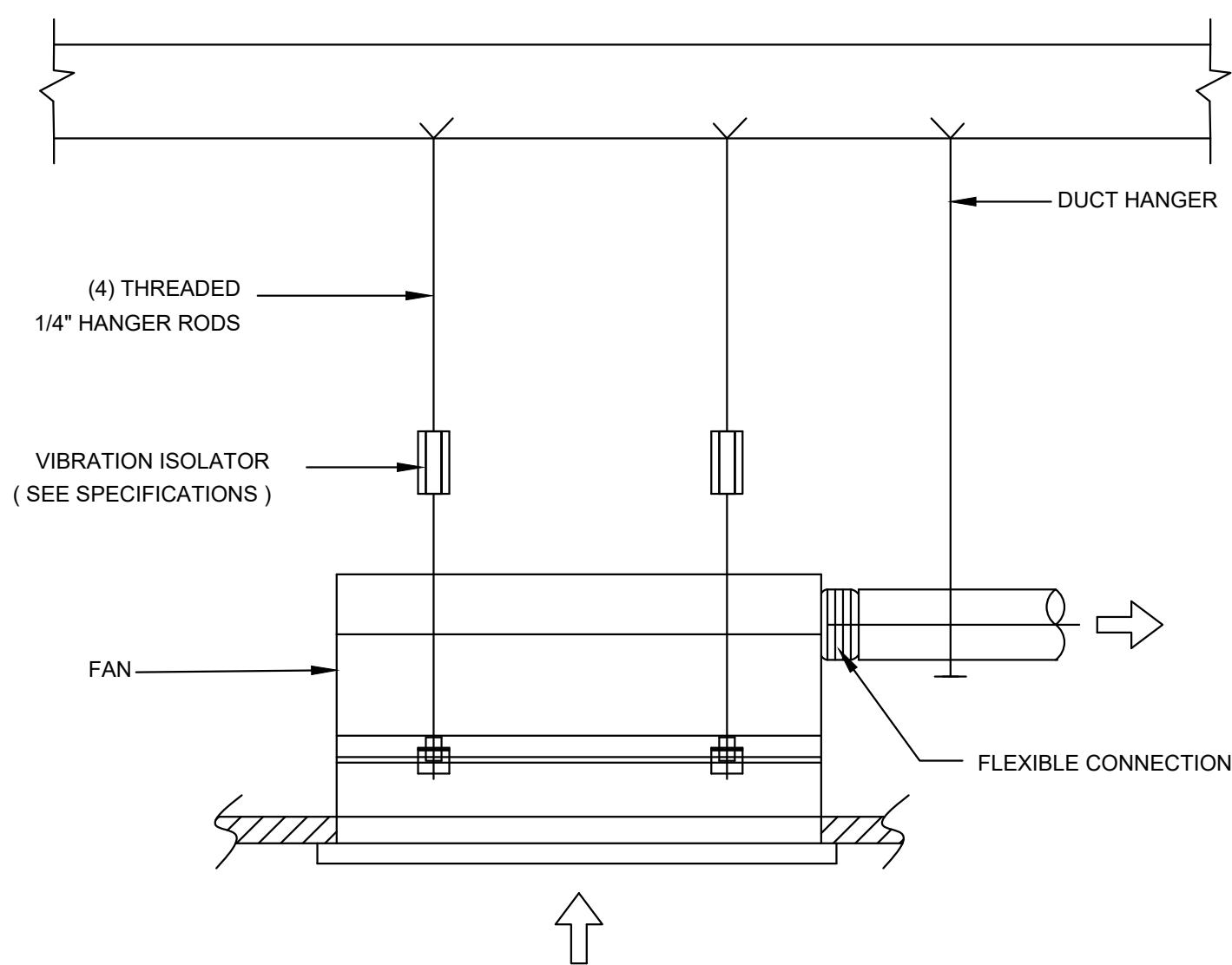
5 P-TRAP DETAIL
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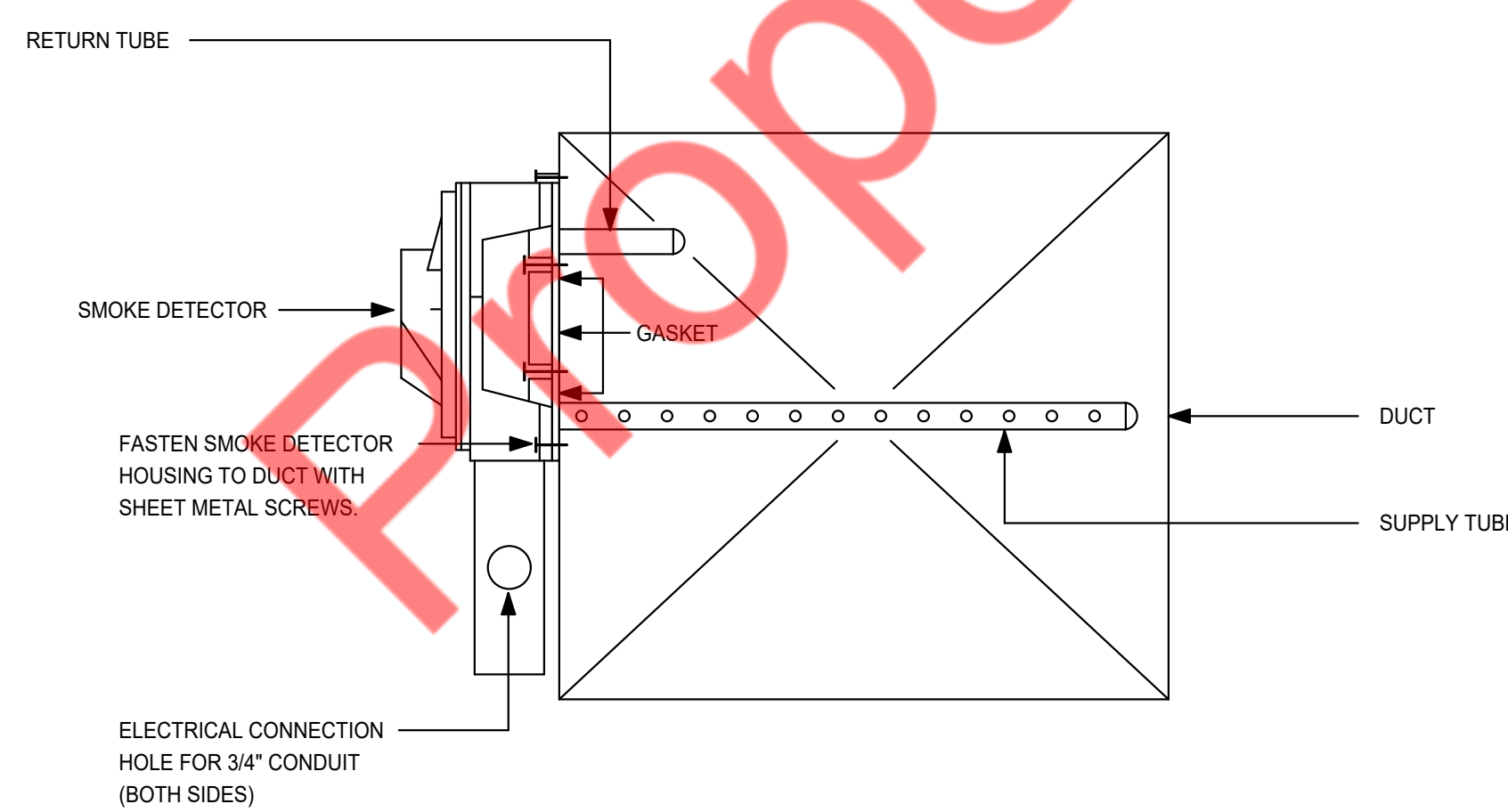
6 ACOUSTICAL TREATMENT DUCT LINING
M-3.1 N.T.S



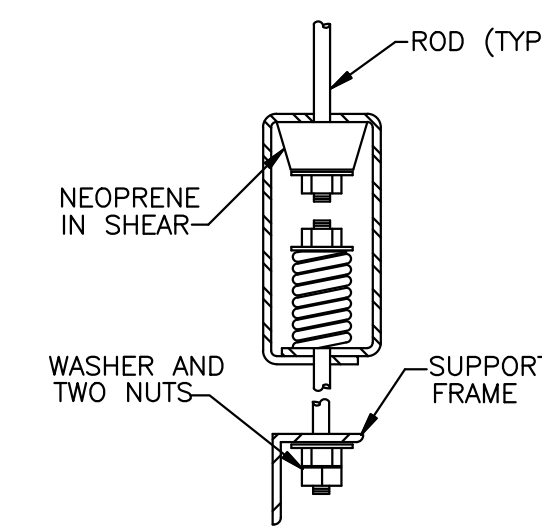
7 DUCT PENETRATION THRU CONCRETE ROOF
M-3.1 N.T.S



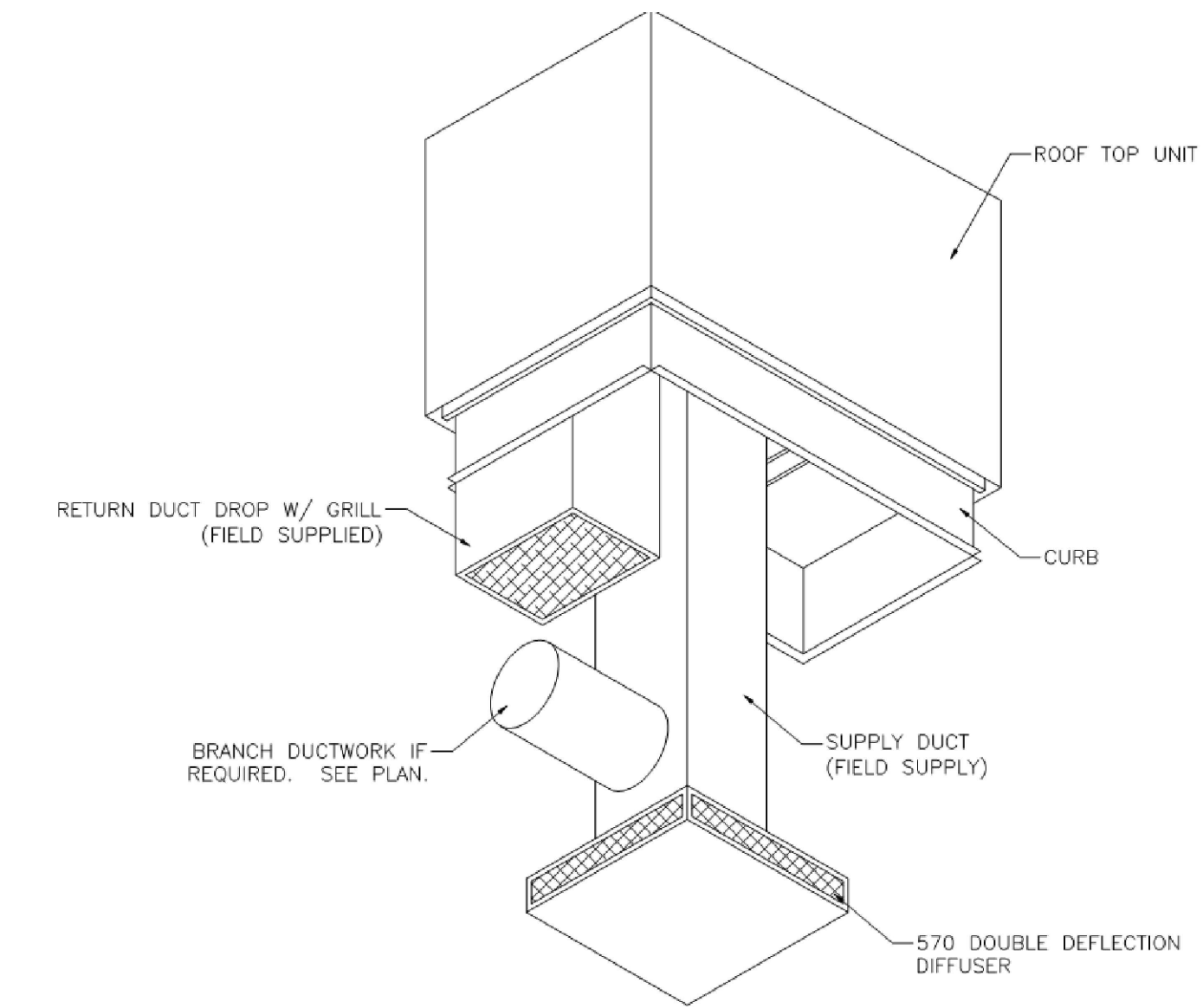
8 CEILING FAN DETAIL
M-3.1 N.T.S



9 SMOKE DETECTOR MOUNTING DETAIL
M-3.1 N.T.S



10 VIBRATION ISOLATOR
M-3.1 N.T.S



11 SUPPLY DRUM LOUVER CONNECTION DETAIL
M-3.1 N.T.S

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ISSUE DATES

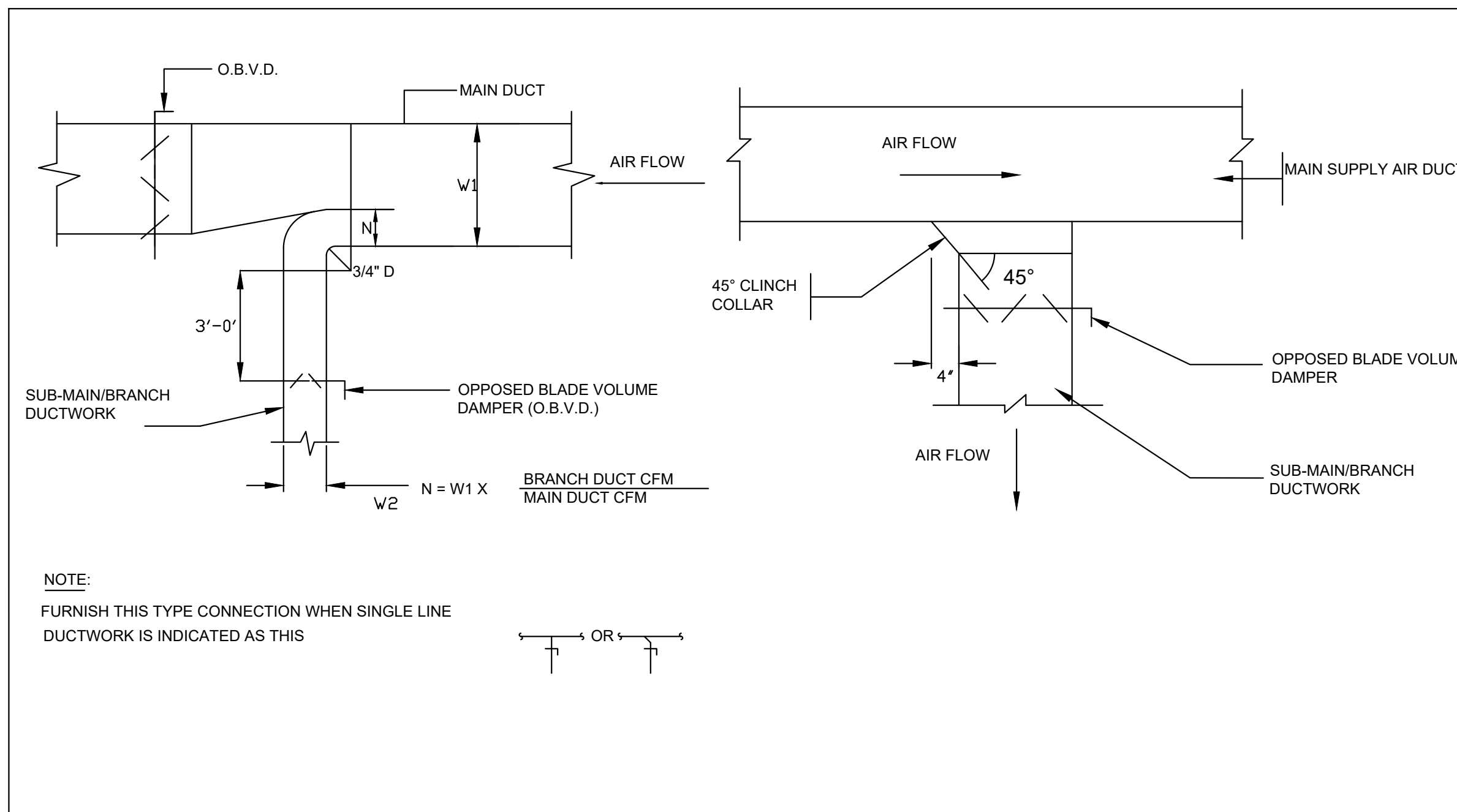
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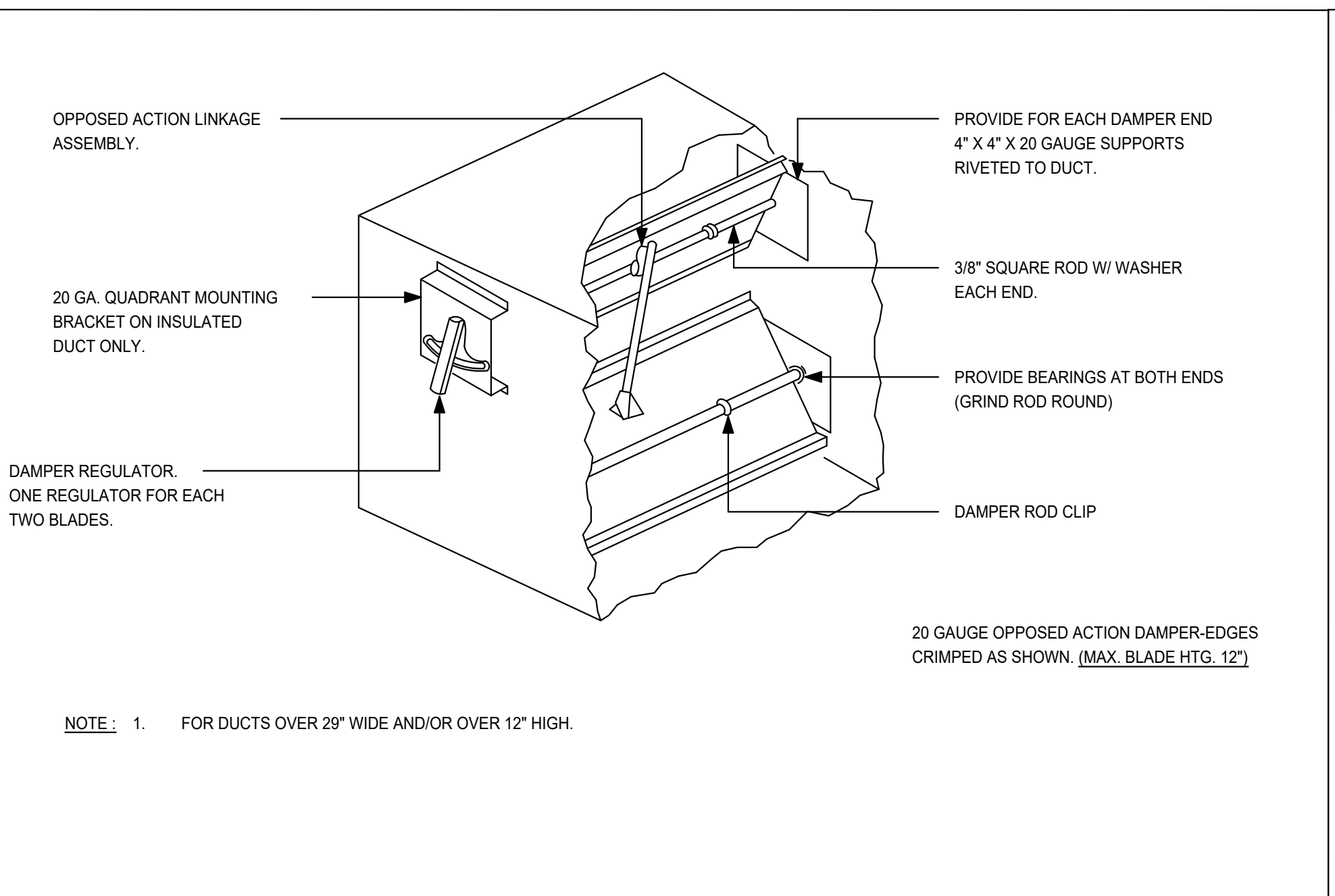
PROJECT NUMBER: 11373-24
DATE: 03/21/2025

SHEET TITLE: MECHANICAL DETAILS (01 OF 02)

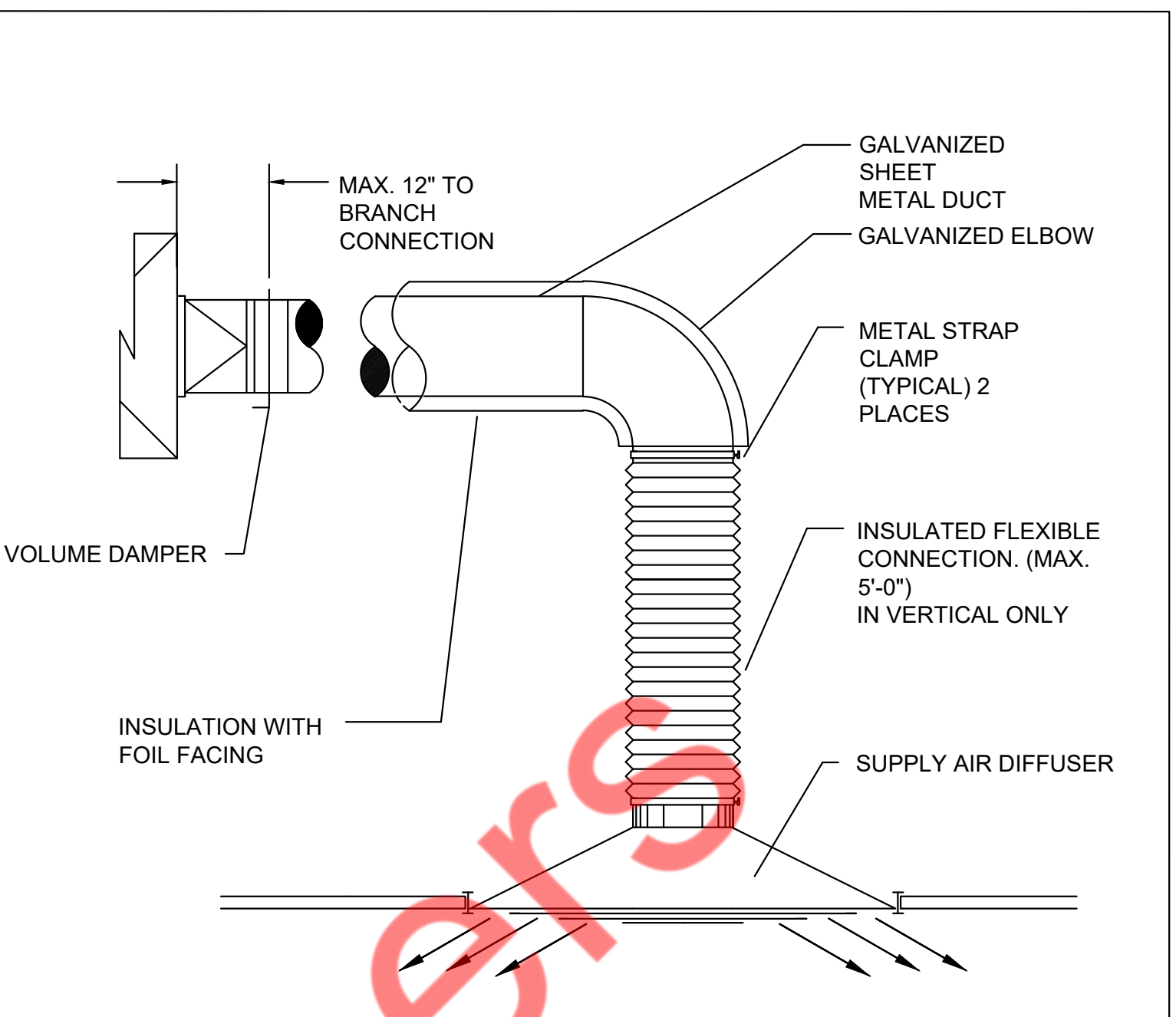
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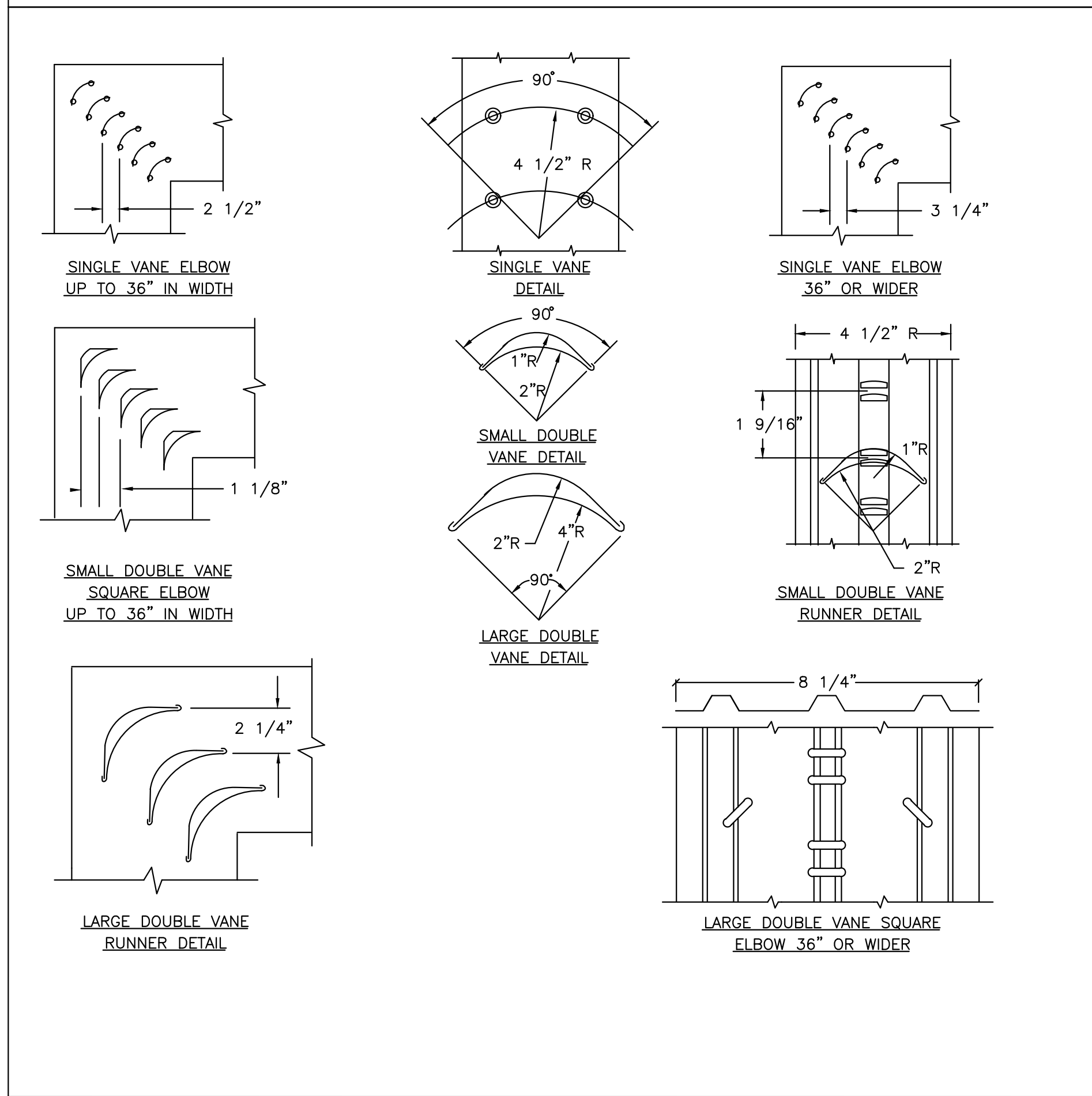
1 SUPPLY AIR DUCTWORK SUB-MAIN BRANCH DUCT CONNECTION
M-3.2 N.T.S



2 LOW PRESSURE BALANCING DAMPER
M-3.2 N.T.S



3 DIFFUSER DETAIL
M-3.2 N.T.S

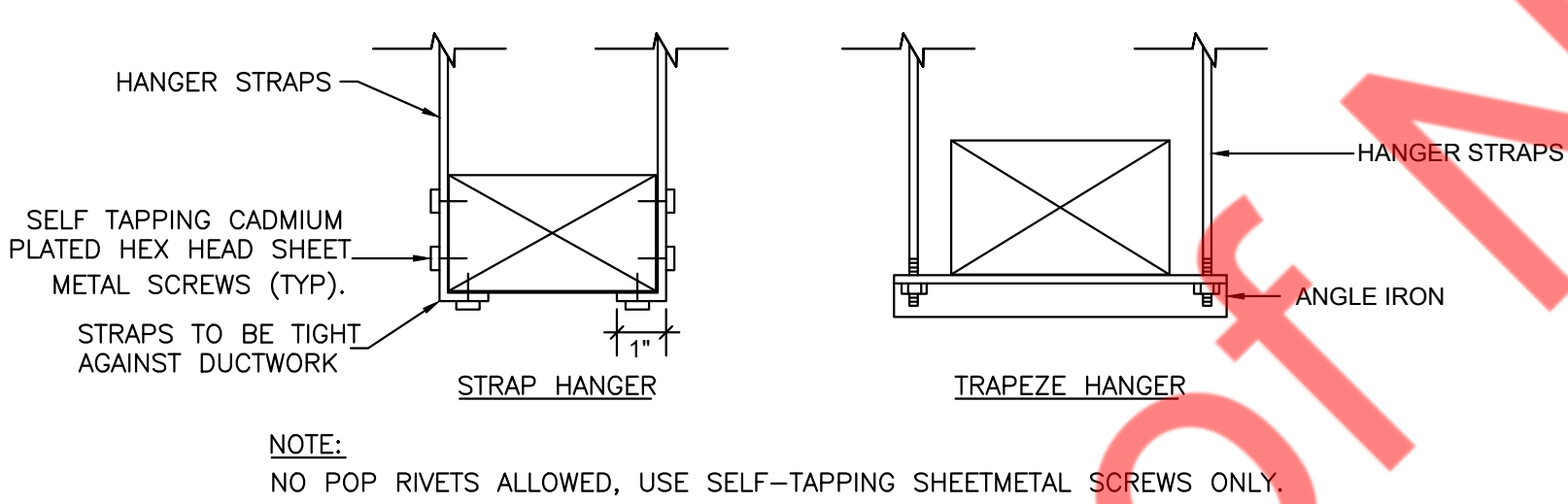


4 LOW VELOCITY DUCTWORK ELBOWS
M-3.2 N.T.S

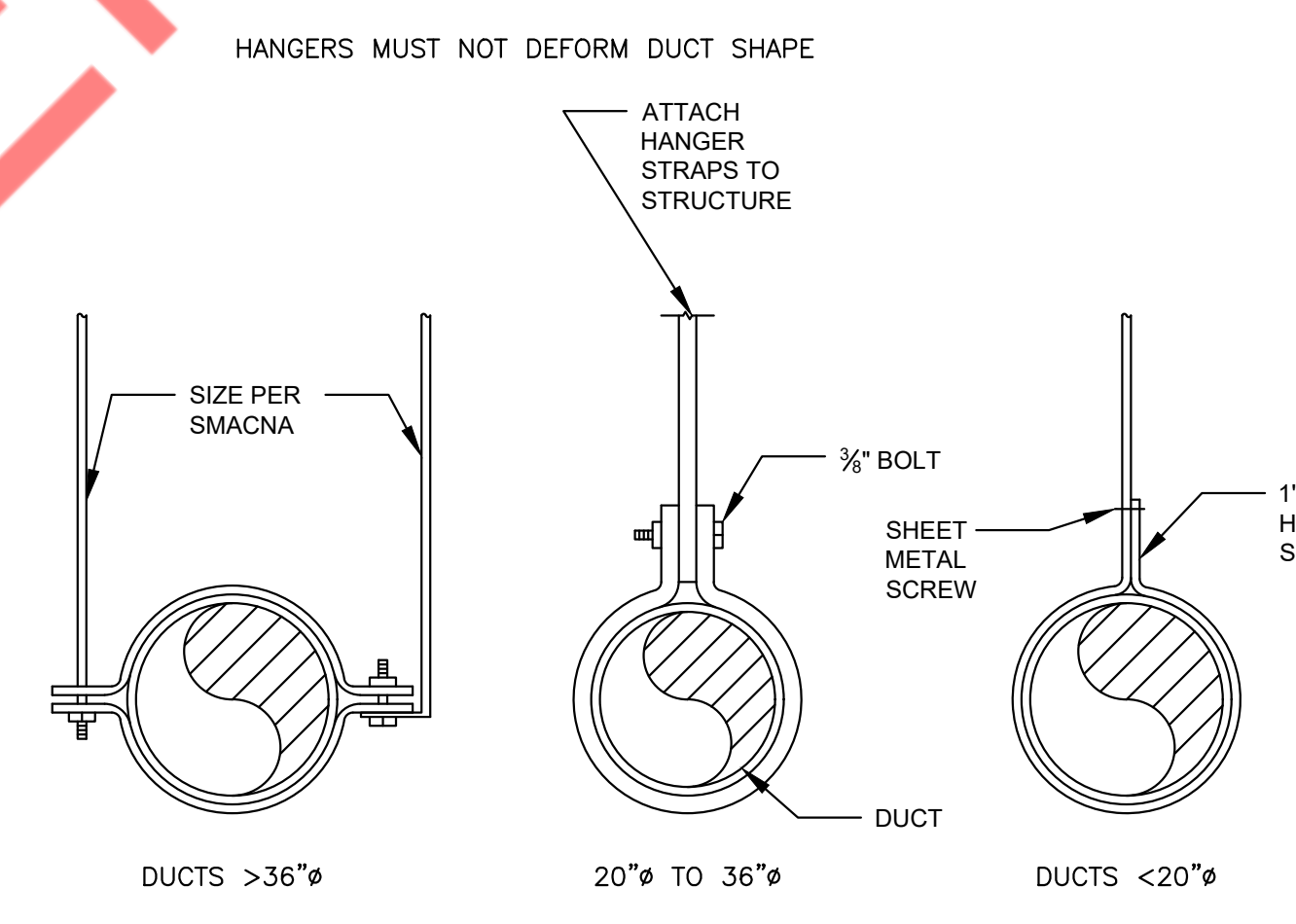
HANGER SIZES*

MAX. SIDE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
30"	1"x1/8" GAUGE STRAP	NONE REQUIRED	10'-0"
36"	1/4" ROD	1-1/2"x1-1/2"x1/8"	8'-0"
48"	1/4" ROD	2"x2"x1/8"	8'-0"
60"	5/16" ROD	2"x2"x1/8"	8'-0"
84"	3/8" ROD	2"x2"x1/8"	8'-0"

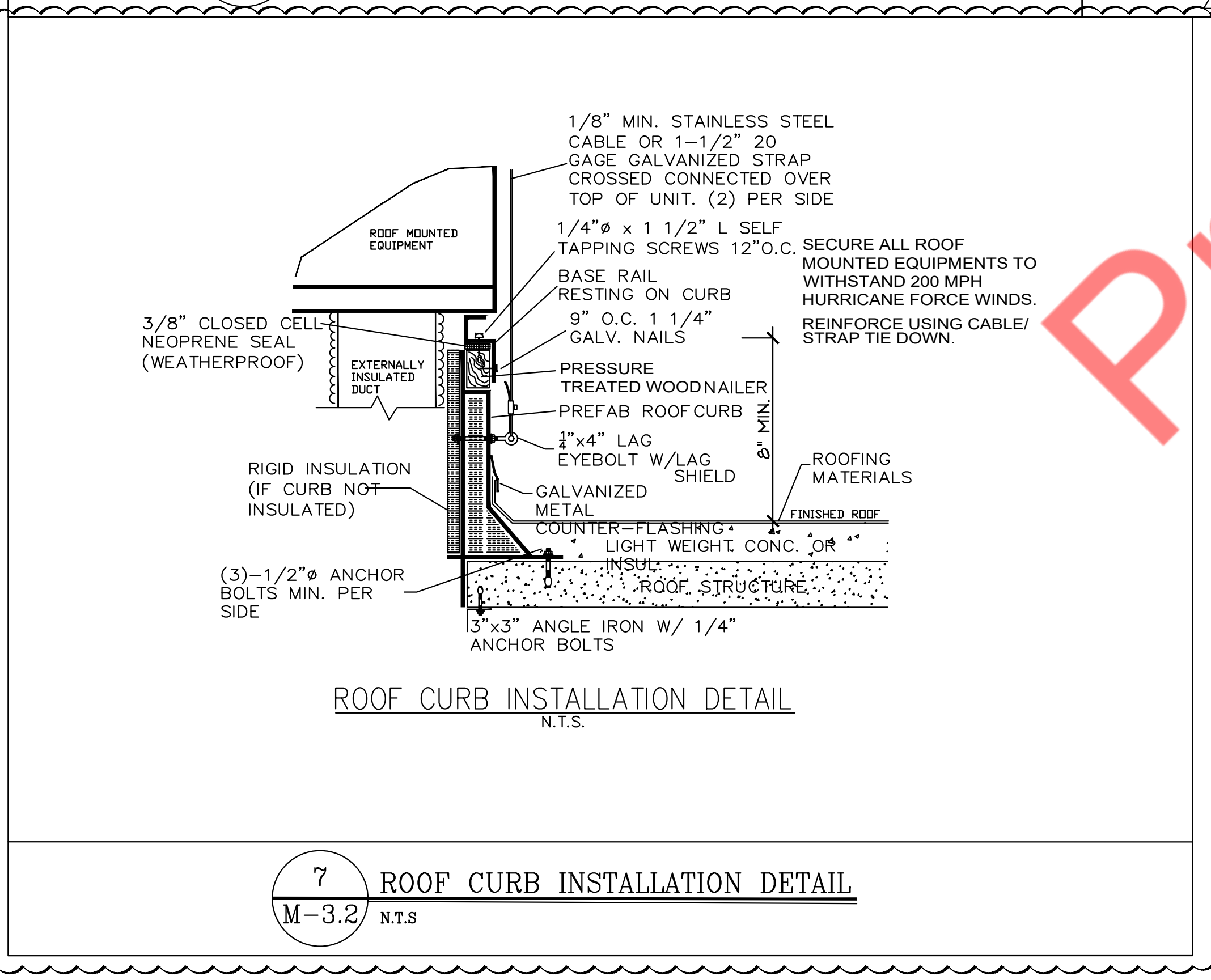
* FOR RECTANGULAR DUCTS



5 DUCT HANGING DETAILS
M-3.2 N.T.S



6 ROUND DUCT SUPPORT DETAIL
M-3.2 N.T.S



7 ROOF CURB INSTALLATION DETAIL
M-3.2 N.T.S

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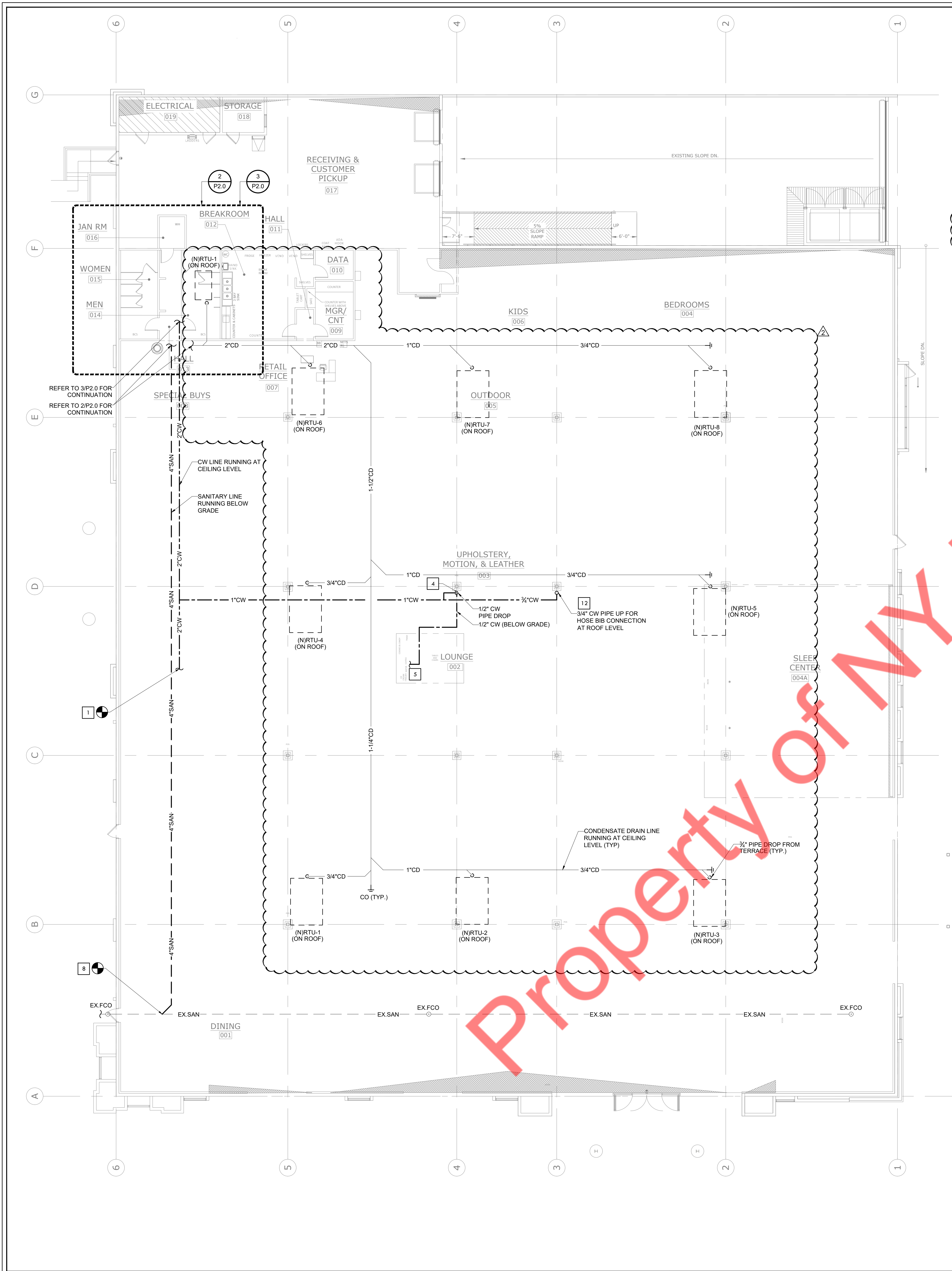
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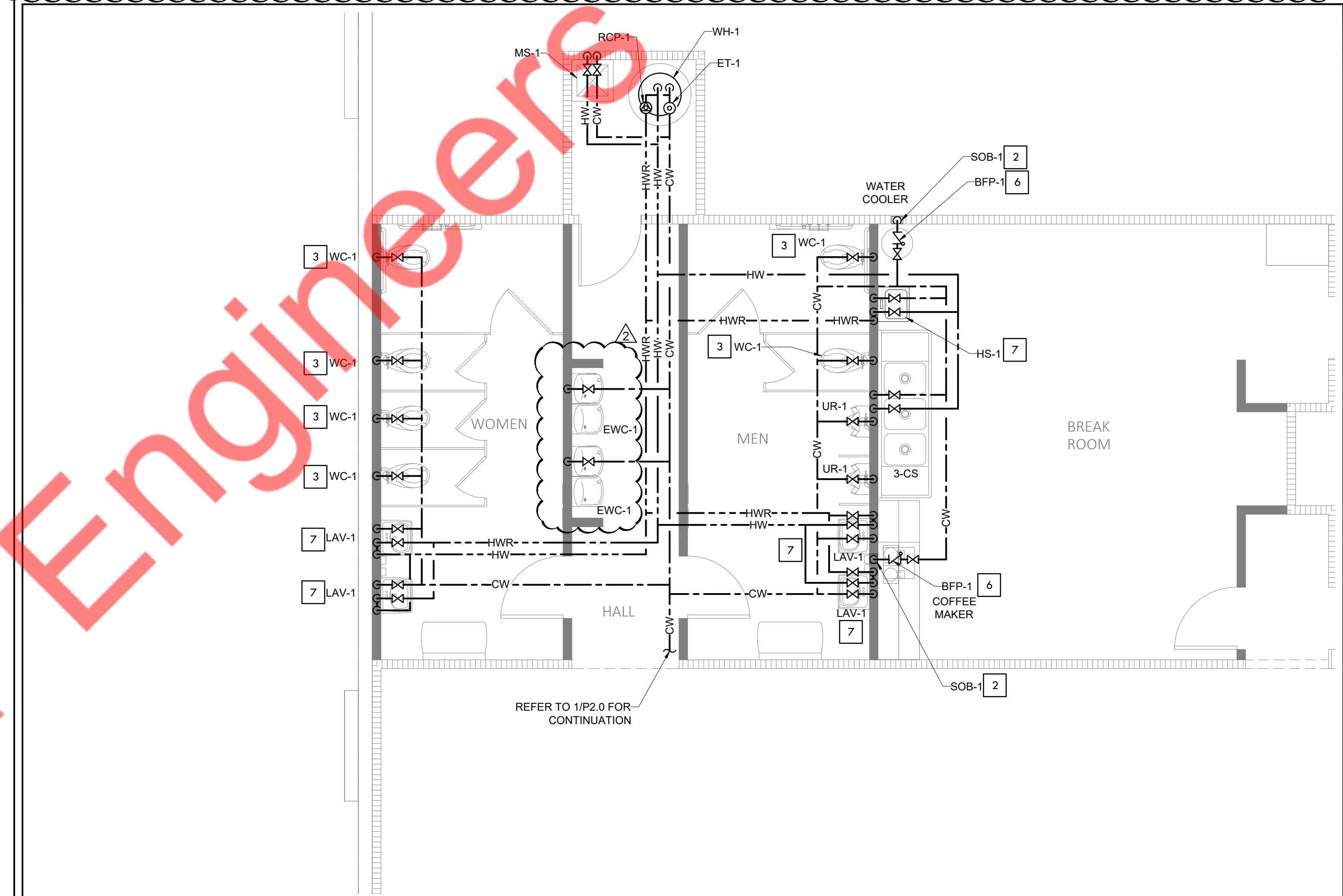
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SHEET TITLE: MECHANICAL DETAILS (02 OF 02)
SHEET NUMBER: M-3.2

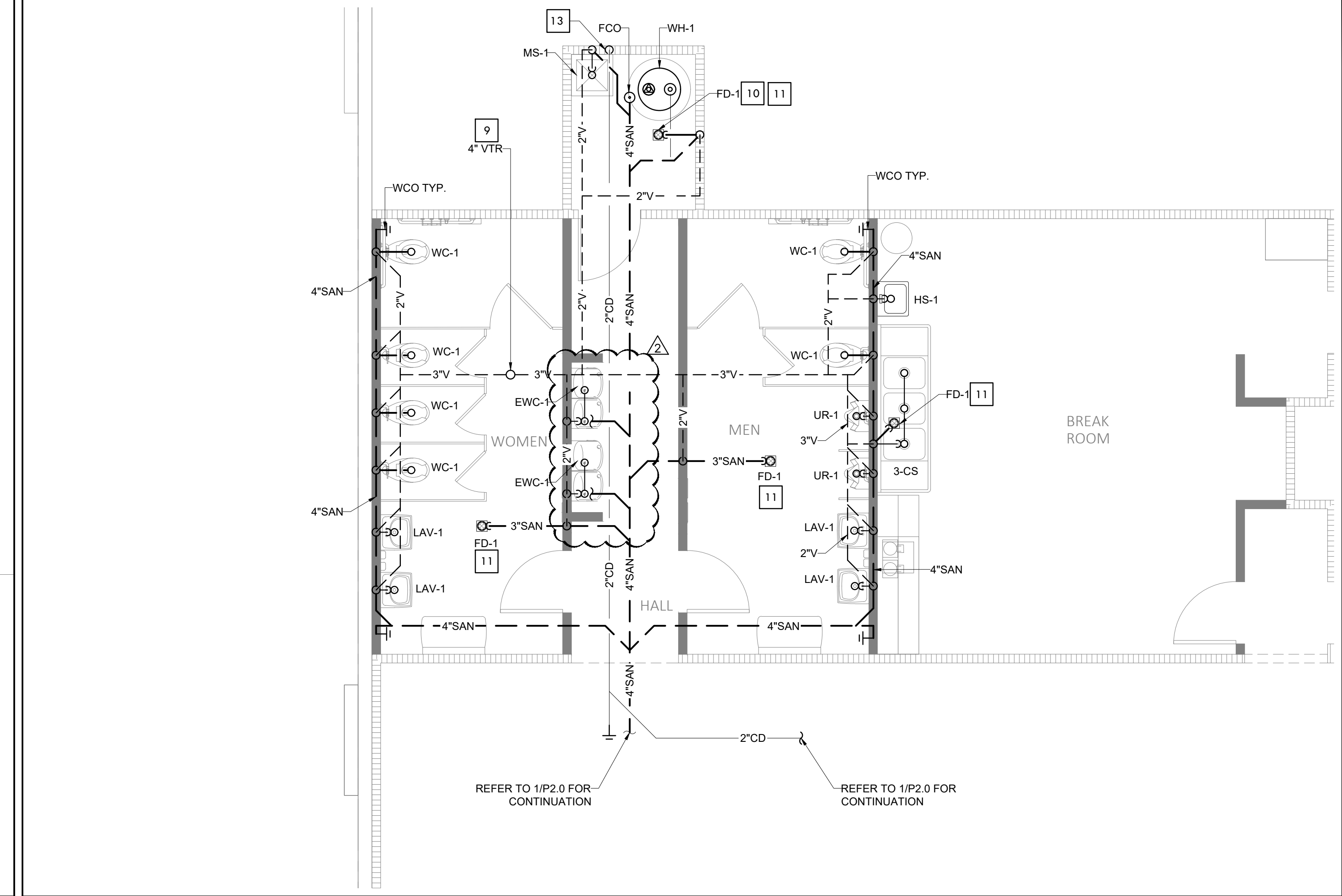


1 SCALE 3/32" = 1' - 0" PLUMBING FLOOR PLAN

- KEYED NOTES**
- CONNECT NEW 2" COLD WATER LINE TO EXISTING 2" COLD WATER LINE IN THE SPACE. CONTRACTOR TO FIELD VERIFY EXISTING WATER LINE LOCATION & SIZE. CONTRACTOR TO COORDINATE WITH LANDLORD FOR THE EXISTING WATER METER, BACK FLOW PREVENTER LOCATION & SIZE. PROVIDE NEW IF NOT EXISTING, AS PER AHJ REQUIREMENT. BASE BID ACCORDINGLY.
 - 1/2" CW DOWN IN WALL TO SOB-1 WITH BACKFLOW PREVENTER. COORDINATE FINAL LOCATION AND MOUNTING HEIGHT WITH GENERAL CONTRACTOR PRIOR TO START OF WORK.
 - PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL WATER HAMMER ARRESTOR (WHA-1) ON WC-1 COLD WATER BRANCH PIPING. INSTALL PER MANUFACTURER'S REQUIREMENTS.
 - PLUMBING CONTRACTOR SHALL ROUTE 1/2" CW DOWN TIGHT TO COLUMN TO BELOW SLAB. SAW CUT AS REQUIRED TO FACILITATE INSTALLATION OF BELOW SLAB COLD WATER PIPING. PATCH FLOOR TO MATCH EXISTING. COORDINATE ALL PATCHING AND CUTTING WITH GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO UTILIZE TRENCH FOR ELECTRICAL CONDUIT.
 - ROUTE COLD WATER PIPING UP FROM BELOW SLAB. PROVIDE STUB BELOW BEVERAGE COUNTER WITH SHUT-OFF VALVE. ROUTE FLEXIBLE TUBING (NSF61 RATED) FROM STUB TO WATER COOLER PROVIDED BY OTHERS. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR/OWNER'S REPRESENTATIVE AS REQUIRED.
 - PROVIDE ASSE-1022 APPROVED BFP-1 (WATTS MODEL SD-3 OR EQUIVALENT), PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL BFP-1 IN AN ACCESSIBLE LOCATION.
 - PROVIDE APPROVED ASSE 1070 THERMOSTATIC MIXING VALVE SET TO 105°F AT ALL LAVATORY & HAND SINK.
 - EXTEND AND CONNECT NEW 4" SANITARY PIPING TO THE EXISTING SANITARY LINE IN THE SPACE. CONTRACTOR SHALL VERIFY THE EXISTING PIPE SIZE, LOCATION, INVERT, DIRECTION OF FLOW & TIE-IN CONNECTION PRIOR TO BID. CONTRACTOR TO COORDINATE WITH THE LANDLORD / BASE BUILDING ENGINEER PRIOR TO THE NEW CONNECTION TO THE EXISTING BASE BUILDING SYSTEM.
 - PLUMBING CONTRACTOR SHALL EXTEND NEW 4" V UP THROUGH ROOF WITH WATERPROOF SEAL. COORDINATE PENETRATION WITH GENERAL CONTRACTOR PRIOR TO START OF WORK. OFFSET AS REQUIRED TO MAINTAIN 10'-0" CLEARANCE FROM ALL FRESH AIR INTAKES.
 - ROUTE T AND P INDIRECT WASTE FROM WATER HEATER (WH-1) TO ADJACENT FLOOR DRAIN (FD-1) WITH APPROVED AIR GAP.
 - PROVIDE THE TRAP PRIMER FOR ALL THE FLOOR DRAINS.
 - 3/4" CW PIPE UP AT TERRACE LEVEL & CONNECT TO THE HOSE BIBB. PROVIDE FROST-PROOF HOSE BIBBS WITH VACUUM BREAKER AT THE ROOF LEVEL FOR ROOFTOP UNIT CLEANING. PIPE PENETRATIONS AT THE ROOF ARE PROPERLY FLASHED AND WATERPROOFED. PROVIDE HEAT TRACE / PIPE INSULATION ON THE CW LINE RUNNING OUTSIDE THE BUILDING TO PREVENT FREEZING CONDITIONS AS PER LOCAL CODE.
 - ROUTE 2" CONDENSATE DRAIN LINE TO MOP SINK WITH AN APPROVED AIR GAP.



3 SCALE 1/4" = 1' - 0" ENLARGED PLUMBING WATER SUPPLY PLAN



2 SCALE 1/4" = 1' - 0" ENLARGED PLUMBING SANITARY PLAN

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 PROJECT NUMBER: 11373-24
 DATE: 03/21/2025
 SHEET TITLE: PLUMBING FLOOR PLANS
 SHEET NUMBER: P2.0

PLUMBING FIXTURE SCHEDULE														
SYMBOL	FIXTURE / ITEMS	DESCRIPTION	MANUFACTURER MODEL NO.	FIXTURE CONNECTION (INCHES)					MOUNTING	FAUCET	VOLT / PHASE	ACCESSORIES	ADA COMPLIANT	ADDITIONAL NOTES
				CW	HW	SAN	VENT	GAS						
3-CS	THREE COMPARTMENT SINK	16 GAUGE TYPE 304 STAINLESS STEEL W/ LEFT & RIGHT DRAIN BOARD	ELKAY RNSF839LR	3/4"	3/4"	1-1/2"	--	--	FLOOR	T&S BRASS B-0251-CC	--	1-1/2" TAILPIECE, H & CW LOOSE KEY CONTROL VALVES, WALL CARRIER	ADA COMPLIANT	--
HS-1	HAND SINK	SEAMLESS WELDED CONSTRUCTION, 18 GAUGE TYPE 304 STAINLESS STEEL W/ INTEGRAL APRON WALL MOUNT HAND SINK	JUST MFG A-33338	1/2"	1/2"	1-1/2"	1-1/2"	--	WALL	T&S BRASS B-0892-VF05	--	1-1/2" 17 GA. CP BRASS "P" TRAP W/IC O., H & CW LOOSE KEY CONTROL VALVES, WALL CARRIER	ADA COMPLIANT	INCLUDE TRUE BRO MODEL #102 E-2 ADA TRAP & VALVE SHIELDS.
MS-1	MOP SINK	24" x 24" x 10" STRUCTURAL FIBERGLASS	MUSTEE MODEL 63M	1/2"	1/2"	3"	2"	--	FLOOR	FIAT 830-AA	--	MOP HANGER: 889-CC HOSE AND WALL HOOK: 832AA BUMPER GUARD: 123888 SILICONE SEALANT: 833AA BUMPER GUARD: E-885AA WALL CARRIER: SS MS6	--	--
WC-1	WATER CLOSET	FLOOR MOUNTED W/ FLUSH VALVE, 1.6 GPF, DIRECT-FED SIPHON JET ACTION, 1-1/2" INLET SPUD	AMERICAN STANDARD "MADERA" 3043.001	1-1/4"	--	4"	2"	--	FLOOR	SLOAN OPTIMA PLUS FLUSHMETER MODEL 8111 LOW CONSUMPTION 1.6 GPF	BATTERY	SEAT TO BE SOLID WHITE PLASTIC W/OPEN FRONT W/OUT COVER, CHROME PLATED SUPPLY WITH STOP, BOLT CAPS.	ADA COMPLIANT	--
LAV-1	LAVATORY	VITREOUS CHINA, FRONT OVERFLOW, 4" CENTERS, ADA COMPLIANT, 21-1/4" x 18-1/8"	KOHLER K-2005	1/2"	1/2"	1-1/2"	1-1/2"	--	WALL	T&S BRASS B-0892-CR-LF05 (0.5 GPM)	--	1-1/2" 17 GA. CP BRASS "P" TRAP W/IC O., H & CW LOOSE KEY CONTROL VALVES, WALL CARRIER	ADA COMPLIANT	INCLUDE TRUE BRO MODEL #102 E-2 ADA TRAP & VALVE SHIELDS.
EW-1	ELECTRIC WATER COOLER	WALL MOUNTED, STANDARD COLOR, TWO STATION UNIT (NORMAL HEIGHT/ADA HEIGHT)	OASIS P8ACSL	1/2"	--	1-1/2"	1-1/2"	--	WALL	--	1/4 HP 115/10	WALL CARRIER	ADA COMPLIANT	WATER COOLER MUST BE CONNECTED TO THE WATER SUPPLY USING A DIELECTRIC COUPLING, DRAN TRAP TO BE PLASTIC
FCO	FLOOR CLEANOUT	ROUND CLEANOUT, NICKEL BRONZE ADJUSTABLE TOP, PLASTIC PLUG	J.R. SMITH 4020	--	--	--	--	--	FLOOR	--	--	--	--	SIZE AS NOTED ON PLAN
FD-1	FLOOR DRAIN	6" DIAMETER MICKEL BRONZE TOP FLOOR DRAIN	J.R. SMITH 2005	--	--	3"	2"	--	FLOOR	--	--	TRAP PRIMER CONNECTION	--	--
FS-1	FLOOR SINK	10" TOP, ACID RESISTANT COATED FLOOR SINK	J.R. SMITH 3100	--	--	3"	2"	--	FLOOR	--	--	--	--	--
MV-1	MIXING VALVE	LEAD FREE HOT WATER TEMPERATURE CONTROL VALVE	WATTS LFMMV	1/2"	1/2"	--	--	--	ABOVE CEILING	--	--	--	--	SET MIXING VALVE TO 105°F
SOB-1	SUPPLY OUTLET BOX	SUPPLY OUTLET BOX	OATEY 39140	1/2"	--	--	--	--	WALL	--	--	INSTALL WITH SHUT-OFF AND BACKFLOW PREVENTER	--	1/4" COMPRESSION FITTING FOR COFFEE MAKER/WATER COOLER/REFRIGERATOR CONNECTION
TP	TRAP PRIMER	AUTOMATIC TRAP PRIMER, ALL BRONZE BODY WITH INTEGRAL VACUUM BREAKER	PRECISION PLUMBING PRODUCTS PR-500	1/2"	--	--	--	--	ABOVE CEILING	--	--	--	--	IN LIEU OF TP-1, PLUMBING CONTRACTOR MAY INSTALL FLOOR DRAINS WITH DEEP SEAL TRAP OR WATERLESS TRAP SEAL WITH OWNER AND AHJ APPROVAL
WHA-1	WATER HAMMER ARRESTOR	IN-LINE ARRESTOR	J.R. SMITH 5005	3/4"	--	--	--	--	--	--	--	--	--	PDI FIXTURE RATING 1-11 INSTALL WITH ACCESS
BFP-1	BACKFLOW PREVENTER	DOUBLE CHECK VALVE WITH ATMOSPHERIC PORT	WATTS SD-3	1/2"	--	--	--	--	INLINE	--	--	--	--	--

NOTE:
1. CONTRACTOR TO CROSS REFERENCE ALL LISTED PLUMBING FIXTURES WITH OWNER PROVIDED DIP (DESIGN INTENT PACKAGE) TO ENSURE ALL PLUMBING RELATED ITEMS ARE COORDINATED PROPERLY.

PUMP SCHEDULE																	
TAG	QUANTITY	SERVICE	LOCATION	PERFORMANCE DATA/PUMP			PUMP CONSTRUCTION DATA		MOTOR DATA/PUMP							REMARKS	
				GPM	TDH (FT)	WATER TEMP. (°F)	PUMP TYPE	IMPELLER MATERIAL	MHP PER PUMP	STARTER TYPE	V/PH/Hz	RPM	F.L.A.	SERVICE FACTOR	WEIGHT (LBS)		MFR MODEL
RCP-1	01	HWR CIRC. SYSTEM	JANITOR ROOM	2	7	110	INLINE	NON-METALLIC	40 WATTS	AQUA STAT	115/1/60	3250	0.38	1.0	6	TACO 006-84	INLINE ON HW RETURN LINE AT WATER HEATER WITH NEMA 1 RATED MOTOR

ELECTRIC TYPE HOT WATER HEATER WITH STORAGE													
TAG No.	TOTAL NO. OF HEATERS	TEMP. SET POINT DEG. F.	RATED STORAGE (GALLONS)	MEASURED STORAGE (GALLONS)	POWER INPUT	ELECTRICAL DATA		RECOVERY CAP. (GPM/GPH) @ RISE	STORAGE WATER TEMP.	TYPE	MANUFACTURER & MODEL NO.	EFFICIENCY	REMARKS
						V/PH/Hz							
WH-1	1	140	37	34	9.0 KW	480V/30/60Hz		42 GPH @ 90°F	140°F	ELECTRIC STORAGE TANK TYPE WATER HEATER (FLOOR MOUNTED)	(BRADFORD WHITE) MODEL: LE240LN3-3	92%	-DIMENSIONS 24.5"D X 32.25"H -FLOOR MOUNTED ELECTRIC WATER HEATER -PROVIDE EXPANSION TANK (ET-1), HOT WATER & RE-CIRCULATION PUMP (RCP-1). -MAINTAIN CLEARANCE AS PER MANUFACTURER RECOMMENDATION -CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

EXPANSION TANK SCHEDULE										
TAG	QUANTITY	LOCATION	SERVICE	TYPE	CONNECTION SIZE	MAX WORKING PRESSURE (PSI)	SHIPPING WEIGHT (LBS)	TANK VOLUME (GAL)	MAKE	REMARKS
ET-1	1	HOT WATER HEATER	HOT WATER	DIAPHRAGM	3/4"	150	17	6.4	AMTROL ST-12C-DD	AMTROL THERMXTROL ASME APPROVED ST-30-DD DIMENSIONS: 18"(H)x12"(DIA.)

FIXTURE UNIT COUNT									
ITEM	DESCRIPTION	QTY.	DFU	TOTAL DFU	CWFU	TOTAL CWFU	HWFU	TOTAL HWFU	TOTAL WSFU
FD	FLOOR DRAIN	3	2	6	-	-	-	-	-
FS	FLOOR SINK	0	0	0	-	-	-	-	-
HS	HAND SINK	1	1	1	0.75	0.75	0.75	0.75	1.0
LAV	LAVATORY	4	1	4	0.75	3.0	0.75	3.0	4.0
MS	MOP SINK	1	3	3	2.3	2.3	2.3	2.3	3.0
3-CS	3 COMP SINK	1	3	3	2.3	2.3	2.3	2.3	3.0
WC	WATER CLOSET	6	4	24	5.0	30	-	-	30
DF	DRINKING FOUNTAIN	2	0.5	1.0	0.5	1.0	-	-	1.0
UR	URINAL	2	2	4	4.0	8.0	-	-	8.0
EW	ELECTRIC WATER COOLER	1	-	-	0.5	0.5	-	-	0.5
	COFFEE MAKER	1	-	-	0.5	0.5	-	-	0.5
	HOSE BIBB	1	-	-	2.5	2.5	-	-	2.5
TOTAL				46.0		50.85			8.35
WSFU 53.50 WSFU = 2" WATER SERVICE					WATER AND SANITARY PIPE SIZING AS PER CALIFORNIA PLUMBING CODE 2022.				
DFU 46.0 DFU = 4" PIPING HORIZONTAL @ 1/8" PER FOOT SLOPE (180 DFU MAX)									

CERTIFICATION:

CONSULTANTS (ENGINEER):
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382 NE 191ST STREET SUITE 49674,
MIAMI, FL 33179
PH-914.257.3455
WWW.NY-ENGINEERS.COM

PROFESSIONAL SEAL:

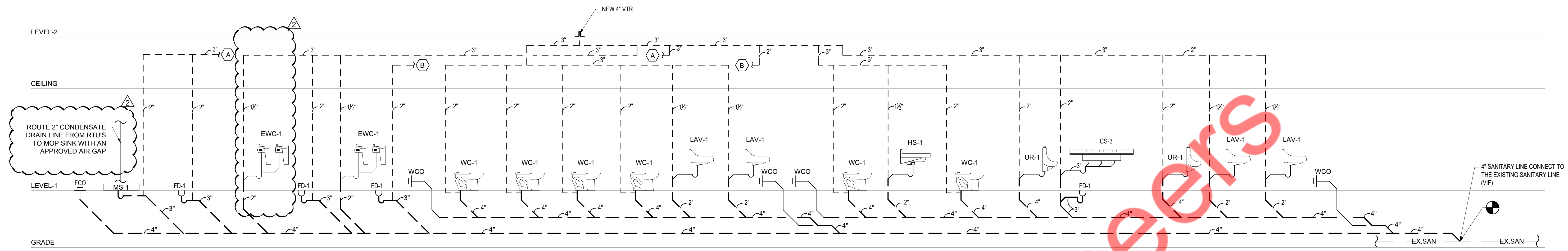
HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF CALIFORNIA.
LICENSE NO. M 33760
EXPIRATION DATE: 06/30/25

BOB'S FURNITURE

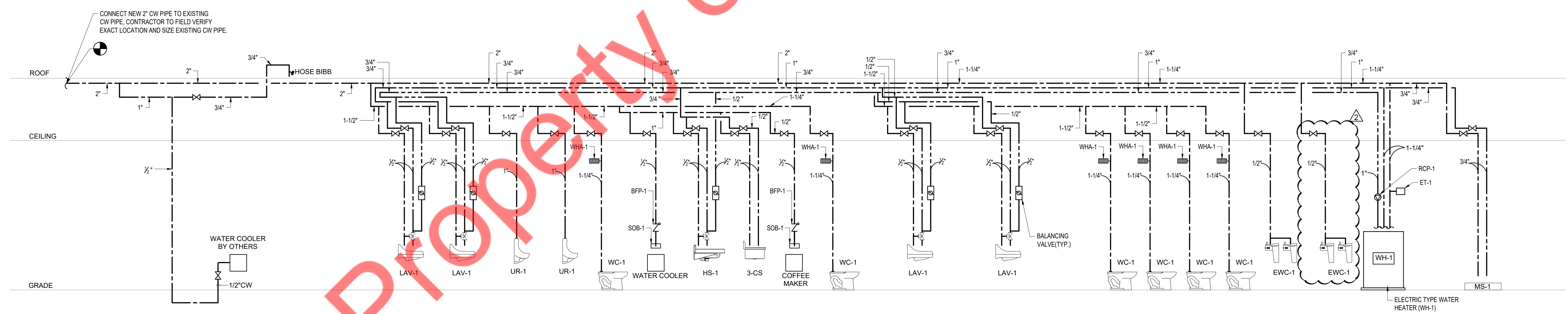
REVISION DATES		
NO.	DATE	DESCRIPTION
1	05/13/25	REVISION 1
2	06/27/25	REVISION 2

ISSUE DATES	
TYPE	DATE
PERMIT SET	03/21/25
REVISION 1	05/13/25

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CHECKED BY: NYE
PROJECT NUMBER: 11373-24
DATE: 03/21/2025
SHEET TITLE: PLUMBING SCHEDULE
SHEET NUMBER: P3.0



1 SCALE 1/8" = 1' - 0" PLUMBING SANITARY RISER DIAGRAM



1 SCALE 1/8" = 1' - 0" PLUMBING WATER SUPPLY RISER DIAGRAM

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 LICENSE NO. M 33760
 EXPIRATION DATE: 05/31/2025

BOB'S FURNITURE
 DISCOUNT

REVISION DATES

NO	DATE	TYPE
1	05/13/25	REVISION 1
1	06/27/25	REVISION 2

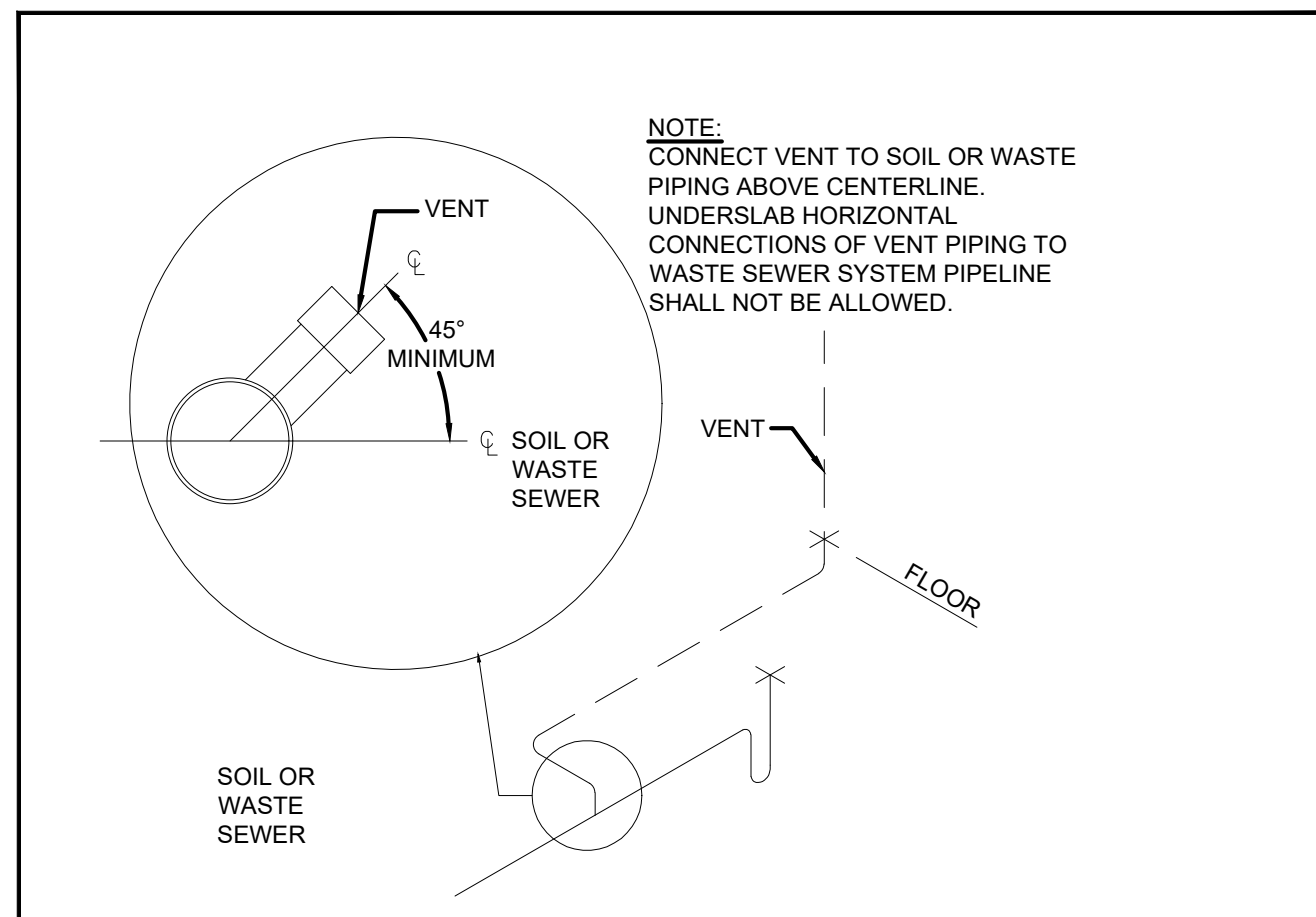
ISSUE DATES

TYPE	DATE
PERMIT SET	03/21/25
REVISION 1	05/13/25

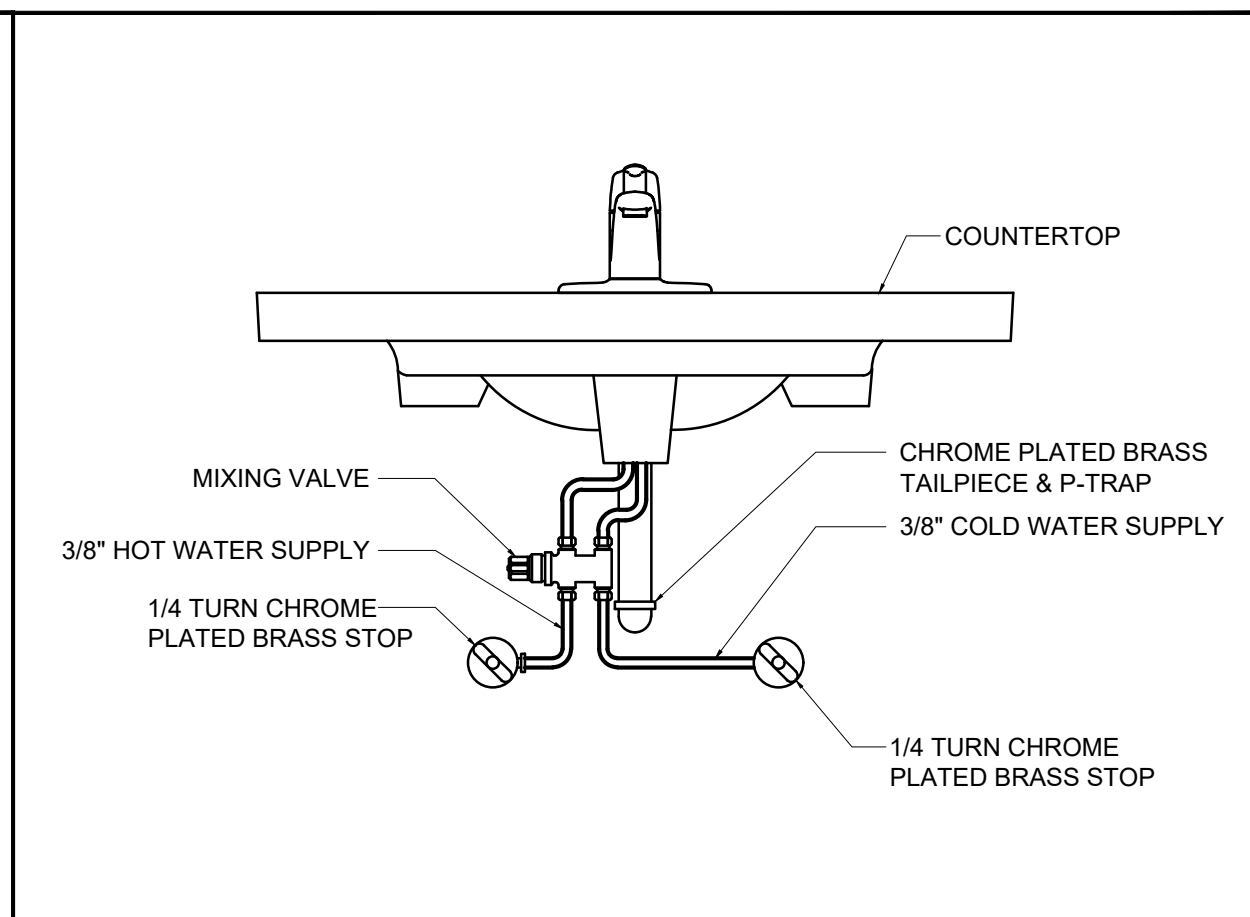
DRAWN BY: NYE
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 PROJECT NUMBER: 11373-24
 DATE: 03/21/2025

SHEET TITLE:
PLUMBING RISER DIAGRAMS

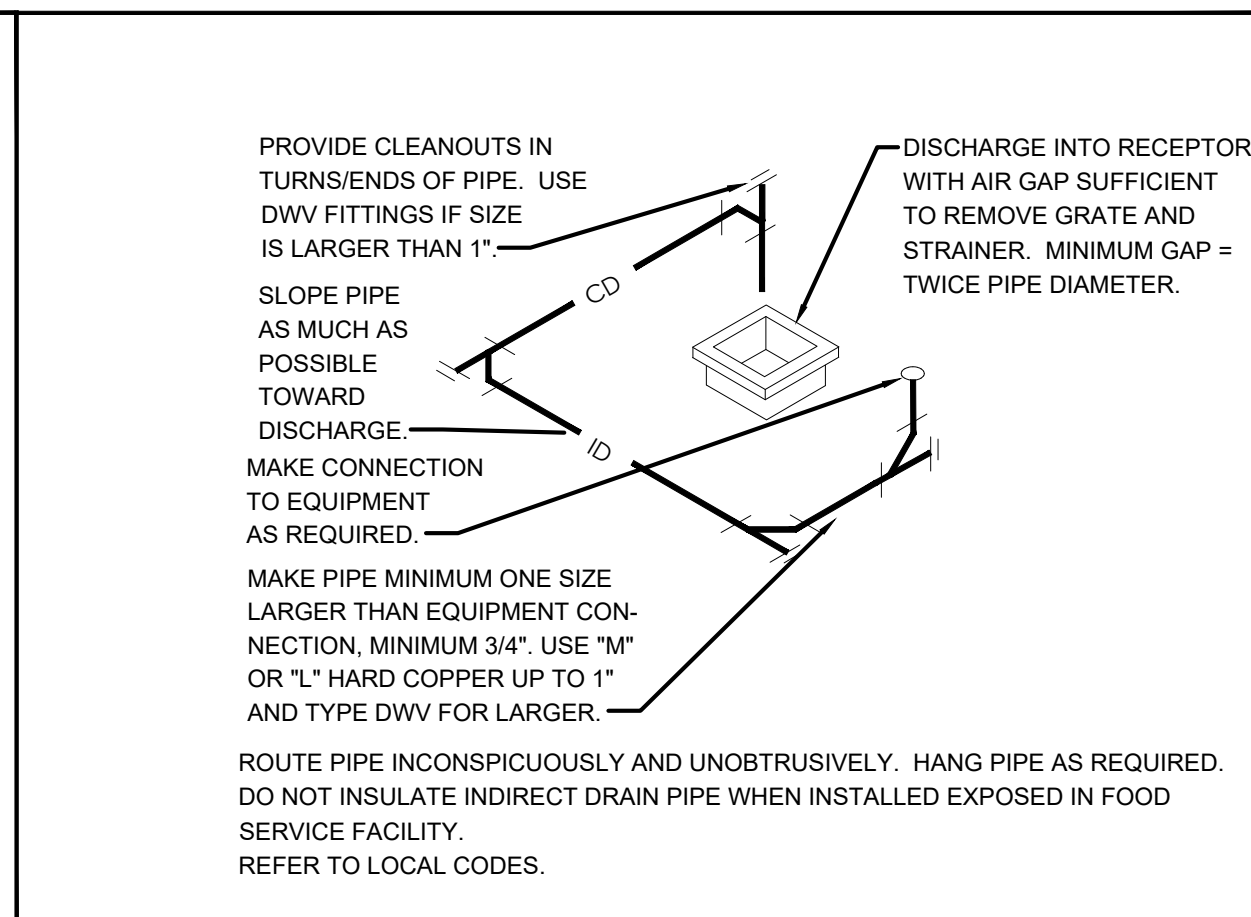
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P4.0



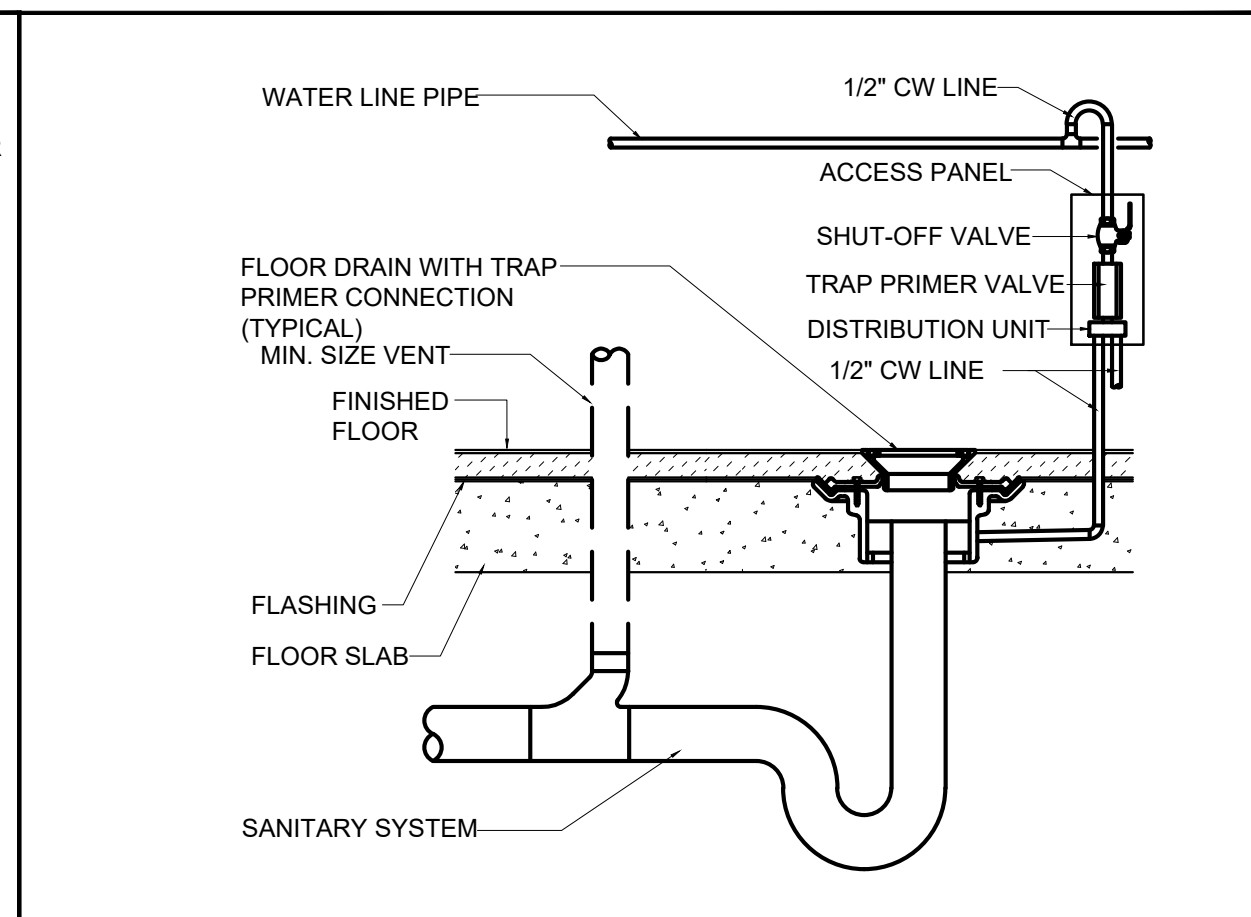
1 SCALE N.T.S. VENT PIPING INSTALLATION



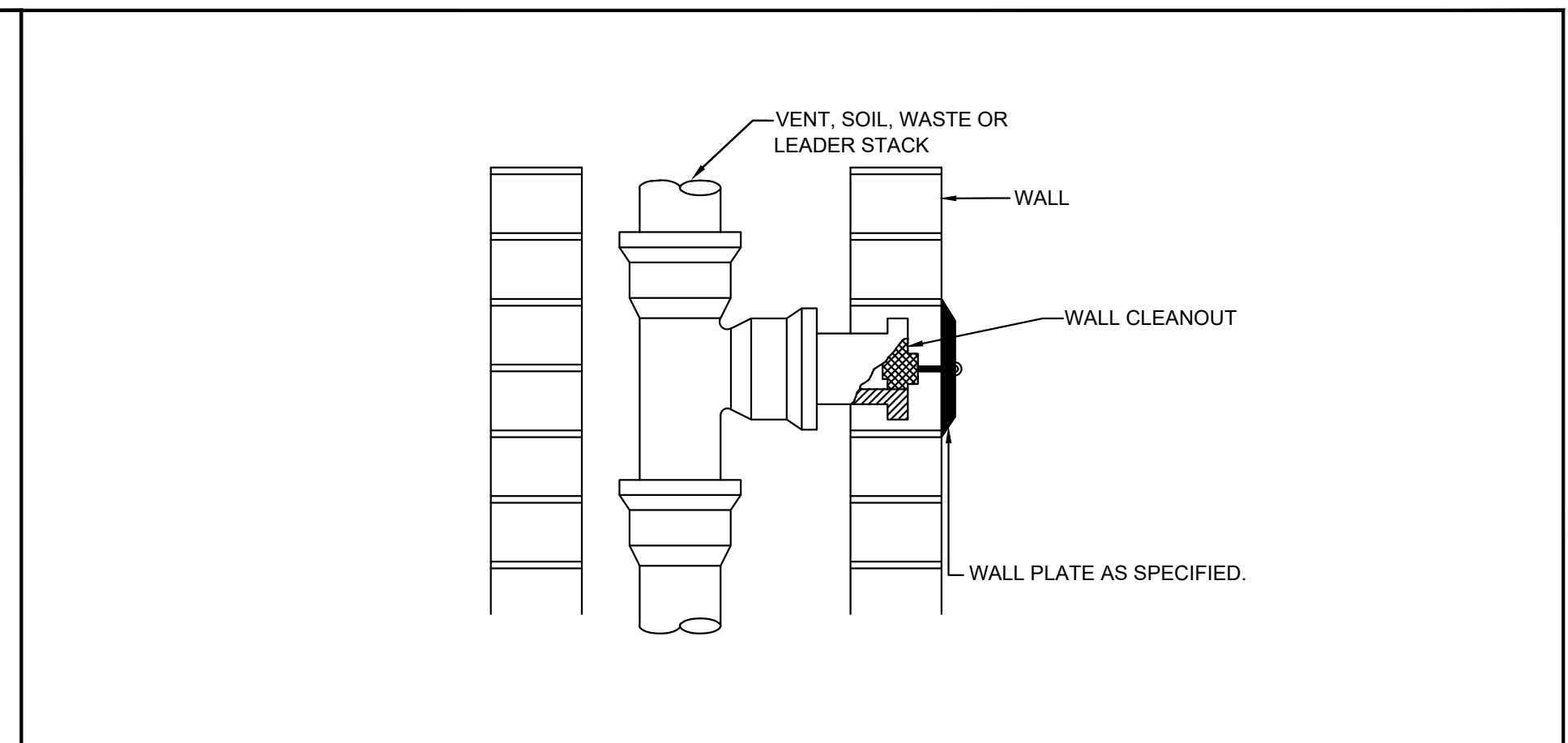
2 SCALE N.T.S. MIXING VALVE DETAILS



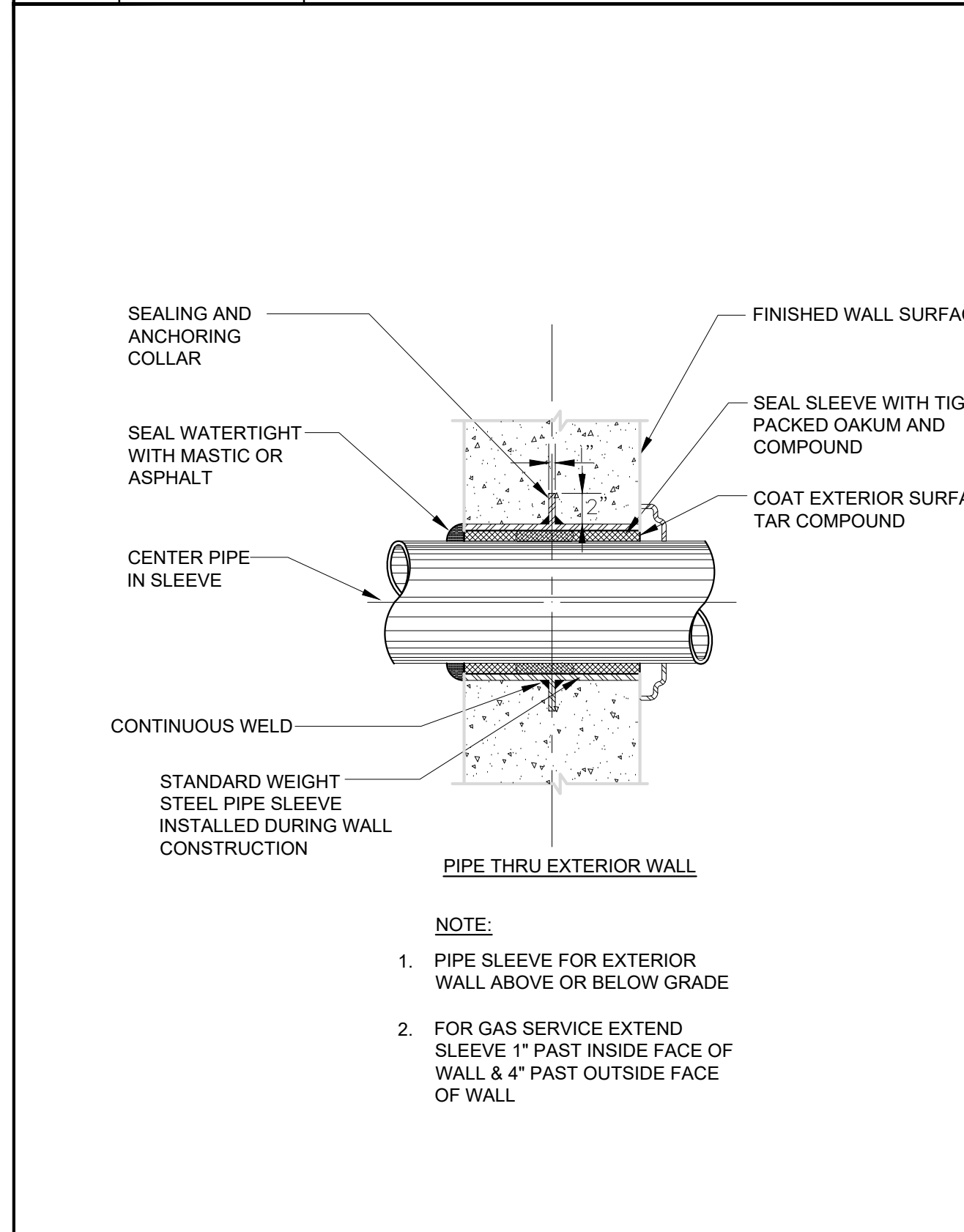
3 SCALE N.T.S. INDIRECT CONDENSATE DRAIN DETAILS



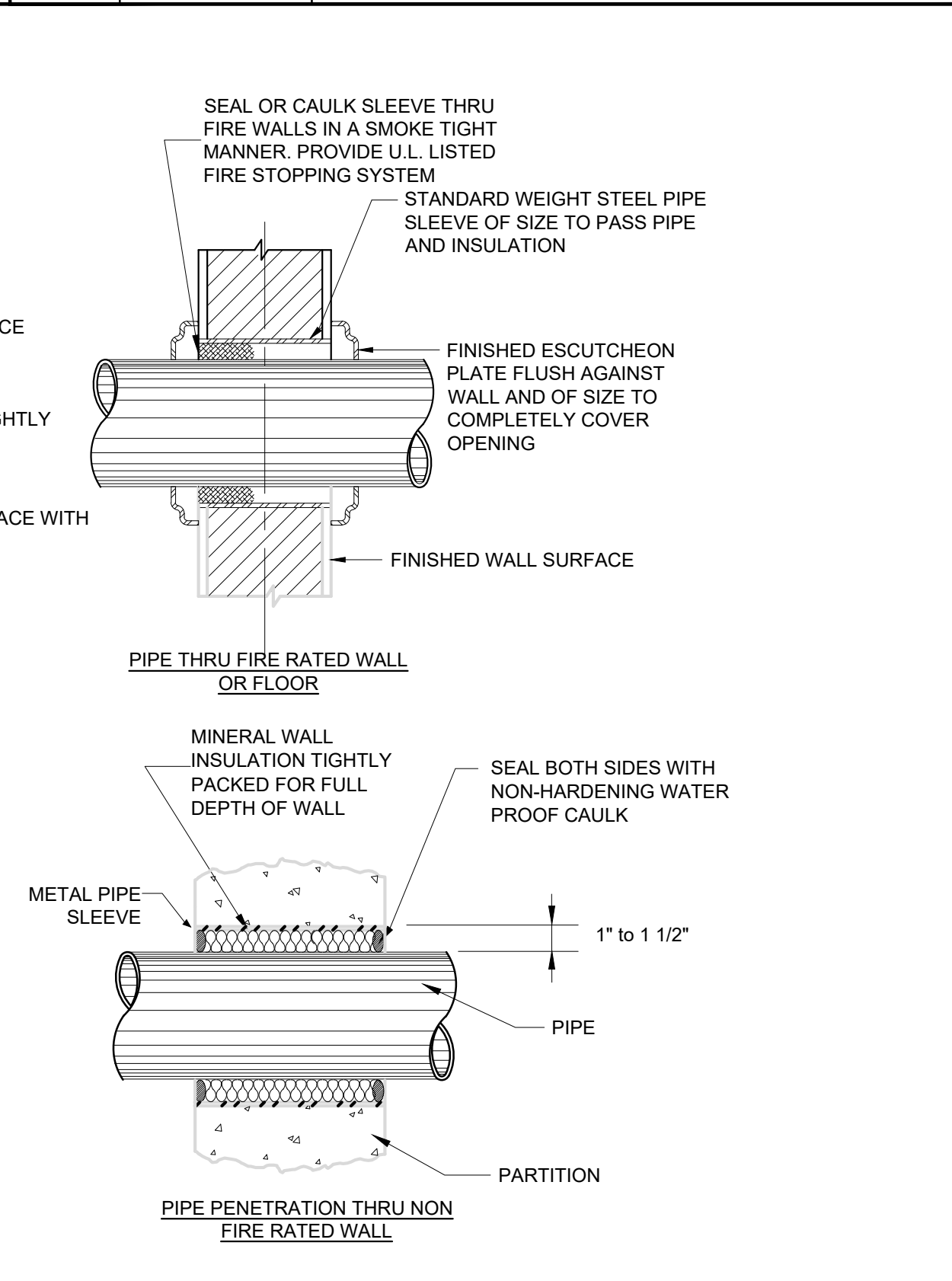
4 SCALE N.T.S. FLOOR DRAIN WITH TRAP PRIMER



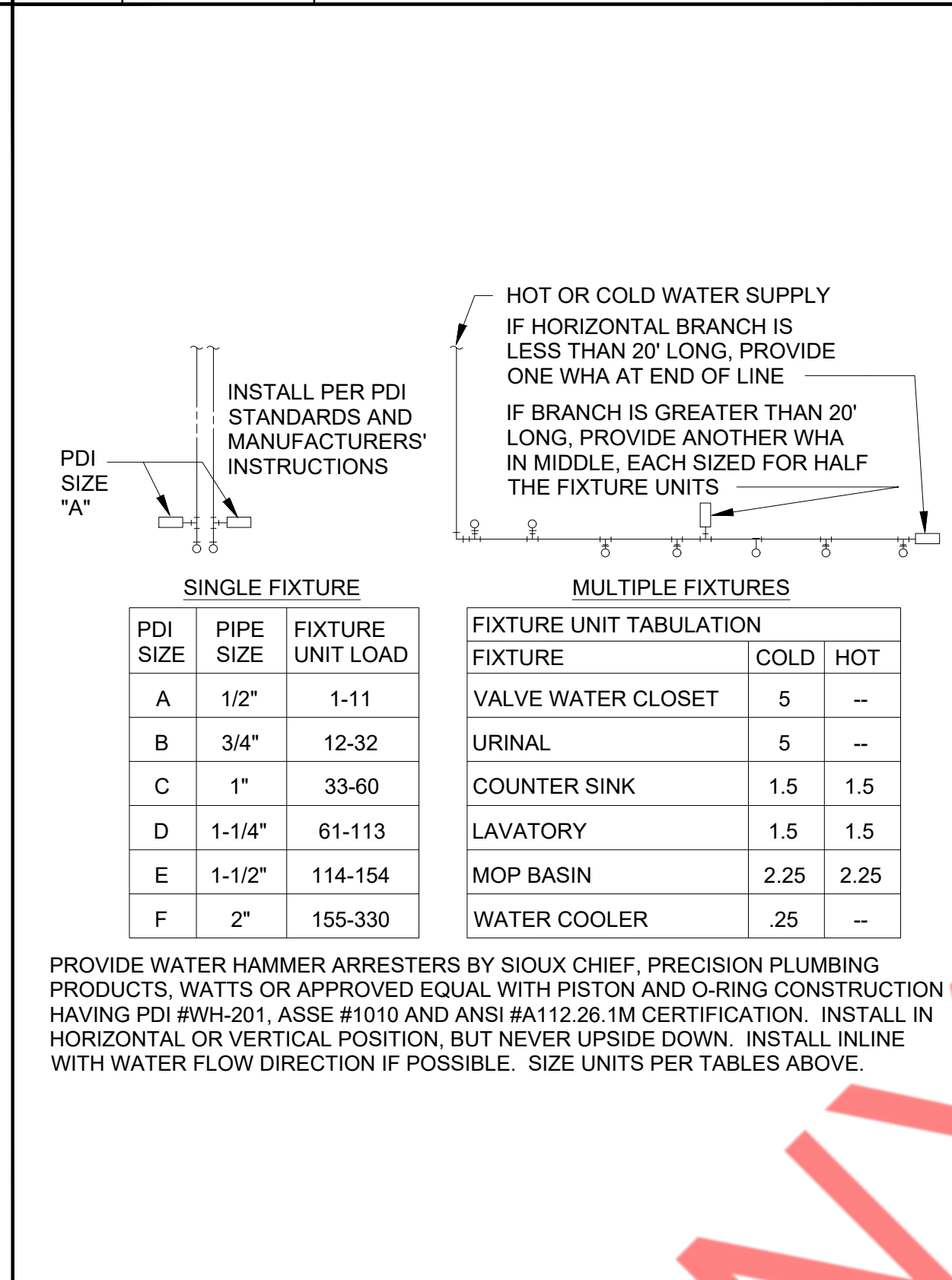
5 SCALE N.T.S. WALL CLEAN OUT DETAIL



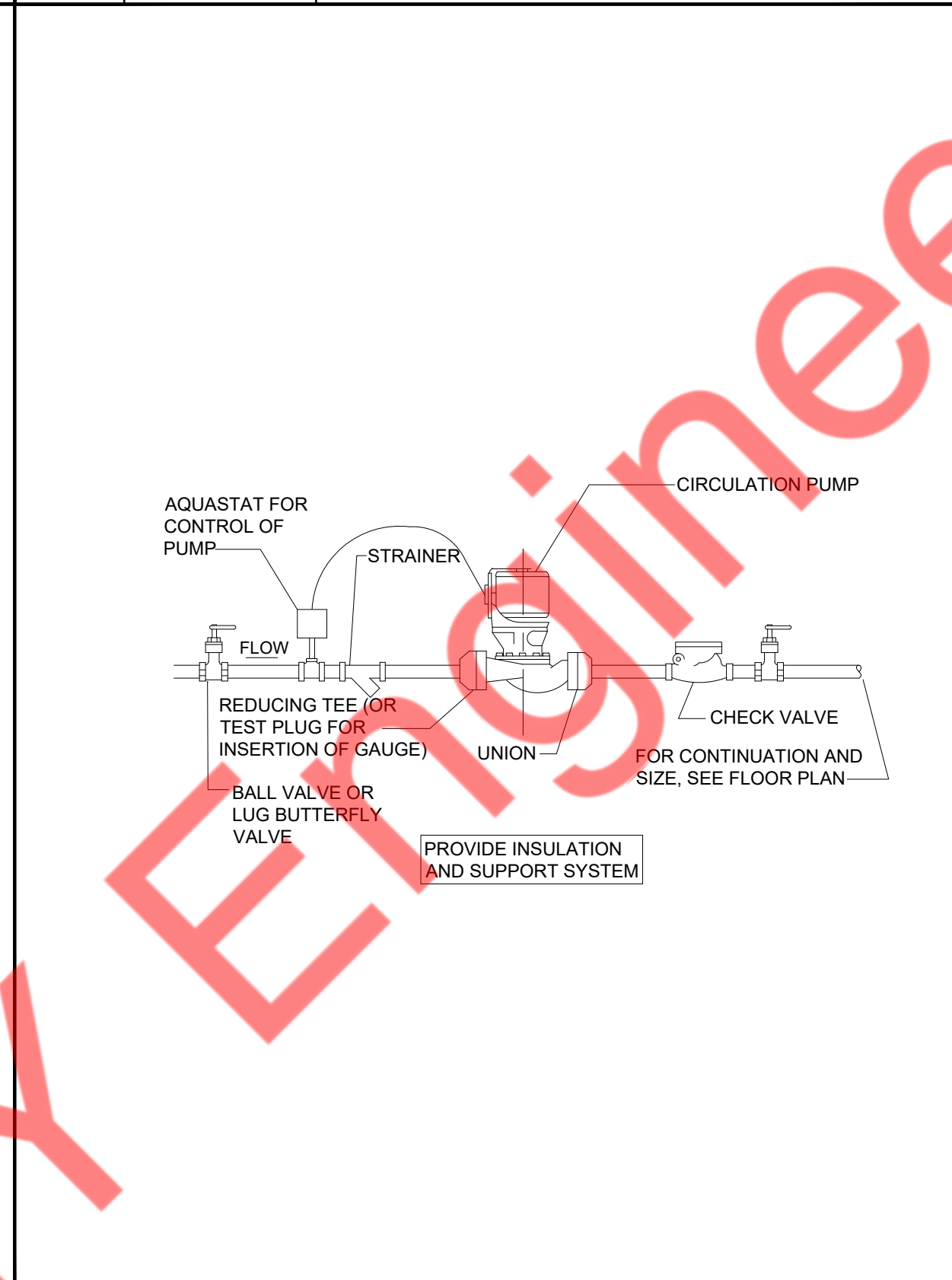
6 SCALE N.T.S. PIPE SLEEVE THROUGH WALL SECTION



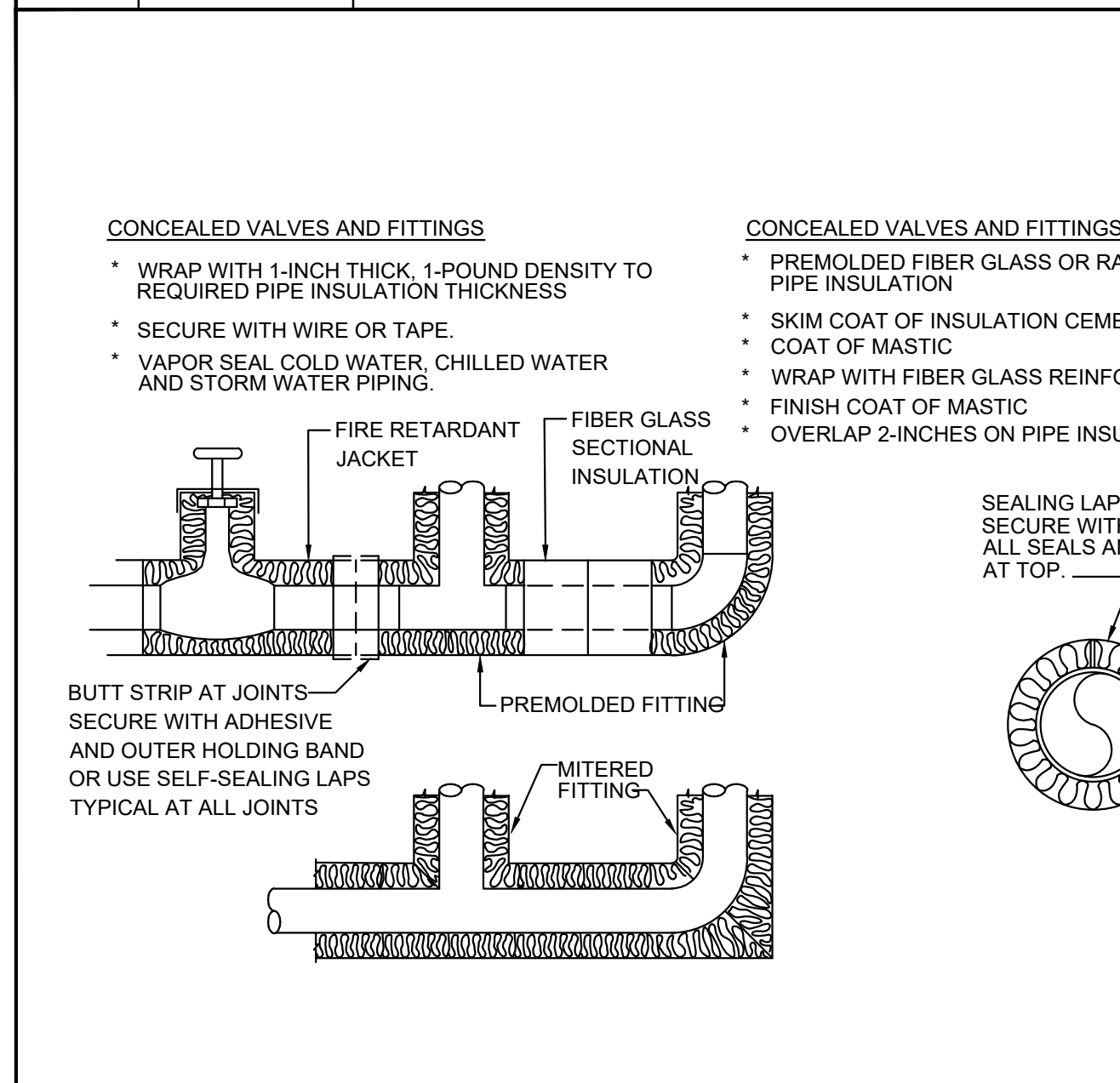
7 SCALE N.T.S. WATER HAMMER ARRESTOR



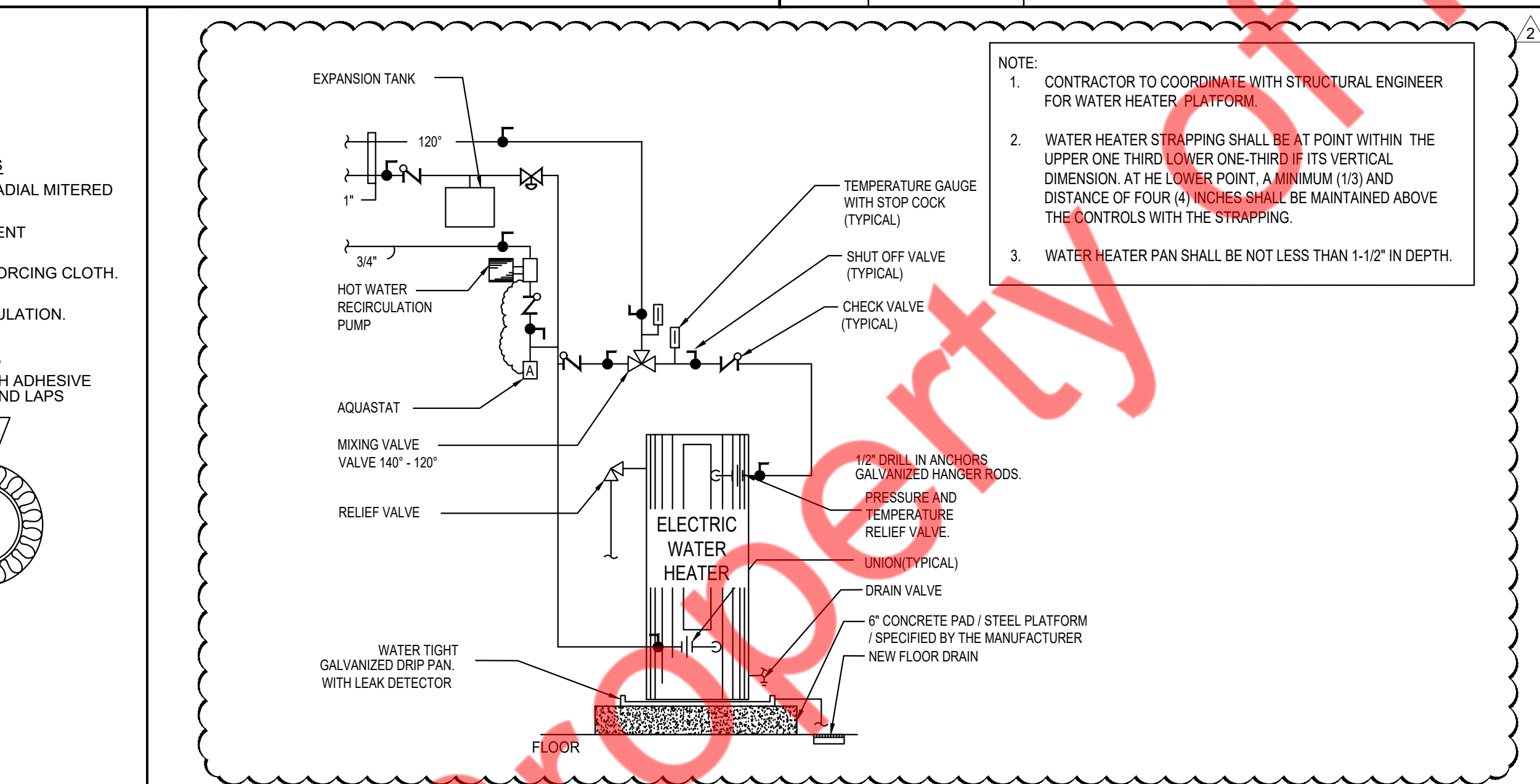
8 SCALE N.T.S. INLINE RE-CIRCULATION PUMP DETAIL



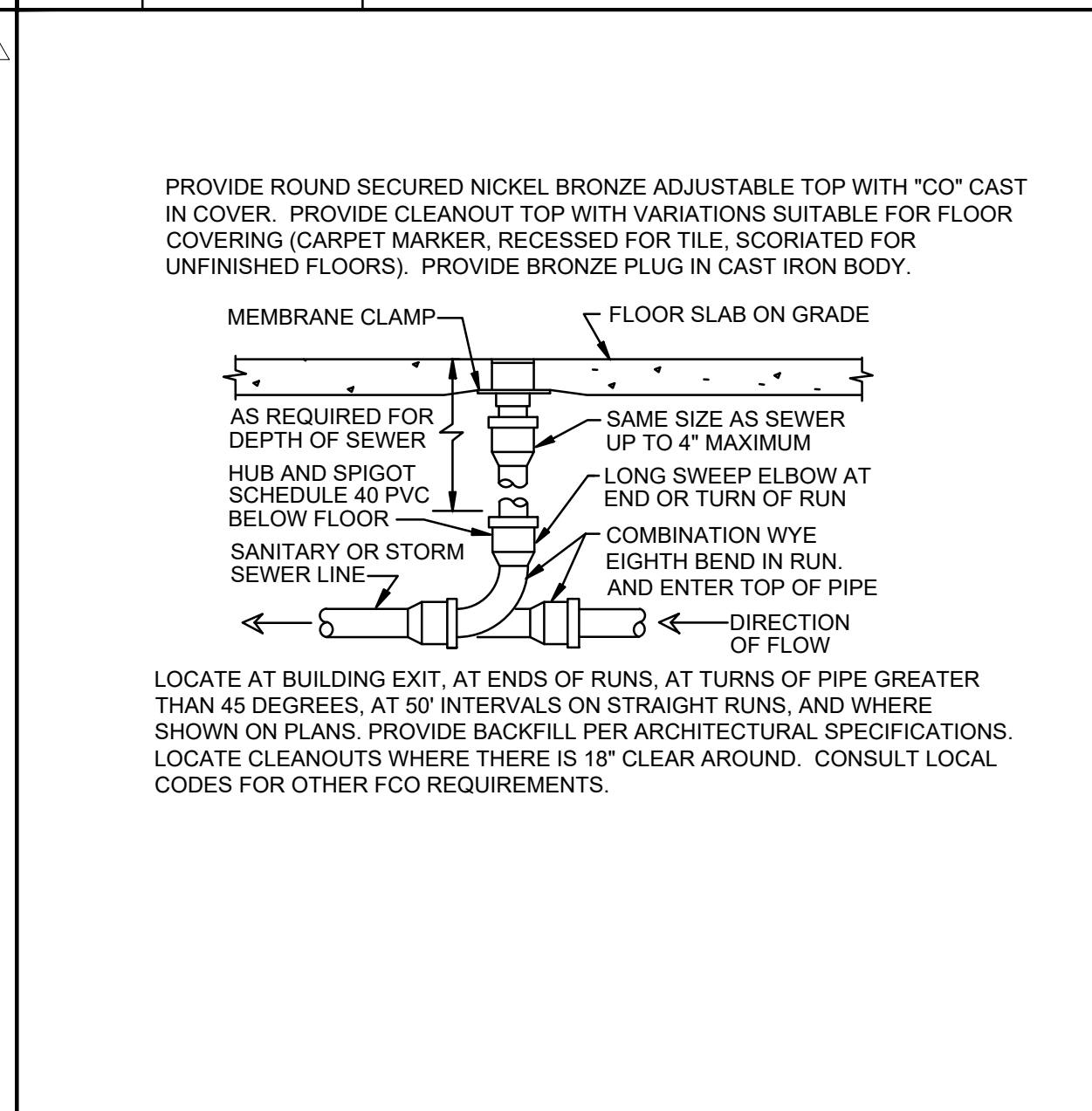
9 SCALE N.T.S. HANGER DETAIL



10 SCALE N.T.S. PIPE INSULATION DETAIL



11 SCALE N.T.S. ELECTRIC WATER HEATER DETAILS



12 SCALE N.T.S. FLOOR CLEAN OUT DETAIL

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1	06/27/25	REVISION 2

ISSUE DATES

TYPE	DATE
PERMIT SET	03/21/25
REVISION 1	05/13/25

DRAWN BY: NYE
 CHECKED BY: NYE

PROJECT NUMBER: 11373-24

DATE: 03/21/2025

SHEET TITLE: PLUMBING DETAILS

SHEET NUMBER: P5.0

