

SAND / OIL INTERCEPTOR SCHEDULE								
UNIT NO.	BASIS OF DESIGN	MAX FLOW RATE	LIQUID CAPACITY	OIL CAPACITY	SAND CAPACITY	COVER	WEIGHT (DRY)	NOTES
INT-1	STRIEM MODEL OS-50-SS	50 GPM	57 GALLON	40 GALLON	7 GALLON	H2O RATED PICKABLE CAST IRON	150 LBS	1, 2, 3

NOTES:

1. SEAMLESS, MOLDED, POLYETHYLENE TANK SAND/OIL SEPARATOR - WITH WATER & GAS-TIGHT COVER, ADJUSTABLE RISER SYSTEM AND SNAP-IN FLOW CONTROL SYSTEM.
2. PROVIDE WITH ADDITIONAL RISERS FOR DEEPER BURIAL, DEPTH AS REQUIRED.
3. PROVIDE WITH SLICK-STICK OIL LEVEL MONITORING ACCESSORY. COORDINATE CONTROL PANEL LOCATION WITH OWNER.

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PLUMBING FIXTURE SCHEDULE											
MARK	FIXTURE	MANUFACTURER	MODEL NO.	TYPE	MATERIAL	WASTE	VENT	CW	HW	REMARKS	
WC-1	WATER CLOSET (ADA ACCESSIBLE)	KOHLER	ANGLESEY K-4352-0	FLUSH FLOOR MOUNTED	VITREOUS CHINA	3"	2"	1 1/2"	---	FLOOR MOUNTED AT ADA HEIGHT 1.28 GALLONS PER FLUSHING CYCLE. VITREOUS CHINA BOWL, 1-1/2" TOP SPUD FLUSH VALVE: SLOAN ROYAL 111-1.6. EXPOSED, MANUAL, DIAPHRAGM TYPE, CHROME PLATED, HIGH BACK PRESSURE VACUUM BREAKER AND ADJUSTABLE TAILPIECE. SEAT: KOHLER MODEL STRONGHOLD K-4731-SC WHITE PLASTIC, ELONGATED SHAPE, OPEN FRONT, LESS COVER	
L-1	LAVATORY WALL HUNG (ADA ACCESSIBLE)	KOHLER	GREENWICH K-2032	WALL HUNG	VITREOUS CHINA	1 1/2"	1 1/2"	1/2"	1/2"	ACCESSIBLE WALL HUNG 20"x18", VITREOUS CHINA, 4" CENTERS, DRILLED FOR CONCEALED CARRIER. FAUCET: SLOAN EAF-100, METAL CONSTRUCTION, 0.35 GPM, 4" CENTERS, AUTOMATIC MOTION SENSOR, CONTRACTOR SHALL LOCATE POWER TRANSFORMER IN NEAREST JANITORS CLOSET OR MECHANICAL ROOM PROVIDE MECHANICAL STRAINPUP-TRAP AND SUPPLIES 15A-BR02 AND 21650C CARRIER-ZURN Z131, DURA-COATED STEEL UPRIGHTS WITH WELDED FEET, CAST IRON ADJUSTABLE HEADERS, CONCEAL ARMS AND MOUNTING FASTENERS	
SK-1	SINK	ELKAY	ELUHAD11165SPD	UNDER MOUNT	STAINLESS STEEL	2"	1-1/2"	1/2"	1/2"	UNDER-MOUNT SINK, 18-1/2" FRONT TO BACK X 14" WIDE X 5-3/8" DEEP, 18 GAUGE 304 STAINLESS STEEL, CENTER REAR DRAIN LOCATION, STRAINER WITH OFFSET DRAIN, 17 GAUGE P-TRAP WITH CLEANOUT PLUG, CHROME PLATED ANGLE SUPPLYS, CHROME PLATED ESCUTCHEONS, FAUCET: CHROME PLATED ELKAY AVALON PULL-DOWN SPRAY FAUCET, MODEL LK413051 WITH SHAM-SPOUT WITH 1.15 GPM AERATOR.	
SK-2	SINK	ELKAY	WNSF81242	FLOOR MOUNTED WITH LEGS	STAINLESS STEEL	2"	1-1/2"	1/2"	1/2"	14 GAUGE 304 STAINLESS STEEL, WELDBILT SINGLE BASIN (24"x24"x14") SINK WITH INTEGRAL BACK-SPLASH AND HEIGHT-ADJUSTABLE LEGS. PROVIDE WITH FLAT GRID STRAINER AND CHROME PLATED 1/2" GA. BRASS P-TRAP WITH CLEAN-OUT PLUG. FAUCET: 6" CENTER-SEAT WALL MOUNT FAUCET - ELKAY MODEL LK40GN0514H - 1.5 GPM WITH 9" GOOSENECK AND 4" WRISTBLADE HANDLES AND CONTRACTOR PROVIDED VACUUM BREAKER.	
EWS-1	EMERGENCY EYES/HOWER COMBINATION	BRADLEY	S1931A SERIES	FLOOR MOUNTED	---	3"	2"	1-1/2"	---	BARRIER FREE COMBINATION DRENCH SHOWER/EYEWASH UNIT. PULL ROD WITH TRIANGULAR HANDLE, STANDARD PLASTIC SHOWER HEAD, 22 GPM, HIGH PERFORMANCE EYEWASH, 5.1 GPM WITH DUST COVER.	
BF-1	BOTTLE FILLER	ELKAY	EMASM	WALL MOUNTED	STAINLESS STEEL	1-1/4"	-	1/2"	---	ELKAY EZH208 REFRIGERATED SURFACE MOUNT BOTTLE FILLING STATION NONFILTERED 80PF STAINLESS STEEL. CHILLING CAPACITY OF 8.0 GPM (GALLONS PER HOUR) OF 50.0°F DRINKING WATER, BASED ON 80.0°F INLET WATER AND 90.0°F AMBIENT, PER ASHRAE 18 TESTING. FEATURES SHALL INCLUDE: ANTIMICROBIAL, HAND FREE, LAMINAR FLOW, REAL DRAIN, ELECTRONIC BOTTLE FILLER SENSOR ACTIVATION, PRODUCT SHALL BE WALL MOUNT (ON WALL), FOR INDOOR APPLICATIONS, SERVING 1 STATION(S); UNIT SHALL BE CERTIFIED TO UL 399 AND CAN/CSA C22.2 NO. 120.	
WHY-1	WALL HYDRANT	ZURN	Z1320XL	WALL MOUNTED	---	---	---	3/4"	---	ENCASED, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING WALL HYDRANT WITH INTEGRAL BACKFLOW PREVENTER, 3/4" HOSE THREAD OUTLET SPOUT, AND NICKEL-BRONZE HOUSING.	
IMB-1	ICE MAKER BOX WITH SHUT-OFF VALVE	OATEY	PART NO. 39151	---	---	---	---	---	---	HIGH IMPACT POLYSTYRENE, 2 SUPPORT BRACKETS, SNAP-ON FACEPLATE FRAME, ACCOMMODATES UP TO 1" DRYWALL WITH 1/4 TURN SHUT-OFF VALVE	
MS-1	MOP SINK	FIAT	MSB 2424	FLOOR MOUNTED	MOLDED STONE	3"	1 1/2"	3/4"	3/4"	FLOOR MOUNTED MOLDED STONE MOP SERVICE BASIN, WHITE, 10" HIGH WALLS WITH 1" WIDE SHOULDERS, COMBINATION DOME STRAINER AND STAINLESS STEEL LINET BASKET. FAUCET:FIAT MODEL NO. 830 AA WALL MOUNTED SERVICE FAUCET CHROME PLATED WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" THREADED HOSE SPOUT	

DRAINAGE SPECIALTIES AND CONNECTIONS SCHEDULE									
MARK	SPECIALTY	MANUFACTURER	MODEL NO.	TYPE	MATERIAL	STYLE	SIZE	DOMESTIC CW	REMARKS
CD-1	CONDENSATE DRAIN	ZURN	Z415-I-U-V	NO HUB OR NEO-LOCK	CAST IRON/ NICKEL BRONZE TOP	POLISHED ROUND TOP	PER DWGS.		COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAE SLOTS AND TYPE T POLISHED, 5.716" ROUND TOP, NICKEL BRONZE STRAINER WITH 2" RAISED LIP.
HD-1	HUB DRAIN	ZURN	Z1870	NO HUB	304 SST	SIZE LARGER ROUND TOP	PER DWGS.		304 STAINLESS STEEL BODY WITH LARGE INLET AND PIPE SIZE SMALLER BOTTOM OUTLET.
DSB-1	DOWN SPOUT BOOT	MCKINLEY IRON WORKS	TYPE DSB-4	NO HUB	ALUMINUM		PER DWGS.		3" x 4" HEAVY DUTY EXTRUDED ALUMINUM -COORDINATE OUTLET WITH ARCHITECTURAL DRAWINGS
BWV-1	BACK WATER VALVE	JOSAM	67500-10-15-30	HUB & SPIGOT	COATED CAST IRON		PER DWGS.		COATED CAST IRON BACKWATER VALVE, OFFSET TYPE WITH BRONZE SWING CHECK ASSEMBLY AND 2" AUXILIARY INLET WITH BRONZE PLUG. ORDER WITH WITH VALVE IN PARTIALLY OPEN POSITION. ADAPT TO PVC

UNIT NO.	LOCATION	COMPRESSOR TYPE	BASIS OF DESIGN	SERVICE TYPE	MAX. OPERATING PRESSURE (PSIG)	OUTPUT (SCFM@ 90 PSI)	RECEIVER SIZE AND TYPE	DRAIN CONNECTION (INCHES)	ELECTRICAL				WEIGHT (LBS.)	NOTES
									HP	V/PH/Hz	MCA	MOCp		
AC-1	OIL ROOM	ROTARY SCREW COMPRESSOR	INGERSOLL RAND MO. UPE-10TAS-150	GENERAL SERVICE COMPRESSED AIR ISO CLASS 3.4.4.	150	35	80 GALLON HORIZONTAL	--	10	208/360	30.3	50	605	1.2
NOTES -COMPRESSORS SHALL BE PROVIDED WITH THE FOLLOWING:														
1. PROVIDE WITH REFRIGERATED DRYER OPTION (120V/1PH/5AMP) PROVIDE ELECTRICAL CIRCUIT.														
2. PROVIDE WITH "F" SERIES FILTERS AND ELECTRONIC DRAIN VALVE. PROVIDE 115V, 15AMP PLUG OUTLET.														
3. ANCHOR UNIT TO HOUSEKEEPING PAD PER MANUFACTURER'S RECOMMENDATIONS.														

CLEANOUT SCHEDULE				
CLEANOUT APPLICATION	TYPE	ZURN	JOSAM	J.R. SMITH
FINISH CONCRETE FLOOR (CAST IRON BODY, BRONZE PLUG, NICKEL BRONZE TOP)	ROUND SQUARE	ZN-1400-IC-BP ZN-1400-IC-BP-T	55000-2-X 55000-2-SQ-X	4228-C 4048-C
FINISH WALL (CAST IRON BODY, BRONZE PLUG, STAINLESS STEEL COVER)	ROUND	ZN-1446-BP	58910-19 & 58600 (COVER)	4532-S
EXPOSED PIPING (CAST IRON BODY, BRONZE PLUG)	HORIZONTAL VERTICAL	ZN-1440 ZN-1445	58900 58910	4420-C 4512-S
TILED AREA (CAST IRON BODY, BRONZE PLUG, NICKEL BRONZE TOP)	ROUND SQUARE	ZN-1400-IC-BP-X ZN-1400-IC-BP-T	5500-2-12-X 55000-2-12-SQ-X	4168-C 4168-C
CARPETED AREA (CAST IRON BODY, BRONZE PLUG, NICKEL BRONZE TOP)	ROUND	ZN-1400-IC-BP-CF	55000-2-13-X	4028C-Y
TERRAZZO AREA (CAST IRON BODY, BRONZE PLUG, NICKEL BRONZE TOP)	ROUND SQUARE	ZN-1400-IC-BP-Z ---	55000-2-13-X 55000-2-13-SQ-X	4188-C 4208-C

WATER HAMMER ARRESTOR SCHEDULE		
ARRESTOR SIZE (WHA)	WATER SUPPLY FIXTURE UNITS	PDI STD WH 201
1/2"	1-11	PDI-A
3/4"	12-32	PDI-B
1"	33-60	PDI-C
1-1/4"	61-133	PDI-D
1-1/2"	114-154	PDI-E
2"	155-330	PDI-F

NOTE:
ALL ARRESTORS SHALL BE INSTALLED PER PDI (PLUMBING AND DRAINAGE INSTITUTE) STANDARD PDI-WH201 (2006) FOR SIZING AND PLACEMENT.

MIXING VALVE SCHEDULE					
TAG	LOCATION	MANUFACTURER/MODEL NO.	MIN. GPM	MAX GPM	NOTES
TMV-1	JANITOR RM 109	BADLEY S19-2250 (EFX50)	3.0	44.2	2, 3, 4, 5
TMV-2	JANITOR RM 109	BADLEY S59-3045	0.5	8	1, 2, 3, 5

NOTES:

1. SET OUTLET TEMPERATURE TO 110°F.
2. MIXING VALVE SHALL BE INSTALLED AND PIPED ACCORDING TO MANUFACTURER'S REQUIRED PIPING METHOD.
3. SEE ELECTRIC WATER HEATER DETAIL.
4. SET OUTLET TEMPERATURE TO 85°F.
5. PROVIDE WITH MANUFACTURER'S WALL MOUNTING BRACKET. INSTALLATION SHALL INCLUDE HEAT TRAPS & ISOLATION VALVES ON HOT AND COLD WATER INLETS.

ELECTRIC WATER HEATER SCHEDULE								
MARK	CAP. GAL.	HEATING SOURCE	ELEMENTS	TOTAL KW.	V/Ø/Hz	MFG'R.	MODEL NO.	REMARKS
EW-H-1	20'	ELEC.	1	4.5 KW	208/1Ø	A.O. SMITH	DEL-20S-4.5	①②③④⑤

REMARKS:

- WITH ASME PRESSURE AND TEMPERATURE RELIEF VALVE.
- WITH COMPLETE CONTROLS, ADJUSTABLE THERMOSTATS, HIGH TEMPERATURE CUTOFF PER ELEMENT, U.L. LISTED, THERMOSTATIC SEQUENCING CONTROL.
- (1) 4.5 KW ELEMENT
- 21-3/4" Ø BY 22-1/4" HIGH.
- SET AT 140°F.

F

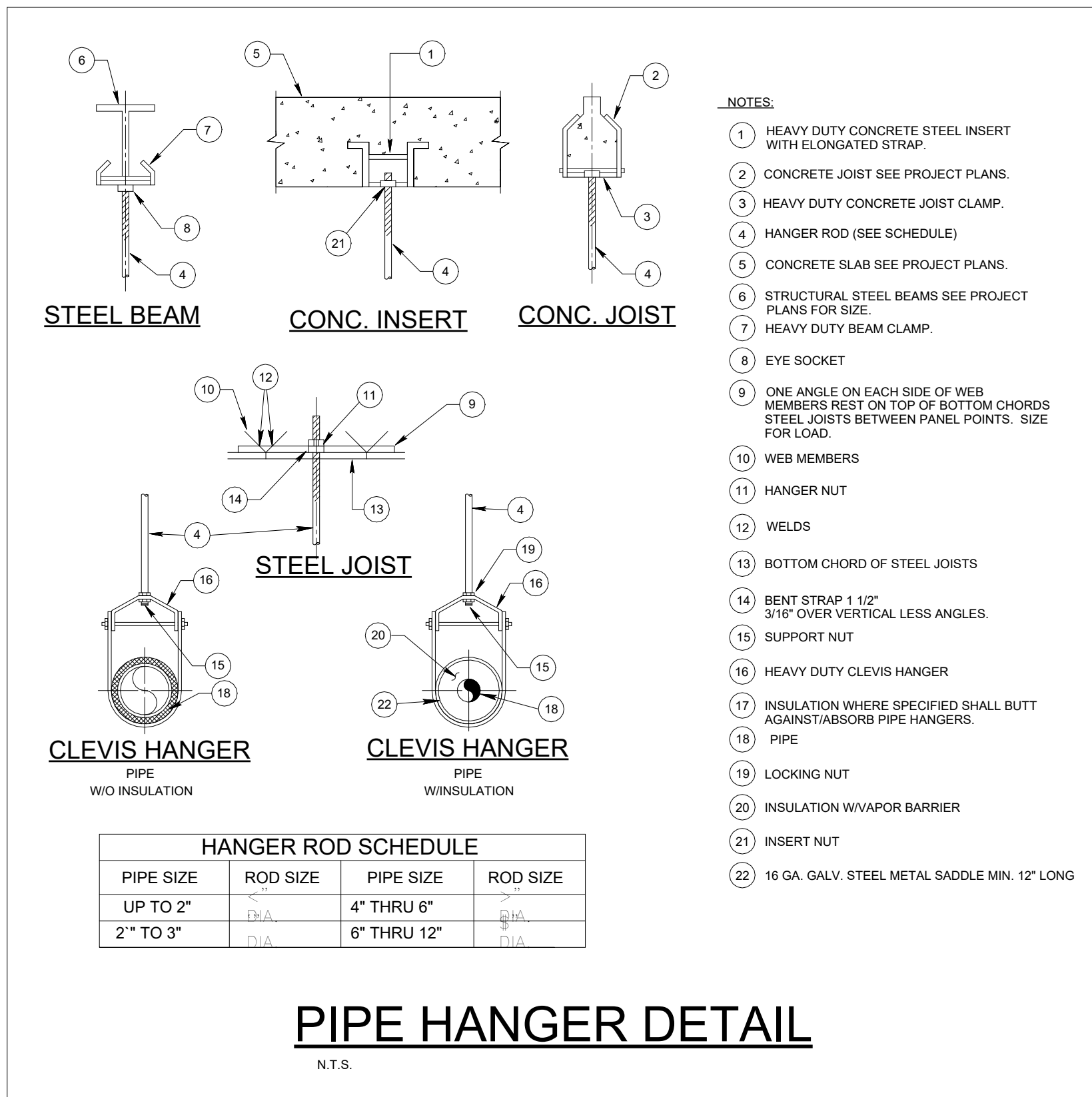
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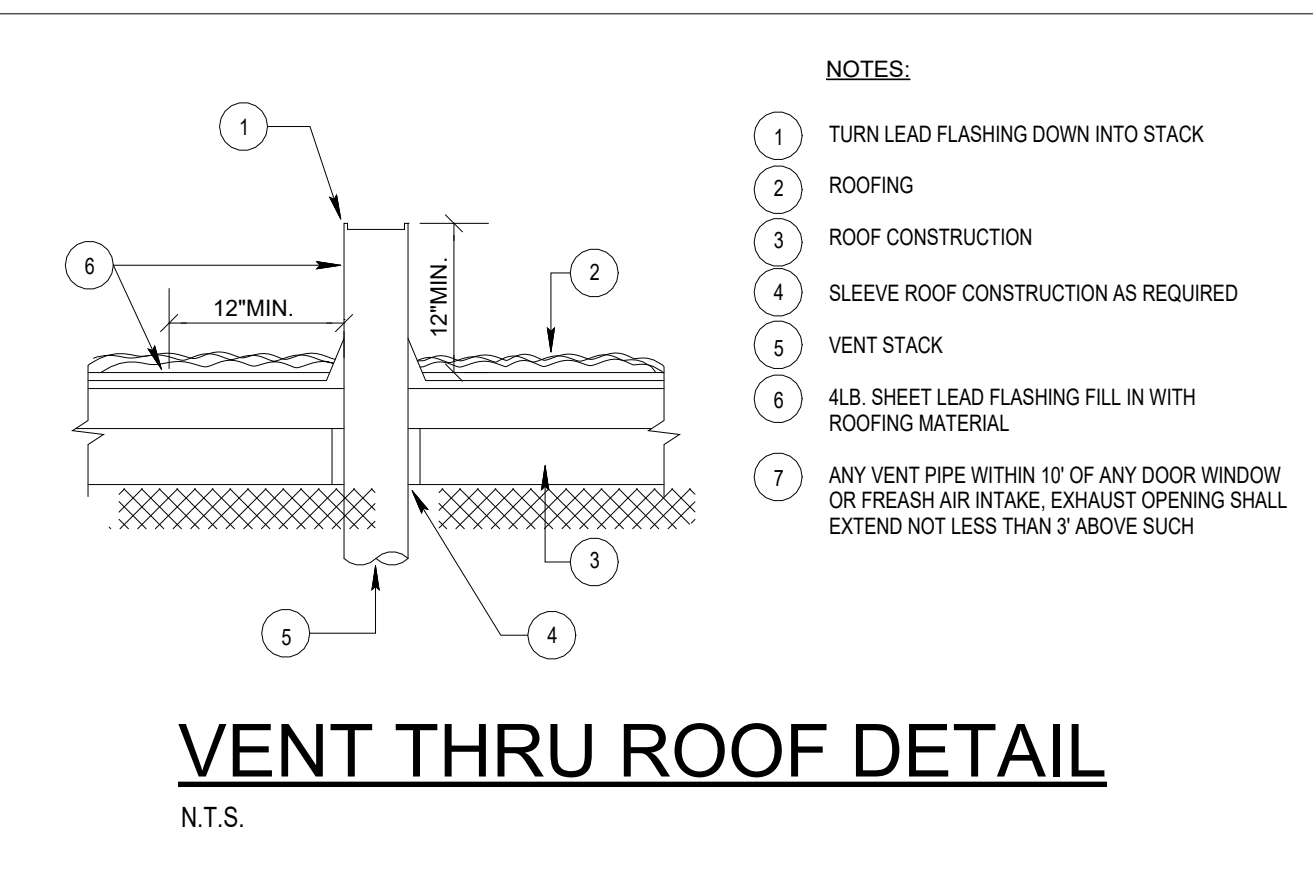
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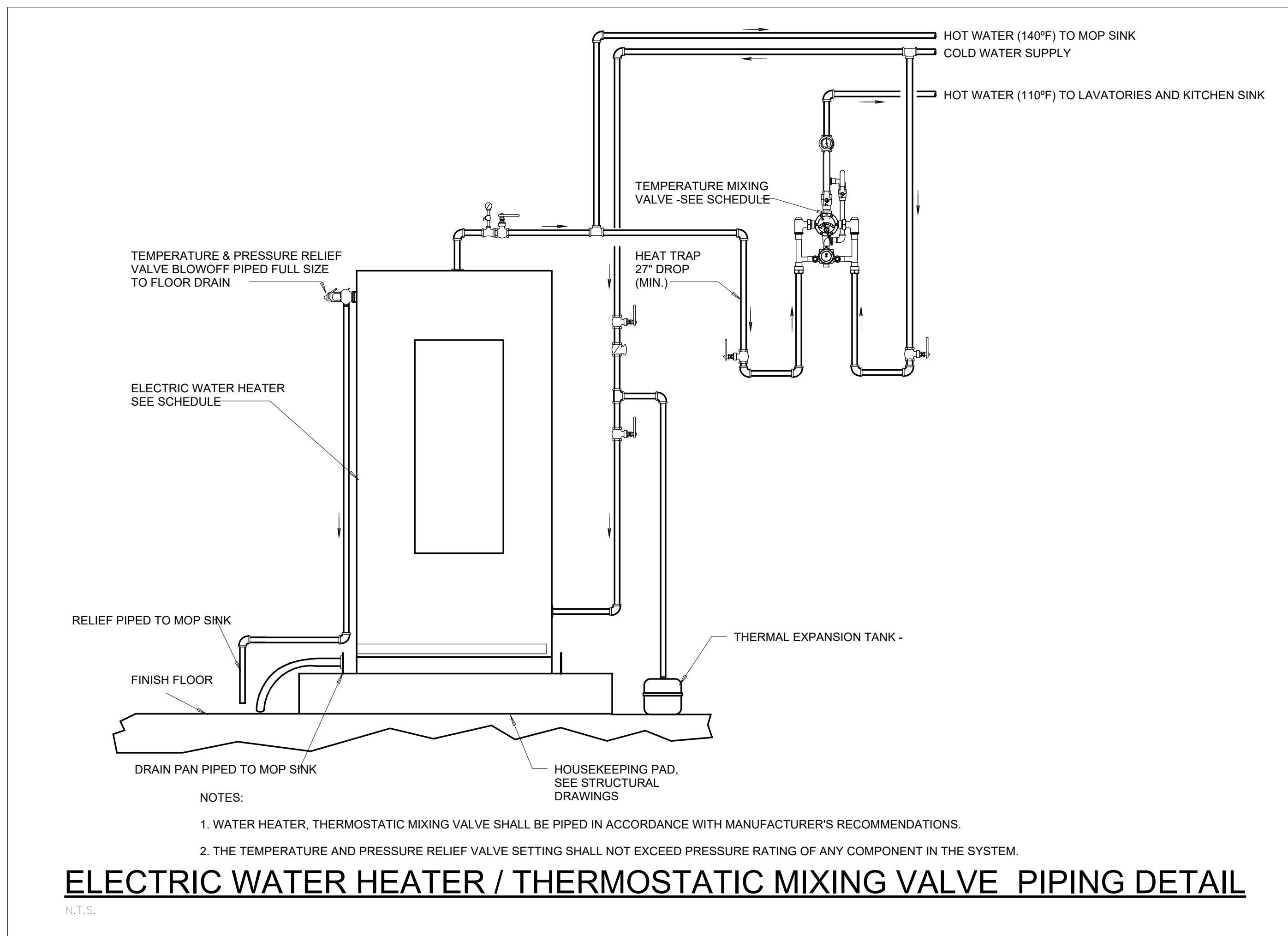
PIPE HANGER DETAIL

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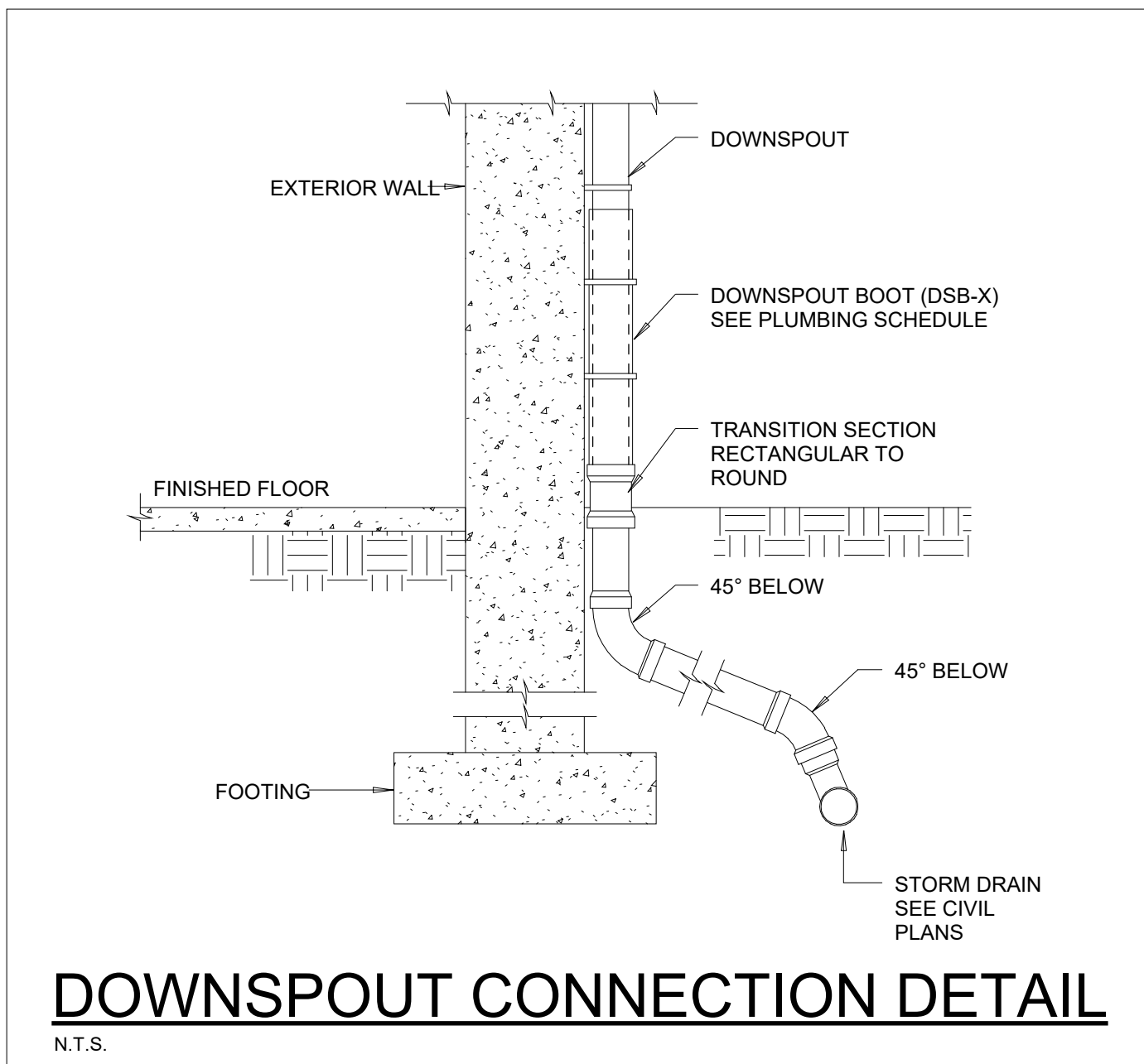
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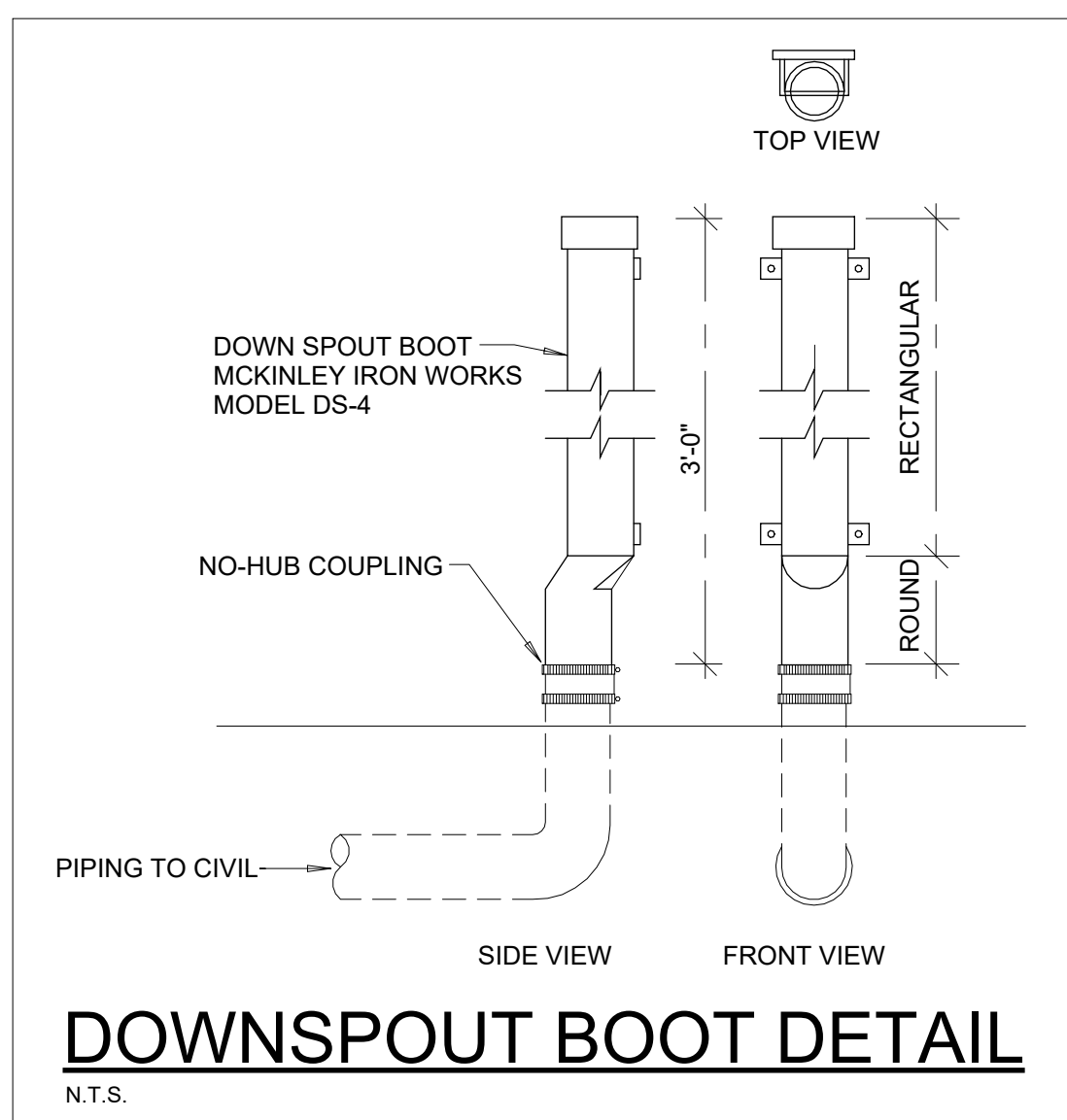
ELECTRIC WATER HEATER / THERMOSTATIC MIXING VALVE PIPING DETAIL

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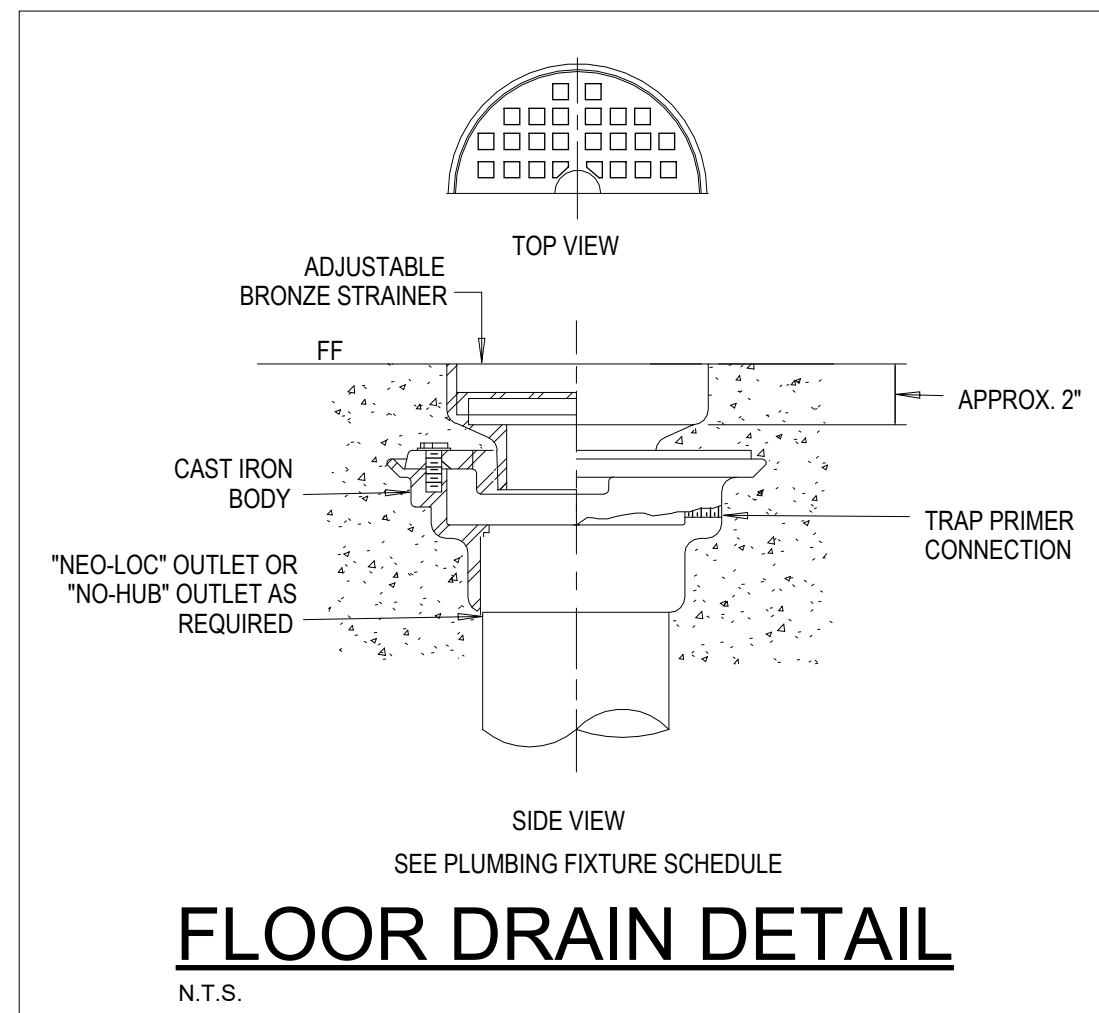
DOWNSPOUT CONNECTION DETAIL

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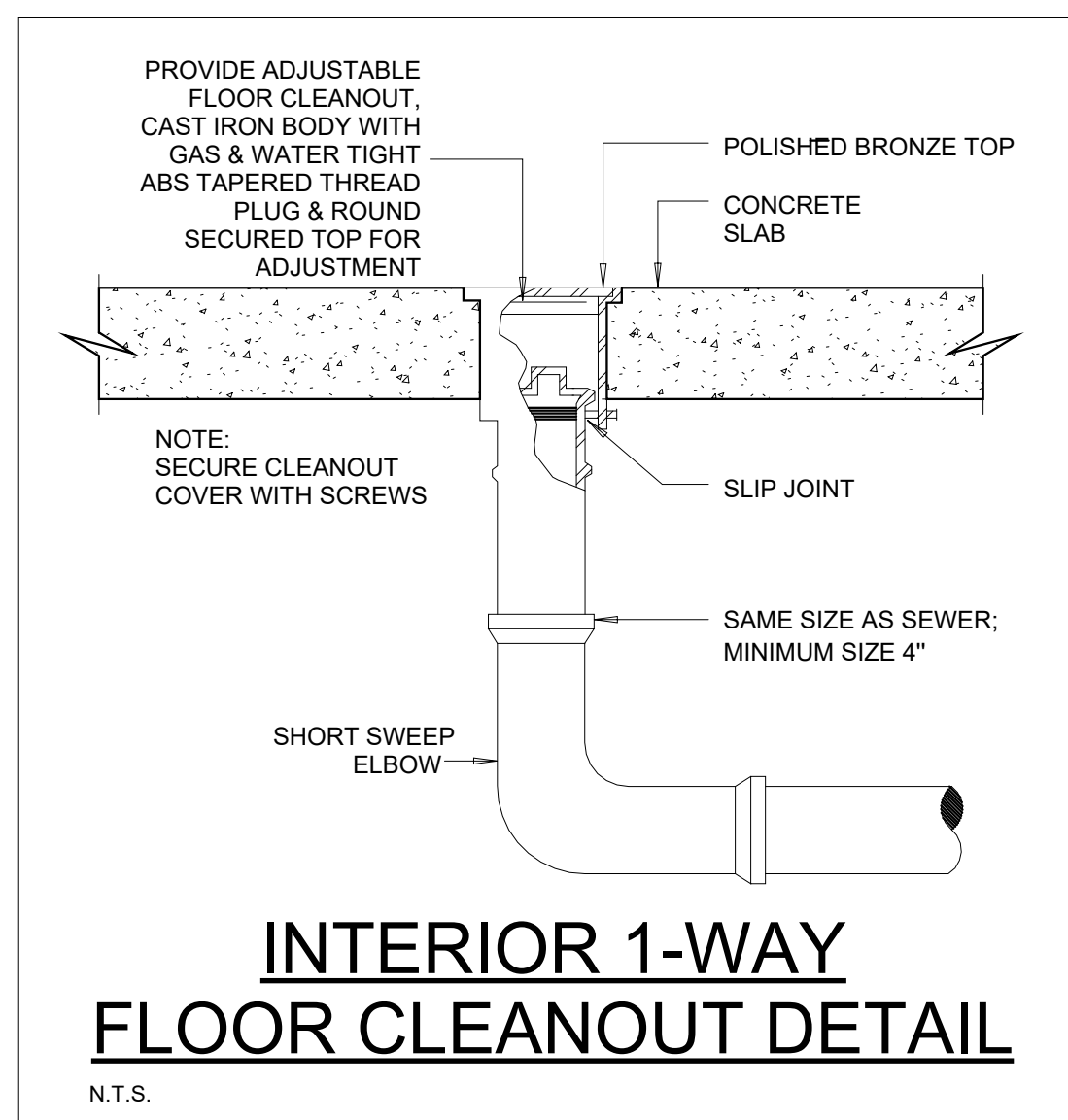
DOWNSPOUT BOOT DETAIL

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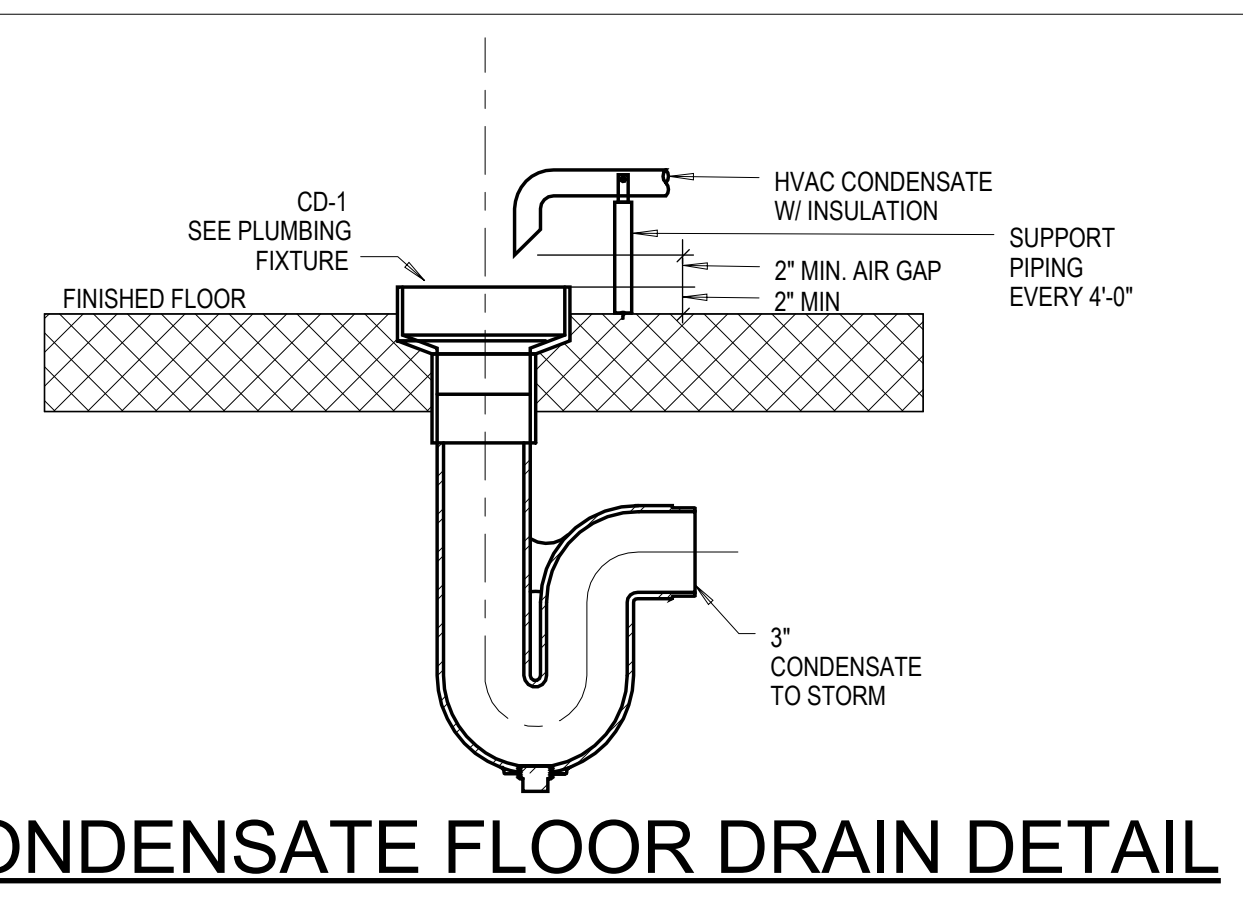
FLOOR DRAIN DETAIL

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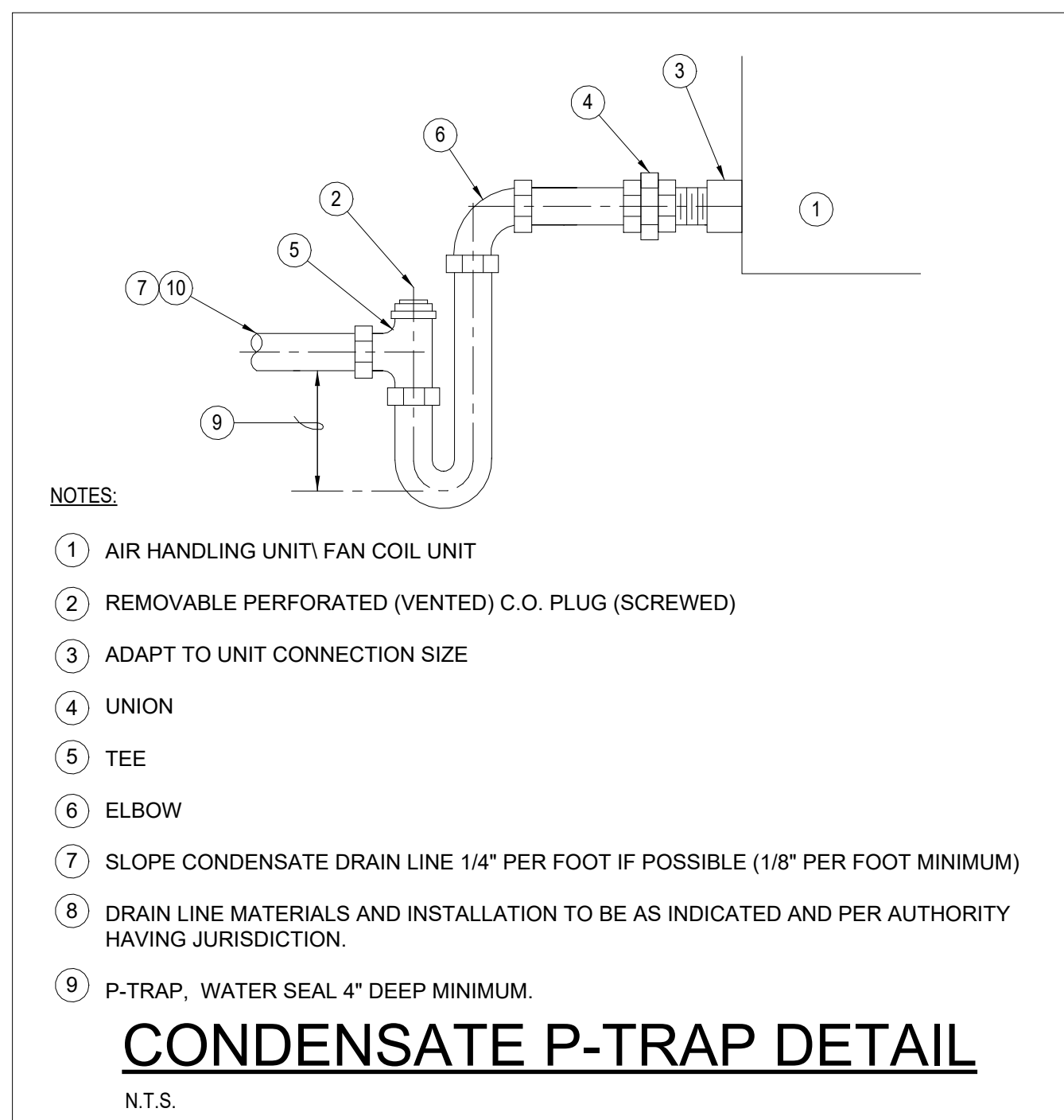
INTERIOR 1-WAY FLOOR CLEANOUT DETAIL

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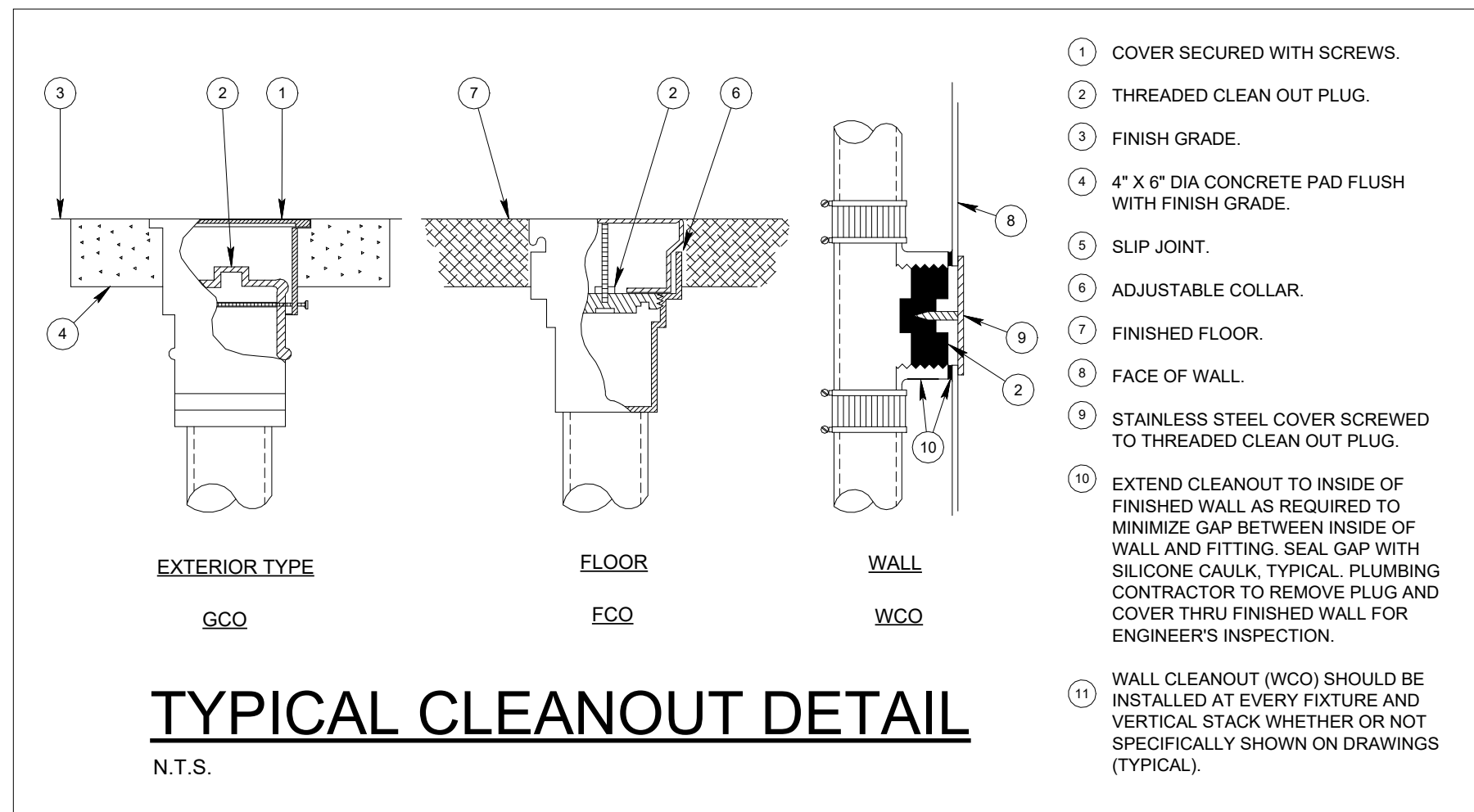
CONDENSATE FLOOR DRAIN DETAIL

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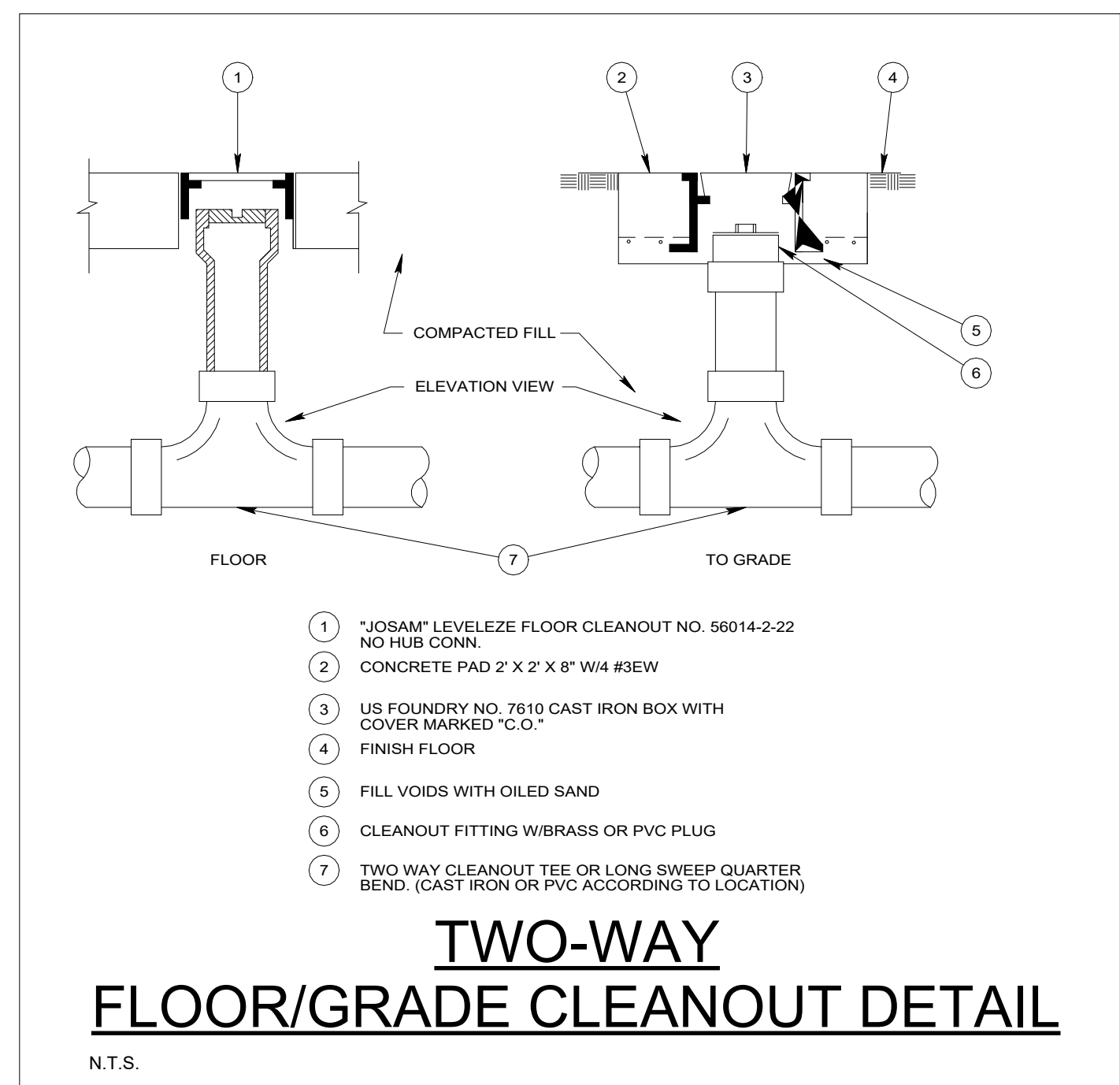
CONDENSATE P-TRAP DETAIL

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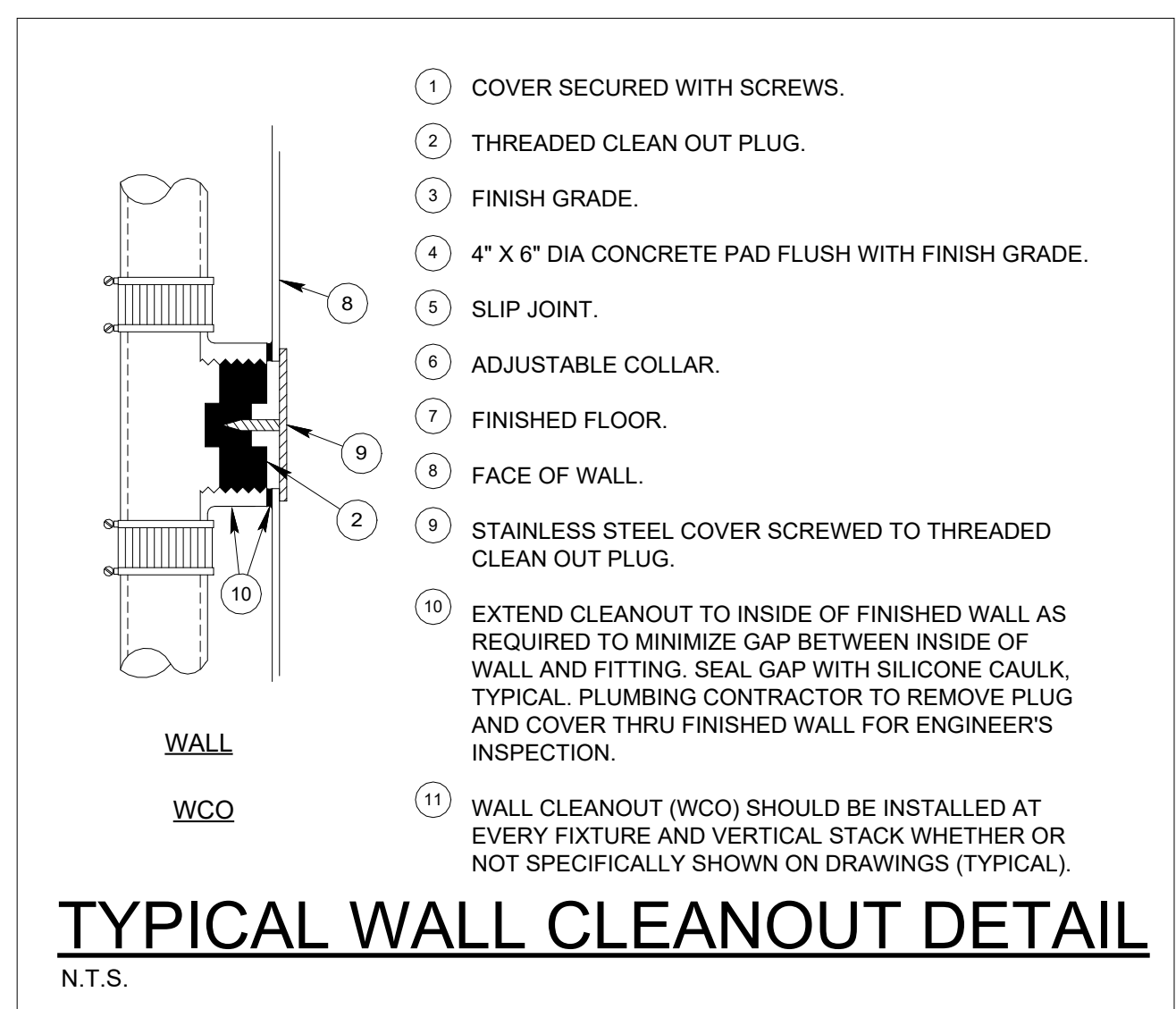
TYPICAL CLEANOUT DETAIL

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TWO-WAY FLOOR/GRADE CLEANOUT DETAIL

N.T.S.



TYPICAL WALL CLEANOUT DETAIL

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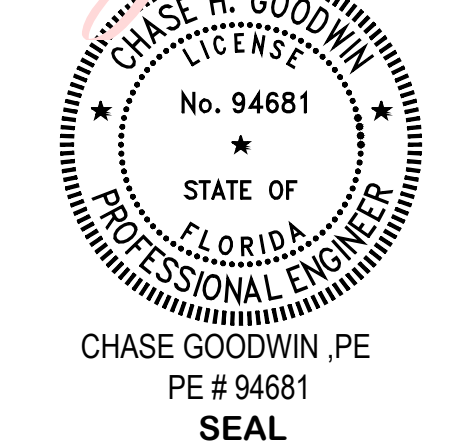
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ISSUE FOR:
100% CONSTRUCTION DOCUMENTS

ISSUE DATE:
02/15/2026

REVISIONS:

NO. REASON DATE

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PROJECT MANAGER
SCOTT RAYNOR
DESIGN TEAM
CEa
PROJECT NAME
COLUMBIA STORM
PROCESSING & SERVICE
CENTER - BLDG C -
2-BAY FLEET GARAGE

PROJECT NO.
814C632800

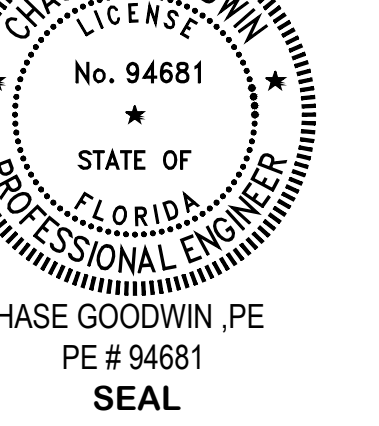
SHEET TITLE
SHEET NAME
PLUMBING DETAILS

SHEET NUMBER

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DOCUMENTS

EXPIRATION DATE
2/15/2026

DISCUSSION

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CEA
PROJECT NAME
**COLUMBIA STORM
PROCESSING & SERVICE
CENTER - BLDG C -
BAY FLEET GARAGE**

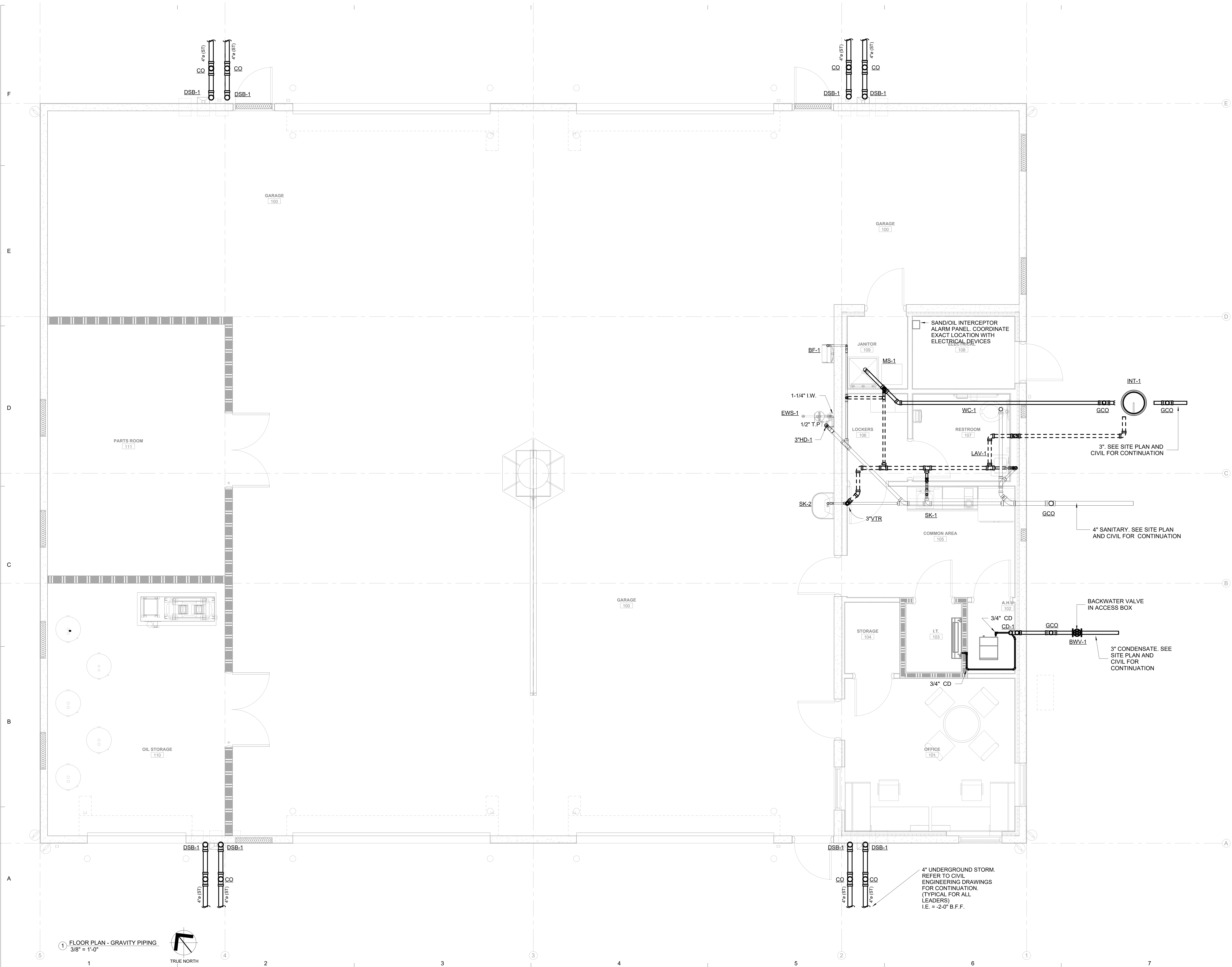
PROJECT NO.

14C632800

SHEET NAME
PLUMBING FLOOR PLAN
GRAVITY PIPING

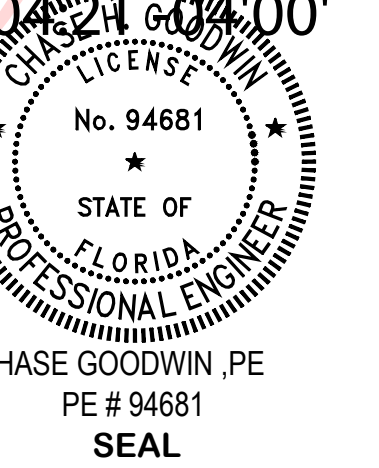
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Goodwin
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DISCUSSION

	REASON	DATE

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IGN TEAM
CEA

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ET TITLE

SHEET NAME

PLUMBING FLOOR PLAN

PRESSURE PIPING

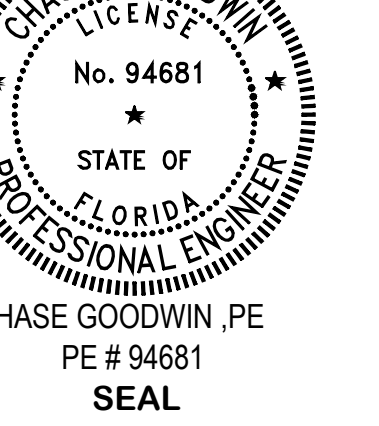
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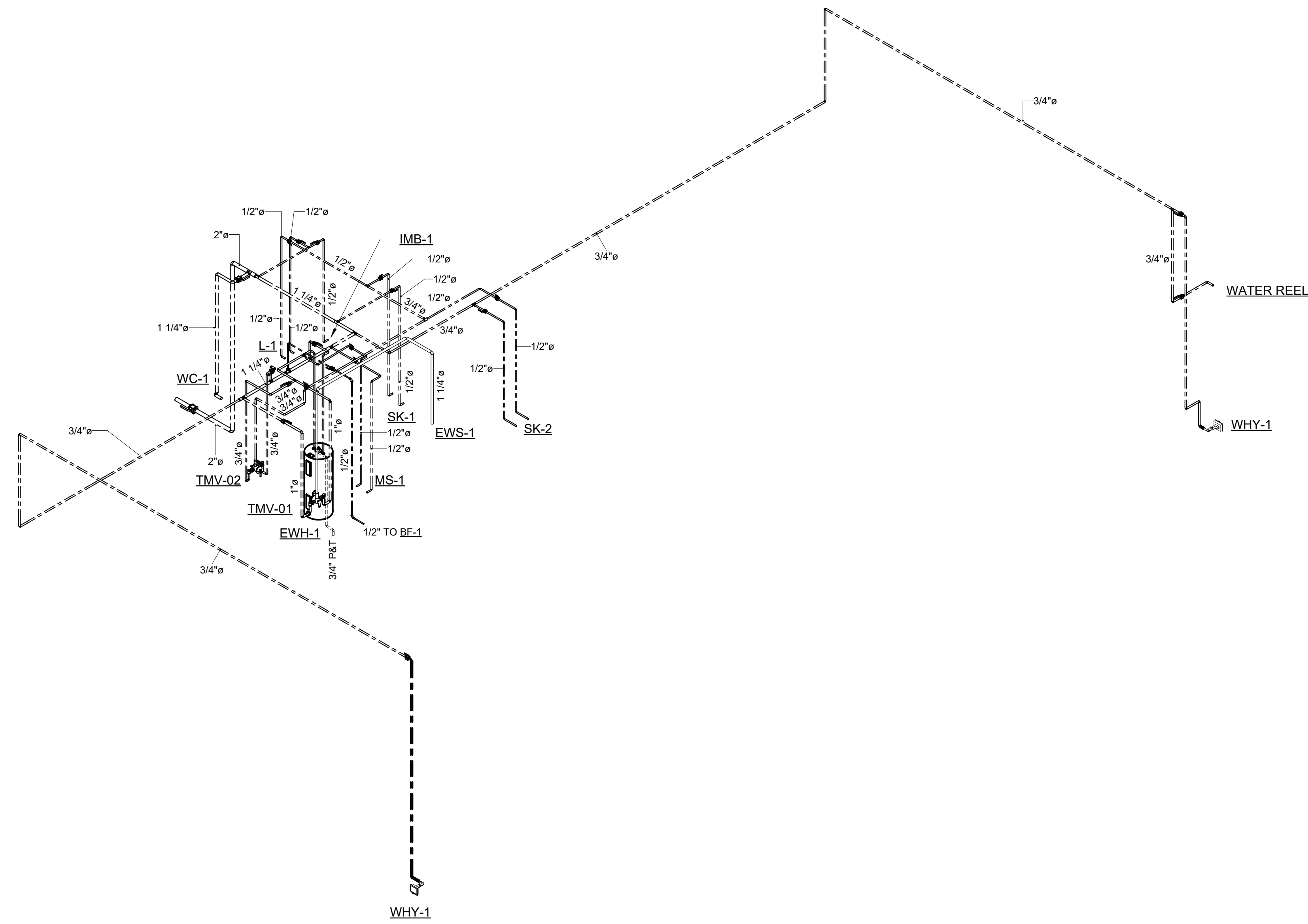
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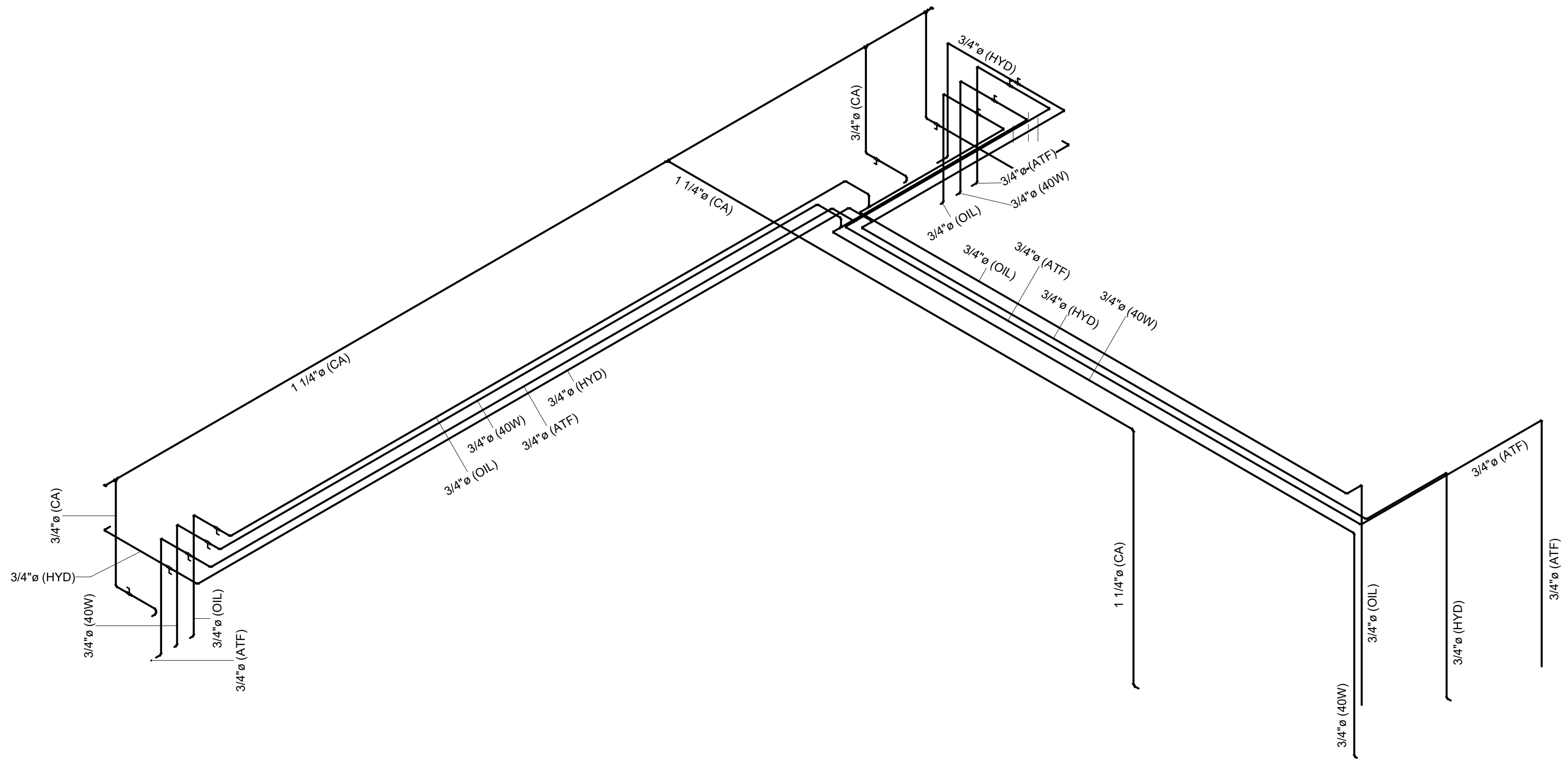
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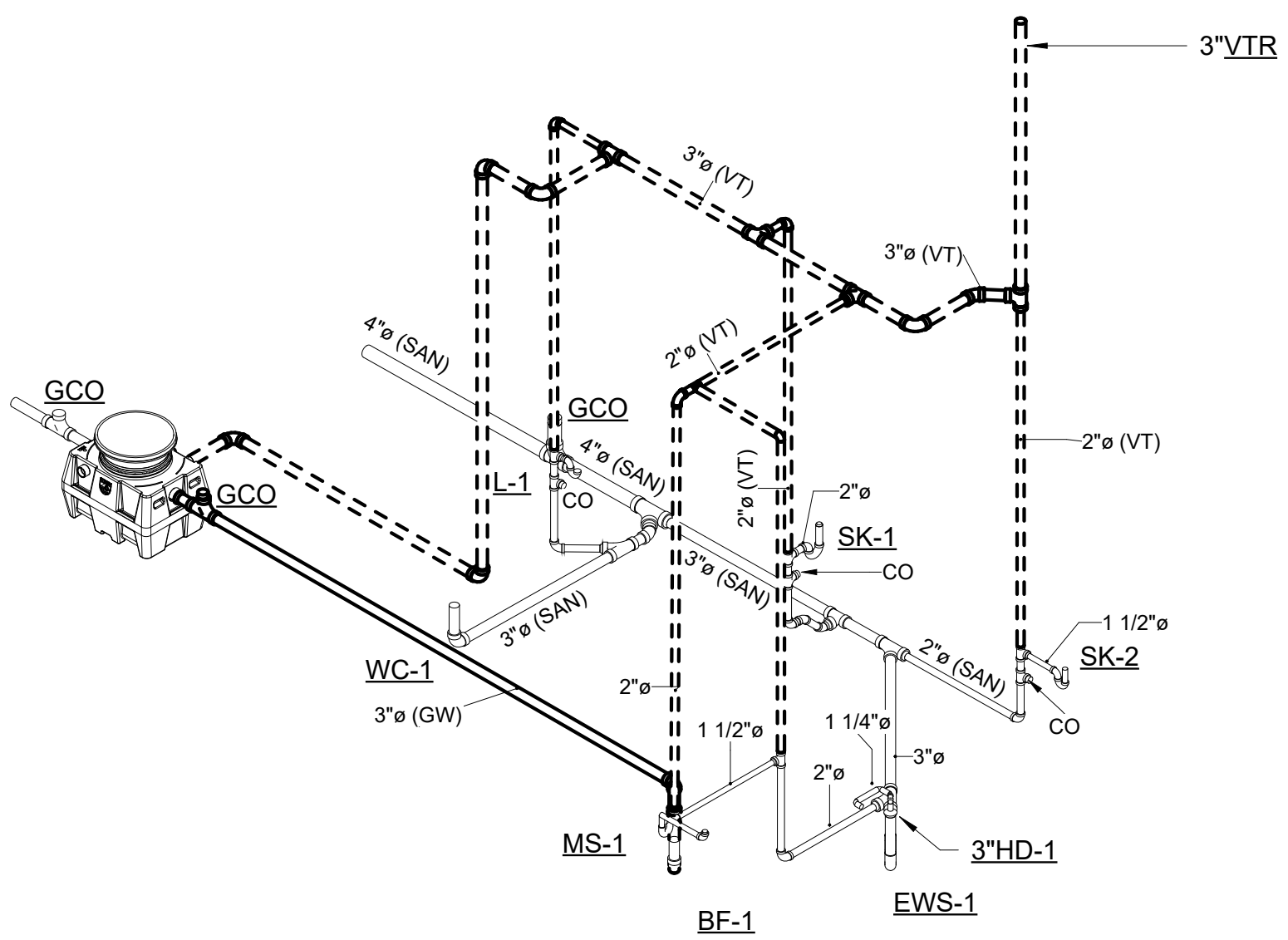
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1 DOMESTIC WATER RISER



③ HOSE REEL RISER



2 SANITARY RISER