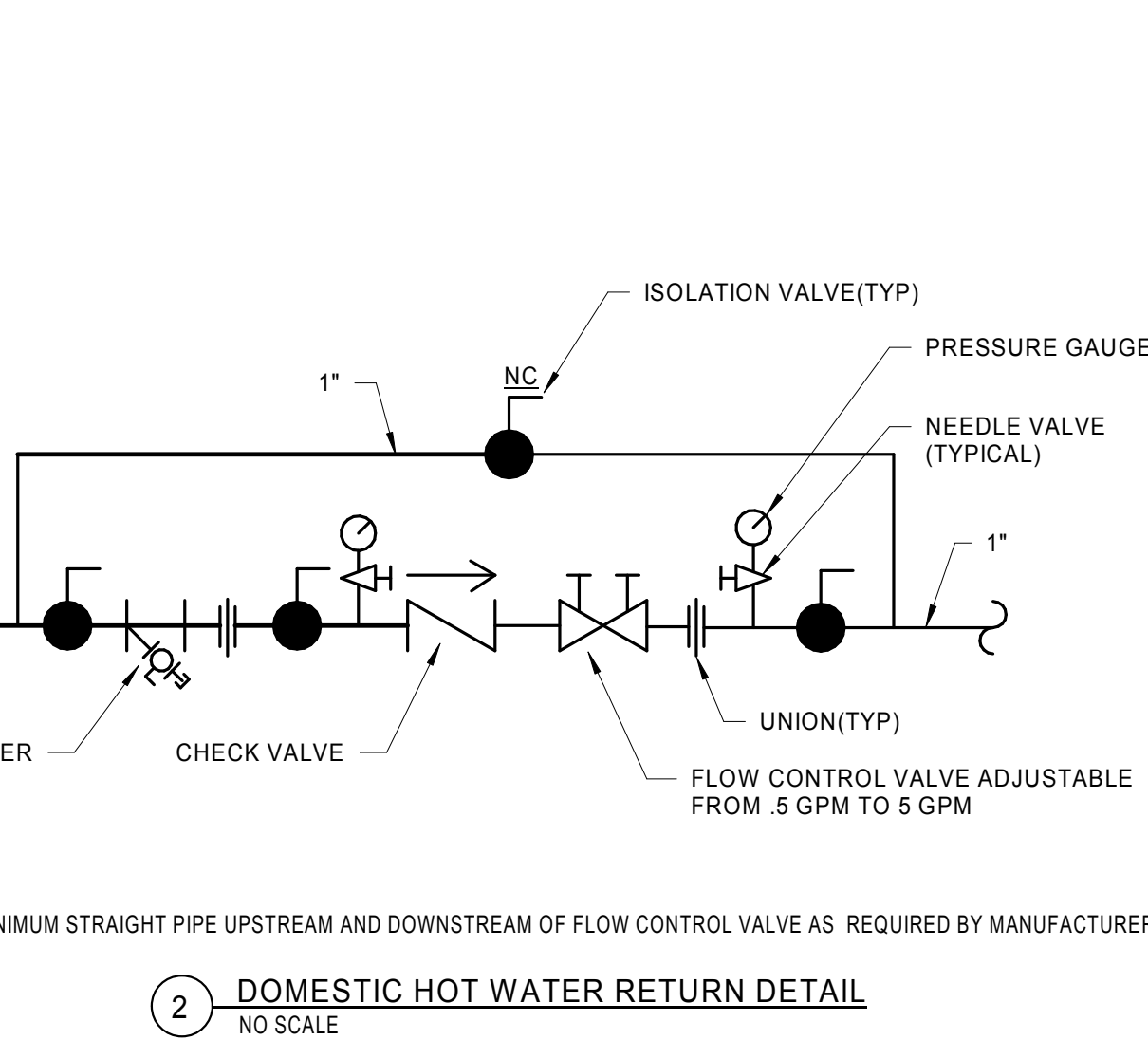
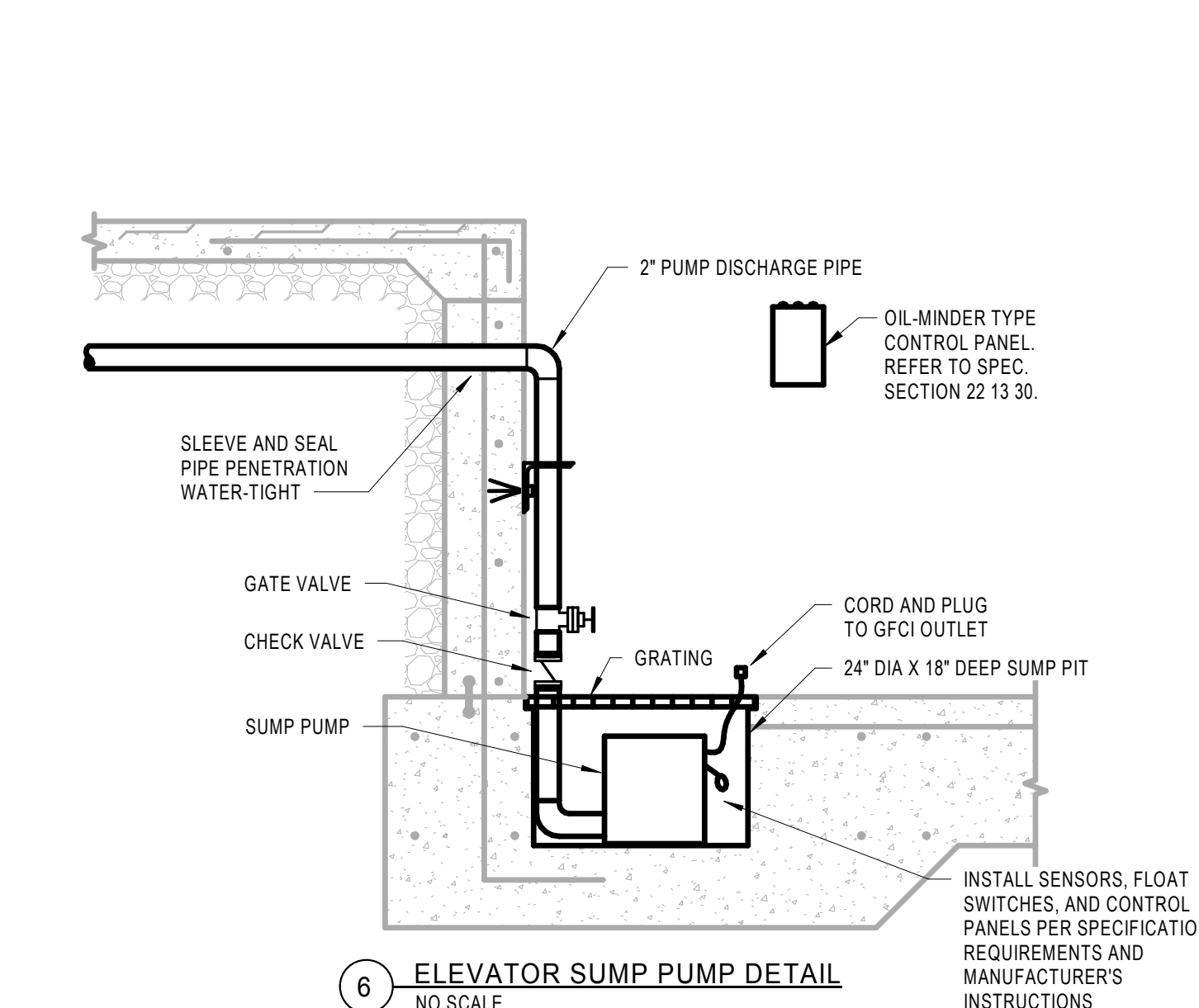
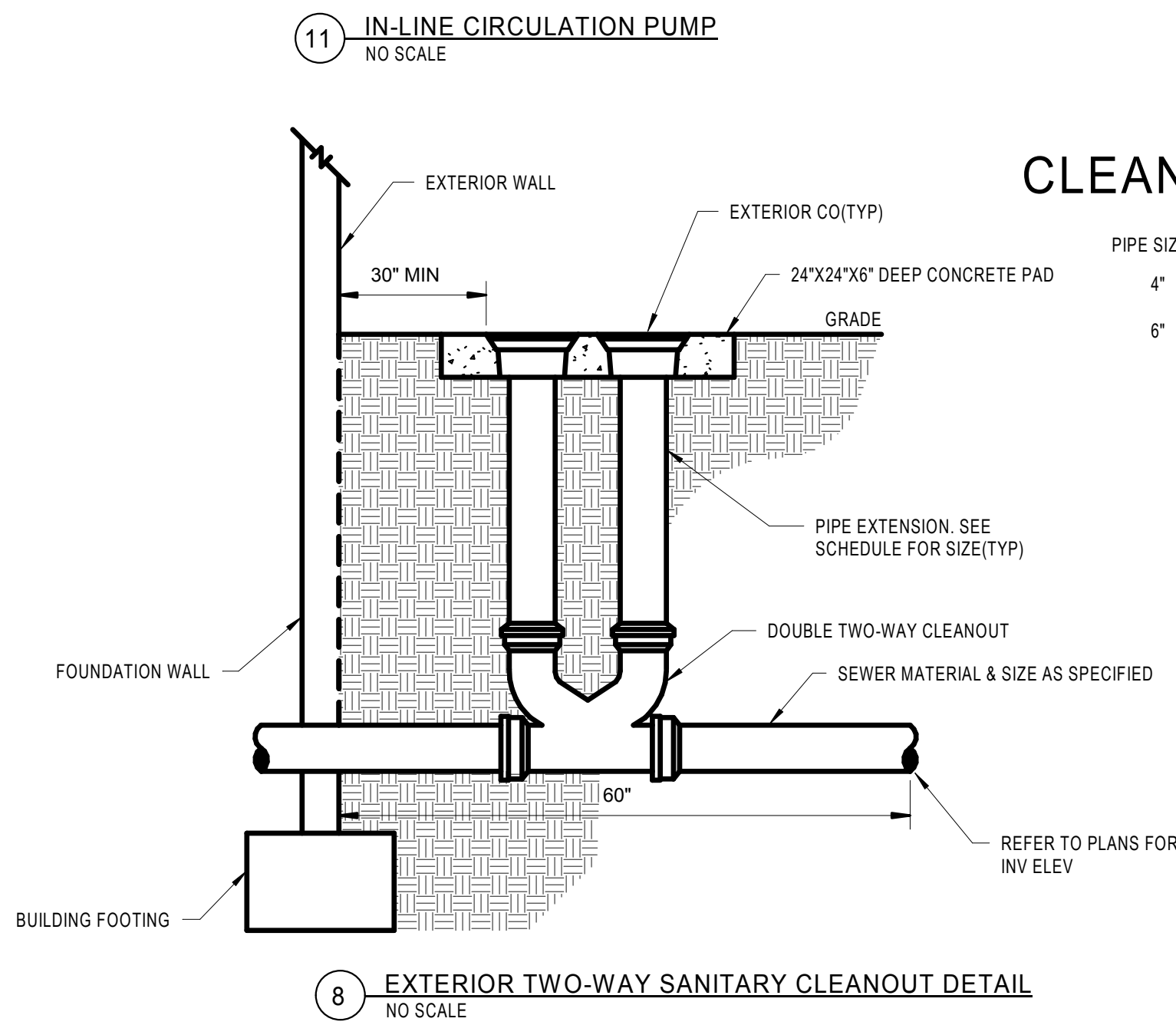
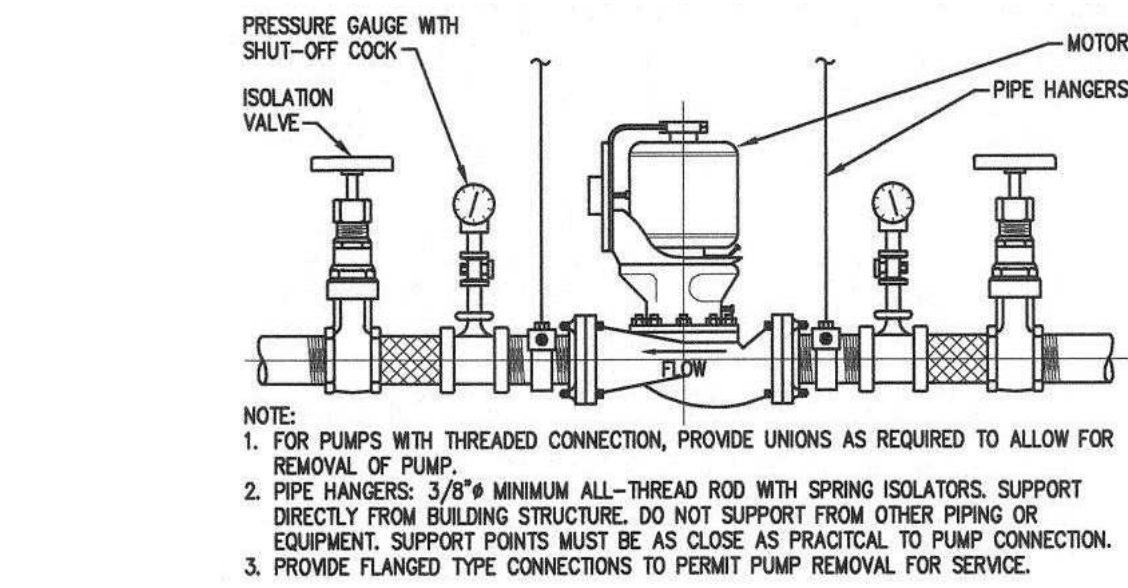
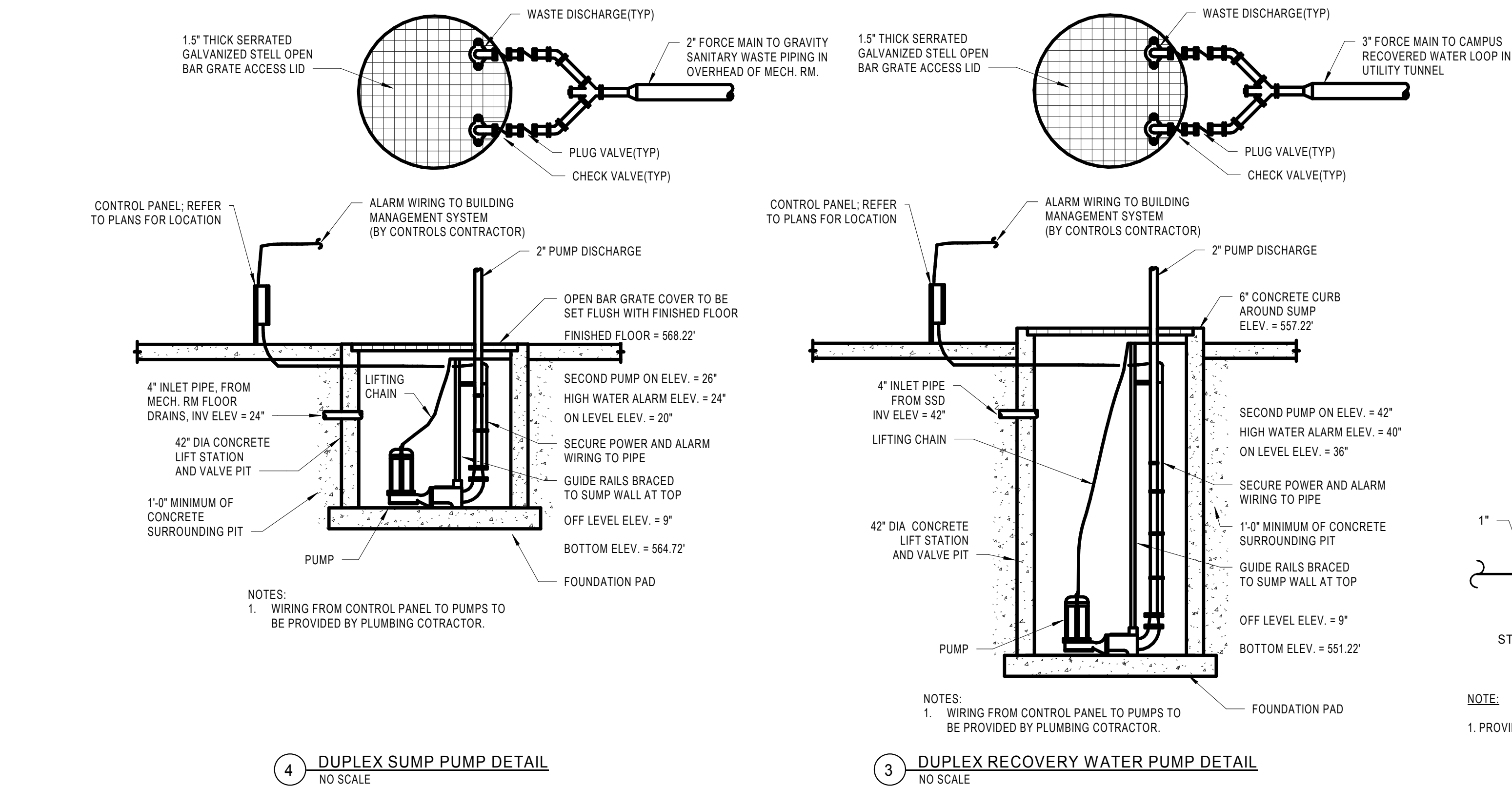
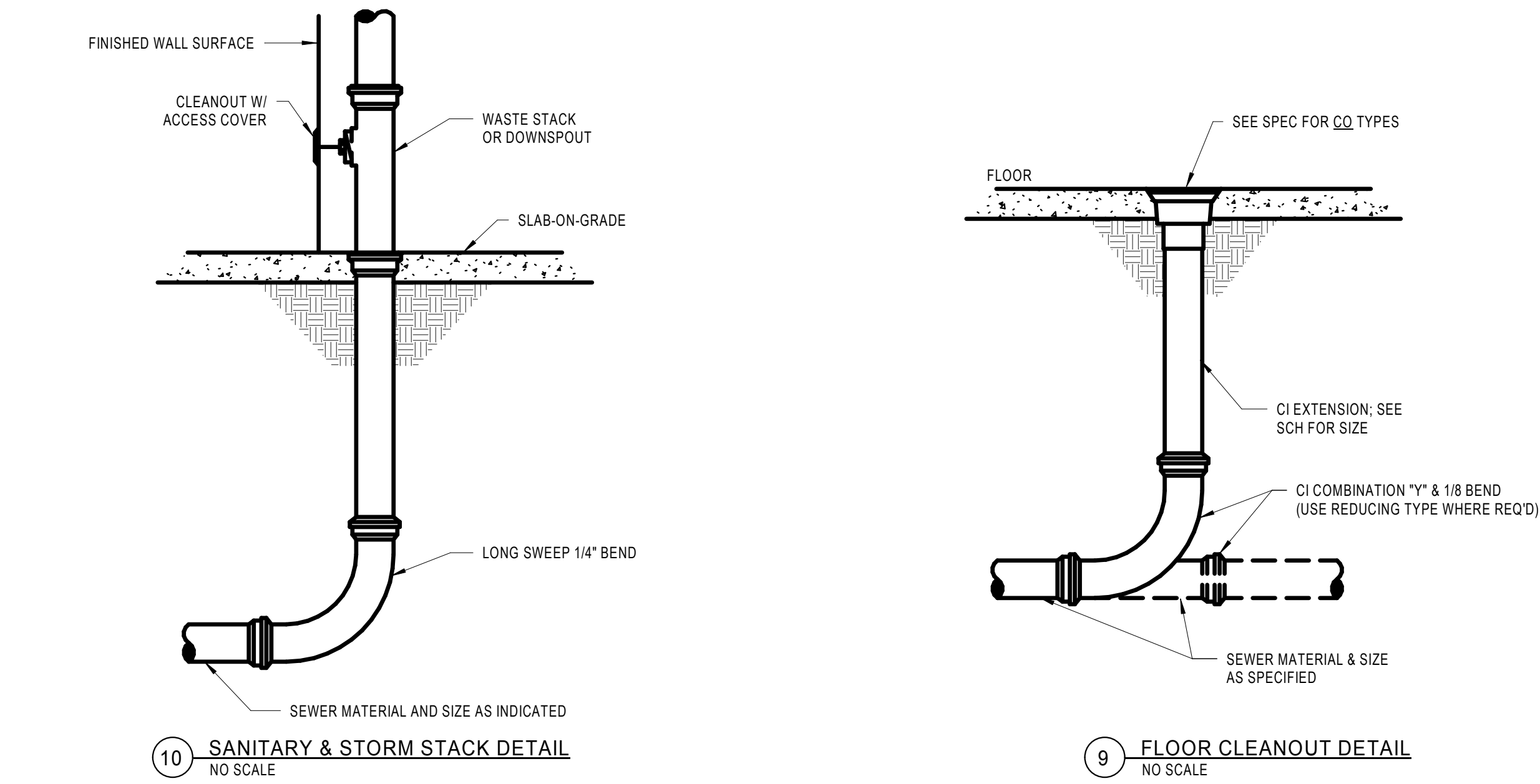
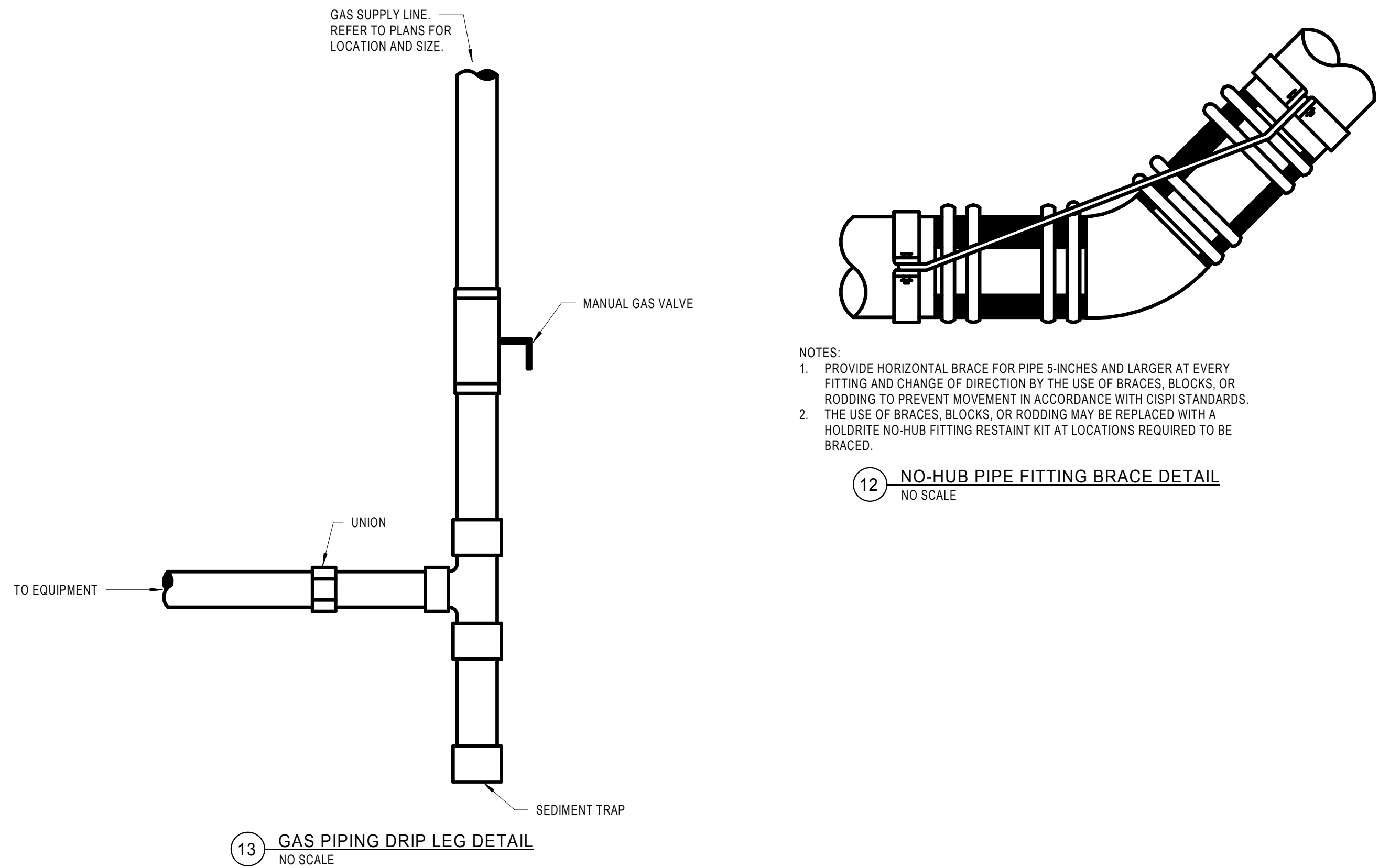


PLUMBING EQUIPMENT SCHEDULE														
EQUIPMENT DESIGNATION	EQUIPMENT NAME	MANUFACTURER	MODEL	LOCATION	RATED CAPACITY	BUILDING AUTOMATION	CONNECTIONS		ELECTRICAL LOAD				NOTES	
							INLET	OUTLET	KW	HP	VOLTS	PHASE		EMERGENCY POWER
ESP-1	ELEVATOR SUMP PUMP	STANCOR	SE-50	ELEVATOR SHAFT	50 GPM @ 22 TDH	Yes		2"		1/2	120	1	Yes	OIL/WATER DETECTION SYSTEM WITH ALARM MONITORING.
ET-1	EXPANSION TANK	ELBI OF AMERICA	DTS-45	MECH 1.500	12 GALLON ACCEPTANCE VOLUME	No	1"	0"					No	
ETP-1	ELECTRONIC TRAP PRIMER	MIFAB	MI-100-05-SM	MECH 2,500.06	0	No	1/2"	3/8"			120	1	No	SURFACE MOUNTED
EWH-1	ELECTRIC WATER HEATER 1	RHEEM	EG120-9-G	MECH 1.500	62 GPH @ 60°F RISE	Yes	1 1/2"	1 1/2"	9		208	3	No	SET STORAGE TEMP. AT 140°F. ROUTE T&P RELIEF VALVE DISCHARGE TO FLOOR DRAIN.
EWH-2	ELECTRIC WATER HEATER 2	RHEEM	EG120-9-G	MECH 1.500	62 GPH @ 60°F RISE	Yes	1 1/2"	1 1/2"	9		208	3	No	SET STORAGE TEMP. AT 140°F. ROUTE T&P RELIEF VALVE DISCHARGE TO FLOOR DRAIN.
HWCP-1	DOMESTIC HOT WATER RECIRC PUMP	BELL & GOSSETT	PL-55	MECH 1.500	10 GPM @ 45 TDH	Yes	1/2"	1/2"		2/5	120	1	No	
RWP-1	RECOVERY WATER SUMP 1	EBARA	50DSU83.74-QDC	MECH 1.500	65 GPM @ 102 TDH	Yes	0"	2"		5	460	3	No	
RWP-2	RECOVERY WATER SUMP 2	EBARA	50DSU83.74-QDC	MECH 1.500	65 GPM @ 102 TDH	Yes	0"	2"		5	460	3	No	
SP-1	SUMP PUMP 1	ZOELLER	G163	MECH 1.500	30 GPM @ 50' TDH	Yes	0"	2"		1/2	460	3	No	
SP-2	SUMP PUMP 2	ZOELLER	G163	MECH 1.500	30 GPM @ 50' TDH	Yes	0"	2"		1/2	460	3	No	
TMV-1	THERMOSTATIC MIXING VALVE	LAWLER	801	MECH 1.500	25 GPM @ 10 PSI PD	No	3/4"	1"					No	ASSE 1017 COMPLIANT. MASTER THERMOSTATIC MIXING VALVE.
TMV-2	EMERGENCY MIXING VALVE	LAWLER	911-E/F	MECH 1.500	3 GPM @ 10 PSI P.D.	No	1/2"	1/2"					No	ASSE 1071 COMPLIANT EMERGENCY THERMOSTATIC MIXING VALVE TO DELIVER 85°F TEPID WATER TO EMERGENCY EYEWASH. MOUNT INSIDE OF CACSEWORK AT EACH SINK LOCATION WITH EEW-1.

PLUMBING FIXTURE SCHEDULE								
FIXTURE DESIGNATION	QUANTITY	GPM/GPF	CONNECTIONS					REMARKS
			CW	HW	TW	VENT	WASTE	
EEW-1	2				1/2"			
EW-C1	1		1/2"				1 1/4"	1 1/4"
HB-1	1		3/4"					
LAV-1	9	0.50 GPM	3/4"	3/4"		2"	2"	1 1/4"
SK-1	3	1.00 GPM	3/4"	3/4"		2"	2"	1 1/2"
SK-2	4	1.00 GPM	3/4"	3/4"		2"	2"	1 1/2"
SK-3	1	1.00 GPM	3/4"	3/4"		2"	2"	1 1/2"
SM-1	1	1.50 GPM	3/4"	3/4"		2"	2"	
WC-1	8	1.25 GPM	1 1/4"			2"	4"	
WH-1	2		3/4"					PROVIDE CARRIER SUITABLE FOR FIXTURE

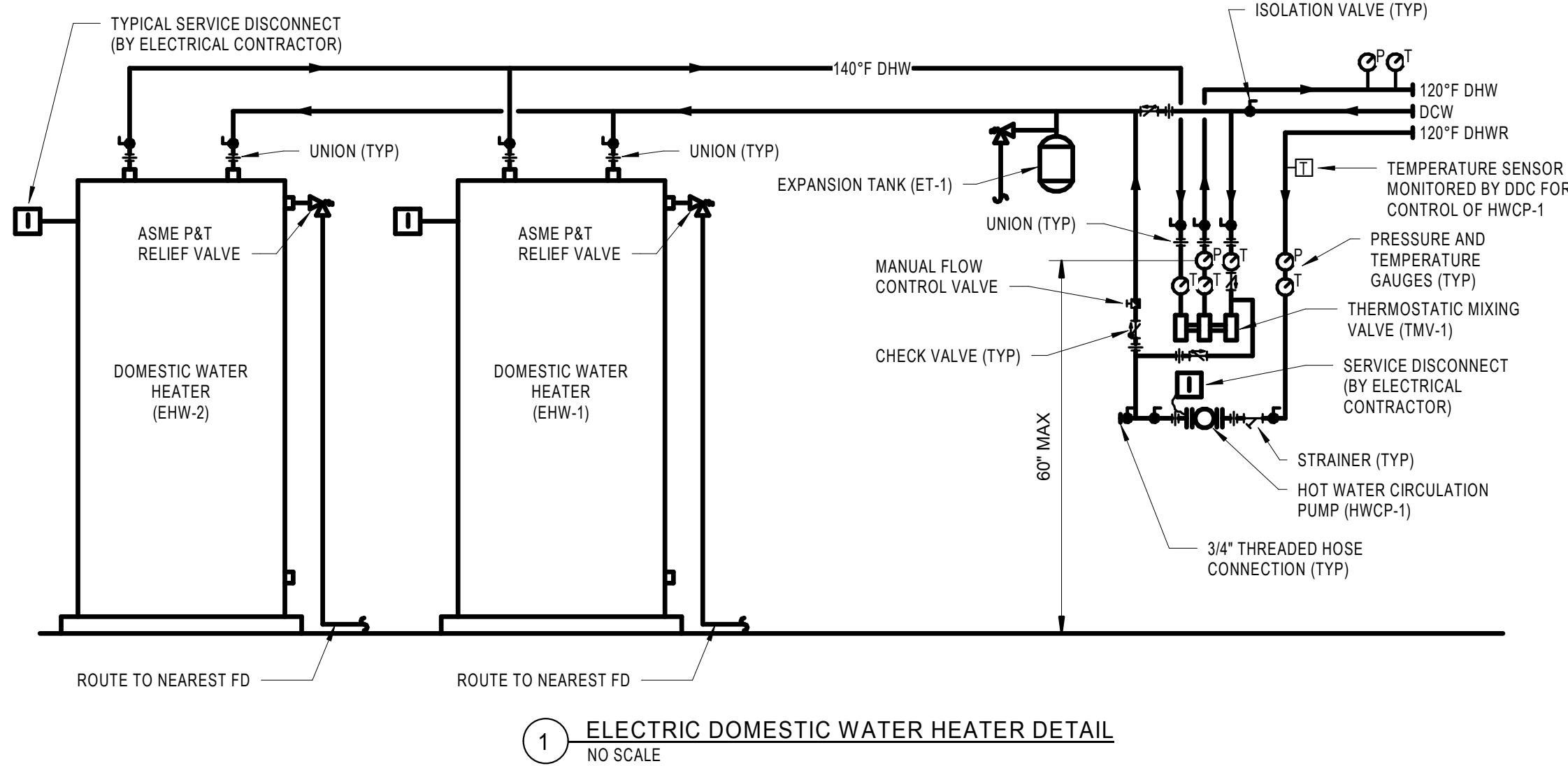
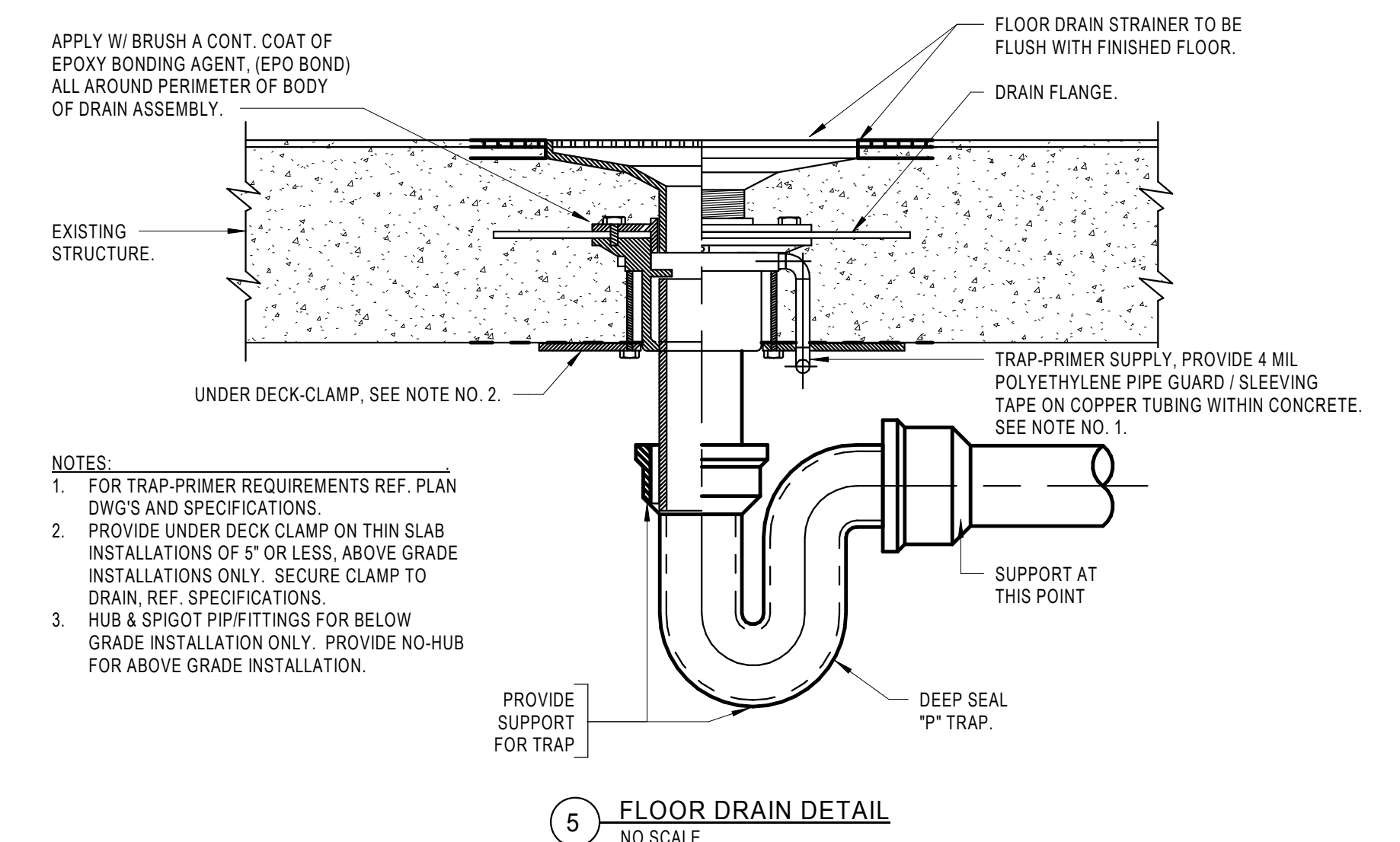
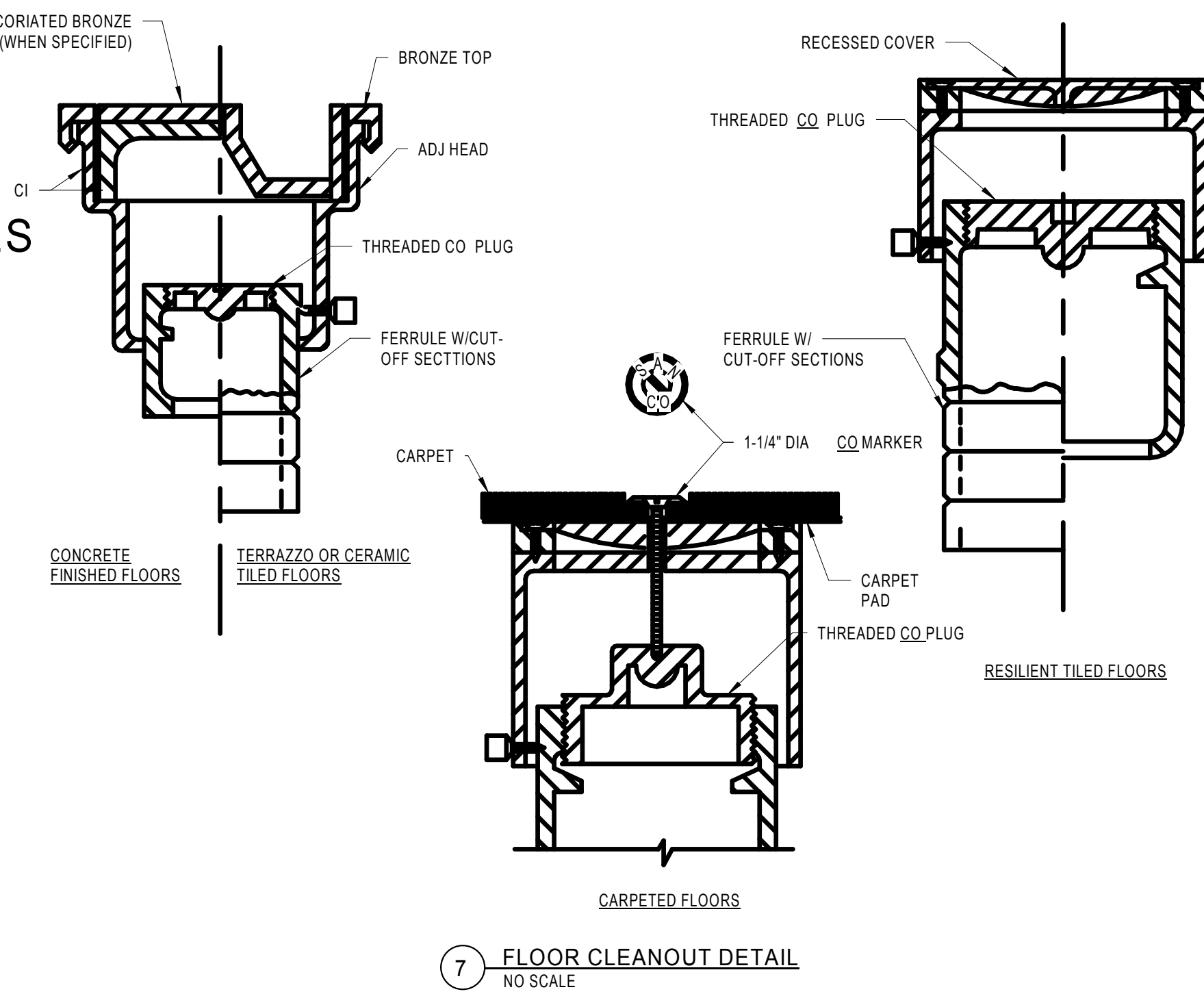
BACKFLOW PREVENTER SCHEDULE								
EQUIPMENT DESIGNATION	RATED CAPACITY		SIZE	LOCATION	SERVICE	MANUFACTURER	MODEL	NOTES
	FLOW	PRESSURE DROP						
	10 GPM	12.00 psi						
RPZ-1	10 GPM	12.00 psi	3/4"	MECH 1.500	MECH MAKE-UP	WATTS	LF9090T-S	

PLUMBING DRAIN SCHEDULE					
DRAIN DESIGNATION	QUANTITY	CONNECTIONS			NOTES
		VENT/WET VENT	WASTE/STORM		
2"FD-1	8	2"	2"		
3"FD-1	2	2"	3"		
4"FD-2	5	2"	4"		SET TOP OF EXTENDED RIM DRAIN FLUSH WITH FINISHED FLOOR.
5"SD-1	2		3"		
3"RD-1 & 2"OD-1	1	3/4"	2"		
4"RD-1 & 4"OD-1	2	1 1/4"	4"		
6"RD-1 & 6"OD-1	1		6"		



CLEANOUT SIZES

PIPE SIZE	CLEANOUT SIZE
4"	4"
6"	6"



BSA
BSA LifeStructures
2700 Via Fortuna, Suite 400
Austin, TX 78746
ph 512.531.9075 fx 866.990.3272
www.bsallifestructures.com
Architectural Registration Number - BR-1590
Engineering Registration Number - F-7421

TEXAS
The University of Texas at Austin

SpanGlass CONSTRUCTION MANAGER | SPAWGLASS
1111 Smith Road | Austin, TX 78721
ph. 512.719.5251

garza CIVIL | GARZA
7708 Riata Blvd., Suite 125 | Austin, TX 78735
ph. 512.298.3284

M STRUCTURAL | MARTINEZ MOORE
221 W. 6th St., Suite 800 | Austin, TX 78701
ph. 512.476.2099

OK LANDSCAPE ARCH. | COLEMAN & ASSOCIATES
9890 Silver Mountain Dr. | Austin, TX 78737
ph. 512.476.2099

CODE + FIRE PROTECTION | JENSEN & HUGHES
505 E. Huntland Dr., Suite 501 | Austin, TX 78752
ph. 512.792.3900

ACOUSTICS + VIBRATION | DICKENSHEETS DESIGN
19919 Conchoes Trl., Suite 100 | Austin, TX 78726
ph. 512.331.8977

SEAY BUILDING ADDITION
CLIENT PROJECT NO. - CPC 102-1219

CONSTRUCTION DOCUMENTS

MARK	DATE	DESCRIPTION
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PRISCILLA A. SAGER
10-31-2019

PLUMBING SCHEDULES AND DETAILS

DATE	OCT 31, 2019
BSALS PROJECT NO.	15630011

P800



Medical and Lavatory Faucets

B-2866-QT-VF05
EasyInstall
Concealed Widespread Lavatory Faucet

Architect/Engineering Specifications:

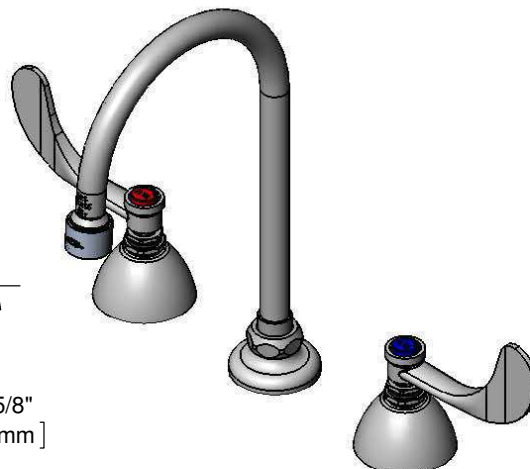
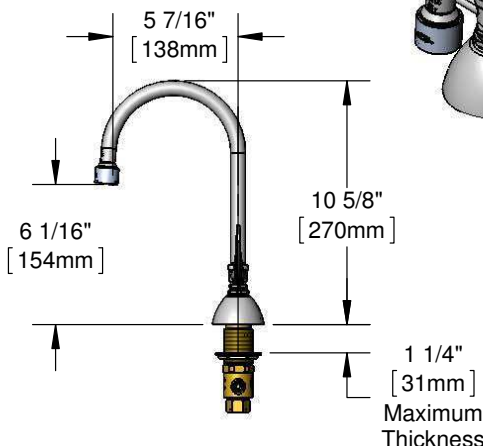
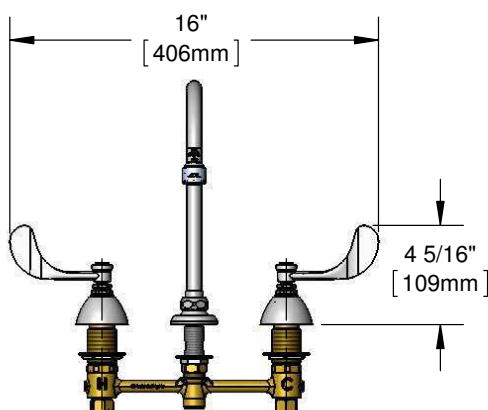
8" concealed deck mount mixing faucet with forged brass body, swivel gooseneck with **0.5 GPM** vandal resistant non-aerated, compression cartridges, 4" wrist action handles, polished chrome plated escutcheons and 1/2" NPSM male inlets with coupling nuts. Certified to ASME A112.18.1/CSA B125.1, NSF 61-Section 9 and NSF 372. Meets ADA ANSI/ICC A117.1 requirements.

Job Name _____

Model Specified _____ Quantity _____

Variations Specified _____

Date _____



Features & Benefits:

- 8" EasyInstall concealed deck mount mixing faucet w/ forged brass body
- 5 3/4" swivel gooseneck w/ swivel-to-rigid washer to convert swivel gooseneck to rigid
- 0.5 GPM vandal resistant non-aerated, Series 7 (B-0199-07-N05)
- Quarter-turn Eterna compression cartridges
- 4" wrist action handles w/ color coded indexes
- 1/2" NPSM male inlets w/ coupling nuts
- Material: Forged brass body, polished chrome plated brass tubular spout and chrome plated metal handles

Product Compliance:

- ASME A112.18.1 / CSA B125.1
- NSF 61 - Section 9
- NSF 372 (Low Lead Content)
- ANSI A117.1 (ADA)


Warranty: One Year (Limited)

Performance Data:

- Pressure: 20 - 125 psi
- Temperature: 40 °F - 140 °F
- Flow Rate: 0.5 GPM @ 60 psi



Optional Outlets (Series 2 / VR Series 7)

GPM	Aerated	Non-Aerated (Laminar)	VR Aerated	VR Non-Aerated (VR Laminar)
0.35	N/A	<input type="checkbox"/> B-0199-02-N035	N/A	<input type="checkbox"/> B-0199-07-N035
0.5	N/A	<input type="checkbox"/> B-0199-02-N05	N/A	Standard
1.0	<input type="checkbox"/> B-0199-02-F10	N/A	<input type="checkbox"/> B-0199-07-F10	N/A
1.2	<input type="checkbox"/> B-0199-02-F12	N/A	<input type="checkbox"/> B-0199-07-F12	N/A
1.5	<input type="checkbox"/> B-0199-02-WS	N/A	<input type="checkbox"/> B-0199-07-WS	N/A
2.2	<input type="checkbox"/> B-0199-02	N/A	<input type="checkbox"/> B-0199-07	N/A

Optional Handles

- ☐ 4" Wrist Action (Standard)
- ☐ Lever
- ☐ 4-Arm

Optional Cartridges

- ☐ Quarter-Turn Cerama
- ☐ Eterna
- ☐ Quarter-Turn Eterna (Standard)
- ☐ Push Button Metering
- ☐ Pivot Action Metering
- ☐ Wrist Action Metering


T&S BRASS AND BRONZE WORKS, INC.


• 2 Saddleback Cove • Travelers Rest, SC 29690
 Ph 800-476-4103 • Fax 864-834-3518
 • Simi Valley, CA • Ph 800-423-0150 • www.tsbrass.com

Date: 11/21/16

Accessories & Parts

152-LADCP

Product Type

Auto-drain hose assembly 1.5 GPM, with 24" ADA grab bar

Features & Specifications

- 24" wall-mounted ADA grab bar with hand spray holder
- Includes WaterSense certified 1.5 GPM hand spray with pause control, two 34" stainless steel hoses with automatic hose drain
- Polished chrome finish
- 1.5 GPM (5.7 L/min)




Performance Specifications

- Rated Operating Pressure: 20-125 PSI
- Rated Operating Temperature: 40-120°F (Note: 180°F max. during temporary high-temperature system flush)

Warranty

- 5-Year Limited Cartridge Warranty
- Lifetime Limited Faucet Warranty
- 1-Year Limited Finish Warranty

Codes & Standards

-  ADA ANSI/ICC A117.1
- 
-  Certified to WaterSense by ICC-ES

Job Name _____

Item Number _____

Section/Tag _____

Model Specified _____

Architect _____

Engineer _____

Contractor _____

☐ Submitted as Shown

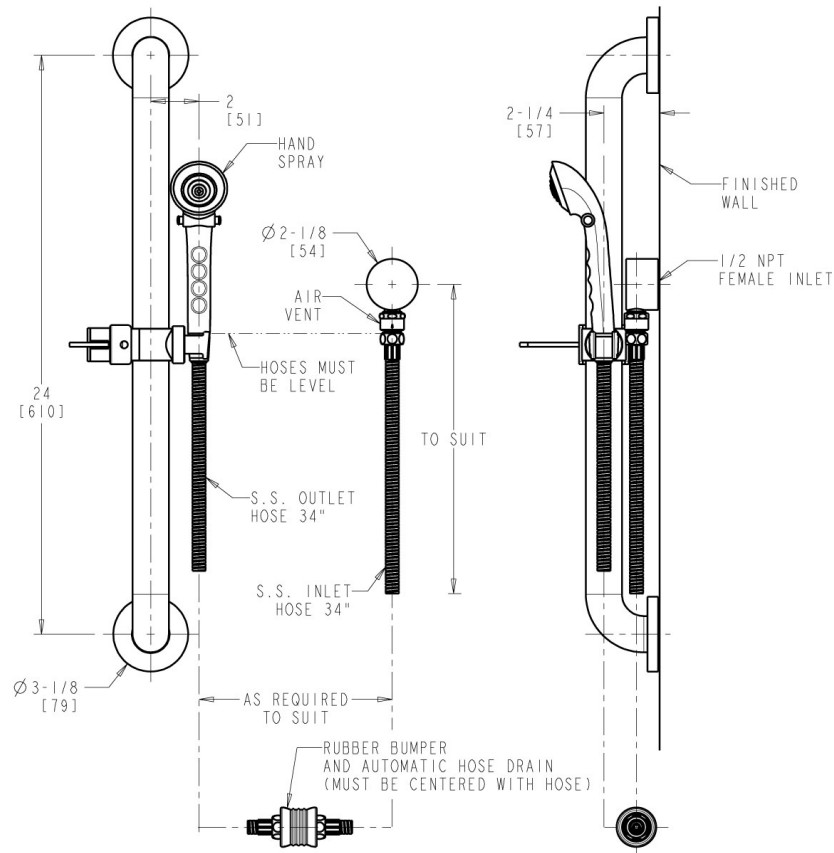
☐ Submitted with Variations

Date _____



Architect/Engineer Specification

Chicago Faucets No. 152-LADCP, Automatic Drain hose assembly, 1.5 GPM (5.7 L/min) hand spray with pause control; two 34" stainless steel hoses with automatic hose drain and 24" wall-mounted ADA grab bar with hand spray holder. This product meets ADA ANSI/ICC A117.1 requirements.



Operation and Maintenance

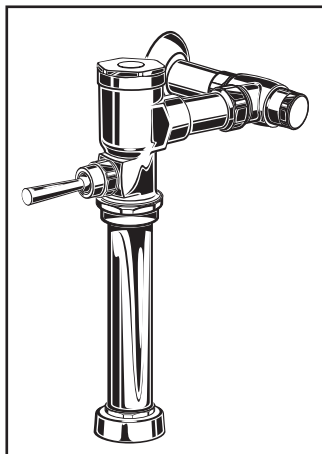
Installation should be in accordance with local plumbing codes. Flush all pipes thoroughly before installation. After installation, remove spout outlet or flow control and flush faucet thoroughly to clear any debris. Care should be taken when cleaning the product. Do not use abrasive cleaners, chemicals or solvents as they can result in surface damage. Use mild soap and warm water for cleaning and protecting the life of Chicago Faucet products. For specific operation and maintenance refer to the installation instructions and repair parts documents that are located at www.chicagofaucets.com.

Chicago Faucets, member of the Geberit Group, is the leading brand of commercial faucets and fittings in the United States, offering a complete range of products for schools, laboratories, hospitals, office buildings, food service, airports and sport facilities. Call 1.800.TECTRUE or 1.847.803.5000 Option 1 for installation or other technical assistance.





Ultima Manual Toilet Flush Valve Piston-Type



GENERAL DESCRIPTION:

Manual Piston-Type Water Closet Flush Valve for floor-mounted or wall-hung 1-1/2" top spud bowls.

INCLUDES:

- 1" I.P.S. angle stop with back-flow prevention and vandal-resistant cap
- Sweat solder kit including cover tube and wall flange
- High back pressure vacuum breaker with down tube
- Spud coupling & flange for 1-1/2" top spud

PRODUCT FEATURES:

- Self-cleaning brass piston with integral wiper spring prevents clogging and reduces maintenance
- Piston operation delivers superior flush accuracy and repeatability
- Piston valve remains closed and does not need to be reset after loss of water pressure
- Non-hold open handle provides automatic shut-off after every flush
- Fail-Safe Operation: Valve automatically closes and does not need to be reset, on loss of water pressure
- Positive seal ensures leak-free performance
- No external volume adjustment
- Durable chrome-plated cast brass construction is ideal for commercial applications
- Chemical-resistant EPDM seals for long life
- Adjustable tailpiece for rough-in flexibility
- Can be installed left or right handed
- ADA complaint

MODEL NUMBER:



☐ **6047111.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.1 gpf / 4.2 Lpf



☒ **6047121.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.28 gpf / 4.8 Lpf

☐ **6047161.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.6 gpf / 6.0 Lpf

OPERATING PRESSURE:

25 psi (flowing)-80 psi (static)

FLOW REQUIREMENT:

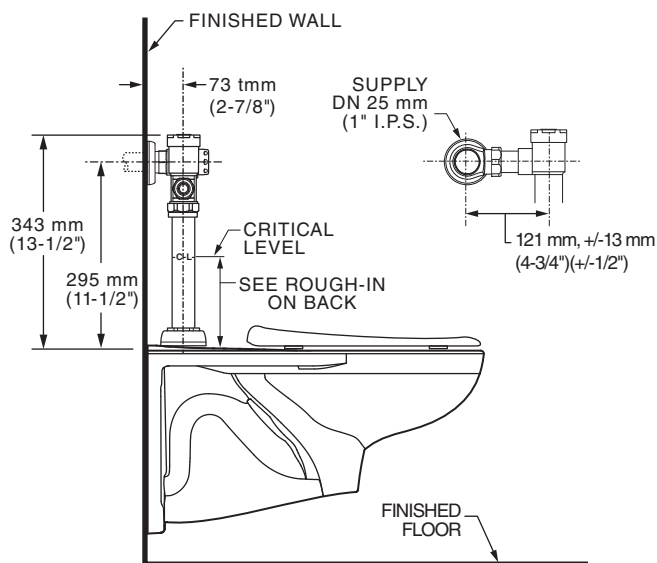
25gpm (94.6 L/min.)

MaP* Score

- 1,000 grams of miso @ 1.1 gpf (when used with an American Standard AFWall Millenium or Madera universal flushometer bowl)

*Maximum Performance (MaP) testing performed by IAPMO R&T Lab. MaP Report conducted by Veritec Consulting, Inc. and Koeller and Company.

TYPICAL WATER CLOSET INSTALLATION: AFWALL™ TOILET SHOWN



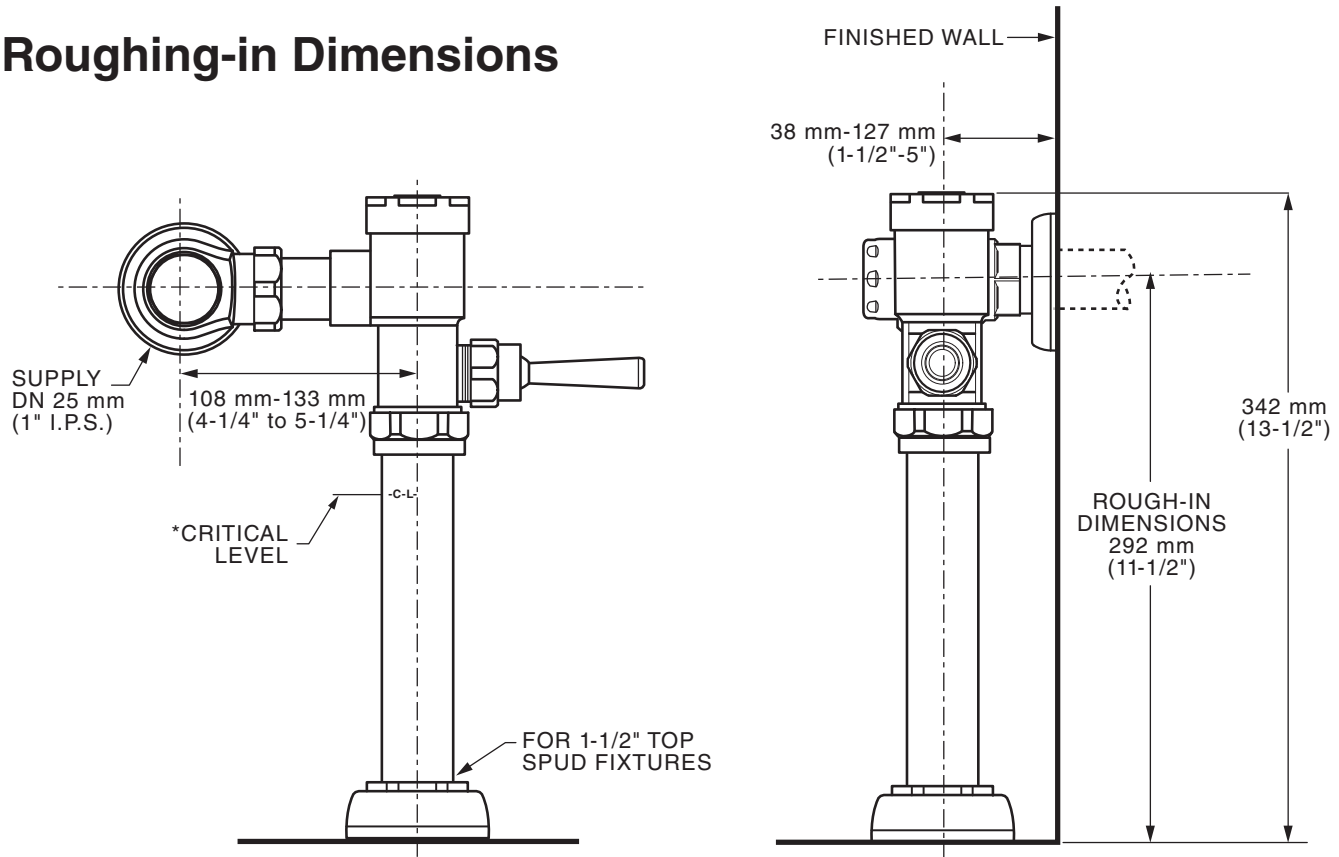
RECOMMENDED SPECIFICATION:

Manual toilet flush valve shall feature self-cleaning brass piston valve with integral wiper spring in refill orifice to prevent clogging. Valve remains closed and does not need to be reset after loss of water pressure. Includes cast brass valve body and cover with chrome finish and vandal resistant stop cap. Includes sweat solder kit with wall flange and cover tube. High back pressure vacuum breaker and angle stop with back-flow protection and vacuum breaker included. 1.1 gpf / 1.28 gpf / 1.6 gpf Flush valve shall be American Standard Model # 6047____.002.

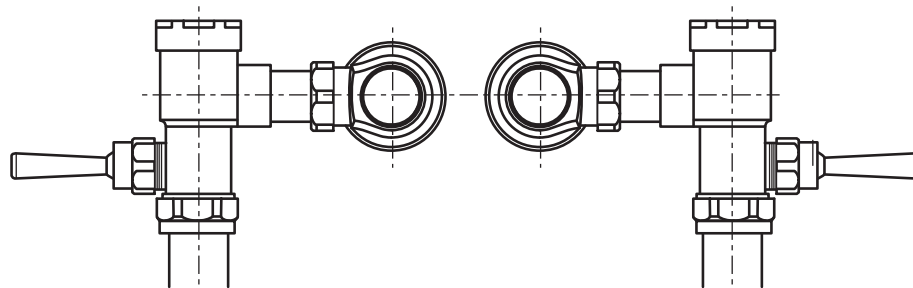
LISTINGS:

- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

Roughing-in Dimensions



*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be a minimum of 6" (152 mm) above fixture. Consult Codes for details.



Left or Right Hand Installation