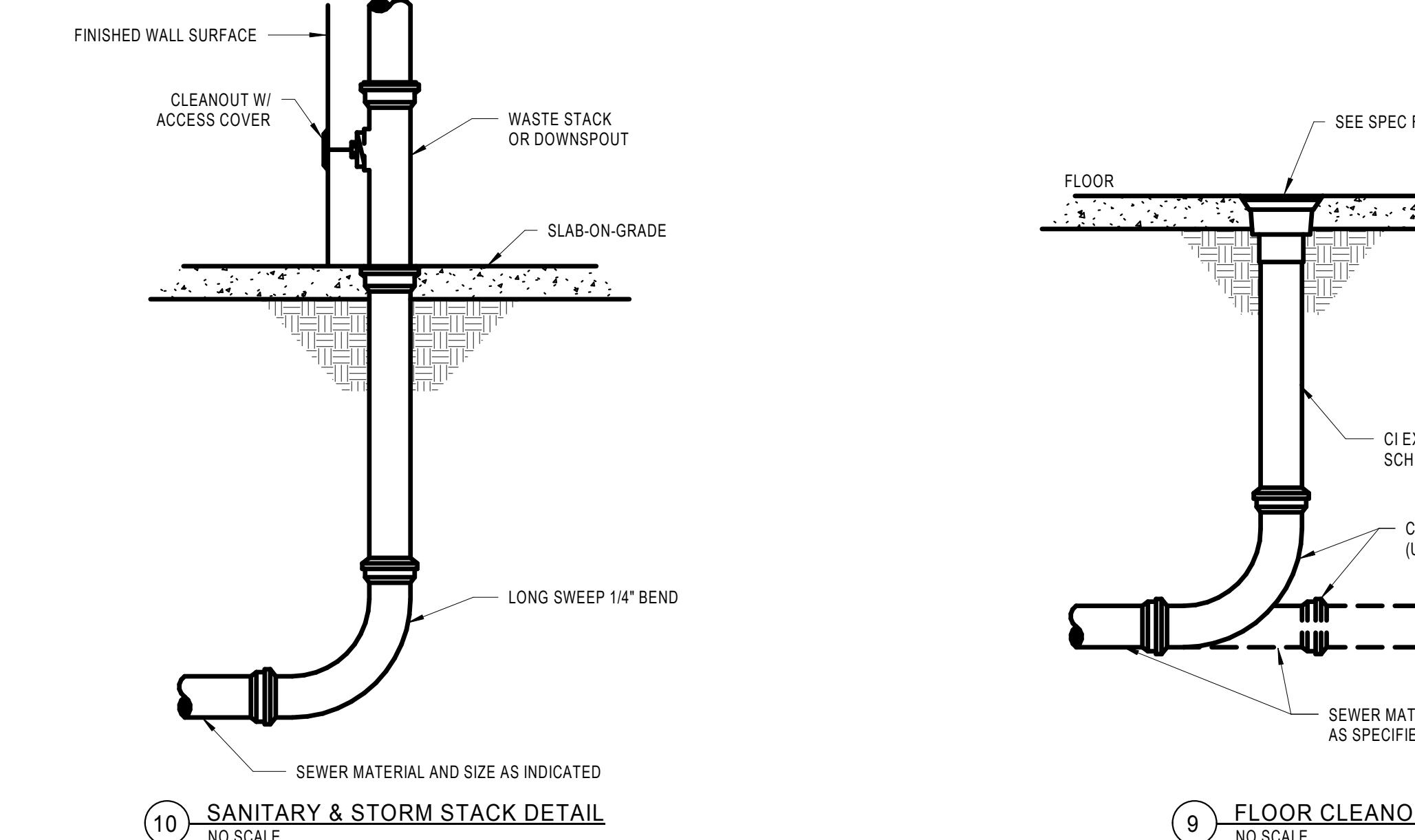
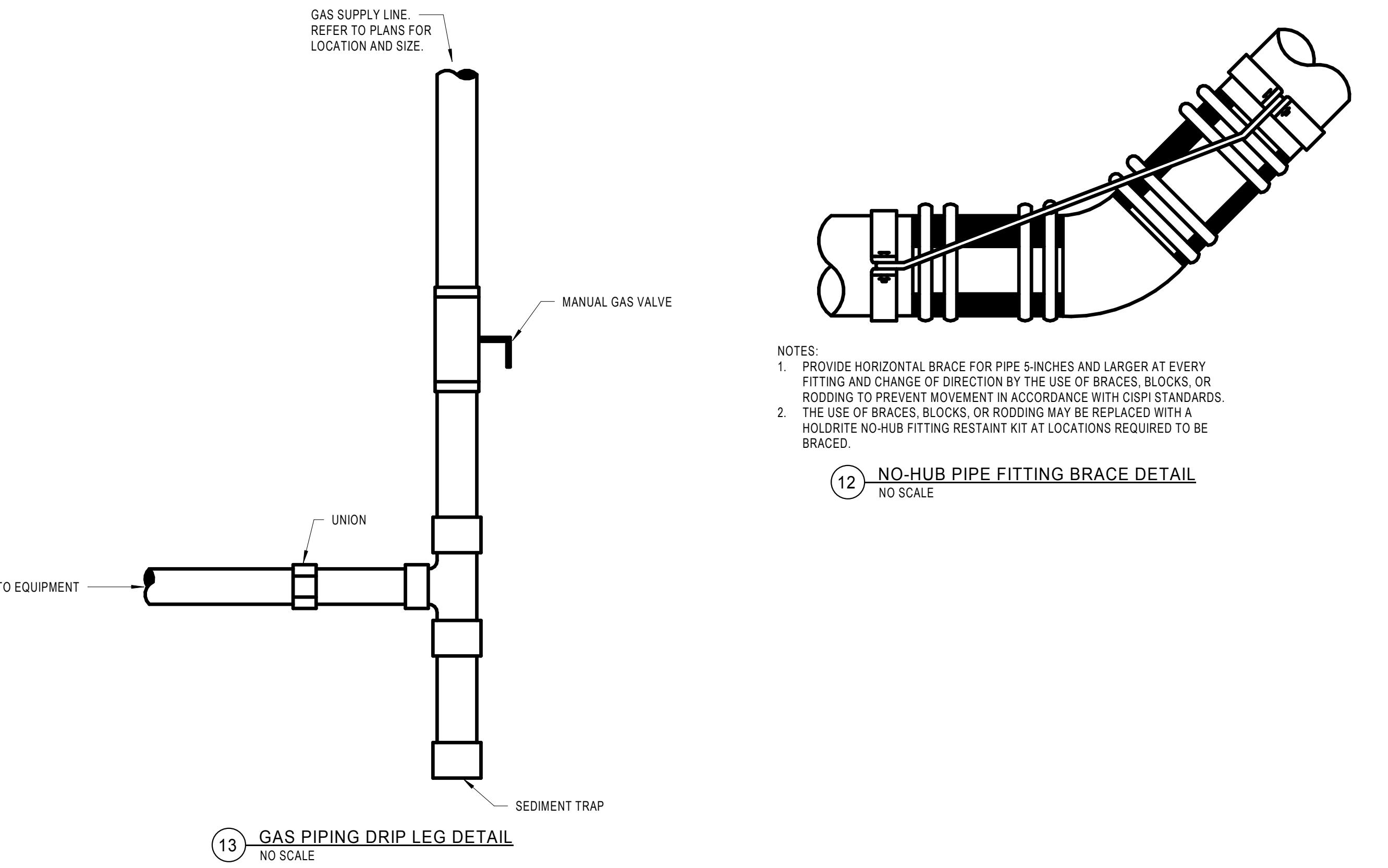
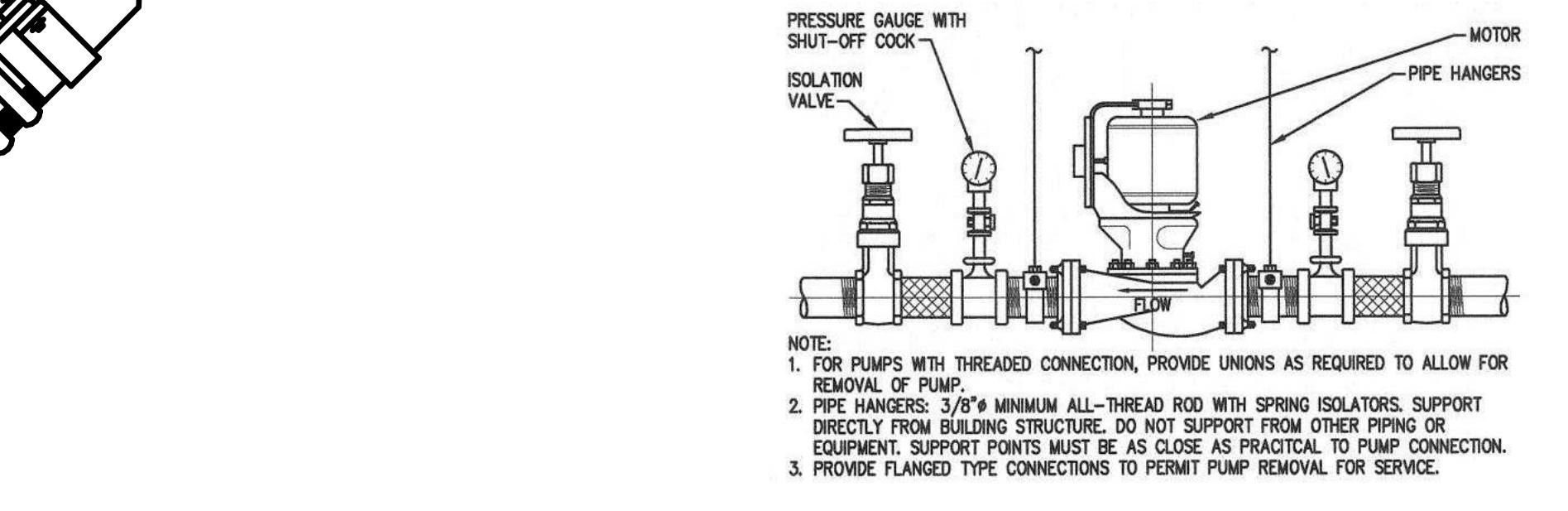


EQUIPMENT DESIGNATION	EQUIPMENT NAME	MANUFACTURER	MODEL	LOCATION	RATED CAPACITY	BUILDING AUTOMATION	CONNECTIONS		ELECTRICAL LOAD				NOTES
							INLET	OUTLET	KW	HP	VOLTS	PHASE	
ESP-1	ELEVATOR SUMP PUMP	STANCO	SE-50	ELEVATOR SHAFT	50 GPM @ 22 TOH	Yes	0"	2"	1/2	120	1	Yes	OIL/WATER DETECTION SYSTEM WITH ALARM MONITORING.
ET-1	EXPANSION TANK	ELBI OF AMERICA	DTS-45	MECH 1500	12 GALLON ACCEPTANCE VOLUME	No	1"	0"					
ETP-1	ELECTRONIC TRAP PRIMER	MIFAB	MI-100-55-SM	MECH 2,500	0	No	1/2"	3/8"	120	1	No		
EWH-1	ELECTRIC WATER HEATER 1	RHEEM	EG120-9-G	MECH 1500	62 GPH @ 60°F RISE	Yes	1 1/2"	1 1/2"	9	208	3	No	SURFACE MOUNTED SET STORAGE TEMP. AT 140°F. ROUTE & RELIEF VALVE DISCHARGE TO FLOOR DRAIN.
EWH-2	ELECTRIC WATER HEATER 2	RHEEM	EG120-9-G	MECH 1500	62 GPH @ 60°F RISE	Yes	1 1/2"	1 1/2"	9	208	3	No	SET STORAGE TEMP. AT 140°F. ROUTE & RELIEF VALVE DISCHARGE TO FLOOR DRAIN.
HWP-1	DOMESTIC HOT WATER RECOVERY PUMP	BELL & GOSSETT	PL-55	MECH 1500	10 GPM @ 45 TOH	Yes	1/2"	1/2"	2/5	120	1	No	
RWP-1	RECOVERY WATER SUMP 1	EBARA	50DSU3.74-QDC	MECH 1500	65 GPM @ 102 TOH	Yes	0"	2"	5	460	3	No	
RWP-2	RECOVERY WATER SUMP 2	EBARA	50DSU3.74-QDC	MECH 1500	65 GPM @ 102 TOH	Yes	0"	2"	5	460	3	No	
SP-1	SUMP PUMP 1	ZOELLER	G163	MECH 1500	30 GPM @ 50 TOH	Yes	0"	2"	1/2	460	3	No	
SP-2	SUMP PUMP2	ZOELLER	G163	MECH 1500	30 GPM @ 50 TOH	Yes	0"	2"	1/2	460	3	No	
TMV-1	THERMOSTATIC MIXING VALVE	LAWLER	801	MECH 1500	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 1500	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.



CLEANOUT SIZES

PIPE SIZE	CLEANOUT SIZE
2"	2"
3"	3"
4"	4"
6" & LARGER	6"



Fixture Designation	Quantity	GPM/GPF	Connections				Waste	Trap Size	Remarks
			CW	HW	VENT	TRAP			
EEW-1	2		1/2"		1/2"			1 1/4"	
EEW-2	1		3/4"		3/4"			1 1/4"	
HB-1	1	0.80 GPM	3/4"	3/4"	Z"	Z"		1 1/4"	
LAB SINKS	1	1.00 GPM	3/4"	3/4"	Z"	Z"		1 1/2"	
SK-1	3	1.00 GPM	3/4"	3/4"	Z"	Z"		1 1/2"	
SK-2	4	1.00 GPM	3/4"	3/4"	Z"	Z"		1 1/2"	
SK-3	1	1.00 GPM	3/4"	3/4"	Z"	Z"		1 1/2"	
SU-1	1	1.50 GPM	3/4"	3/4"	Z"	Z"		1 1/2"	
WC-1	8	1.28 GPM	1 1/4"		Z"	4"			PROVIDE CARRIER SUITABLE FOR FIXTURE
WH-1	2		3/4"						

PLUMBING EQUIPMENT SCHEDULE													
EQUIPMENT DESIGNATION	EQUIPMENT NAME	MANUFACTURER	MODEL	LOCATION	RATED CAPACITY	BUILDING AUTOMATION	CONNECTIONS		ELECTRICAL LOAD				
							INLET	OUTLET	KW	HP	VOLTS	PHASE	EMERGENCY POWER
ESP-1	ELEVATOR SUMP PUMP	STANCO	SE-50	ELEVATOR SHAFT	50 GPM @ 22 TOH	Yes	0"	2"	1/2	120	1	Yes	OIL/WATER DETECTION SYSTEM WITH ALARM MONITORING.
ET-1	EXPANSION TANK	ELBI OF AMERICA	DTS-45	MECH 1500	12 GALLON ACCEPTANCE VOLUME	No	1"	0"					
ETP-1	ELECTRONIC TRAP PRIMER	MIFAB	MI-100-55-SM	MECH 2,500	0	No	1/2"	3/8"	120	1	No		
EWH-1	ELECTRIC WATER HEATER 1	RHEEM	EG120-9-G	MECH 1500	62 GPH @ 60°F RISE	Yes	1 1/2"	1 1/2"	9	208	3	No	SURFACE MOUNTED SET STORAGE TEMP. AT 140°F. ROUTE & RELIEF VALVE DISCHARGE TO FLOOR DRAIN.
EWH-2	ELECTRIC WATER HEATER 2	RHEEM	EG120-9-G	MECH 1500	62 GPH @ 60°F RISE	Yes	1 1/2"	1 1/2"	9	208	3	No	SET STORAGE TEMP. AT 140°F. ROUTE & RELIEF VALVE DISCHARGE TO FLOOR DRAIN.
HWP-1	DOMESTIC HOT WATER RECOVERY PUMP	BELL & GOSSETT	PL-55	MECH 1500	10 GPM @ 45 TOH	Yes	1/2"	1/2"	2/5	120	1	No	
RWP-1	RECOVERY WATER SUMP 1	EBARA	50DSU3.74-QDC	MECH 1500	65 GPM @ 102 TOH	Yes	0"	2"	5	460	3	No	
RWP-2	RECOVERY WATER SUMP 2	EBARA	50DSU3.74-QDC	MECH 1500	65 GPM @ 102 TOH	Yes	0"	2"	5	460	3	No	
SP-1	SUMP PUMP 1	ZOELLER	G163	MECH 1500	30 GPM @ 50 TOH	Yes	0"	2"	1/2	460	3	No	
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TMV-1	THERMOSTATIC MIXING VALVE	LAWLER	801	MECH 1500	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 1500	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 EQUIPMENT SCHEDULE											
EQUIPMENT DESIGNATION	EQUIPMENT NAME	MANUFACTURER	MODEL	LOCATION	RATED CAPACITY	BUILDING AUTOMATION	CONNECTIONS				NOTES
							FLOW	PRESSURE DROP	SIZE	LOCATION	MANUFACTURER
RPZ-1</											

TAG: 

Medical and Lavatory Faucets

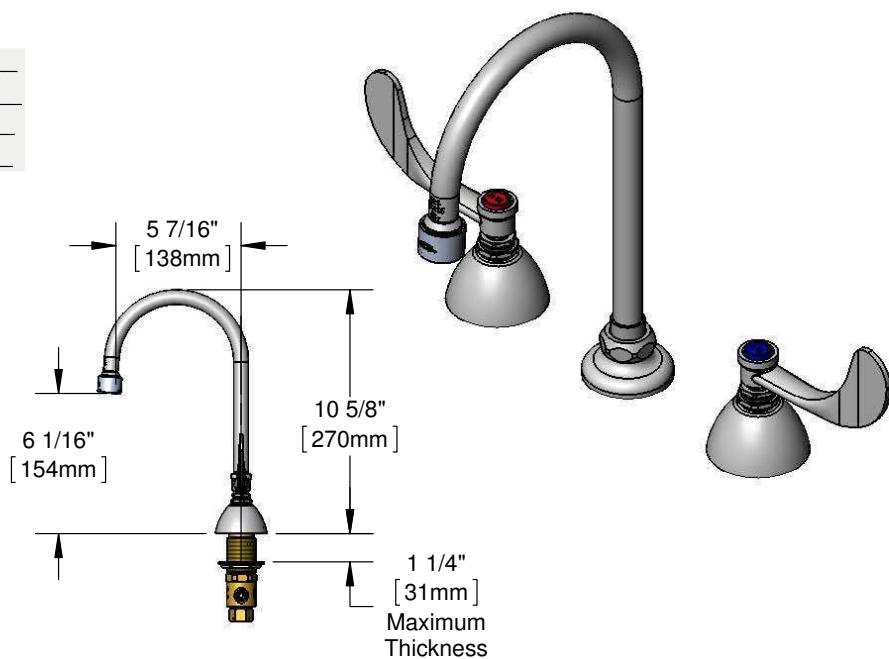
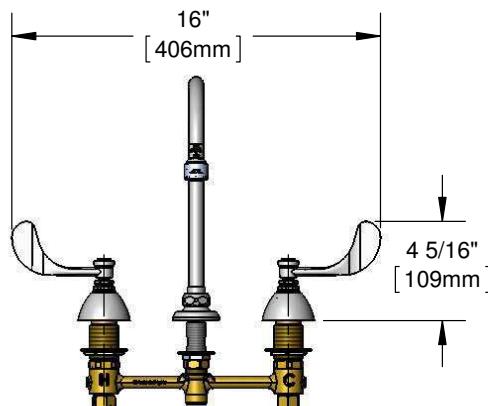
B-2866-QT-VF05

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
0.35	N/A	<input type="checkbox"/> B-0199-02-N035	N/A
0.5	N/A	<input type="checkbox"/> B-0199-02-N05	N/A
1.0	<input type="checkbox"/> B-0199-02-F10	N/A	<input type="checkbox"/> B-0199-07-F10
1.2	<input type="checkbox"/> B-0199-02-F12	N/A	<input type="checkbox"/> B-0199-07-F12
1.5	<input type="checkbox"/> B-0199-02-WS	N/A	<input type="checkbox"/> B-0199-07-WS
2.2	<input type="checkbox"/> B-0199-02	N/A	<input type="checkbox"/> B-0199-07

VR Non-Aerated
(VR Laminar)

- B-0199-07-N035 Standard N/A
- B-0199-07-F10 N/A
- B-0199-07-F12 N/A
- B-0199-07-WS N/A
- 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
-  UPC-C
-  Certified to WaterSense by ICC-ES

Job Name	<hr/>	
Item Number	<hr/>	
Section/Tag	<hr/>	
Model Specified	<hr/>	
Architect	<hr/>	
Engineer	<hr/>	
Contractor	<hr/>	
<input type="checkbox"/> Submitted as Shown	<input type="checkbox"/> Submitted with Variations	
Date <hr/>		



2100 South Clearwater Drive

Des Plaines, IL

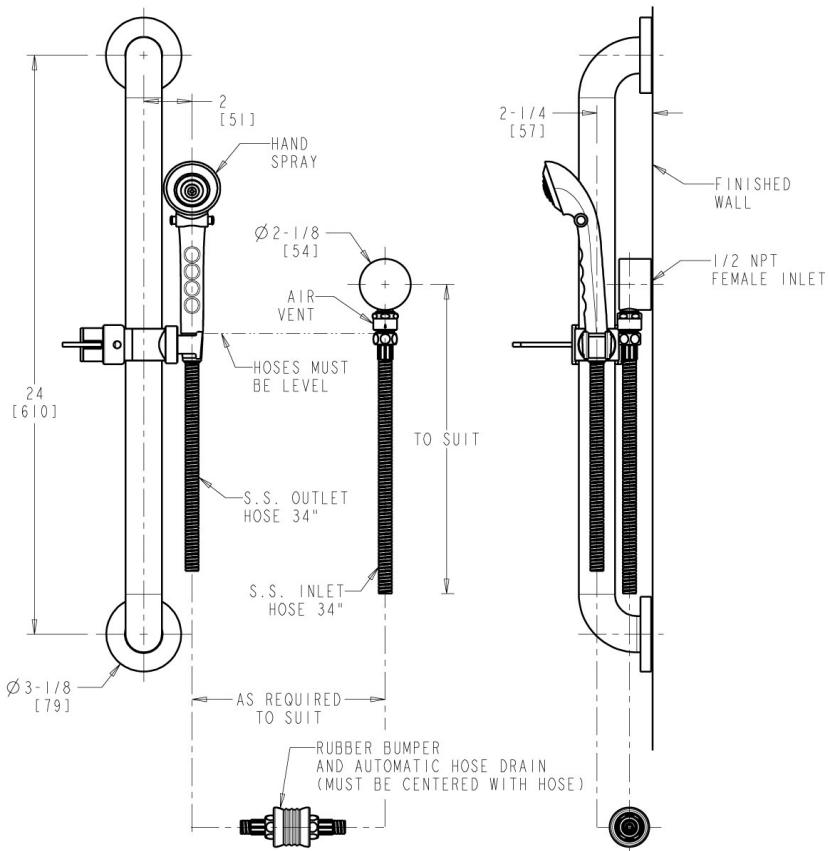
P: 847/803-5000

F: 847/803-5454

Technical: 800/TEC-TRUE
www.chicagofaucets.com

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.

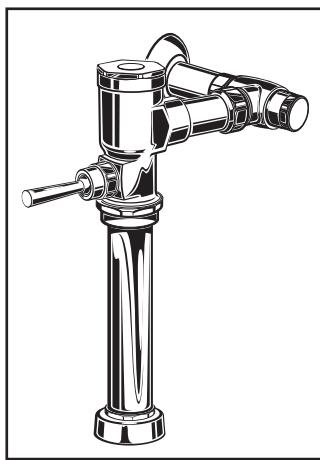
Chicago Faucets, member of the Geberit Group, is the leading brand of commercial faucets and fittings in the United States, offering a complete range of products for schools, laboratories, hospitals, office buildings, food service, airports and sport facilities. Call 1.800.TECTRUE or 1.847.803.5000 Option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



2100 South Clearwater Drive
 Des Plaines, IL
 P: 847/803-5000
 F: 847/803-5454
 Technical: 800/TEC-TRUE
www.chicagofaucets.com



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 compliant

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.

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:

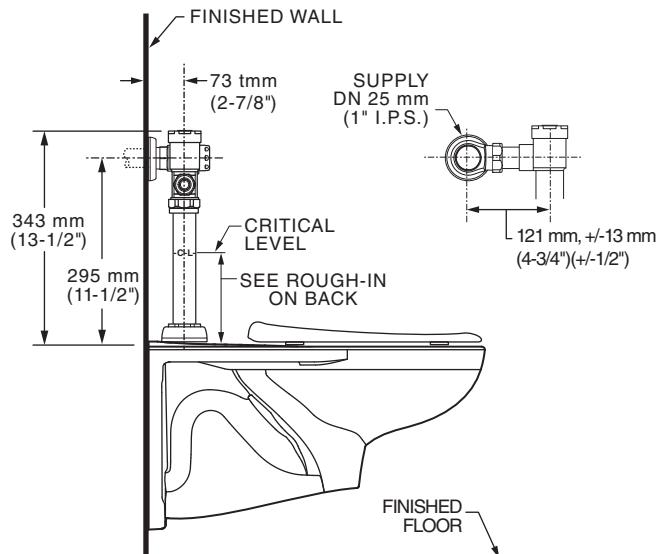
25gpm (94.6 L/min.)

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



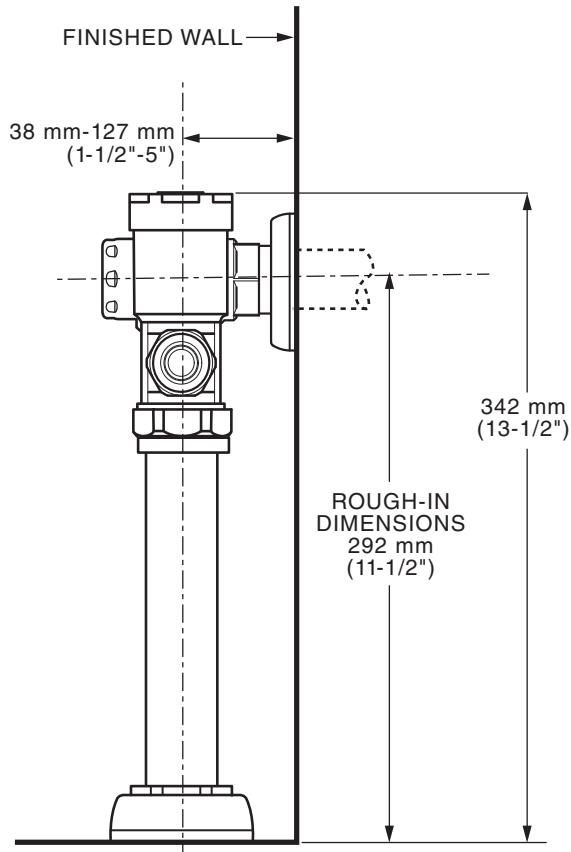
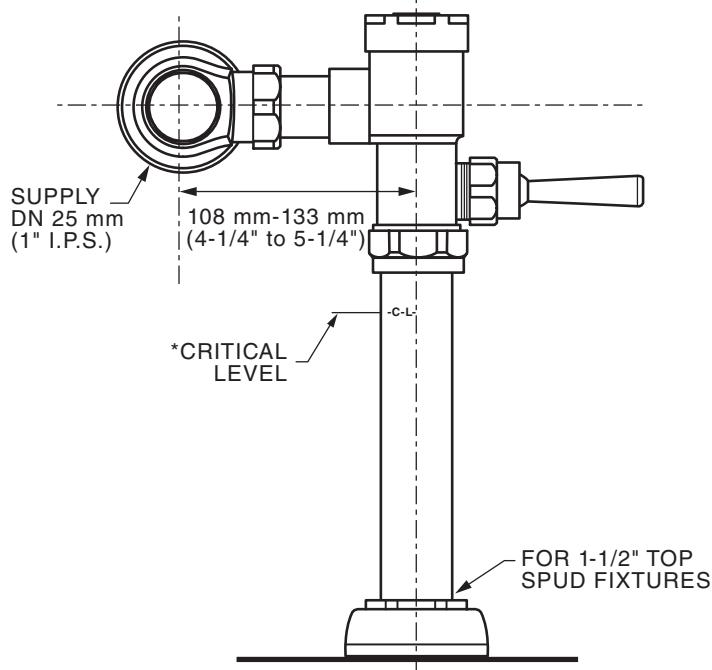


Ultima Manual Toilet Flush Valve Piston-Type

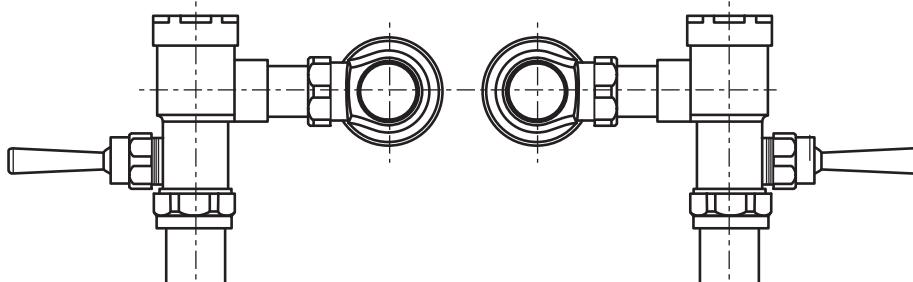
LISTINGS:

- 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