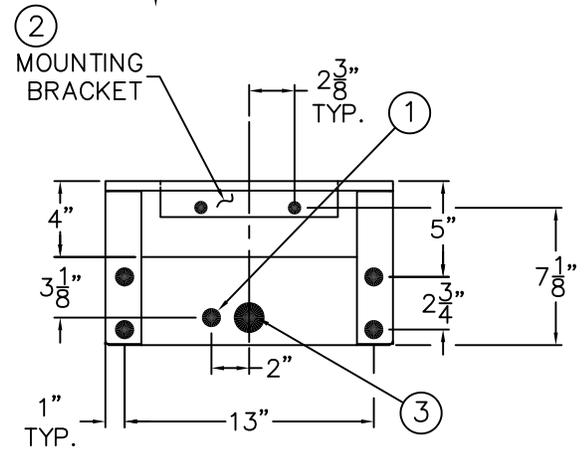
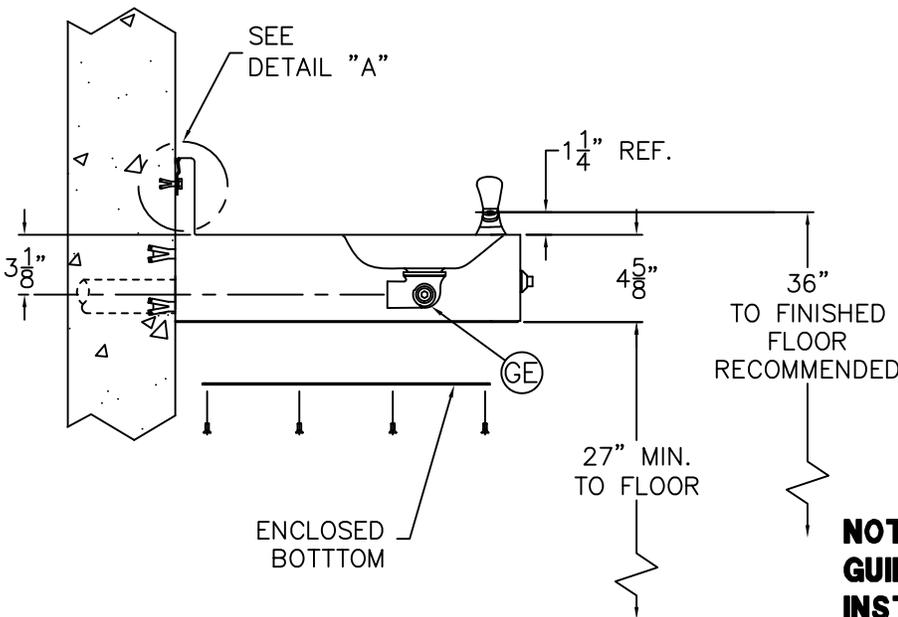
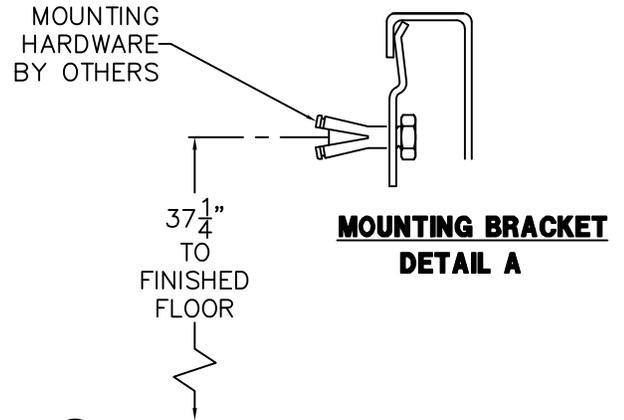
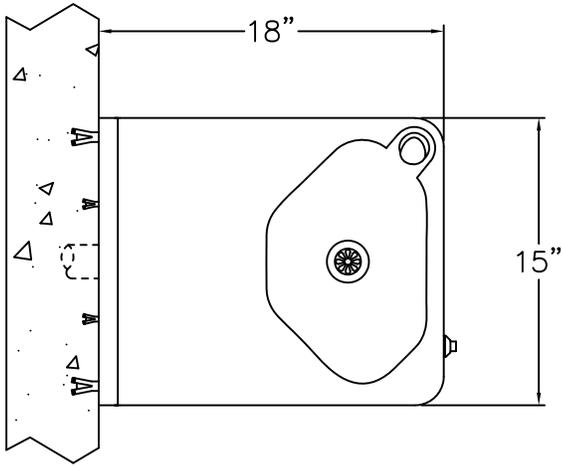




REFERENCE DRAWINGS	
AIR-CONTROL CONNE	9905-006-001
-TPT P-TRAP	9908-024-002
-FP FREEZE RESIST	9908-030-002
FIXTURE TRIM	9957-026-001



NOTE: REFER TO A.D.A. ACCESSIBILITY GUIDELINES FOR COMPLETE INSTALLATION REQUIREMENTS.

INSTALLATION INSTRUCTIONS:

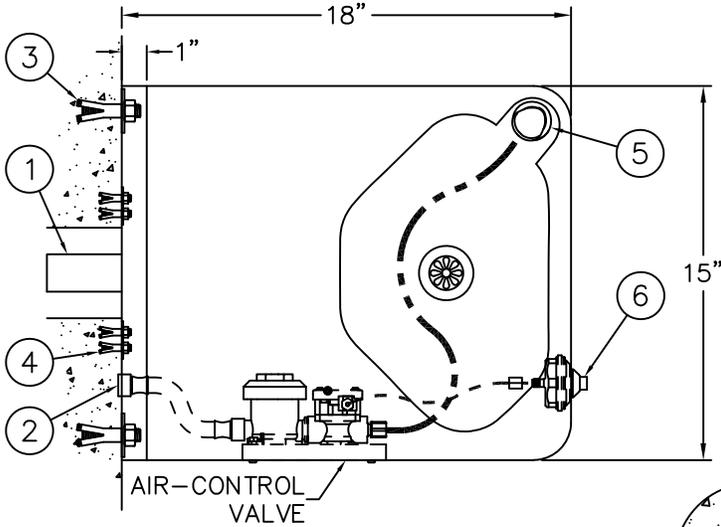
- A- SEE DWG #9905-001-003 FOR VALVE INSTALLATION. ROUGH-IN FOR 1/2" NPT ① SUPPLY CONNECTION.
- B- INSTALL MOUNTING BRACKET ②. SEE DETAIL "A".
- C- INSTALL WALL ANCHORS (BY OTHERS) AND ATTACH FIXTURE. BUBBLER OUTLET IS RECOMMENDED AT 36" ABOVE FINISHED FLOOR.

- D- MAKE UP WASTE CONNECTIONS ③. DIMENSIONS VARY DEPENDING ON OPTIONAL WASTE CONNECTION SELECTED:
- Ⓔ -OPTIONAL GRID STRAINER WITH CLOSE ELBOW 1-1/4" O.D. COMPRESSION CONNECTION.
- E- ROUGH-IN PLUMBING AND FLUSH SUPPLY LINES.



ACORN ENGINEERING COMPANY
P.O. BOX 3527 INDUSTRY, CA. 91744
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TITLE ADA COMPLIANT DRINKING FOUNTAIN 1 STA. (CAT #2012ADA)		
MANUFACTURE DATE JANUARY 2012 TO PRESENT	DATE ISSUED 01/25/12	DRAWING NUMBER 9908-021-003
	DATE REVISED	

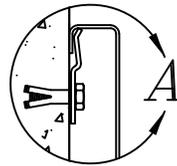


REFERENCE DRAWINGS	
AIR-CONTROL CONNECTIONS	9905-006-001
-FP FREEZE RESISTANT	9908-030-002
FIXTURE TRIM	9957-026-001

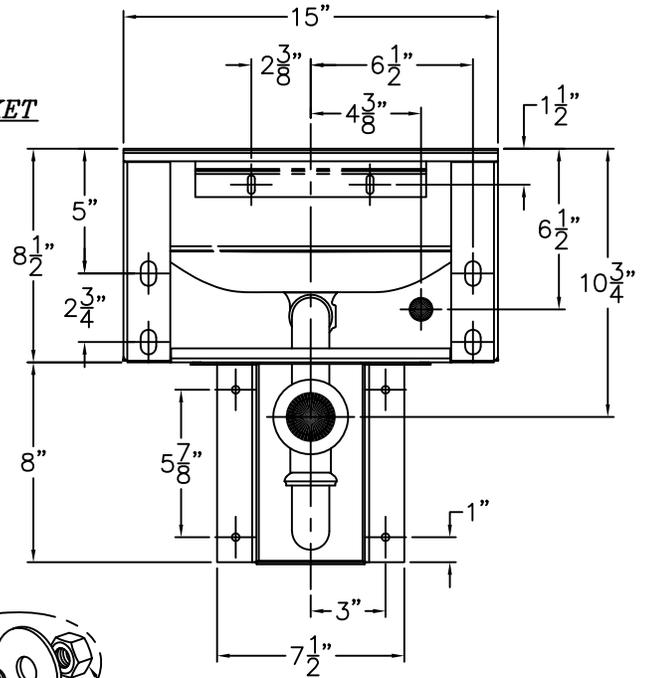
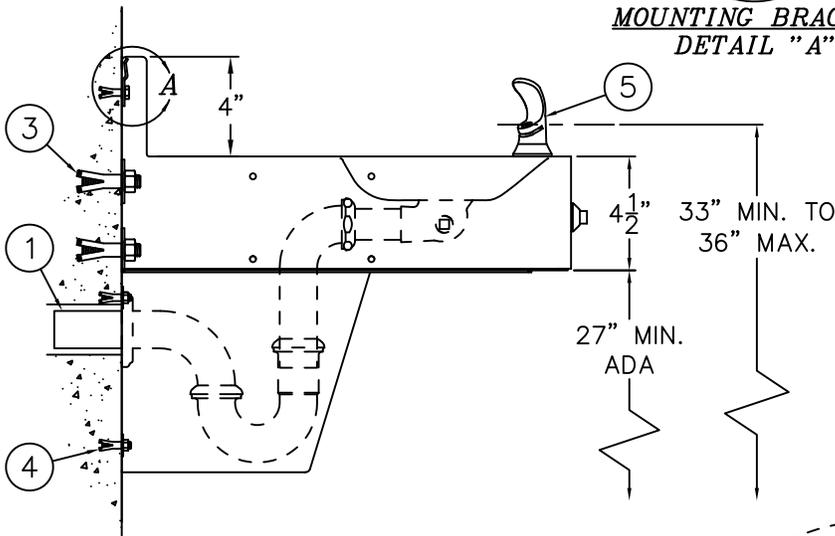
WARNING:

WATER FLOW PRESSURE 25/100 PSI MIN/MAX. RECOMMENDED OUTLET TEMPERATURE 105°F MAX. FLUSH ALL SUPPLY LINES THOROUGHLY BEFORE CONNECTING. DRAIN VALVE PRIOR TO FREEZING TEMPERATURES.

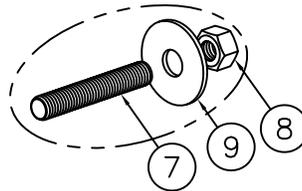
NOTE: REFER TO A.D.A. ACCESSIBILITY GUIDELINES FOR COMPLETE INSTALLATION REQUIREMENTS.



**MOUNTING BRACKET
DETAIL "A"**



REAR VIEW



ROUGH-IN FOR THE FOLLOWING:

- FIXTURE WASTE: 1-1/2" OD TUBULAR P-TRAP WASTE OUTLET (1).
- SUPPLY INLET: 1/2" NPS HOSE END VALVE CONNECTION (2). NOTE: HOSE END CONNECTION WILL ACCOMMODATE 1/2" NPT ADAPTER.
- WALL ANCHORS FOR $\phi 5/8"$ x 1" LONG SLOTS (3) & $\phi 5/16"$ ENCLOSURE ANCHORING PUNCHING (4).

INSTALLATION INSTRUCTIONS:

- A-MOUNT BUBBLERS (5) AND PUSHBUTTON (6) TO FIXTURE. SEE DRAWING 9905-006-001 FOR DETAILS.
- B-THREAD INSTALLER PROVIDED STUDS (7) INTO INSTALLED WALL ANCHORS. NOTE: STUDS MUST HAVE 1/2" MINIMUM ENGAGEMENT.

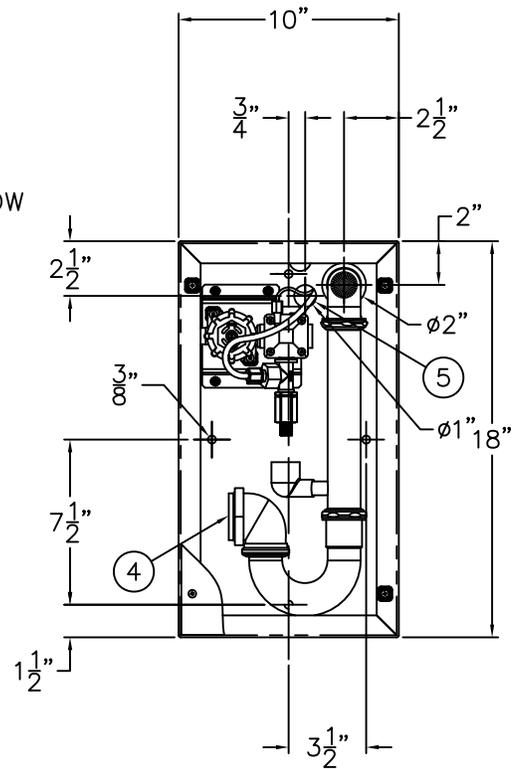
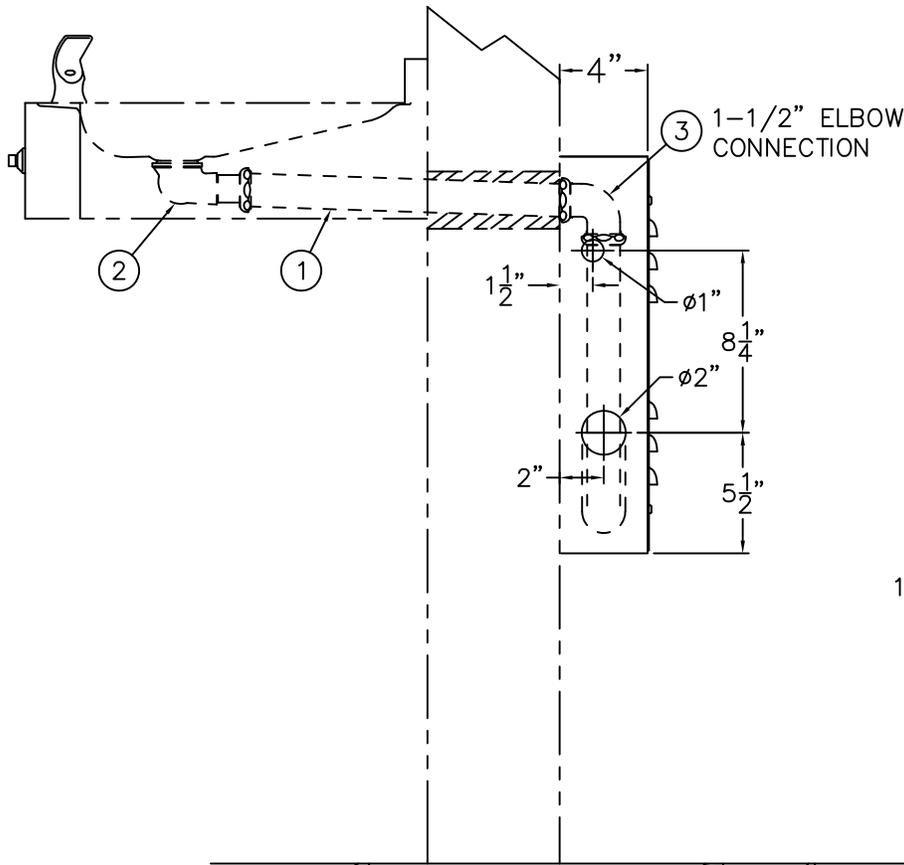
- C-ALIGN ANCHOR STUDS (7) WITH FIXTURE PUNCHING AND SLIDE UNTIL UNIT RESTS THE FINISHED WALL.
- D-SECURE WITH INSTALLER PROVIDED NUTS (8) AND WASHERS (9). TIGHTEN TO 60 FT. LBS.
- E-MAKE UP WASTE CONNECTION (1).
- F-AFTER THOROUGHLY FLUSHING SUPPLY LINES MAKE UP VALVE INLET CONNECTION (2).
- G-SEE APPROPRIATE SHEETS FOR VALVE DETAILS.



ACORN ENGINEERING COMPANY
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TITLE ADA DRINKING FOUNTAIN w/ ENCLOSED BOTTOM CAT. #2012ADA-TPT		
MANUFACTURE DATE JANUARY 2012 TO PRESENT	DATE ISSUED 01/25/12	DRAWING NUMBER 9908-024-002
	DATE REVISED	

REFER TO LOCAL CODES AND/OR INDUSTRY STANDARDS FOR CORRECT WASTE DRAIN SLOPE.



ALL WALL ANCHORS AND ANCHORING HARDWARE ARE PROVIDED BY THE INSTALLER. FREEZE RESISTANT BOX MUST BE INSTALLED BEHIND FIXTURE WALL WITH TEMPERATURES THAT REMAIN ABOVE FREEZING.

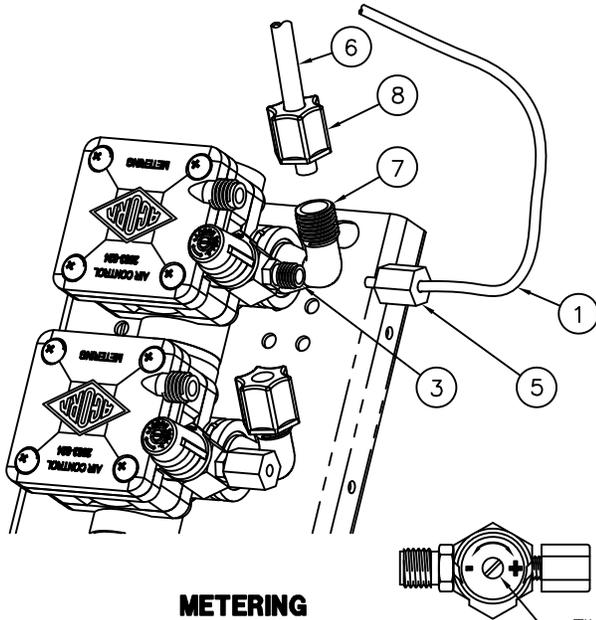
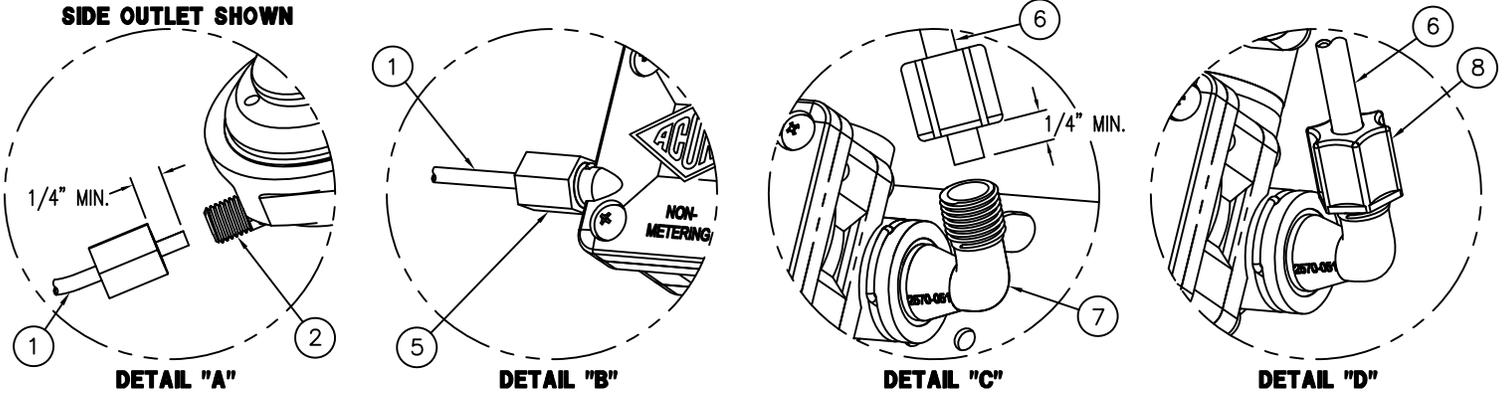
NOTE: 1/4" SUPPLY LINE FROM VALVE TO BUBBLER MUST NOT DIP DOWN BELOW THE VALVE. IT SHOULD ALSO MAINTAIN A DOWNHILL PATH WITHOUT DIPPING FROM THE BUBBLER TO THE VALVE.

INSTALLATION INSTRUCTIONS:

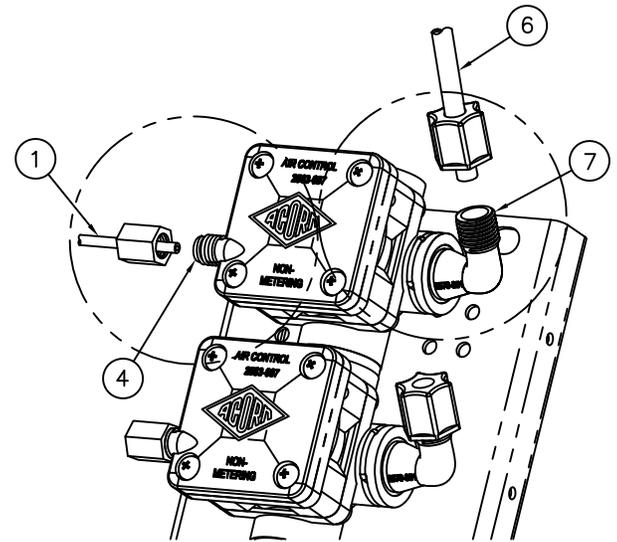
- A- INSTALL FIXTURE FOLLOWING APPROPRIATE INSTALLATION SHEETS AND PROVIDE THRU WALL OPENINGS FOR ELBOW WASTE EXTENSION (1) OUTLET AND AIR AND SUPPLY TUBING. NOTE: THRU WALL CONDUIT AND WALL INSULATION IS PROVIDED BY THE INSTALLER.
- B- ASSEMBLE WASTE EXTENSION TUBE (1) THRU WALL TO FIXTURE CLOSE ELBOW (2).
- C- ANCHOR VALVE AND WASTE BOX ON INTERIOR WALL BY ALIGNING FP ELBOW (3) WITH FIXTURE WASTE EXTENSION OUTLET (1).
- D- MAKE UP WASTE CONNECTIONS TO FP BOX 1-1/2" IPS P-TRAP WASTE OUTLET (4).
- E- CONNECT SUPPLY AND AIR TUBING FROM VALVE THRU BOX OPENING (5) TO FIXTURE BUBBLER AND PUSHBUTTON. (SEE NOTE ABOVE.)
- F- FLUSH WATER SUPPLY LINE OF ALL DEBRIS PRIOR TO CONNECTING TO VALVE. CONNECT SUPPLY LINE TO VALVE 1/2" NPS HOSE END VALVE INLET CONNECTION.
- G- ATTACH COVER TO BOX TO COMPLETE FP INSTALLATION.

<p>MORRIS GROUP INTL P.O. BOX 3527 Industry, CA 91744 MORRIS GROUP 15125 Proctor Ave Industry, CA 91746 INTERNATIONAL (626) 336-4561 FAX (626) 961-2200</p>	<p>TITLE 1-STATION FREEZE RESISTANT BOX</p>	
	<p>MANUFACTURE DATE</p> <p>SEPTEMBER 1991</p> <p>TO PRESENT</p>	<p>DATE ISSUED</p> <p>12/14/09</p> <p>DATE REVISED</p> <p>08/05/22 A</p>

SIDE OUTLET SHOWN



METERING



**NON-METERING
DIRECT ACTING**

LAVATORY VALVES ARE FACTORY PRESET WITH A 5-20 SECOND RUN TIME. THIS WILL PROVIDE LESS THAN 1/4 GALLON (1 LITER) PER CYCLE. IF IT IS NOTED THAT VALVES ARE RUNNING LONGER THAN THIS MAXIMUM RECOMMENDED CYCLE TIME PLEASE FOLLOW THESE INSTRUCTIONS TO CORRECT THE CYCLE TIME. WHEN SET, FAUCET SHOULD NOT PRODUCE MORE THAN 1/4 GALLON (1 LITER) PER CYCLE.

TIMING IS ADJUSTABLE FROM 5 TO 60 SECONDS AND IS ACCOMPLISHED BY ROTATING TIMING SCREW. TURNING THE SCREW CLOCKWISE INCREASES TIMING WHILE COUNTERCLOCKWISE DECREASES TIMING.

TIMING SCREW

INSTALLATION INSTRUCTIONS:

- A- MOUNT FIXTURE IN ACCORDANCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- B- ASSEMBLE SPOUTS AND PUSHBUTTONS TO FIXTURE.
- C- CONNECT 1/8" O.D. POLYETHYLENE AIR LINE ① TO PUSHBUTTON ②, AND VALVE TIMER ASSEMBLY ③ SEE DETAIL "A". NOTE: FOR DIRECT ACTING: ASSEMBLE TO AIR PORT ④, SEE DETAIL "B". HAND TIGHTEN FERRULE NUT ⑤ PROVIDED.
- D- CONNECT 1/4" O.D. POLYETHYLENE WATER LINES ⑥ TO VALVE ASSEMBLY ELBOW ⑦ SEE DETAILS "C", AND "D". HAND TIGHTEN FERRULE NUT ⑧ PROVIDED.
- E- AFTER THOROUGHLY FLUSHING SUPPLY LINES MAKE UP CONNECTIONS TO VALVE ASSEMBLY INLET(S) 1/2" NPT OR 1/2" NPS FLEX HOSE AS REQUIRED.

REFERENCE DRAWINGS

REFERENCE DRAWINGS	
ASSEMBLIES	DRAWING
VALVE BODY	9955-006-003
CHECKSTOP	9956-040-003
FIXTURE TRIM	9957-051-001
FIXTURE TRIM -DMS	9957-055-001
AIR-CONTROL SERVOMOTORS	
METERING	9955-000-003
NON-METERING	9955-001-003

NOTE:

- 1) ALL TUBING SHOULD BE CUT SQUARE AND BE FREE OF BURRS OR DEFORMITIES TO ENSURE A WATER TIGHT CONNECTION.
- 2) EXTEND TUBING AT LEAST 1/4" BEYOND FERRULE NUT BEFORE INSERTING TUBING INTO CONNECTION OPENING BEFORE TIGHTENING.
- 3) TUBING SHOULD BE FREE OF KINKS FOR PROPER OPERATION
- 4) MAXIMUM RECOMMENDED WORKING WATER PRESSURE IS 100 PSI; TEMPERATURE IS 130° F; OUTLET TEMPERATURE IS RECOMMENDED AT A MAXIMUM OF 105° F.

WARNING:

PRIOR TO MAKING INSTALLATION, SUPPLY LINES MUST BE FLUSHED OF ALL FOREIGN MATERIAL SUCH AS PIPE DOPE, CHIPS, SOLDER, ETC. VALVE MUST BE DRAINED PRIOR TO BEING SUBJECTED TO FREEZING TEMPERATURES. MAXIMUM RECOMMENDED OUTLET WATER TEMPERATURE IS 105° F.

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TITLE HAND OPERATED, LAVATORY AIR-CONTROL VALVE CONNECTIONS

MANUFACTURE DATE
**JANUARY 1999
TO PRESENT**

DATE ISSUED
04/22/10
DATE REVISED
11/18/15

DRAWING NUMBER
9905-006-001