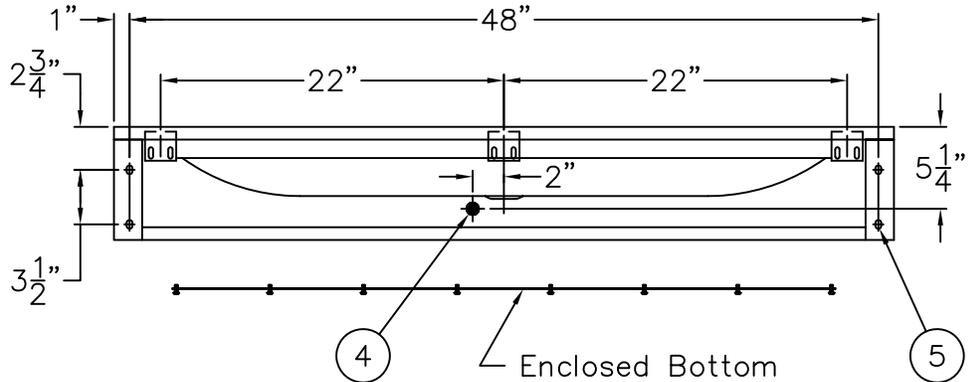
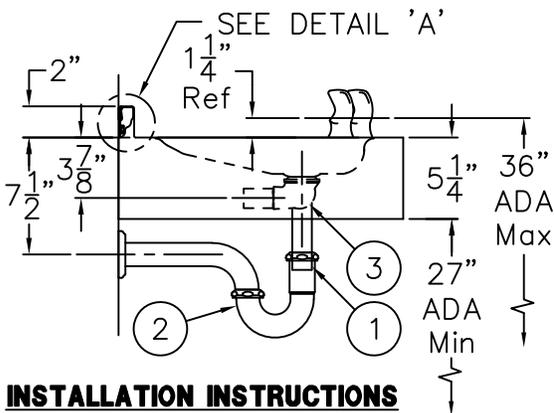
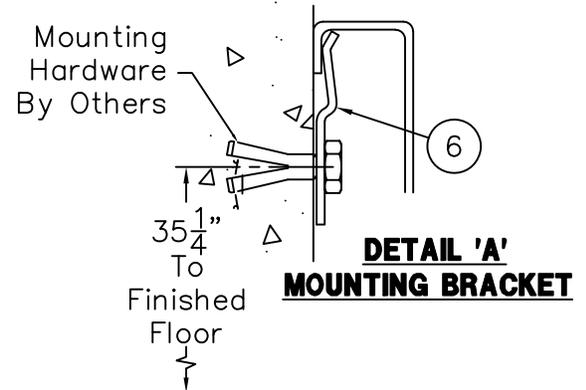


REFERENCE DRAWINGS	
INSTALLATION	
Air-Control Valve	9905-001-003
PARTS	
Valve Body	9955-006-003
Stop	9956-040-003
Servomotor	9955-001-003
Fixture Trim	9957-026-001

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



**INSTALLATION INSTRUCTIONS**

A-ROUGH-IN FOR THE FOLLOWING:

- 1/4" OD CLOSE ELBOW (1) WASTE OUTLET
  - OPTIONAL 1-1/4" OD X 1-1/2" OD P-TRAP (2) WASTE OUTLET.
  - OPTIONAL GRID STRAINER W/ TAILPIECE 1-1/4" (3)
  - SUPPLY CONNECTION FOR 1/2" NPS FLEX HOSE SINGLE
  - TEMPERATURE VALVES CONNECTION (4).
- WALL ANCHORS (5) AT MOUNTING LOCATIONS AS SHOWN.

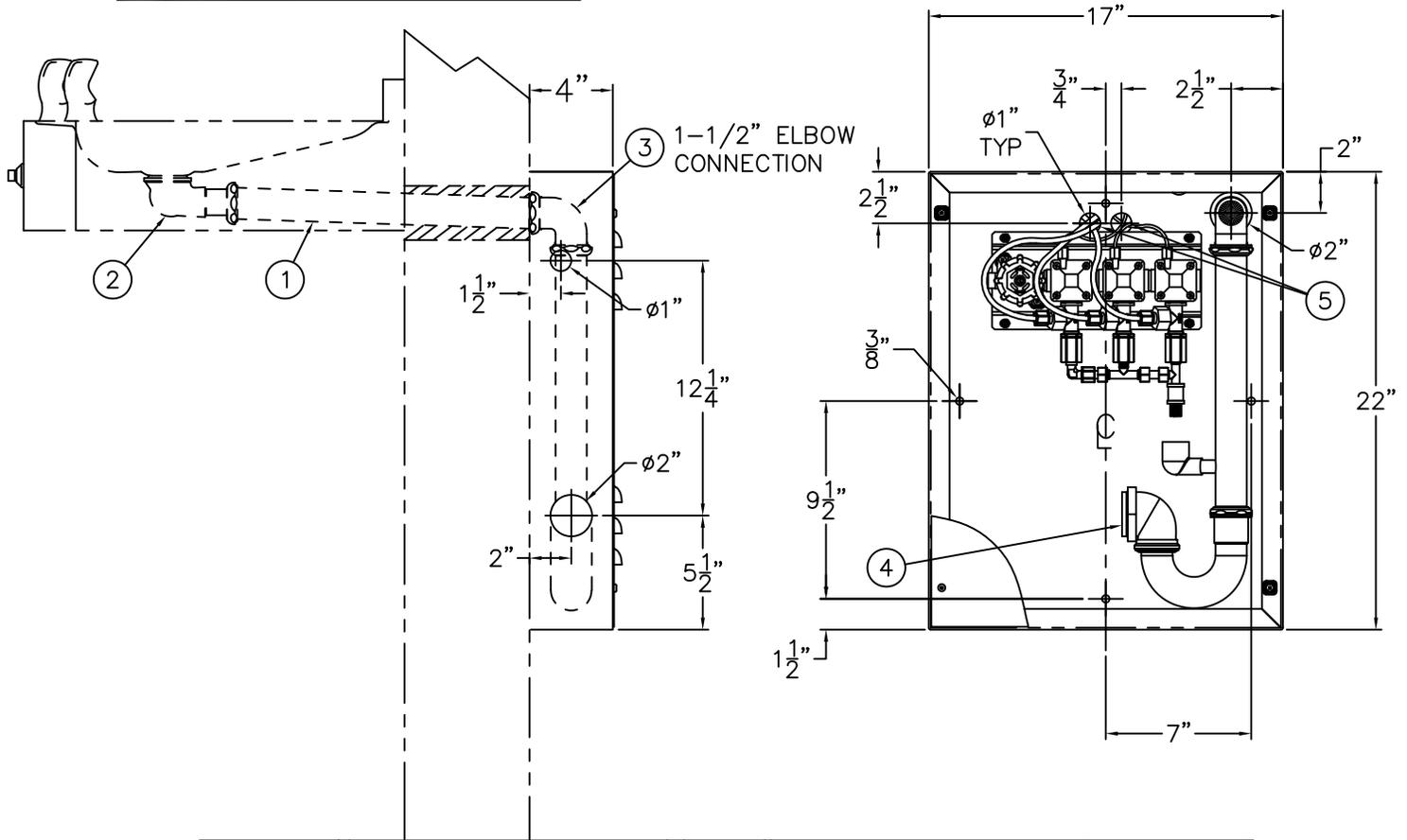
- B-ASSEMBLE WASTE CONNECTIONS TO FIXTURE DRAIN OPENING.
- C-POSITION HOUSING ABOVE S-CLIPS (6) AND SLIDE DOWN TO ENGAGE. SECURE REMAINING MOUNTING POINTS WITH INSTALLER PROVIDED HARDWARE.
- D-MAKE UP WASTE OUTLET CONNECTION TO WASTE OUTLET.
- E-FLUSH SUPPLY LINES BEFORE MAKING UP CONNECTIONS.

NOTE: 36" ADA DISCHARGE HEIGHT IS RECOMMENDED. REFER TO ADA GUIDELINES FOR COMPLETE INSTALLATION REQUIREMENTS.

WARNING: SUPPLY LINES SHOULD BE FLUSHED OF ALL FOREIGN MATERIAL. VALVE MUST BE DRAINED PRIOR TO BEING SUBJECTED TO FREEZING TEMPERATURE. MAXIMUM RECOMMENDED OUTLET WATER TEMPERATURE IS 105 F.

ACORN ENGINEERING COMPANY P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336-4561 FAX (626) 961-2200	TITLE <b>ADA COMPLIANT DRINKING FOUNTAIN 3 STA. (CAT #2030-ADA)</b>		
	MANUFACTURE DATE <b>JANUARY 1980 TO PRESENT</b>	DATE ISSUED <b>06/01/90</b>	DRAWING NUMBER <b>9908-023-001</b>
	DATE REVISED <b>07/15/10</b>		

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.

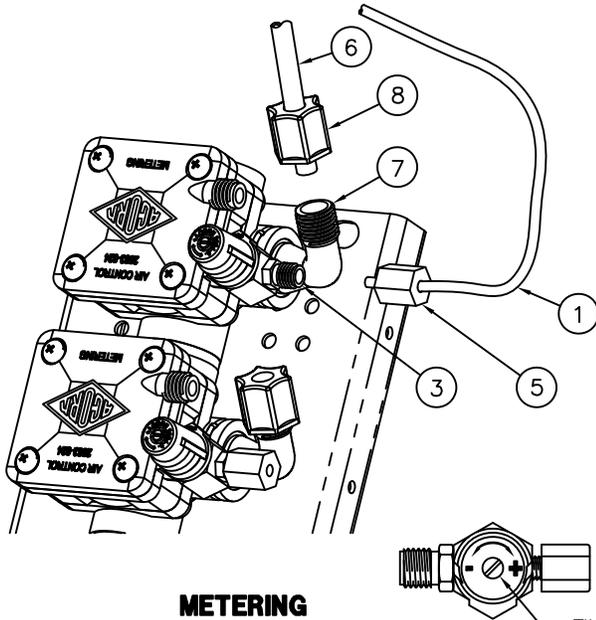
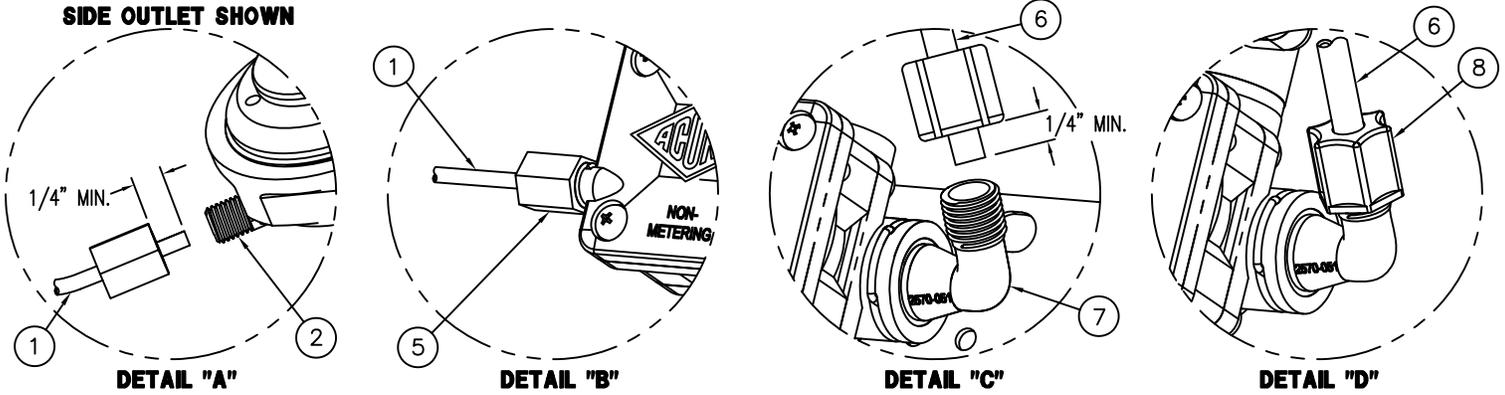
**NOTE:** 1/4" SUPPLY LINE FROM VALVE TO BUBBLER MUST NOT DIP DOWN BELOW THE VALVE. IT SHOULD ALSO MAINTAIN A DOWNHILL PATH WITHOUT DIPPING FROM THE BUBBLER TO THE VALVE.

**INSTALLATION INSTRUCTIONS:**

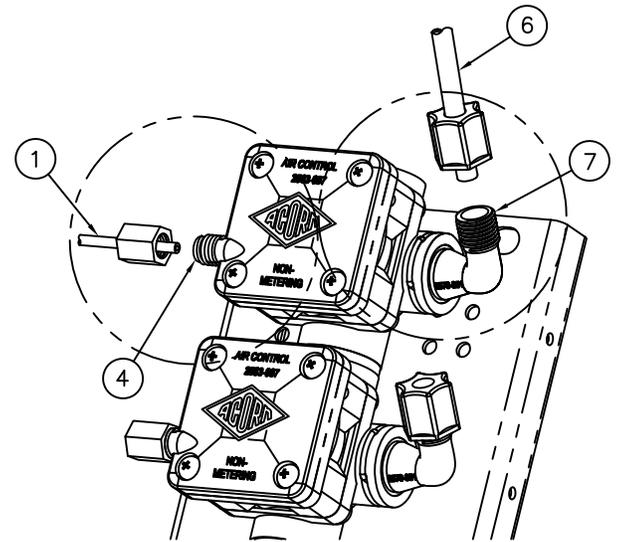
- A- INSTALL FIXTURE FOLLOWING APPROPRIATE INSTALLATION SHEETS AND PROVIDE THRU WALL OPENINGS FOR ELBOW WASTE EXTENSION (1) OUTLET AND AIR AND SUPPLY TUBING. NOTE: THRU WALL CONDUIT AND WALL INSULATION IS PROVIDED BY THE INSTALLER.
- B- ASSEMBLE WASTE EXTENSION TUBE (1) THRU WALL TO FIXTURE CLOSE ELBOW (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 BUBBLERS AND PUSHBUTTONS. (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><b>MORRIS GROUP INTL</b> 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 <b>3-STATION FREEZE RESISTANT BOX</b></p>	
	<p>MANUFACTURE DATE <b>SEPTEMBER 1991</b> <b>TO PRESENT</b></p>	<p>DATE ISSUED <b>12/14/09</b></p> <p>DATE REVISED <b>08/05/22 A</b></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	
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.

<p><b>MORRIS GROUP INTL</b> 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 <b>HAND OPERATED, LAVATORY AIR-CONTROL VALVE CONNECTIONS</b></p>		
	<p>MANUFACTURE DATE</p> <p><b>JANUARY 1999 TO PRESENT</b></p>	<p>DATE ISSUED</p> <p><b>04/22/10</b></p>	<p>DRAWING NUMBER</p> <p><b>9905-006-001</b></p>
		<p>DATE REVISED</p> <p><b>11/18/15</b></p>	