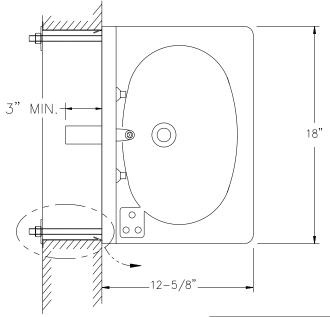
INSTALLATION INSTRUCTIONS

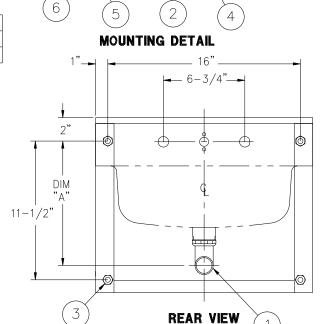


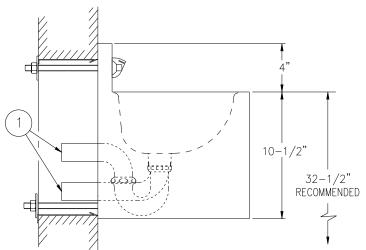
3



REFERENCE DRAWINGS			
HARDWARE PACKAGE	9957-900-001		
-SW SLEEVE / -MT TEMPLATE	9925-211-001		
VALVES:			
-4 AIR-CONTROL (HOT & COLD)	9905-000-003		
-3 AIR-CONTROL (SINGLE TEMP.)	9905-001-003		
-MVC1 S/T TIME-TROL	9905-201-003		
-MVC2 H&C TIME-TROL	9905-200-003		
-EVS1 S/T MASTER-TROL	9905-311-002		
-EVS2 H&C MASTER-TROL	9905-310-002		

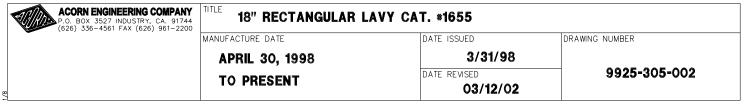
WASTE OUTLET	DIM "A"
STANDARD	10-1/4"
-PT OPTION	6-3/4"



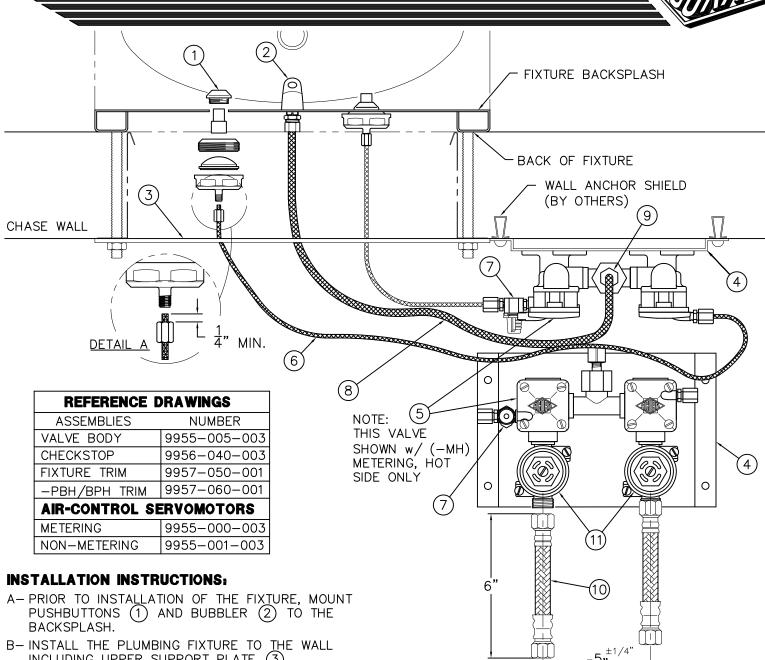


INSTALLATION INSTRUCTIONS:

- A-ROUGH-IN FOR FIXTURE WASTE OUTLET (1): .1-1/2"O.D. PLAIN END PROVIDED STANDARD & FOR -PT.
- B-SEE REFERENCE DRAWING BOX FOR APPROPRIATE VALVE INSTALLATION DRAWINGS.
- C-THREAD 1/2"-13 UNC STUDS ② INTO MOUNTING POINTS ③ AT REAR OF FIXTURE. STUDS ② MUST HAVE A MINIMUM 1/2" ENGAGEMENT.
- D-PLACE LAVATORY (4) UP AGAINST THE WALL, SLIDING STUDS (2) THROUGH SLEEVE OR WALL OPENINGS.
- E-PLACE WASHERS (5) (OR PLATE) AND NUTS (6) ONTO STUDS (2). TIGHTEN TO 60 FT/LBS.
- F-MAKE-UP LAVY WASTE CONNECTION 1-1/2" O.D. PLAIN END (SUITABLE FOR A COMPRESSION CONNECTION).







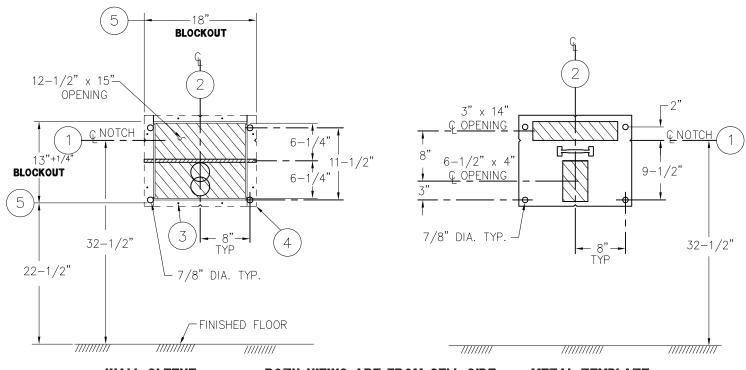
- INCLUDING UPPER SUPPORT PLATE (3).
- C- MOUNT THE AIR-CONTROL VALVE ASSEMBLY (4). LOCATE AS REQUIRED. MAXIMUM ALLOWABLE DISTANCE BETWEEN PUSHBUTTON (1) AND AIR-CONTROL SERVOMOTOR (5) IS 10 FEET. WALL ANCHORING HARDWARE ARE BY OTHERS.
- D- CONNECT 1/8" O.D. POLYETHYLENE AIR LINES (6)
 TO PUSHBUTTONS (1) AND SERVOMOTOR (5).
 HAND TIGHTEN USING FERRULE NUTS PROVIDED. SEE DETAIL A. NOTE: WHEN METERING VALVES ARE SPECIFIED, AIR LINES CONNECT DIRECTLY TO VALVE TIMER (7).
- E- CONNECT 1/4" O.D. POLYETHYLENE WATER LINE 8 TO BUBBLER 2 AND COMPRESSION NUT 9. HAND TIGHTEN USING FERRULE NUTS PROVIDED.

- 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.
- F- AFTER THOROUGHLY FLUSHING THE SUPPLY LINES, MAKE-UP 1/2" NPS FEMALE SUPPLY CONNECTIONS. NOTE: SUPPLY INLET CONNECTION WILL ACCOMODATE 1/2" NPT MALE ADAPTER. THREAD FLEX CONNECTOR HOSE (10) TO CHECKSTOPS (11) AND TO SUPPLY STUB OUTS.
- G-SEE APPROPRIATE SERVOMOTOR REFERENCE DRAWING FOR DETAILS AND TIMING INSRUCTIONS.

ACORN ENGINEERING COMPANY P.O. BOX 3527 INDUSTRY, CA. 91744 (626) 336-4561 FAX (626) 961-2200	(04-SERIES) HOT & COLD AIR-CONTROL VALVE ASSEMBLY - NEW STYLE		
	MANUFACTURE DATE	DATE ISSUED	DRAWING NUMBER
	SEPT 1995	11/1/95	
	TO PRESENT	DATE REVISED	9905-000-003
		07/15/10	

NOTE:





WALL SLEEVE (-SW) BOTH VIEWS ARE FROM CELL SIDE METAL TEMPLATE (-MT)

RIGHT HAND FIXTURE ROUGH-INS SHOWN, LEFT HAND FIXTURE OPPOSITE

SHADED AREAS ARE REQUIRED WALL OPENINGS

WALL SLEEVE

SLEEVES ARE INSTALLED IN FORMS (USING NAIL HOLES 3) PROVIDED) OR GROUTED INTO BLOCK WALLS, BECOMING A PERMANENT PART OF WALL.

- A. INSTALL SLEEVE WITH FLANGE (4) ON CHASE SIDE OF WALL.
- B. LOCATE TOP AND BOTTOM NOTCHES AT VERTICAL CENTERLINE (2) OF PLUMBING FIXTURE.
- C. LOCATE SIDE NOTCHES (1) AT DIMENSION SHOWN, MEASURED FROM THE FINISHED FLOOR ON CELL (FIXTURE) SIDE.

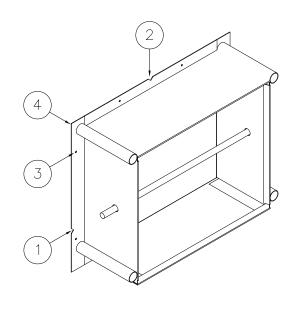
NOTES:

- 1. FOR POURED WALL CONSTRUCTION, TEMPORARY BRACING SHOULD BE INSTALLED WITHIN SLEEVE OPENING TO PREVENT DEFORMATION TO SLEEVE WHICH MAY OCCUR DURING POUR. DO NOT POUR CONCRETE DIRECTLY ON TOP OF WALL SLEEVE.
- 2. WHEN SLEEVES ARE NOT AVAILABLE BLOCKOUT FOR SLEEVE OPENING IN WALL PER DIMENSIONS SHOWN (5).

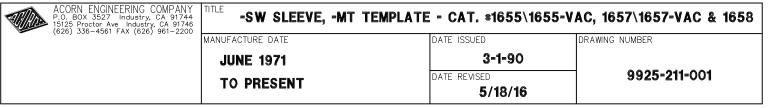
METAL TEMPLATES (-MT)

TEMPLATES ARE USED TO LAYOUT REQUIRED WALL OPENINGS FOR SUBSEQUENT FLAME CUTTING OR CORE DRILLING.

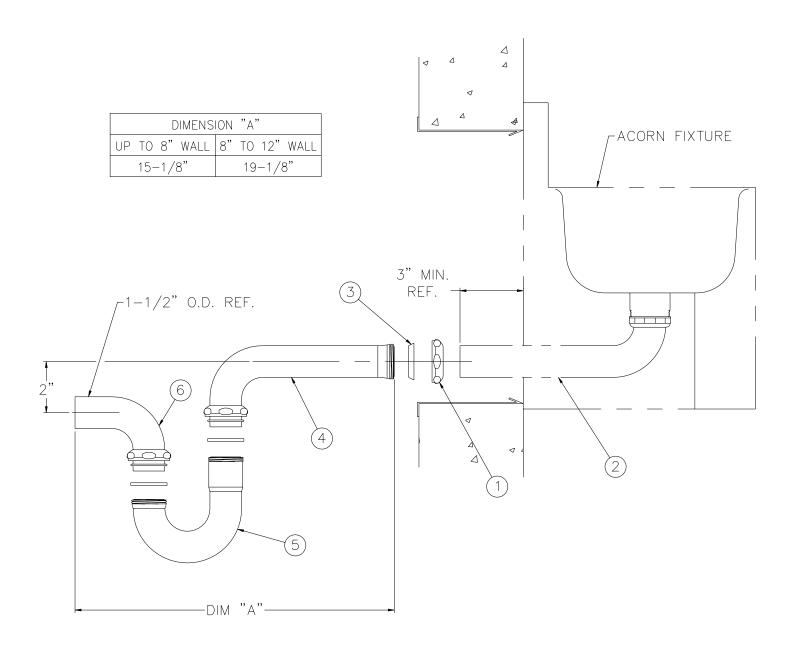
- A. STRIKE A HORIZONTAL CHALKLINE (1) ON THE WALL AT DIMENSION SHOWN, MEASURED FROM THE FINISHED FLOOR ON CELL (FIXTURE) SIDE. THIS WILL LOCATE CENTERLINE FOR HORIZONTAL NOTCHES ON TEMPLATE.
- B. STRIKE A VERTICAL CHALKLINE (2) ON THE WALL TO INDICATE CENTERLINE OF FIXTURE. THIS WILL LOCATE CENTERLINE FOR VERTICAL NOTCHES ON TEMPLATE.
- C. PLACE TEMPLATE AGAINST WALL. LOCATE NOTCHES ALONG CHALKLINES. MARK WALL FOR REQUIRED OPENING.



WALL SLEEVE (-SW)







INSTALLATION INSTRUCTIONS:

- A- AFTER INSTALLING ACORN UNIT ON FINISHED WALL, B- REMOVABLE TUBULAR P-TRAP (5) CONNECTS TO SLIP END WASTE (2). USING COMPRESSION GASKET (3), AND NUT (1) MAKE-UP COMPRESSION CONNECTION WITH SLIP JOINT ELBOW 4.
 - SLIP COMPRESSION NUT (1) OVER 1-1/2" O.D. PLAIN JOINT ELBOW (4) AND PLAIN END ELBOW (6) WITH COMPRESSION CONNECTIONS AS SHOWN. NOTE: TUBULAR P-TRAP IS REMOVABLE IN ORDER TO ALLOW FOR WASTE CLEANOUT.

