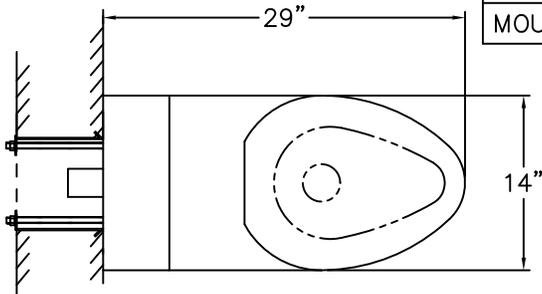




REFERENCE DRAWINGS		
-SW WALL SLEEVE /	-W WALL SUPPLY	9925-232-001
-MT METAL TEMPLATE	-T TOP SUPPLY	9925-233-001
MOUNTING HARDWARE		9957-900-001

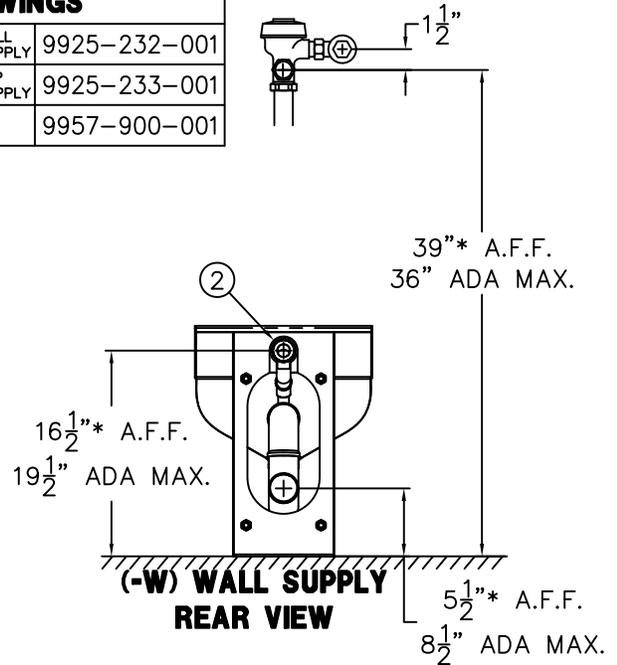


TOP VIEW

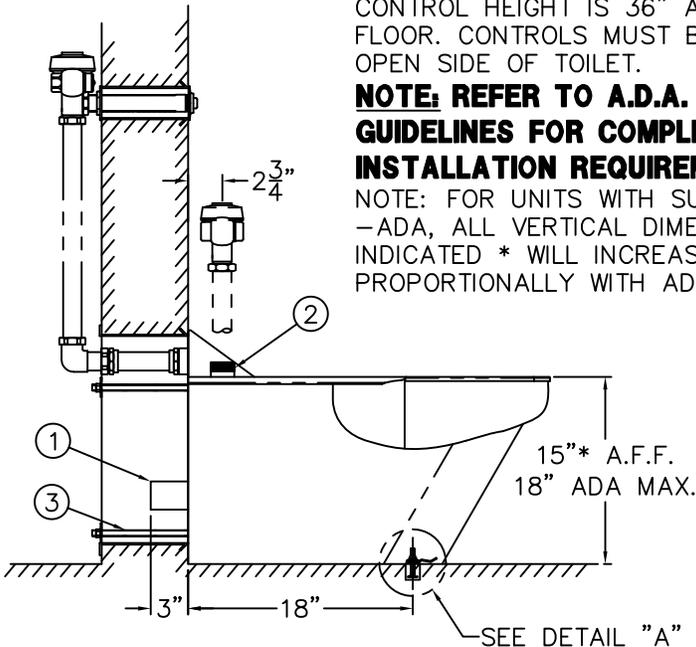
**FOR -ADA MODELS** -FLUSH VALVE MUST BE HYDRAULICALLY ACTUATED OR SUPPLIED WITH A SPECIAL HANDLE. MAX. CONTROL HEIGHT IS 36" ABOVE FINISHED FLOOR. CONTROLS MUST BE LOCATED ON OPEN SIDE OF TOILET.

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

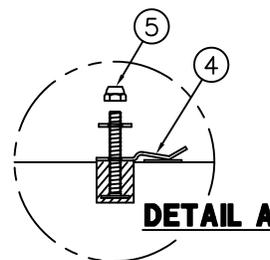
NOTE: FOR UNITS WITH SUFFIX OPTION -ADA, ALL VERTICAL DIMENSIONS INDICATED \* WILL INCREASE PROPORTIONALLY WITH ADA SEAT HEIGHT.



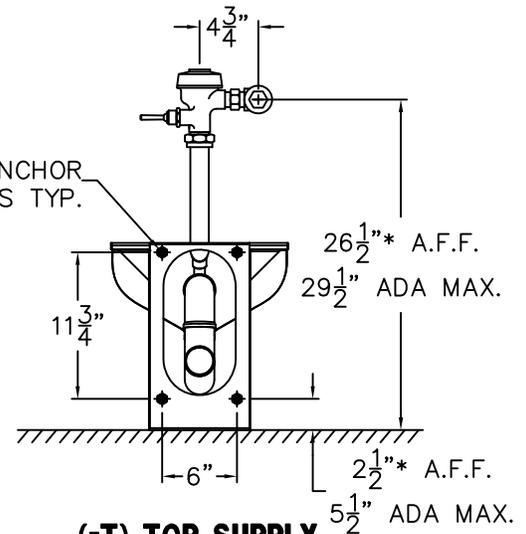
(-W) WALL SUPPLY REAR VIEW



SIDE VIEW



DETAIL A



(-T) TOP SUPPLY REAR VIEW

**INSTALLATION INSTRUCTIONS:**

- A- SEE REFERENCE DRAWING BOX FOR WALL SLEEVE INSTALLATION INSTRUCTIONS (SUFFIX OPTION -SW).
- B- ROUGH-IN PLUMBING FOR THE FOLLOWING CONNECTIONS:  
TOILET WALL WASTE OUTLET 2-3/8" O.D. PLAIN END ①.  
SUFFIX OPTION -W03 3" O.D. PLAIN END WASTE ①.  
FLUSHING INLET CONNECTION 1-1/2" NPT ②.
- C- INSTALL 1/2"-13 ALL THREAD STUDS ③ INTO ANCHOR TAPPINGS AT REAR OF FIXTURE. STUDS MUST HAVE A MINIMUM 1/2" ENGAGEMENT.

- D- ATTACH CONCEALED FLOOR ANCHORS ④ WITH T-BOLT ASSEMBLY ⑤ PROVIDED. SEE DETAIL "A".
- E- PLACE TOILET UP AGAINST CELL WALL, SLIDING THE STUDS THROUGH WALL SLEEVE OPENINGS AND ENGAGING WITH CONCEALED FLOOR ANCHORS ④.
- F- PLACE WASHERS AND NUTS ONTO STUDS ③; TIGHTEN TO 60FT/LBS.
- G- FLUSH SUPPLY LINE. MAKE-UP WASTE CONNECTION AND MOUNT FLUSH VALVE PER MANUFACTURERS' RECOMMENDATIONS.

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>LIGATURE-RESISTANT SIPHON JET TOILET, LR1684 / LR1684-ADA -W/T</b>		
	MANUFACTURE DATE <b>JULY 2017</b> <b>TO PRESENT</b>	DATE ISSUED <b>07/31/17</b>	DRAWING NUMBER <b>9925-175-001</b>
	DATE REVISED		

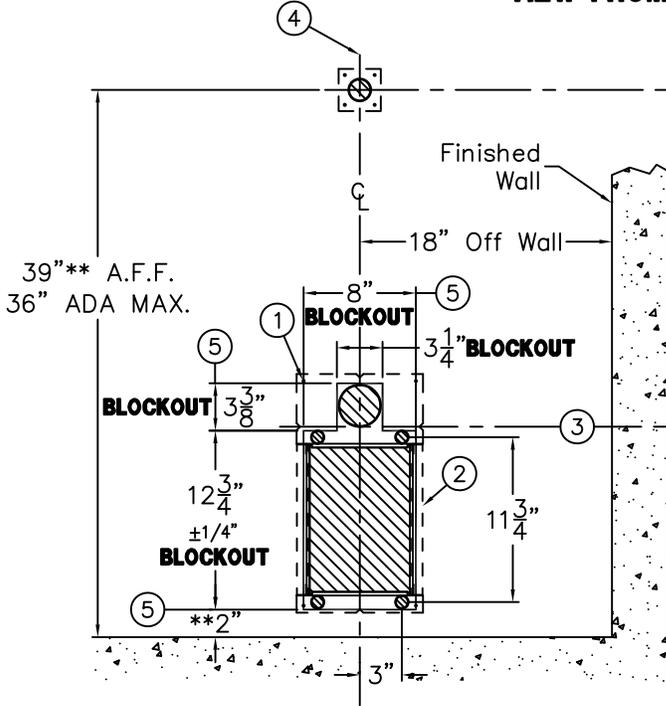


ALL VERTICAL DIMENSIONS INDICATED \*\* INCREASE PROPORTIONATELY WITH ADA SEAT HEIGHT. FOR ADA 18" SEAT HEIGHT, -W FLUSHING INLET BECOMES 19-1/2" AFF.

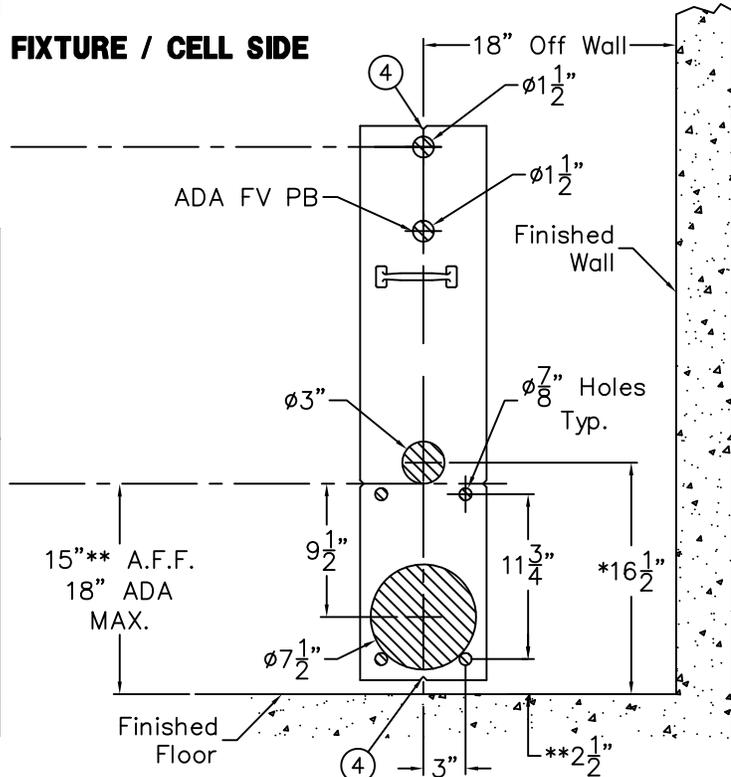


Shaded Areas Are Required Wall Openings

**VIEW FROM FIXTURE / CELL SIDE**



**WALL SLEEVE (-SW)**



**METAL TEMPLATES (-MT)**

**-SW WALL SLEEVES INSTALLATION INSTRUCTIONS:**

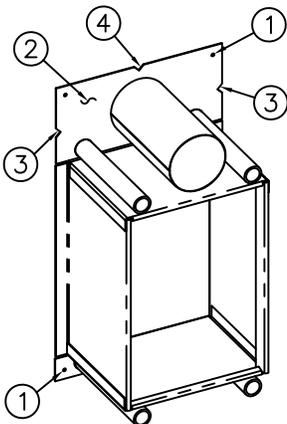
SLEEVES ARE INSTALLED IN FORMS USING NAIL HOLES (1) PROVIDED OR GROUTED INTO BLOCK WALLS, BECOMING A PERMANENT PART OF THE WALL. NOTE: FOR POURED WALL CONSTRUCTION, TEMPORARY BRACING SHOULD BE INSTALLED WITHIN OPENING TO PREVENT DEFORMATION TO SLEEVE WHICH MAY OCCUR DURING POUR. DO NOT POUR CONCRETE DIRECTLY ON TOP OF WALL SLEEVE.

- A- INSTALL SLEEVE WITH FLANGE (2) ON CHASE SIDE OF WALL.
- B- SIDE NOTCHES (3) INDICATE INTEGRAL SEAT HEIGHT LOCATED 15" ABOVE FINISHED FLOOR ON CELL SIDE.
- C- VERTICAL OR TOP AND BOTTOM (4) NOTCHES INDICATE VERTICAL CENTERLINE OF SLEEVE OR TOILET FIXTURE.
- D- USE BLOCK OUT DIMENSIONS (5) SHOWN WHEN SLEEVES ARE NOT AVAILABLE.

**-MT METAL TEMPLATES INSTALLATION INSTRUCTIONS:**

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

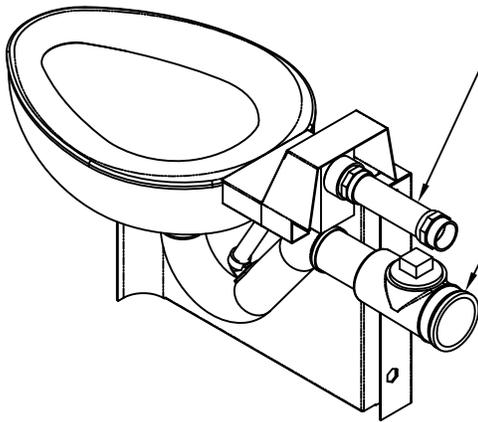
- A- MEASURE FROM THE FINISHED FLOOR ON CELL SIDE AND STRIKE A HORIZONTAL CHALK LINE ON THE WALL AT DIMENSIONS SHOWN TO INDICATE INTEGRAL SEAT HEIGHT (3).
- B- STRIKE A VERTICAL CHALK LINE AT DIMENSIONS SHOWN TO INDICATE VERTICAL CENTERLINE (4) OF SLEEVE OR FIXTURE.
- C- PLACE TEMPLATE AGAINST WALL ALIGNING VERTICAL AND HORIZONTAL NOTCHES WITH CHALK LINES AND MARK REQUIRED WALL OPENINGS.



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TITLE **SLEEVE & TEMPLATE LR/1680-W, LR/1684-W, LR/1680-ADA-W, LR/1684-ADA-W**

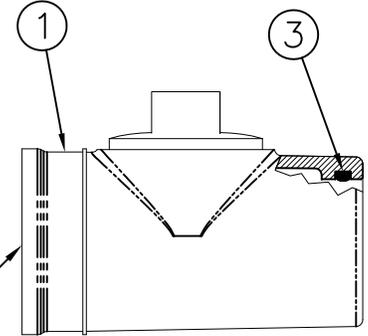
MANUFACTURE DATE	DATE ISSUED	DRAWING NUMBER
<b>FEBRUARY 1975</b>	<b>03/01/90</b>	<b>9925-232-001</b>
<b>TO PRESENT</b>	DATE REVISED	
	<b>08/02/17 B</b>	



Optional -FVT Flush Valve Thru Wall Connection. Shown For Reference.

Optional -CO1 Waste Fitting. Shown For Reference.

REFERENCE DRAWING	
WASTE CONNECTION WITH CLEANOUT -CO1	9985-125-002

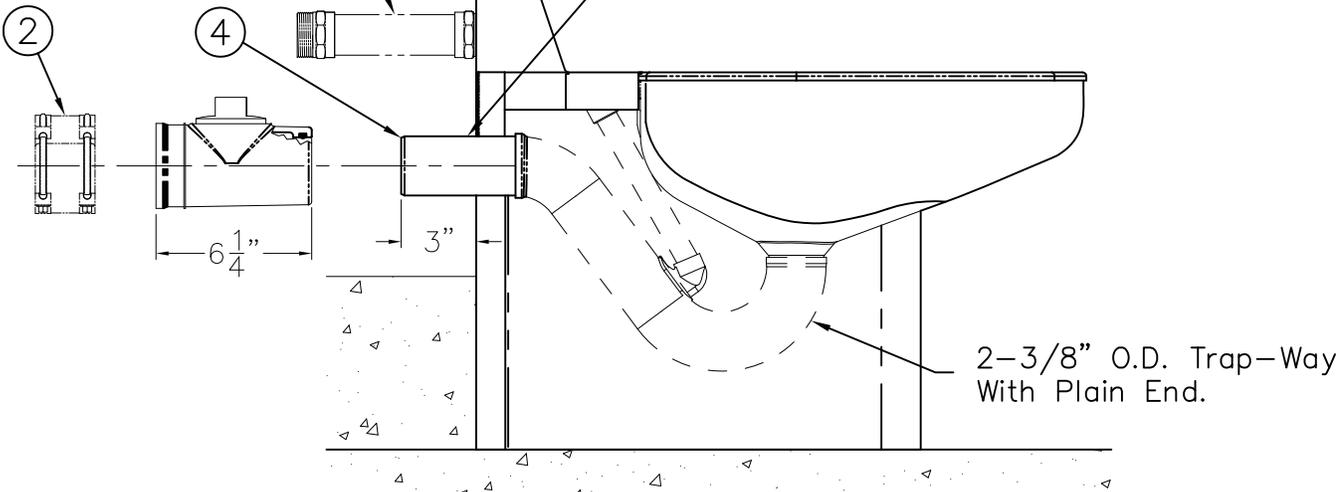


NOTE: Optional -CO1 Waste Fitting Available With 3" or 4" No-Hub

Scaled: X 2

Optional -FVT Flush Valve Thru Wall Connection Shown For Reference

Plain End Extends 3" Beyond Back Of Fixture. Optional Extended Waste Is Available -TWE



MODEL #1685 SHOWN FOR REFERENCE

**INSTALLATION INSTRUCTIONS**

A-INSERT O-RING ③ INTO GROOVE OF WASTE FITTING ①. LUBRICATE THE O-RING ③ WITH O-RING LUBRICANT.

B-INSTALL WASTE FITTING ① TO FIXTURE P-TRAP WASTE EXTENSION ④. ENGAGEMENT IS APPROXIMATELY 1-1/4". NOTE: TOILET WASTE

EXTENSION ④ IS 3" BEYOND BACK OF FIXTURE. LONGER WASTE EXTENSION IS AVAILABLE.

C-MAKE UP WASTE FITTING CONNECTION TO WASTE PIPING USING NO-HUB (BAND) CONNECTOR ② BY OTHERS.

**ACORN ENGINEERING COMPANY**  
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TITLE **NO-HUB WASTE CONNECTION WITH CLEANOUT -CO1**

MANUFACTURE DATE

**JULY 1975**  
**PRESENT**

DATE ISSUED

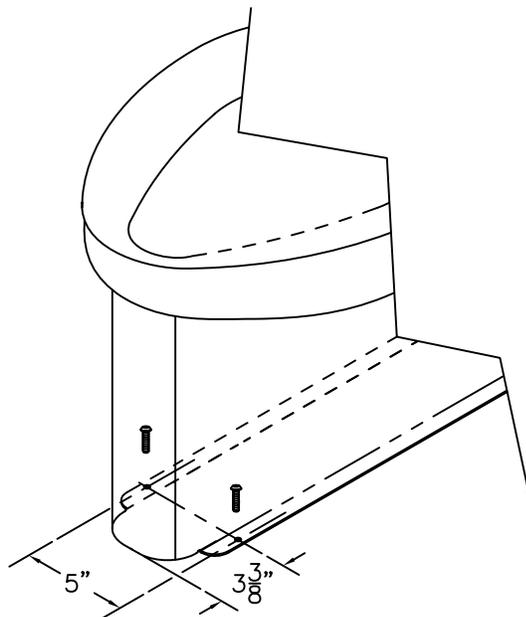
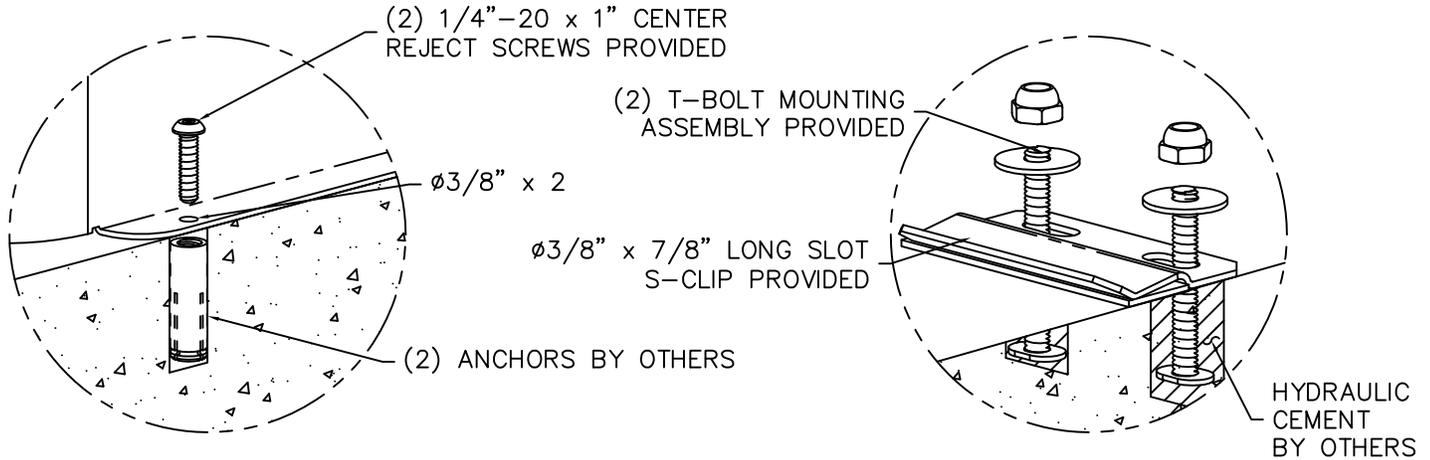
**1/29/96**

DATE REVISED

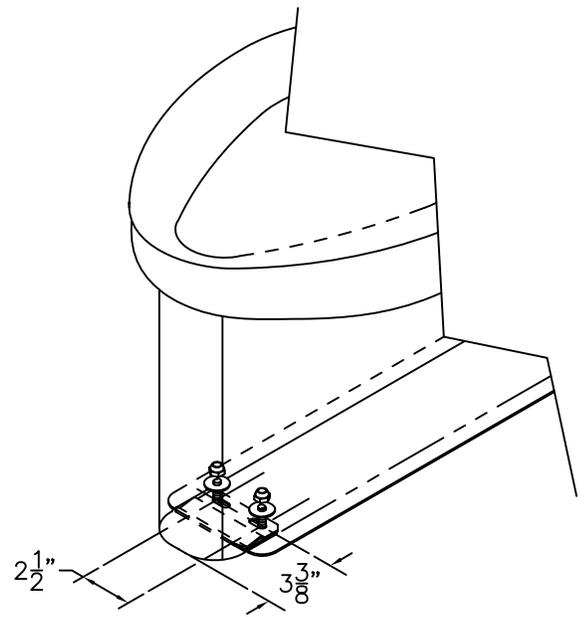
**11/08/13 D**

DRAWING NUMBER

**9925-054-001**



**FLANGE MOUNTING**



**S-CLIP MOUNTING**

-SS-SPS SUICIDE RESISTANT SKIRT OPTION IS PROVIDED WITH ADDITIONAL MOUNTING POINTS NOT NORMALLY PROVIDED WITH OUR STANDARD FIXTURES AND COME IN TWO STYLES AS INDICATED BELOW.

**FIXTURES w/ FLANGE MOUNTING:**

- A-AFTER ROUGHING IN AS REQUIRED, PLACE FIXTURE IN POSITION AND USE AS TEMPLATE TO LOCATE AND MARK FLANGE POINTS ON FLOOR.
- B-REMOVE FIXTURE AND INSTALL FLOOR ANCHORS BY OTHERS FOR 3/8" DIAMETER FLANGE PUNCHING.
- C-ALIGN WALL AND FLOOR ANCHORING POINTS AND COMPLETE FIXTURE INSTALLATION AS INDICATED BY THE FIXTURE INSTALLATION SHEET PROVIDED.

**FIXTURES w/ S-CLIP:**

- A-AFTER ROUGHING IN AS REQUIRED, PLACE FIXTURE IN POSITION AND USE AS A TEMPLATE TO LOCATE AND MARK S-CLIP MOUNTING LOCATION ON FLOOR AS INDICATED.
- B-REMOVE FIXTURE, INSTALL T-BOLTS FOR S-CLIP 3/8" x 7/8" LONG MOUNTING SLOTS AND SECURE WITH HYDRAULIC CEMENT (BY OTHERS)
- C-INSTALL S-CLIP
- D-PLACE FIXTURE ON FLOOR POSITIONING THE "NOSE" OF THE SKIRT SEVERAL INCHES IN FRONT OF S-CLIP MOUNTING LOCATION, SLIDE FIXTURE INTO PLACE ENGAGING THE S-CLIP AND ALIGNING WALL MOUNTING LOCATIONS. COMPLETE FIXTURE INSTALLATION AS INDICATED BY THE FIXTURE INSTALLATION SHEET PROVIDED.



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TITLE **-SPS MOUNTING DETAIL**

MANUFACTURE DATE  
**AUGUST 2012**  
**TO PRESENT**

DATE ISSUED  
**08/15/12**  
 DATE REVISED  
**11/05/13 A**

DRAWING NUMBER  
**9925-007-001**