INSTALLATION INSTRUCTIONS:

IMPORTANT: SOME OPTIONS MAY SLIGHTLY ALTER INSTALLATION PROCEDURES. READ ALL SUPPLEMENTAL DRAWINGS BEFORE INSTALLATION OF FIXTURE. ALL FASTENERS, PLATES AND NUTS PROVIDED ARE ESSENTIAL IN PROPERLY ANCHORING THE FIXTURE. ACORN CANNOT ASSUME ANY RESPONSIBILITY FOR UNITS IMPROPERLY INSTALLED.

A—ROUGH-IN PLUMBING FOR THE FOLLOWING CONNECTIONS:
- TOILET WALL WASTE OUTLET: 7-1/2" DIA. RECESSED GASKET FLANGE (1).
- TOILET FLOOR WASTE OUTLET: 7-1/2" DIA. RECESSED GASKET FLANGE WITH 5/16" TAPPINGS AT 6" O/C (2).
- FLUSH VALVE INLET CONNECTION 1" NPT (3).
- LAV WASTE OUTLET 4 1-1/2" O.D. PLAIN END STANDARD.
- 1/2" NPS LAV VALVE ROUGH-IN (5).

B—USE INSTALLER PROVIDED 1/2" WALL ANCHORS (6). SECURE (6) 1/2"-13 UNC STUDS (7) INTO WALL ANCHORS OR FOR UNITS WITH OPTIONAL -SW WALL SLEEVES, SECURE 1/2"-13 STUDS TO SLEEVE ANCHOR TAPPINGS.

C—INSTALL HYDRAULIC FLUSH VALVE AND PUSHBUTTON (SHIPPED LOOSE) WITHIN CABINET.

D—BEFORE FASTENING FIXTURE TO THE WALL, FLOOR OUTLET TYPE FIXTURES MUST BE SET IN PLACE ON WASTE CONNECTION.

E—LOCATE FIXTURE INTO PLACE, REMOVE ACCESS PANELS, SECURE FIXTURE TO WALL ANCHORS OR SLEEVE ANCHORS WITH NUTS AND WASHERS. MAKE SUPPLY AND WASTE CONNECTIONS AS REQUIRED. LAV WASTE OF 1-1/2" O.D. PLAIN END SUITABLE FOR A COMPRESSION CONNECTION.

HYDRAULIC FLUSH VALVE NOTES:
1. DO NOT CUT LENGTH OF TUBING PROVIDED.
2. DO NOT TAPE OR FIX TUBING IN A STATIONARY POSITION.
WALL SLEEVE

VIEW IS FROM CELL SIDE
SHADED AREAS ARE REQUIRED WALL OPENINGS

WALL SLEEVE

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

A. INSTALL SLEEVE WITH FLANGE ON CHASE SIDE OF WALL.
B. LOCATE TOP AND BOTTOM NOTCHES AT VERTICAL CENTERLINE OF PLUMBING FIXTURE.
C. LOCATE SIDE NOTCHES 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.

ACORN ENGINEERING COMPANY
P.O. BOX 3577 INDUSTRY, CA 91744
(828) 556-4501 FAX (828) 961-2202

TITLE WALL SLEEVE FRONT ACCESS (CAT. #1418-FA)

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<td>JUNE 1971</td>
<td>9-23-92</td>
<td>9925-207-001</td>
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<td>TO PRESENT</td>
<td>6/16/98</td>
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INSTALLATION INSTRUCTIONS - COMBY AND 1679 TOILET PRIOR TO MOUNTING FIXTURE ON WALL:

A- LOCATE HINGED SEAT MOUNTING HOLES ON FIXTURE.  
B- POSITION HINGED SEAT AGAINST UNIT.  
C- ASSEMBLE NUT, WASHER AND LOCK-WASHER AS SHOWN IN MOUNTING DETAIL "A-A".

INSTALLATION INSTRUCTIONS - TOILETS PRIOR TO MOUNTING FIXTURE ON WALL:

A- LOCATE HINGED SEAT MOUNTING HOLES IN FIXTURE. 
B- INSERT WASHERS BETWEEN TOP OF TOILET AND HINGE SEAT. 
C- POSITION HINGED SEAT ON TOP OF UNIT. 
D- ASSEMBLE HARDWARE AS SHOWN IN MOUNTING DETAIL "B-B".

ACORN ENGINEERING COMPANY
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MANUFACTURE DATE: FEBRUARY 1999 TO PRESENT
DATE ISSUED: 02/22/99
DATE REVISED: 03/26/01
DRAWING NUMBER: 9925-048-001
### PENAL-WARE FIXTURES

#### INSTALLATION INSTRUCTIONS

#### Dimensions

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Note: "B" Dimensions are taken from cell side.

- 1415-AL Angled left shown
- 1415-AR Angled right opposite

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Note: "B" Dimensions are taken from cell side.

- 1420-AL Angled left shown
- 1420-AR Angled right opposite

### Diagrams

#### Model 1418

- Angled right shown
- Dimensions:
  - "A" 15"
  - "B" 17"

#### Model 1426

- Angled right shown
- Dimensions:
  - "A" 15"
  - "B" 21"

### Additional Notes

- Model 1418-AR Angled right shown
- Model 1426-AR Angled right shown

### Additional Information

- THIS SHEET IS INTENDED TO ASSIST INSTALLER WITH LOCATION OF UNIT CENTERLINE ON CHASE WALL WHEN ANGLED TOILET BOWLS ARE SPECIFIED.
**Penal-Ware Suicide Prevention Skirt**

**Installation Instructions**

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### 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 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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**Acorn Engineering Company**

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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