Penal-Ware® 1449FA Series
ADA 2010 Compliant - Lav/Toilet Comby - Offset Toilet Bowl - Front Access

Federal Public Law 111-380 (No Lead)

U P C ®C

1449FA-LO-2-BPH-PBH-04-DMB-BPH
Fixture May Show Some Available Options

WaterSense Meets EPA Criteria - Certified by IAPMO R&T

Please visit *www.acorneng.com* for most current specifications.

ADA 2010 Compliant - Lav/Toilet Comby - Offset Toilet Bowl

IMPORTANT: For Compliance with CBC Calif. Title 24 refer to 1452 and LR1452 series.

Fixture is arranged to be installed on finished wall and serviced through removable access panels. Panels are secured with vandal resistant fasteners and are located on the face of the cabinet, on the open side of the cabinet and below the lavy section. Fixture cabinet and toilet are fabricated from 14 gage, type 304 stainless steel and polished to a satin finish. The inside of the toilet bowl also includes a satin finish. Cabinet interior is sound deadened with fire-resistant material. Optional Wall Sleeve or Metal Template is recommended for all installations to provide required wall openings. Unit complies with the accessibility requirements of ANSI, UFAS, ADA, and OBC regarding toilet and lavatory fixtures. Compliance is subject to the interpretation and requirements of the local code authority.

Lavatory 'D' Bowl is 15-1/4" x 12-1/2" x 4" deep. Standard P-trap waste outlet is 1-1/2" O.D. plain end.

Spouts selections are located on the deck to the rear of the bowl with valve controls located to the right and/or left of the DMS spout or DMB bubbler option.
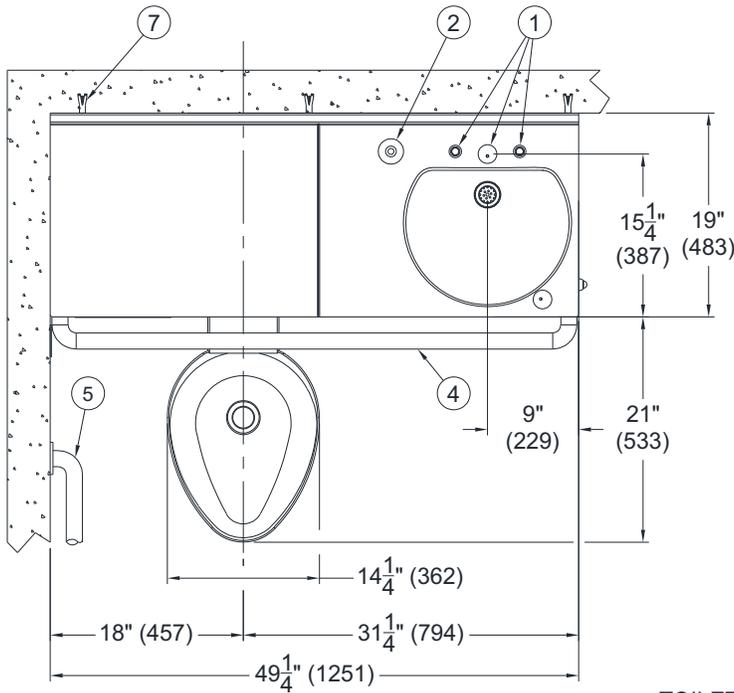
Optional Valve may be an Air-Control pneumatically operated, pushbutton valve with 1.4 GPM flow control for the DMS spout option and 0.70 GPM flow control for the DMB bubbler options. Pushbutton requires less than 5 lbs. to activate valve. Valve is metering, non-hold open type. Timing is from 5 to 60 seconds. Valve can be remotely located up to 10 feet from the operating pushbutton. Valve and bubbler conform to the requirements of for NSF61, section 9 and is IAPMO R&T certified to meet the lead free requirements of Section 1417 of the Federal Safe Drinking Water Act and Section 116875 of the California Health & Safety Code.

Toilet is blowout jet type with elongated bowl manufactured to ASME A112.19.3 and CSA B45.4 requirements and will flush with a minimum of 25 PSI flow pressure when used in conjunction with a minimum of 1.6 GPF. Trap has a minimum 3-1/2" seal and will pass a 2-1/8" ball. Toilet waste is gasket waste. Unit is provided with Suicide Resistant Skirt (SPS, optional on other fixtures).
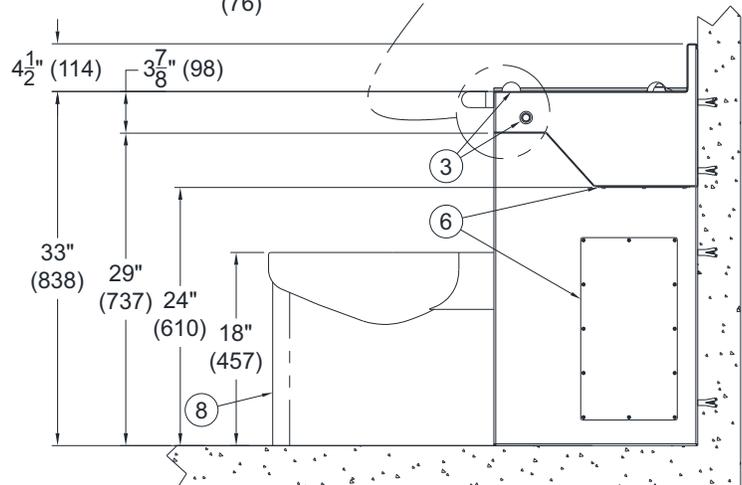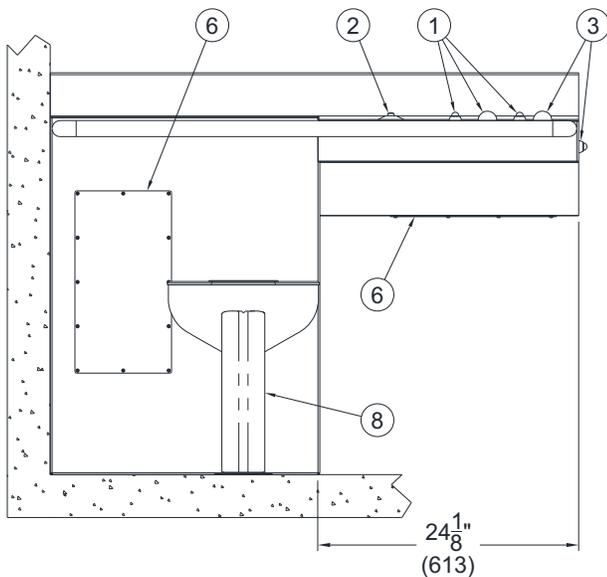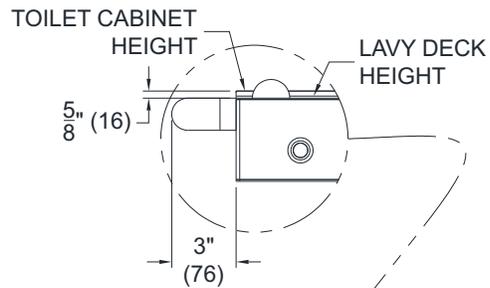
Grab Bar is heavy gage type 304 stainless steel construction, 1-1/2" diameter, extends the width of the fixture and measures 47-3/8" long from center to center. Grab bar is positioned behind toilet and is integral to the cabinet. Important: Optional Grab Bar Closure Plate may affect ADA Conformance.

GUIDE SPECIFICATION

Provide and install Acorn Penal-Ware ADA 2010 Lav/Toilet-Comby-Offset Toilet Bowl (specify model number and options). Fixture shall be fabricated from type 304 stainless steel. Construction shall be seamless welded and exposed surfaces shall have a satin finish. Provide 36" minimum long stainless steel grab bar to be located behind toilet. Fixture shall have an Air-Control pneumatically operated, metering, non-hold open pushbutton valve. Valve shall require less than 5 lbs. to activate. Valve and bubbler conform to the requirements of NSF61, section 9 and is IAPMO R&T certified to meet the lead free requirements of Section 1417 of the Federal Safe Drinking Water Act and Section 116875 of the California Health and Safety Code. Toilet shall be concealed blowout jet type with an elongated bowl, a self-draining flushing rim, and an integral contoured seat. Fixture shall be cUPC certified and toilet shall meet ASME A112.19.3 and CSA B45.4 requirements and will flush with a minimum of 25 PSI flow pressure when used in conjunction with a minimum of 1.6 GPF. Toilet trap shall have a minimum 3-1/2" seal that shall pass a 2-1/8" diameter ball and be fully enclosed. Cabinet interior is to be sound deadened with fire-resistant material. Fixture shall withstand loadings of 5,000 pounds without permanent damage. Fixture shall be furnished with necessary fasteners for proper installation.

| **Page 1** | **P.1449FA** | *Revised: 03/05/25* |

1. DECK MOUNTED SPOUT & PUSHBUTTONS FOR -04-M VALVE OPTION

2. HYDRAULIC FLUSH PUSHBUTTON

3. OPTIONAL DMB-BPH CUP FILLER & PUSHBUTTON

4. 1-1/2" DIA X 49" LG GRAB BAR

5. 42" LONG GRAB BAR BY OTHERS

6. ACCESS PANELS

7. WALL ANCHORS BY OTHERS

8. SPS STYLE SKIRT FEATURE STANDARD

Penal-Ware® 1449FA: ADA 2010 - Lav/Toilet Comby - Offset Toilet Bowl - Front Access

WALL THICKNESS AND TYPE (Must Specify)
Thickness: _____ Type: ❏ Concrete ❏ Block ❏ Steel

MODEL AND OPTIONS SELECTION:

BASE MODEL NUMBER
☑ 1449FA   49" Lav-Toilet Comby

TOILET ORIENTATION (Must Specify)
❏ -LO   Left Offset
❏ -RO   Right Offset

FIXTURE MOUNTING AND WASTE (Must Specify)
❏ -2   On-Floor, Wall Outlet
❏ -3   On-Floor, Floor Outlet

SPOUT SELECTION (Must Specify)
❏ -DMS   Deck Mounted Spout
❏ -DMB   Deck Mounted Bubbler (In Lieu of Spout)
    ❏ -BC   Bubbler, Code
    ❏ -BP   Bubbler, Penal
    ❏ -BPH Bubbler, Penal Hemispherical

VALVE SELECTION (Must Specify)
Air-Control (Pneumatic)
❏ -03-M   Single Temp, Metering
❏ -04-M   Hot & Cold, Metering

Master-Trol® (Electronic)
❏ -EVS1   Single Temp
❏ -EVS2   Hot & Cold
❏ -EVSP1   Single Temp, Piezo Button
❏ -EVSP2   Hot & Cold, Piezo Buttons

Master-Trol® PLUS (Electronic)
❏ -MTP1   Single Temp
❏ -MTP2   Hot & Cold
❏ -MTPP1   Single Temp, Piezo Button
❏ -MTPP2   Hot & Cold, Piezo Buttons
  -MTP VALVE OPTION
  ❏ -PFB   Power Failure Bypass
(Provides drinking water in the event of power failure)

Time-Trol® (Electronic)
❏ -MVC1   Single Temp
❏ -MVC1-BAT Single Temp Battery Powered
    (Batteries Not Included)
❏ -MVC2   Hot & Cold
❏ -MVC2-BAT Hot & Cold Battery Powered
    (Batteries Not Included)

Programmable (Electronic) w/9VDC Plug-In Transformer
❏ -PPZ1   Single Temp Programmable Piezo Button
❏ -PPZ2   Hot & Cold Programmable Piezo Button

Valve By Others
❏ -9   Punched for Valve by Others

VALVE OPTIONS
❏ -BRS   Brass Body Valve
❏ -CI   Cycle Interrupt for Time-Trol® Valves
❏ -MA2   Manifolded, 2-Stack
❏ -MA3   Manifolded, 3-Stack (N/A with -PFB option)
❏ -MA4   Manifolded, 4-Stack (N/A with -PFB option)
❏ -PBH   Hemispherical Pushbutton
❏ -TF   Transformer, 120VAC to 24VAC (-MVC option only)

FLUSH VALVE GPF's (Must Specify)
❏ -1.28 GPF (HET)
❏ -1.6 GPF (Not Available in California)
❏ -3.5 GPF (Not Available in California)

FLUSH VALVE OPTIONS (Must Specify)
❏ -EVSFV   Master-Trol® Electronic Flush Valve
❏ -EVSPFV Master-Trol® Electronic Flush Valve w/ Piezo Button
❏ -FVBO   Flush Valve by Others
❏ -FVH   Flush Valve, Hydraulic
❏ -MTPFV   Master-Trol® PLUS Electronic Flush Valve
❏ -MTPPFV Master-Trol® PLUS Electronic Flush Valve w/ Piezo Button
❏ -MVCFV   Time-Trol® Electronic Flush Valve

CABINET OPTIONS
❏ -FMT   Fixture Mounted Trim
❏ -GBC   Grab Bar Closure Plate (May Affect ADA Conformance)
❏ -LGB   Less Grab Bar
❏ -PH   Paper Holder, not ADA Compliant
    (Opposite Toilet/Offset Orientation)
❏ -TB   Toothbrush Holder Single Hole
    (Installed on lavy side of unit)
❏ -TG   12 Gage Cabinet
❏ -TH   Towel Hook, ❏ Single ❏ Double
    (Installed on lavy side of unit)
❏ -VG5   Vent Grille 7-1/2" x 10-1/2"

LAVATORY WASTE OPTIONS
❏ -CW   Combined Waste
❏ -OF   Lavatory Overflow

TOILET OPTIONS
❏ -FT   Flood-Trol (Manual Reset)
❏ -FTA   Flood-Trol Auto-reset
❏ -FTE   Flood-Trol Electronic
❏ -HPS   High Polished Seat
❏ -PE   Plain End Waste Outlet, Extended 3"
    Beyond Back of Fixture
❏ -TSC   Toilet Shipping Cover
❏ -TWE   Toilet Waste Extension, (3" Standard w/ PE)
    Specify Length Beyond
    Fixture: _____
❏ -WO3B   2-3/8" OD P-Trap w/ 3" OD
    Plain End Waste Outlet Connection,
    Extended 3" Beyond Back of Fixture

PRODUCT OPTIONS

❏ -EGE   Enviro-Glaze, Specify Color: _____
    Toilet Exterior Only
❏ -DMB   Deck Mounted Drinking Bubbler
    (Cold water only) N/A with -03-M tempered supply
    ❏ -BP Penal Style   ❏ -BC Code Style
    ❏ -BPH Penal Hemispherical Style
❏ -LPFV   Less Punching for Flush Valve
❏ -MT   Metal Template
    (Only 1 required per project)
❏ -SW   Wall Sleeve
❏ -VAC   AcornVac Systems

Please visit **www.acorneng.com** for most current specifications.   ⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Important: Installation instructions and current rough-in are furnished with each fixture. Do not rough in without certified dimensions.
Dimensions are subject to manufacturer's tolerance of plus or minus 1/4" and change without notice. Acorn assumes no responsibility for use of void or superseded data. © Copyright Acorn Engineering Company

Selection Summary	Approved for Manufacturing
Model No. & Options_____	Company_____Title_____
Quantity_____	Signature_____ Date_____