



Penal-Ware® 1452FA Series

CBC (California Title 24) - Compliant - Lav/Toilet Comby Offset Toilet Bowl - Front Access



1452FA-LO-2-DMS-04-DMF-BP

Fixture May Show Some Available Options



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

CBC (California Title 24) Compliant - Lav/Toilet Comby - Offset Toilet Bowl

Unit includes specific detail to conform with CBC requirements including: Lavatory Clearance to Adjacent Side Wall [11B-606.6] and Toe Clearance for Extended Reach [11B-306.2 Exception].

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 gauge, type 304 stainless steel and polished to a #4 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. Fixture shall withstand loadings of 5,000 pounds without permanent damage. Unit complies with the accessibility requirements of ANSI, UFAS, CBC (California Title 24), and ADA 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.

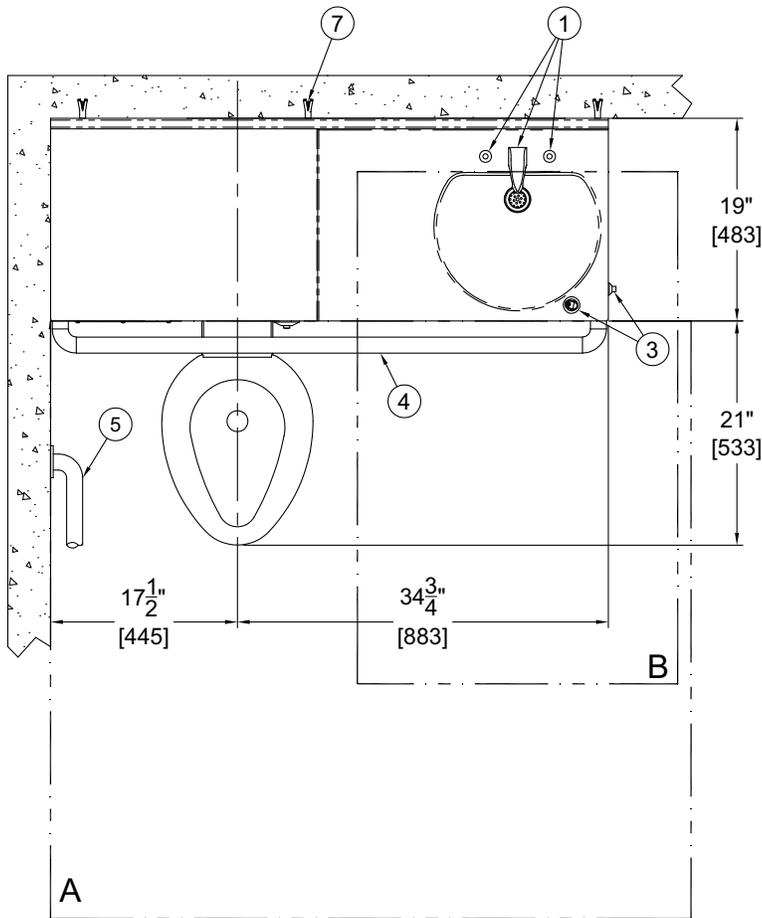
Optional Valve may be an Air-Control pneumatically operated, pushbutton valve with 1.4 GPM flow control for the DMS spout option, 0.50 GPM flow control for the DMB Bubbler Spout options. Valve is metering, non-hold open type. Timing is from 5 to 60 seconds. The optional -DMF Cup Filler has a 0.7 GPM flow control and uses a Non-Metering Air-Control Valve. Pushbuttons require less than 5 lbs. to activate valve. Valve is mounted within the cabinet. 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 ANSI A117.1, Public Law 111-380 (NO-LEAD), CHSC 116875 and NSF/ANSI/CAN 61-2020 Section 9.

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 1.28 GPF. Trap has a minimum 3-1/2" seal and will pass a 2-1/8" ball. Toilet waste is Recessed Gasket Flange. Unit is provided with Suicide Resistant Skirt (SPS, optional on other fixtures).

Grab Bar is heavy gauge type 304 stainless steel construction, 1-1/2" diameter, extends the width of the fixture and measures 50-3/8" long from center to center. Grab Bar is positioned behind toilet and is integral to the cabinet.

GUIDE SPECIFICATION

Provide and install Acorn Penal-Ware CBC (California Title 24), and ADA 2010 Compliant - Lav/Toilet-Comby-Offset Toilet Bowl (specify model number and options). Fixture shall be fabricated from 14 gauge type 304 stainless steel. Construction shall be seamless welded and exposed surfaces shall have a #4 satin finish. Provide 50-3/8" long stainless steel grab bar to be located behind toilet. Fixture shall have an Air-Control pneumatically operated, metering, non-hold open pushbutton valve. Pushbuttons shall require less than 5 lbs. to activate valves. Spout, Bubbler, Cup Filler, and Valves, conform to the requirements of NSF61, section 9 and is IAPMO R&T certified to meet the lead free requirements of ANSI A117.1, Public Law 111-380 (NO-LEAD), CHSC 116875 and NSF/ANSI/CAN 61-2020 Section 9. 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 1.28 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.

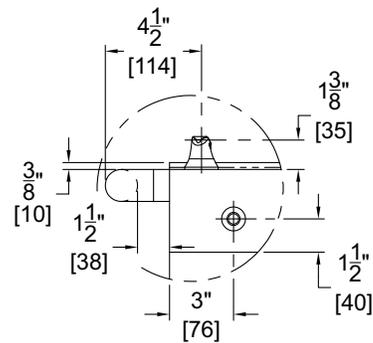


CLEAR FLOOR SPACE DETAILS

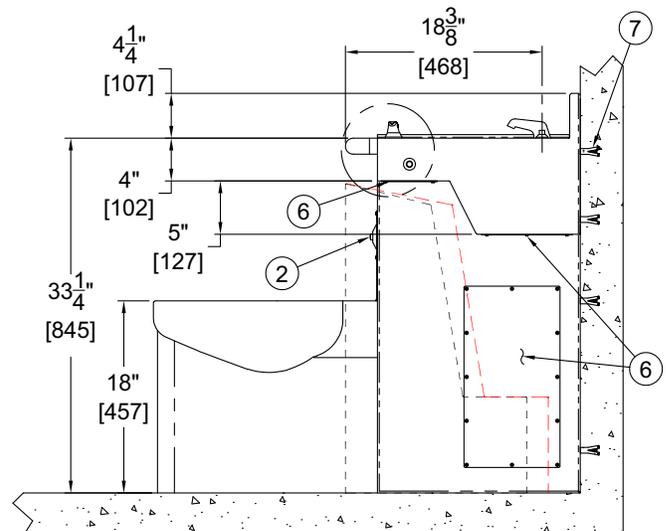
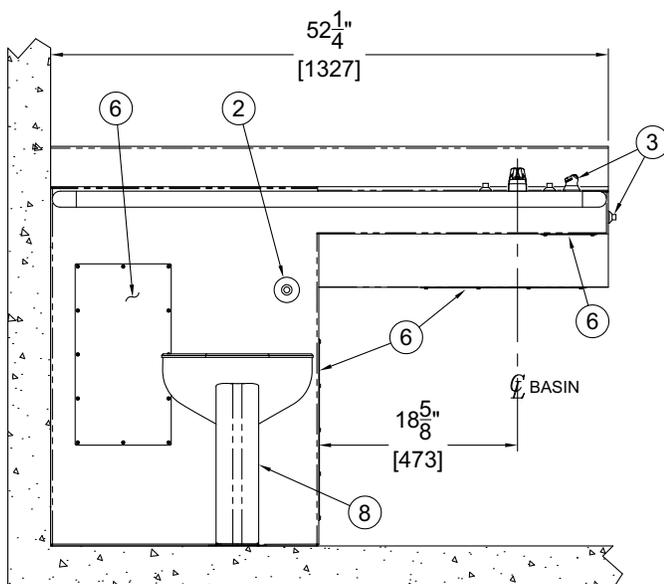
A 60" MIN WIDE x 56" MIN DEEP WATER CLOSET CLEARANCE REQUIRED; MAY OVERLAP TURNING SPACE

B 30" MIN WIDE x 48" MIN CLEAR FLOOR SPACE w/ TOE & KNEE CLEARANCE; EXTENDING 17" FROM FRONT APRON

1. OPTIONAL -DMB DECK MOUNTED SPOUT & -04 PUSHBUTTONS, SHOWN
2. HYDRAULIC FLUSH PUSHBUTTON
3. OPTIONAL -DMF-BP, CUP FILLER & PUSHBUTTON, SHOWN
4. GRAB BAR
5. 42" LONG GRAB BAR BY OTHERS
6. ACCESS PANELS
7. WALL ANCHORS BY INSTALLER
8. SPS STYLE SKIRT FEATURE STANDARD



-DMF DETAIL



CBC PROFILE

CBC EXTENDED REACH

PER 11B-306.2 EXCEPTION

1452FA-LO-2-DMS-04-M-DMF-PB-FVH

Penal-Ware® 1452FA: CBC (Calif. Title 24) Compliant - Lav/Toilet Comby - Front Access



WALL THICKNESS AND TYPE (Must Specify)

Thickness: _____ Type: Concrete Block Steel

MODEL AND OPTIONS SELECTION:

BASE MODEL NUMBER

1452FA 52" Front Access 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 Bubblers (In Lieu of Spout)
 -BC Bubblers, Code
 -BP Bubblers, Penal
 -BPH Bubblers, Penal Hemispherical

CUP FILLER SELECTION (Optional)

-DMF Deck Mounted Cup Filler (Cold Water Only) N/A with -03-M Tempered Supply
 -BP Penal Style
 -BPH Penal Hemispherical Style

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 OPTIONS

-BRS Brass Body Valve
 -CI Cycle Interrupt for Time-Trol® Valves
 -MA2 Manifoldd, 2-Stack
 -PBH Hemispherical Pushbutton
 -TF Transformer, 120VAC to 24VAC (-MVC option only)

FLUSH VALVE GPF's (Must Specify)

-1.28 GPF (HET)

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

-GBC Grab Bar Closure Plate (May be deemed non-compliant)
 -LGB Less Grab Bar
 -PH Paper Holder, not CBC 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 (Verify Code Compliance)
 -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: _____ Cabinet and Toilet Exterior Only
 -LPFV Less Punching for Flush Valve
 -MT Metal Template (Only 1 required per project)
 -SW Wall Sleeve

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

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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| <p>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</p> | |
| <p style="text-align: center;">Selection Summary</p> <p>Model No. & Options _____</p> <p>Quantity _____</p> | <p style="text-align: center;">Approved for Manufacturing</p> <p>Company _____ Title _____</p> <p>Signature _____ Date _____</p> |