



Secur-Care® - Ligature Resistant LR1452 Series
 CBC (California Title 24) - Compliant - Ligature Resistant Lav/Toilet Comby Offset
 Toilet Bowl



LR1452-LO-2-DMB-BPH-04-M-PBH-LR-DMF-BPH-FVH

Fixture May Show Some Available Options

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

CBC (Calif. Title 24) Compliant - Ligature Resistant 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 from an accessible pipe chase. Fixture is seamless welded construction and polished to a #4 satin finish. Fixture cabinet and toilet is fabricated of 14 gauge, type 304 stainless steel and polished to a satin finish. The inside of the toilet bowl also has a satin finish. Cabinet interior is sound deadened with fire-resistant material. Access panel is provided to service lavy valve pushbuttons. 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 extending 3" beyond the back of fixture.

Spout are located on the deck to the rear of the bowl with valve controls located to the right and/or left of the DMB Bubbler.

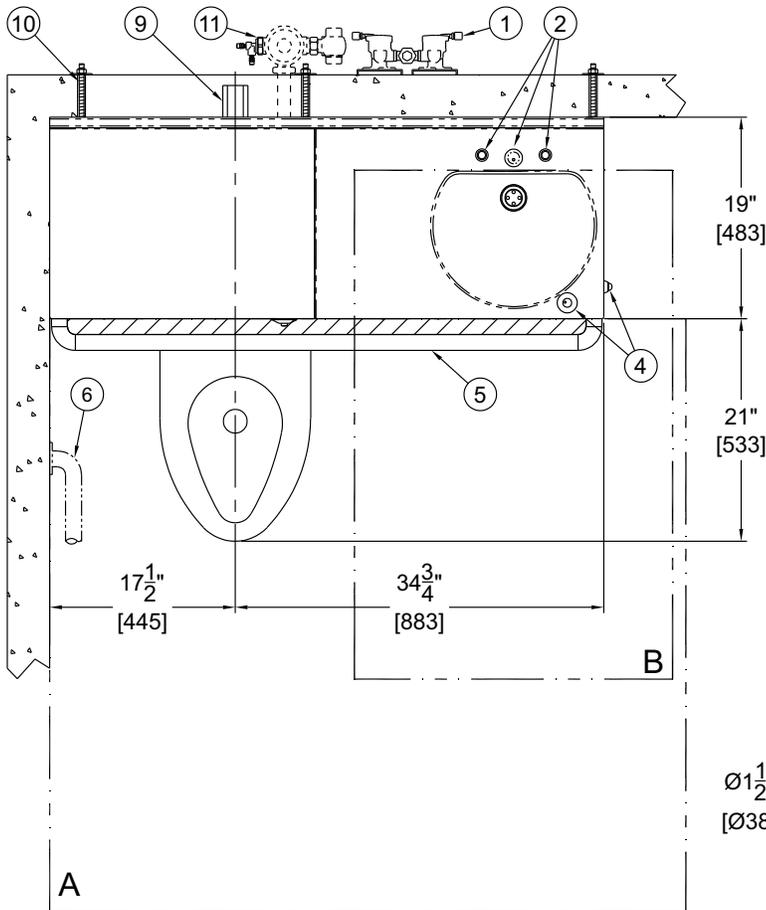
Optional Valve may be an Air-Control pneumatically operated, pushbutton valve with 0.7 GPM flow control for the DMB-PBH Hemispherical Bubbler. Valve is metering, non-hold open type. Timing is from 5 to 60 seconds. The optional -LRDMF-PBH Cup Filler has a 0.7 GPM flow control and uses a Non-Metering Air-Control Valve. Pushbuttons require less than 5 lbs. to activate valve. Valve 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 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 outlet is 2-3/8" diameter plain end extending 3" beyond the back of fixture for wall outlet and Recessed Gasket Flange for floor outlet. Unit is provided with Ligature Resistant Skirt.

Grab Bar is heavy gauge type 304 stainless steel construction, 1-1/2" diameter with an "L" Shaped Closure for Ligature Resistance, 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. **NOTE:** Grab Bar includes a Closure Plate for Ligature Resistance which may not be deemed as compliant.

GUIDE SPECIFICATION

Provide and install Secur-Care® - Ligature Resistant CBC (California Title 24) and ADA 2010 Compliant 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 #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. 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.

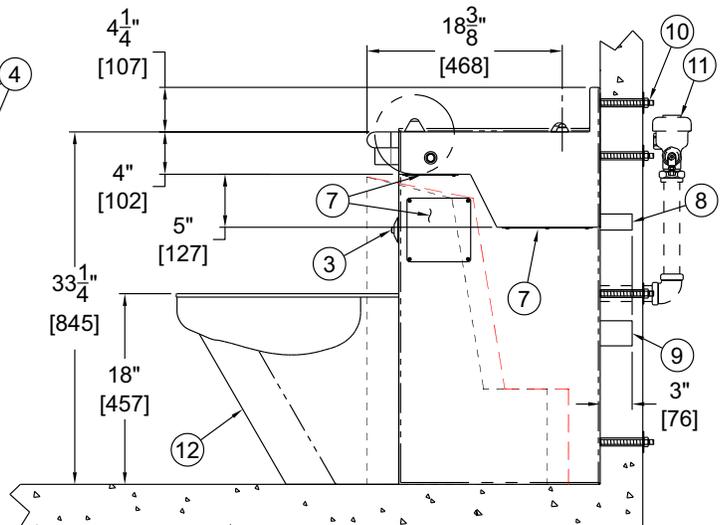
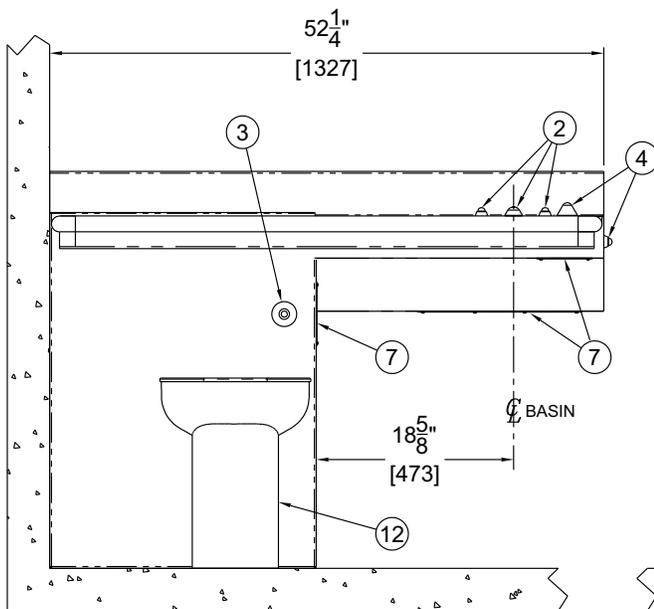
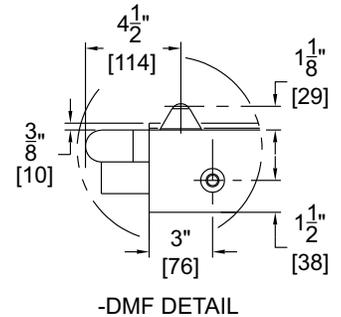
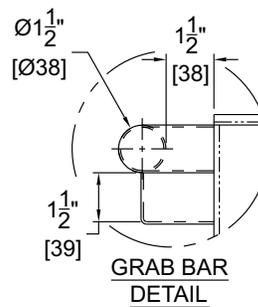


CLEAR FLOOR SPACE DETAILS

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 -04-M AIR-CONTROL VALVE
2. DECK MOUNTED HEMISPHERICAL BUBBLER & -04 HEMISPHERICAL PUSHBUTTONS
3. HYDRAULIC FLUSH VALVE PUSHBUTTON
4. -LR-DMF-BPH, LIGATURE RESISTANT CUP FILLER & HEMISPHERICAL PUSHBUTTON
5. GRAB BAR w/ "L" SHAPED CLOSURE PLATE
6. 42" LONG GRAB BAR BY OTHERS
7. FLUSH MOUNTED ACCESS PANEL
8. 1-1/2" OD LAVY WASTE OUTLET
9. 2-3/8" OD TOILET WASTE OUTLET
10. WALL MOUNTING HARDWARE
11. HYDRAULIC FLUSH VALVE, SHOWN
12. LIGATURE RESISTANT SKIRT



CBC PROFILE

CBC EXTENDED REACH

PER 11B-306.2 EXCEPTION

LR1452-LO-2-DMB-BPH-04-M-PBH-LR-DMF-BPH-FVH



WALL THICKNESS AND TYPE (Must Specify)

Thickness: _____ Type: Concrete Block Steel

MODEL AND OPTIONS SELECTION:

BASE MODEL NUMBER

LR1452 52" Ligature Resistant 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 w/ Gasket Waste Outlet

SPOUT SELECTION

-DMB-BPH Deck Mounted Bubbler, Penal Hemispherical

CUP FILLER SELECTION (Optional)

-LR-DMF-PBH Ligature Resistant Deck Mounted Cup Filler (Cold water only) N/A with -03-M Tempered Supply

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 Manifolded, 2-Stack
 -PBH Hemispherical Pushbutton
 -TF Transformer, 120VAC to 24VAC (-MVC option only)

FLUSH VALVE GPF's (Must Specify)

-1.28 GPF

FLUSH VALVE OPTIONS (Must Specify)

-EVSFV Master-Trol® Electronic Flush Valve
 -EVSFPV Master-Trol® Electronic Flush Valve w/ Piezo Button
 -FVBO Flush Valve by Others (Select with 2898 & 2802 Covers)
 -FVH Flush Valve, ADA Hydraulic (-W and -W-ADA Only)
 -MTPFV Master-Trol® PLUS Electronic Flush Valve
 -MTPPFV Master-Trol® PLUS Electronic Flush Valve w/ Piezo Button
 -MVCFV Time-Trol® Flush Valve (-W and -W-ADA Only)

CABINET OPTIONS

-LGB Less Grab Bar
 -PH Paper Holder, not CBC Compliant (Opposite Toilet/Offset Orientation)
 -TG 12 Gage Cabinet
 -TH Towel Hook, Single Double (Installed on lavy side of unit)

LAVATORY WASTE OPTIONS

-CW Combined Waste*
 *NOTE: Reduces Ligature Resistance due to Lavy Waste Drain Hole located within Toilet Bowl.
 -LWE Lavy Waste Extension (3" Standard) Specify Length Beyond Fixture: _____

TOILET OPTIONS

-CO1 Cleanout w/ 2-3/8" OD O-Ring Connection to No-Hub 4" (Plain End Only, Not applicable with -GW or -3 Floor Outlet)
 -CO1-3 Cleanout w/ 2-3/8" OD O-Ring Connection to No-Hub 3" (Plain End Only, Not applicable with -GW or -3 Floor Outlet)
 -COH Cleanout Hook Assembly
 -FT Flood-Trol (Manual Reset)**
 -FTA Flood-Trol Auto-reset**
 -FTE Flood-Trol Electronic**
 **NOTE: Reduces Ligature Resistance due to Toilet Bowl Sensor Fitting.
 -FVT Flush Valve Thru Wall Connector
 -GW Gasket Toilet Waste (Wall Outlet)
 -HPS High Polished Seat
 -PC Pinned Cleanout Plug (For CO1 Options above)
 -TSC Toilet Shipping Cover
 -TWE Toilet Waste Extension, (3" Standard) Specify Length Beyond Fixture: _____
 -WO3B 2-3/8" P-Trap w/ 3" OD Plain End Waste Outlet

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

<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 2009 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>