



## Penal-Ware® 1741CBC Series

Penal-Pak Wall Shower - CBC (Calif. T24) & ADA Compliant



1741CBC-R-8MV-SW



1741CBC-R-8MV-FH-PY-SW

Fixture May Show Some Available Options

Please visit [www.acorneng.com](http://www.acorneng.com) for most current specifications.



### Penal-Pak Wall Shower - CBC (California Title 24) & ADA Compliant

**Shower** is designed to be installed on a finished wall and serviced from an accessible rear pipe chase and includes as standard equipment: Control Valve, Fixed Upper Showerhead, Handheld Shower and Hose, Diverter Valve, and Recessed Soap Dish. When installed properly and in accordance with all Shower Stall Type requirements, unit will conform with 2019 California Access Compliance Reference Manual with DSA Access Compliance Code Cycle Supplement effective July 1, 2021 and 2010 ADA Standards. Refer to Accessibility Guidelines for complete details.

**Compliance is subject to the interpretation and requirements of the local code authority.**

**Shower Panel** is 14 gage, type 304 stainless steel with #4 satin finish. Controls are 38" to 48" from the finished floor and should be located on wall in accordance with Shower Stall Type and configuration [CBC 11B-608.5.1, 11B-608.5.2, 11B-608.5.3]. A stainless steel Recessed Soap Dish is included and located at 40" maximum from the finish floor for CBC requirements [CBC 11B-608.10].

**Fixed Upper Showerhead** provided is vandal-resistant penal design at 6'-0" discharge height with 1.6 GPM flow rate. The spray pattern is adjusted using an Allen Wrench inserted through the Nozzle. Adjustable spray angle is optional.

**Handheld Shower Spray** provided standard includes Pushbutton for On/Off control with non-positive shutoff, 60" long Stainless Steel Hose, Quick-Disconnect, Vacuum Breaker and 1.5 GPM Flow Control [CBC 11B-608.6].

**Diverter Valve** is provided standard to deliver water to Handheld Shower Spray or Showerhead for independent operation as required by the code standard [CBC 11B-608.6]. Includes patented ADA compliant Tri-Lever Handle.

**Valve Controls** are an accessible design with Hot and Cold Mixing Valve or Metering Pushbutton(s) [CBC 11B-309.4]:

**-8 Thermostatic/Pressure Balancing H&C Mixing Valve:** ASSE 1016 compliant to compensate for fluctuation in temperature and pressure. Includes patented ligature resistant Tri-Lever Handle. For more details see model SV16.

**-8MV Thermostatic/Pressure Balancing H&C Mixing Valve (SV16) with Metering Valve Pushbutton** in riser. Air-control metering pushbutton is provided standard. Specify Electronic Metering Valve type when required.

**-03-M and -04-M Air-Control Metering Pushbutton** is non-hold open design and offered for Single Temperature or H&C supply\*. Timing is adjustable from 5 to 60 seconds. Air-Control Valves are pneumatically operated using atmospheric air. Pushbutton requires less than 5 pounds of force to activate Valve.

**-Electronic Metering Valve Pushbutton** designs are offered for Single Temperature or H&C supply\* with an array of timing and programming options. Refer to individual Electronic Valve submittal sheets for specific technical data.

(\*Single temp or hot side water temperature must be tempered as required by code to avoid thermal shock to user.)

**Optional Fixed Head (-FH) in lieu of Handheld Shower Spray** provides swivel angle adjustment for both upper and lower Showerhead locations [CBC 11B-608.6; Exception]. Adjustable Nozzle slightly lowers 72" discharge height.

**Optional Less Diverter Valve (-LDV)** provides separate valve control for Showerhead(s) and Handheld Shower.

*Note: Independent control of Showerheads is required [CBC 11B-608.6, Exception]. Eliminating Diverter is subject to non-compliance. Acorn Engineering Co. assumes no responsibility.*

**Wall Mounting Hardware** to complete rear mount installation is provided.

**Grab Bars and Folding Seat** are ordered separately or provided by others to suit Shower Stall type.

# Penal-Ware®: 1741CBC Penal-Pak Wall Shower - CBC (T24) Compliant



## WALL THICKNESS AND TYPE (Must Specify)

Thickness: \_\_\_\_\_ Type:  Concrete  Block  Steel

## MODEL NUMBER AND OPTIONS SELECTION:

### BASE MODEL NUMBER

1741CBC Penal-Pak Wall Shower CBC & ADA Compliant

### CONTROL VALVE ORIENTATION (Must Specify)

-L Left Side (Facing Unit)  -R Right Side

### VALVE SELECTION (Specify One Valve Type)

(Includes Standard Diverter Valve)

#### Air-Control Pushbutton Metering Valve

- 03-M Single Temp, Metering Pushbutton
- 04-M Hot & Cold, Metering Pushbuttons

#### T/P Balancing Hot and Cold Mixing Valve (SV16)

- 8 Hot and Cold Mixing Valve with Tri-Lever Handle
- 8MV Hot and Cold Mixing Valve with Tri-Lever Handle - With Air-Control Metering Valve (Standard)
- 8MV Hot and Cold Mixing Valve with Tri-Lever Handle - With Electronic Metering Valve in Lieu of Air-Control. Select Valve Type Below:
  - EVS1 Master-Trol Single Temp
  - EVSP1 Master-Trol Single Temp Piezo Button
  - MTP1 Master-Trol Plus Single Temp
  - MTPP1 Master-Trol Plus Single Temp Piezo Button
  - MVC1 Time-Trol Single Temp
  - PPZ1 Single Temp Programmable Piezo Button

#### 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

#### Time-Trol® (Electronic)\*\*

- MVC1 Single Temp

#### Programmable (Electronic)\*\* w/9VDC Plug-In Transformer

- PPZ1 Single Temp Programmable Piezo Button
- PPZ2 Hot & Cold Programmable Piezo Buttons

\*\* Refer to Individual Submittal Sheets for Technical Data.

## OPTIONAL SELECTIONS:

### VALVE OPTIONS

- BRS Brass Body Valve
- LDV Less Diverter Valve, Separate Pushbutton Controls for Showerheads (*Note: Subject to Non-compliance*)
- PBH Hemispherical Pushbutton(s) (Air-Control Only)
- TF Transformer, 120VAC to 24VAC (-MVC option only)

### UPPER SHOWERHEAD OPTION

(Only available with Standard Handheld Shower)

- PYY Penal Showerhead w/Lockable Universal Ball Joint

### HANDHELD SHOWER OPTIONS

- FH-PY Fixed Showerhead in Lieu of Handshower with Universal Ball Joint at 48" MAX
- (Both Upper & Lower Showerheads provided with -PY Nozzle)
- PSO Handheld Shower Quick-Disconnect with Positive Shut-Off feature

### PRODUCT OPTIONS

- D Surface Mounted Soap Dish (In lieu of Recessed)
- EG Enviro-Glaze, Specify Color: \_\_\_\_\_  
Refer to link for colors: <https://www.acorneng.com/enviro-glaze>
- MT Metal Template (Only 1 Required Per Project)
- LRD Less Recessed Soap Dish
- SW Wall Sleeve (CMU & Formed Concrete Walls Only)
- STP7069-12S Mixing Valve Assy (Do Not Use for -8, -8MV)

**NOTE: Refer to Supplemental Submittals for Option details.**

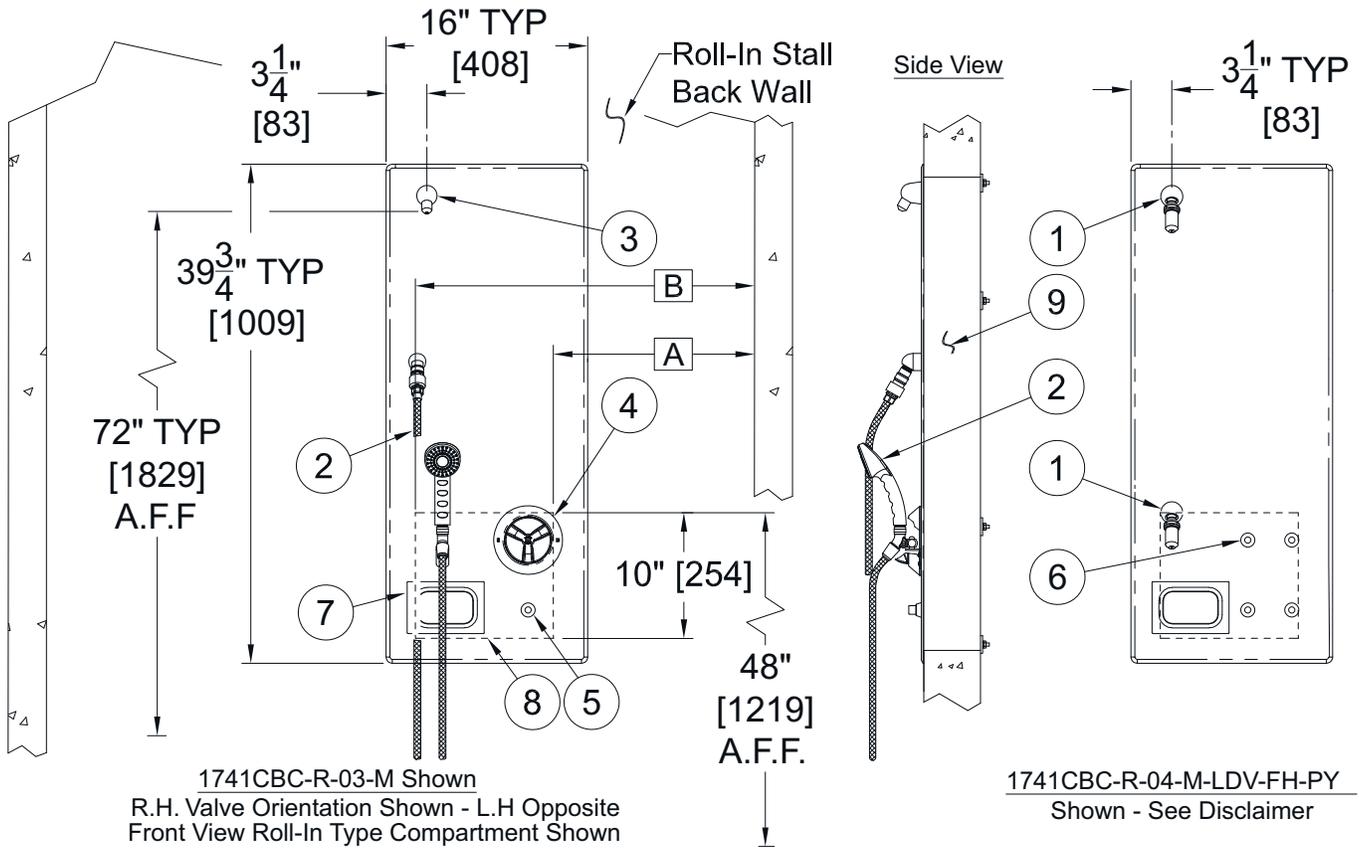
Please visit [www.acorneng.com](http://www.acorneng.com) for most current specifications.

WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

<b>Important:</b> Installation instructions and current rough-in are furnished with each fixture. Do not rough in without certified dimensions. <small>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 2006 Acorn Engineering Company</small>	
<p style="text-align: center;">Selection Summary</p> <p>Model No. &amp; Option _____</p> <p>Quantity _____</p>	<p style="text-align: center;">Approved for Manufacturing</p> <p>Company _____ Title _____</p> <p>Signature _____ Date _____</p>



**-03/-04 AIR-CONTROL AND ELECTRONIC VALVE DETAILS AND DIMENSIONAL DATA**



**NOTES:**

1. FH-PY option: Penal Showerhead with Universal Ball Joint at 48" MAX (Specify).
2. Hand Held Shower Assembly with 60" long Stn. Stl. Hose (Provided standard).
3. Penal Upper Showerhead at 72" discharge, provided with Hand Held Shower (Standard).
4. DIV series Diverter Valve with Tri-Lever Handle (Provided standard).
5. Pushbutton Control Valve: -03 / -04 Air-control or Electronic series. Single-temp shown (Specify).
6. \*\*-LDV Less Diverter Valve option for separate Valve control. -04-M H&C shown (Specify).
7. 1832 series Recessed Soap Dish (Provided standard).
8. Control Area: CBC Standard Roll-In Stall Type Shown. See Dimensional Details.  
Note: Units will conform with Transfer Type Compartment when installed properly.
9. Optional -SW Wall Sleeve for rear mounting with Chase access (Recommended).

Std. Roll-In Stall Dims		
	A Min.	B Max.
ADA	0"	*27"
CBC	16"	27"

**\*\* DISCLAIMER:** CBC 11B-608.6, Exception states:  
*"Each showerhead shall be installed to be operated independently of the other..."*  
 Exclusion of the standard Diverter Valve is subject to non-compliance. Acorn Engineering Co. assumes no responsibility. Code interpretation is subject to requirements of local Code Authority.

\*ADA dim shown is Roll-In Stall with Seat.

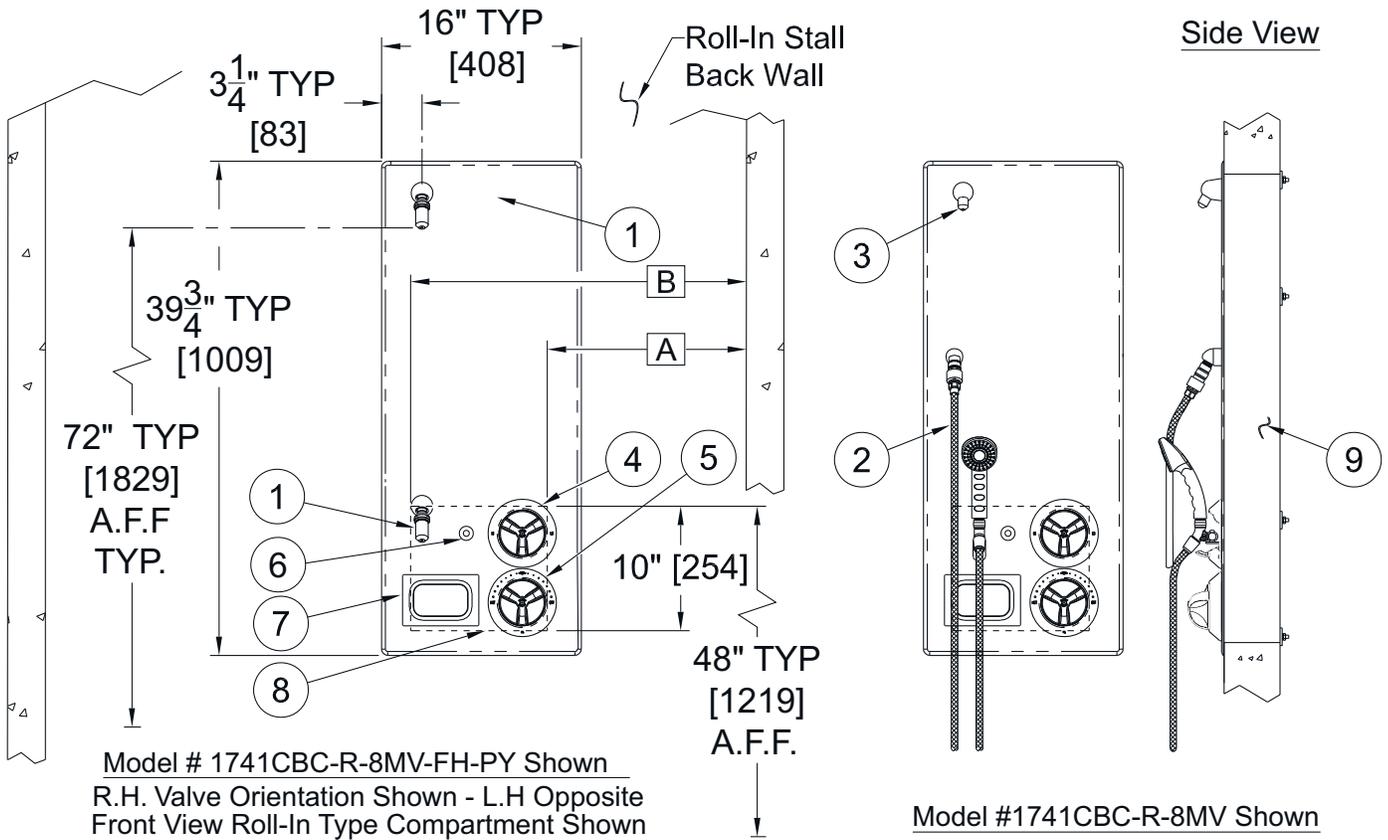
Refer to Guidelines for complete details.

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

<p><b>Important:</b> 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 2006 Acorn Engineering Company</p>	
<p>Selection Summary</p> <p>Model No. &amp; Option _____</p> <p>Quantity _____</p>	<p>Approved for Manufacturing</p> <p>Company _____ Title _____</p> <p>Signature _____ Date _____</p>



**-8/-8MV MIXING VALVE DETAILS AND DIMENSIONAL DATA**



Model # 1741CBC-R-8MV-FH-PY Shown  
R.H. Valve Orientation Shown - L.H Opposite  
Front View Roll-In Type Compartment Shown

Model #1741CBC-R-8MV Shown

**NOTES:**

1. FH-PY option: Penal Showerhead with Universal Ball Joint at 48" MAX (Specify).
2. Hand Held Shower with Mounting Bracket, Quick Disconnect and 60" long stn. stl. Hose (Standard).
3. Penal Upper Showerhead at 72" discharge, provided with Hand Held Shower (Standard).
4. DIV series Diverter Valve with Tri-Lever Handle (Standard).
5. Control Valve: Type 8 | SV16 Mixing Valve with Tri-Lever Handle (Specify Valve Type).
6. -8MV option: Metering Air-control Valve Pushbutton in Shower Head Riser (Specify Valve Type).
7. 1832 series Recessed Soap Dish (Standard).
8. Control Area: CBC Standard Roll-In Stall Type Shown. See Dimensional Details.  
Note: Units will conform with Transfer Type Compartment when installed properly.
9. Optional -SW Wall Sleeve for rear mounting with Chase access (Recommended).

Std. Roll-In Stall Dims		
	A Min.	B Max.
ADA	0"	*27"
CBC	16"	27"

\*ADA dim shown is Roll-In Stall with Seat.  
Refer to Guidelines for complete details.

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

<p><b>Important:</b> 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 2006 Acorn Engineering Company</p>	
<p style="text-align: center;">Selection Summary</p> <p>Model No. &amp; Option _____</p> <p>Quantity _____</p>	<p style="text-align: center;">Approved for Manufacturing</p> <p>Company _____ Title _____</p> <p>Signature _____ Date _____</p>