



Whitehall Manufacturing
Manufacturer of Healthcare and Rehabilitation Products since 1946

Model WH3741

Ligature Resistant
Stainless Steel Corner
Basin ADA Compliant



WH3741L/WH3375-SO-L

(Fixture May Show Some Available Options)

• Patented D840,523

**TECHNICAL ASSISTANCE TOLL FREE TELEPHONE NUMBER:
1-800-743-8259**

Technical Assistance E-mail: Fieldservice@acorneng.com



IMPORTANT

Important: Some options may slightly alter installation. To ensure proper installation review the Manual thoroughly and verify rough-ins before beginning any work. File this Manual with the owner or maintenance personnel upon completion of installation.

Industry standard wall backing, for wall hung fixtures, is required. Installer provided wall anchors and wall anchoring hardware must be appropriate for wall construction.

ANSI, UFAS or ADA compliance is subject to the interpretation and requirements of the local code authority and is the responsibility of the installer for verification.

Single Temp Valve Assembly: Recommended working water pressure is 30 PSI (2.07 bars) minimum to 100 PSI (6.89 bars) maximum. Maximum temperature is 130°F (54.4°C). Maximum outlet temperature recommended is 105°F (40.6°C). Valve assembly must be drained prior to being subjected to freezing temperatures. A checkstop is provided with this valve assembly.

T/P Mixing Valve Assembly: Recommended working water pressure is 30 PSI (2.07 bars) minimum to 100 PSI (6.89 bars) maximum. Maximum hot water temperature is 180°F (82°C). Temperature adjustment range is 85°F-115°F (29°C-46°C). Minimum hot water supply temperature must be 5°F (3°C) above desired set temperature. Valve assembly must be drained prior to being subjected to freezing temperatures. The valve assembly has checks integral to the inlets however, angle stops are to be provided by the installer.

Prior to installation, supply lines must be flushed of all foreign material such as pipe dope, chips, or solder. Debris or foreign material in water supply may damage valve.

Teflon tape is recommended on threaded connections where applicable to reduce the possibility of leaks.

Provide 110-120 VAC/60Hz/3A (MAX) electrical receptacle for factory supplied 120VAC/9VDC, 100mA plug-in transformer.

NOTE: Receptacle(s) must be wired to a GFCI protected circuit. Fixture must be earth grounded per N.E.C. (National Electrical Code).

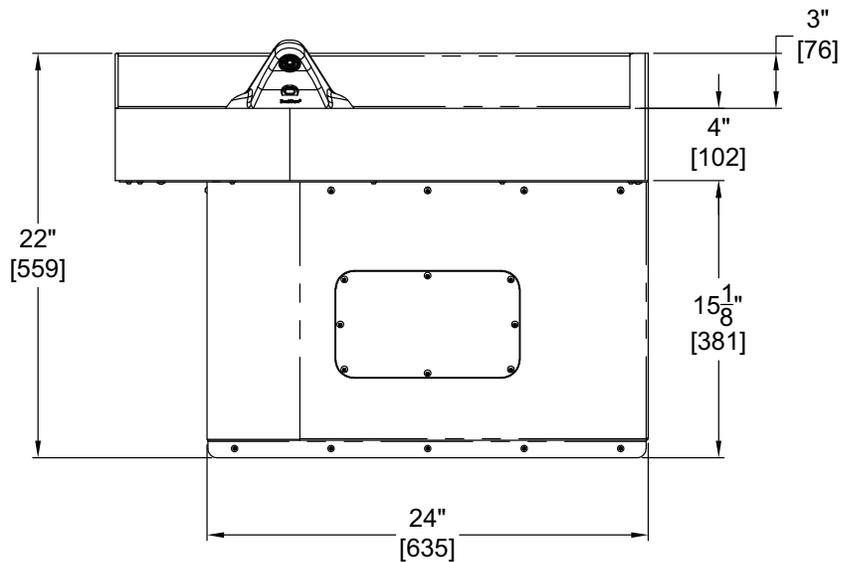
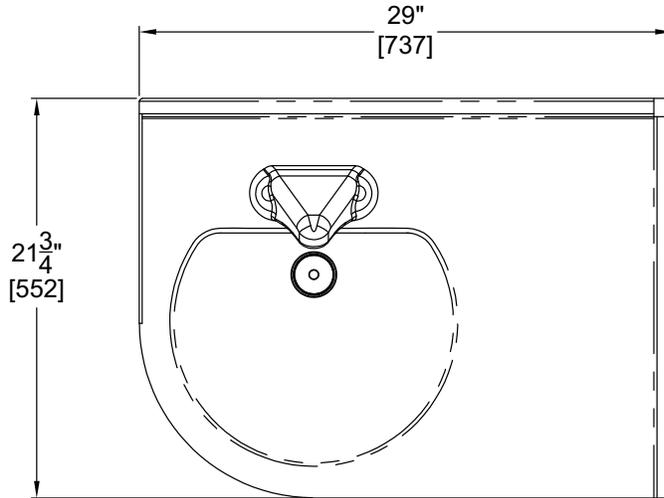
Upon receiving, verify count and inspect packaging for obvious signs of damage or missing containers. If there are any issues upon receiving make note on bill of lading and report to carrier and manufacturer promptly. Remove fixture assemblies from packaging and ensure all parts are present before beginning installation. Do not discard packaging until all parts have been accounted for. Refer to Acorn terms, conditions of sales and warranty for more information.

**Please refer to the Link or QR code provided.
Cleaning & Care Guide**





DIMENSIONAL DATA (Right Corner Shown)

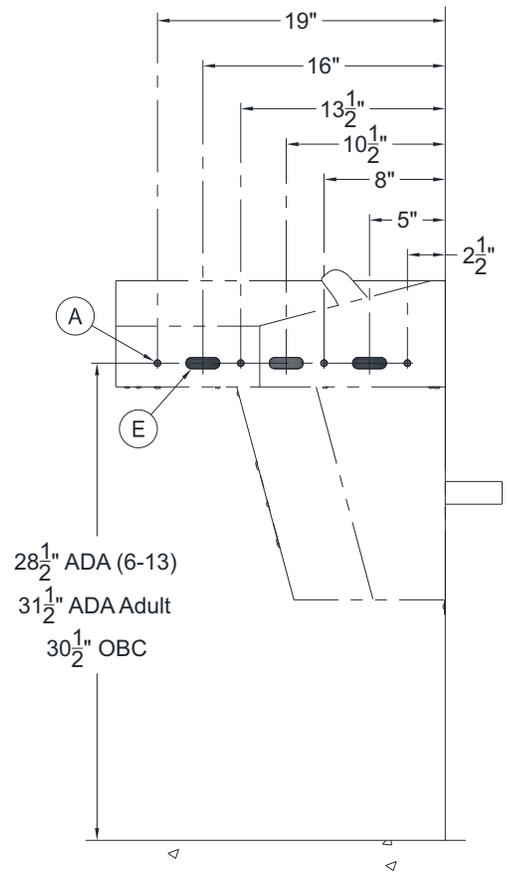
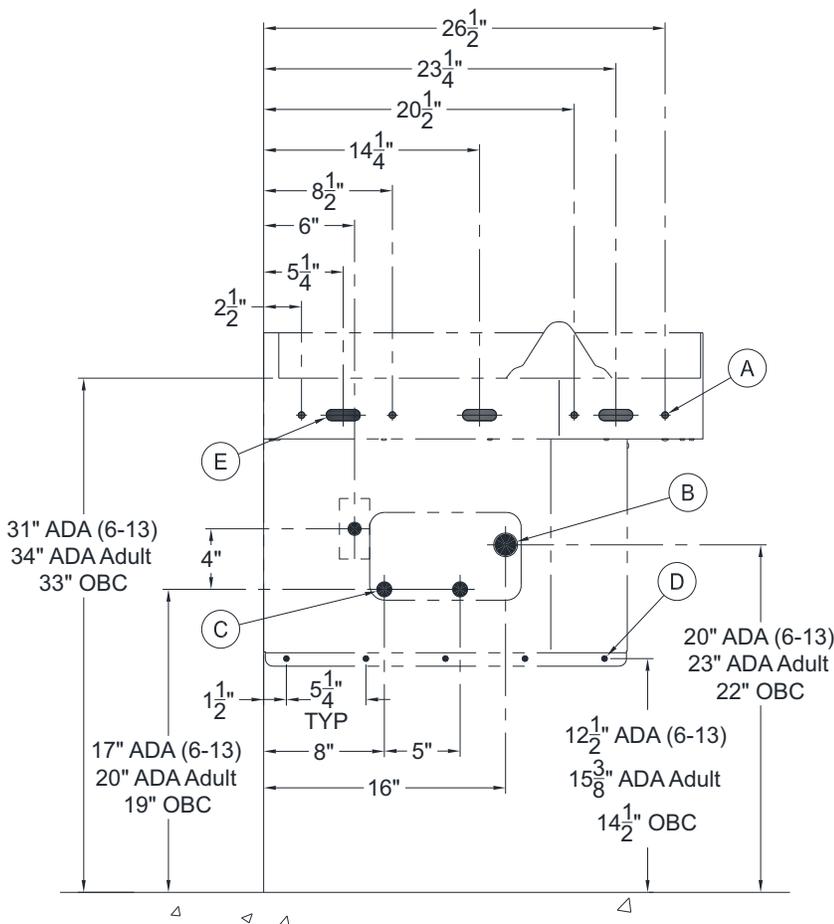
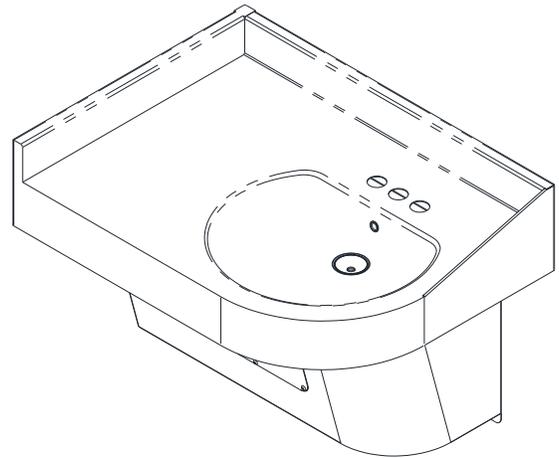




ROUGH-IN DIMENSIONS (Left Corner)

! IMPORTANT

- Fixture Weight is approx. 60 lbs.
- Mounting points shown [A] apply for units mounting directly to wall
- Units with optional -MC Mounting Carrier refer to mounting points shown [E]
- Ensure adequate Wall Backing for lower trap Enclosure support [D]

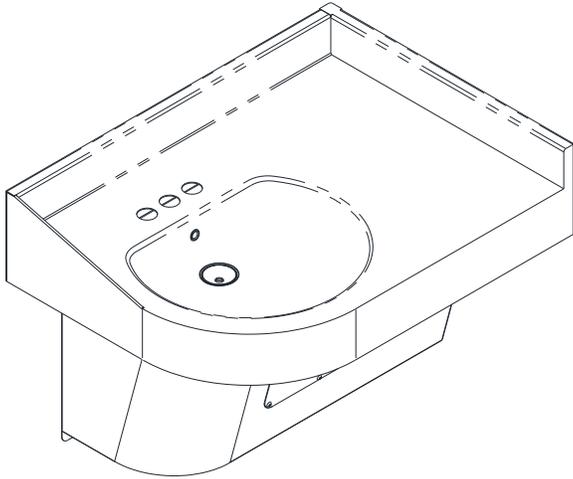


- (A) (8) 7/16" Diameter Mountings Holes, Recommended 5/16" or 3/8" Hex or Concrete Anchors & Washers with min. Pull-Out Force of 1000 lbs per Anchor.
- (B) 1-1/2" O.D. Tube Lavy Waste Outlet For Compression Joint
- (C) 1/2" NPS Hot & Cold Angle Stops (By Others)

- (D) (3) Ø1/4" Mounting holes
- (E) -MC OPTION: (6) Ø3/4" x 2-1/4" Slots for optional 5/8" x 6" Long UNC Carrier Support Studs.
- (F) 120VAC, 60HZ, 3A (MAX) GFCI Protected, Electrical Receptacle

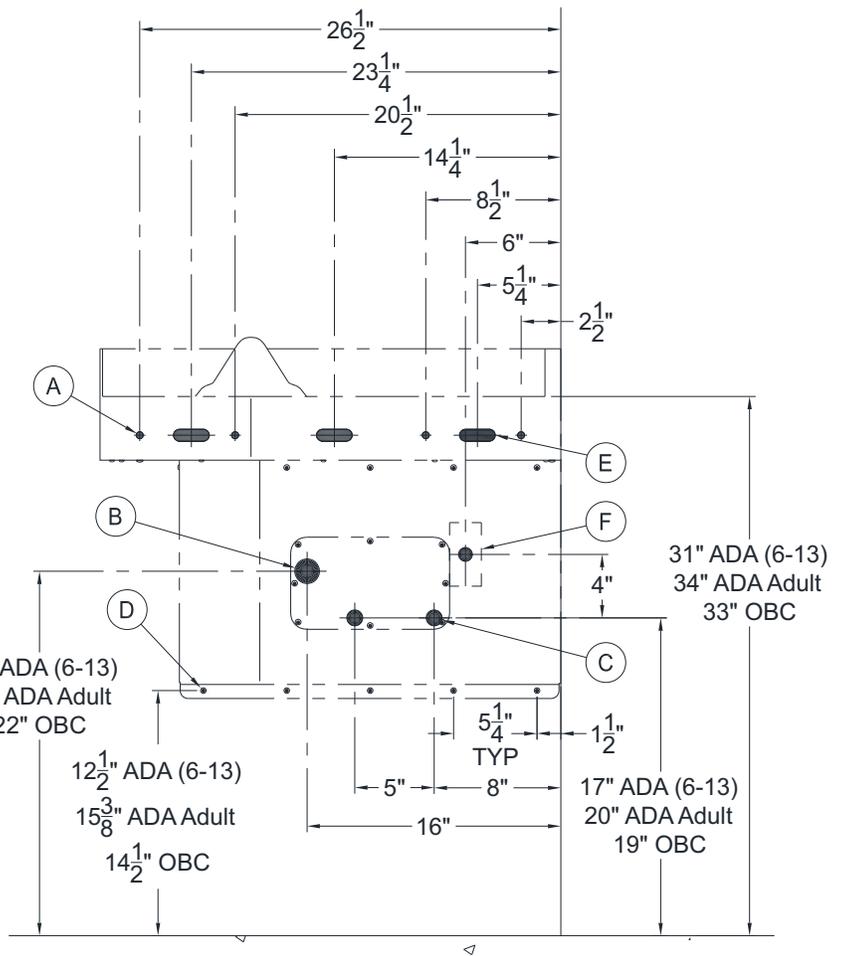
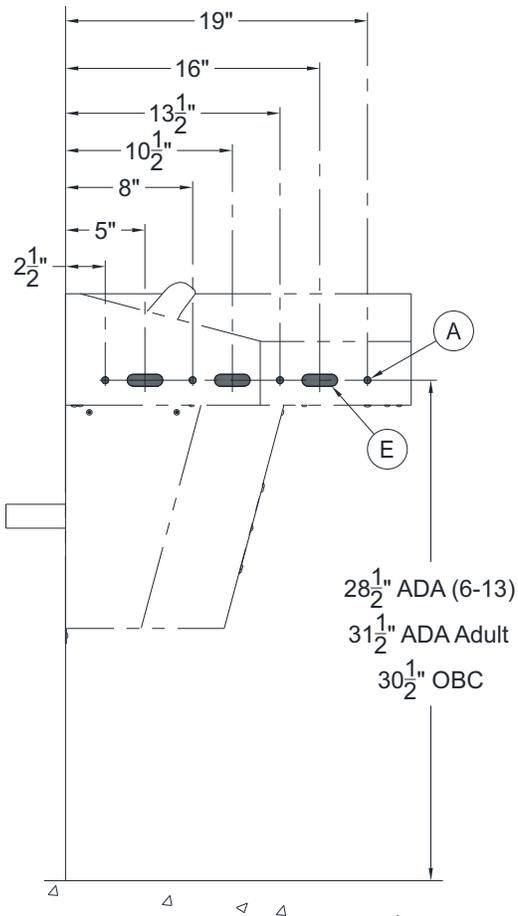


ROUGH-IN DIMENSIONS (Right Corner)



! IMPORTANT

- Fixture Weight is approx. 60 lbs.
- Mounting points shown [A] apply for units mounting directly to wall
- Units with optional -MC Mounting Carrier refer to mounting points shown [E]
- Ensure adequate Wall Backing for lower trap Enclosure support [D]



(A) (8) 7/16" Diameter Mountings Holes, Recommended 5/16" or 3/8" Hex or Concrete Anchors & Washers with min. Pull-Out Force of 1000 lbs per Anchor.

(B) 1-1/2" O.D. Tube Lavy Waste Outlet For Compression Joint

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(E) -MC OPTION: (6) Ø3/4" x 2-1/4" Slots for optional 5/8" x 6" Long UNC Carrier Support Studs.

(F) 120VAC, 60HZ, 3A (MAX) GFCI Protected, Electrical Receptacle



OPTIONAL -MC MOUNTING CARRIER LEFT HAND UNIT

! IMPORTANT

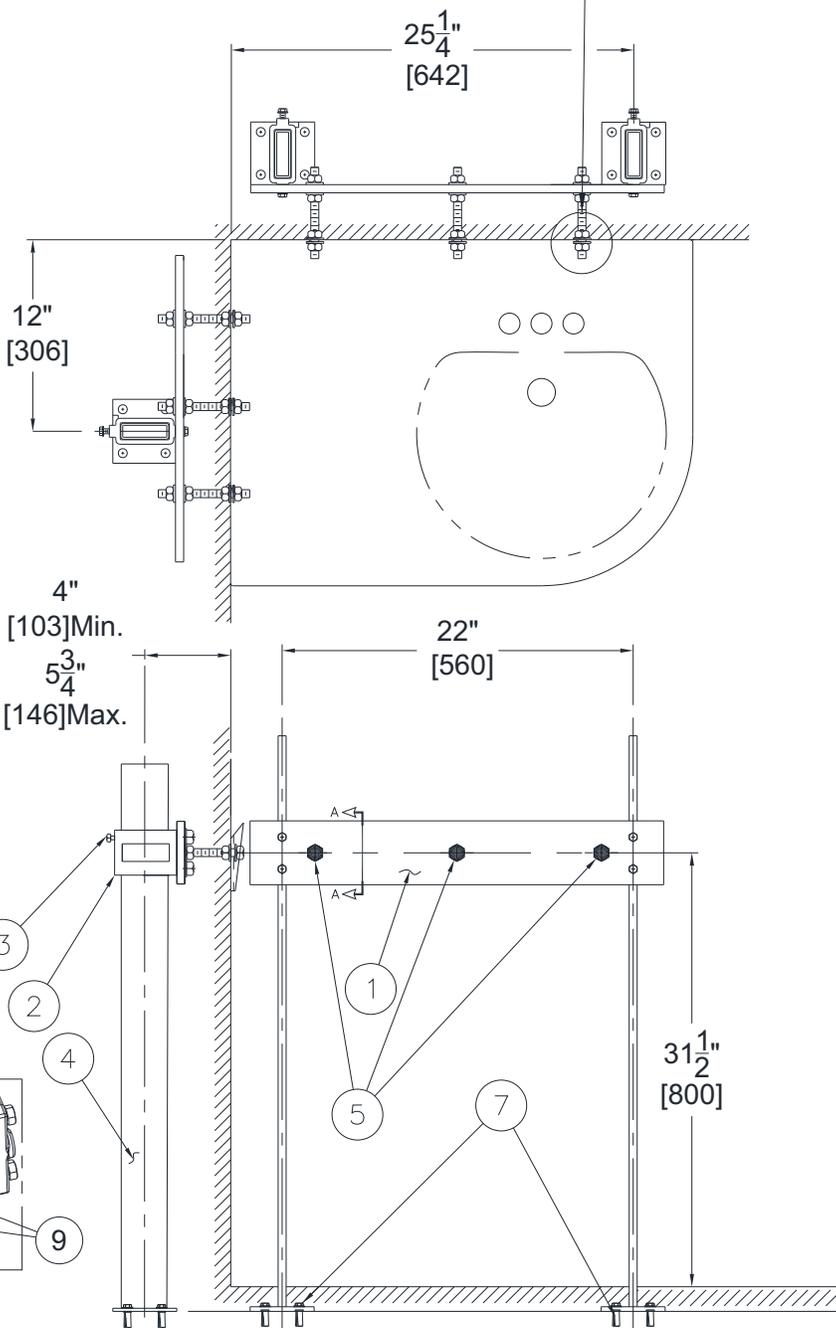
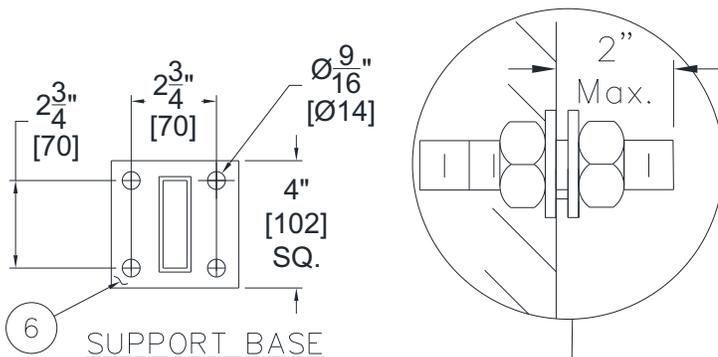
- MC Mounting Carrier requires (Industry Standard) minimum 6" [152mm] Stud Wall Depth.
- Ensure adequate Wall Backing for lower Trap Enclosure support shown on page 3

Carrier Assembly Installation:

- 1) Assemble Horizontal Support Plate [1] to Support Knuckles [2] Using Set Screws [3] provided, to obtain proper vertical spacing of Vertical Supports [4].
- 2) Slide Horizontal Support Assembly onto Vertical Supports [4] so that lower mounting points [5] are at desired location, and secure with Set Screws [3] and position in desired location.

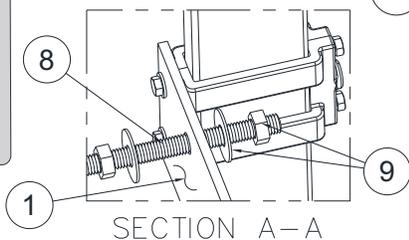
NOTE: Refer to rough in dimensions for Mounting Locations

- 3) Using Support Bases [6] as a template mark and locate floor mounting points. Move carrier and install Floor Anchors [7] provided by installer. Reposition carrier and secure to floor using installer provided anchoring hardware [7].
- 4) Install and secure lower Mounting Studs [8] to Horizontal Support Plate [1] with provided Nuts and Washers [9]. See Section A-A.
- 5) Slide second set of Support Knuckles [2] onto Vertical Supports [4] and position so that the mounting points are at dimensions shown and secure with Set Screws [3]. Repeat with the last set of Support Knuckles [2].
- 6) Secure Mounting Studs [8] to Support Knuckles [2] with Nuts and Washers [9] provided.



! IMPORTANT

- Optional -MC In-Wall Carrier provided is J.R. Smith Model # 0816-M31





OPTIONAL -MC MOUNTING CARRIER RIGHT HAND UNIT

!IMPORTANT

- MC Mounting Carrier requires (Industry Standard) minimum 6" [152mm] Stud Wall Depth.
- Ensure adequate Wall Backing for lower Trap Enclosure support shown on page 4

Carrier Assembly Installation:

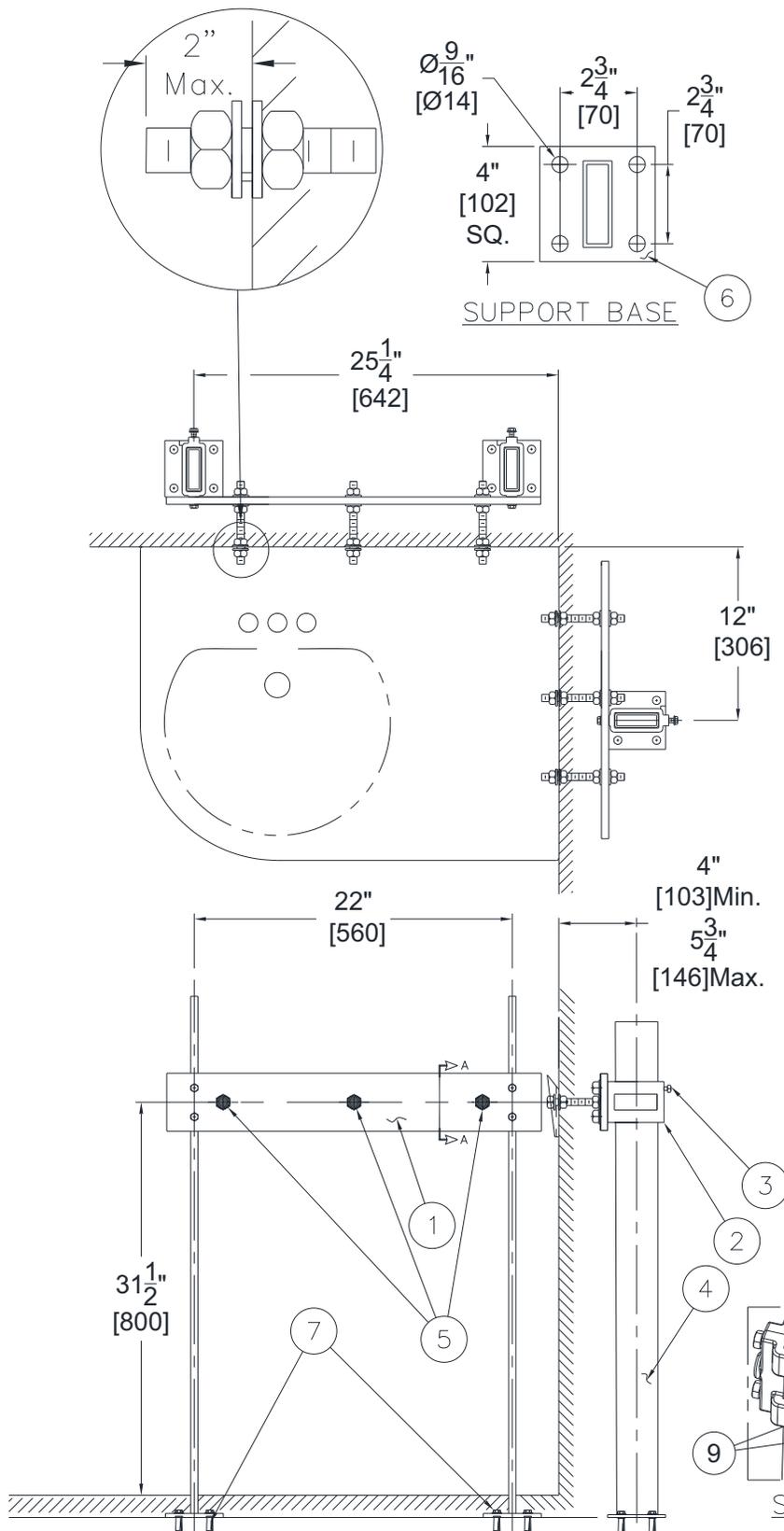
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!IMPORTANT

- Optional:-MC In-Wall Carrier utilized is J.R. Smith Model # 0816-M31



SECTION A-A

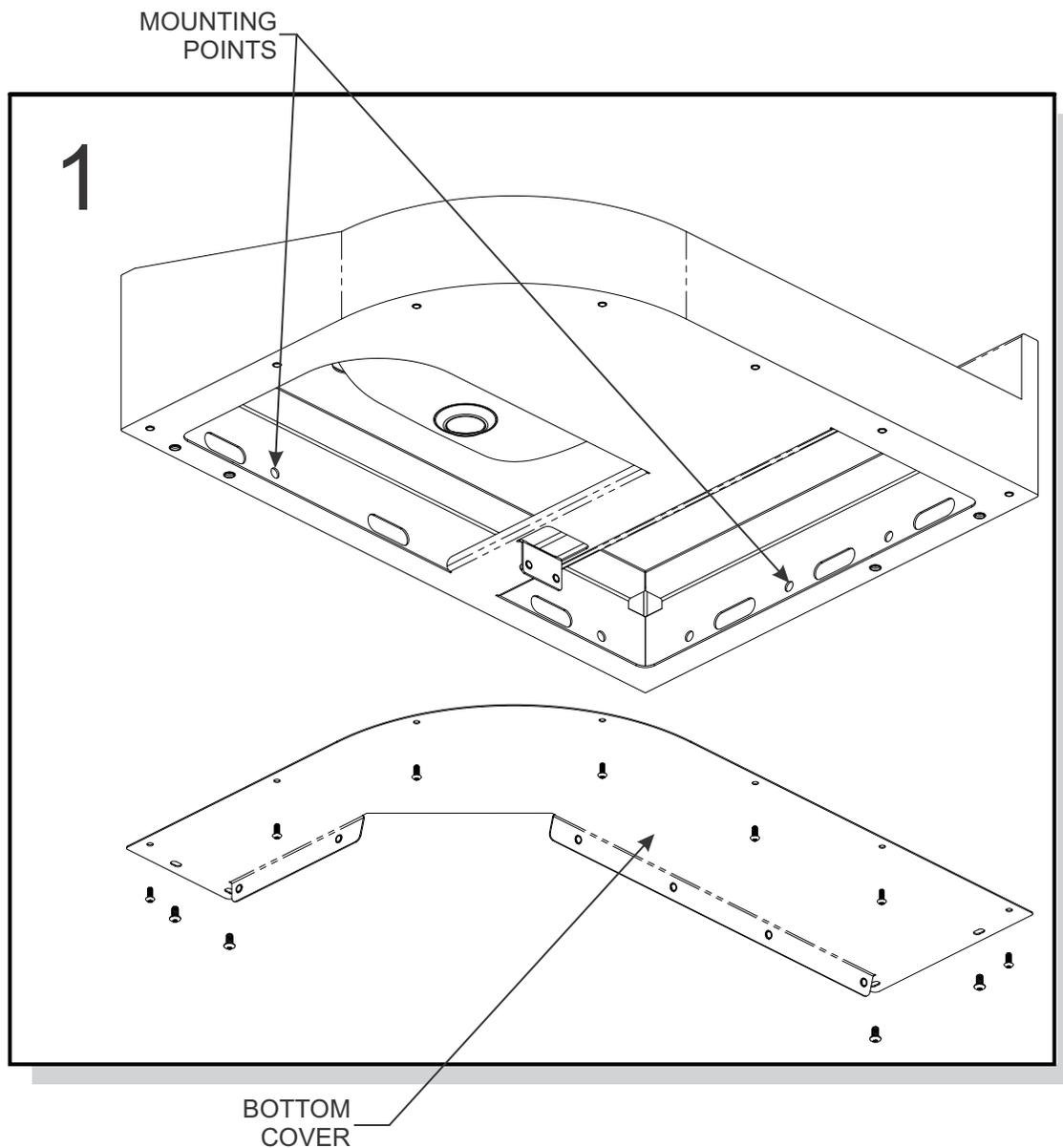


FIXTURE ANCHORING

- 1 Disassemble Bottom Cover from Deck Assembly by removing #10-32 x 1/2" (Qty. 7) and 1/4-20 x 1/2" (Qty. 4) Hex Button Head Center Reject Screw. Locate and anchor the basin to the finished wall using mounting hardware by others, refer to dimensional data for rough-in information. Assemble waste assembly and make appropriate connections. Test for leaks for usage.



HINT: It may be advantageous to install Faucet prior to wall mounting.



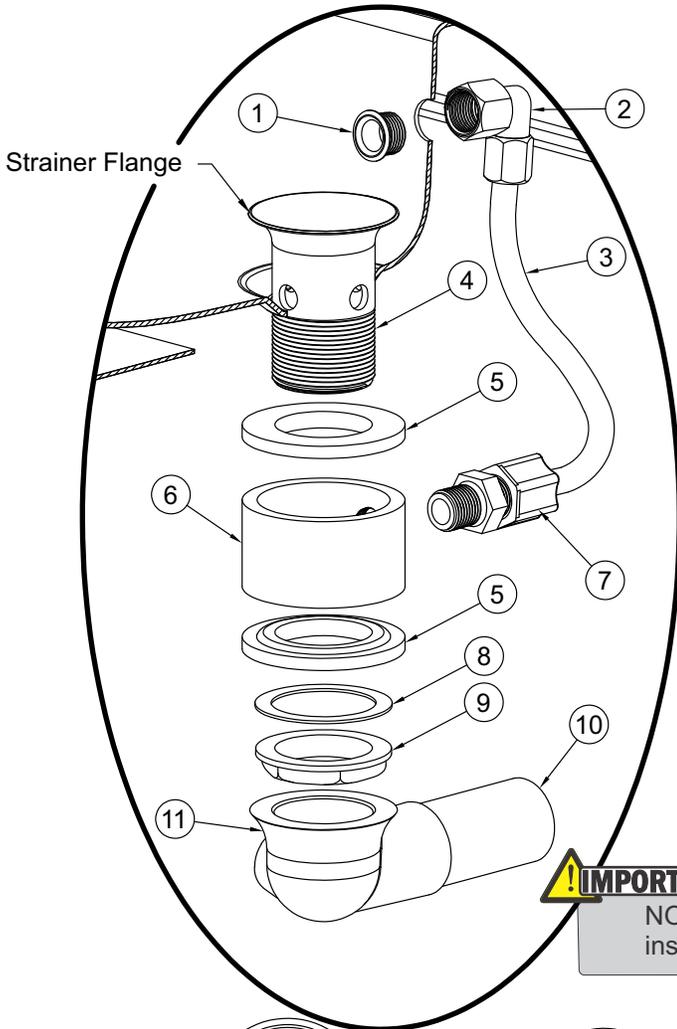


WASTE ASSEMBLY



HINT: Teflon tape is recommended on all threaded waste and supply connections.

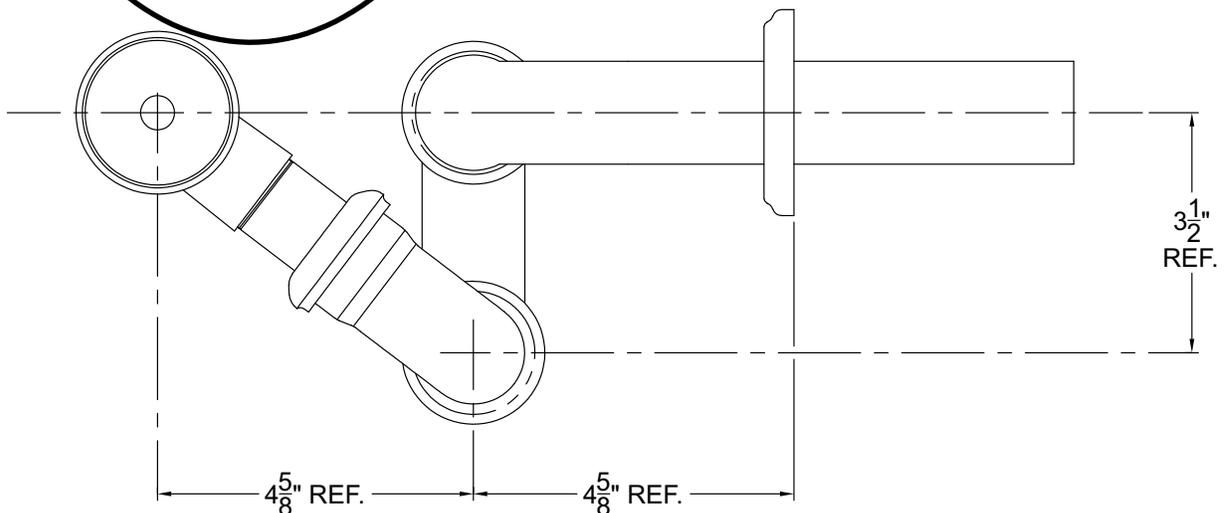
2 Install strainer to basin using plumbers putty on underside of grid strainer flange. Insert the Overflow Insert through the Overflow Hole and tighten to 3/8" O.D. Elbow Adapter. From beneath basin, assemble rubber gaskets, overflow adapter, fiber gasket and jam nut as shown to strainer and tighten securely. Add close elbow to strainer assembly as indicated.



- ① Overflow Insert
- ② 3/8" O.D. x 3/8" NPT Female Connection
- ③ 3/8" O.D. Overflow Tube
- ④ Strainer w/ 1-1/2" - 16 UNE Threads
- ⑤ Rubber Gasket
- ⑥ Overflow Adapter
- ⑦ 3/8" O.D. x 3/8" NPT Male Connection
- ⑧ Red Flat Fiber Gasket
- ⑨ 1-1/2" - 16 UNI Rough Chrome Brass Nut
- ⑩ Waste Outlet Connection
- ⑪ 1-1/4" - 27 UNI Close Ell w/ 3/8" NPTI Clean-Out Plug



IMPORTANT
NOTE: Waste assembly may require field cutting and fitting by the installer.



3 Assemble waste piping using teflon tape on all threaded connections and make up waste connections to 1-1/2" P-trap.

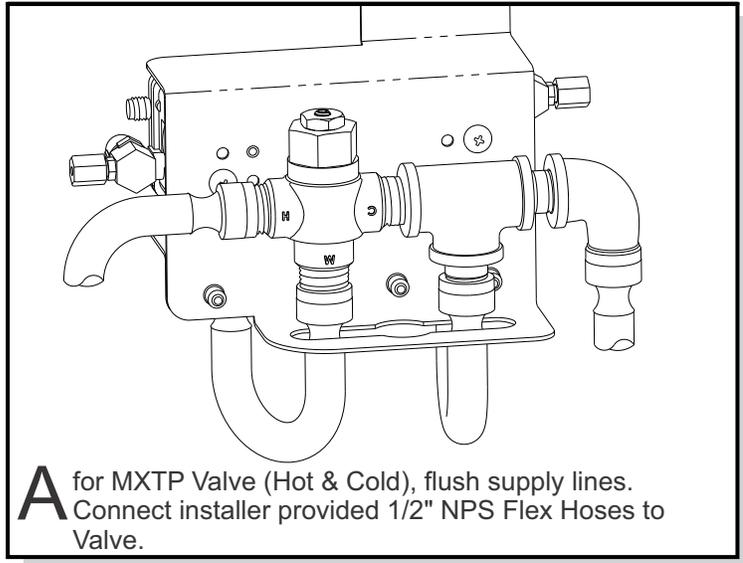


VALVE INSTALLATION

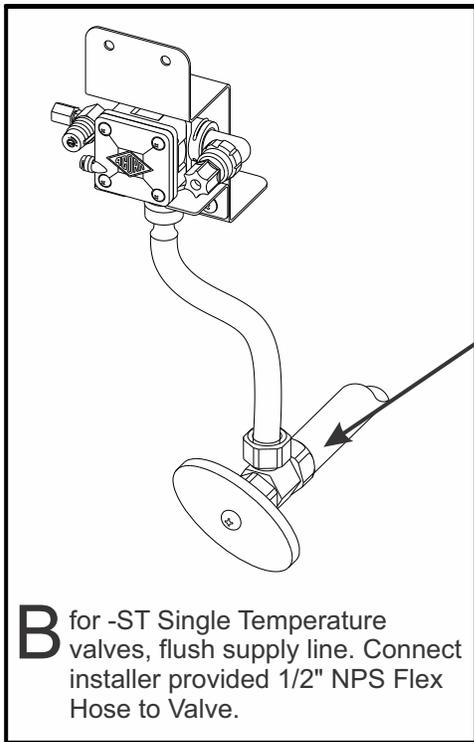
! IMPORTANT

Before making up the supply connections, the supply lines must be flushed of all foreign material such as pipe dope, pipe chips, solder, sand, etc.

DUAL TEMP. WITH -MXTP VALVE



-03-M SINGLE TEMPERATURE METERING VALVE



Supply Shut-Off Valve shown is provided by others.



VALVE INSTALLATION & ADJUSTMENT

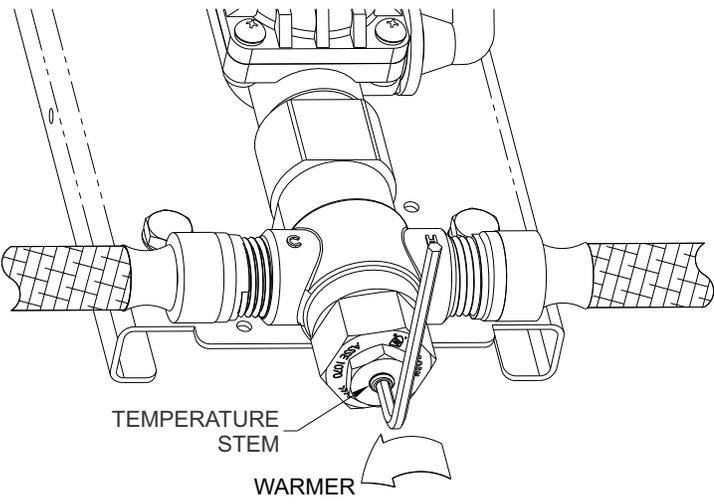
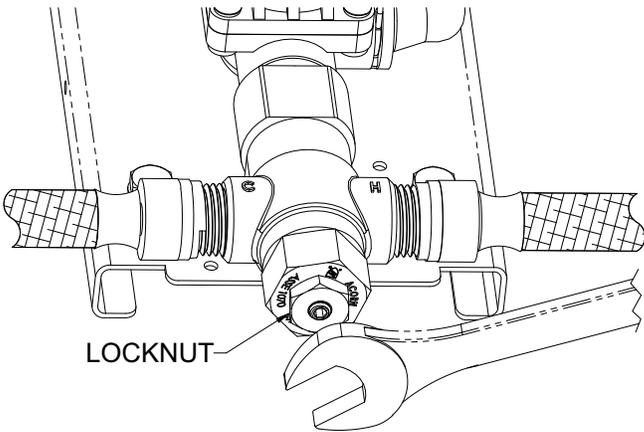
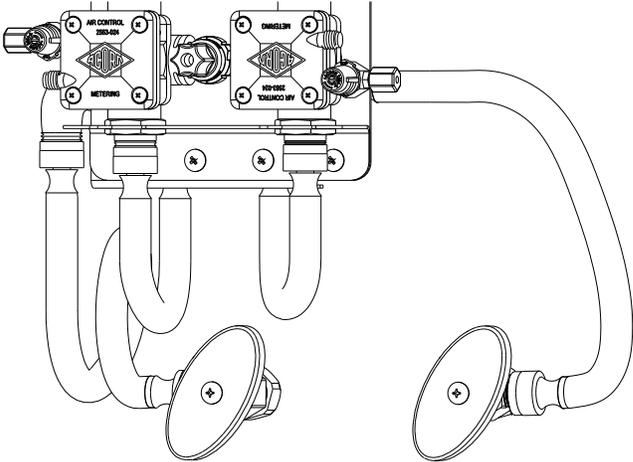
Valve Assembly Installation:

NOTE: Installation should be in accordance with accepted plumbing practices.

- 1) Locate suitable place for mounting the Valve Assembly. Valve Assembly should be accessible for service and adjustment and as close to the point-of-use as possible. Wall Anchors and Anchoring Hardware are by others.
- 2) Connect hot and cold water to Supply Valve using 1/2" NPT connections.
- 3) Connect outlet of Tempering Valve to Spout(s) using 1/4" O.D. Tube connections provided.
- 4) Turn on hot and cold water supplies. If any leaks are observed, hand-tighten connections as necessary to stop leaks before proceeding.
- 5) Turn on fixture and allow water to flow for 2 minutes. Measure water temperature at outlet. If water is not at desired temperature, adjust as necessary.

 **HINT:** Angle Stops are recommended and is the responsibility of the installer.

 **IMPORTANT**
Flush supply lines of all foreign material such as pipe dope, pipe chips, solder, sand etc. before making up supply connections.



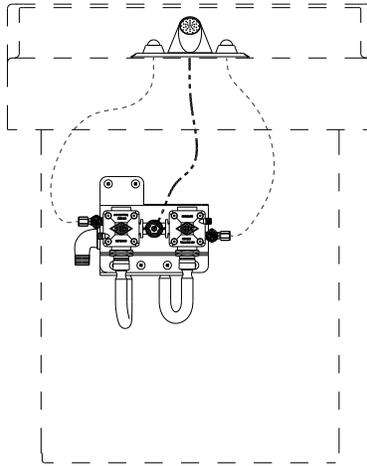
Temperature Adjustment:

NOTE: Factory set temperature is 105° F

- 1) Loosen Locknut.
- 2) Turn on fixture and run water for at least 2 minutes. Allow supply temperature to stabilize.
- 3) Turn temperature stem counter-clockwise for hotter or clockwise for colder outlet temperature.
- 4) Tighten Locknut to prevent accidental or unauthorized temperature adjustment.
- 5) Re-check outlet temperature.



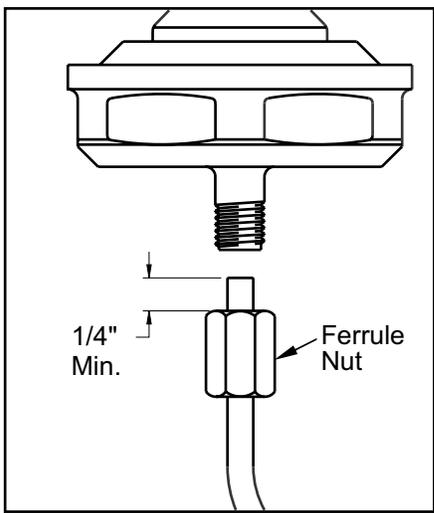
VALVE CONNECTIONS



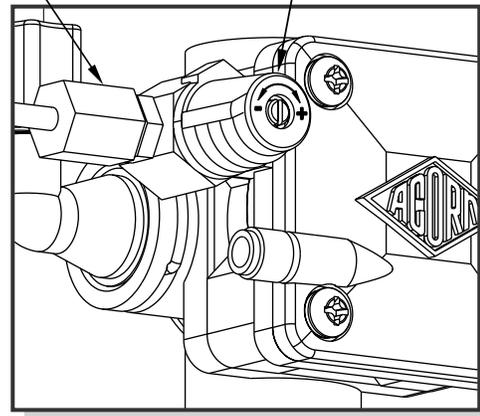
----- 1/8" O.D. AIR TUBING
 ————— 1/4" O.D. WATER TUBING

! IMPORTANT

Leave a minimum 1/4" of Polyethylene Tubing through the Ferrule Nut on the Pushbutton Assembly. This is necessary to ensure proper tubing connection.



Ferrule Nut
 Timing Screw
 To adjust timing, turn Timing Screw



 Turn Timing Screw clockwise to increase timing.

! IMPORTANT

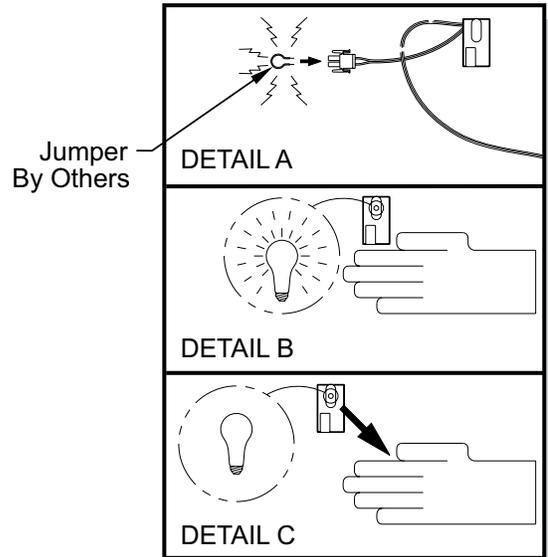
Do not over-tighten ferrule nuts.



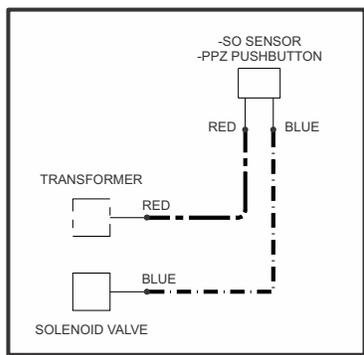
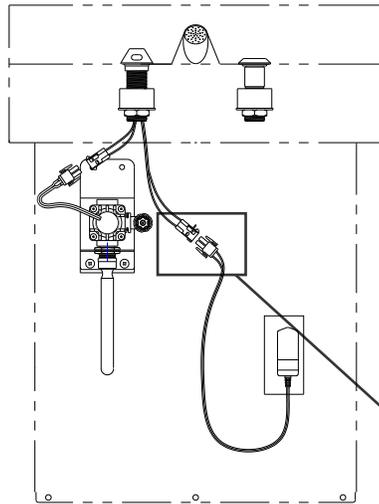
SENSOR OPERATION & CONNECTIONS

-SO Sensor Operation Range Adjustment

1. Make sure Power Supply is disconnected from Sensor and make short circuit on red wires. See DETAIL A.
2. Connect Power Supply to Sensor. Red light should be flashing.
3. Move hand in front of sensor to distance of 2" to 4" within 5 seconds and wait until red light flashes quickly.
4. Move hand to desired sensing distance. See DETAIL B.
5. Hold hand at desired sensing distance until red light stops flashing and Solenoid activates. See DETAIL C.

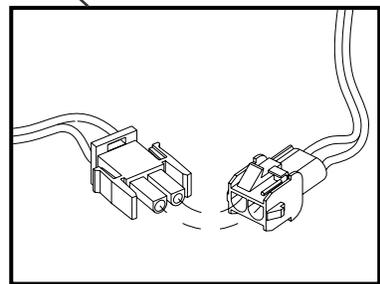


-SO Sensor Operation or -PPZ Programmable Piezo Pushbutton



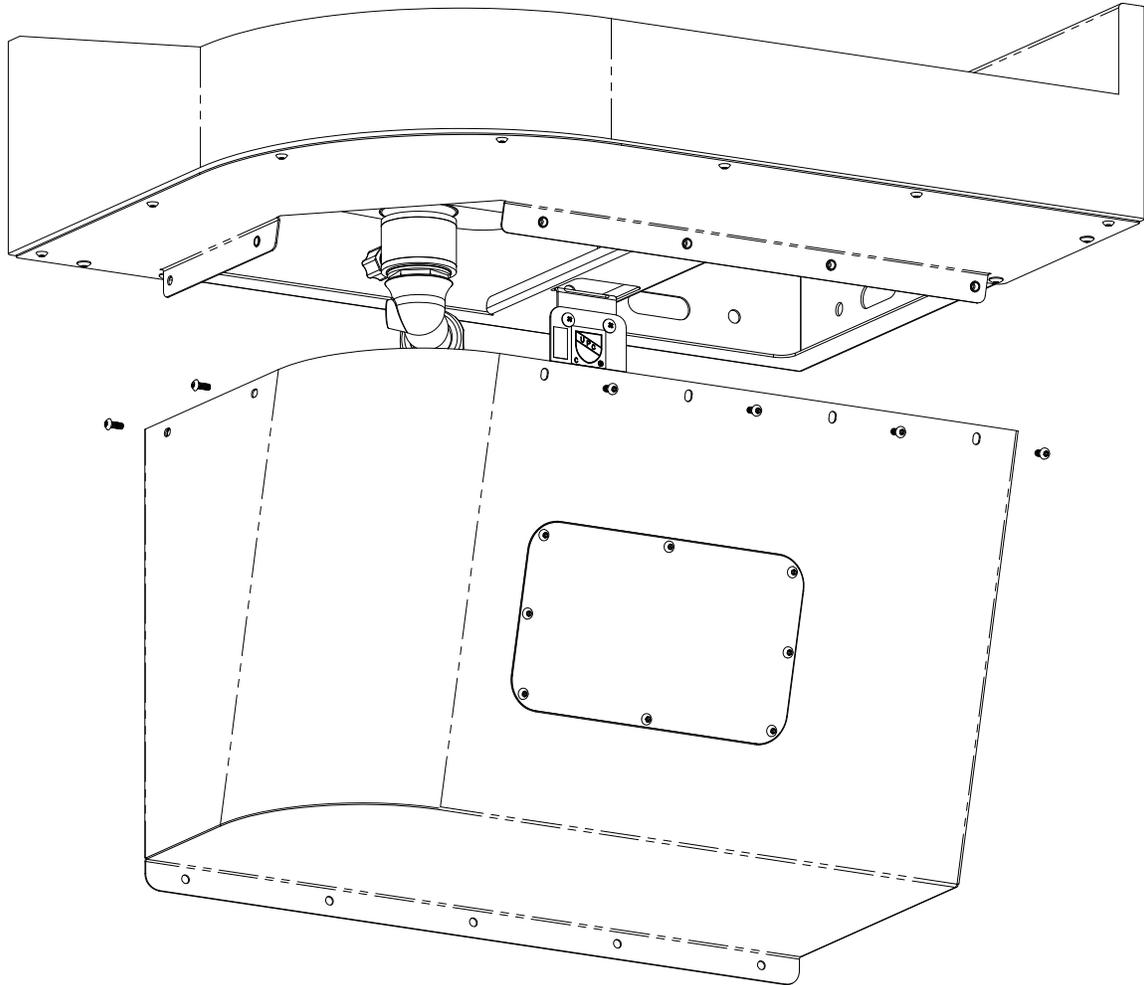
! IMPORTANT

Transformer must be plugged into a GFI protected circuit. Fixture must be earth grounded per N.E.C. or applicable codes.





P-TRAP COVER INSTALLATION



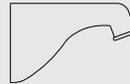
Install P-Trap Cover using #10-32 UNF x 1/2" Center Reject Hex Head Screws provided. Secure bottom of P-Trap Cover to wall with Anchoring Hardware (by others) to suit wall construction.



TROUBLESHOOTING FOR OPTIONAL PUSHBUTTON OPERATED VALVES

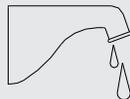
Normal Valve Function: Pushbutton Operated Valve has an adjustable flow time from 5 to 60 seconds.

CONDITION: WATER DOES NOT FLOW



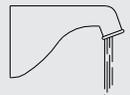
<i>Probable Cause</i>	<i>Solution</i>
Water main closed	Open water main
Checkstops closed	Open checkstops
Debris or scale in Checkstop Strainer	Remove Checkstop Strainer and clean
Air leaks from 1/8" O.D. Tubing or Fittings	Replace damaged Tubing or Fitting
Pushbutton Air Diaphragm leaks	Replace Pushbutton Air Diaphragm
Servomotor Diaphragm center hole is blocked	Remove blockage
Servomotor Upper Diaphragm is damaged	Replace Servomotor Upper Diaphragm
Low or no water pressure at supplies	Increase water pressure to 30 PSI minimum

CONDITION: WATER DRIPS, WON'T SHUT OFF



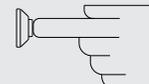
<i>Probable Cause</i>	<i>Solution</i>
Servomotor Diaphragm offset hole is blocked	Remove blockage
Servomotor Seat is damaged	Replace Servomotor seat
Servomotor Plate or Diaphragm is obstructed	Remove cause of obstruction
Servomotor Timer Assembly is damaged	Replace Servomotor Timer assembly

CONDITION: REDUCED WATER FLOW



<i>Probable Cause</i>	<i>Solution</i>
Valve Riser Tubing is crimped	Straighten Valve Riser Tubing
Debris or scale in Checkstop Strainer	Remove Checkstop Strainer and clean
Blockage in Valve Flow Control	Remove blockage
Low water pressure at supplies	Increase water pressure to 30 PSI minimum
Lime deposits in hot water pipes	Remove lime deposits with appropriate cleaning solution

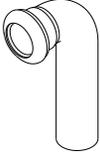
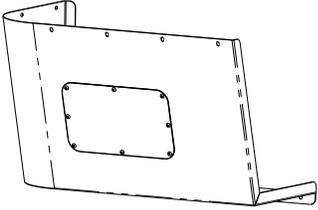
CONDITION: PREMATURE WATER SHUT OFF



<i>Probable Cause</i>	<i>Solution</i>
Air leaks from 1/8" O.D. Tubing or Fittings	Replace damaged Tubing or Fitting
Pushbutton Air Diaphragm leaks	Replace Pushbutton Air Diaphragm

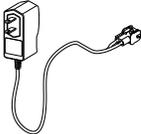
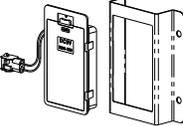
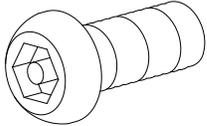


COMPONENTS & REPAIR PARTS

Description	Part No.	Diagram
COMBINED WASTE ASSEMBLY		
1-1/4" OD Waste Bend Connection	4970-180-001	
1-1/2" OD Tubular P-Trap	4953-001-000	
Ligature Resistant Elbow Strainer	4926-080-000	
1-1/2" Nylon Compression Washer	0431-125-000	
1-1/2" IPS x 1-1/2" Slip Nut	4970-059-000	
ENCLOSURES		
P-Trap Cover	Left BU5CRN42-002 Right BU5CRN40-002 (Shown)	



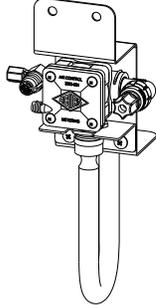
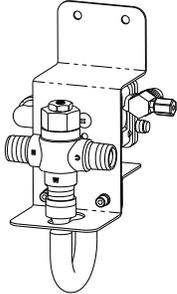
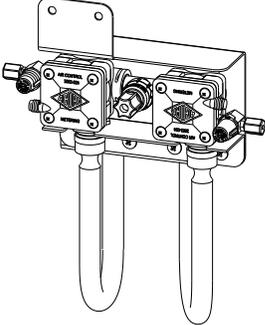
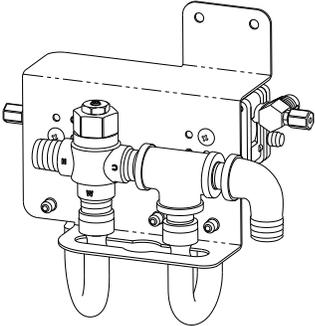
COMPONENTS & REPAIR PARTS

Description	Part No.	Diagram
ELECTRONIC HARDWARE		
9VDC Plug-In Transformer	0710-735-001	
9 VDC Battery-Pak Assy (6 AA Batteries Not Included) Battery-Pak Mounting Bracket	0710-358-001 6155-013-199	
ASSEMBLY HARDWARE		
#10-32 x 1/2" S/S Hex C/R Button Head Screw, White	0112-044-000	



Certain optional Best-Care® Faucet Parts are included for reference. When specified, refer to selected Faucet Model for additional details.

COMPONENTS & REPAIR PARTS

Description	Part No.	Diagram
VALVE		
<p>-WH3376L</p> <p>Optional -03-M Single Temp, Metering Valve Assembly</p>	2590-900-001	
<p>-WH3376L-MXTP</p> <p>Optional -03-M-MXTP, Single Temp, Temperature-Pressure Balancing Mixing Valve, ASSE 1070 Compliant</p>	2590-901-001	
<p>-WH3377L</p> <p>Optional -04-M Hot & Cold, Metering Valve Assembly</p>	2590-910-001	
<p>-WH3377L-MXTP</p> <p>Optional -04-M-MXTP, Hot & Cold, Temperature-Pressure Balancing Mixing Valve, ASSE 1070 Compliant</p>	2590-911-001	



COMPONENTS & REPAIR PARTS

Description	Part No.	Diagram
VALVE		
<p>-WH3377L-PPZ -WH3377L-WSF-SO -WH3375L-WSF-SO</p> <p>Optional Electronic Metering Valve Assembly, Single Temperature</p>	2590-905-001	
<p>-WH3377L-PPZ-MXTP -WH3377L-WSF-SO-MXTP -WH3375L-SO-MXTP</p> <p>Optional Electronic Metering Valve Assembly, Single Temp, Temperature-Pressure Balancing Mixing Valve, ASSE 1070 Compliant</p>	2590-906-001	
<p>-WH3377L-PPZ</p> <p>Optional Electronic Metering Valve Assembly, Hot and Cold</p>	2590-915-001	
<p>-WH3377L-PPZ-MXTP</p> <p>Optional Electronic Metering Valve Assembly, Hot and Cold, Temperature-Pressure Balancing Mixing Valve, ASSE 1070 Compliant</p>	2590-916-001	