



INSTALLATION, OPERATIONS & MAINTENANCE MANUAL

Care-Ware® Bedside Patient care units

Models: 4010/ 4012 / 4015



4010-R-1-CSG-CCL (Shown)
Fixture may show some available options

**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.

Carefully review Toilet Pedestal Anchoring and rough-in details against site conditions.

These units are not considered “accessible” and do not conform with ADA requirements.

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 all threaded waste and supply connections to reduce the possibility of leaks.

Toilet requires a minimum of 25 PSI flow pressure and uses a minimum water consumption of 1.28 GPF.

For -SO Faucet Option: provide 110-120VAC/60Hz/3A (MAX) electrical receptacle for optional 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).

Please refer to the Link or QR code provided.

For Cleaning & Care Guide:

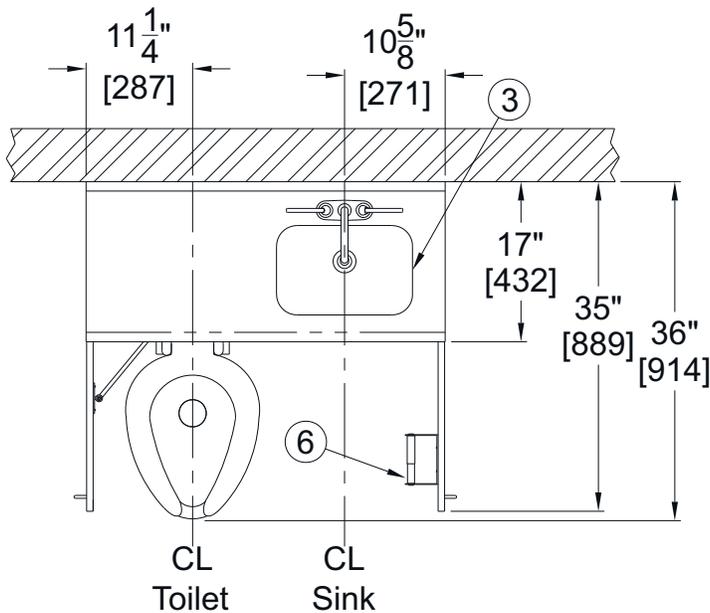
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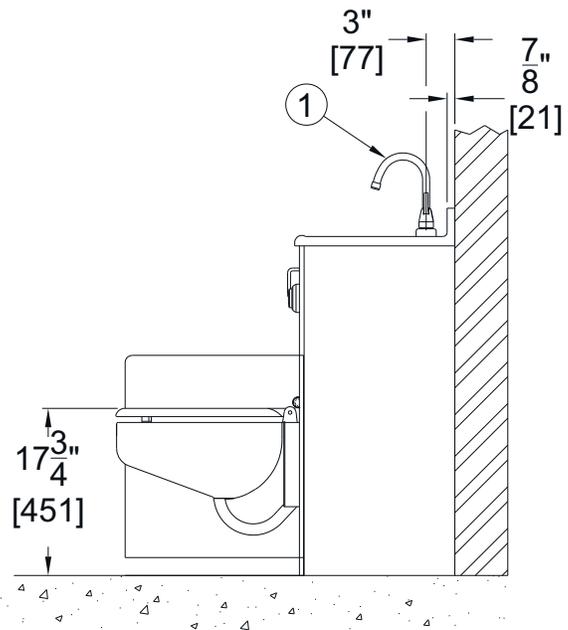
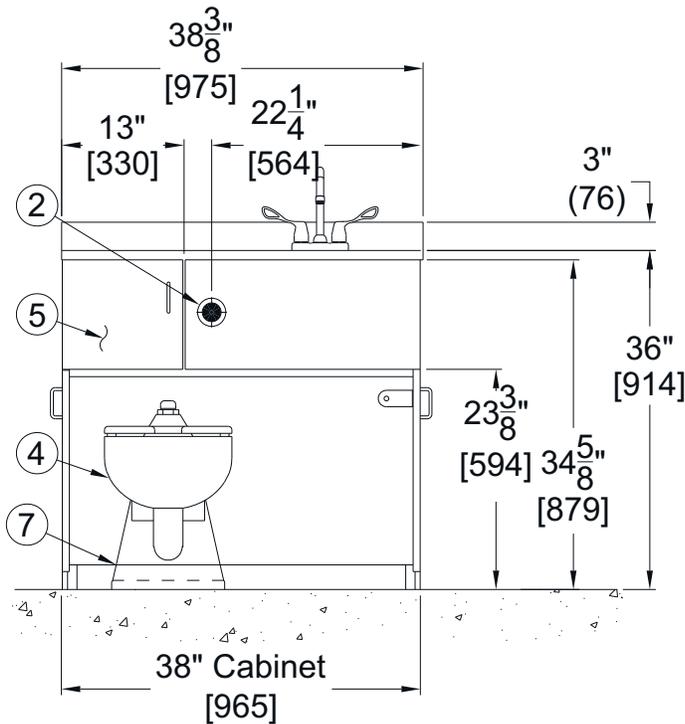
TECHNICAL DIMENSIONS

Models 4010 /4012/ 4015



NOTES:

1. Optional Lavatory Gooseneck Faucet
2. Hydraulic Flush Valve Pushbutton
3. Integral Lavatory Basin (Shown)
4. Stainless Steel Toilet with Hinged Seat
5. Storage Compartment
6. Toilet Paper Holder
7. Toilet Bowl Pedestal Base

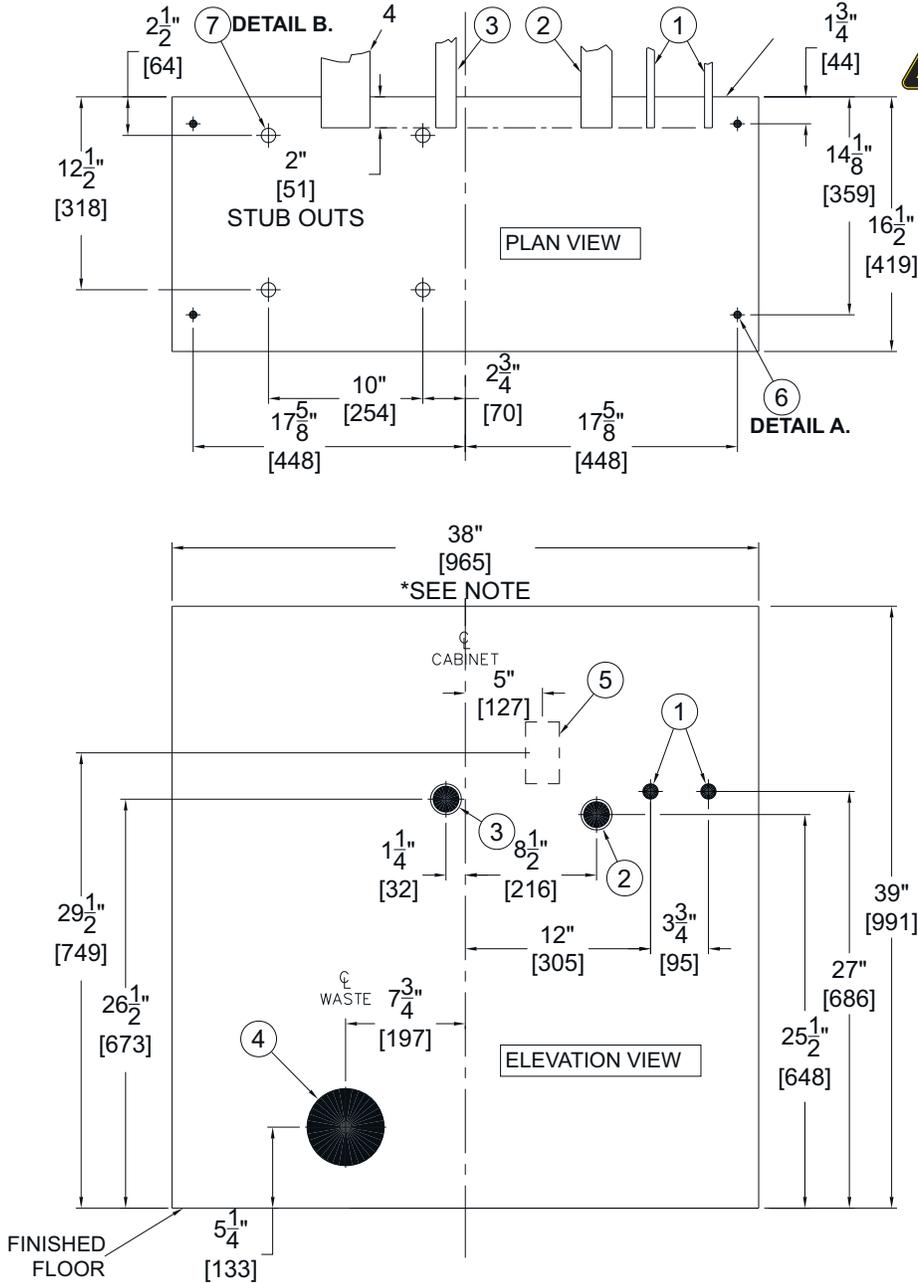


4010/4012/4015-L-1 Shown

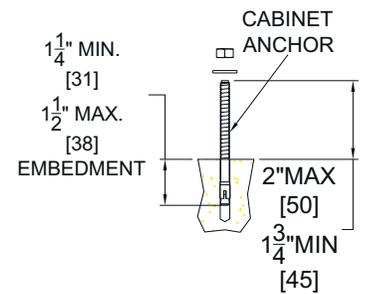
NOTE: All dimensions are in Inches (mm)
(L.H. Unit Shown, R.H. Unit Opposite)



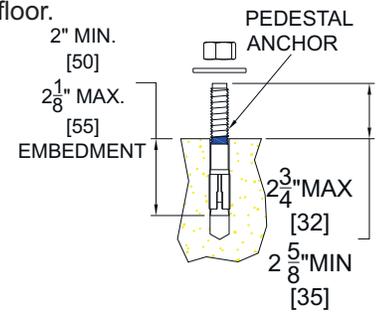
Model# 4010 Wall Waste Rough-Ins



- Clear opening for -4 Alcove unit is 38" wide plus 1/8" on each side.
- -2 and -3 Corner units should be against the side wall with 0" to 1/8" gap tolerance.
- Lavatory Rough-in Dimensions remain the same regardless of Countertop or Bowl material.



Install Cabinet Anchors [6] as required, drive anchors until they are embedded a min. of 1-1/4" into the floor.



Install Pedestal Anchors [7] as required, drive anchors until they are embedded a min. of 2" into the floor.

- A. 3/8" NCT Lavatory Valve Supply [1] (Braided Hose Supply Lines to Faucet By Others)
- B. 1-1/2" OD Lavatory Waste Outlet [2] (P-Trap By Others)
- C. 1" NPT Flush Valve Inlet [3]
- D. Toilet Pedestal is provided with 3" IPS Wall Waste Outlet [4] for No-Hub Connection
- E. **Optional -SO Faucet:** Provide 110VAC / 60HZ / 1Amp Electrical Receptacle [5] GFCI protected Circuit
- F. Cabinet Frame Mtg: 1/4"-20 UNC X 3-1/4" Cabinet Anchors [6] (provided). Drill Holes 1-5/8" deep min x 1/4" Dia. Detail A
- G. Toilet Pedestal Mtg 1/2"-13 UNC X 3-3/4" Pedestal Anchors [7] (provided). Drill Holes 2-5/8" deep X 1/2" Dia. Detail B

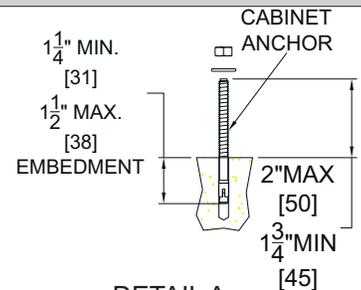
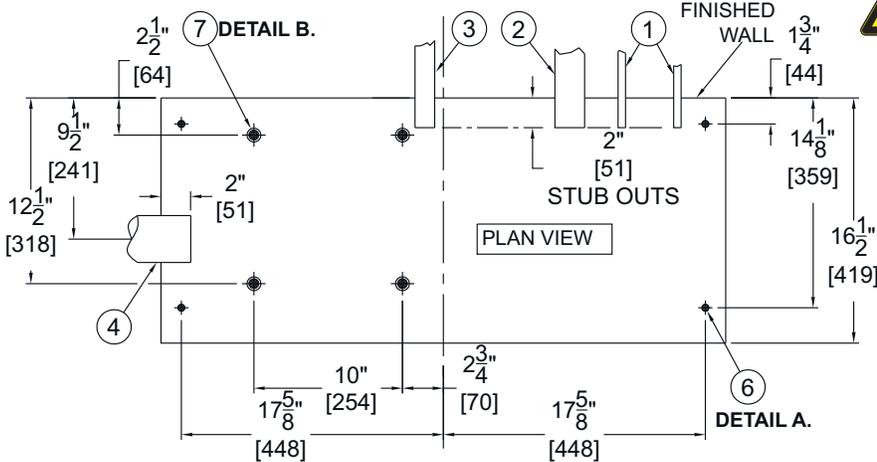


Model# 4012 Side Waste Rough-Ins



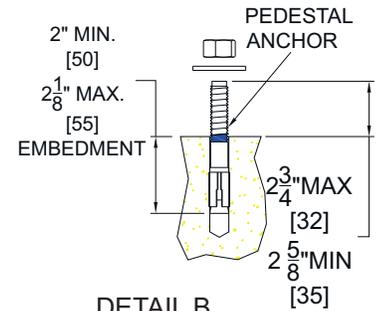
IMPORTANT

- Clear opening for -4 Alcove unit is 38" wide plus 1/8" on each side.
- -2 and -3 Corner units should be against the side wall with 0" to 1/8" gap tolerance.
- Lavatory Rough-in Dimensions remain the same regardless of Countertop or Bowl material.



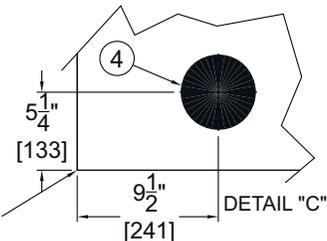
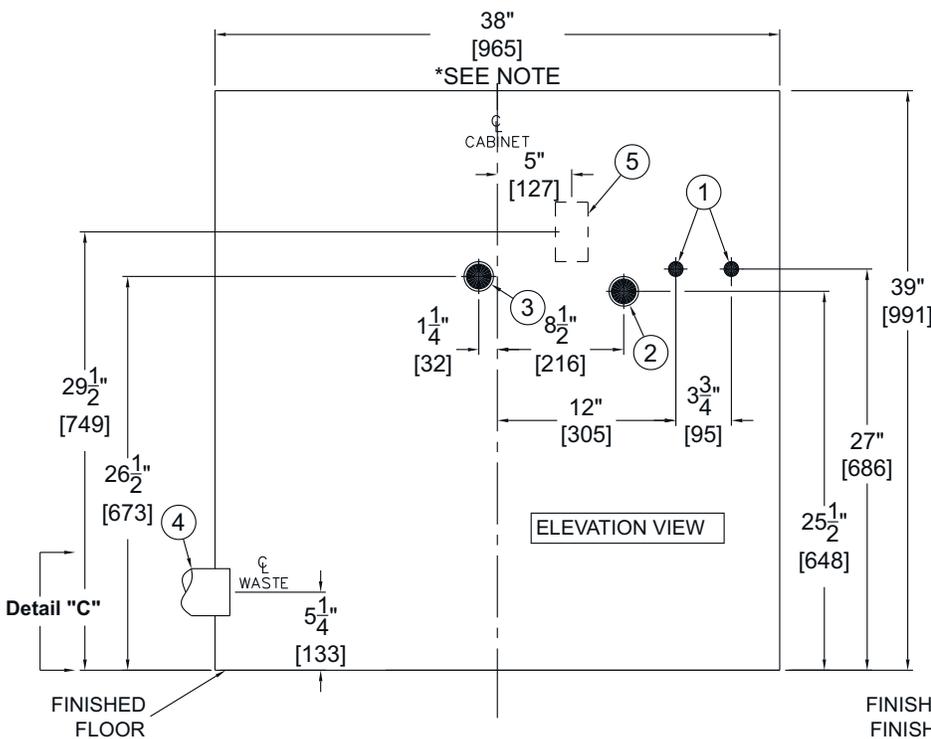
DETAIL A.

Install Cabinet Anchors [6] as required, drive anchors until they are embedded a min. of 1-1/4" into the floor.



DETAIL B.

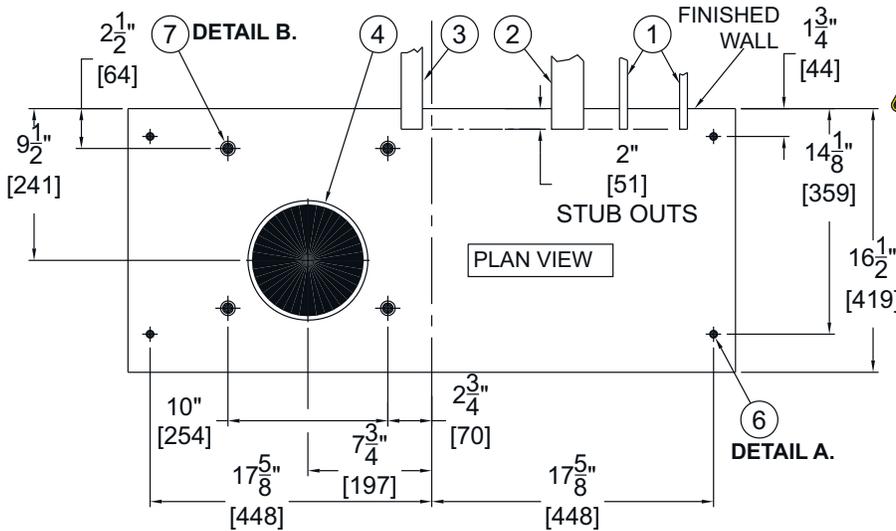
Install Pedestal Anchors [7] as required, drive anchors until they are embedded a min. of 2" into the floor.



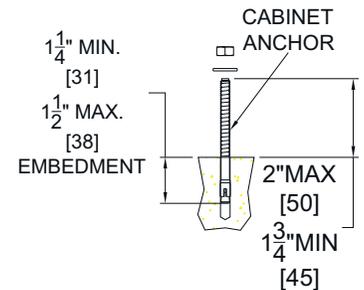
- 3/8" NCT Lavatory Valve Supply [1] (Braided Hose Supply Lines to Faucet By Others)
- 1-1/2" OD Lavatory Waste Outlet [2] (P-Trap By Others)
- 1" NPT Flush Valve Inlet [3]
- Toilet Pedestal is provided with 3" IPS Side Waste Outlet [4] for No-Hub Connection
- Optional -SO Faucet:** Provide 110VAC / 60HZ / 1Amp Electrical Receptacle [5] GFCI protected Circuit
- Cabinet Frame Mtg: 1/4"-20 UNC X 3-1/4" Cabinet Anchors [6] (provided). Drill Holes 1-5/8" deep min x 1/4" Dia. Detail A
- Toilet Pedestal Mtg 1/2"-13 UNC X 3-3/4" Pedestal Anchors [7] (provided). Drill Holes 2-5/8" deep X 1/2" Dia. Detail B



Model# 4015 Floor Waste Rough-Ins

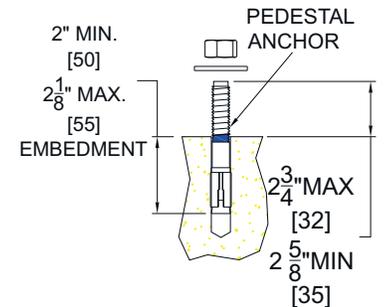


- Clear opening for -4 Alcove unit is 38" wide plus 1/8" on each side.
- -2 and -3 Corner units should be against the side wall with 0" to 1/8" gap tolerance.
- Lavatory Rough-in Dimensions remain the same regardless of Countertop or Bowl material.



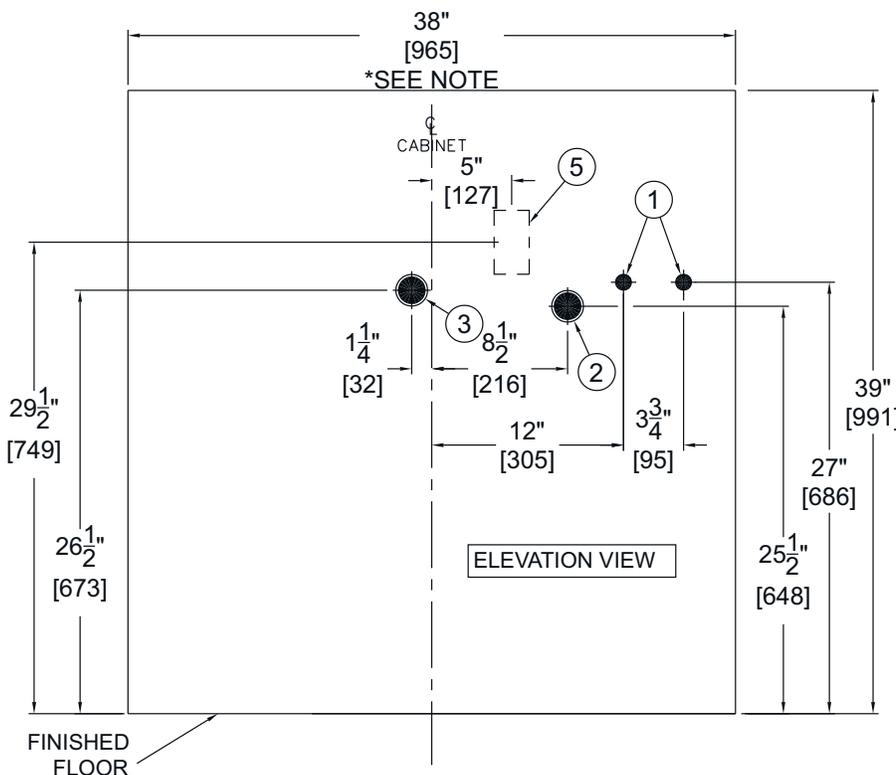
DETAIL A.

Install Cabinet Anchors [6] as required, drive anchors until they are embedded a min. of 1-1/4" into the floor.



DETAIL B.

Install Pedestal Anchors [7] as required, drive anchors until they are embedded a min. of 2" into the floor.



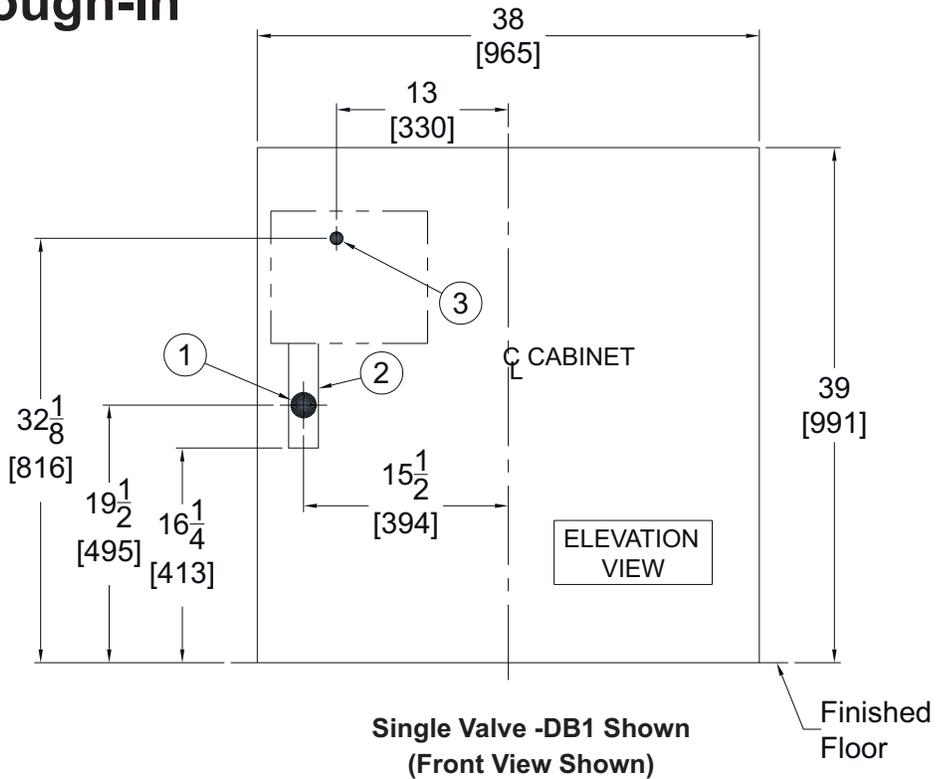
- 3/8" NCT Lavatory Valve Supply [1] (Braided Hose Supply By Others)
- 1-1/2" OD Lavatory Waste Outlet [2] (P-Trap By Others)
- 1" NPT Flush Valve Inlet [3]
- 7-1/2" Recessed Gasket Seat [4] for Floor Waste Outlet
- Optional -SO Faucet:** Provide 110VAC / 60HZ / 1Amp Electrical Receptacle [5] GFCI protected Circuit
- Cabinet Frame Mtg: 1/4"-20 UNC X 3-1/4" Cabinet Anchors [6] (provided). Drill Holes 1-5/8" deep min x 1/4" Dia. Detail A
- Toilet Pedestal Mtg 1/2"-13 UNC X 3-3/4" Pedestal Anchors [7] (provided). Drill Holes 2-5/8" deep X 1/2" Dia. Detail B



Optional -DB1 Rough-In

Optional -DB Rough-In for the Following:

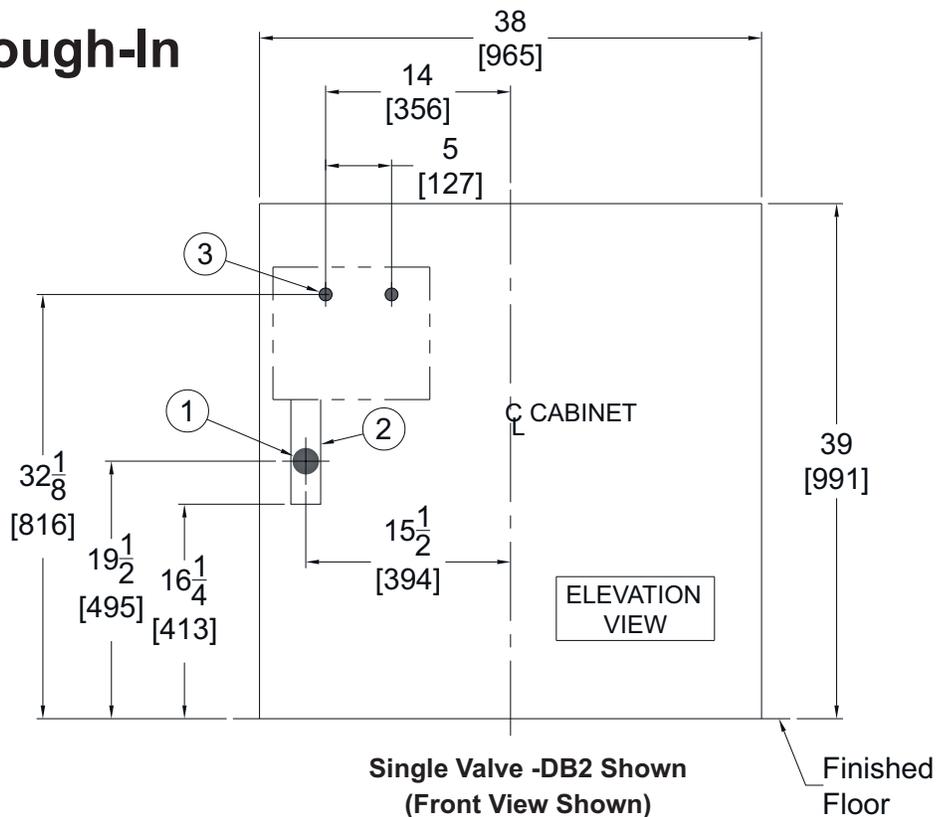
- A. Wall Waste [1] for P-Trap By Others to connect 1-1/2" OD Stainless Steel Dialysis Tailpiece Waste Outlet [2].
- B. Single Valve: 1/2" NPT [3] Supply Inlet extending 9-1/2" from wall to inlet.



Optional -DB2 Rough-In

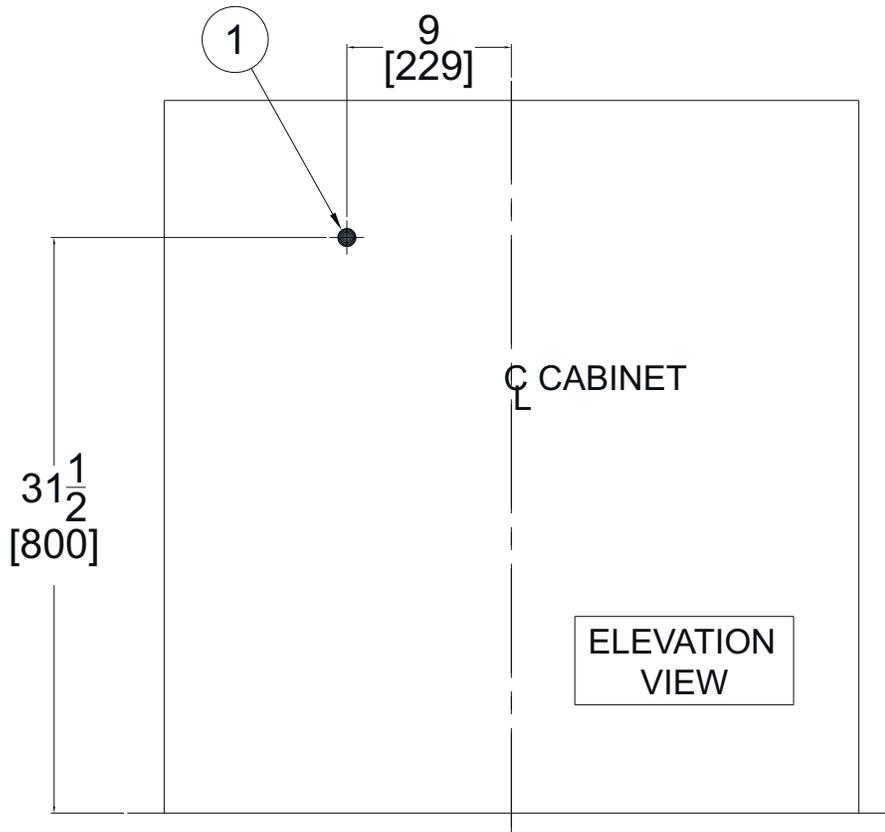
Optional -DB Rough-In for the Following:

- A. Wall Waste [1] for P-Trap By Others to connect 1-1/2" OD Stainless Steel Dialysis Tailpiece Waste Outlet [2].
- B. Dual Valve: 1/2" NPT [3] Supply Inlet extending 9-1/2" from wall to inlet.





Optional -BW Rough-In



L.H. MODEL SHOWN / R.H. MODEL IS OPPOSITE

Optional -BW Rough-In for the Following:

- A. Bedpan Washer Inlet [1] 1/2" NPTE From Vacuum Breaker By Others. Acorn recommends a Pressure Type Vacuum Breaker for backflow prevention. Follow local codes for installation of backflow prevention device.



CABINET INSTALLATION

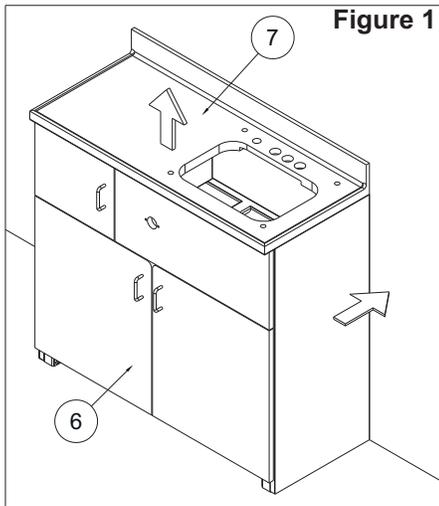


Figure 1

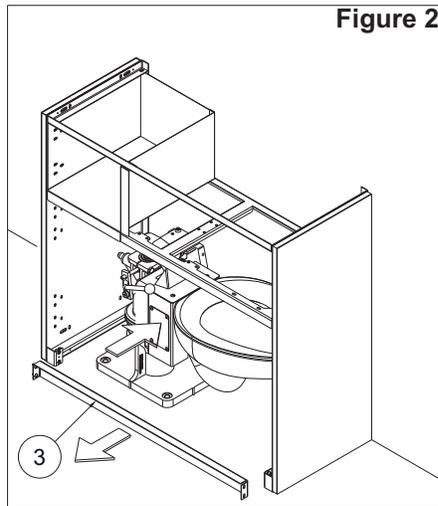
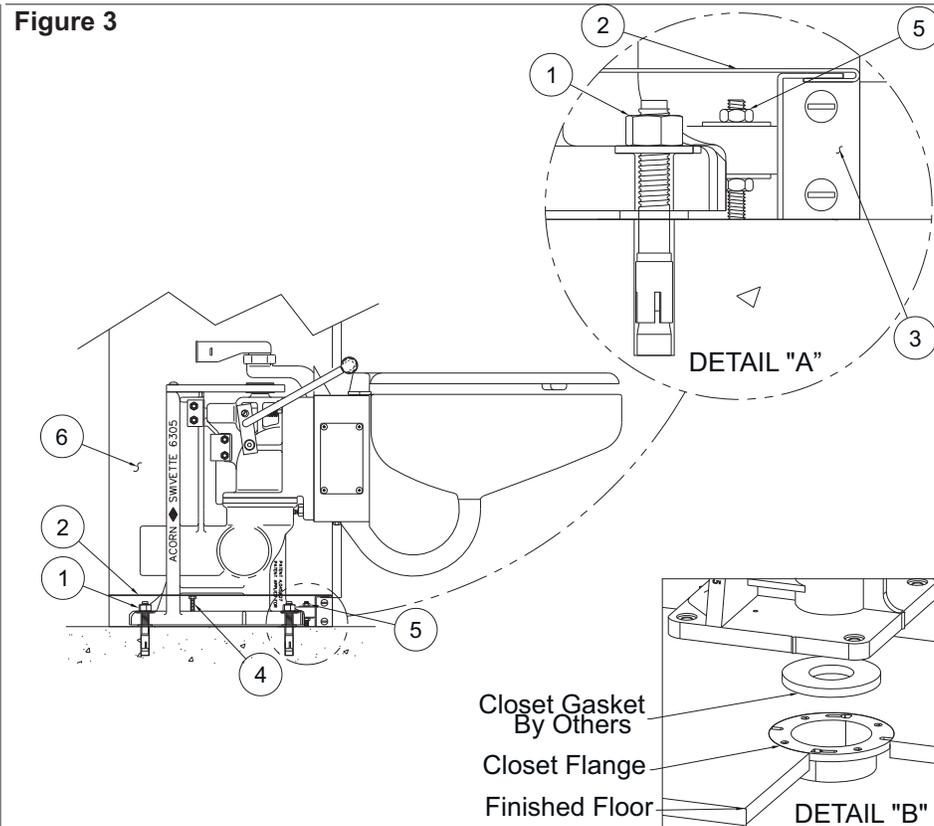


Figure 2

INSTALLATION INSTRUCTIONS:

- A. Remove Countertop [7] From Cabinets [6] and set to the side for a later time. (Figure 1)
- B. Set Cabinet against Finished wall, remove the cabinet floor panels and mount the unit to Cabinet Anchors [5]. (Figure 1)
- C. Remove the Toe Plate [3] and slide in the Toilet lowering the unit over the Pedestal Anchors [1].(Figure 2)
- **4010,4012 Models:** Prepare but do not finalize Side or Back Waste Connections.
- **4015 Models:** Waste Connections must be made at this time. Fixture Waste Outlet is 7-1/2" Recessed Gasket Flange. Detail "B".
- D. Level and Square Toilet Shim Pedestal as required see detail A.
- E. Finalize Side or Back Waste Connection for Models 4010 /4012.
- If Foot Operated Valve -VF: Proceed to Optional Foot Operated Valve installation found in this manual.
- F. Reinstall Toe Plate [3].
- G. Install Cabinet Floor Panels [2] to check squareness and fit. Shift Cabinet Frame as required until Flooring fits square.
- H. Level Floor with Floor Leveling Bolts [4] as required, Remove Flooring, tighten Cabinet Anchors [5].



Closet Gasket
By Others
Closet Flange
Finished Floor

DETAIL "B"



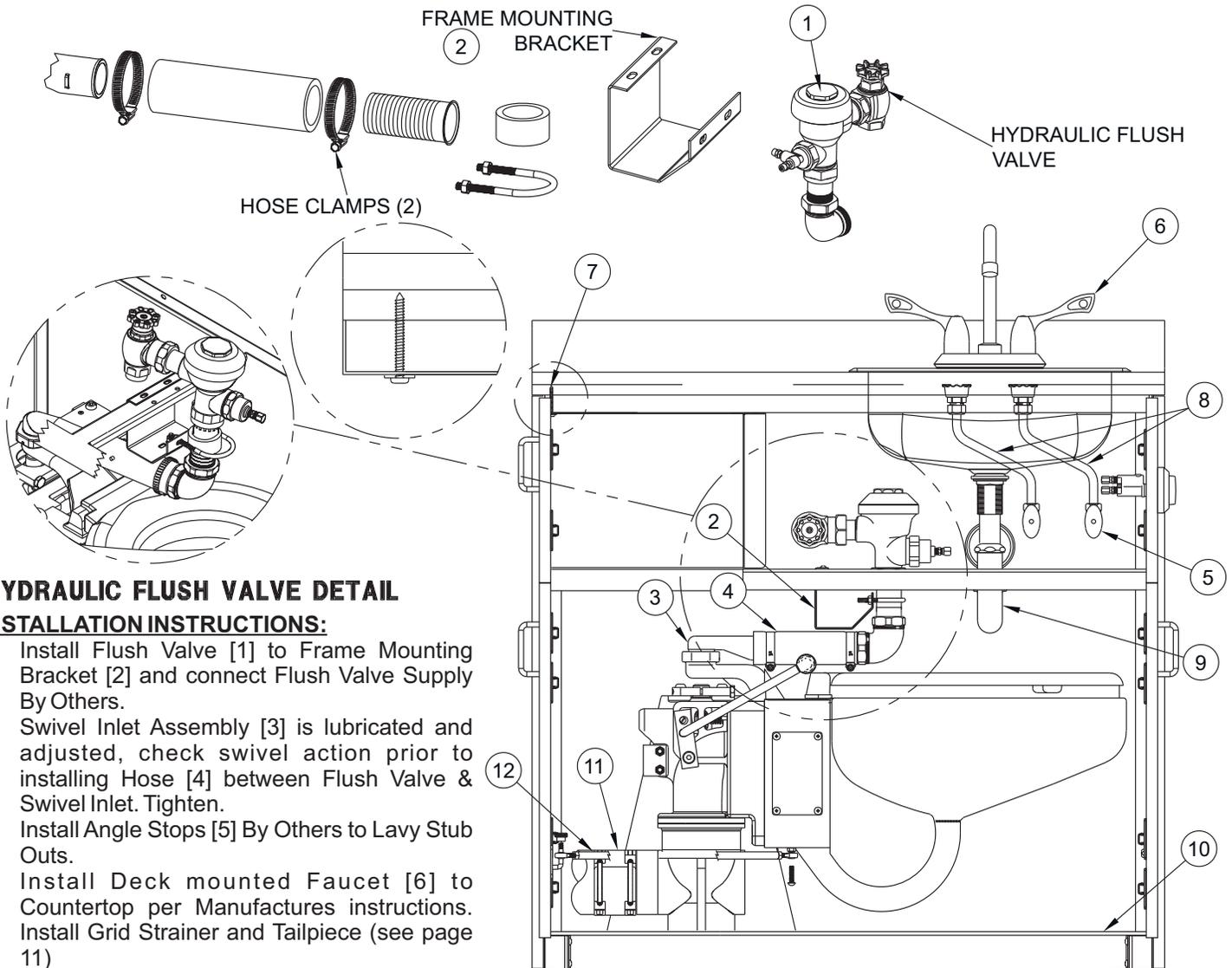
Floors and walls must be straight and plumb / square in order to prevent deformation of Cabinet and malfunction of Toilet assembly.



- Countertop is not mounted to Cabinet and should be handled with caution when first removing unit from packaging.
- Cabinet Frame must be stiffened and squared before bolting Frame to Floor. Acorn will not accept responsibility for Cabinetry Alignment if this procedure is not followed.
- As required re-align Doors [6] on Cabinet: Loosen screws on hinges, adjust, & re-tighten screws.



FLUSH VALVE INSTALLATION



HYDRAULIC FLUSH VALVE

PUSH BUTTON

HYDRAULIC FLUSH VALVE DETAIL

INSTALLATION INSTRUCTIONS:

- A. Install Flush Valve [1] to Frame Mounting Bracket [2] and connect Flush Valve Supply By Others.
- B. Swivel Inlet Assembly [3] is lubricated and adjusted, check swivel action prior to installing Hose [4] between Flush Valve & Swivel Inlet. Tighten.
- C. Install Angle Stops [5] By Others to Lavy Stub Outs.
- D. Install Deck mounted Faucet [6] to Countertop per Manufactures instructions. Install Grid Strainer and Tailpiece (see page 11)
- E. Install Countertop [7] to frame with 4 screws provided. Caulk to Wall.
- F. Connect Hot and Cold Supply Risers [8] By Others to Angle Stops [5] and Faucet [6].
- G. *Foot Pedal operated models connect Faucet to Valve with Flexible Riser Tubing Provided.
- H. Install Lavatory Waste Assembly [9].
- I. Re-install Flooring [10] Caulk gap between Toilet Pedestal and Cabinet with white Silicon. **DO NOT USE SELF-LEVELING CAULK.**
- J. If Toilet Waste is Side Wall Outlet model connect Waste Outlet with Clamp Type [11] Coupling. Install upper and lower Side Panels.
- K. Install Toilet Door Linkage [12] and adjust. Door must fully close before Toilet Bowl hits back Wall.



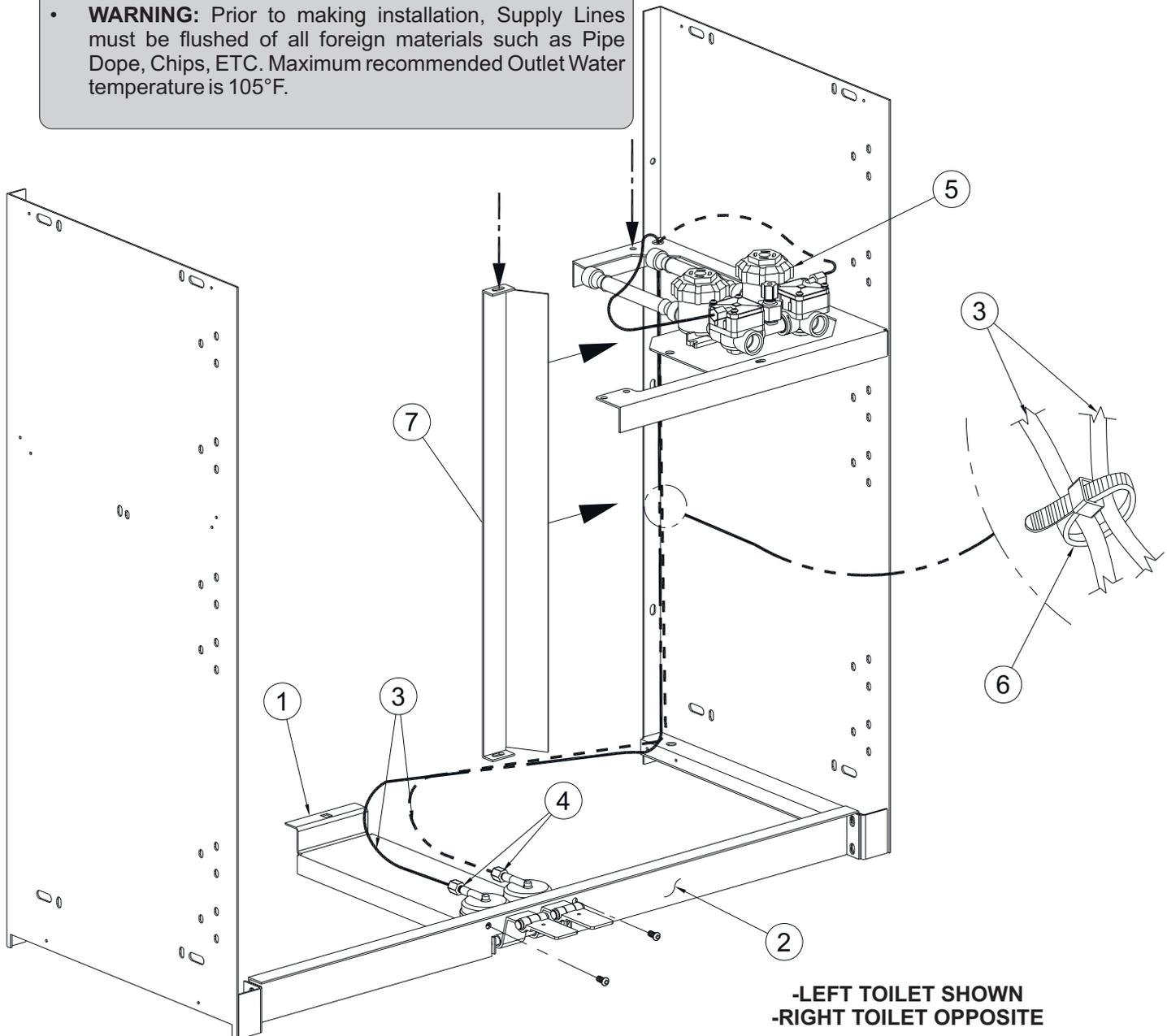
- For Optional Flush Cycle Interruption -FCI refer to Optional Flush Cycle Interruption manual.
- Follow Manufacture's installation procedures for your Flush Valve.
- Do not cut length of Tubing provided.
- Do not tape or fix Tubing in a stationary position.
- Flush Valve Lines and Push-in Fittings will be color-coded for easy identification and connection.



OPTIONAL -VF FOOT VALVE INSTALLATION

! IMPORTANT

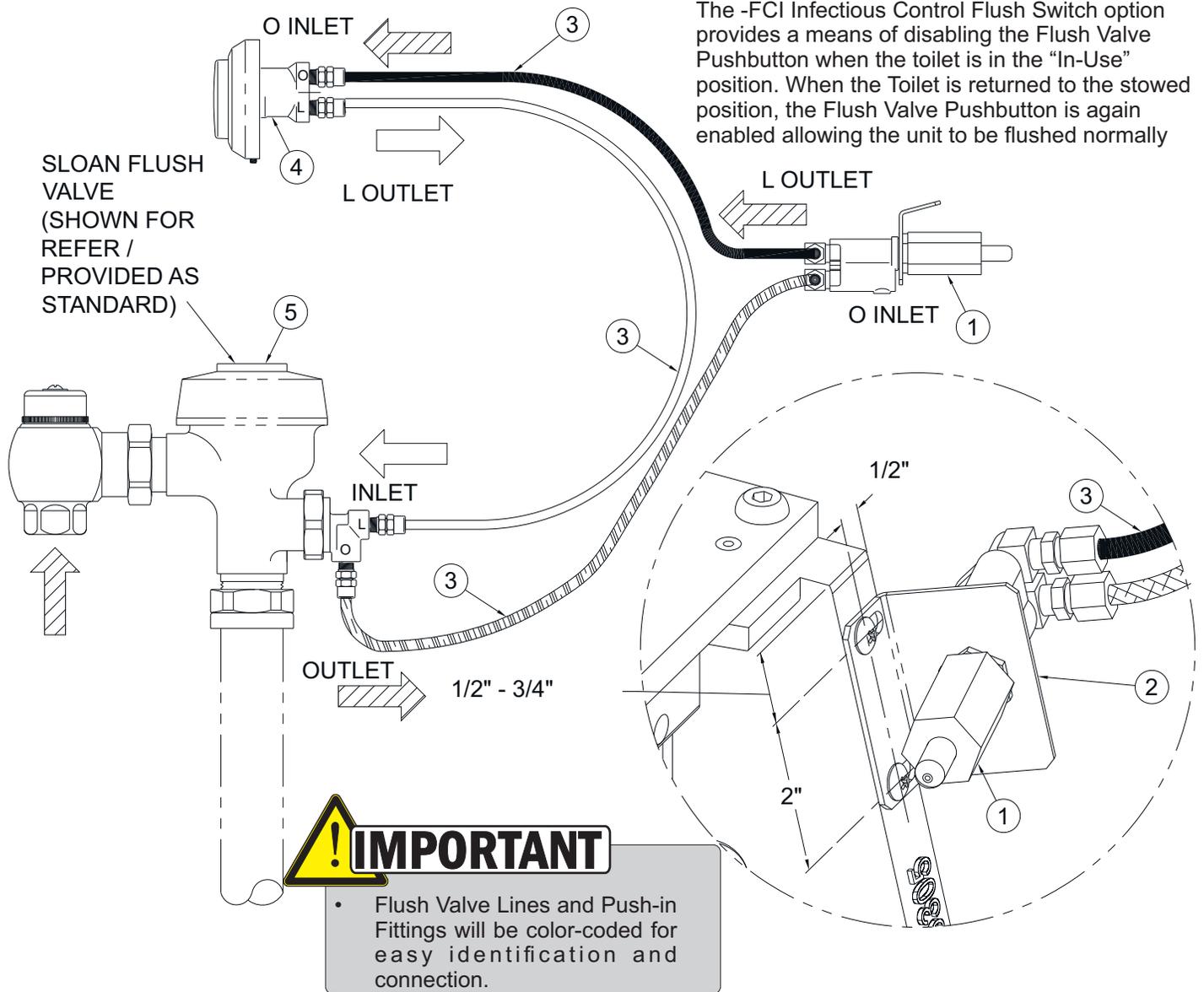
- Maximum recommended working pressure is 100 PSI; Temperature is 130°F; Outlet Temperature is recommended at a maximum of 105°F.
- **WARNING:** Prior to making installation, Supply Lines must be flushed of all foreign materials such as Pipe Dope, Chips, ETC. Maximum recommended Outlet Water temperature is 105°F.



- Attach Foot Pedal Assembly [1] to Toe Panel [2].
- Run 1/8" Dia. Air Lines [3] from Foot Pushbuttons [4] to Valve Body [5]. Use Cable Ties [6] (3) provided to keep lines together & straight.
- Slide Cable cover [7] Between rear angle & side of Cabinet.
- Return to page 8 and continue installation from where left off.



OPTIONAL -FCI INFECTIOUS CONTROL FLUSH INSTALLATION



INSTALLATION INSTRUCTIONS:

- Mount the Flush Valve Interrupt Bracket [2] to the Toilet Swivet Pedestal.
- Assemble Switch [1] to Flush Valve Interrupt Bracket [2] connect the 1/4" Supply Tubing [3] to the appropriate position on the Pushbutton Assembly [4], connect the 1/4" Supply Tubing [3] from the Flush Valve [5] to the Switch [1] from the switch to the Pushbutton [4] using the tubing supplied with your Flush Valve.
- Check the operation of the Flush Valve and -FCI observing for leaks.



FIXTURE & WASTE ASSEMBLY

FIXTURE ASSEMBLY

Prior to installing the Countertop onto Frame Assembly, it is recommended to install the Grid Strainer and Close Elbow assembly as shown as well as Faucet, see Optional Faucet Installation instructions, link below.

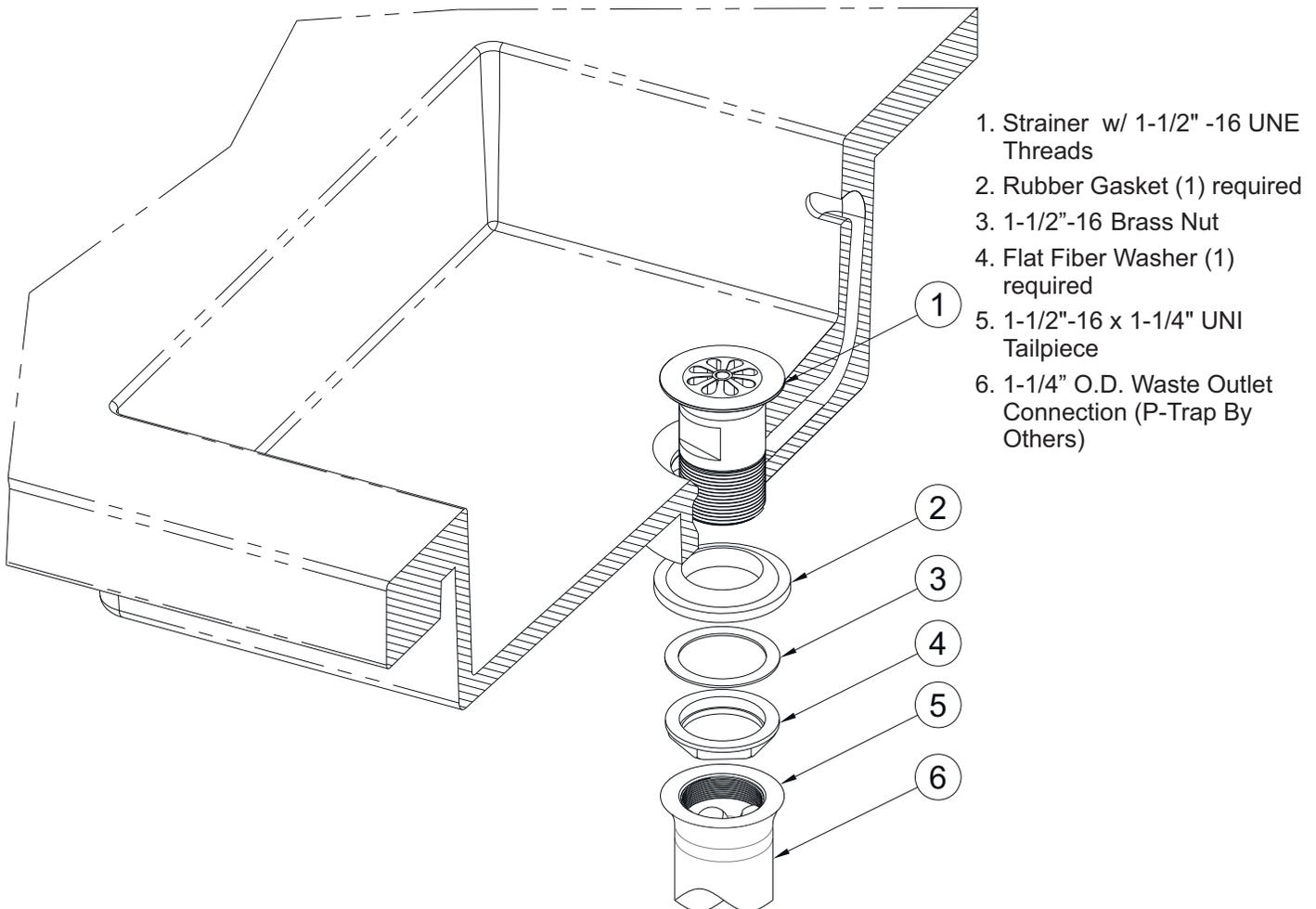
<https://www.whitehallmfg.com/uploads/fileLibrary/6900-208-001%20BestCare%20Faucets.pdf>

WASTE ASSEMBLY



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

Install Strainer to Basin using plumbers putty on underside of Grid Strainer Flange. From beneath Basin, assemble Gasket, Washer and Jam Nut as shown to Strainer and tighten securely.

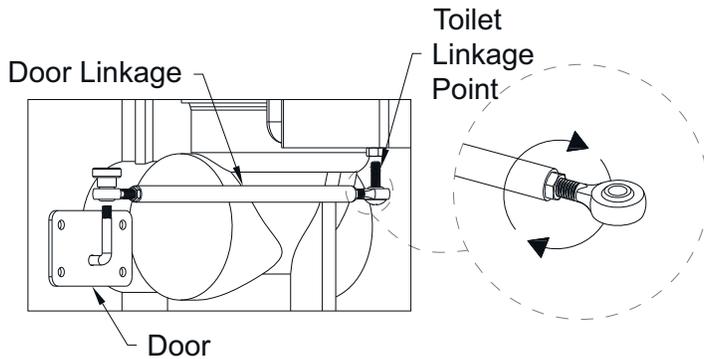


 **NOTE:** Waste Assembly may be provided with Extra items not required in this assembly.

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



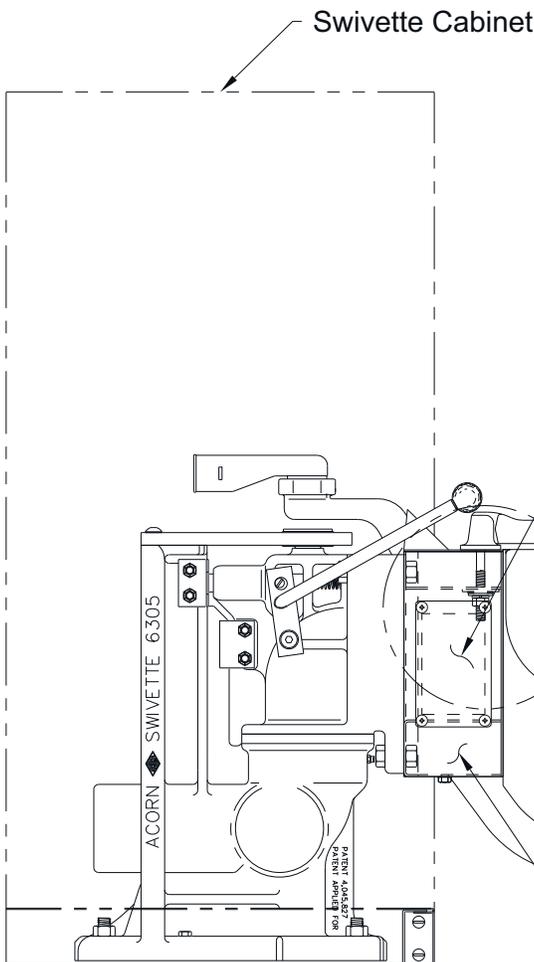
ADJUST DOOR LINKAGE



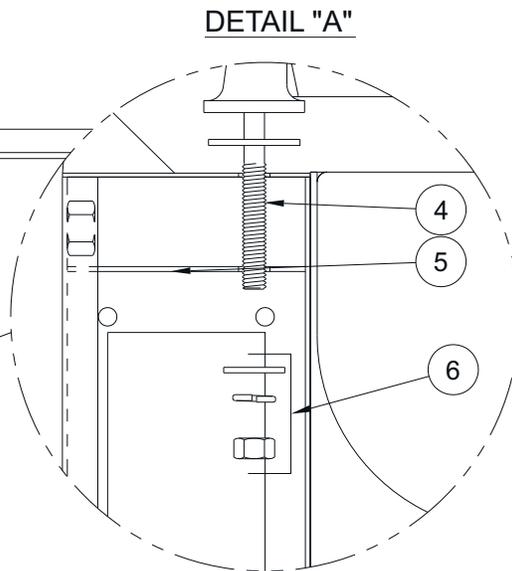
ADJUSTING DOOR LINKAGE:

To adjust door linkage rotate the nut along with the rod end to desired length and tighten nut to secure. When properly adjusted, length of Linkage will allow Toilet Bowl to swivel forward, perpendicular to Cabinet enough for upper Spring Loaded Pin Mechanism to lock the Toilet Pedestal in the open position. Additionally, it should allow Cabinet Door to close completely and engage Door Magnets when Toilet is returned to closed position.

SWIVETTE TOILET SEAT REPLACEMENT



When removing access panel please note that Housing may have sharp edges & caution is advised when replacing Swivette Toilet Seat.



INSTALLATION INSTRUCTIONS:

- Remove Access Panel [1] from both sides of Housing [2] using a Phillips head.
- Place Rubber Gasket [3] onto seat's Threaded Rods [4].
- Position seat onto Toilet Housing [2] and slide Seat Threaded Rods [4] through Spacer Channel [5].
- Assemble Hardware [6] as shown in Detail "A".
- Ensure all Hardware is tight and replace Access Panels [1] to Housing [2]