



INSTALLATION, OPERATIONS & MAINTENANCE MANUAL

Care-Ware® Bedside Patient care units

Models: 4030 / 4032 / 4035



**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:

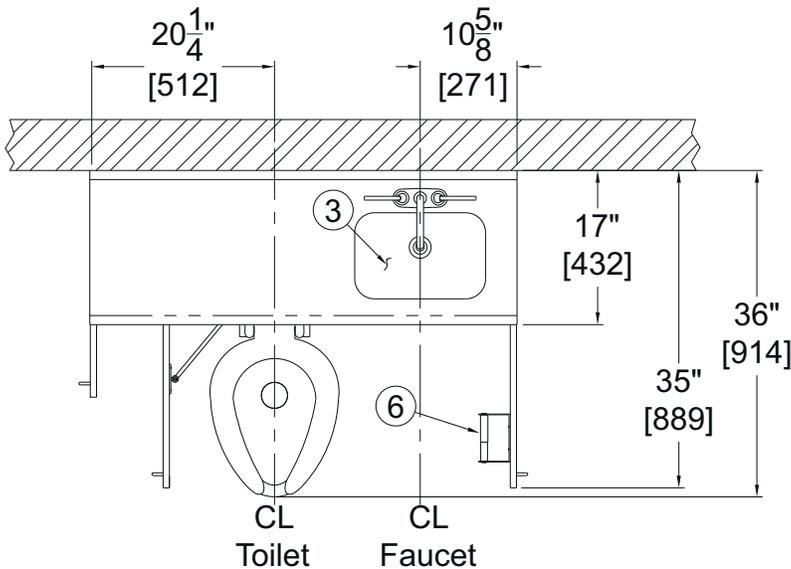
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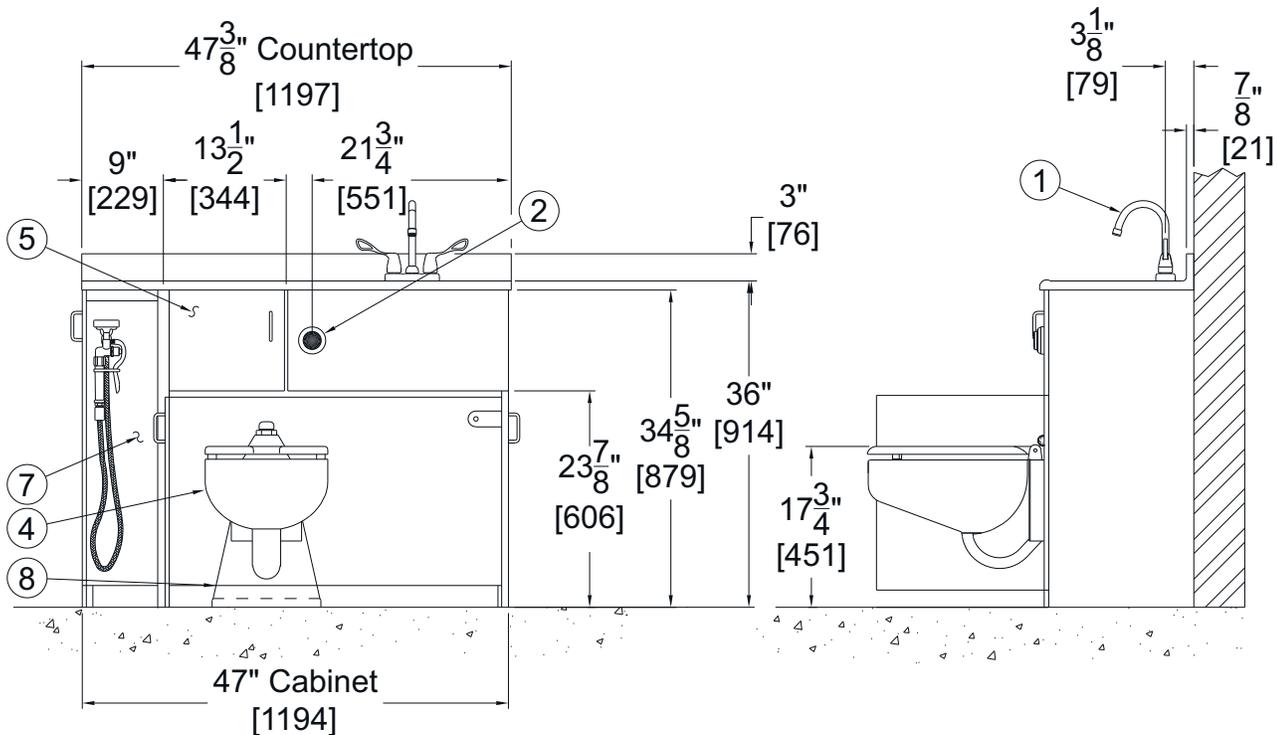
TECHNICAL DIMENSIONS

Models 4030 /4032/ 4035



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. Bedpan Washer Compartment
8. Toilet Bowl Pedestal Base

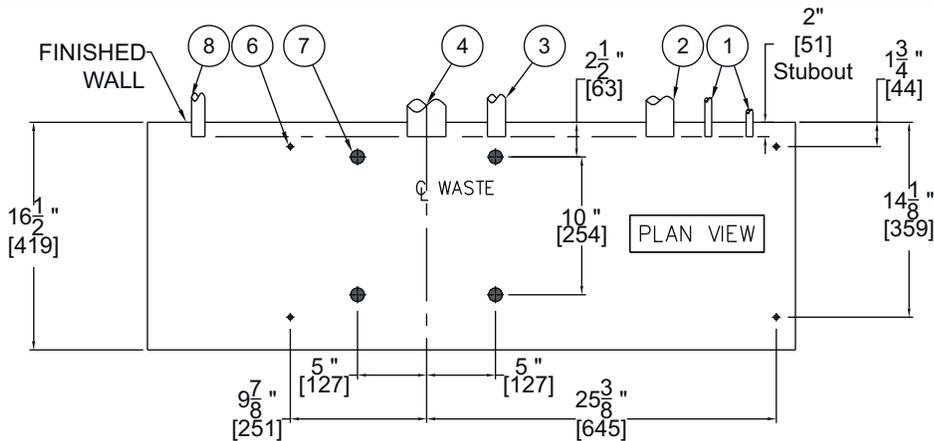


4030/4032/4035-L-1 Shown

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

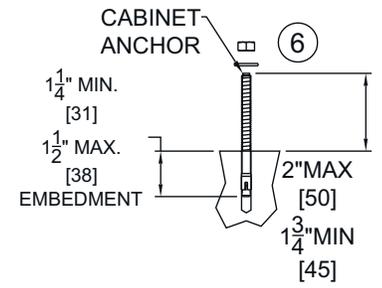
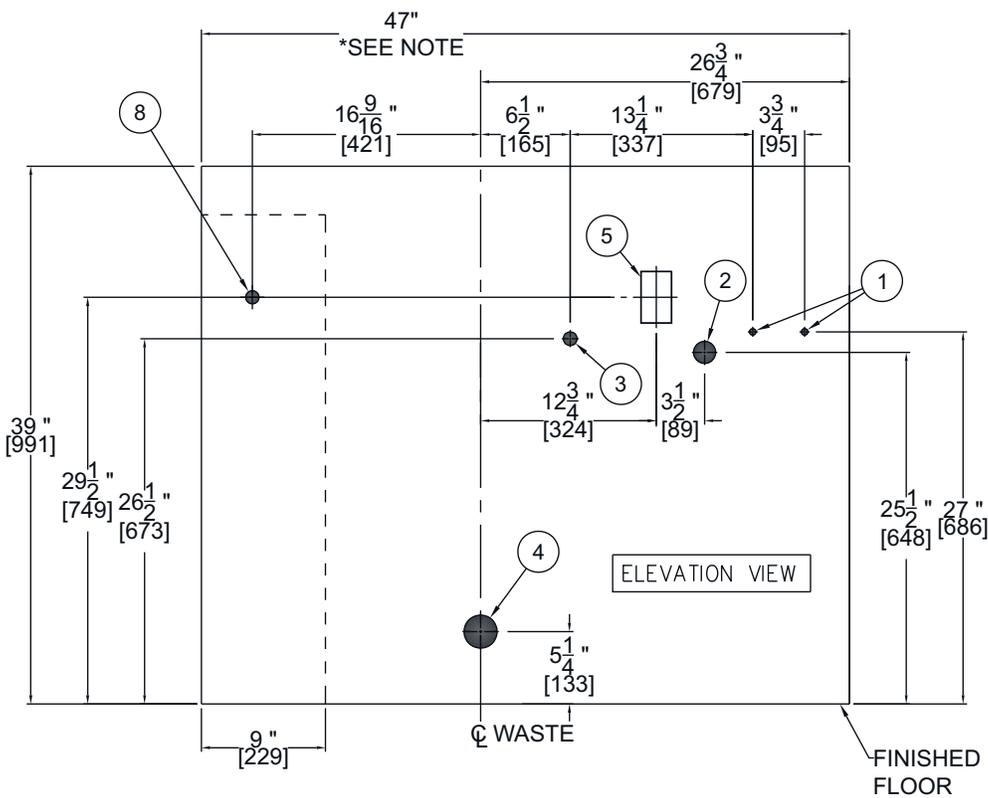


Model# 4030 Wall Waste Rough-Ins



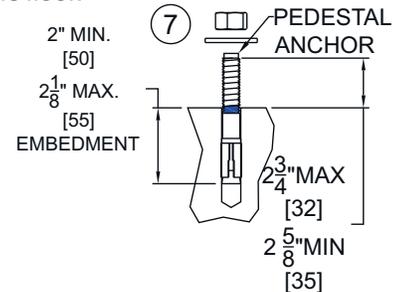

IMPORTANT

- Clear opening for -4 Alcove unit is 47" 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.

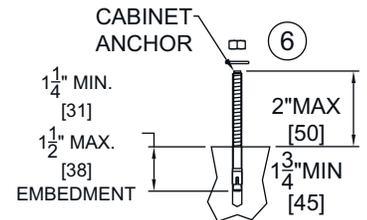
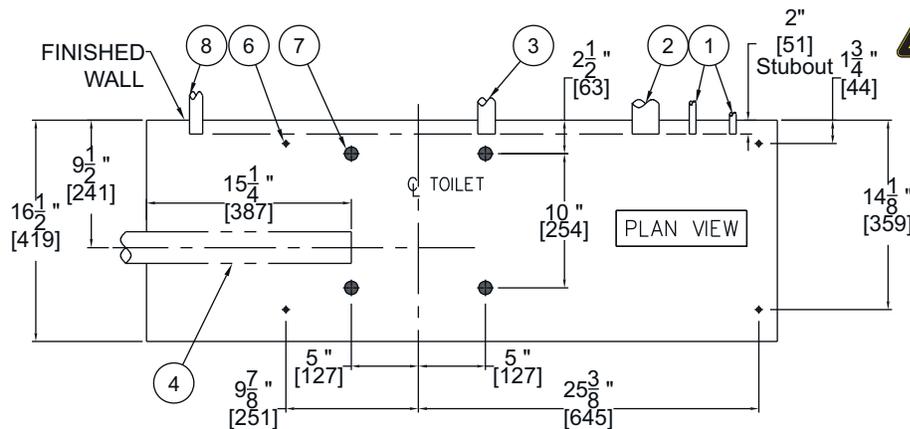
- A. 3/8" NCT Lavatory Valve Supply [1] (Braided Hose Supply Lines to Faucet provided By Others).
- B. 1-1/2" OD Lavatory Waste Outlet [2] (P-Trap By Others).
- C. 1" NPT Flush Valve Inlet [3].
- D. Toilet Pedestal is provided with 3" IPS Wall Waste Outlet [4] for No-Hub Connection.
- E. **Optional -SO Faucet:** Provide 110VAC / 60HZ / 1Amp Electrical Receptacle [5] GFCI protected Circuit.
- F. Cabinet Frame Mgt: 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. Pedestal Frame Mgt: 1/2"-13 UNC X 1-1/2" Pedestal Anchors [7] (provided) Drill Holes 2-5/8" deep X 1/2" Dia. Detail B.
- H. 1/2" NPTE Bedpan Washer Inlet [8] from Vacuum Breaker By Others. Acorn recommends a Pressure Type Vacuum Breaker for backflow prevention. Follow local codes for installation of backflow prevention device.



Model# 4032 Side Waste Rough-Ins

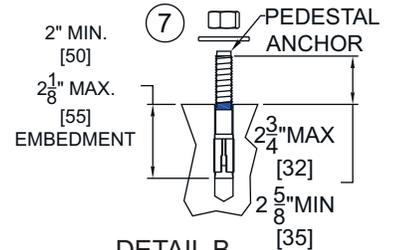


- Clear opening for -4 Alcove unit is 47" wide plus 1/8" on each side.
- -2 and -3 Corner units should be against the side wall with 0" to 1/8" gap tolerance.
- Lavatory Rough-in Dimensions remain the same regardless of Countertop or Bowl material.



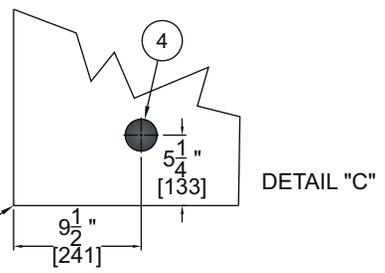
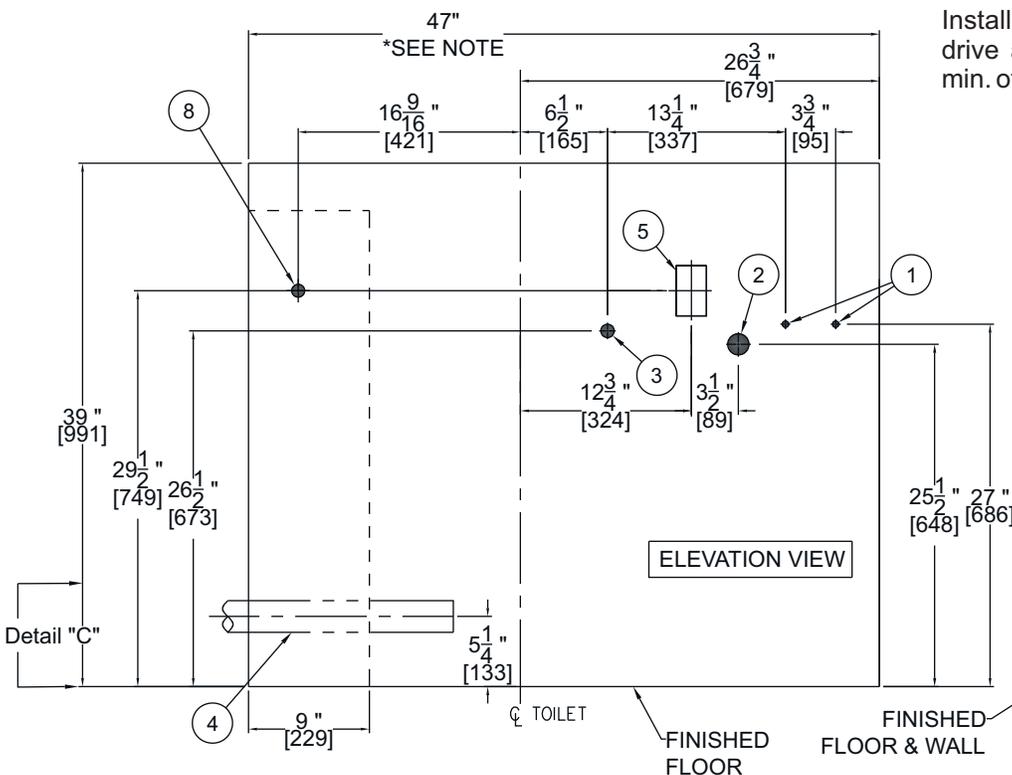
DETAIL A.

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.

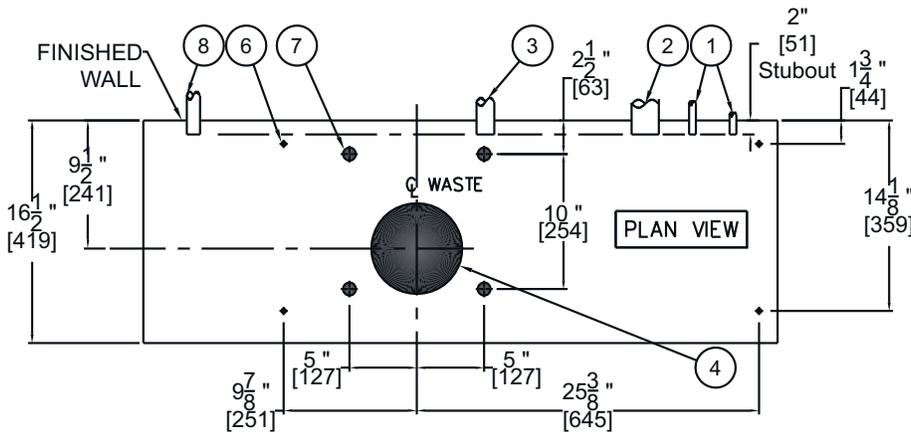


- 3/8" NCT Lavatory Valve Supply [1] (Braided Hose Supply Lines to Faucet Provided By Others).
- 1-1/2" OD Lavatory Waste Outlet [2] (P-Trap By Others).
- 1" NPT Flush Valve Inlet [3].
- Toilet Pedestal is provided with 3" IPS Side Waste Outlet [4] for No-Hub Connection.
- Optional -SO Faucet:** Provide 110VAC / 60HZ / 1Amp Electrical Receptacle [5] GFCI protected Circuit.
- Cabinet Frame Mgt: 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.
- Pedestal Frame Mgt: 1/2"-13 UNC X 1-1/2" Pedestal Anchors [7] (provided) Drill Holes 2-5/8" deep X 1/2" Dia. Detail B.
- 1/2" NPT Bedpan Washer Inlet [8] from Vacuum Breaker By Others. Acorn recommends a Pressure Type Vacuum Breaker for backflow prevention. Follow local codes for installation of backflow prevention device..



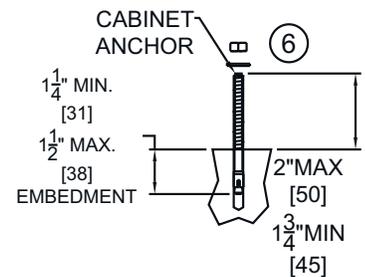
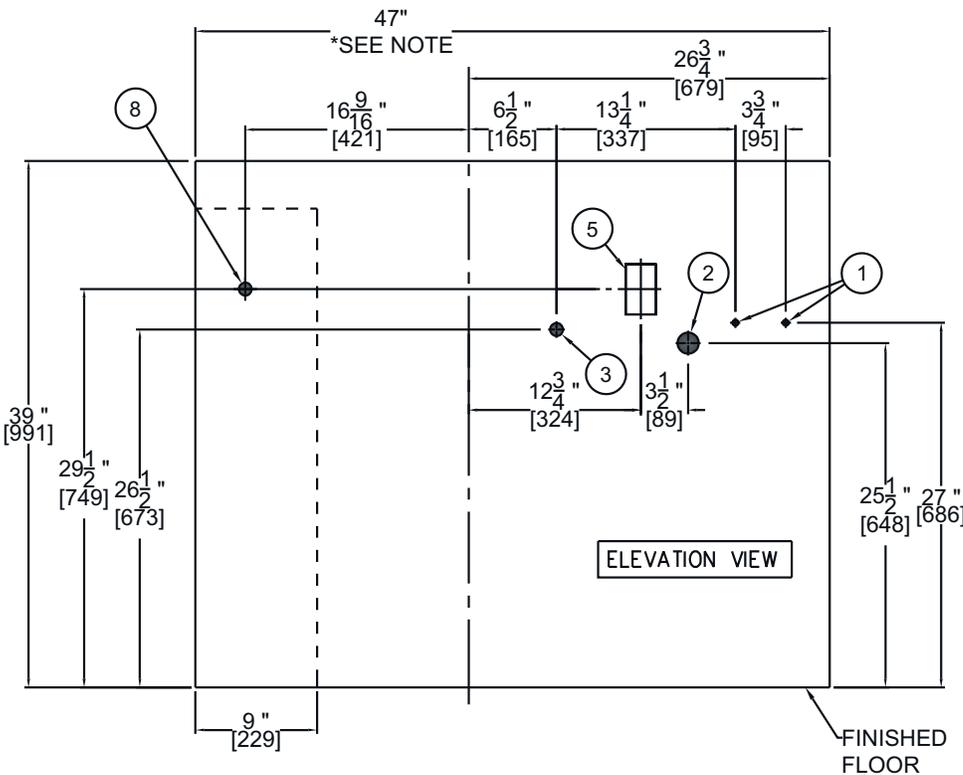
INSTALLATION, OPERATIONS & MAINTENANCE MANUAL

Model# 4035 Floor Waste Rough-Ins



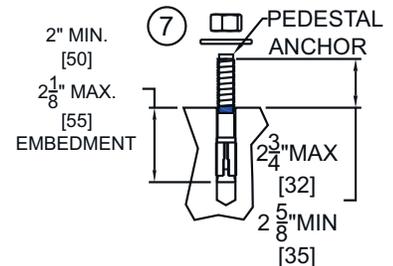
IMPORTANT

- Clear opening for -4 Alcove unit is 47" 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.

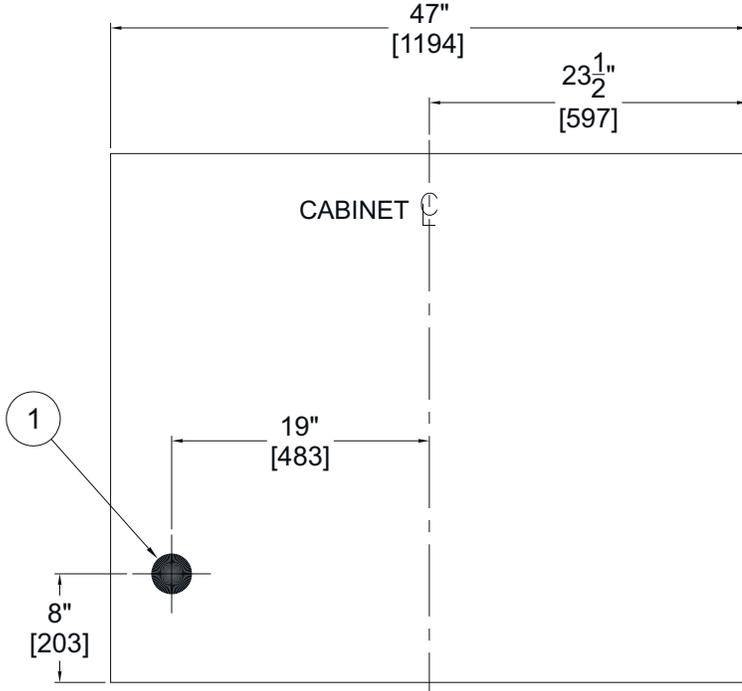
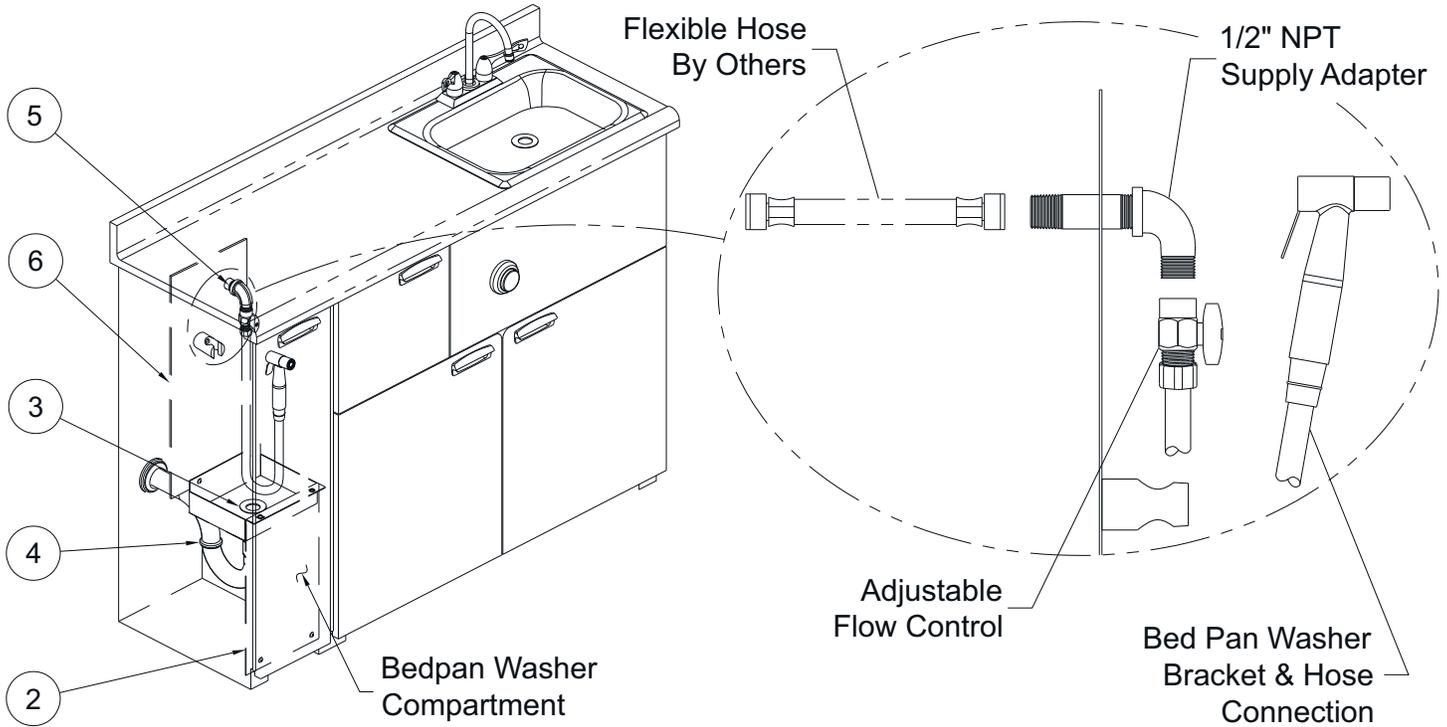
Install Pedestal Anchors [7] as required, drive anchors until they are embedded a min. of 2" into the floor.

- 3/8" NCT Lavatory Valve Supply [1] (Braided Hose Supply Lines to Faucet Provided 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 Mgt: 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.
- Pedestal Frame Mgt: 1/2"-13 UNC X 1-1/2" Pedestal Anchors [7] (provided) Drill Holes 2-5/8" deep X 1/2" Dia. Detail B.
- 1/2" NPTE Bedpan Washer Inlet [8] from Vacuum Breaker By Others. Acorn recommends a Pressure Type Vacuum Breaker for backflow prevention. Follow local codes for installation of backflow prevention device.

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Optional -BWD Bed Pan Washer Drain Waste Rough-In



BED PAN WASHER HEAD ASSEMBLY

INSTALLATION INSTRUCTIONS:

- A. Rough-in for Bedpan Waste Outlet [1] 1-1/2" O.D.
- B. Remove lower Face Plate [2] to gain access to the Optional Drain Box [3] and P-Trap By Others, by unscrewing the (4) fasteners on Plate.
- C. For access to the inlet supply of the Pan Washer [5] by unscrewing the (4) fasteners on plate.

-BWD ROUGH-IN FOR MODEL WITH LEFT SIDE BW SHOWN FROM FIXTURE SIDE

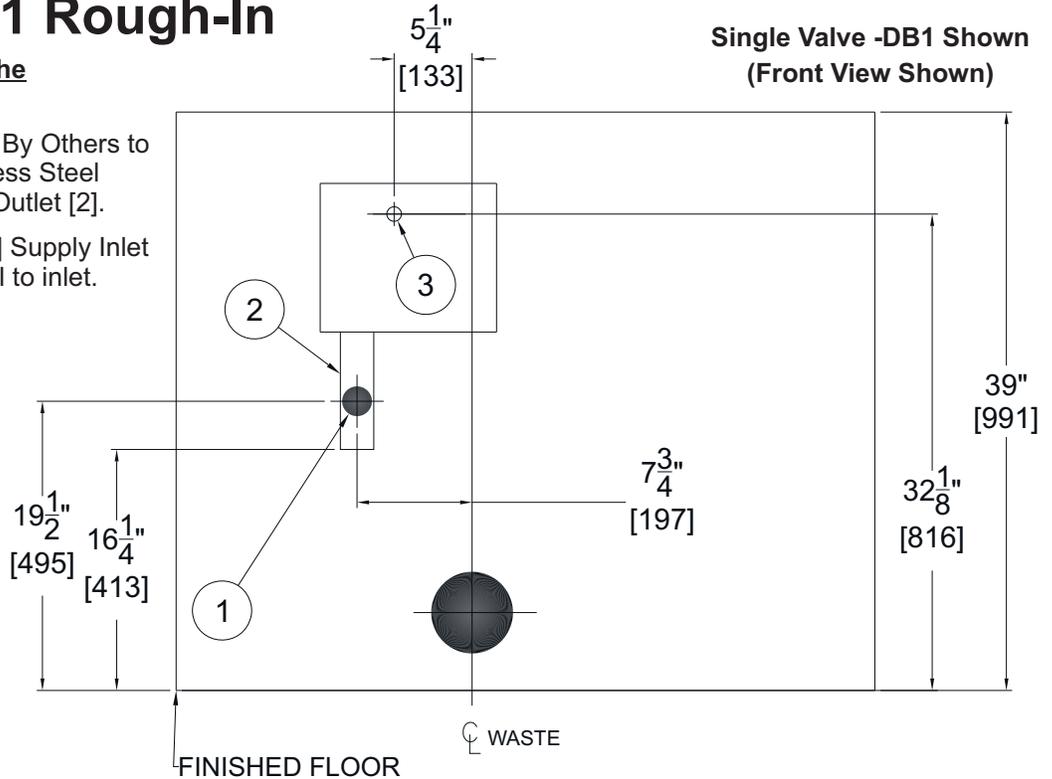


ADDITIONAL ROUGH-INS FOR OPTIONAL COMPONENTS

Optional -DB1 Rough-In

Optional -DB Rough-In for the Following:

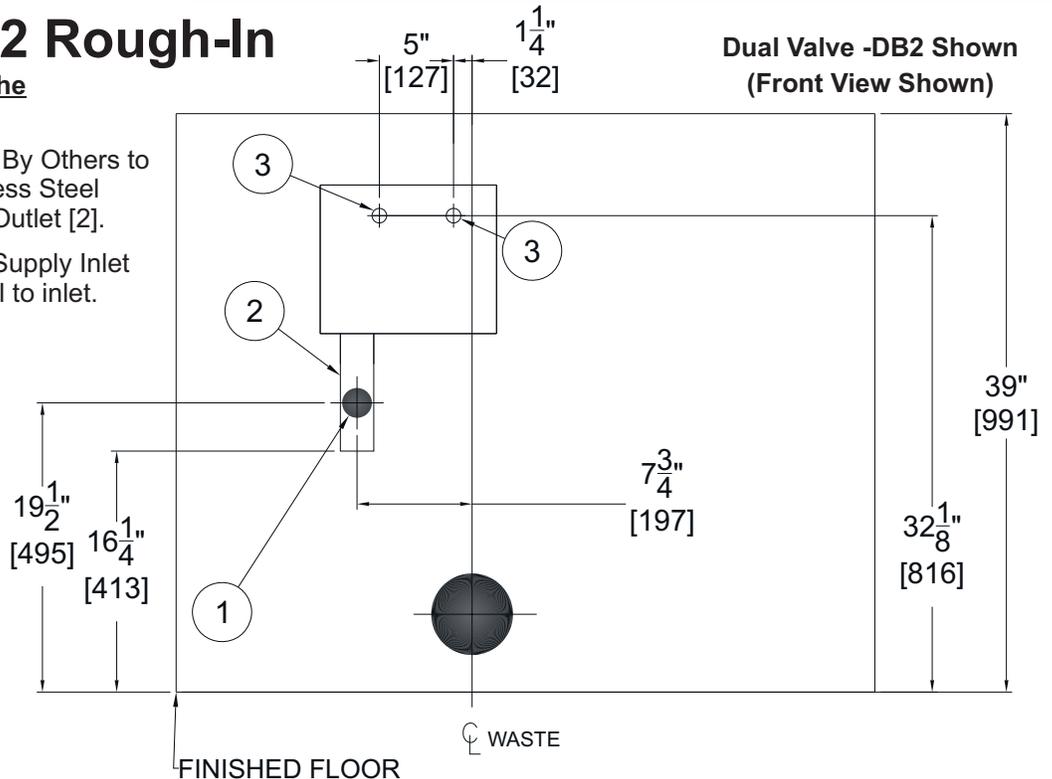
- A. Wall Waste [1] for P-Trap By Others to connect 1-1/2" OD Stainless Steel Dialysis Tailpiece Waste Outlet [2].
- B. Single Valve: 1/2" NPT [3] Supply Inlet extending 9-1/2" from wall to inlet.



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.





CABINET INSTALLATION

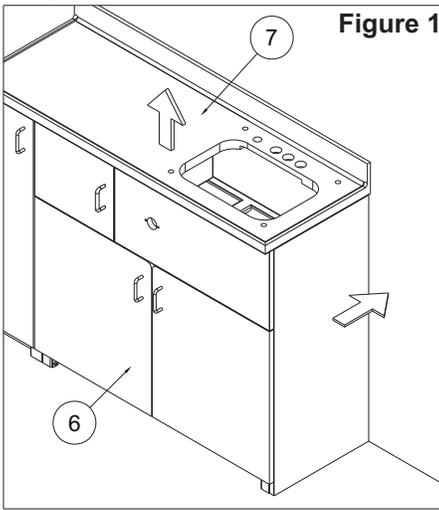


Figure 1

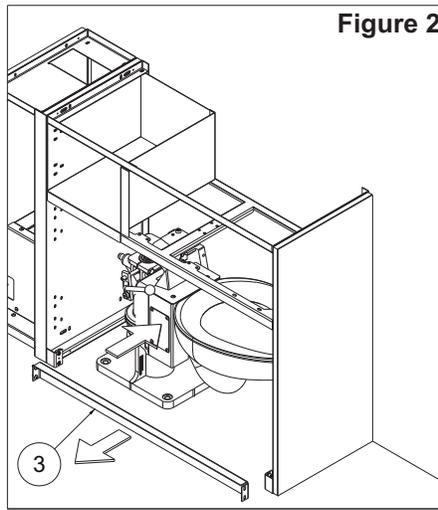


Figure 2

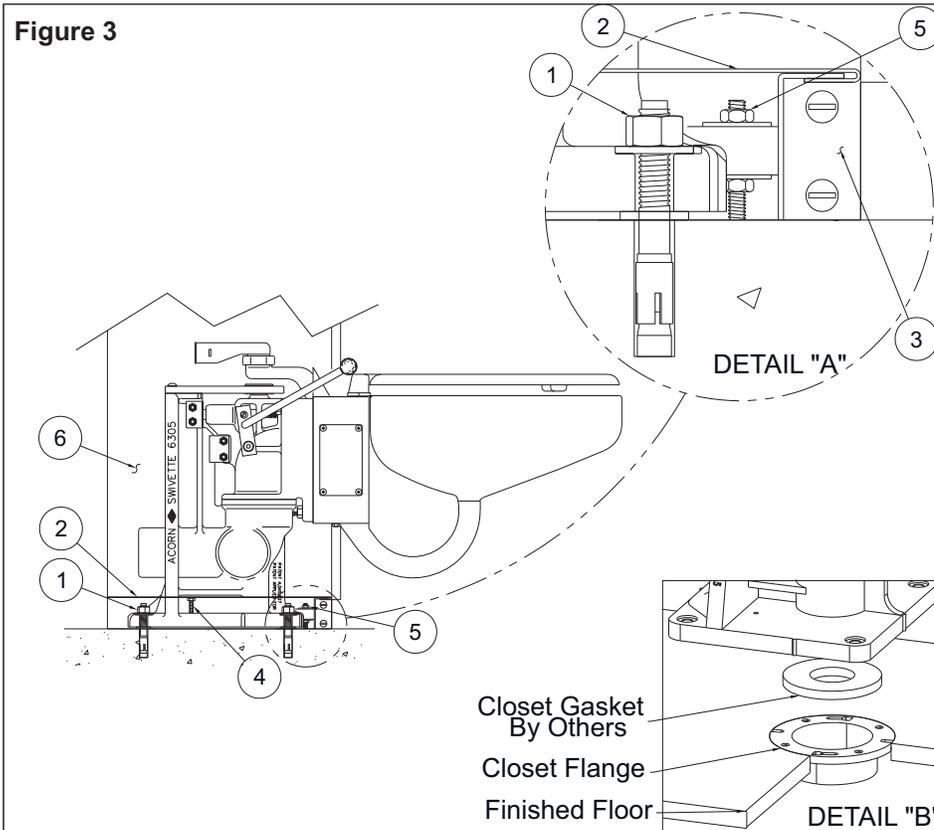
INSTALLATION INSTRUCTIONS:

- 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)

- **4030,4032 Models:** Prepare but do not finalize Side or Back Waste Connections.

- **4035 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 4030 /4032.
 - If Foot Operated Valve -VF: Proceed to Optional Foot Operated Valve installation **page 10**.
- 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"

!IMPORTANT

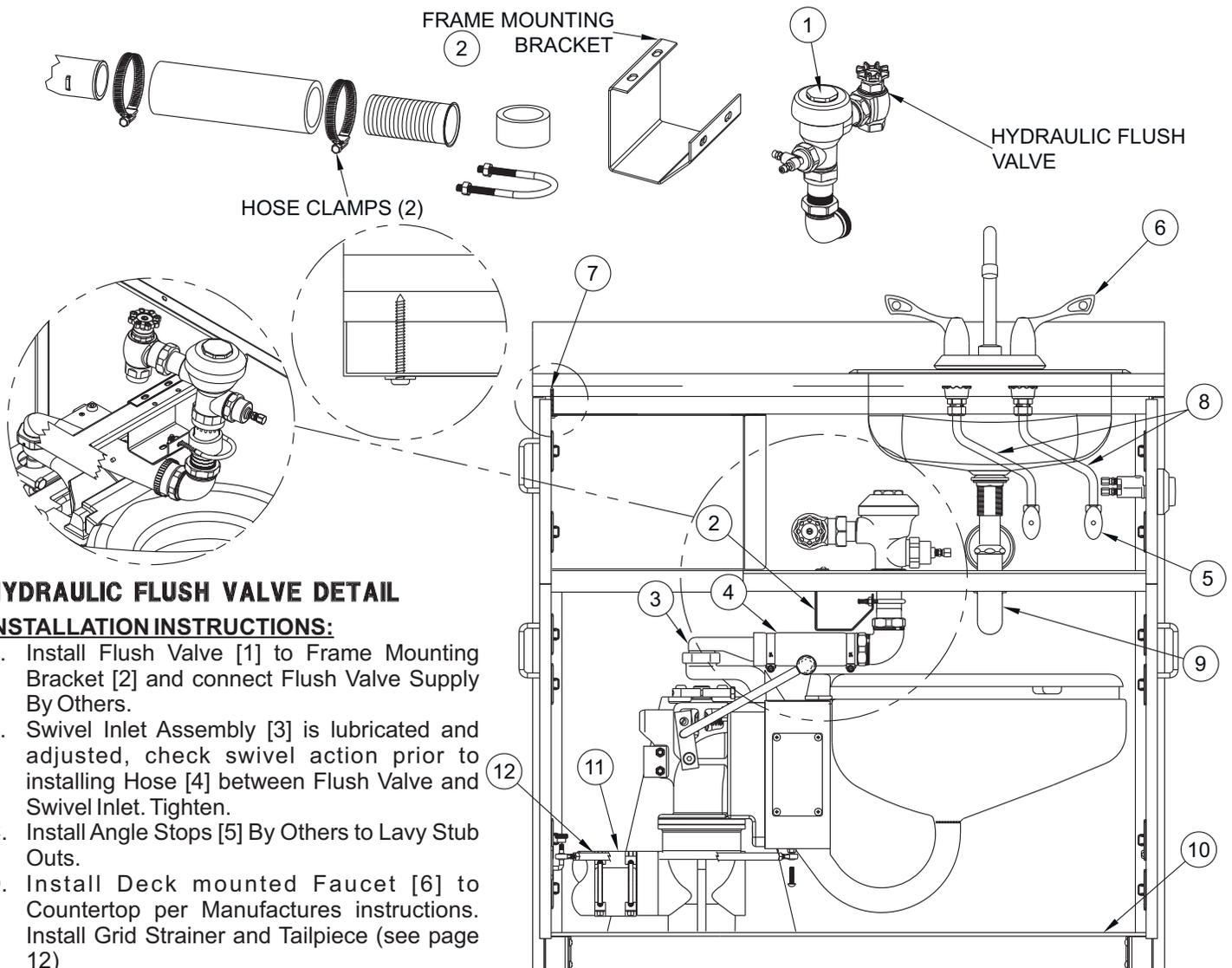
Floors and walls must be straight and plumb / square in order to prevent deformation of Cabinet and malfunction of Toilet assembly.

!IMPORTANT

- 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 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 and 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 12)
- 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].
- *Models with -VF Foot Pedal refer to -VF Installation page 10.
- G. Install Lavatory Waste Assembly [9].
- H. Re-install Flooring [10] Caulk gap between Toilet Pedestal and Cabinet with white Silicon. **DO NOT USE SELF-LEVELING CAULK.**
- I. If Toilet Waste is Side Wall Outlet model connect Waste Outlet with Clamp Type [11] Coupling. Install upper and lower Side Panels.
- J. Install Toilet Door Linkage [12] and adjust. Door must fully close before Toilet Bowl hits back Wall.

HYDRAULIC FLUSH VALVE

PUSH BUTTON



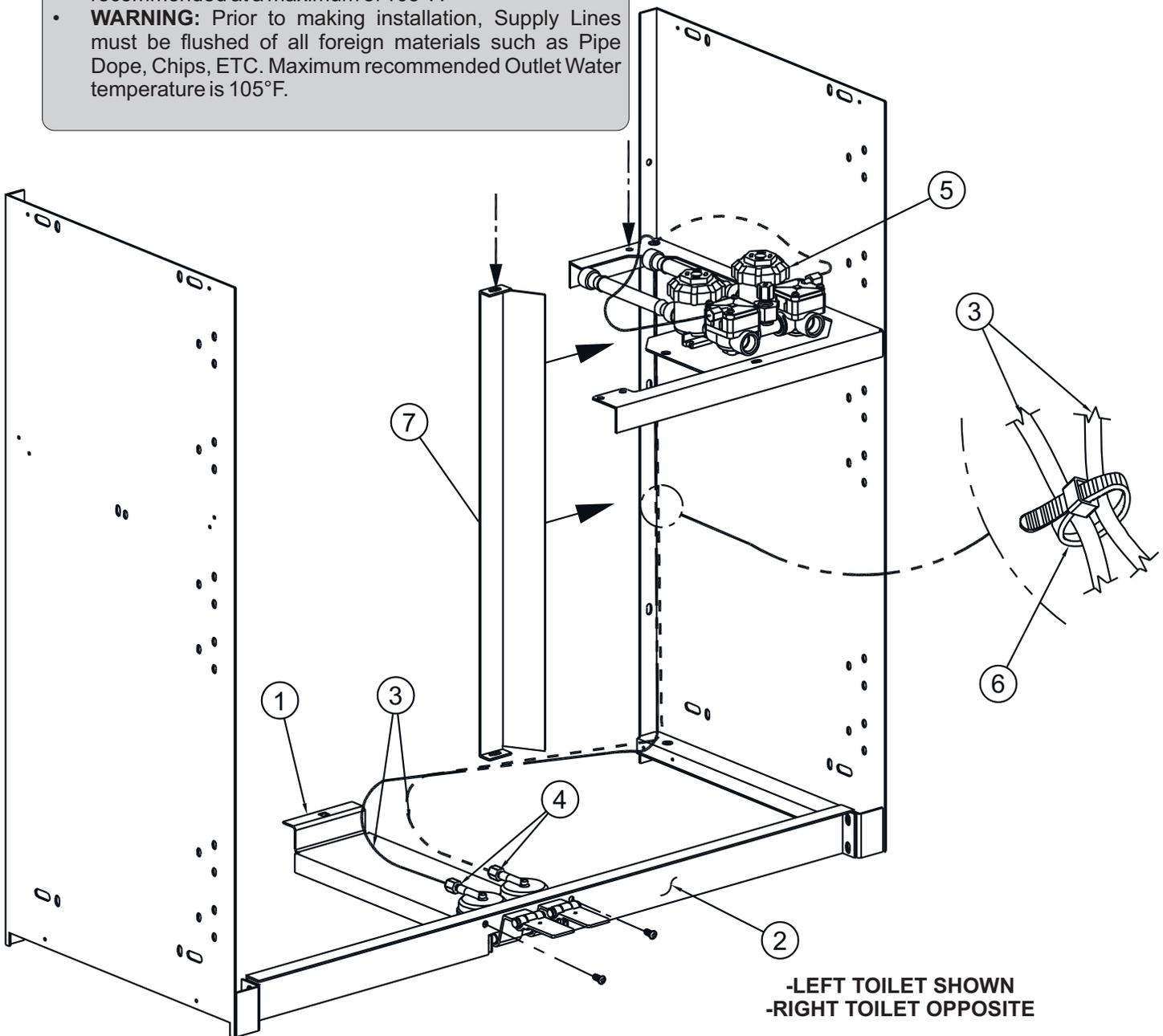
- For Optional Flush Cycle Interruption -FCI refer to Optional Flush Cycle Interruption manual.
- Follow Manufacture's installation procedures for your Flush Valve.
- Do not cut length of Tubing provided.
- Do not tape or fix Tubing in a stationary position.
- Flush Valve Lines and Push-in Fittings will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



OPTIONAL -VF FOOT VALVE INSTALLATION

! IMPORTANT

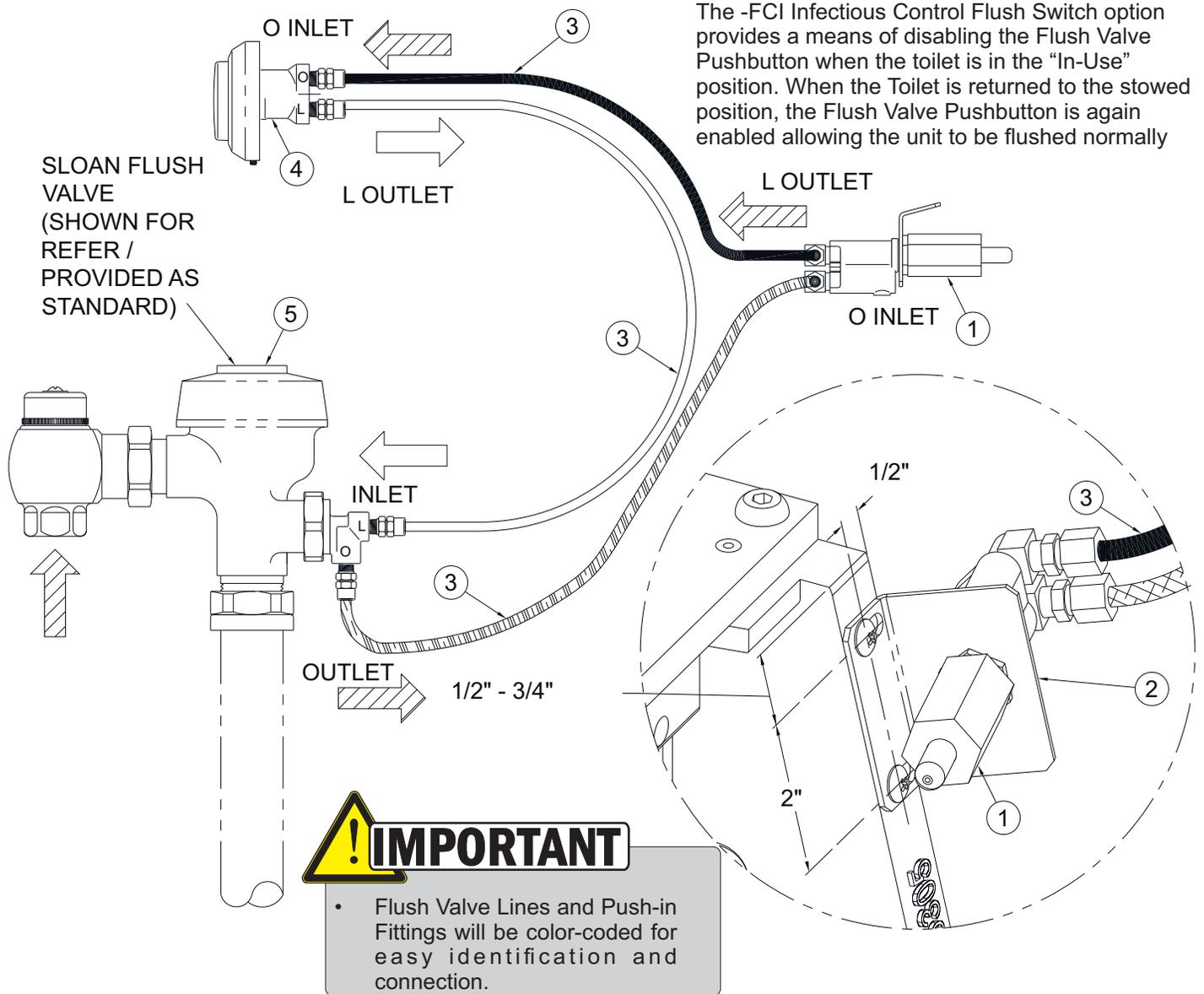
- Maximum recommended working pressure is 100 PSI; Temperature is 130°F; Outlet Temperature is recommended at a maximum of 105°F.
- **WARNING:** Prior to making installation, Supply Lines must be flushed of all foreign materials such as Pipe Dope, Chips, ETC. Maximum recommended Outlet Water temperature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



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 Tailpiece assembly as shown as well as Faucet, see Optional Faucet Installation instructions, link below.

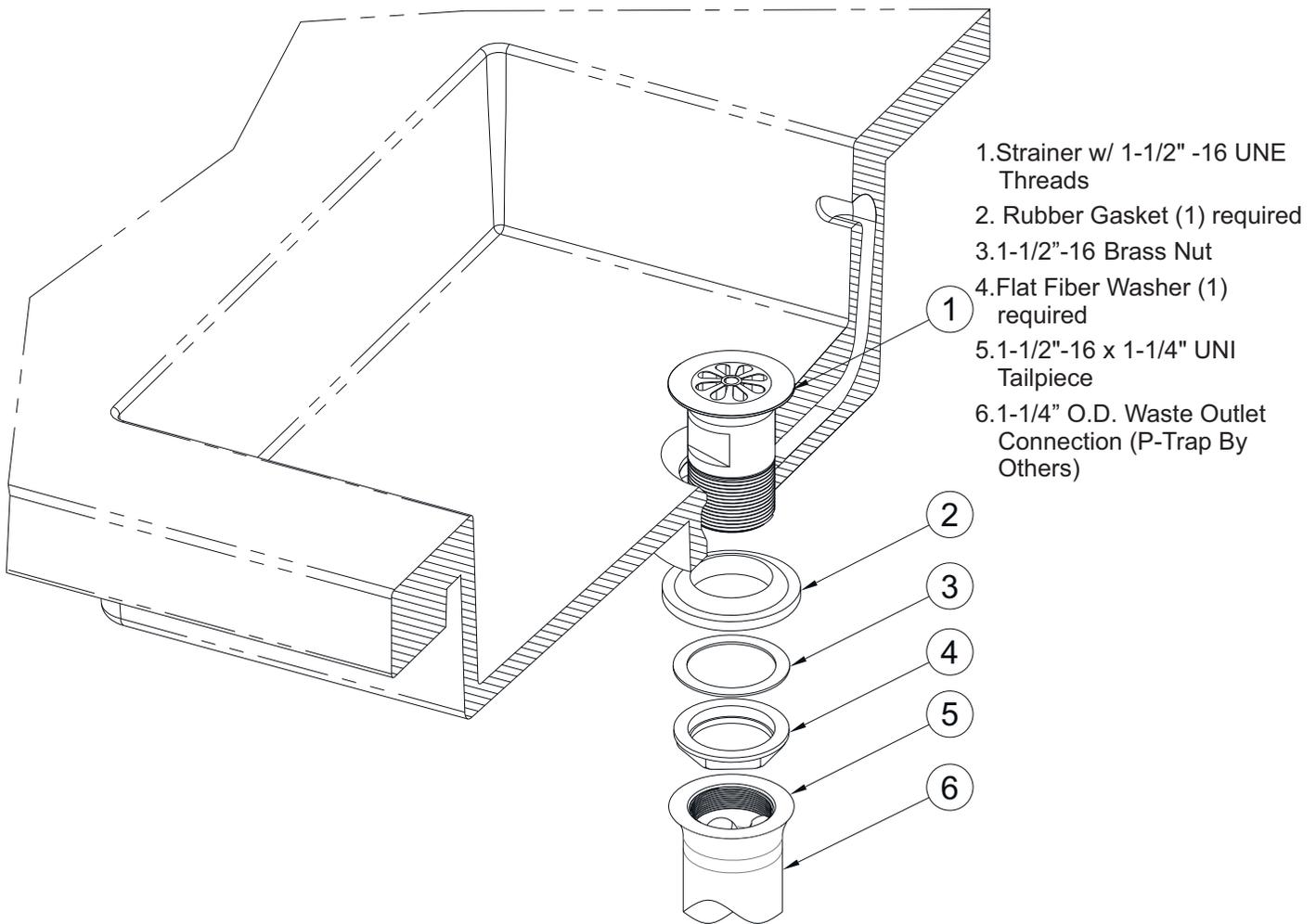
<https://www.whitehallmfg.com/uploads/fileLibrary/6900-208-001%20BestCare%20Faucets.pdf>

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.



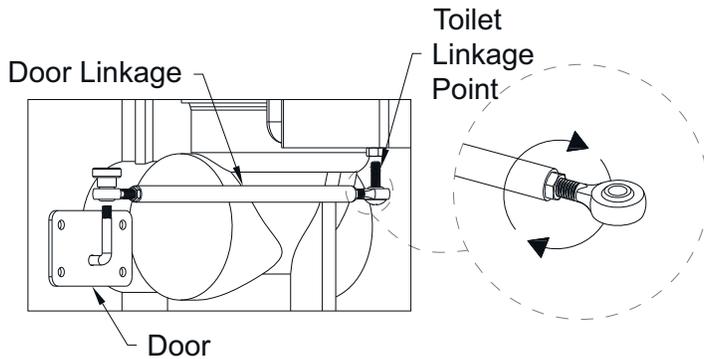
- 1. Strainer w/ 1-1/2" -16 UNE Threads
- 2. Rubber Gasket (1) required
- 3. 1-1/2"-16 Brass Nut
- 4. Flat Fiber Washer (1) required
- 5. 1-1/2"-16 x 1-1/4" UNI Tailpiece
- 6. 1-1/4" O.D. Waste Outlet Connection (P-Trap By Others)

 **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.



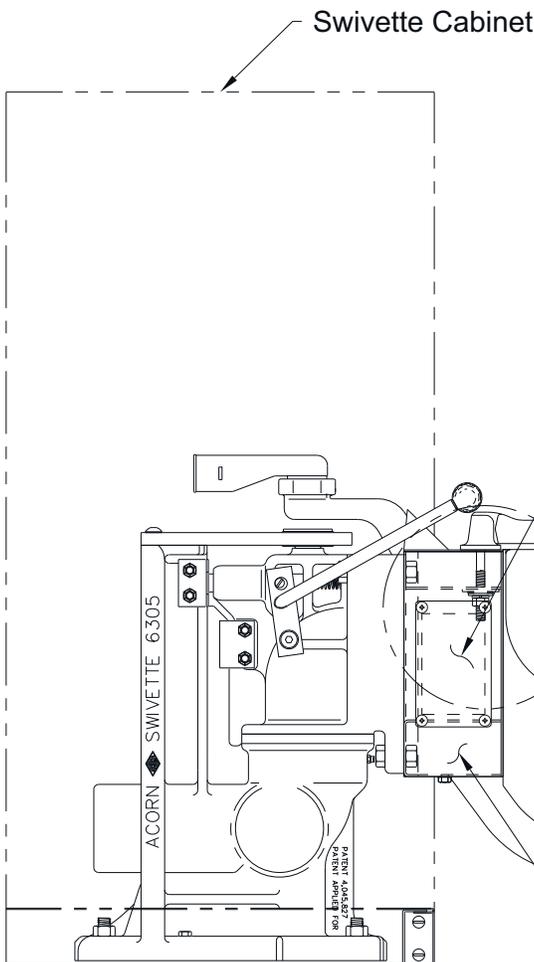
ADJUST DOOR LINKAGE



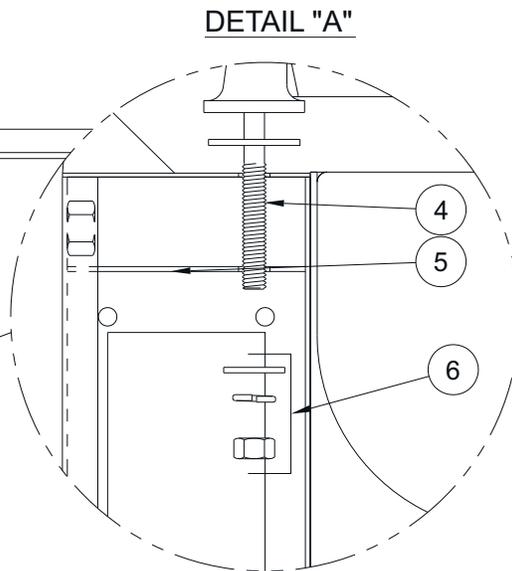
ADJUSTING DOOR LINKAGE:

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]