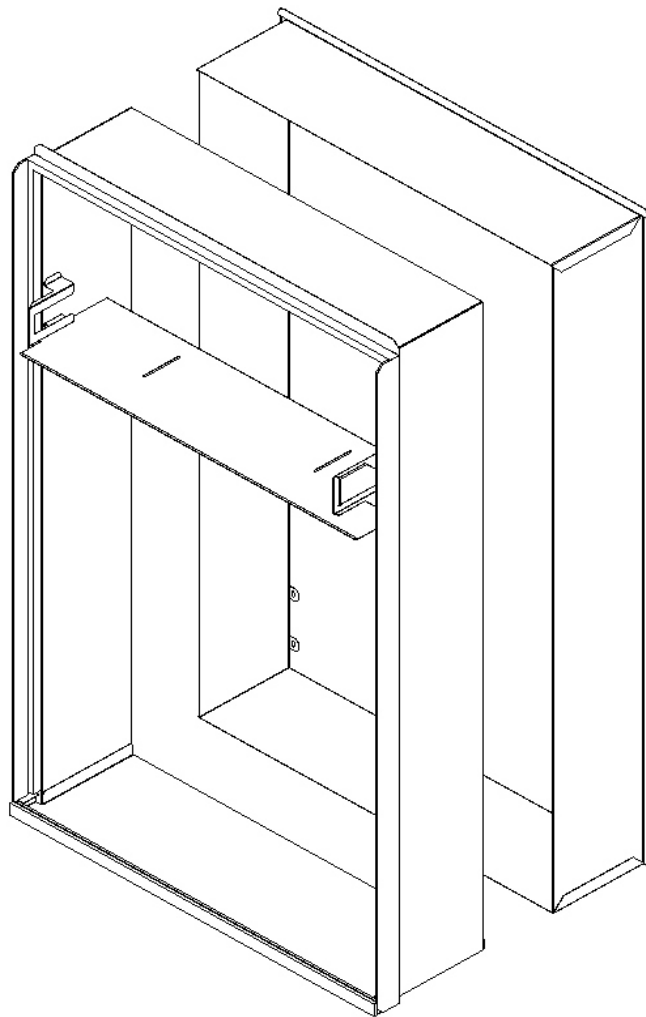




FRIEDRICH

VRPXWPC-8
VRPXWPC-14

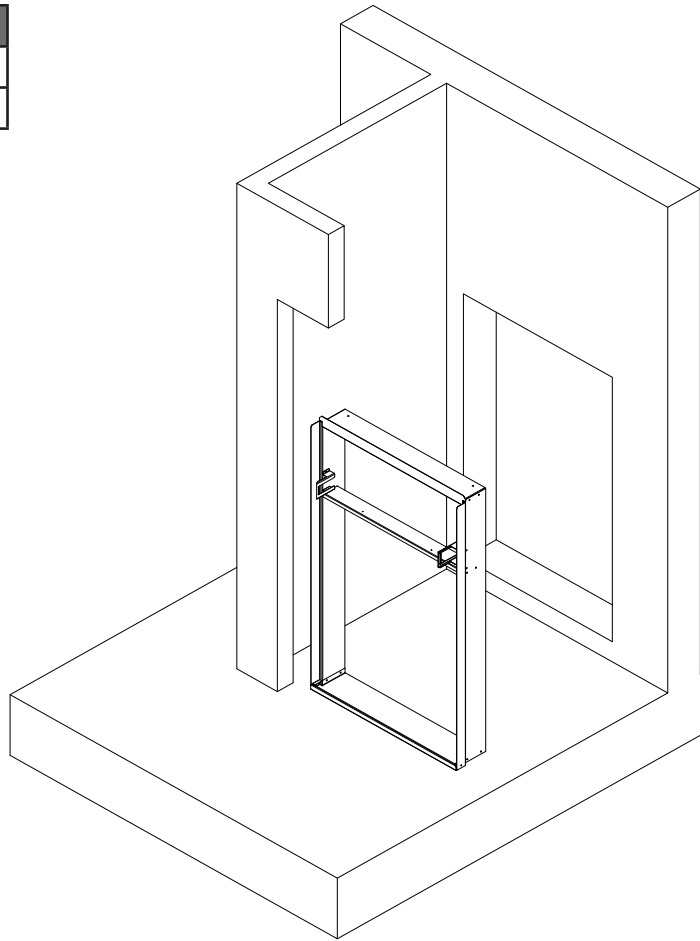


Exterior Wall Opening Dimensions

Exterior Wall Rough Opening Dimensions

Unit	Width	Height
[VRPXWPC-*)	33"	52 1/4"

NOTE: The distance between the rough opening and the finished floor/platform must be 2-7/8".



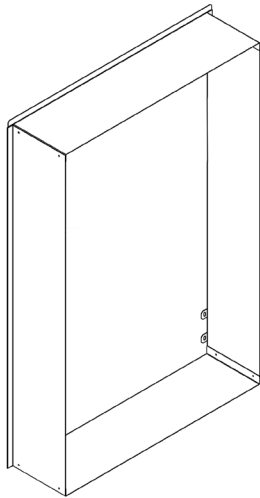
Wall Plenum Installation

Parts included in Plenum kit:

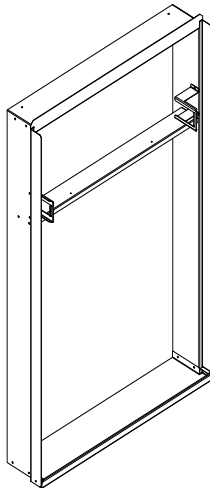
Outside Plenum (Part A)
Inside Plenum (Part B)

Divider (Part C)
Baffle (Part D)

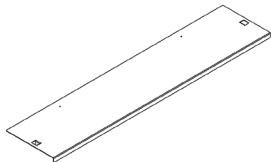
Outside Plenum
(Part A)



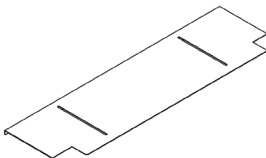
Inside Plenum
(Part B)



Divider
(Part C)



Baffle
(Part D)



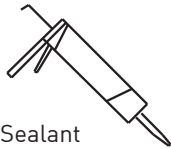
Field Supplied Parts:

Sealant, attachment screws, and flashing are field supplied. Silicone sealant is recommended.

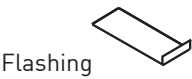
VRPXWPC-8 adjust for walls up to 4" - 8" thick.

VRPXWPC-14 adjust for walls up to 8" - 14" thick

All installations are similar.



Sealant



Flashing



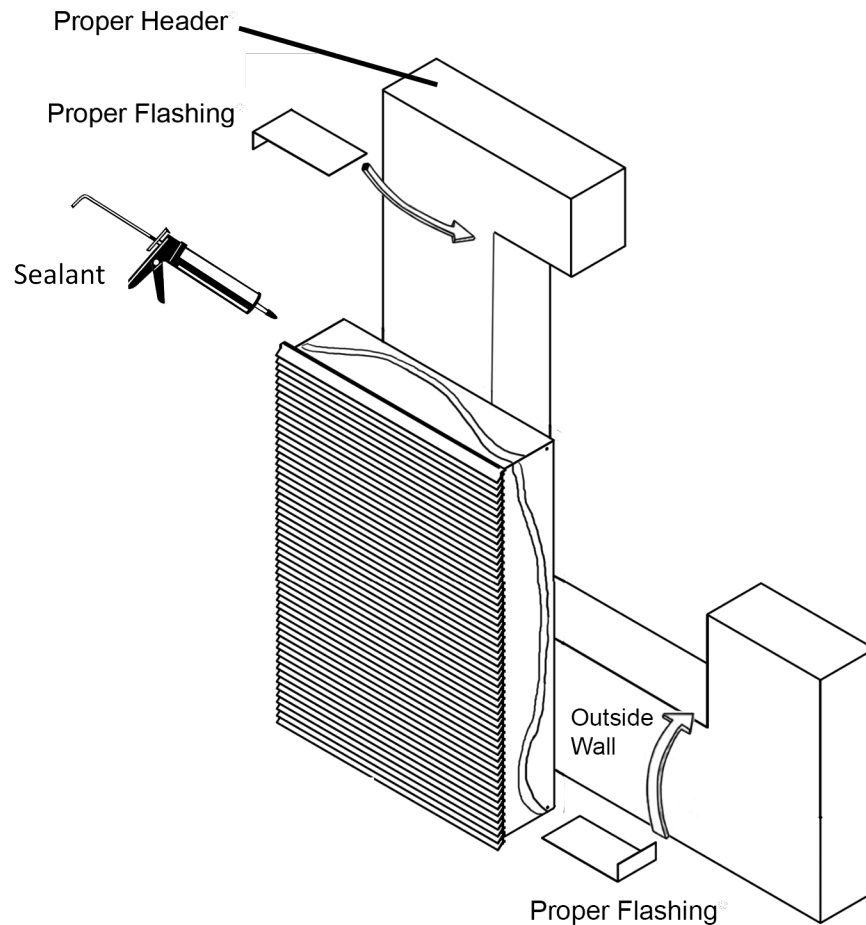
Shim



1"-3" Screws to attach the plenum assembly to the wall studs

Wall Plenum Installation

Step 1 - Outside Wall Plenum Half

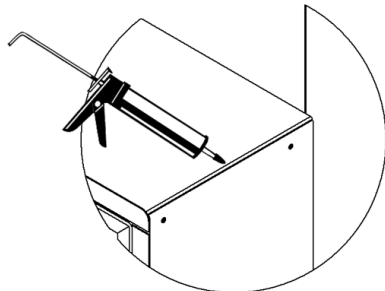


Note: The wall plenum is not designed to carry any structural load. A load bearing header must be built above the rough opening.

- 1) Prepare the rough opening. The rough opening should be lined with metal or wood. The plenum will warp if sealed against concrete or brick.
- 2) Dry fit the outside plenum half into the rough opening and check the fit and level.
- 3) Remove the outside plenum half, flash the rough opening to ensure proper fit and level.
- 4) Pre-installing the exterior louver (VRPXALC) as shown above is optional (See Page 8).
- 5) Apply sealant to the outside plenum half and insert into the rough opening to ensure a water-tight seal. Ensure that the outside plenum half is securely attached to the framed opening.
- 6) Place the plenum divider (Part C) on the appropriate divider mounting tabs located on the inner perimeter of the outside plenum half.

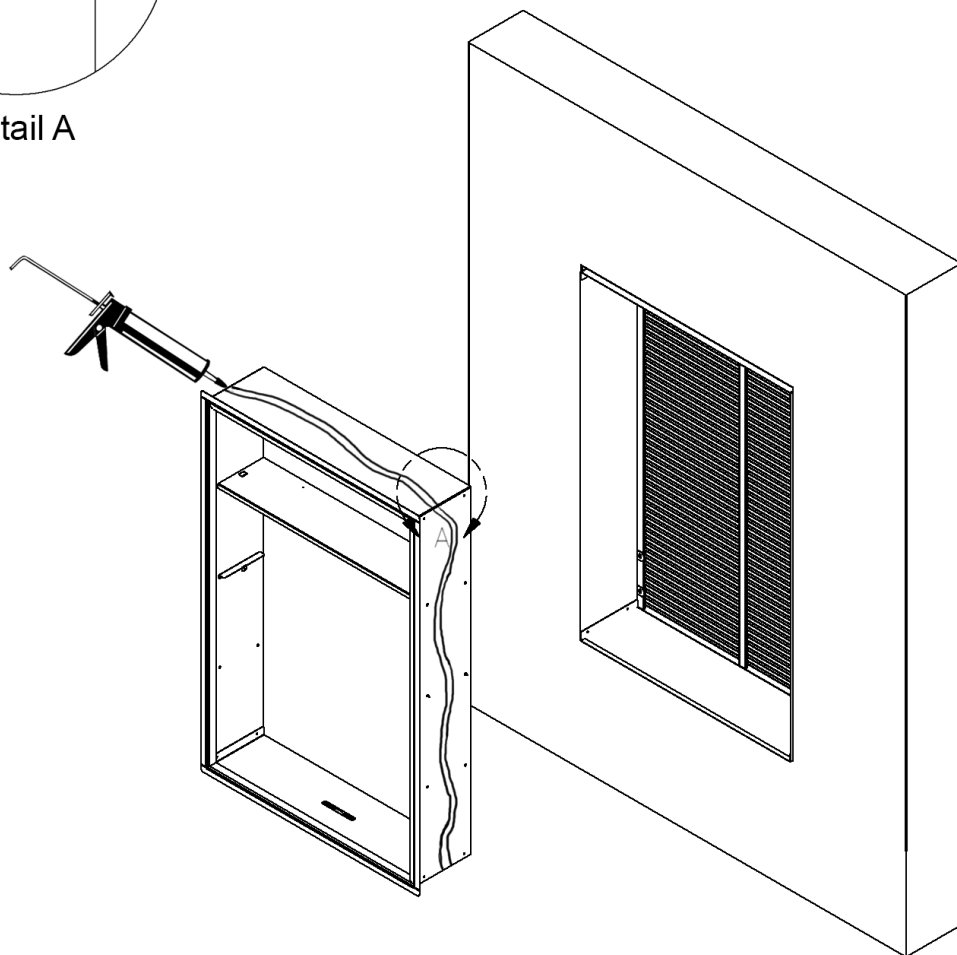
Wall Plenum Installation

Step 2 - Inside Wall Plenum Half



Detail A

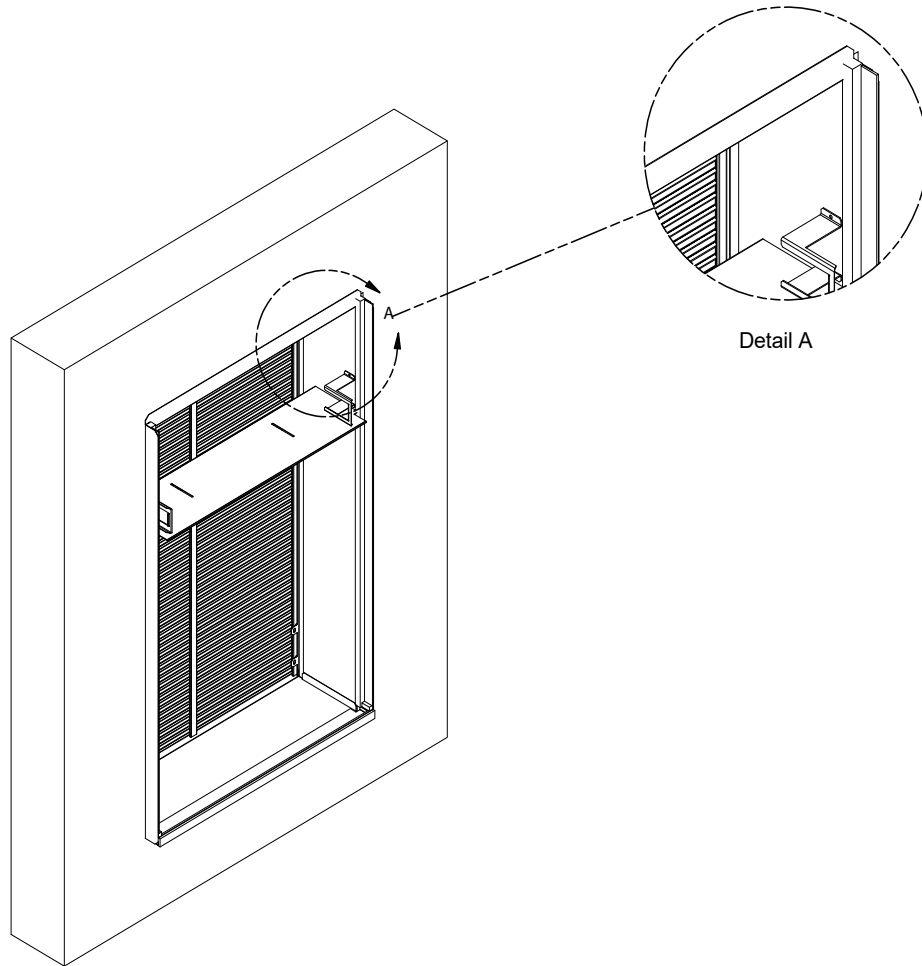
Apply Sealant to all 4 flange corners and unused holes.



- 1) Apply sealant to all 4 flange corners and unused holes. See Detail A.
- 2) Place the baffle (Part D) on the appropriate baffle mounting tabs located on the inner perimeter of the inside plenum half based on unit size (Compact/Standard).
- 3) Flash the inside of the rough opening to ensure the proper fit and level.
- 4) Insert inside plenum half (Part B) into Outside Plenum Half (Part A). Ensure that Part A does not back out of the rough opening.
- 5) Remove the inside plenum half.
- 6) Apply sealant to the outside plenum half and insert into the rough opening to ensure a water-tight seal.

Wall Plenum Installation

Step 3 - Inside Wall Plenum (cont.)

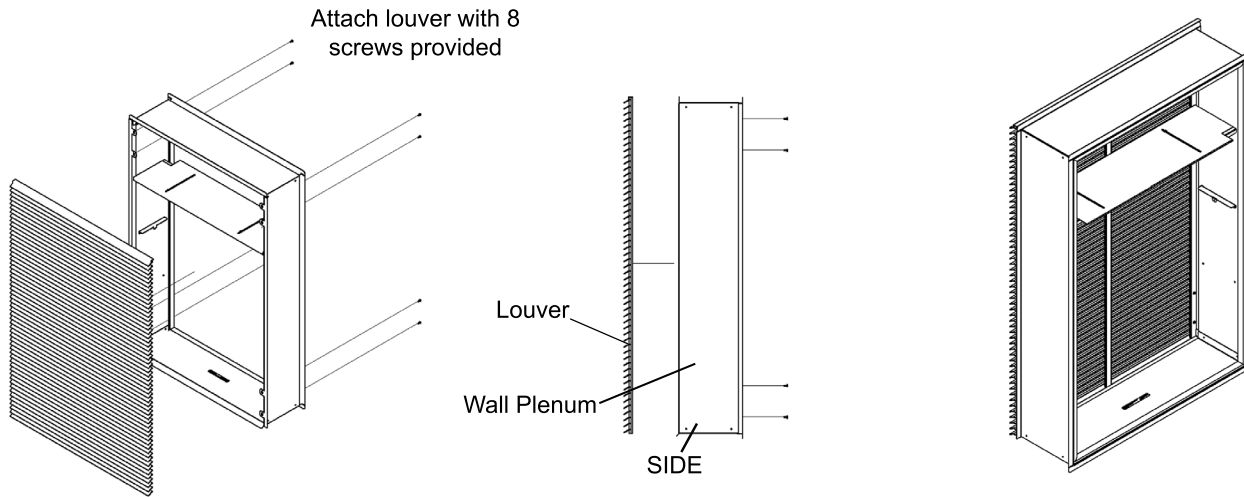


Note: Do not place any screws, fasteners, or penetrating holes through the top or bottom of the plenum assembly.

- 1) Drill pilot holes on the interior of the inside plenum half (Part B) as show in Detail B. Pilot holes should be located approxiamtely 4" from the top and bottom of the inside plenum half, on both the left and right sides.
- 2) Install fasteners through each pilot hole. Fastener must pass through both Part A and Part B. If the inside and outside plenum halves do not overlap at fastening point, be certain to drill extra holes where needed to secure both Part A and Part B to the rough opening.

Louver Installation

Installation of the louver PRIOR to Wall Plenum Installation



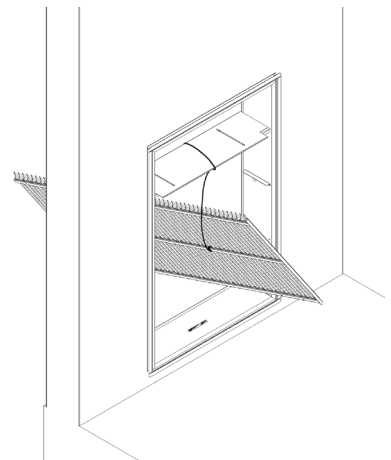
NOTE: Louvers & Drip Ledge orientation is down

- 1) Hold the louver up to the outside plenum half (Part A) and line up the louver top with the very top edge of the $\frac{3}{4}$ " flange.
- 2) Line up the wall plenum holes with the threaded holes in the louver and securely tighten fasteners.

Installation of the louver AFTER the installation of wall plenum on elevated floors

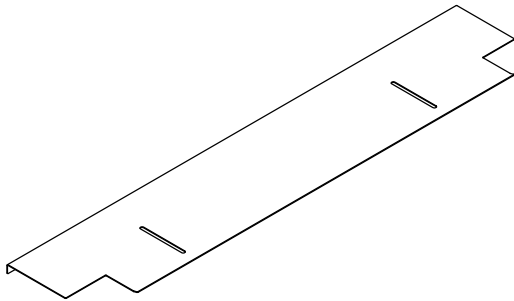
From the interior of the utility closet:

- 1) Tie a rope or tether to the architectural louver and the divider in the wall plenum to prevent it from falling if dropped.
- 3) Turn the louver sideways and push the louver out below the divider in the wall plenum.
- 4) Pull the louver back against the wall plenum and align the holes.
- 5) Insert and tighten all eight provided fasteners. When the louver is secured, remove the safety tether.

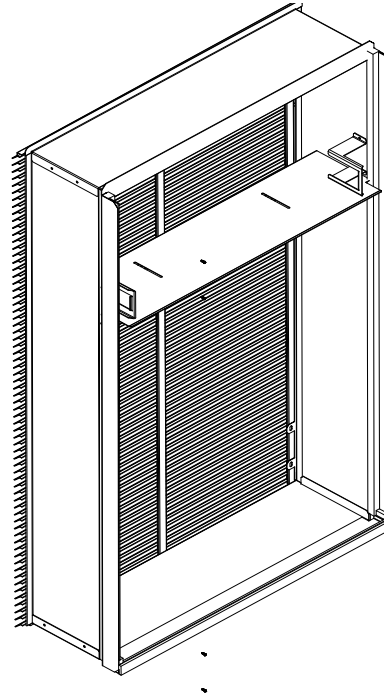


Final Wall Plenum and Architectural Louver Installation

Plenum Divider Extension Plate (Baffle)



Plenum Divider Extension Plate Installed into Full Plenum Assembly



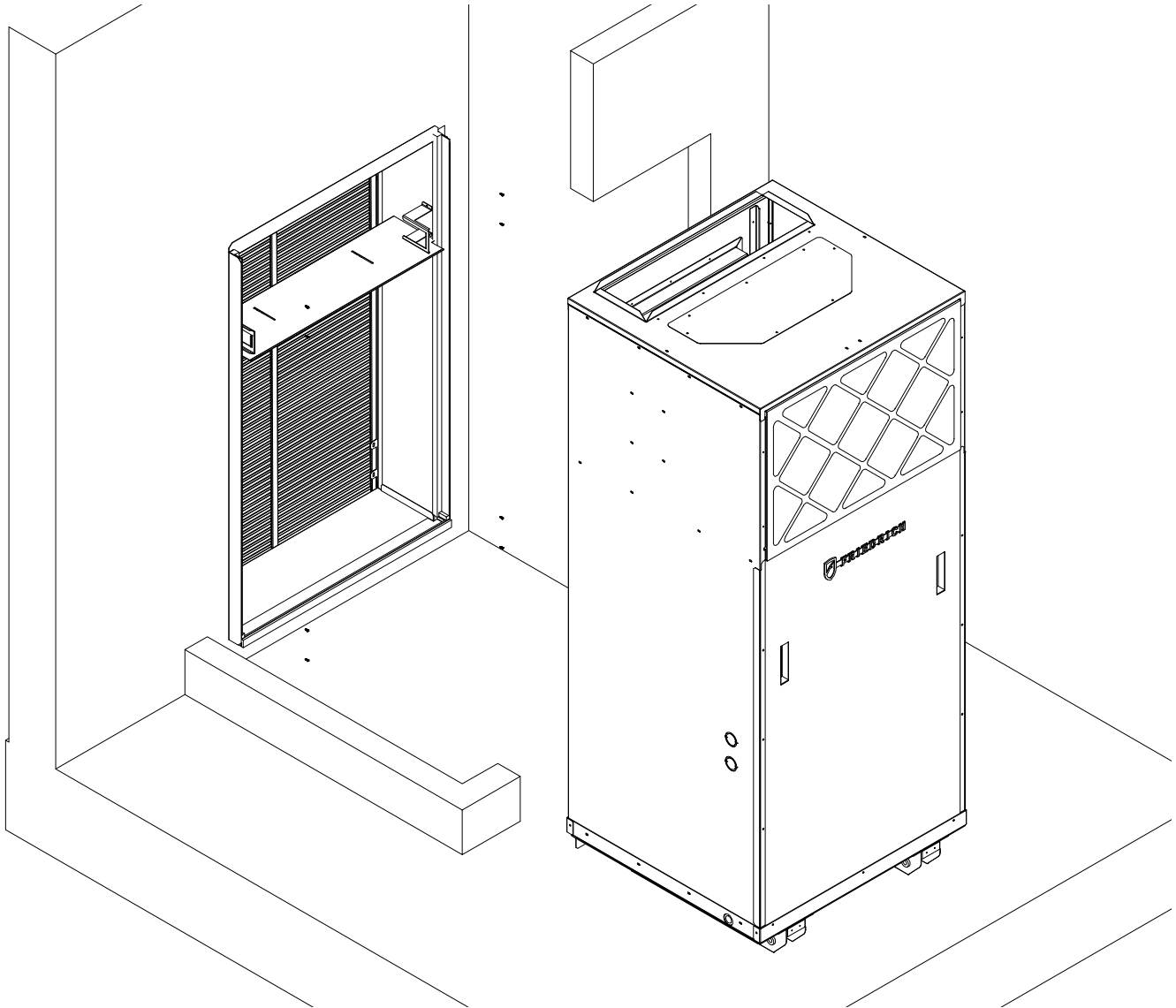
Ensure that the weather strip is undamaged and provides a continuous seal around the inner perimeter of the plenum.

Apply silicone grease or other non-petroleum-based lubricants to the weather strip to enhance the sealing capability of the weather strip and ease installation of the air conditioner chassis.

- 1) Install the plenum adjuster plate. Ensure the exterior edge is seated against the inside of the architectural louver.
- 2) Secure the plenum divider extension plate to the architectural louver using the two provided screws.
- 3) Use tape and sealant to seal any gaps.

Unit Installation

Unit Placement Prior to Installation (Front-Install Configuration)



All louver, plenum, rough plumbing, and rough wiring steps must be complete prior to final installation of the air conditioning chassis.

