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I. Care and Maintenance

This product is factory finished. Please handle with extreme care. Protect all exposed surfaces from contact with caustics, corrosives, solvents, abrasions, impacts, wet packing material etc.

FAILURE TO DO SO WILL NULLIFY THE WARRANTY. Before **ANY CLEANING**, review the Care & Maintenance Instructions (go to www.fleetwoodusa.com for more information).

Contact the local dealer with any questions or concerns. Fleetwood strongly recommends that all products be cleaned after installation and totally protected from construction debris and equipment.

II. Tools / Materials, Sealant Requirements, & Anchor Instructions

Tools Required: Tape measure, Level, Shims, Nails, Screws, Sealant, caulk gun, Backer Rod, Scissors or utility knife, hex keys, drill bit, drive bit and powered drill.

Sealant Requirements

- The sealant referred to within this document for seals associated with the assembly of the product should conform to **AAMA 800-16**. It is recommended that all other sealants should also conform to **AAMA 802-16** but may be a sealant recommended and approved by the sealant manufacturer that is compatible with the framing, finish and surrounding materials.
- The size of all sealant beads must meet or exceed the sealant manufacturers' minimum size requirements.
- Some exterior wall finishes require additional sealing between the perimeter of the frame and adjacent finish wall material. The Owner / General Contractor is responsible for identifying the need for any additional sealant which will be applied by others. Such sealant shall be elastomeric material, with the framing, finish and surrounding materials.

Anchor Instructions

Note: Structural engineer to determine anchor spacing for design load capacity or design pressures.

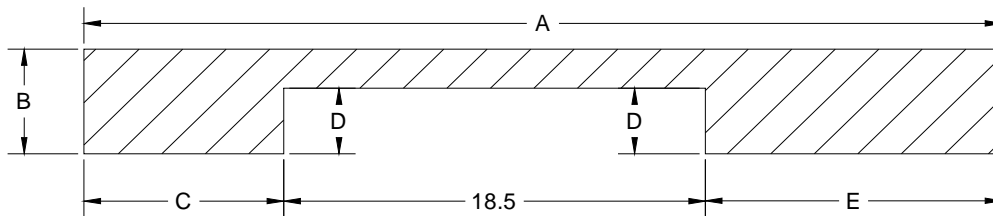
Frame may be either direct mounted to the opening, mounted onto a continuous wood spacer, anchored to a min. 18 ga. 33 ksi metal stud or anchored to a min. 2x4 no. 3 southern pine wood buck. When anchored to a 2x_ buck or metal stud, no. 10 screws shall be used. When direct mounted or mounted with spacer to block/concrete, 3/16" concrete screws shall be used. See "Recommend anchor table" for embed requirements. Proper material shall be used between all dissimilar materials (i.e. block/concrete & aluminum).

III. Sub-Sillpan opening verification (skip if no Sub-Sillpan)

Table 1: Sub-Sillpan Framing Dimensions

A	B		C	D		E
N.F.W. + 1.00"	3.625"	6.625" Sillpan Tabs	Pivot Location -0.75"	2.313"	2.75" Sillpan Tabs	A - (C+18.5")

For additional dimensions see Appendix A.



OR

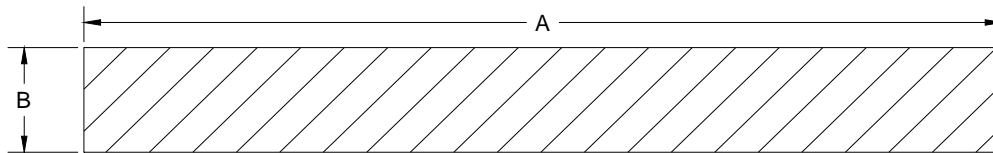
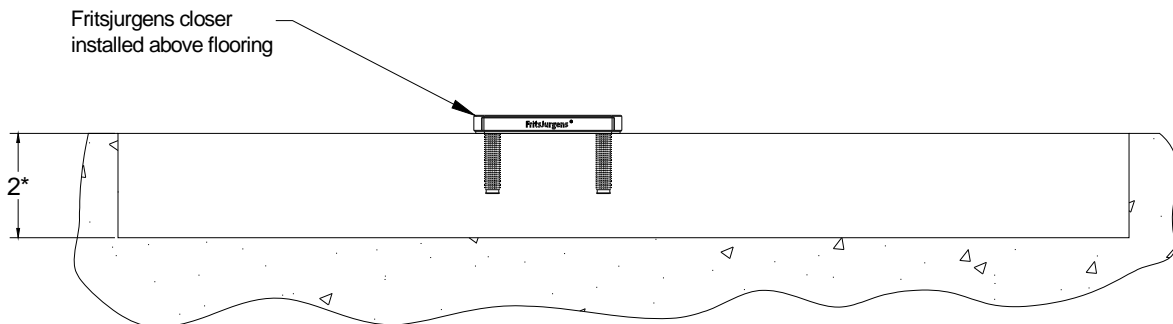


Figure 1:
Sub-Sillpan Framing (Top View)



* Minimum depth required for Sub-Sillpan. Additional depth may be required for drainage setup. Side drains sit $\frac{3}{16}$ " below bottom of sillpan.

Figure 2:
Fritsjurgens Sub-Sillpan Opening

IV. Frame Assembly

Note: Failure to assemble the frame according to the installation instructions, nullifies warranties related to this product.

- Prior to Frame assembly the decision must be made to include door stops on the door.
- Slide door stops into the head and jambs according to the orientation of the door.
- Using a clamp hold the door stops to the frame element and drill from the backside of the frame into the first wall of the door stop. Attach with #6 PHP Screw, 1.25".
- Apply a compatible sealant to the corners of the frame. Assemble the frame with screws provided (Figure 3).

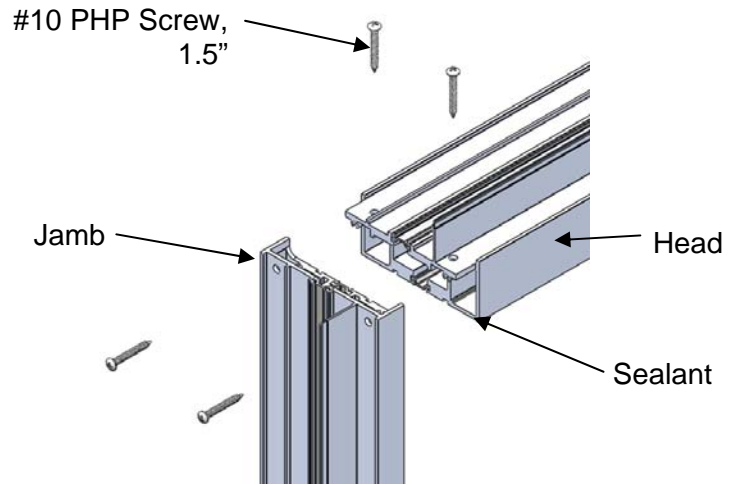


Figure 3:
Frame Assembly

V. Opening, Frame and Panel Verification

1. Check the measurement of the rough opening and verify that the door frame and sub-sillpan will fit into the opening. Measure all four sides of the opening to make sure it is 1/2" larger than the doors in width and 1/4" in height.
2. Remove the frame(s) from the packaging and lay it in front of the opening. Check door net frame width and height dimensions.
3. Verify the opening is plumb and level.
4. Verify location / dimension Sub-Sillpan opening (see Figure 6 & Table I).

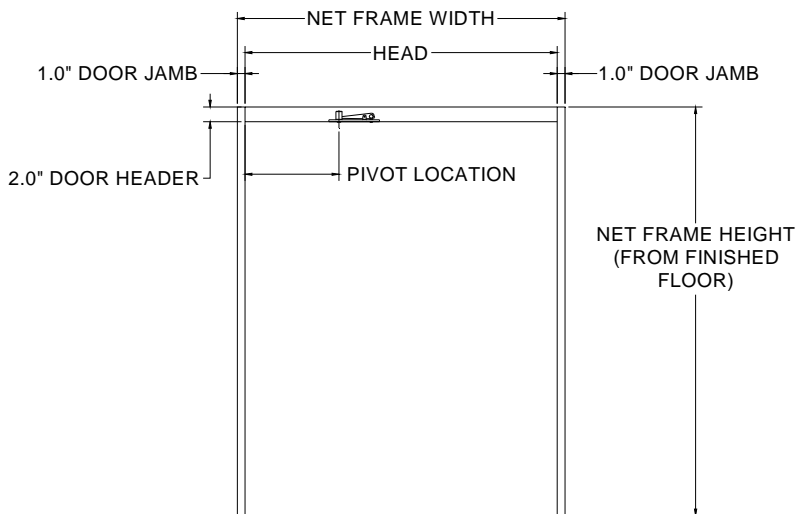


Figure 4:
Opening Verification

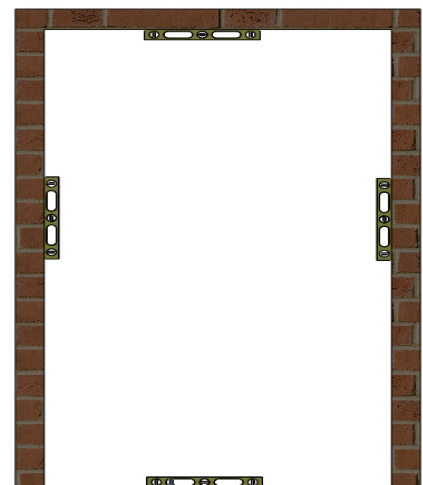


Figure 5:
Level Locations

VI. Frame Installation

1. Seal frame and vent joints completely with compatible sealant.
2. Insert the frame into the sub-sillpan. Cross-measure and adjust to achieve a plumb square and level condition. Shim where needed. Seal all fastener heads with compatible sealant.
3. Secure Top pivot to header with #10 screw min. 4" long (not by Fleetwood). See Figure 9 for illustration.

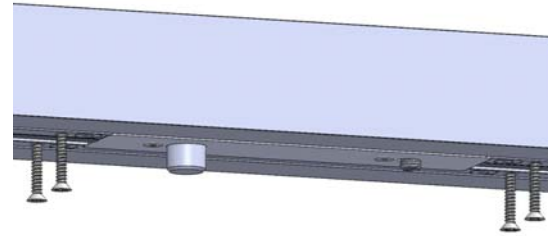


Figure 6:
Securing Top Pivot (Block Frame Shown)

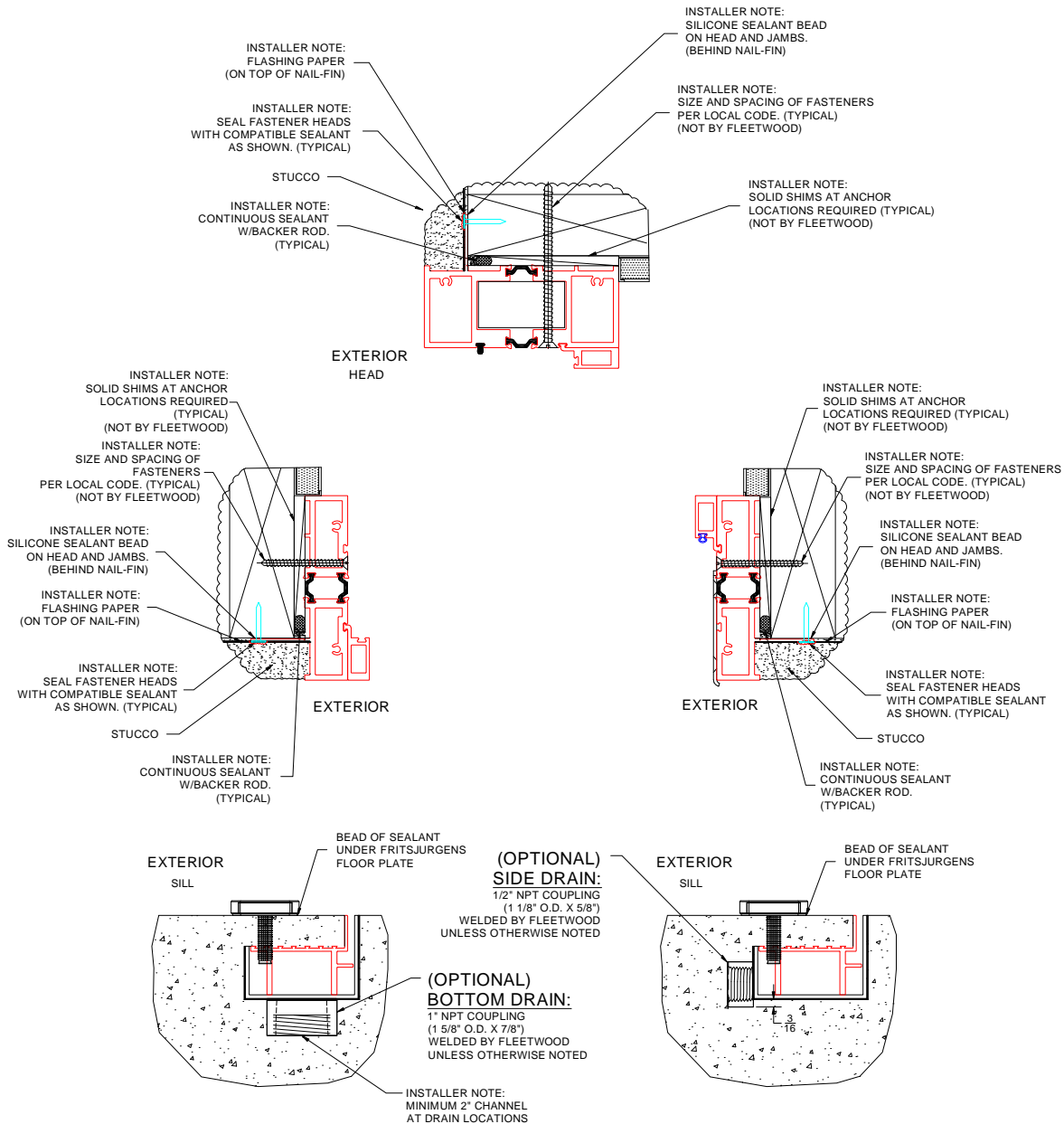


Figure 7:
Fritsjurgens Nail-fin frame installation

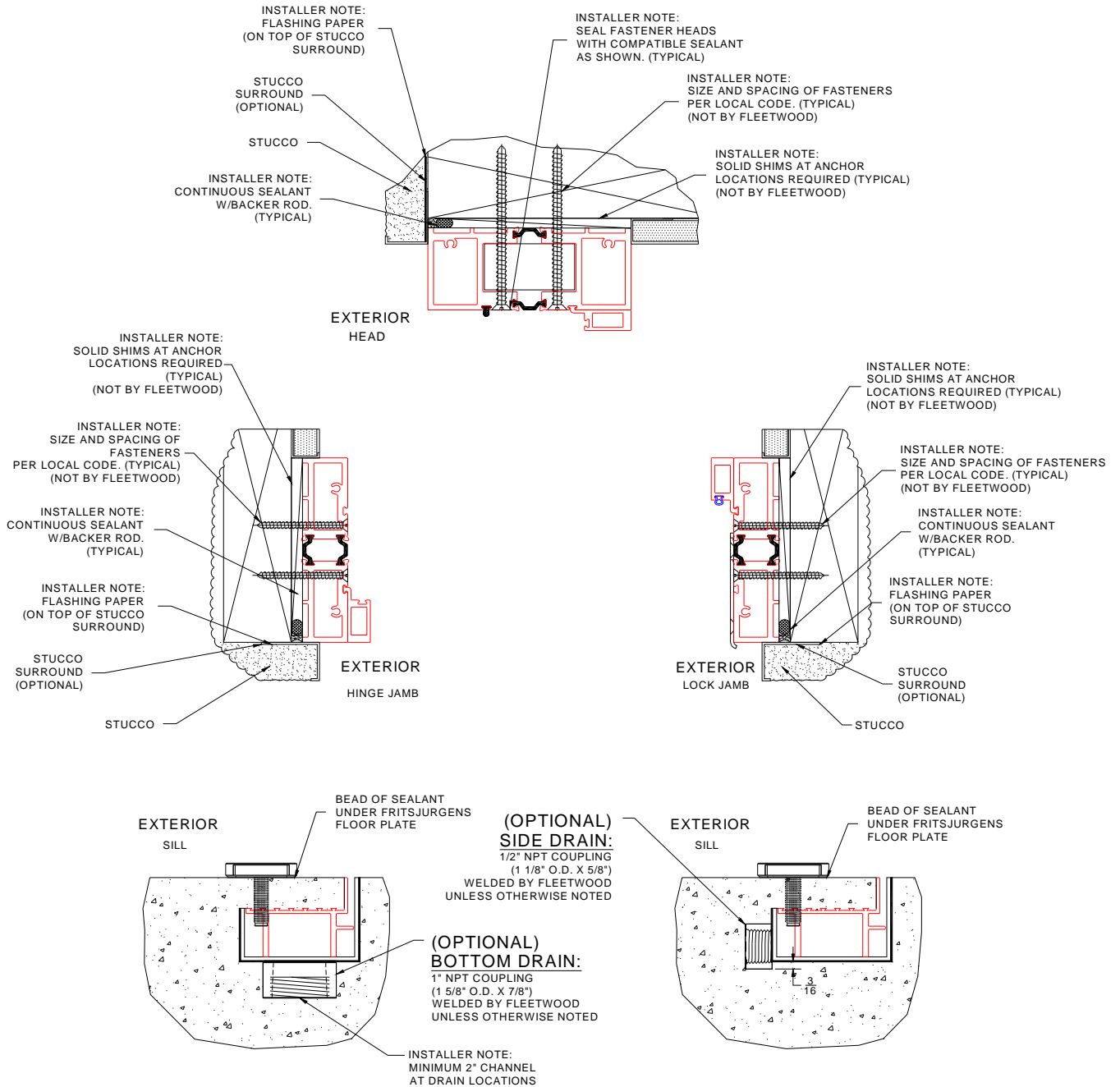


Figure 8:
Fritsjurgens Block Frame Installation

VII. Floor Closer Installation

Caution: Review flooring structural specifications prior to installation. When drilling into a wood substrate use a 19/64" drill bit, others use a 5/16" drill bit.

1. Use a plumb line to center top pivot pin with floor plate location (Figure 9).

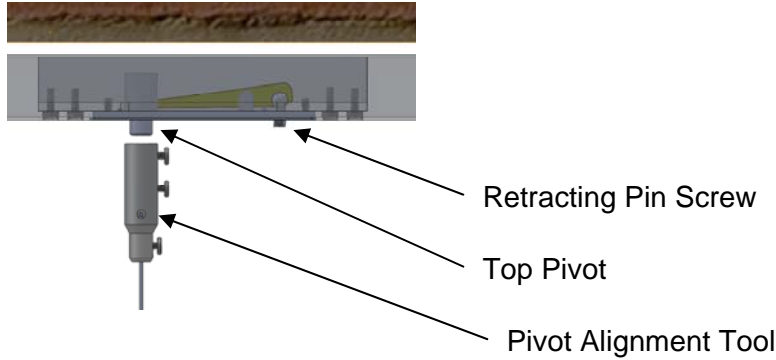
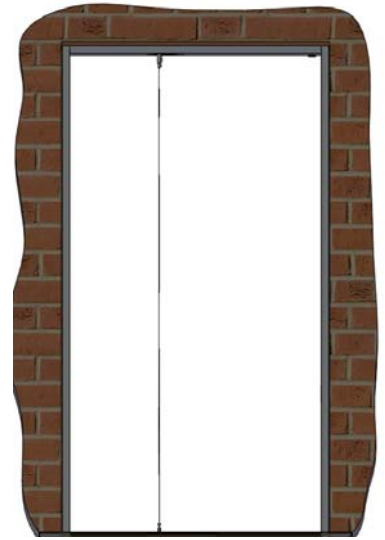


Figure 9:
In-line Verification



2. Fritsjurgens floor plate to be mounted on top of finished floor.
3. The floor plate is to be 2" from the back of the jamb and level (Figure 10).
4. Use a plumb line and the provided template to center the top pivot with the floor plate. Mark the holes locations of the floor plate with a pencil (Figure 11).
5. Remove template and drill down 1.25". Clean away the excess debris.
6. The sealant provided has a 6 month shelf life. **DO NOT OPEN** until ready for floorplate installation. Apply the sealant into the holes drilled and the bottom of the floor plate (Figure 12).
7. Using a soft mallet, secure the floor plate into the drill holes. Allow 24 hours to cure.

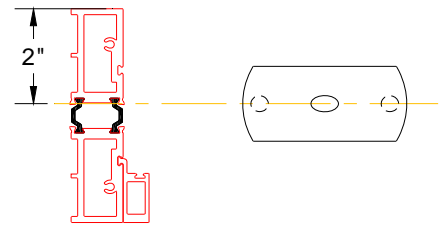


Figure 10:
Closer Positioning

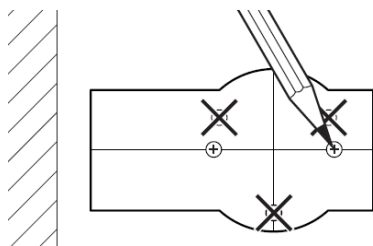


Figure 11:
Closer Positioning

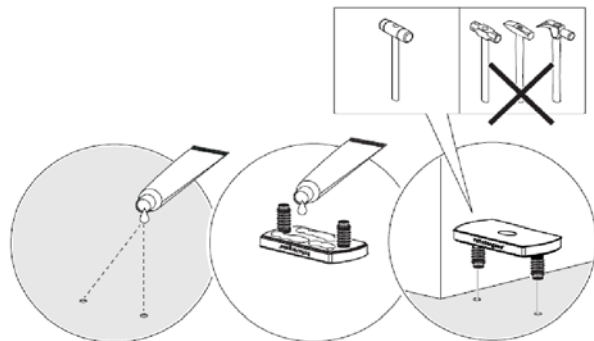
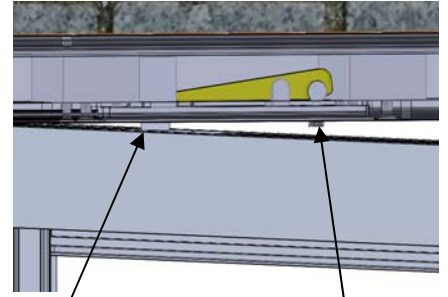


Figure 12:
Securing the Floor Plate

VIII. Panel Installation

Note: When installing Handle Pulls on Archetype Hardware please note important hardware locations in Appendix D.

1. Retract top pivot pin by turning retracting pin screw counterclockwise (Figure 13).
2. Ensure the closer is orientated correctly for installation with the Floor Plate (Figure 14). Remove floor closer from bottom rail and use floor plate to orientate correctly if closer has moved.
3. Place the panel perpendicular to the frame and lift into the opening.
4. Align panel closer with Floor plate and lower.
5. Align the two portions of top pivot and turn pin retracting screw clockwise (Figure 13).



Top Pivot Retracting Pin Screw

Figure 13:
Top Pivot Locking

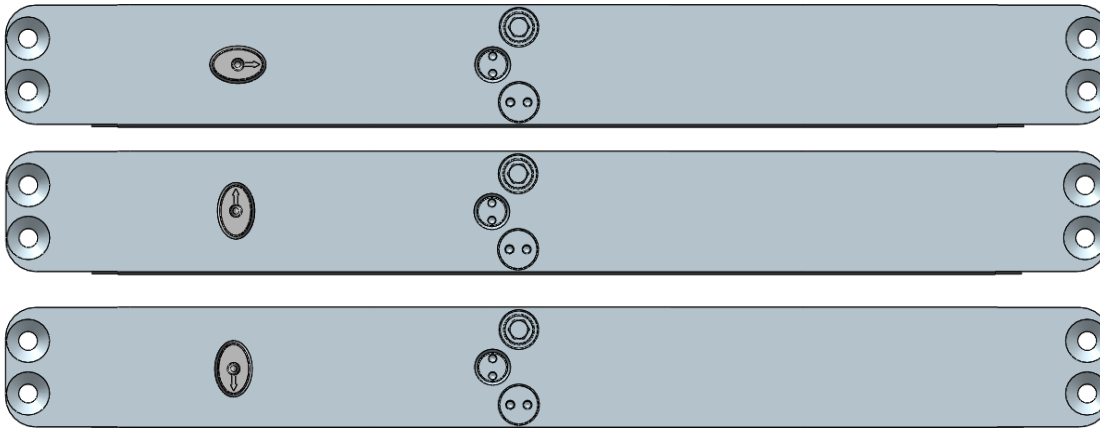


Figure 14:
Closer Orientation

6. To fine tune the radial position see Figure 15 using a 3mm hex key.

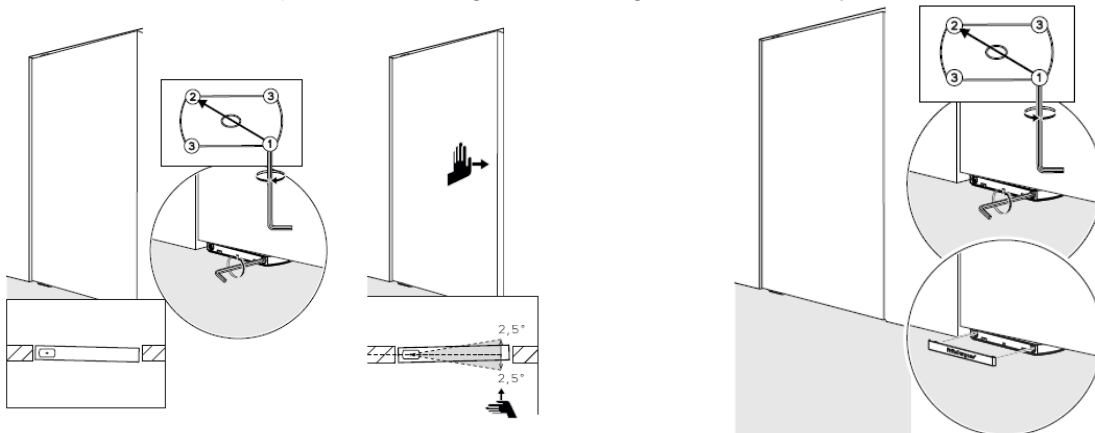


Figure 15:
Radial Adjustment

7. Adjust the bottom sweep pin (located on the pivot side) slowly until a seal is formed between the finished floor and panel when closed. Over adjustment will prevent the door from closing and damage the hardware.
8. The installer is responsible for the integrity of all framing joints after installation and must therefore water test all joints to guarantee a completely sealed product. Apply joint sealer and/or sealant necessary to ensure watertight joints. Retest as necessary.
9. To complete the installation, apply backer rod and a complete bed of sealant to the entire exterior and interior joint between the frame and the building structure. Tool the sealant to eliminate bubbles, voids and / or breaks and ensure a completely watertight seal (Figure 7,8).

IX. Glazing Instructions per Glass (Skip if panel is factory glazed).

1. Remove the precut glass stops from the frame, making sure to note the location from which each has been removed. Each stop is hand cut for a specific location of the frame and must be returned to the same location after glazing process.
2. Insert two setting blocks into the head / bottom at the quarter points (Figure 16).
3. Insert and stagger two setting blocks along both sides of the bottom pivot location. This is to support both lites and the dead load of the glass.
4. Insert glass three setting blocks per jamb. One at 2" from corner and one at center.
5. Before glazing, apply a continuous bead of sealant to the inner stops as shown in Figure 16.
6. Insert glass into panel.
7. Finish assembly by inserting the two horizontal glass stops then install the two vertical glass stops.

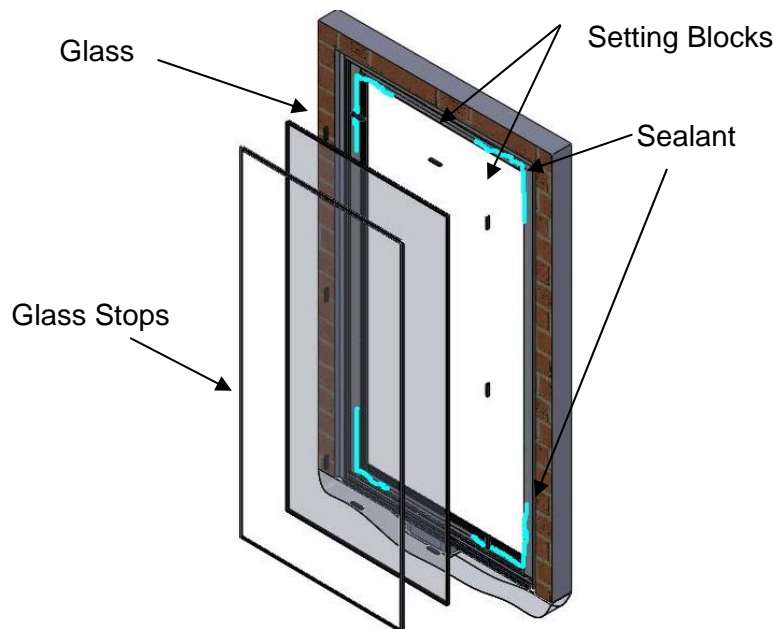
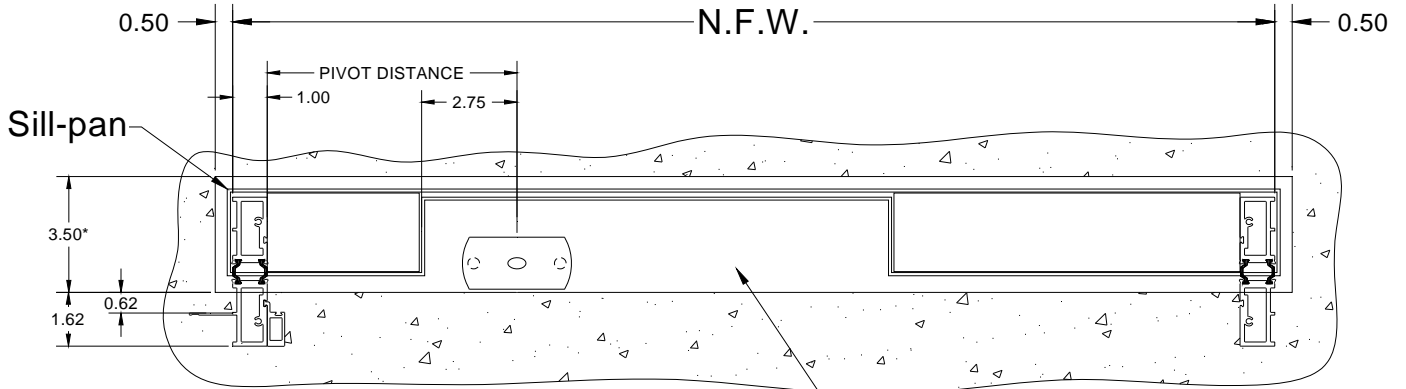


Figure 16:
Glazing Illustration

Appendix A: Sub-Sillpan Dimensional References



*For sub-sillpan tabs, add
 1.5" on interior and
 exterior pan spacing.

Floor Opening
 (back-fill by others)

Exterior

Figure A1:
 Fritsjurgens Sub-Sillpan Opening

Appendix B: Fritsjurgens Adjusting Closing Speed

FINETUNING THE
 CLOSING SPEED

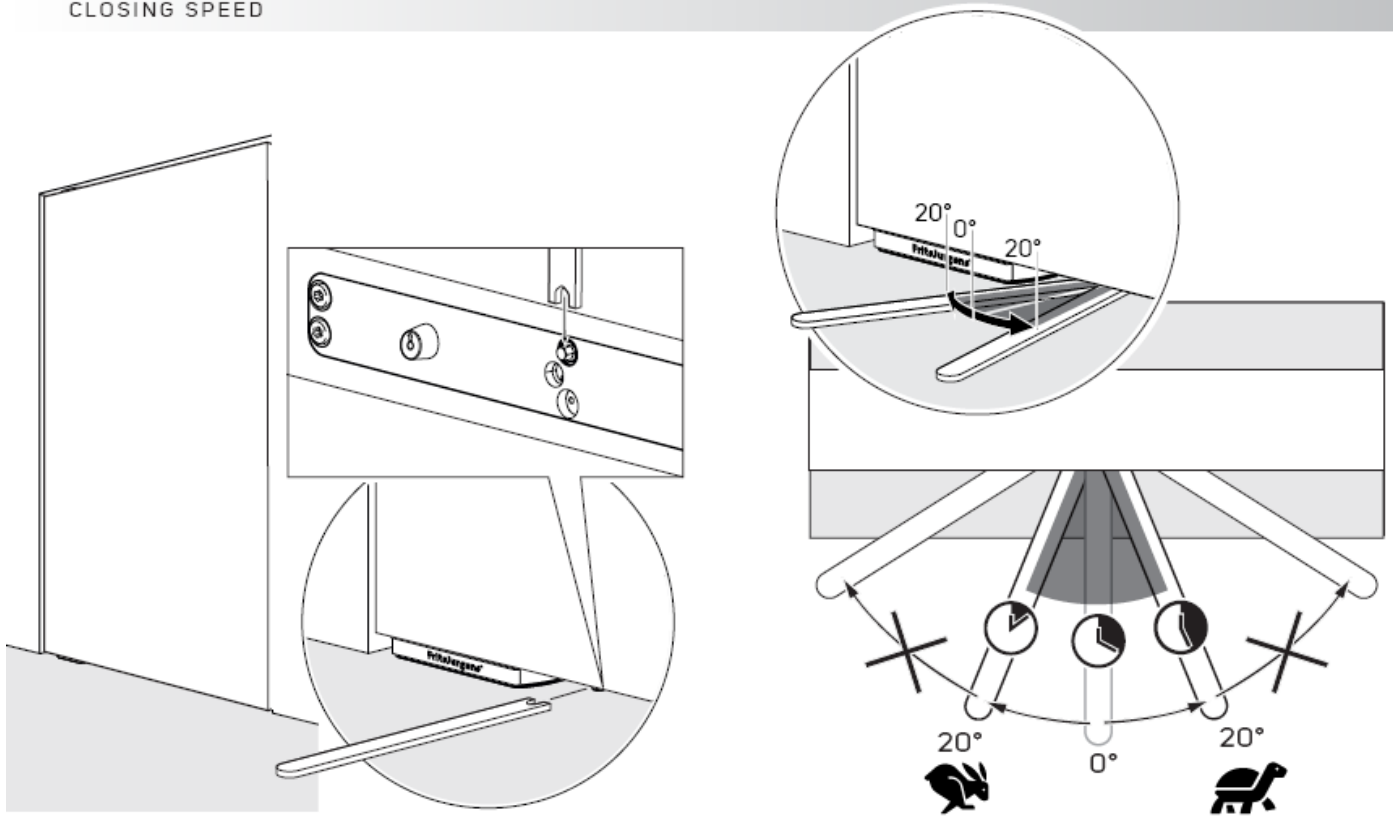


Figure B1:
 Fritsjurgens Closer Adjustments

Appendix C: Panel Squaring

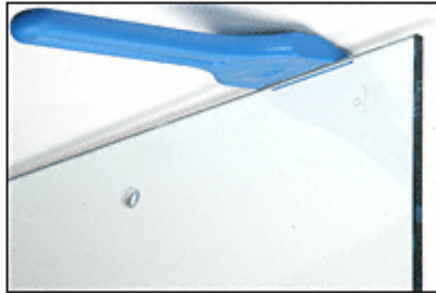


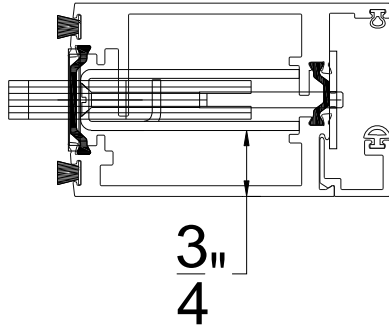
Figure C1:
Glass Lifting Tool

Required Tools: 9/16" wrench, pliers, tape measure, shim, plate glass lifting tool.

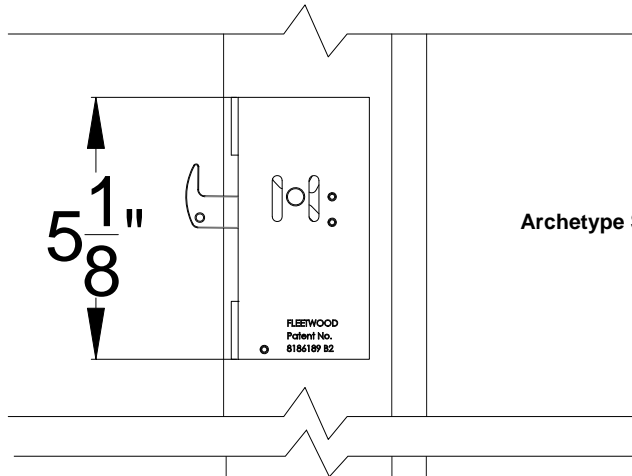
1. If panel hits the sill due to the weight of glass/panel.
 - a. Make sure the frame is squared before any adjustment to panel.
 - b. If the problem is solved, stop here.
 - c. Lay panel on table and check distance of both diagonals. If they are not the same, the panel is not square.
 - d. Loosen nuts at 4 corners (2 turns), use plate glass lifting tool and add additional shim(s) to the top of the panel opposite of the pivot, between the glass and vent top rail.
 - e. Check diagonal distances, gap of panel to frame.
 - f. Tighten corner key nuts.
2. If panel hits the head.
 - a. Make sure the frame is squared before any adjustment to panel.
 - b. If the problem is solved, stop here.
 - c. Lay panel on table and check distance of both diagonals. If they are not the same, the panel is not square.
 - d. Loosen nuts at 2 top corners (2 turns), use plate glass lifting tool and remove/replace with thinner shims to the top of the panel opposite of the pivot, between the glass and vent top rail.
 - e. Check diagonal distances, gap of panel to frame.
 - f. Tighten corner key nuts, insert thermal barrier back.

Appendix D: Hardware Locations

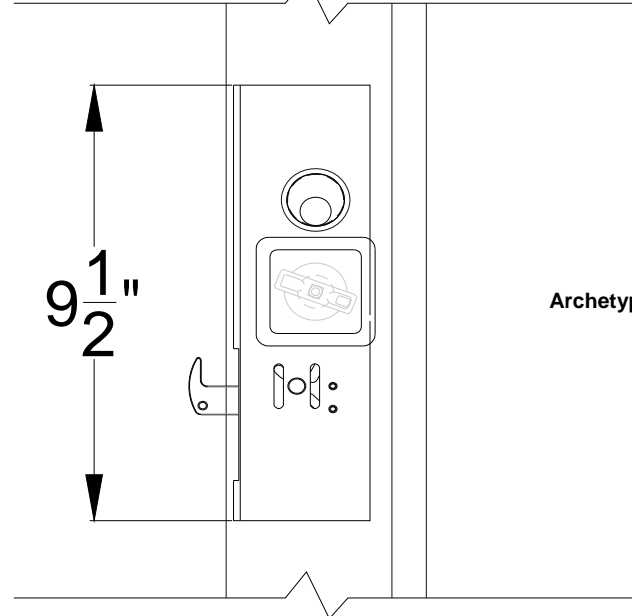
Note: The following are latch hardware locations to avoid.



Archetype Latch (Top View)



Archetype Secondary Latch



Archetype Latch

Figure D1:
 Important Archetype Hardware Locations