



# euro-wall®

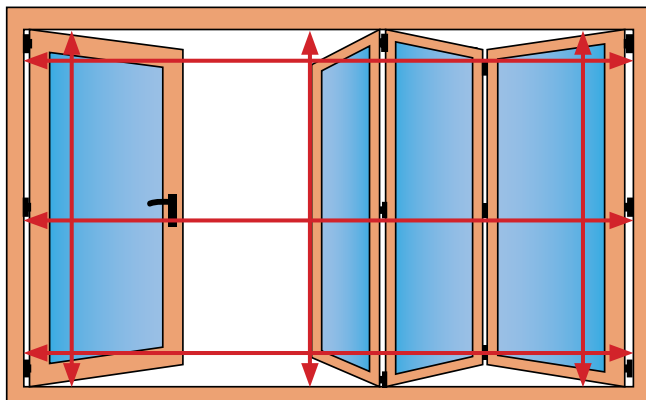
888.989.EURO (3876)  
[www.euro-wall.com](http://www.euro-wall.com)

## Euro-C3/C5 (Euro Vista Fold™ Aluminum Door System) Installation Instructions

# STEP 1: OPENING PREP

## Jobsite Preparation Considerations Rough Opening

1. Ensure correct rough opening specifications:
  - A) Measure according to signed Euro-Wall shop drawing
  - B) Plumb opening
  - C) Level opening
  - D) Square opening
2. Make sure the frame header is designed to withstand the dead loads of all Panels including glass plus momentum and impact loading since it is a top-hung Panel system. Rough opening header must not deflect more than 3/16" (2 mm) when carrying the weight of the Panels according to hardware suppliers' specifications.
3. Ensure the head of the Folding Panel system can be securely fastened to the header components of existing structural header beam.
4. Recommended wood framing for opening or a continuous plane of structural wood to maintain stability, ease of fastening and securing.



**Always Measure at Three Points and Select the Smallest Measurement**

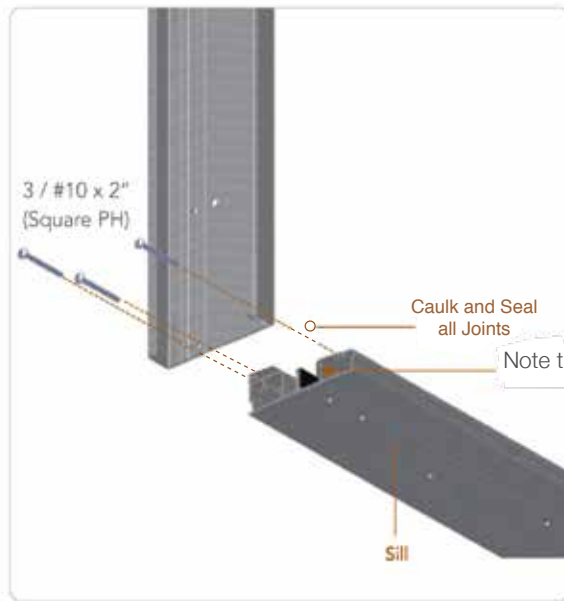
## Overview or Installation Process

**NOTE: A MAXIMUM HEADER DEFLECTION IS 3 / 16"**

1. Caulk all connection points between the sill and the header using high quality water sealing caulk
2. Predrill screw bosses in the sill and header using a 11/64" drill bit
3. Line up milled holes in jam with header and sill and predrill jam holes as required to line up with screw bosses in header and sill
4. Verify that you have caulked the joints so that all connections are sealed
5. Screw 2" # 12 screws SS ( as provided ) into screw bosses. It is highly recommended that you use soap, bees wax or lubricant on the screws so the head does not strip out. It is recommended that you use a light impact screw gun which if used properly, will reduce the stripping out of the softer SS screws
6. **Prior to installing the frame make sure that if you require a weep for the frame that you drill the weep using 5 /16" drill bit (At least 1 weep every 24" in length) If the frame is not embedded and the front of the sill is exposed the drilling should be on the front edge of the exterior location and should be drilled thru both walls in the sill so that water from both channels can weep out to the front and drain to the exterior**
7. If the sill is and partially or fully recessed in the floor, then the weeps need to be drilled out at the bottom of the both channels in the aluminum extrusion. Note: A tubing system or under floor drain may be required.
8. This is a top hung system, the header must be plumb and level prior to installing, use level and laser if needed to verify that the frame is plumb and level before screwing in all screws. Use shims at every pre-drilled screw location.
9. Once you have verified the frame location, drilled the weeps (if required).
10. Prior to installing the frame you must caulk the sill using a figure 8 pattern so that there is always two rows of caulk under the sill.
11. Prior to installing the door verify interior heights from header to sill are the same throughout the system and that the jams, header and sill are plumb level and square
12. All holes drilled for screws should be vacuumed out and filled with sealant caulk to prevent water egressing under the sill
13. After all screws are installed, caulk should be spread over the top to seal, then (after inspection) the vinyl channel liner should be placed in the sill
14. Install the weatherstrip on the frame as shown in the install guide
15. Installing the doors: identify the door # 1 and adjust the hinges as need to that you can hang the panels. Verify that you have the proper gaps from both the header and sill on the first door before you connect door number 2
16. Hang door # 1 from the hanger hinge and connect to door number one using the proper hinges. See hinge layout for your door system

## STEP 2: FRAME ASSEMBLY

### Assemble Bottom Corner



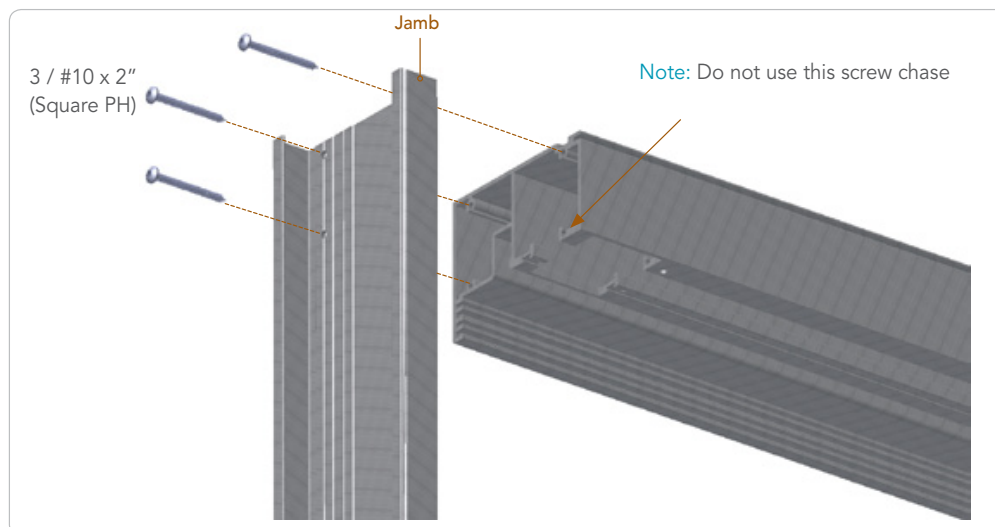
**NOTE:** it is recommended to use screw wax to prevent screw from snapping

**NOTE:**

**When joining two header tracks together do not butt joint - MUST be a 45 degree miter cut.**

**When joining two sill tracks together do NOT butt joint - MUST be a 45 degree miter cut.**

### Assemble Top Corner

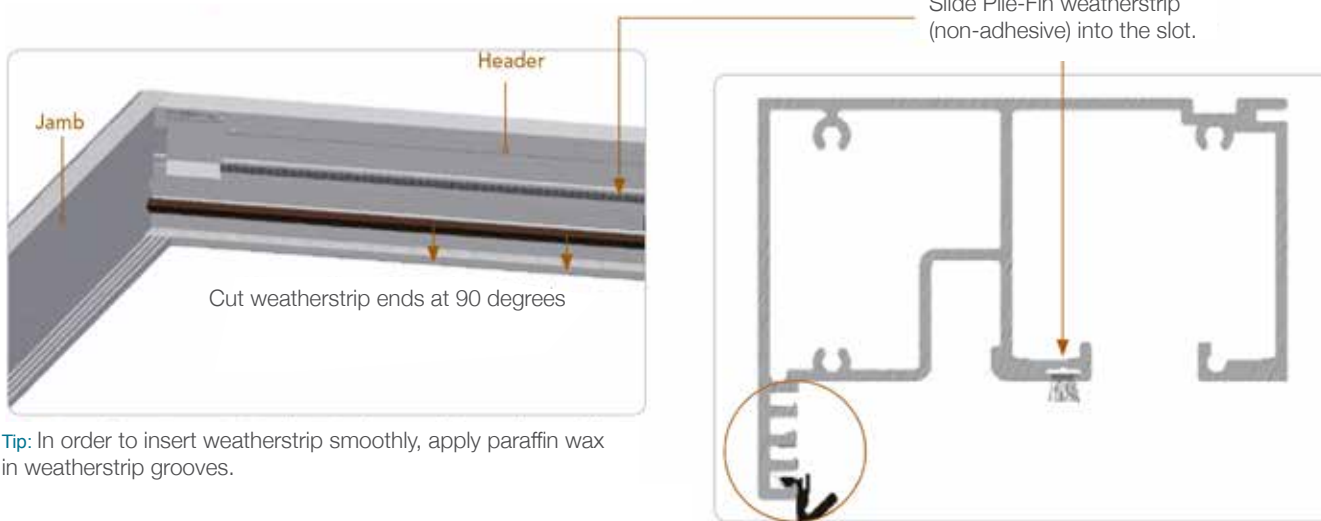


**NOTE:** it is recommended to use screw wax to prevent screw from snapping



## STEP 3: FRAME WEATHERSTRIPPING

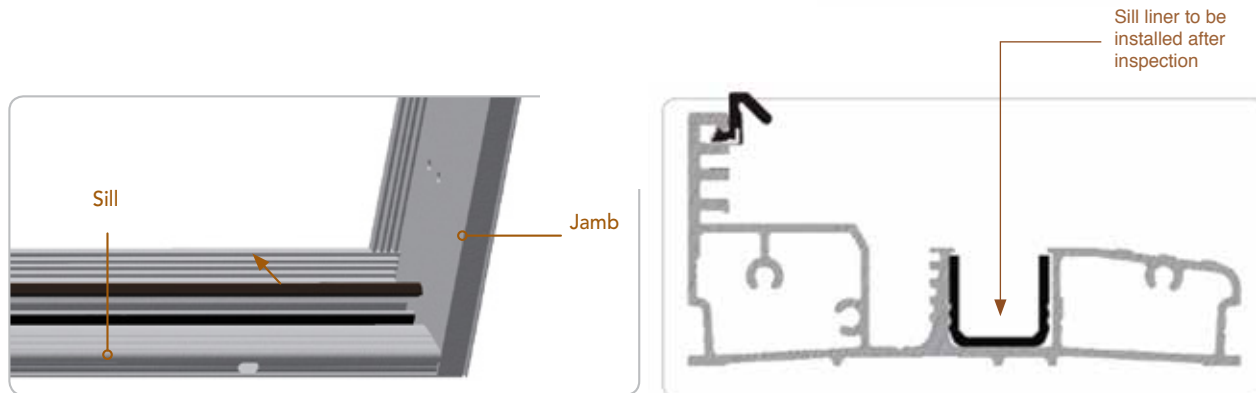
### Apply Horizontal Frame Weatherstrip



### Apply Vertical Frame Weatherstrip



**NOTE:** Apply minimal amount of clear silicone between 45 degree angled cut ends and horizontal weatherstrip

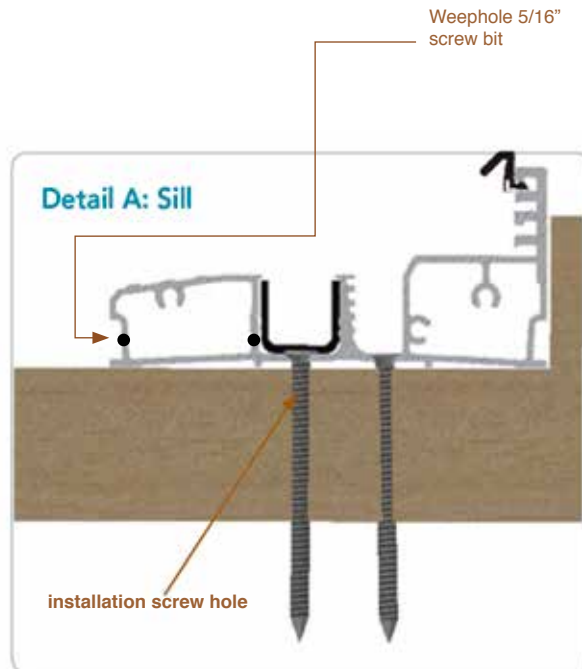
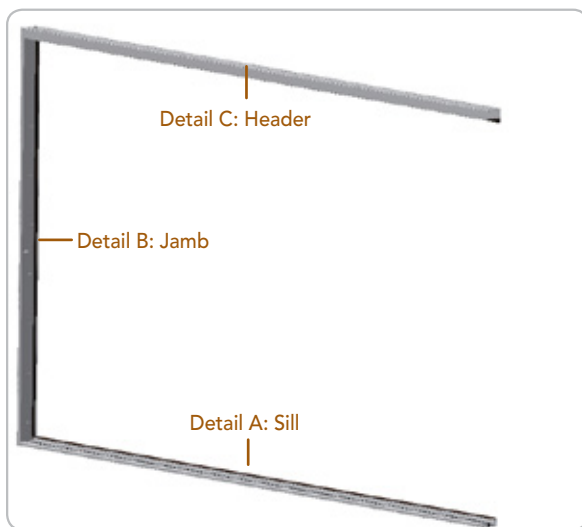


Apply Weatherstrip on frame.

In Florida see Product Approval Document on the FBC System

## STEP 4: FRAME INSTALL AND PREP

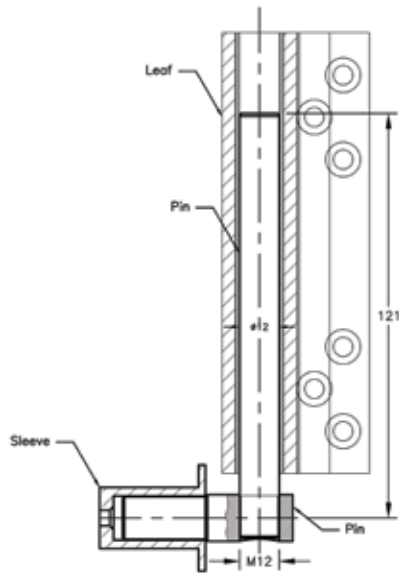
### Frame Placement into Rough Opening



#### Note:

1. Ensure sill is plumb and level
2. "Sill sag" to be no more than 1/16" \*(2mm) at center span
3. "Sill bow" to be avoided at any location of the sill
4. Anchoring screws are not supplied by Euro-Wall
5. Envelope details are not included in this guide. Please consult with your local building codes.
6. In order to reach enhanced performance (>DP70), use extra screw line located in the shootbolt channel as per images for head / jamb / sill.
7. Seal off all installation screw holes in frame with silicone.

## Detail B: Jamb



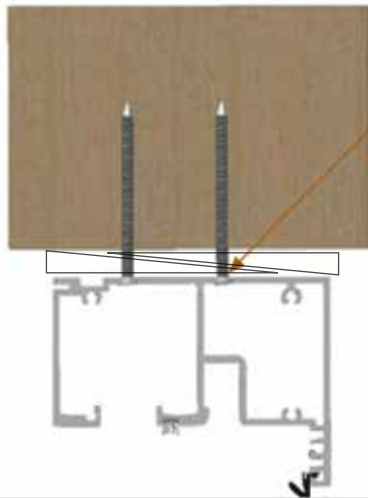
### NOTE:

1. To accommodate for the wall pivot cup, it is recommended to pre-drill a 11/16" (17mm) diameter hole in the rough opening due to the protruding wall cups (1/2" or 12mm).
2. Bow of the jamb to be kept to a maximum of 1/8" (3mm).
3. It is recommended to use a continuous board (as alternate apply pieces) that will act as a back-up in the hollow jamb.
4. Seal off backside of the middle pivot cup(s) with silicone.

### NOTE:

- **ALL MULTI-SECTION HEADERS AND SILLS MUST BE JOINED BY A MITER CUT.**

## Detail C: Header



### Euro-C3/C5 extra installation screw hole

### Note:

1. The screw used must penetrate at least 1 1/2" (38mm) into the rough opening structural header beam that is to carry the accumulative Panel load. The size of the bolt head should not interfere with any carrier wheels.
2. The material used for insulating the shim space should be non-expandable material.
3. Avoid the head from sagging after panels are installed and after full roof load is in place. We recommend installing the header with a slight bow (crown), but not more than 1/8" (3mm) over the full system length.
4. For Florida product approved installations see fastener details in FL#15472R-1 Guide.
5. The maximum header deflection allowed is 3/16".

## STEP 5: INSTALL PANELS

### Determine Panel Sequence

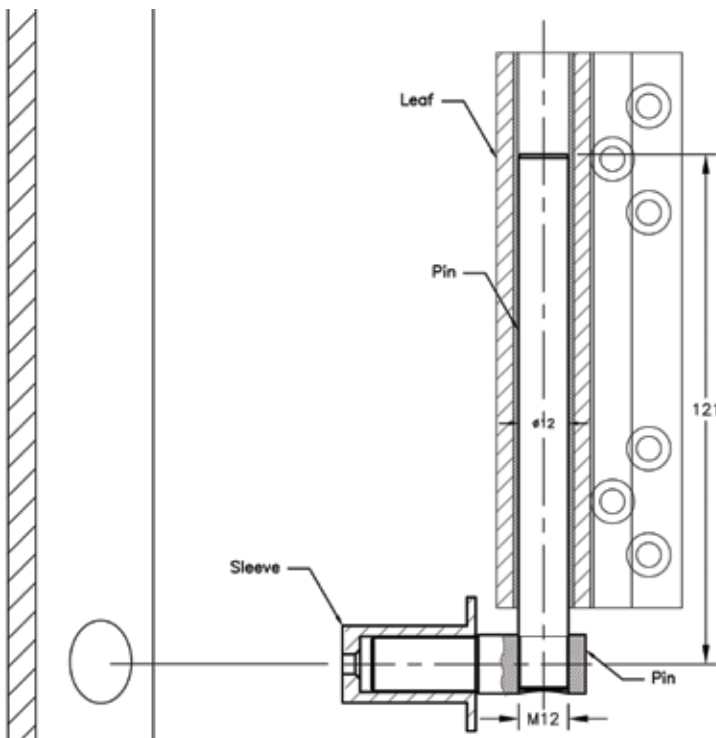
We suggest the panels are identified for the purpose of communicating the sequence



Clean header track and lubricate prior to hanging panels.

Do not allow panels to hang or swing on only one hinge. Must secure panel or damage to hinge will result.

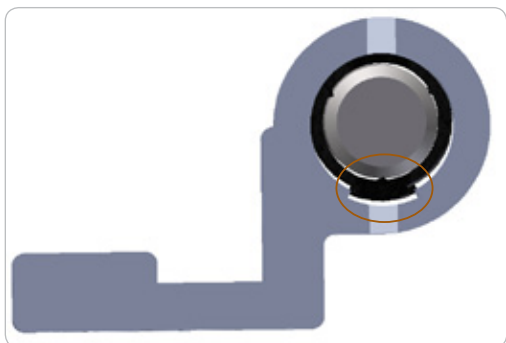
### Install Cup for Wall-Pivot



**Note:**

1. Installing sleeve for center jamb hinge. Place sleeve in pre-drilled hole in jamb. Use attached screw and screw it into substrate.
2. Make sure substraight is deep enough.

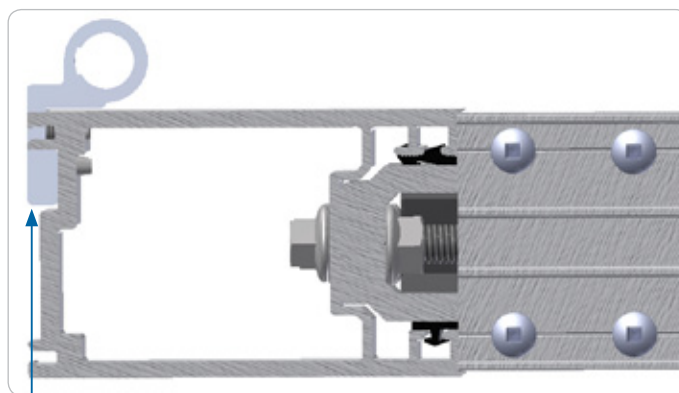
**Caution:** Always support weight of Panel panels with flat/pry bar or similar tool when locating and securing any pivot or carrier vertical adjustment.



**Note:**

To ensure proper operation of Folding Panel System, insert the hinge while aligning the slot in the hinge flange with the rib on the Bearing Tube.

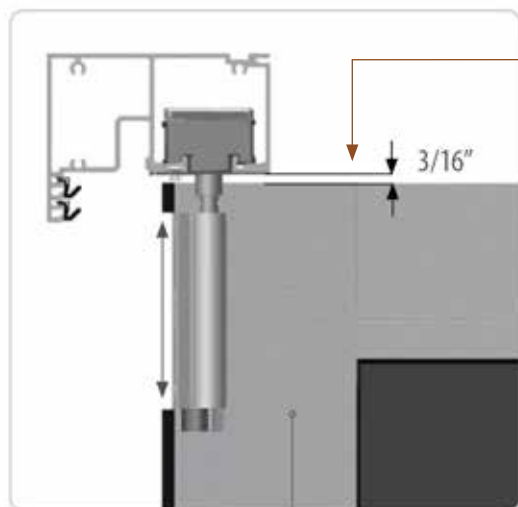
## Mounting the Top Wall-Pivot Hinge to 1st Panel



**Important hinge consideration:**

Position all hinges in a way that one pushes the hinge up as per arrow.

## Adjust Panel Height



Adjust panel prior to operating

**Note:**

Adjust clearance between top of the panel to bottom of the head track to 3/16" by using a crescent 1/2" wrench or ratchet.

**Caution:** Always support weight of Panel panels with flat/pry bar or similar tool when locating and securing any pivot or carrier vertical adjustment. Release door weight for adjustment



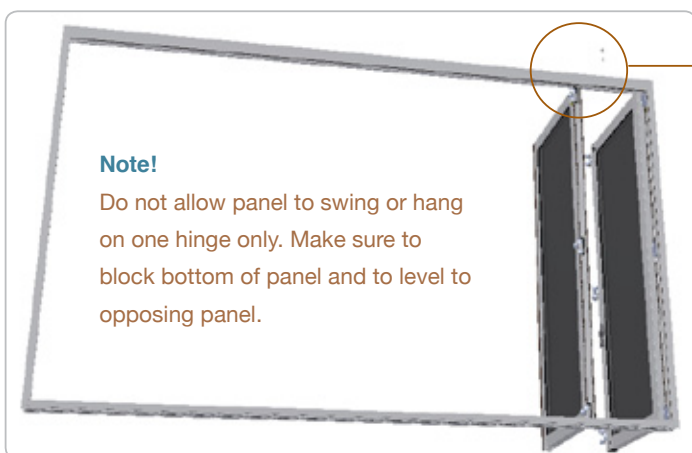
## Adjust Panel Reveal with Jamb



### Note:

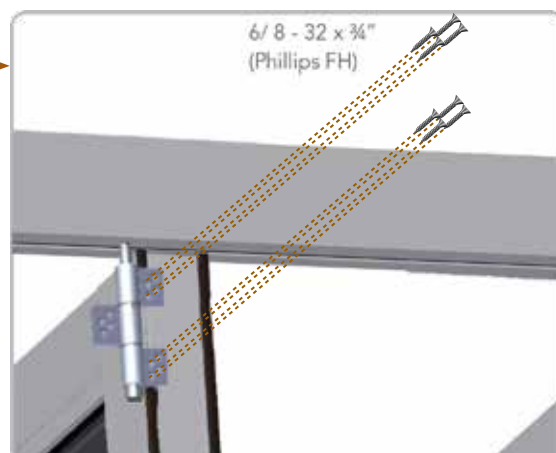
Adjust clearance between jamb and panel to 3/8". Clearance dimension is measured when panel is in closed position.

## Hanging 2nd Panel: Mounting the Top Intermediate Carrier to 2nd Panel



### Note!

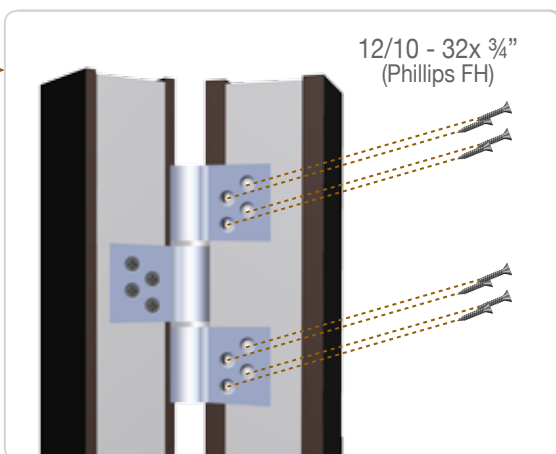
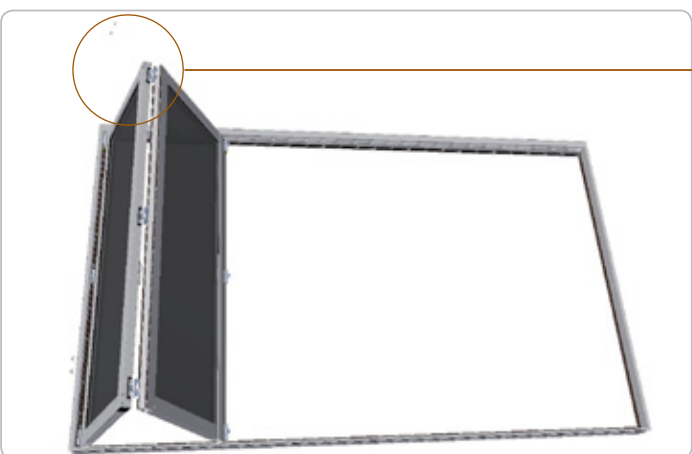
Do not allow panel to swing or hang on one hinge only. Make sure to block bottom of panel and to level to opposing panel.



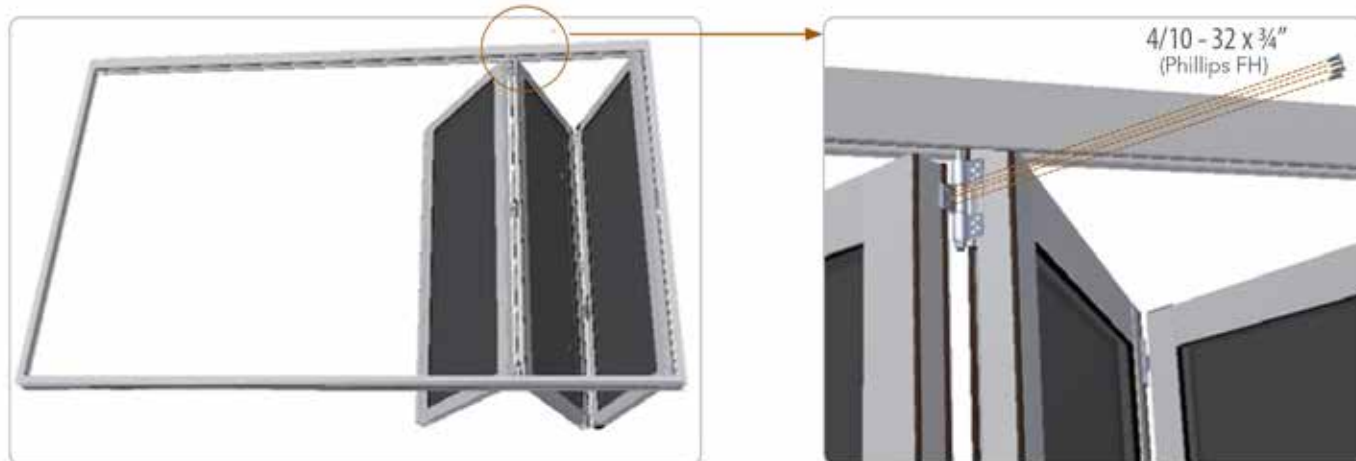
### Note:

Adjust clearance between top of the panel to bottom of the head track to 13/64" (5 mm) by using a 1/2" socket wrench - right rotation lifts and left rotation lowers.

## Hanging 2nd Panel: Connecting 2nd Panel to 3rd Panel



### Hanging 3rd Panel: Mounting the Top Intermediate Carrier to 2nd Panel



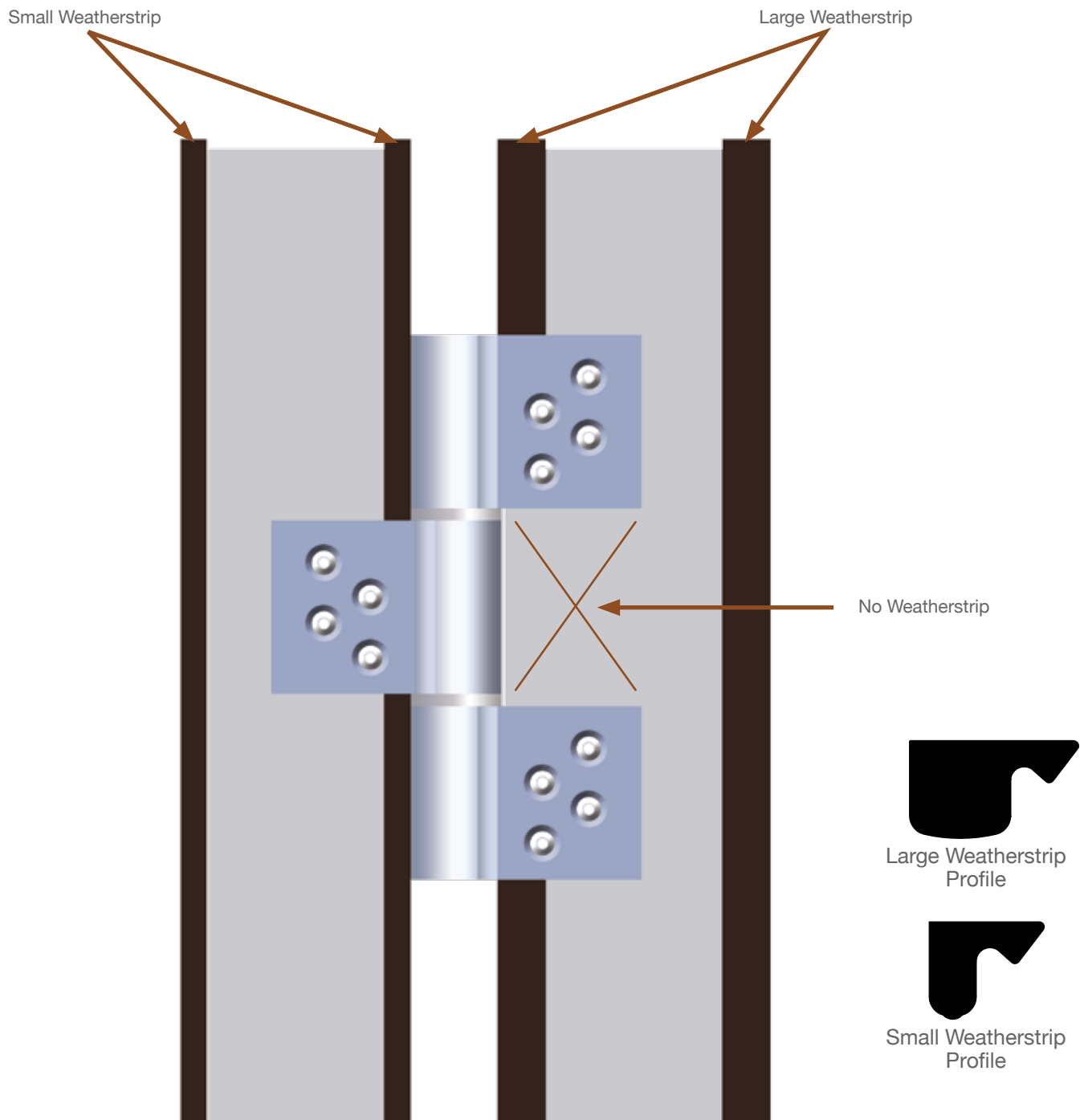
### Hanging 4th Panel: Repeat Previous Steps for Hanging Panels

## Before Moving onto the Next Steps, Make Sure the Following Checklist is Completed

### Completion Check List

- ✓ **Step 1:** Ensure the multipoint is operating smoothly. (if applicable)
- ✓ **Step 2:** Ensure equal reveal to left and right of the system.
- ✓ **Step 3:** Ensure vertical alignment (see page 7).
- ✓ **Step 4:** Ensure left / right panel alignment (see page 11).

## STEP 6: PANEL WEATHERSTRIPPING



### Weatherstripping

Weatherstripping. Install large “P” weatherstripping on all panels that have two (2) hinge leaves and panels with jamb hinge. Place small “P” weatherstrip opposite the large weatherstrip. DO NOT INSTALL LARGE WEATHERSTRIP BETWEEN THE HINGE LEAVES.

## STEP 7: PANEL ADJUSTMENT

### Panel(s) Adjustment Left / Right



### Tools Needed for Adjustment

- ✓ 1: 3/8" drive ratchet with extension with a 1/2" socket (Reference Photo #2)
- ✓ 1: Phillips hand driver (not electric) #3 and #2
- ✓ 1: Shims

### Adjustment Instructions

- ✓ **Step 1:** The panel to frame gapping is factory set to 1/4". If adjustment needs to be made, the set screws on the plate at the pivot hinge need to be loosened (not removed) so that the panels can be moved left or right. The desired condition to adjust is with the doors closed. Using shims to set the spacing at the upper jamb hinge. Once desired spacing is established, retighten screws at plate in header. Repeat the same adjustment for the lower jamb hinge. The center jamb hinge will follow the adjustments made by the upper and lower jamb hinge.
- ✓ **Step 2:** Open and close the door to ensure proper gapping and verify screws are set. Once the desired gapping has been verified, install two (2) self-tapping screws in the header plate at the jamb hinge.
- ✓ **Step 3:** Adjust clearance to allow the door to operate without touching the sill. Ideally, 1/4" and verify by operating the door very slowly to verify no sill damage and proper operation.

## **STEP 8: PRODUCT CARE & INSTALLATION**

### **Attention: Contractor**

#### **Product Care after Installation**

1. Keep the plastic protection inserts on the sill at all times! Create a sturdy bridge to protect sill during construction phase. In addition, place a 'bridge' while system is in open position and protect the side jambs of the Folding Door frame from damage.
2. Protect the Folding Door system from the following:
  - Stucco: Causes etching on aluminum clogs the track and damages the rollers.
  - Drywall: Clogs the system tracks; gums up rollers.
  - Duct tape: Some adhesives chemically react with the many finishes. Therefore, use tape such as 3m painter's tape, but do not leave on any surface for more than 7 days.
3. Instructions for the owner and general contractor:
  - Do not have small children operate or play within the confines of the Folding Panel system.
  - Do not force the Folding Door system; contact Euro-Wall if it is found to be difficult to operate.
  - Apply protection bumpers if exterior handles contact the metal clad of the next Panel.
  - Anchor Panel when in open position to prevent uncontrolled movement that might cause damage.

#### **Operating of the Folding Door System:**

1. Open system according to the following sequence:
  - A. Multipoint release (if applicable)
  - B. Release Twinpoint(s)
  - C. Slide Panels to open position starting with Panel that does not have an Astragal (if applicable)
2. Close system according to the following sequence:
  - A. Slide Panels to close position starting with Panel that has an Astragal (if applicable)
  - B. Lock Twinpoint(s)
  - C. Close swing-Panel with multipoint (if applicable)



## Attention: Consumer / End User

### Recommended Product Care for End-User

#### SAFETY TIPS:

- Do not have small children operate or play within the confines of the Folding Door System.
- Anchor Panels when in open position to prevent uncontrolled movement that might cause damage.
- Do not force the Folding Door System.
- Have a qualified installer remove Panels or hardware when required.
- Contact Euro-Wall if Panel is difficult to operate. (1-888-989-3876)

### Operating of the Folding Door System:

- Open system according to the following sequence:
  - A. Multipoint release (if applicable)
  - B. Release Twinpoint(s)
  - C. Slide Panels to open position starting with Panel that does not have an Astragal (if applicable)
- Close system according to the following sequence:
  - A. Slide Panels to close position starting with Panel that has an Astragal (if applicable)
  - B. Lock Twinpoint(s)
  - C. Close swing-Panel with multipoint (if applicable)

Note: To close the Folding Door system, slide / fold the stack of Panels one by one (perpendicular to the track). If applicable, rotate the swing Panel to the closed position, only when all Panels are in their closed position.

Consult Euro-Wall Maintenance. Consult specific hardware Folding Door care and maintenance guide:

- **Hinges:** Wipe down the visible surfaces with warm soapy water on a soft cloth and then rinse off by wiping with a clean damp cloth.
- **Twinpoint:** Spray suitable lubricant, such as, CRC Marine 66, Innox or WD40 to sliding pin and lock cylinder. Use plastic tube (supplied with lubricant) to direct spray.
- **Track and bearings:** Apply white petroleum jelly (Vaseline) or equivalent, to inner lip of each side of head track. Use clean cloth. Distribute lubricant evenly along track. Ensure wheels and bearings receive sufficient lubricant. Wipe all contaminant from track surfaces with damp cloth and mild detergent, clean surfaces with clean soft cloth. Apply thin film for systems installed in severe environments by wiping surfaces of track with anti-corrosive substance, such as, CRC Marine 66, Innox, WD40 or Corrosion X.
- **Hangers, pivots and brackets:** Spray thin film to hangers, pivots and brackets with anti-corrosive substance, such as, CRC Marine 66, Innox or WD40. Wipe exposed surfaces with clean soft cloth soaked in warm soapy water; rinse clean before applying corrosive preventative.

### Frequency

- Carry out care procedures with the following minimum recommendations:
- General environments - every 3 months
- Marine, industrial environments, within 5 miles of a body of water and / or a pool area - every month.
- Regular maintenance is required for all hardware, even stainless steel, to keep manufacturer's warranty in place.
- Failure to provide proof of maintenance will void any warranty.