1. Lay out the main frame parts on a clean or cardboard covered level floor, the wider flat side should be facing down.

2. Starting with the header and side jambs apply seam sealer that is supplied to corners before inserting the #8 x 2½ zinc screws one at a time as illustrated in the above drawing. Make sure the installer does not over tighten the screws.

3. Before the installer starts fastening the jambs to the threshold, apply liberal amounts of seam sealer (which is supplied) to the area that is to be fastened together.

4. After the frame is put together reapply the seam sealer into the Jamb/Threshold corner, don't use it sparingly. (Remember water is not your friend). (Make sure to fill all voids)

5. There are two PVC corner brackets measuring 2” x 2” x 5”, they need to be applied to the bottom corners as in the illustration above, again using the seam sealer as in #4.

Frame Assembly
Center of frame should be 3/16" higher than jamb sides

* Panning system recommended by Manufacturer in accordance with A.A.M.A. Installation Guide Lines.

* Note: When penetrating the sill pan flashing with fasteners, pre-drill the holes, apply sealant into cleaned out hole, attach the fastener then seal over fastener heads with appropriate sealant. (Fasteners not supplied for header or sill).
INSTALLATION INSTRUCTIONS

HINGES

CARRIERS AND GUIDES

HARDWARE ORIENTATION

ASSEMBLY - REVERSIBLE

INSTALLATION

TOP PIVOT BLOCK

Top Pivot Block is installed in one piece

IMPORTANT

THOROUGHLY CLEAN INSIDE OF TOP TRACK BEFORE INSTALLING ROLLERS

4 Panel orientation 4 Left 4 Right

4mm
**FITTING PIVOT PANEL**

* Pre drill hole for pivot block, apply sealant before fastening screw.

* Do not use the 1½” wood screws that are provided in the hinge boxes. Use the waxed # 10 x 1” stainless hinge screws supplied by Win-Dor.

**BOTTOM PIVOT BLOCK**

* Read Before Removing Center Alignment Screw for All Panels

* Each panel comes with a Philips head alignment screw that is attached where the center hinge will go, it is there to keep the predrilled holes aligned when attaching the hinges. Start panel installation with the top hinge first, once the hinge is installed you can remove the guide screw.

**Panel Adjustment**

**ADDING PANELS** Panel are Numbered Left to Right From the outside

Recommended Hinge Sequence

1. Top Hinge
2. Bottom Hinge
3. Middle Hinge
Even Panel One Way Left or Right Install and Adjustment

Panel numbering is always left to right

* After frame is installed correctly. Always start from with the pivot side first. Do not open hardware box’s arbitrarily you will mix hardware up.

* Do not use the 1½” screws that are provided in the Centor boxes. Use only the 1” waxed screws that are provided.

Panel Adjustment

Adding Panels

Surelock™ is the trademark for Centor’s carrier pin locking system (patents granted).

Carrier pins at the top pivots, intermediate and end carriers support the full door weight and it is here that the height of the panels is adjusted. Surelock™ ensures that once the heights are set, they stay set.

Using Surelock™ is simple:

1. Surelock™ is supplied with a plastic clip installed to make initial adjustment very easy.
2. Insert a flat bladed screwdriver into the slot to rotate the pin.
3. When correct adjustment is reached and doors operate well, remove the shipping clip.
4. Surelock™ will automatically snap into place when the blade and slot are aligned.
5. To realign at a later date, simply pull the blade down to disengage it from the slot and rotate the pin.

Final Adjustment
Example of Hardware Placement and Panel Numbering

3.0.3

1 x E3 CPS Pivot Set
1 x E3 CICS Intermediate Carrier Set
1 x E3 HHS Half Offset Hinge Set
1 x E3 WPS Middle Wall Pivot
1 x DB Non-Keyed Flush bolt in Sash
2 x Centor Magnets

* Always Looking From Outside In

5.0.5 with 9/0 Height

1 x E3 CPS Pivot Set
2 x E3 CICS Intermediate Carrier Set with 2 extra E3HNH
2 x E3 HHS Half Offset Hinge Set with 2 extra E3HHNH
2 x E3 WPS Middle Wall Pivot
2 x DB Non-Keyed Flush bolt in Sash
2 x E3 EH * Place Handle 4" above Twin Bolt Handle
1 x DCAS Magnetic Catch

Pull Handle to be field installed not Predrilled
Astragal and Intermediate Carrier Assembly Installation

A Sash has predrilled holes and machined slot for the intermediate carrier.

B Fasten Intermediate carrier to slotted sash with screws that are provided.

C Before applying the astragal to the sash panel make sure your sash is adjusted properly. Once the adjustment is made dry fit the astragal over the edge of the sash making sure the slot on the astragal lines up with the carrier. If the astragal seems close to the header or sill you can trim the astragal with a fine tooth chop saw (go slowly). After the dry fit is complete you can remove the double sided tape and apply to the sash. After the tape is applied you can also fasten screws through the astragal into the sash.

D After the keepers are screwed in place, take the caps that are provided to fill in the space between the keepers.

#10 x 1” waxed stainless

Cross Section of 2300 Series Bi-Fold
Double Astragal   Example 1L 3 R

* Arrow pointing to a double french door style
Example shown is a 1L 3R

Single Astragal   2R 2L
**SWINGING PATIO DOOR and BI-FOLD DOORS**

A #2 Phillips Screwdriver is required.

A hex-wrench for set screws is provided in the hardware package.

To prevent damage to the handle set while in construction phase, use the construction handle to operate the door. Lift to engage multipoint after door is closed. Push down handle to open the door.

Use water to clean. Do not use brass cleaner. It will remove the protective coating.

NOTE: Handles and back plates vary in style. For proper operation, the hardware must be installed in the following order:

1. Apply the back plate gasket (8) to the inside of the exterior back plate (1). Push gasket firmly onto plate to ensure a tight seal. Apply the back plate gasket (8) to the inside of the interior back plate (2). Apply interior (2) and exterior (1) back plates and fasten loosely with the two screws (6) provided. Note: The screw heads must be on the interior side of the door.

2. Insert the two piece handle shaft (3) into the handle. Be sure to orient the shaft (3) as shown. Screw the set screw until flush with handle using the allen wrench. See Figure 2. Note: This may seem to be a tight fit. Insert the handle attached to the shaft into the latch hole.

3. Install the interior handle on the shaft through the latch hole, pressing tightly to the back plates. Tighten the interior handle set screw with allen wrench. Screw until flush with handle.

4. Insert the keyed cylinder from the interior side of the door until it is flush with the exterior back plate. Install the cylinder screw (7) in the screw hole below the deadbolt in the edge of the door. Tighten the back plate screws.

5. To change handing on latch bolt (circled in Black), grip the top and bottom with a pair of pliers, pull out when it’s free from the receiver rotate either left or right returning it back into the receiver.
Using a long Phillips #2 you can adjust the strike side locking panel which will engage the multi-lock function to **Latch and Lock**

**Even Panel One Way Left or Right Install and Adjustment**
To make your bi-fold door installation easier, we have included hinge spacers if needed. The hinge spacer is an easy and reliable tool to help you overcome variations in sizing that can change in the welding process. Before applying any hinge shims make sure all proper spacing and alignments have been made to your bi-fold door.

1. The hinge shim is designed for the center hinge leaf only. Make sure you shim all the hinges on the same sash. Multiple sash panels can be shimmed.

2. Remove the screws to the center leaf. Be sure to do one hinge at a time starting from the top.

3. Fold back the center leaf.

4. Remove the adhesive backing of the hinge shim.

5. Use some care when lining up the hinge shim and the center leaf. Press the shim and the center leaf together.

6. Fold back your center leaf and reinstall the screws that were taken out. Make sure not to over torque your screws.

Hinge shim size is $1\frac{5}{8}$" x $1\frac{3}{16}$" x $1\frac{1}{16}$" spacer comes in black only and can be doubled up.