GLAZING DOOR AND TRANSOM

MEASURING DOOR GLASS (with stops in place)

1. Identify and separate interior from exterior door stops.
2. Install the interior stops, starting with the full length vertical stops, and then the horizontal stops.
3. Retrack the door adjustment screw in the top rail prior to setting glass.
4. Note any tempering bug should be in lower left hand exterior corner of glass when installed.
5. With door in a secure closed position set the glass on and within the pre-installed setting blocks at bottom and vertical edges of door.
6. Firmly hold glass in place at all times until exterior stops are installed.
7. Install the glass stops starting with the full length verticals and then the horizontals. Tilt the stops slightly forward with the bulb vinyl edge to glass surface and align extruded grooves on stop and door frame. Starting at one end, with firm inboard pressure on door stop, tap along the outside edge with a rubber mallet, working your way down to the other end. Make sure that each stop is snapped in completely.

ADJUST DOOR IN FRAME

1. With the doors in place, check clearance. Door clearance 1/8” (3.2 mm) at Door Header; 1/8” (3.2 mm) at Lock Stile; 3/16” (4.7 mm) between Double Doors.
2. Apply primer if required.
3. Insert minimum 1/32” (0.8 mm) shims or flashing at all bottom threshold/sill/jamb conditions where metal may contact concrete to prevent future aluminum deterioration.
4. Apply a continuous bead of sealant, Cat. No. 95C, to the bottom surface and attach to top of the transom bar with 1/2” (12.7 mm) self tapping button head screws. Fasteners may need to be cut off at bottom if installing a Jackson Overhead Concealed Closer. Seal top of screw heads with Cat. No. 95C sealant. Sealant to the bottom front edge of the aluminum threshold and a generous continuous secondary bead of Cat. No. 95C sealant to the floor substrate or sill flashing across the exterior and interior boundaries. A 1” (25.4 mm) gap in the sealant may be required on each side of the exterior bead for weeping if using sill flashing. Finally, inject sealant into all predrilled screw hole locations.
5. Place assembled frame into the wet threshold sealant. Shim as necessary and secure threshold with appropriate fasteners. Maintain minimum 1/32” (0.8 mm) shim at threshold. Secure frame at jambs and header with holes 3/8” (9.5 mm) from ends. Do not exceed 36” (914.4 mm) centerline to centerline. Place shims at each fastener location as necessary and make sure frame is set plumb and level. Maintain 3/8” (9.5 mm) reveal for caulk joint. NOTE: Insert minimum 1/32” (0.8 mm) shims or flashing at all bottom threshold/sill/jamb conditions where metal may contact concrete to prevent future aluminum deterioration.
6. Trim all shims 3/8” (9.5 mm) back from edge of frame, to allow a consistent caulk joint.

ATTACH HARDWARE/INSTALL DOOR

1. Install hinges i.e. butt hinge, top and bottom pivot, continuous geared hinge, to frame.
2. Install closer(s) NOTE: Floor closers must be installed prior to door frame.
3. Install door into frame and check perimeter clearances. Adjust shims and fasteners as necessary.

CAULKING FRAME

1. Wipe all perimeter surfaces with Isopropyl Alcohol.
2. Apply primer if required.
3. Insert Cat. No. EF12C 1/2” closed cell backer rod at the head and jambs.
4. Apply 3/8” (9.5 mm) bead of Cat. No. 95C sealant and tool sealant at the perimeter of frame at both the interior and exterior.
5. Complete caulking of all frame joints.
Jackson Overhead Concealed Closer Body Mounting Clips
Cover Plate
Door Stop
Sash Face
Snap in Sash Gutter
Exterior
Door Jamb Sash Face Snap in Sash Gutter
Jackson Overhead Concealed Door Closer Center Pivot
Door Jamb Sash Face Snap in Sash Gutter
Transom Header/Jamb
Transom Header/Jamb with Sash
Surface Closer (not shown)
Lock Jamb-Center Pivot
Overhead Concealed Door Closer Offset Pivot
Jackson Closers
Jackson Panic/Exit Devices
Offset-Top Pivot
Butt Hinge
Offset-Bottom Pivot
Threshold
Web Site Instructions