

## **1500 Series Aluminum Non-Impact Picture Window Installation instructions**

### **1.0 Installation Preparation (New Construction)**

- 1.1 Remove shipping materials from the window.
- 1.2 Ensure window is complete and ready for installation.
- 1.3 Measure the window opening, verify dimensions are correct and is level and plumb, sufficient to allow proper installation of the window. Ensure it is free from debris and is dry to accept an approved sealant caulk (“caulk”).
- 1.4 If the opening is a masonry opening with 1x4 pressure treated lumber (“bucks”) and pre-cast concrete sill, ensure there are no voids between the bucks and masonry. Fill voids, seams with caulk as needed. If the installation requires an additional exterior perimeter caulk, apply a generous bead of caulk the outer edge of the buck, where it attaches to the masonry block. Tool caulk until it seals the seam between the masonry block and buck, and covers the outer edge of the bucks. Proceed to section 2.0.
- 1.5 If the window is to be installed into a framed wood opening, ensure that it is also properly wrapped, taped and flashed (by others) per current building codes. Proceed to section 3.0.

### **2.0 Installation, Masonry Flange**

- 2.1 If installing a slip-on fin window, skip and proceed to section 3.0.
- 2.2 If installing a one-way mulled unit, skip and proceed to section 4.0.
- 2.3 If installing a two-way mulled unit, skip and proceed to section 5.0.
- 2.4 Apply a generous bead of caulk to the window sill, where it mates with window sill flange. Apply a generous bead of caulk to the inside edge of the window flange, caulking both jamb and head flanges.
- 2.5 From the exterior place window into opening, applying firm pressure until it is seated and caulk is squeezed from between the flanges and bucks. Remove one screw from each corner of the frame head’s glazing bead, and temporarily tack the window in place using screws of sufficient length, through the previously vacated fastener holes. From the interior, place shim under the window where the jamb meets the sill to set the level. Starting at the corners, install window by removing the factory screws from the glazing bead and replacing them with approved fasteners and shim as required. Refer to latest version of EAS Florida Product Approval for appropriate fastener type and locations. Do not over tighten.
- 2.6 Re-check for level and plumb after attaching first corner. Take care not to scuff glass with power hand tools. Do not over tighten fasteners.
- 2.7 Check the exterior flange and tool smooth any excess caulking.
- 2.8 Seal all exposed fastener heads with sealant and remove excess.
- 2.9 Check for voids (daylight) between the window flange and buck and re-caulk as needed.

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### **3.0 Installation, Slip-On Fin**

- 3.1 Fin windows intended for mulling can be ordered with a flange head, sill or jamb(s) to facilitate installation.
- 3.2 If installing a one-way mull unit, skip and proceed to section 4.0.
- 3.3 If installing a two-way mull unit, skip and proceed to section 5.0.
- 3.4 Apply a generous bead of caulk around the entire exterior perimeter,  $\frac{3}{4}$ " from the edge of the opening. Or, it can be applied to the inside edge of the fin, in the center, on all four sides. Ensure there are no voids or gaps in the caulk bead.
- 3.5 From the exterior, place window into the opening, applying firm pressure until it is seated in the caulk. Shim bottom of window, where the jamb meets the sill, to set level. From outside, tack the window on one side through the fin with a single fastener near the center of the jamb. Check for level, and then repeat for the other side. Check for plumb and continue to finish attaching the window with the approved fasteners. Refer to current EAS Florida Product Approval for fastener type and attachment locations.
- 3.6 On mull fin units, ensure mulls and clips are thoroughly caulked to seal any exposed voids. The top of the vertically mull unit should have a drip edge "Z flashing" installed (by others) to shed water.
- 3.7 Exterior fins may now be taped (by others) when required, according to approved methods outlined in current building codes.

### **4.0 Installing One-Way Tube Mullion with H clips**

- 4.1 Mullion ("mull") must be installed prior to installing windows. When installing mull units, ensure the opening dimensions are sufficient to accommodate the finished assembled unit and allows for proper level and plumb.
- 4.2 Drill installation holes on each leg of the clip. Countersink each of the installation holes to accommodate the use of approved flat head fasteners that, when installed, are flush with the clip. Refer to the latest EAS Florida Product Approval for fastener types and attachment locations.
- 4.3 When installing a vertical mull, measure and mark the header buck and sill to determine the proper location for the mull to be installed. For horizontal mull, measure and mark clip locations on each jamb buck.
- 4.4 Insert one clip in each end of the tube mull. Place mull with clip into opening and attach with approved flat head fasteners. Ensure mull is flush with buck(s) mating surfaces and are plumb or level before proceeding.
- 4.5 Apply caulk to ends of the tube mull to fill voids. Windows can now be installed. Note: The 1500 Series Picture Window is attached to the mull with a #14x1 3/4 flat head self-drilling screw.

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**5.0 Installing Two-Way Tube Mullions with H and U clips**

- 5.1 Mullions (“mulls”) must be installed prior to installing windows. When installing a two-way mull system, there will be a unit of two or more mulls that intersect and are to be installed with both H clips and U clips. Refer to the latest version of the EAS Florida Product Approval for fastener types and attachment locations.
- 5.2 Lay out the mulls, measure and mark the locations where intersecting mulls will be attached to the primary (longest) mull.
- 5.3 Fit the mulls together, install the H clips on the ends of the mulls that will be attached to the opening.
- 5.4 Measure and mark the opening for their corresponding clip locations.
- 5.5 Lift mulls into opening and temporarily tack the primary mull into place with a screw, then tack the remaining mull(s) in the same manner.
- 5.6 Attach the primary mull with approved fasteners, ensuring it is level or plumb. Repeat process for the remaining mull(s) until the unit is completely attached. Ensure all mulls are flush with the bucks’ mating surfaces and are level and plumb when completed.
- 5.7 Apply caulk to the ends of each tube mull to fill voids and tool smooth where mulls intersect. Windows can now be installed. Note: The 1500 Series Picture Window is attached to the mull with a #14x1 3/4 flat head self-drilling screw.