CONFORM

# Construction Bulletin No. 19

## Aluminum Overhead Door Installation

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## ALUMINUM OVERHEAD DOOR FRAME - INSTALLATION

### 1. INSTALL ALUMINUM JAMBS

- Erect the Conform wall components with a Conform panel adjacent to each side of an opening.
- Interlock the legs of the aluminum jamb with the panel grooves and slide the aluminum jamb into place as shown in Figures 1a and 1b.
- Ensure that the opening location and width are correct.

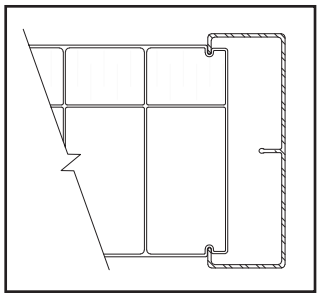

Figure 1a

Figure 1b

### 2. INSTALL ALUMINUM HEADER

- Fit the ends of the aluminum header around the Conform panel at each jamb and place the aluminum header on top of the aluminum jambs, as shown in Figure 2a.
- Bolt the aluminum header to the jambs with 5/8" dia. x 1 ½" bolts as shown in Figure 2b.

Figure 2a

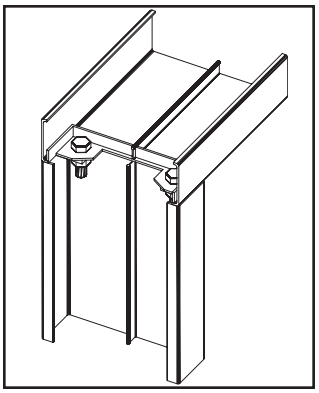

Figure 2b

### 3. INSTALL CONFORM HEADER

- All header components are prefabricated at the Nuform plant prior to shipment. A 16 x 25 mm high (5/8" x 1") notch is provided at underside of all header components to fit over the center aluminum waterstop. A 80 x 16 mm high (3 1/8" x 5/8") notch is provided at the underside of the box connector at each end of the header to fit over the aluminum waterstop at each end.
- Ensure that the fabrications are completed and arranged correctly as shown in Figures 3a and 3b.
- Interlock the legs of the box connectors at each end of the Conform header, into the Conform panels at each jamb and slide the header to nest inside the aluminum frame as shown in Figures 3c and 3d.

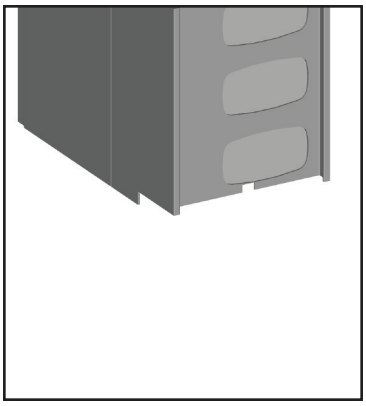

Figure 3a

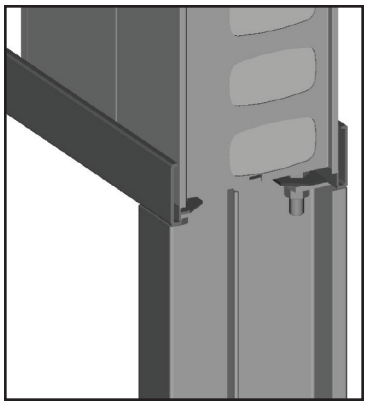

Figure 3b

Figure 3c

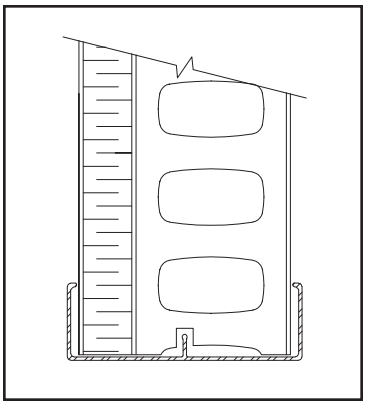

Figure 3d

### 4. INSTALL ANCHOR BOLTS AT BASE OF ALUMINUM JAMBS

- Once the aluminum frame is correctly positioned, straight and plumb, the aluminum jambs are anchored to the foundation depending of the foundation option being used.
- Ensure that the jambs are correctly located and drill holes in the footing as required.
- Use 5/8" dia. x 4" expansion anchor bolts (supplied by others).

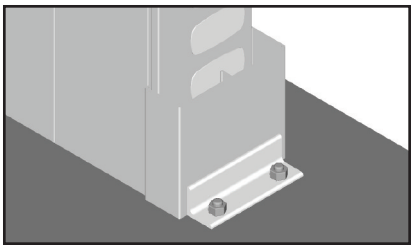

Figure 4.1a

**OPTION 1 Jamb on a footing prior to the floor slab pour.**

- Anchor the bracket on the face of each aluminum jamb, to the footing as shown in Figure 4.1a.
- When the floor slab is poured the bracket and anchor bolts will be encased by the slab.

**OPTION 2 Jamb on a footing after the slab is poured.**

- The edge of the slab must be provided with a 25 x 100 mm (1" x 4") recess to suit the location of the aluminum jambs, so that the Conform components will fit against the edge of the slab as shown in Figure 4.2a.
- Anchor the bracket on the outside of each aluminum jamb, to the footing as shown in Figure 4.2b
- When the exterior paving is completed, the brackets and anchor bolts are encased in concrete.

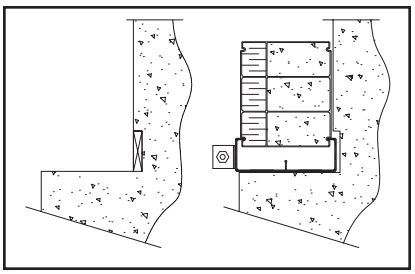

Figure 4.2a

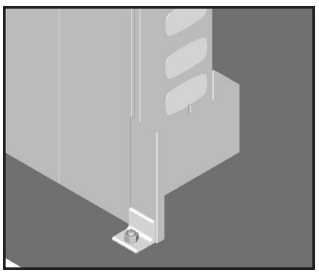

Figure 4.2b

**OPTION 3 Jamb on the top of a floor slab.**

- Anchor the bracket on the back of each aluminum jamb, to the slab as shown in Figure 4.3a.
- For access to the bracket, raise the panel and box adjacent to the aluminum jamb and hold in place with a short piece of 2x4 lumber placed in the wall coring, as shown in Figure 4.3b. Ensure that the space is adequate to operate a drill.
- Remove the wood and slide the panel and box into place so that the bracket and anchors will be encased within the wall, when poured.

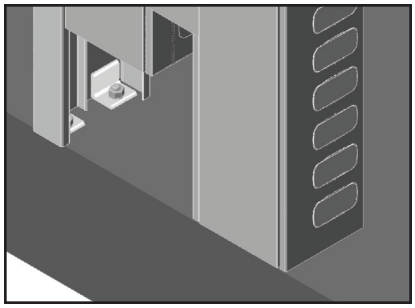

Figure 4.3a

Figure 4.3b

### 5. INSTALL SHORING AND BRACING

- To maintain the size, square, plumb and level of the opening during the concrete pour for the wall, shoring and bracing are required.
- Install vertical post shores at 1.2 m (4') on centre to the underside of the aluminum header and install horizontal post shores between the aluminum jambs at 1.2 m (4') on centre, as shown in Figure 5a.
- In addition to the bracing at the top and bottom of the Conform wall, provide lateral diagonal bracing near the top of each aluminum jamb and along the aluminum header at 2.4 m (8') on centre, as shown in Figure 5b.

Figure 5a

Figure 5b