

**95W18, 95W19, 95W20, 95W21
ROOF MOUNTING FRAME**

Installation Instructions for:
Rooftop Units ZC,ZG,ZH 036,048,060 Unit

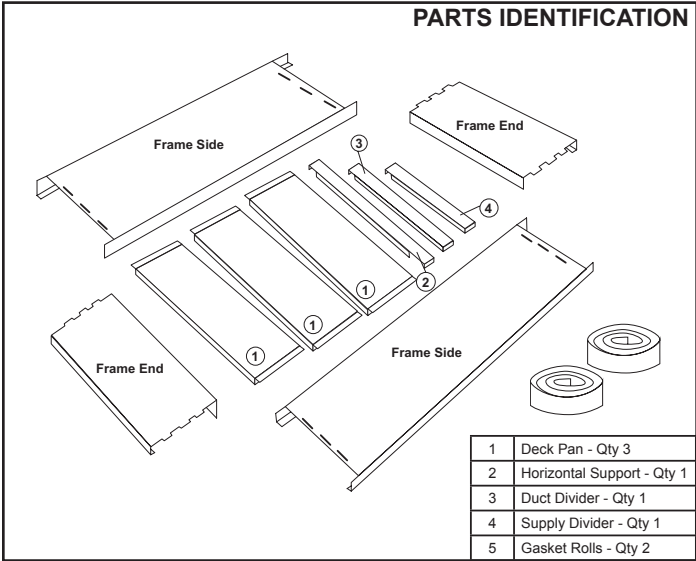


Figure 1

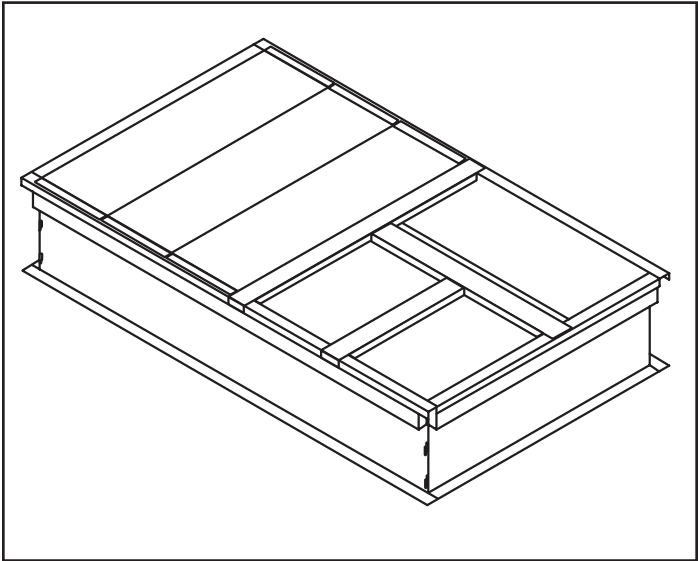


Figure 2

Frame Application and Location

The roof mounting frame provides support when the HVAC unit is installed rooftop applications.

The mounting frame can be installed directly on deck having adequate structural strength, or on roof supports under deck. Check HVAC unit instructions for service clearances. See figure 5 for frame dimensions and location of supply and return air plenums.

NOTE - Frame assembly must be installed level within 1/16" per linear foot in any direction.

Frame Assembly

The assembled mounting frame is illustrated in figure 5. Refer to individual details for correct assembly procedure. See figure 3 to assemble corners of frames. Assemble frame as illustrated in figure 5.

Securing Frame

To assure proper mating with HVAC units, it is mandatory the mounting frame be squared to roof structure as follows:

1. With frame situated level in desired location on roof trusses, tack weld (1) corner of frame to building structure.
2. Measure frame diagonally from corner to corner as shown in figure 4. These dimensions must be equal for frame to square.
3. It is extremely important to sight frame from all corners to make certain frame is not twisted across top side. Shim frame under any low sides.

Maximum Slope Tolerance 1/16" per linear foot in any direction.

4. After frame has been squared, straightened and shimmed, weld or attach frame securely to roof deck.

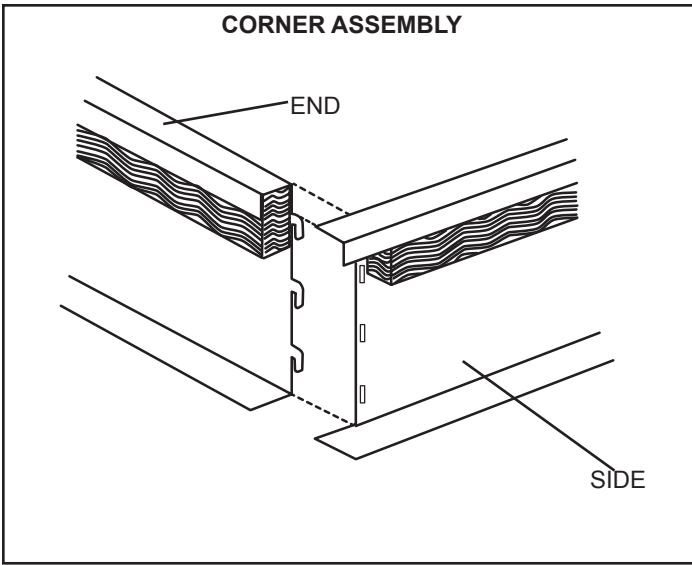


Figure 3

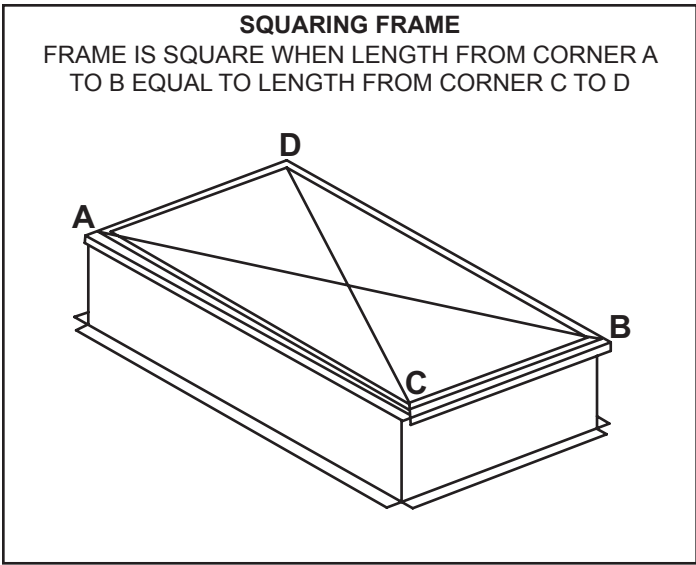


Figure 4

STEP 1: Bring together (1) frame side and (1) frame end. Insert the tabs on the frame end into the slots on frame side. Press together until tab locks in place. When locked into place curb sides and ends will not come apart. Repeat all (4) corners.

STEP 2: Set (3) deck pans in place on condenser end of curb. Insulation will face up. See figure 5. Bottom of deck pans have cut-out for optional utility connection entry through curb.

STEP 3: Set horizontal support in place. See figure 5.

STEP 4: Set duct divider and supply divider in place. See figure 5.

STEP 5: Roof-in curb see figure 7. Follow all local and applicable codes. Set duct in curb per figure 8.

STEP 6: After plenum installation, add provided gasket to top perimeter as shown in figure 6.

CURB PN	A
95W18	8"
95W19	14"
95W20	18"
95W21	24"

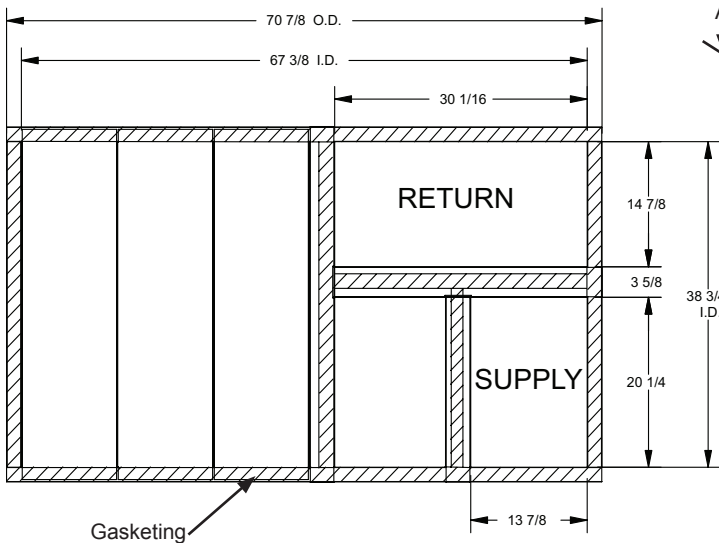


Figure 6 - Top View

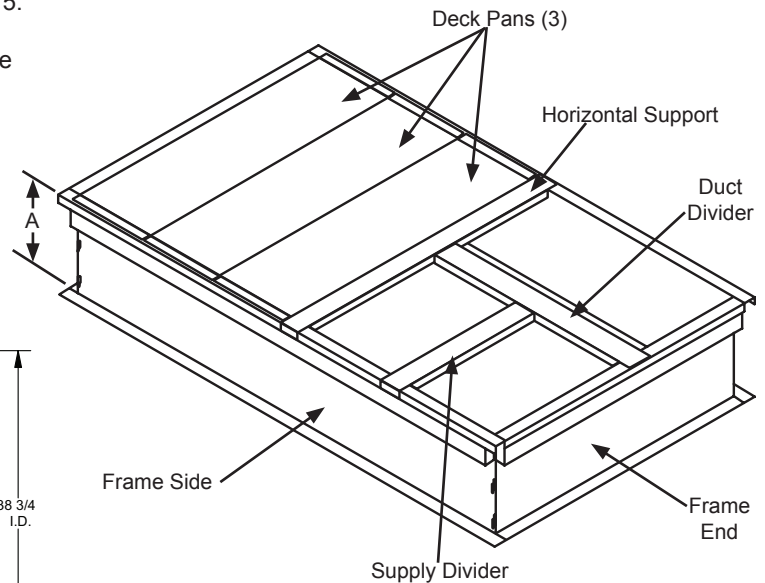


Figure 5

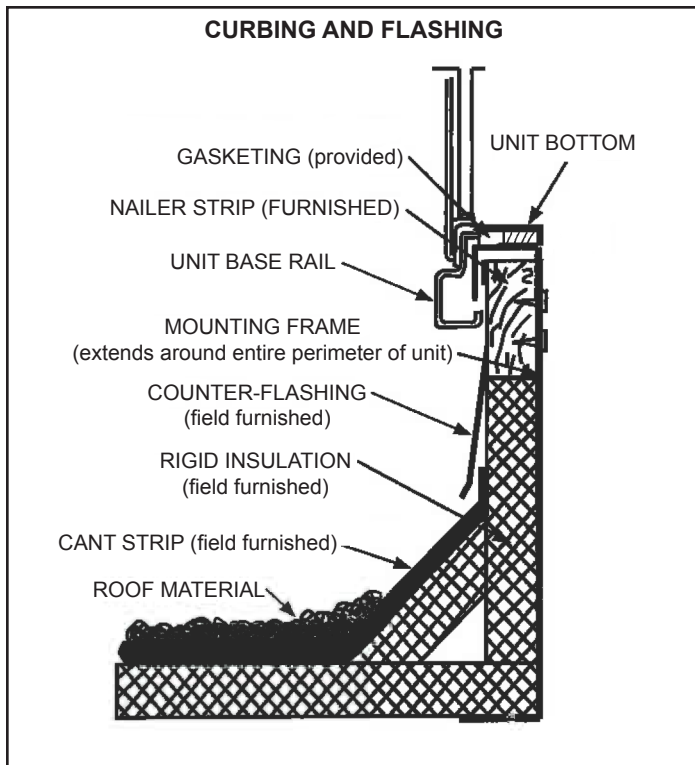


Figure 7

Supply and Return Plenum Duct

IMPORTANT - Plenum duct system must be installed before unit is set on mounting frame. Verify unit and plenum alignment before crane leaves job.

A-Supply Air Plenum Construction

Plenum must be constructed of galvanized steel (26 gauge minimum) with mat-faces fiberglass insulation applied to the inside. It is recommended that 1/2 in. (13 mm) thick, 3lb./ft.³ (48kg/m³) density fiberglass insulation be used. However, if 1-1/2lb./ft.³ (24kg/m³) density insulation is used, it should be secured with mechanical fasteners. Install plenum as shown in figure 8 and secure in place with sheet metal screws.

B-Return Air Plenum

Plenum collar must be constructed of galvanized steel (26 gauge minimum) and lined with mat-faced fiberglass insulation. It is recommended that 1/2 lb. (13mm) thick, 3lb./ft.³ (48kg/m³) density fiberglass insulation be used. However, if 1-1/2lb./ft.³ (24kg/m³) density insulation is used, it should be secured with mechanical fasteners. Install plenum as shown in figure 8.

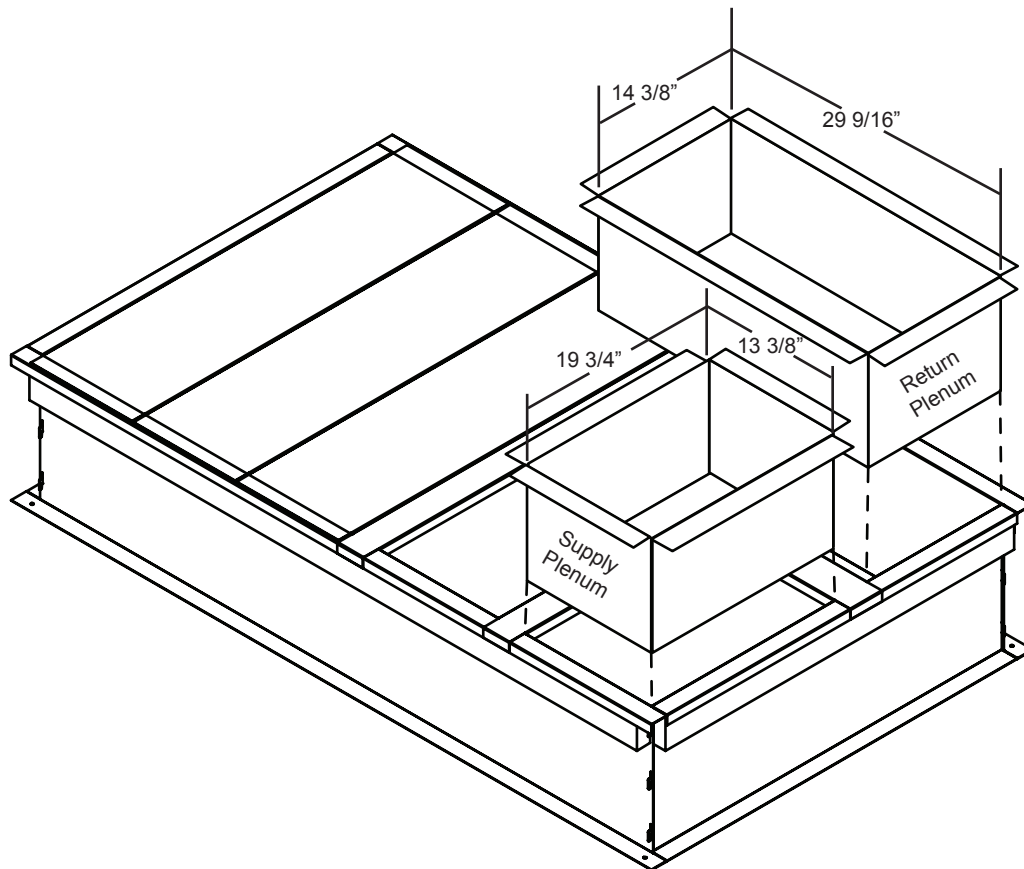


Figure 8