Primary Frame Detail
Underhung Crane

Rafter
Crane Bracket Factory Welded to Rafter
A325 Bolts (See Detail "A")

Bolted Crane Bracket Angle Brace

Wing Plate

Stiffeners

Roof X-Bracing
Crane X-Bracing (From Web of Bracket to Web of the Rafter)

Runway Beam

\( \frac{3}{4} \) Dia. A325 Bolt with Wing Plate (Typ.)

A325 Bolts with Beveled and Flat Washer if required. See Detail "A"

\( \frac{3}{4} \)" Dia. A325 Bolts (Typ. at Angle Bracing)

Wing Plate

Field Located End Stop Not By Metal Bldg Mfr.

Note: Nut Located On Bottom Of Beam Flange. Crimp Bolt Threads and Nut Threads as Shown.

Detail "A"

Notes: Frame Shapes May Vary
See Crane Elevation For Additional Information