All bolts shown are $\frac{3}{4}$" A325. Refer to $\frac{3}{4}$" A325 Bolt Grip Table for required bolt length.

(Purlins may be offset on each side of Valley Rafter. See "Roof Framing Plan" for location.)

Flange Brace (when specified) FB4_, FB8 or FB9__
(Flange Braces may be required one or both sides of Valley Rafter. For requirements and locations refer to "Cross Section" or "Roof Framing Plan". Attach Flange Brace to Valley Rafter and "Field Bend" to attach to lower Purlin web hole located 2'-4" or 5'-0" from center of Valley Rafter.)