BISECTED TRUSS PITCH ANGLE
in terms of
TRUSS DIMENSIONS

Diagonal

Rise

Run

Truss Pitch

Half Angle Pitch

Truss Pitch

Half-Angle Pitch
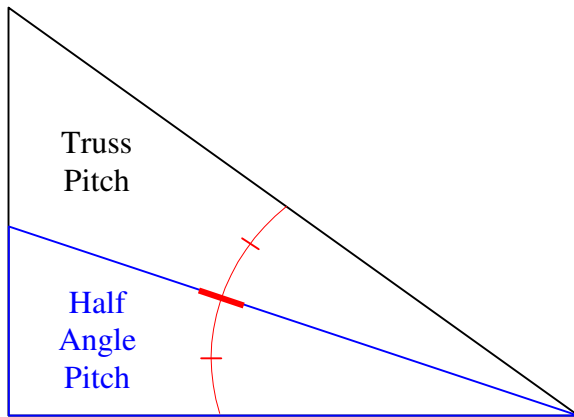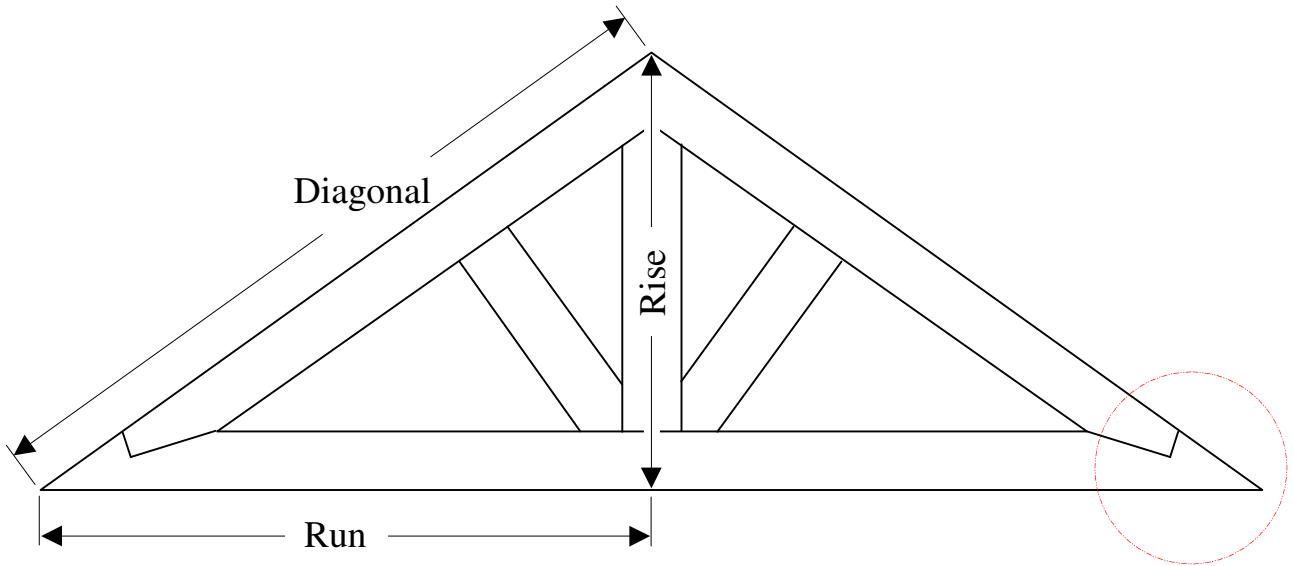
Pitch Triangles

The angle of the Truss Pitch is bisected. Bisecting the angle is **not** the same as bisecting the pitch or rise ÷ run.
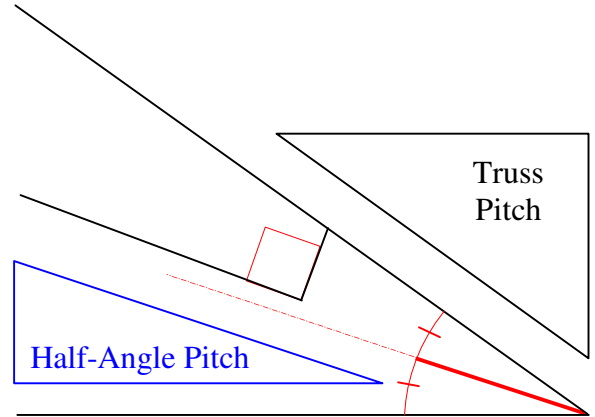
Joint Detail

Note the square cut at the foot of the upper chord to optimize force distribution.

The rise ÷ run that bisects the Truss Pitch angle, expressed as an over 12 value, may be evaluated by:

$$\textbf{HALF-ANGLE PITCH} = \mathbf{12} \times \frac{\textbf{TRUSS RISE}}{\textbf{TRUSS RUN + TRUSS DIAGONAL}}$$