

Layout for the Trusses

Chalk a 20' line on the pad. At each end, draw a $\frac{1}{4}$ " line with a pencil. Using a sheetrock square, make a vertical line with chalk at the exact halfway point (120" from either end). Mark with a pencil $40\frac{1}{4}$ " up from the bottom. Chalk lines from this mark to the top of each $\frac{1}{4}$ " line. The bottom of the top chords will lie on these lines. The bottom of the bottom chord will lie on the 240" line. Set the saw to **18.43 degrees** to cut the ends of the top chords.

Gussets:

68 (92) – 12" x 12" (24 (32) cut for the peak – see drawing to right)

48 (64) – $9\frac{1}{2}$ " x 18" x $3\frac{1}{2}$ " (see drawing to right)

58 (74) – $3\frac{1}{2}$ " x 7"

Truss Count:

Normal building – (8) 14x12 (3) 12x12 (2) Gable 14x12

32x20 building – (2) 14x14 (10) 14x12 (3) 12x12 (2) Gable 14x12

Important note: All gussets on gable trusses need to be raised up by $1\frac{3}{4}$ "

For the vents, measure down 13.5" from the peak to determine where the top of the vent holes should be. The holes themselves are 12" x 12" with 3.5" in between to allow for the center stud. Top trim board should be 36.5" on top and 34.5" on the bottom.

Lookout notches: vertically notched at the peak, horizontally notched at 48", 96" and 124" from the peak, all on center.

