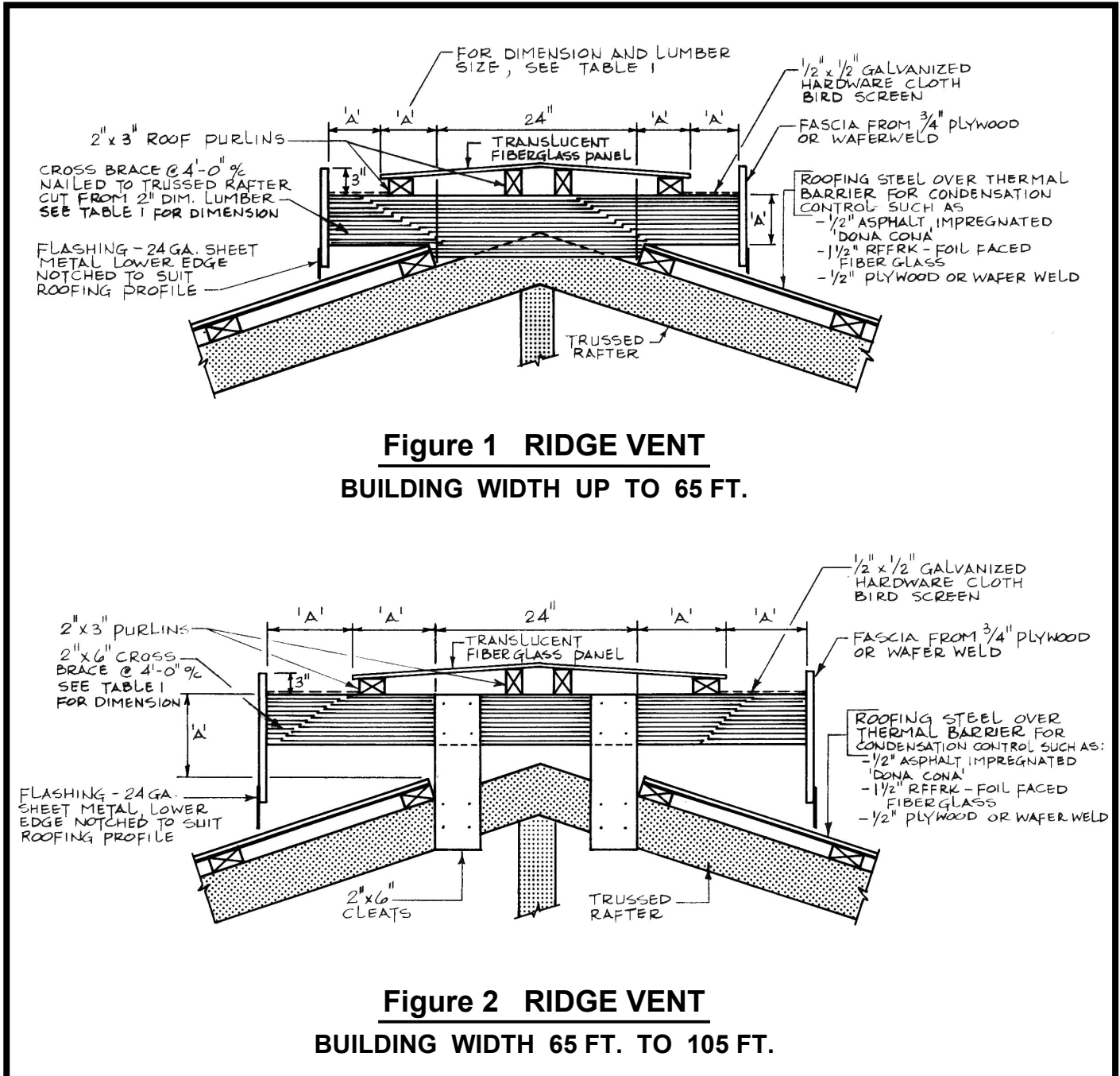




NATURAL VENTILATION RIDGE VENTS



NATURAL VENTILATION RIDGE VENT

This leaflet provides details for the construction of a continuous roof ridge ventilator. This design is used extensively in relatively cold, modified environment buildings where temperatures are only 3 ° – 12 °C warmer than outside temperatures during the winter months.

In structures which rely on natural air convection to change the air, a continuous vent provides the best method of air removal. Cool air which enters the building along eaves picks up heat and moisture from the animals and rises to the ridge. With a continuous vent, this air can immediately escape to the atmosphere. If this warm, moist air must travel lengthwise down the barn to escape there is a much greater chance of condensation forming on the underside of the roof.

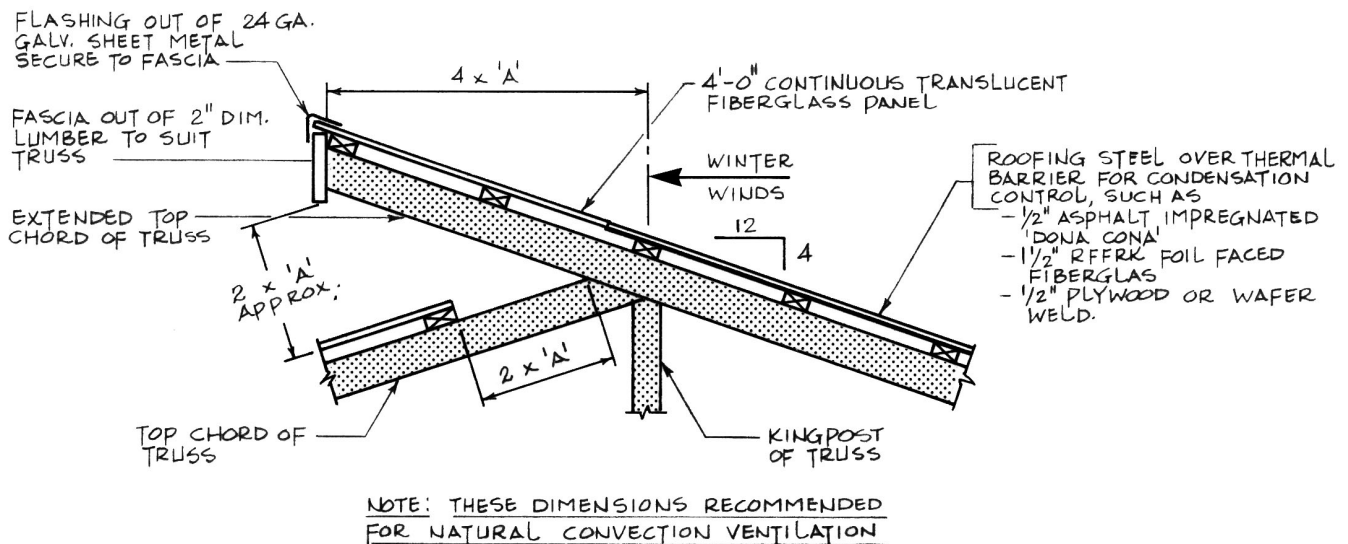


Figure 3 OVERSHOT ROOF VENT

TABLE 1 – RIDGE VENT DIMENSIONS			
BUILDING WIDTH	'A' DIMENSION FIG. 1, 2, 3	CROSS BRACES FIGURE 1 & 2	FASCIA DIMENSION FIGURE 1 & 2
20' - 35'	3 1/2"	2" x 6"	1" x 8"
35' - 45'	4"	2" x 6"	1" x 8"
45' - 55'	5"	2" x 8"	1" x 8"
55' - 65'	6"	2" x 8"	1" x 12"
65' - 75'	7"	2" x 6" + CLEATS	3/4" x 12"
75' - 85'	8"	2" x 6" + CLEATS	3/4" x 14"
85' - 95'	9"	2" x 6" + CLEATS	3/4" x 14"
95' - 105'	10"	2" x 6" + CLEATS	3/4" x 16"

FROM
3/4" PLYWOOD