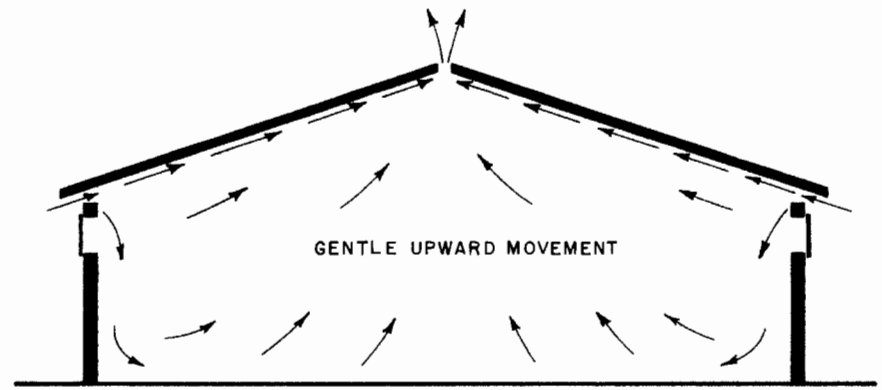


FIG. 1 OPENINGS REQUIRED



WINTER AIR MOVEMENT IN BARN
FIG. 2 NO WIND OUTSIDE

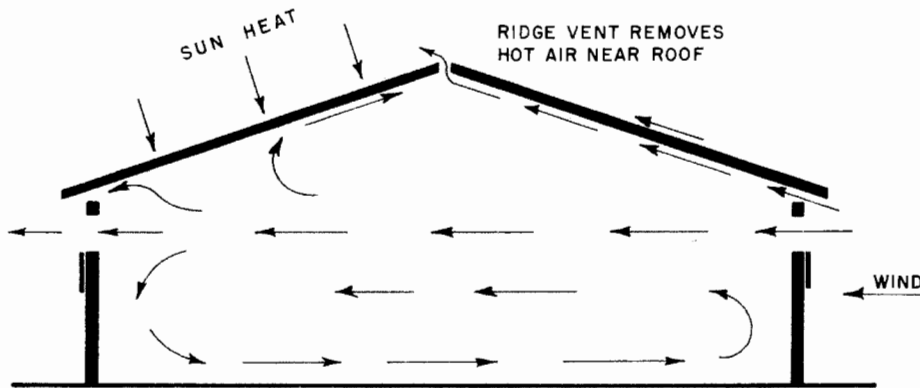


FIG. 3 SUMMER AIR MOVEMENT
DROP PANELS OPEN

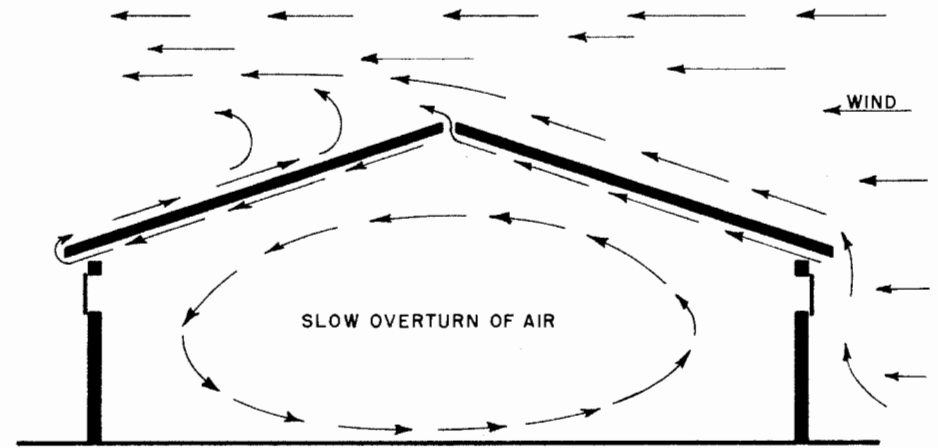
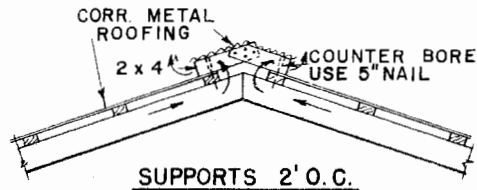
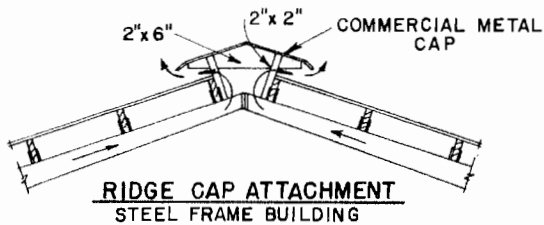
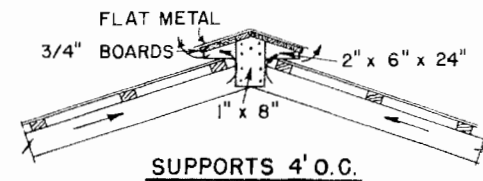
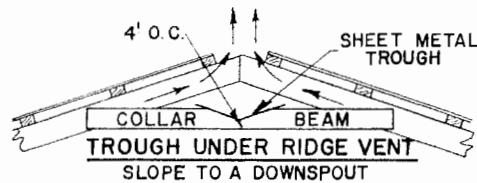
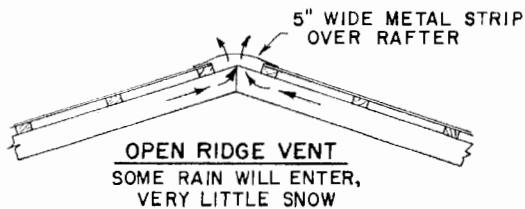
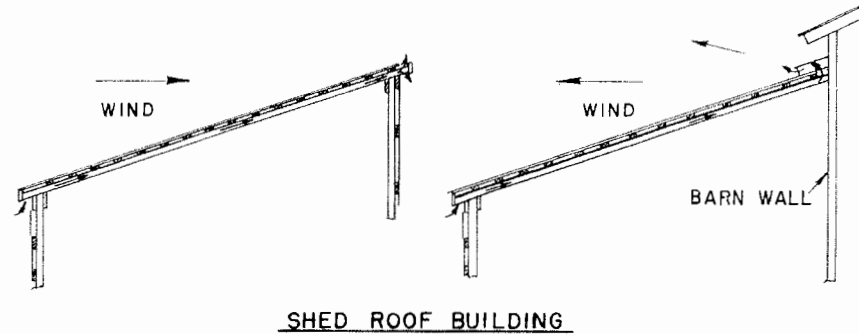
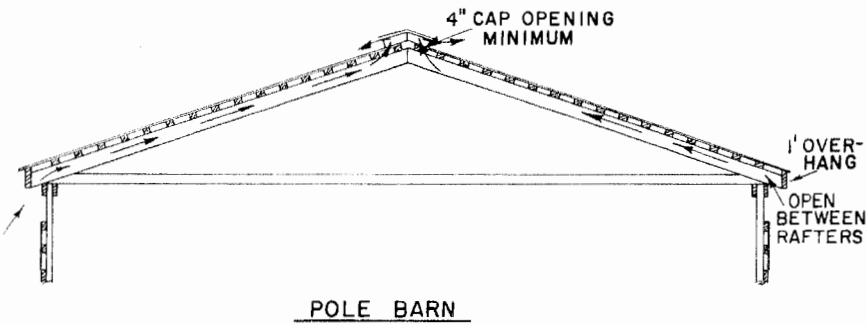
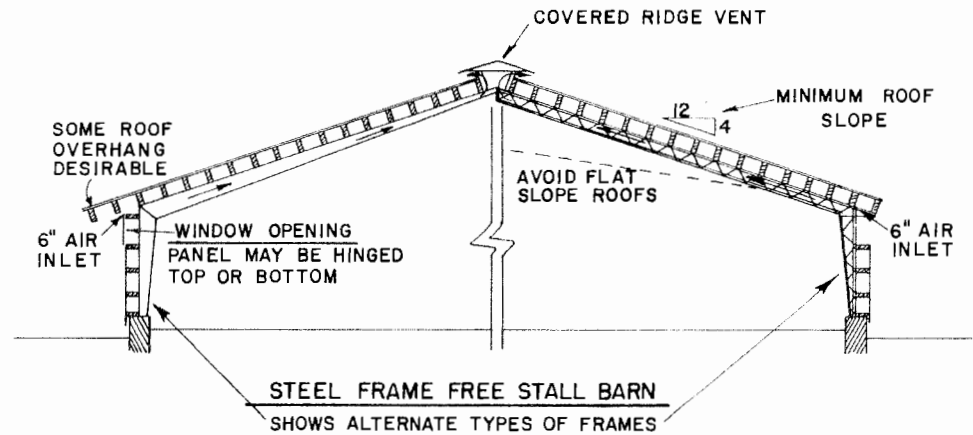
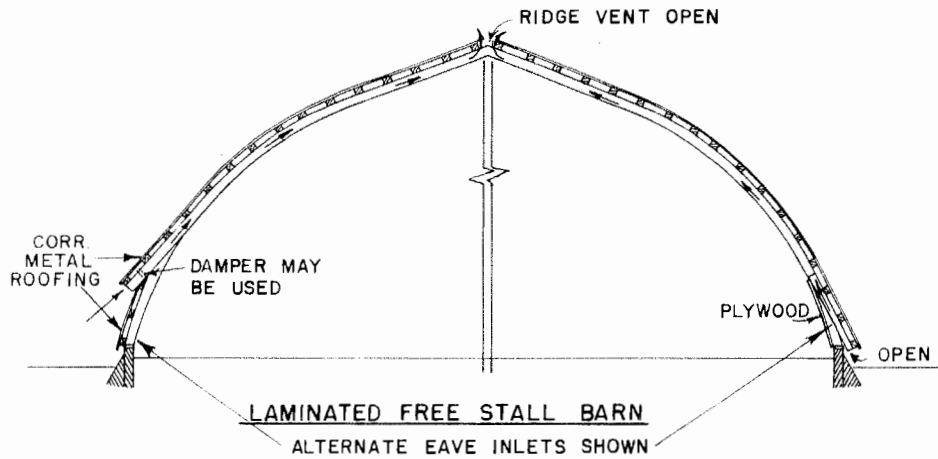


FIG. 4 WINTER AIR MOVEMENT IN BARN
WIND BLOWING

VENTILATION REQUIREMENTS FOR COLD, CLOSED FREE STALL BARN

1. RIDGE OPENING - 6" OPENING FOR BUILDINGS UP TO 40' WIDE (MINIMUM OPENING)
(CONTINUOUS) OVER 40' WIDE - 1 1/4" PER 10' OF WIDTH
2. EAVE OPENING - 6" MINIMUM HEIGHT, BETWEEN RAFTERS BOTH SIDES OF BARN
3. DROP PANEL OR WINDOW - CONTINUOUS BOTH SIDES OF BARN 18" TO 24" HIGH
4. RIDGE CAP OPTIONAL - USUALLY 3' TO 4' WIDE
5. RIDGE CAP OPENING - 4" UNDER CAP
6. ROOF SLOPE MINIMUM 4" IN 12"
7. WHITE OR ALUMINUM ROOFING FOR REFLECTIVE COOLING IN SUMMER



VENTILATION SYS.
FOR COLD FREE STALL BARN.

Disclaimer

This site makes available conceptual plans that can be helpful in developing building layouts and selecting equipment for various agricultural applications. These plans do not necessarily represent the most current technology or construction codes. They are not construction plans and do not replace the need for competent design assistance in developing safe, legal and well-functioning agricultural building system. The LSU Agriculture Center, the Mid-West Plan Service, the United States Department of Agriculture and none of the cooperating land-grant universities warranty these plans.