

FIG. 1

NATURAL VENTILATION OPENINGS RECOMMENDED

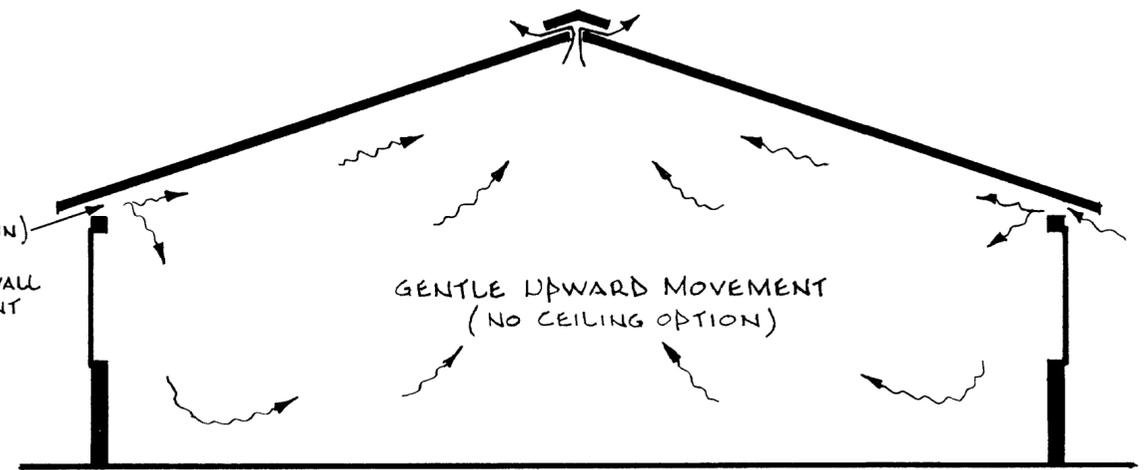


FIG. 2.

WINTER AIR MOVEMENT IN BUILDING
NO WIND OUTSIDE

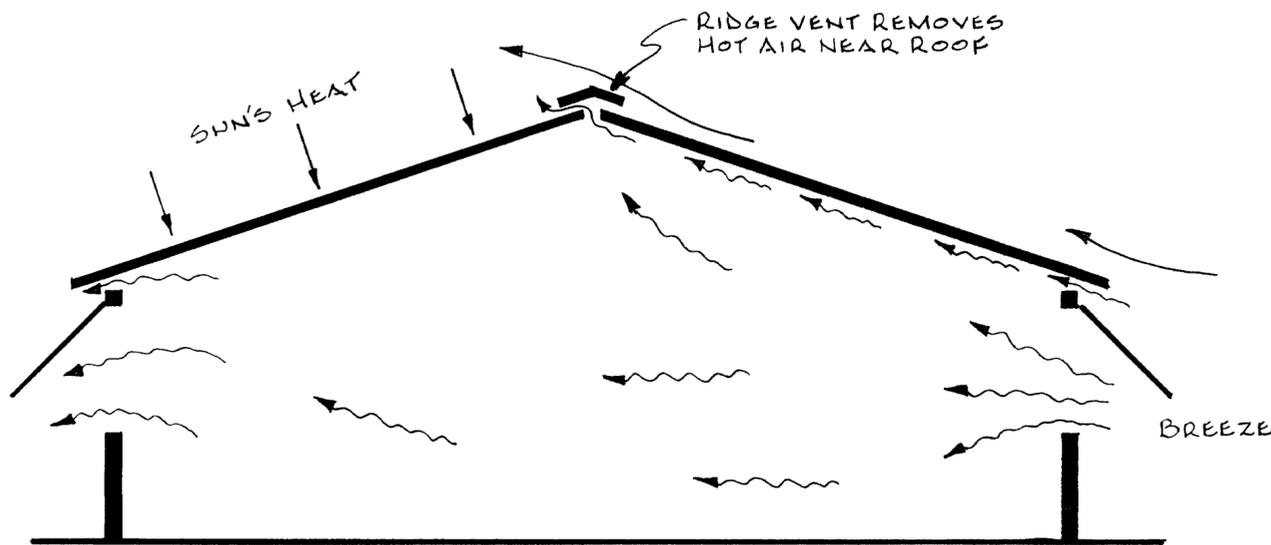


FIG. 3.

SUMMER AIR MOVEMENT
SIDEWALL VENTS OPEN
(NO CEILING OPTION)

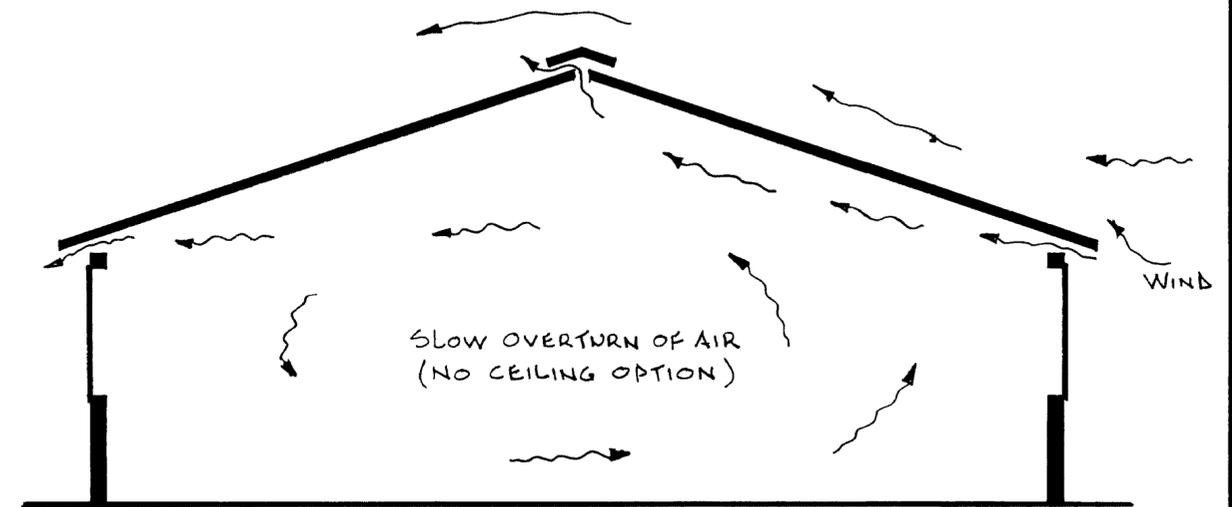
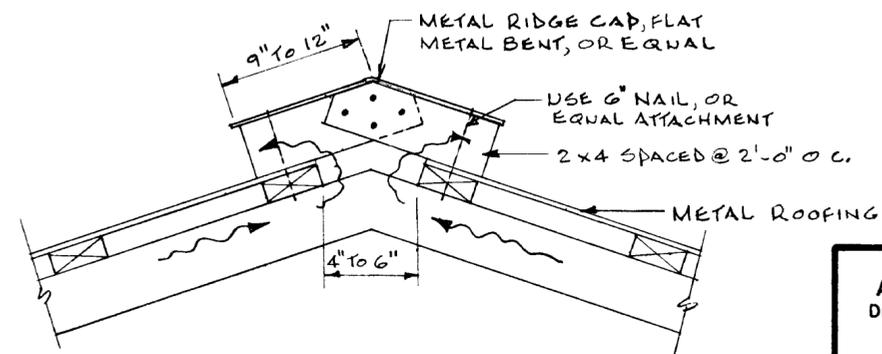


FIG. 4.

WINTER AIR MOVEMENT IN BUILDING
WIND BLOWING

VENTILATION REQUIREMENTS FOR COLD-TYPE, ENCLOSED ANIMAL BUILDINGS

- 1 RIDGE VENT OPENING - 4" to 6" OPENING FOR BUILDINGS UP TO 40' WIDE, OVER 40' WIDE - 1 1/4" PER 10' OF WIDTH.
- 2 EAVE VENT OPENING - 6" MINIMUM HEIGHT, BETWEEN RAFTERS BOTH SIDES OF BARN
- 3 OPENABLE PANELS, CURTAINS, OR WINDOWS - CONTINUOUS BOTH SIDES OF BARN 3' TO 4' HIGH, OR 1/2 SIDEWALL HEIGHT
- 4 RIDGE CAP - BENT METAL SPACED ABOVE ROOF OR EQUIVALENT COMMERCIAL DESIGN.
- 5 RIDGE CAP OPENING - 3" TO 4" UNDER CAP, BOTH SIDES, OR EQUIVALENT OPENING ON COMMERCIAL DESIGNS
- 6 WHITE PAINTED OR ALUMINUM ROOFING FOR REFLECTIVE COOLING IN SUMMER.
- 7 MOISTURE RESISTANT INSULATION UNDER ROOF OR AS CEILING TO PREVENT WINTER CONDENSATION AND BLOCK SUMMER RADIANT HEAT FROM ROOF



RIDGE CAP ATTACHMENT
WOOD FRAME BUILDING

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS DEPARTMENT OF AGRICULTURAL ENGINEERING COLLEGE OF AGRICULTURE UNIVERSITY OF KENTUCKY & U.S. DEPARTMENT OF AGRICULTURE COOPERATING	
NATURAL VENTILATION OPENINGS RECOMMENDED FOR COLD-TYPE ANIMAL BUILDINGS	
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