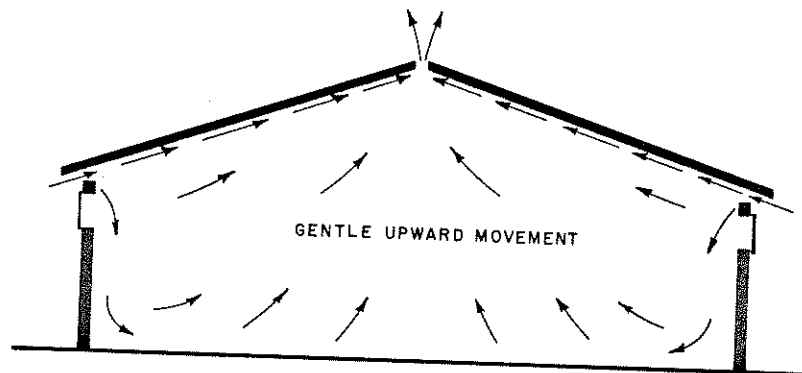


FIG. 1 OPENINGS REQUIRED



WINTER AIR MOVEMENT IN BARN  
FIG. 2 NO WIND OUTSIDE

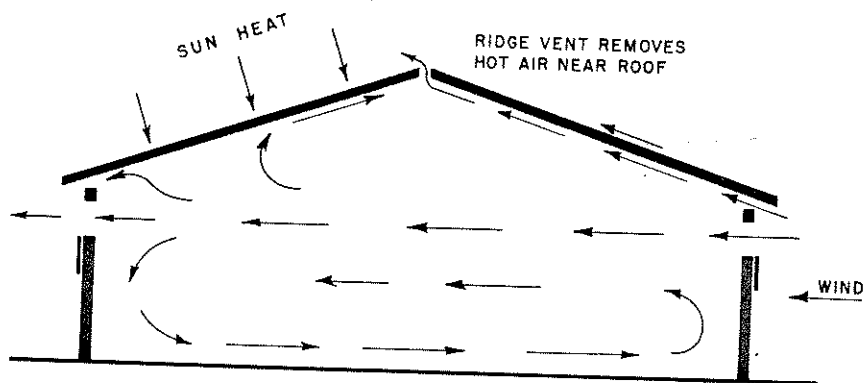


FIG. 3 SUMMER AIR MOVEMENT  
DROP PANELS OPEN

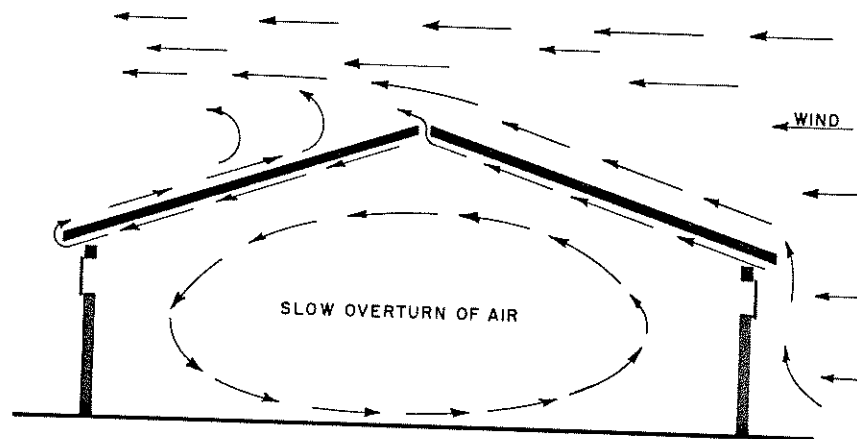


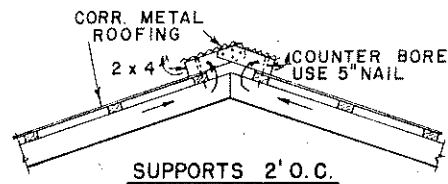
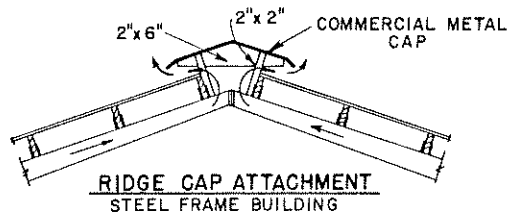
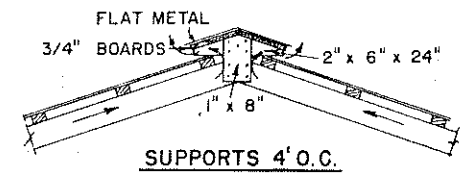
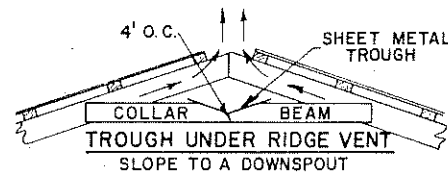
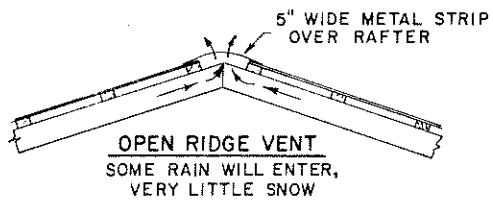
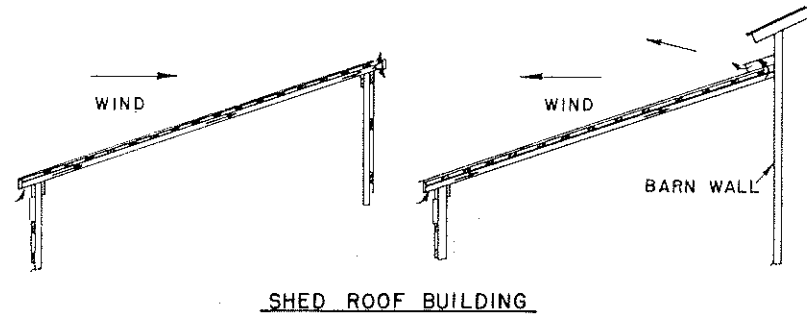
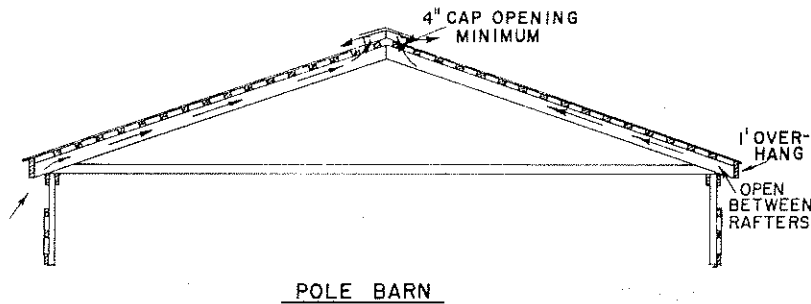
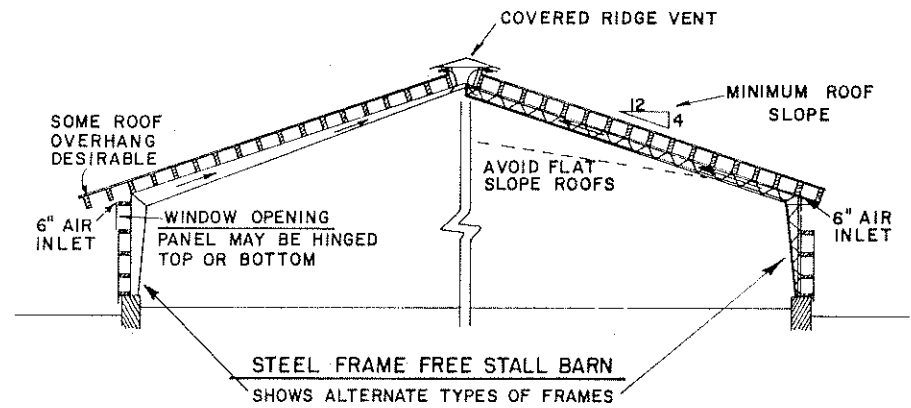
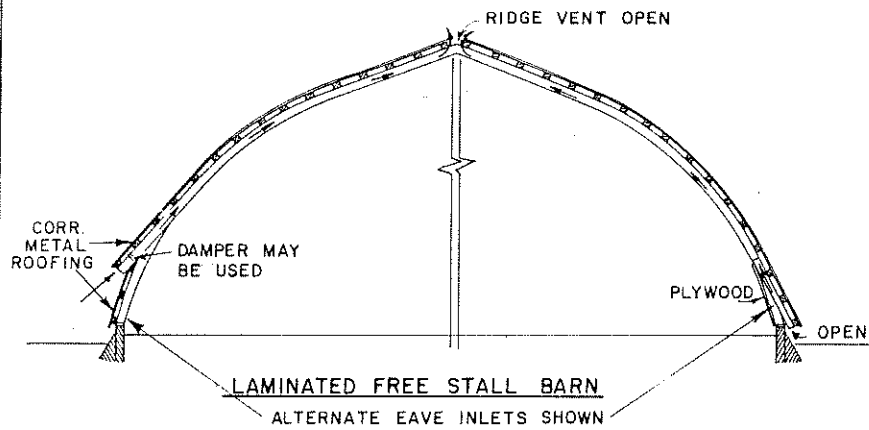
FIG. 4 WINTER AIR MOVEMENT IN BARN  
WIND BLOWING

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

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COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS DEPARTMENT OF AGRICULTURAL ENGINEERING UNIVERSITY OF MARYLAND AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING		
VENTILATION SYSTEM FOR COLD FREE STALL BARN		
P.A.	'71	6126
		SHEET 1 OF 2



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UNIVERSITY OF MARYLAND  
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**VENTILATION SYSTEM  
FOR COLD FREE STALL BARN**

PA. '71 6126 SHEET 2 OF 2