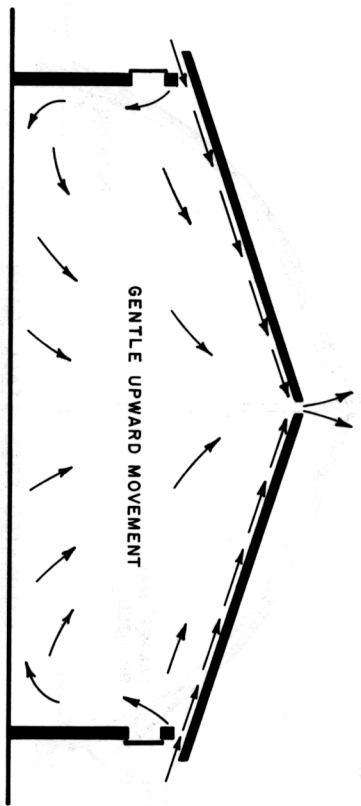
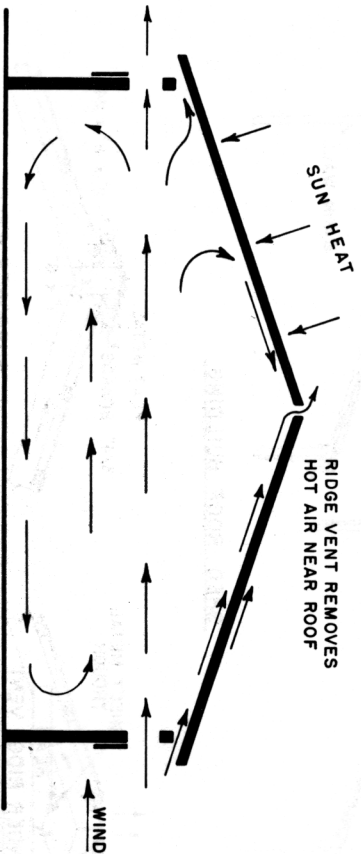


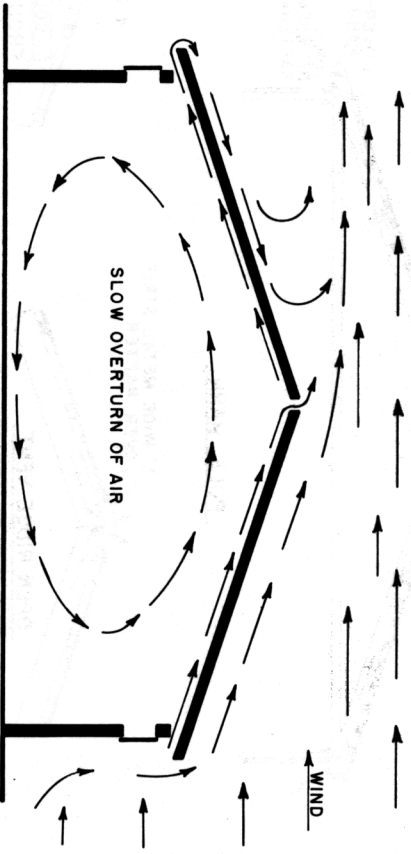
**FIG. 1 OPENINGS REQUIRED**



**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 BARNS**

1. RIDGE OPENING - 6" OPENING FOR BUILDINGS UP TO 40' WIDE (MINIMUM OPENING) (CONTINUOUS) OVER 40' WIDE - 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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DEPARTMENT OF AGRICULTURAL ENGINEERING			
UNIVERSITY OF MARYLAND			
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING			
<b>VENTILATION SYSTEM</b>			
<b>FOR COLD FREE STALL BARNS</b>			
PA.	'71	6126	SHEET 1 OF 2