

MWPS-72358

Warm Dairy Barn

41 Free Stalls

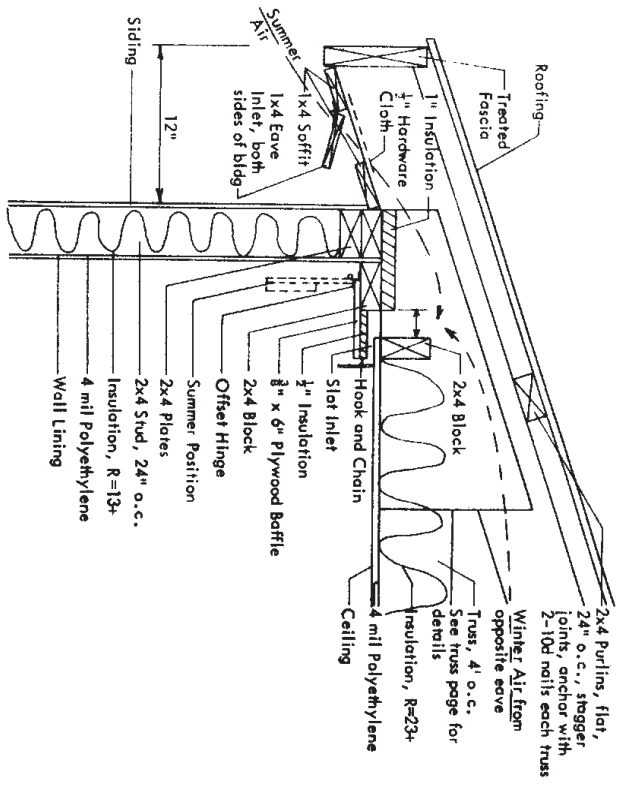
CAUTION!

Additional professional services will be required to tailor this plan to your situation, including but not limited to: assurance of compliance with codes and regulations; review of specifications for materials and equipment; supervision of site selection, bid letting and construction; and provision for utilities, waste management, roads or other access. **Furthermore, any deviation from the given specifications may result in structural failure, property damage, and personal injury including loss of life.**

WARRANTY DISCLAIMER

This plan provides conceptual information only. **Neither midwest plan service nor any of the cooperating land-grant universities, or their respective agents or employees, have made, and do not hereby make, any representation, warranty or covenant with respect to the specifications in this plan.** Additional professional services will be required to tailor this plan to your situation, including but not limited to: assurance of compliance with codes and regulations; review of specifications for materials and equipment; supervision of site selection, bid letting and construction; and provision for utilities, waste management, roads or other access.

MIDWEST PLAN SERVICE
Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating
Warm Dairy Barn-41 Free Stalls
Title Page
MIDWEST PLAN NO. 72358



AIR INLET DETAIL—1/2

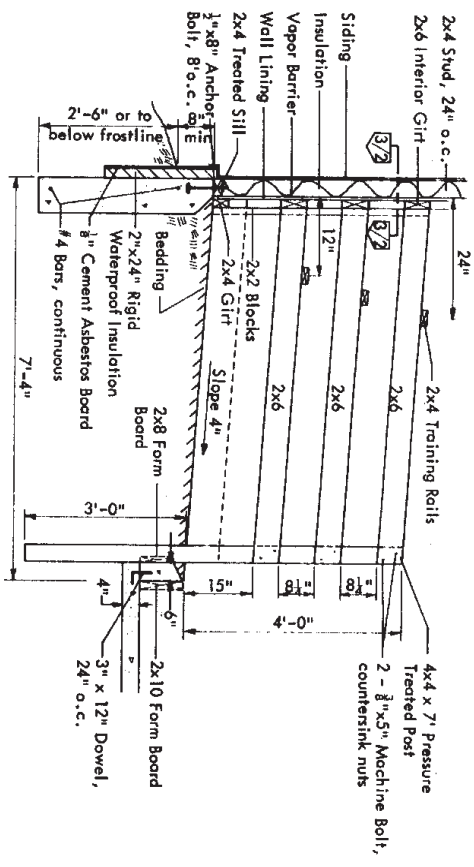
Install eave inlet along both long walls. Install slot inlet along the long wall toward the prevailing winter winds. Install fans, and 12' of slot inlet near the corners, along the other long wall.

Summer: Open eave inlet next to slot inlet to draw air directly into building. Drop slot inlet baffle.

Winter: Close eave inlets. All air to be drawn in through attic louvers. Fasten slot inlet baffle in "up" position to force cold air across ceiling.

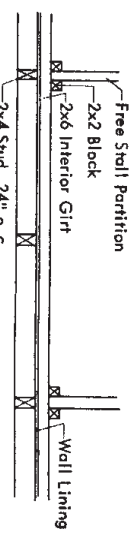
Hold vent doors and baffles in position with hooks and eyes.

Slot Opening: "W".

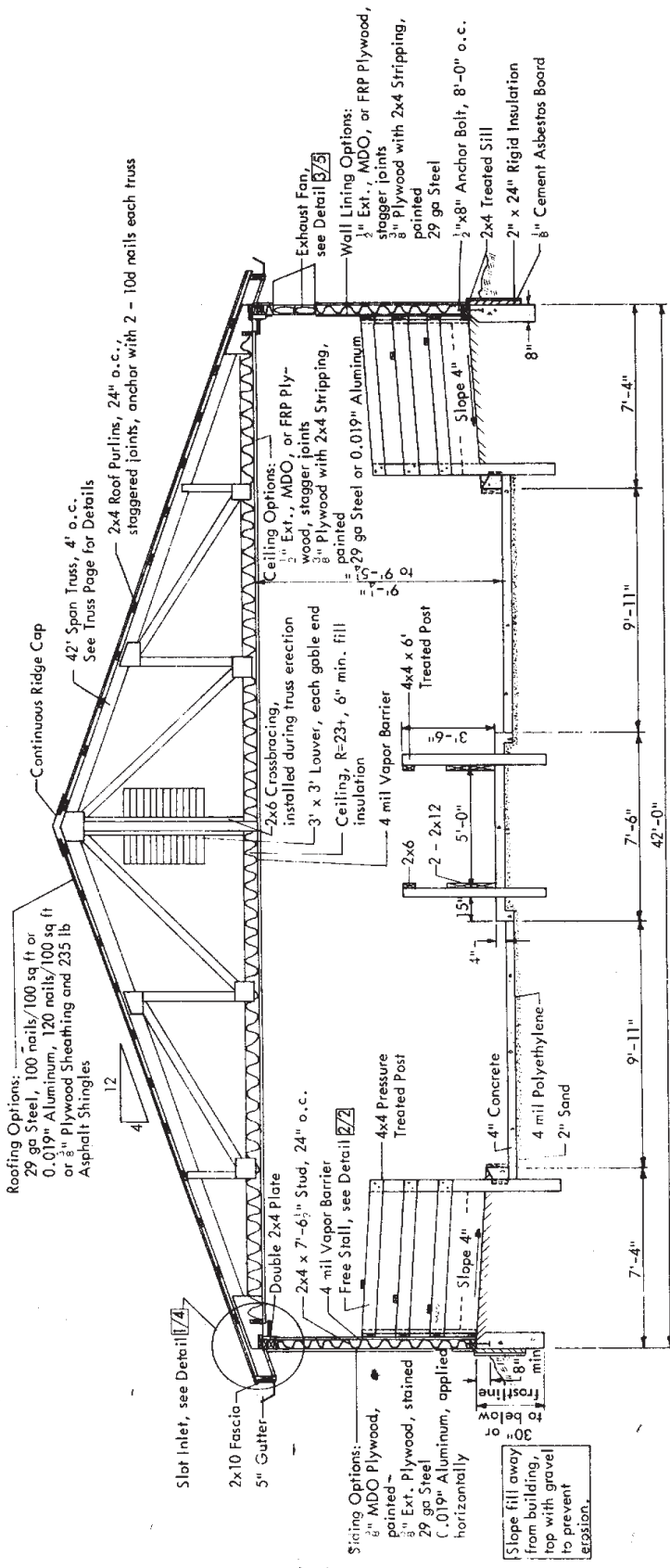


FREE STALL DETAIL—2/2

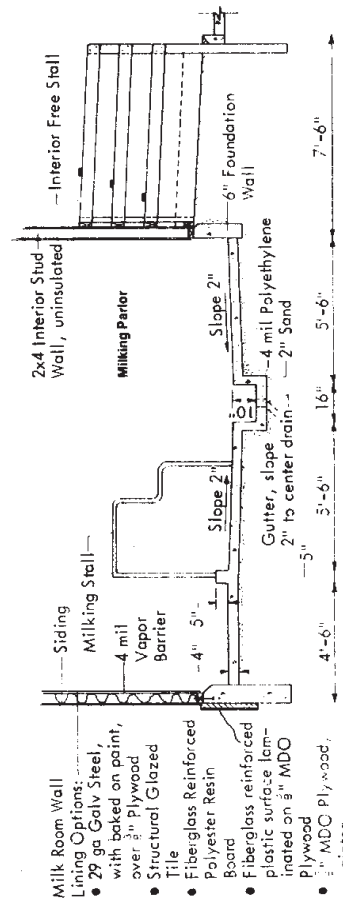
Install 2x4 training rails if cows turn in stalls or deposit manure at back of stall—3 rails will force the cow to move back as it gets up so its shoulders can't get caught under the top rails. Install 2x8 bottom stall partition board if cows move fill and bedding from stall to stall causing deep holes in stalls.



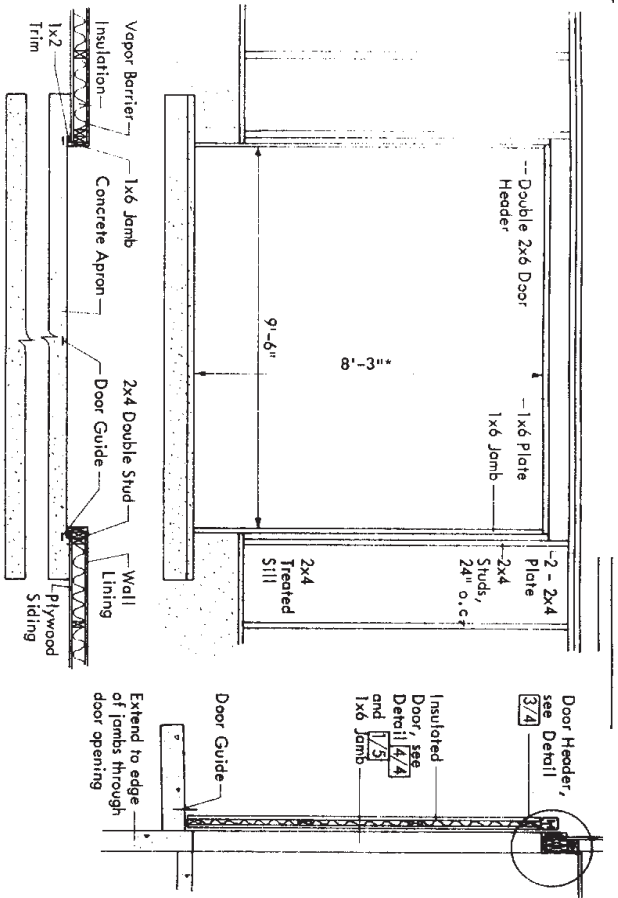
SECTION—3/2



BUILDING CROSS SECTION—1/3



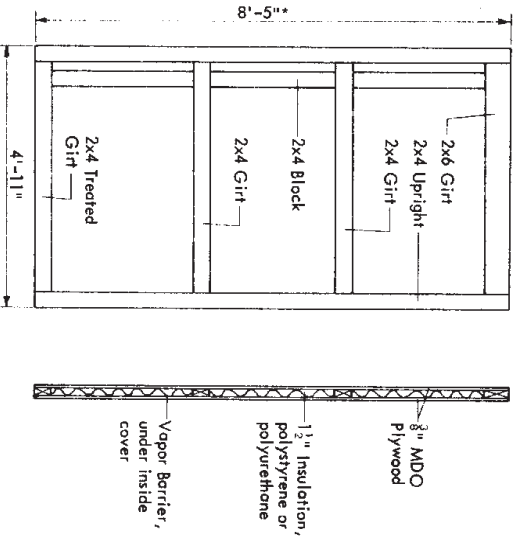
MILKING PARLOR CROSS SECTION—2/3



*Increase dimensions by 5" at low end of sloped alley.

ENDWALL SLIDING DOOR FRAMING—1/4

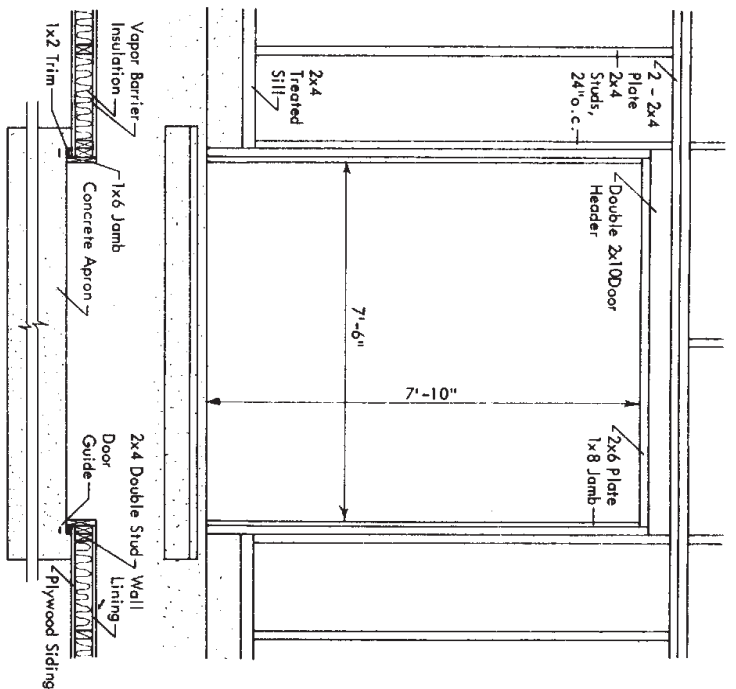
Seal trim, door track and flashing with latex caulking.



Cover both sides with 2 1/2 sheets of 3/8" MDO plywood.

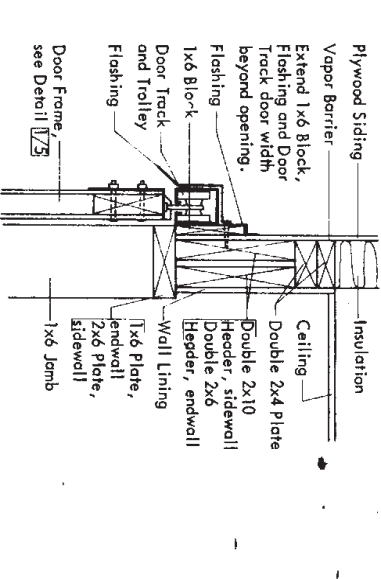
*Increase dimensions by 5" at low end of sloped alley.

ENDWALL SLIDING DOOR FRAME—4/4



SIDEWALL SLIDING DOOR FRAMING—2/4

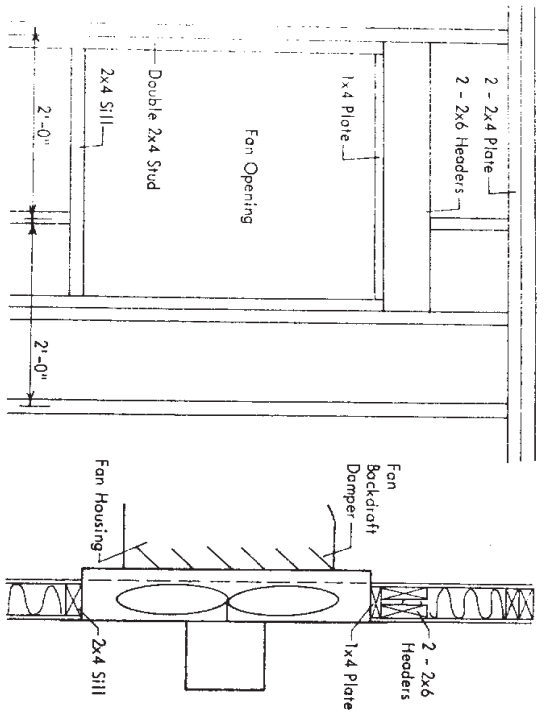
Seal trim, door track and flashing with latex caulking.



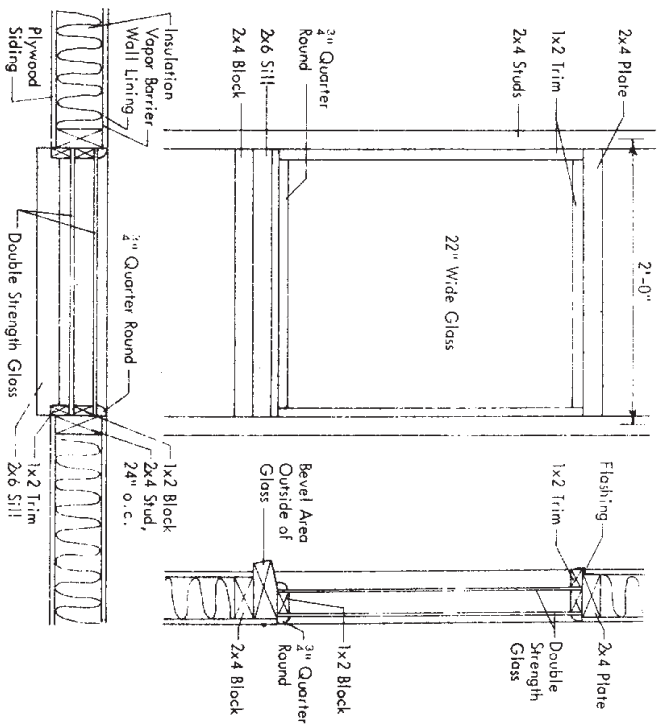
ENDWALL SLIDING DOOR HEADER DETAIL—3/4

Seal door track and flashing with latex caulking.

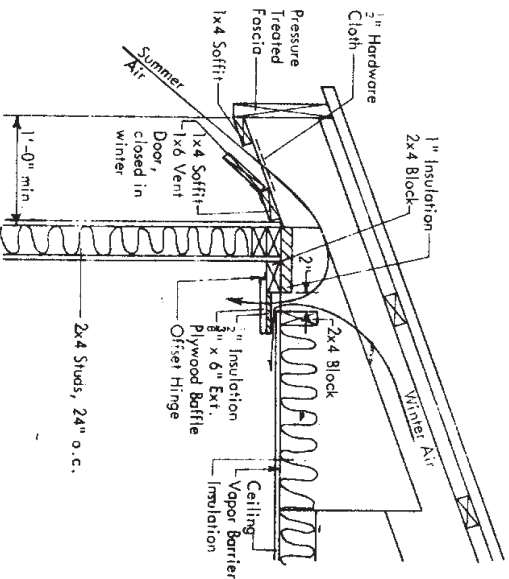
MIDWEST PLAN SERVICE			
Cooperative Extension & Research in Agriculture & Home Economics in the 12 North Central Universities—USDA Cooperating			
WARM DAIRY BARN			
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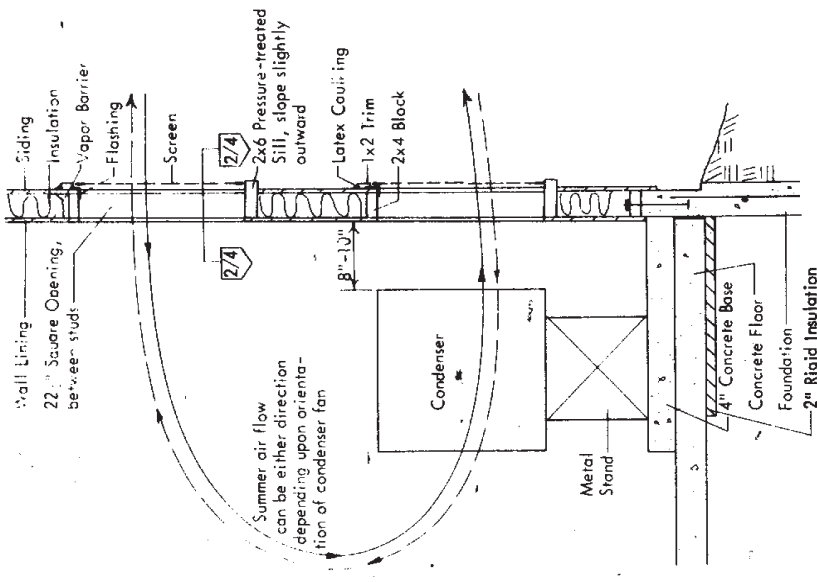
FAN OPENING FRAMING 1/6
Seal fan housing with latex caulking.



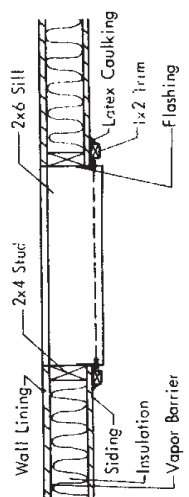
FIXED WINDOW FRAMING 2/6
Seal trim and quarter round with latex caulking.



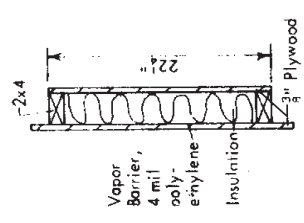
AIR INLET DETAIL 3/6



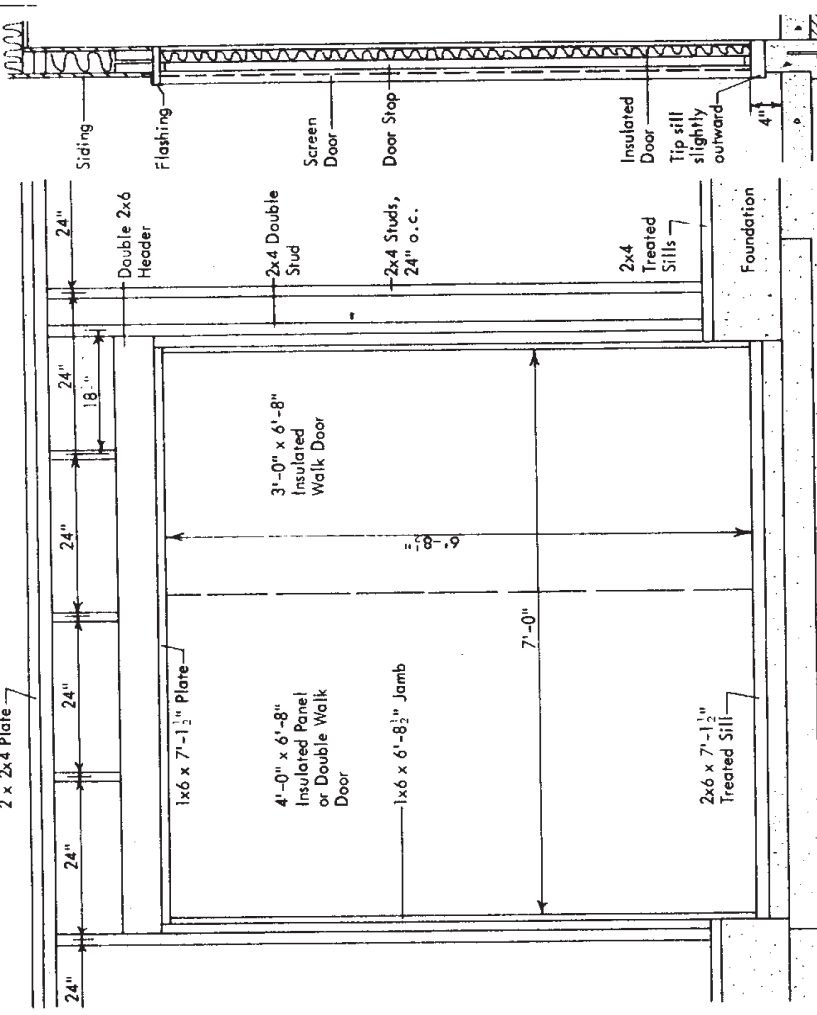
CONDENSER VENTILATION DETAIL—1/4



SECTION—2/4



REMOVABLE WALL PANEL—3/4
Install in screened opening in cold weather so condenser heat remains in milkhouse.



WALK DOOR AND REMOVABLE PANEL DETAIL—4/4
Seal trim and flashing with latex caulking.

