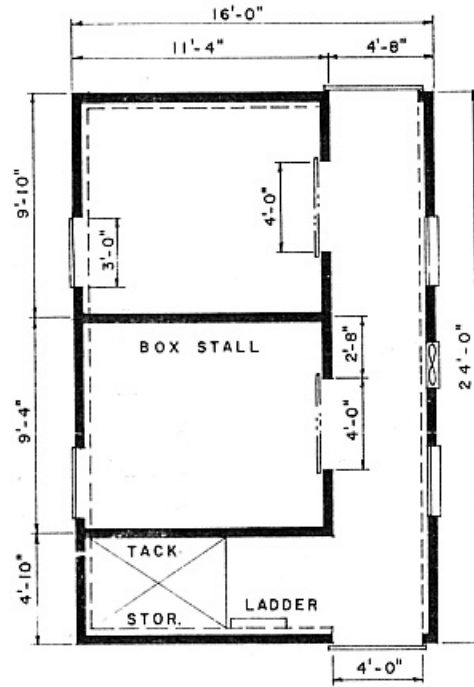
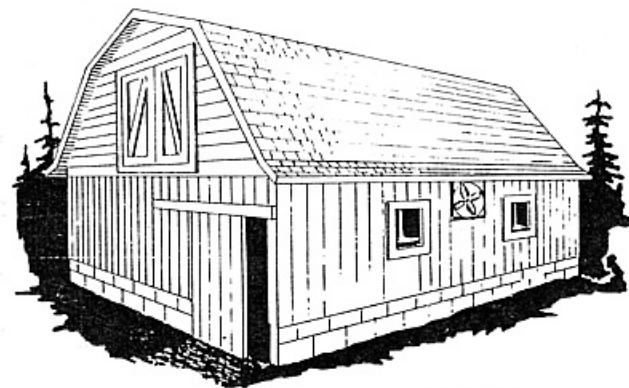


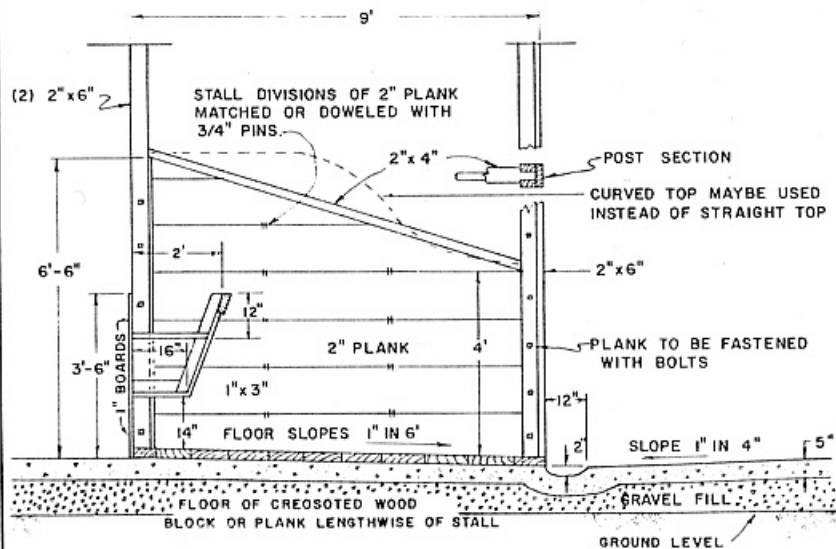
TIE STALL FLOOR PLAN



BOX STALL FLOOR PLAN

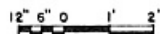


PERSPECTIVE



NOTE: STALLS 5' WIDE
FEED BOX 12" WIDE

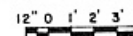
TIE STALL CROSS SECTION



NOTES:

- VENTILATION --- PROVIDE 100 cfm PER HORSE WITH SMALL VENTILATION FAN. PROVIDE AIR INLET - 12 HOLES DRILLED THROUGH HAY MOW FLOOR 3/4" IN DIAMETER FOR EACH HORSE. LOCATE HOLES CLOSE TO OUTSIDE WALL OPPOSITE FAN. CONTROL FAN PREFERABLE WITH THERMOSTAT SET AT 40° TO 42° F DURING WINTER MONTHS. OPERATE FAN MANUALLY DURING EXTENDED COLD SPELLS IF FROST APPEARS IN BARN AS HUMIDITY BECOMES EXTREMELY HIGH.
- HAY STORAGE --- OVERHEAD MOW PROVIDES STORAGE FOR APPROXIMATELY 125 BALES OR 3 1/2 TO 4 TONS OF HAY. CLOSE TRAP DOOR TO HAY MOW DURING COLD MONTHS OF YEAR.
- WATER --- PROVIDE OUTSIDE WATERING TANK FOR TIE STALL ARRANGEMENT. PROVIDE INSIDE FROST PROOF HYDRANT WITH BOX STALLS - WATER HORSES WITH BUCKET.
- LIGHTS --- PROVIDE AT LEAST 2 OVERHEAD LIGHTS FOR EACH ALLEY AND HAY MOW. ALSO PROVIDE LIGHTS NEAR LADDER AND TACK STORAGE AREA.
- DOORS --- ALL DOORS TO OUTSIDE SHOULD BE 4 FEET WIDE. OUTSIDE DOORS TO BOX STALLS ARE OPTIONAL.
- ROOF --- EITHER ASPHALT SHINGLES OR METAL CAN BE USED FOR ROOF. (SEE DETAILS ON SHEET 2).

NOTE: CONSULT LOCAL HEALTH AND BUILDING CODE AUTHORITIES BEFORE STARTING CONSTRUCTION.

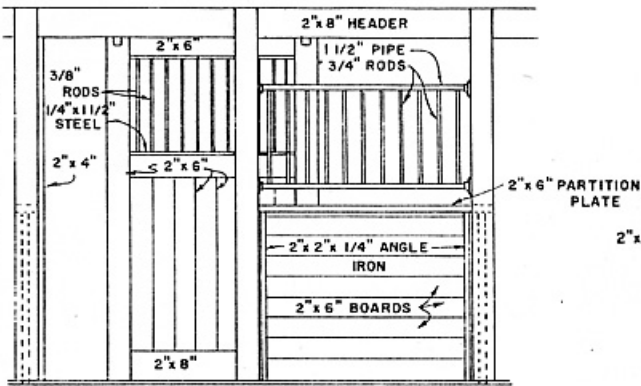


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AGRICULTURAL ENGINEERING DEPARTMENT
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HORSE BARN
GAMBREL ROOF

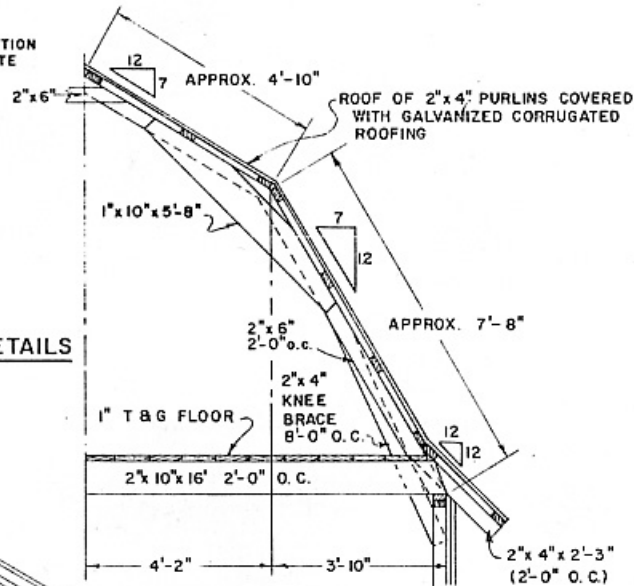
MICH. '76 6 262 SHEET 1 OF 2

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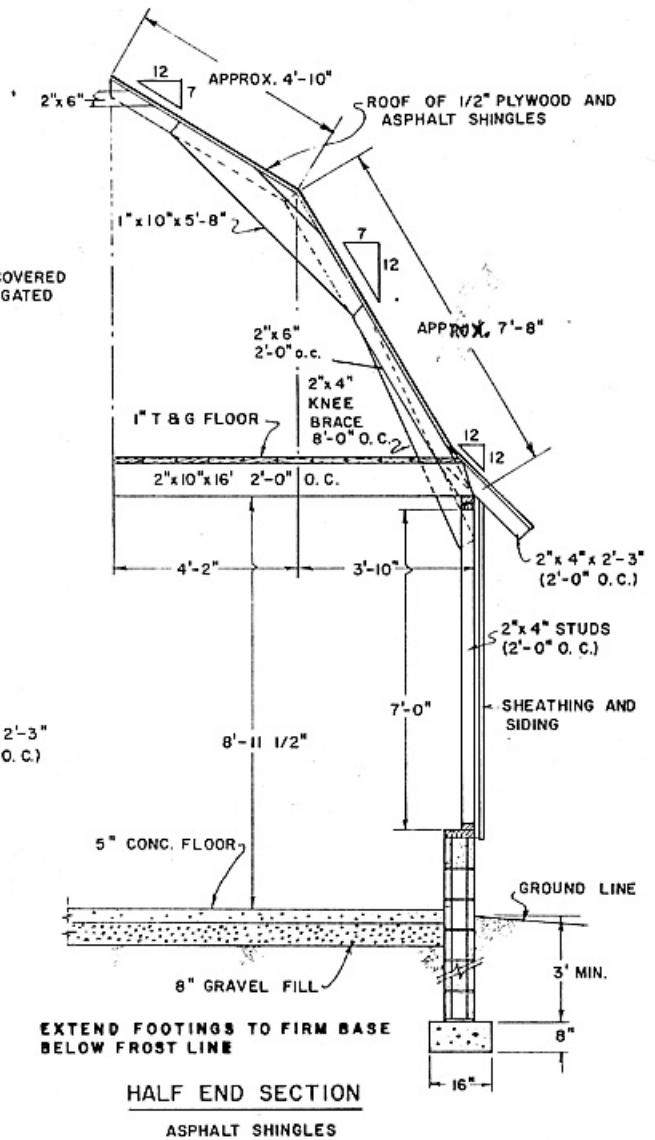
FRONT VIEW

BOX STALL DETAILS



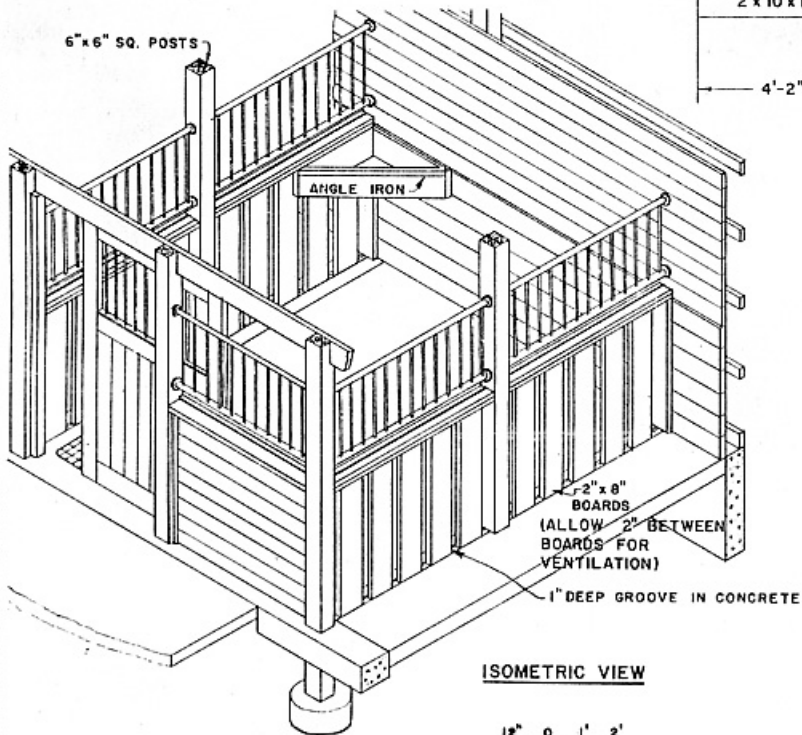
HALF END SECTION

GALVANIZED CORRUGATED ROOFING

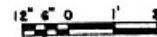
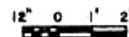


HALF END SECTION

ASPHALT SHINGLES



ISOMETRIC VIEW



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HORSE BARN
GAMBREL ROOF

MICH. '76 6 2 6 2 SHEET 2 OF 2