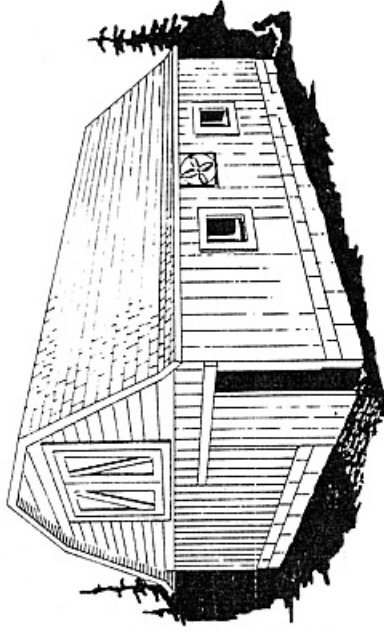


TIE STALL FLOOR PLAN

BOX STALL FLOOR PLAN

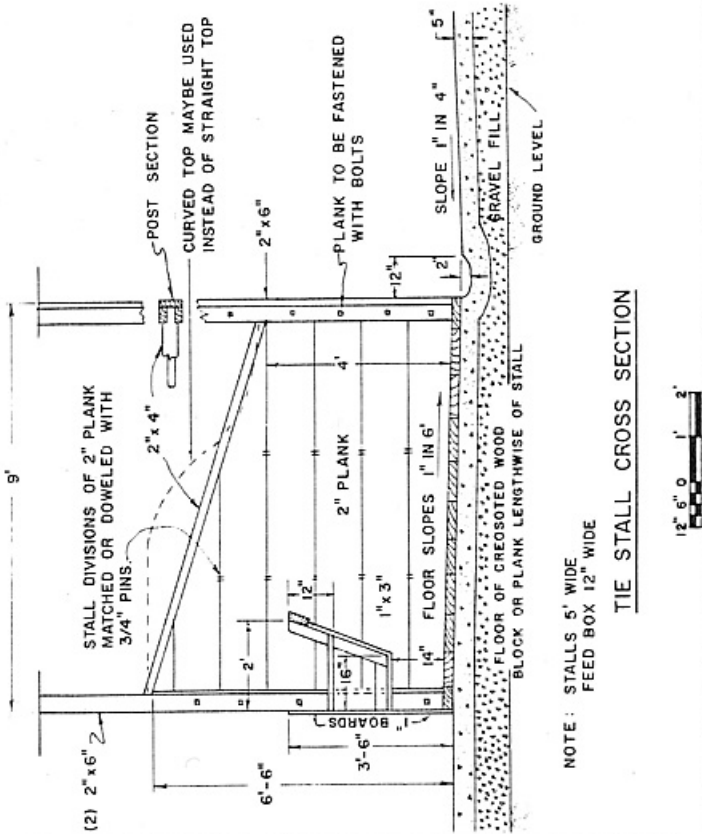


PERSPECTIVE

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.
- WATER --- CLOSE TRAP DOOR TO HAY. MOW DURING COLD MONTHS OF YEAR. PROVIDE OUTSIDE WATERING TANK FOR THE STALL ARRANGEMENT. PROVIDE INSIDE FROST 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.



TIE STALL CROSS SECTION

NOTE: STALLS 5' WIDE FEED BOX 12" WIDE

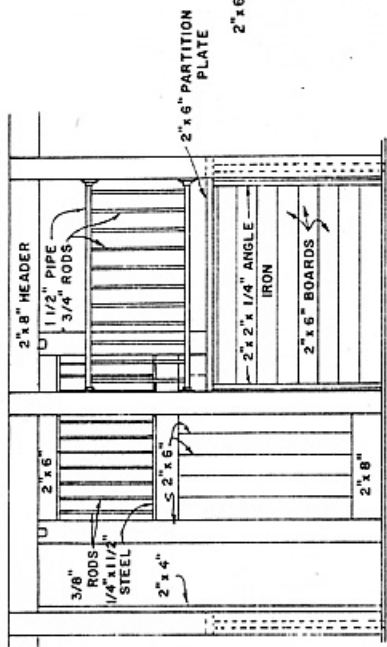


BASED ON: MICH. STATE UNIV. PLAN NO. 722-C1-13

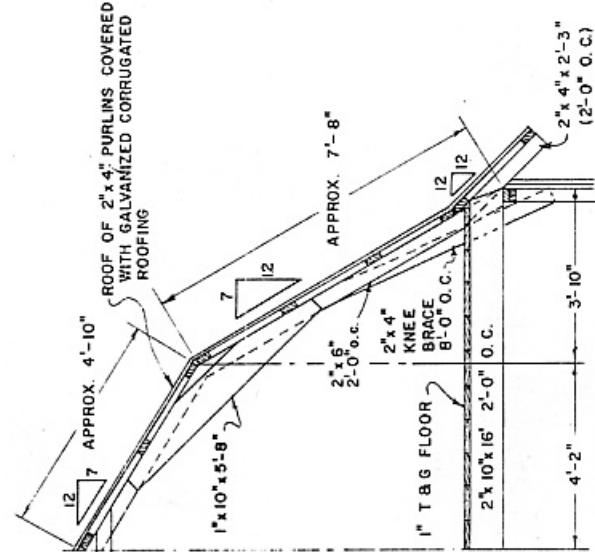
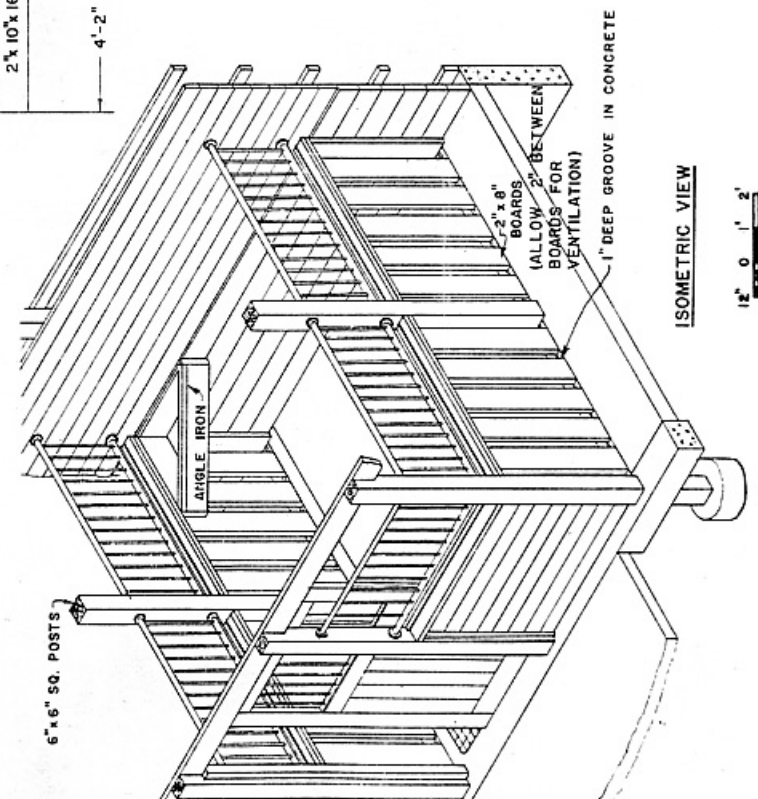
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 AGRICULTURAL ENGINEERING DEPARTMENT
 UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

HORSE BARN
 GAMBREL ROOF

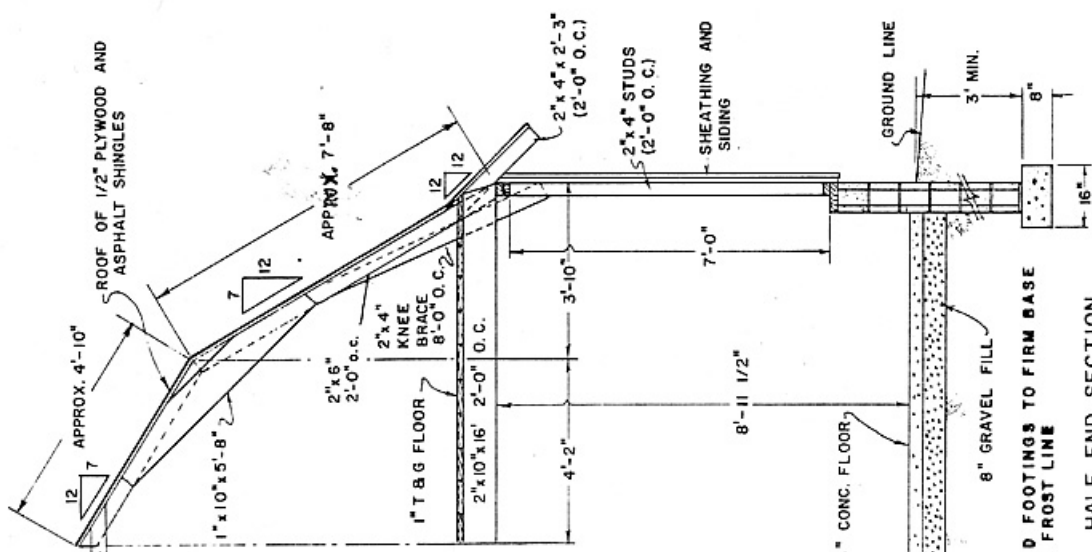
MICH. '76 6 2 62 SHEET 1 OF 2



BOX STALL DETAILS



HALF END SECTION
GALVANIZED CORRUGATED ROOFING



HALF END SECTION
ASPHALT SHINGLES

