

PERSPECTIVE

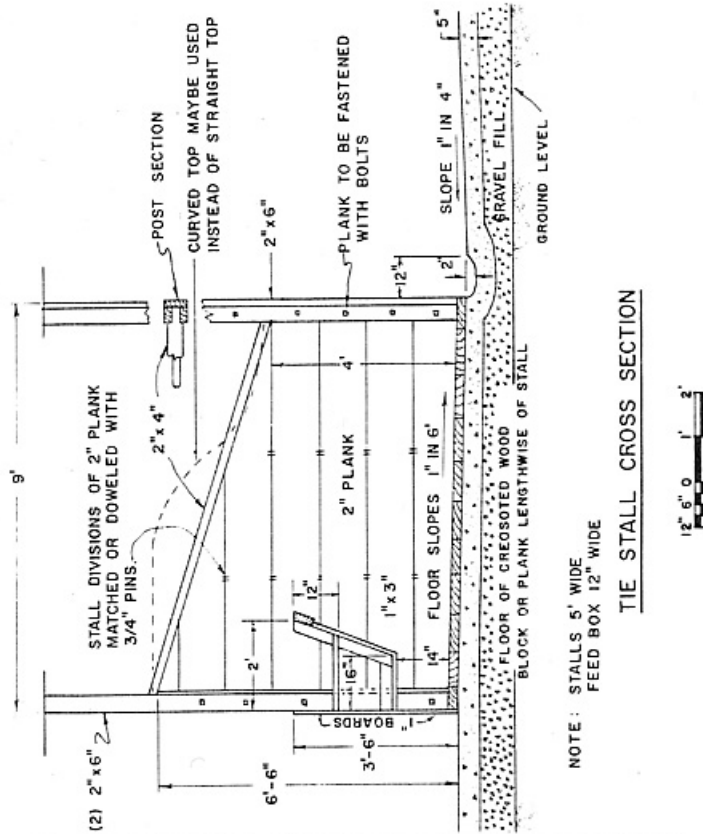
TIE STALL FLOOR PLAN

BOX STALL FLOOR PLAN

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

COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
UNIVERSITY OF TENNESSEE
AGRICULTURAL ENGINEERING DEPARTMENT
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

HORSE BARN
GAMBREL ROOF

MICH. '76 6 2 62 SHEET 1 OF 2

