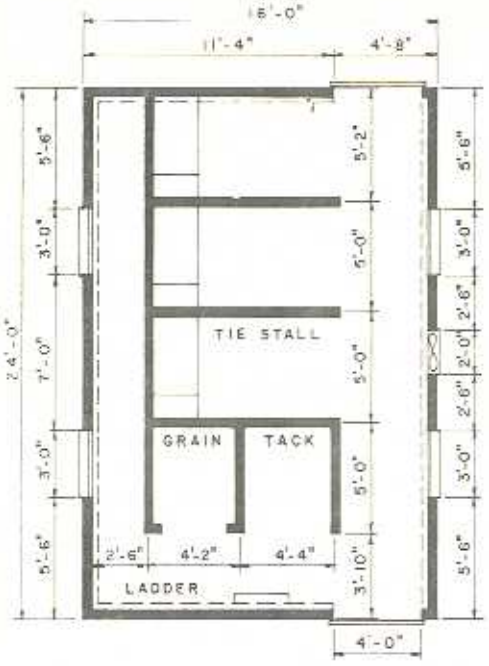
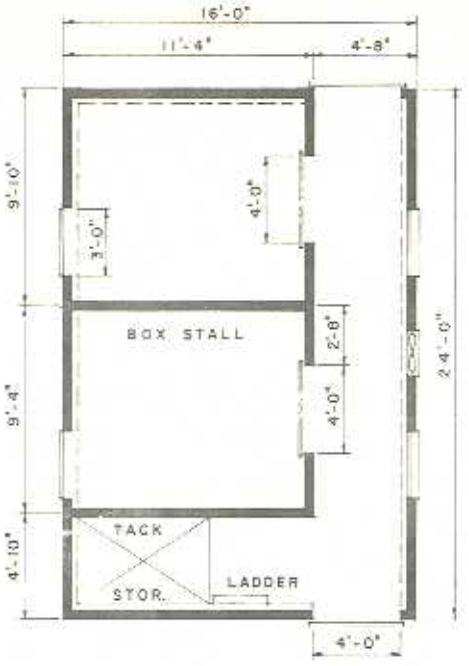
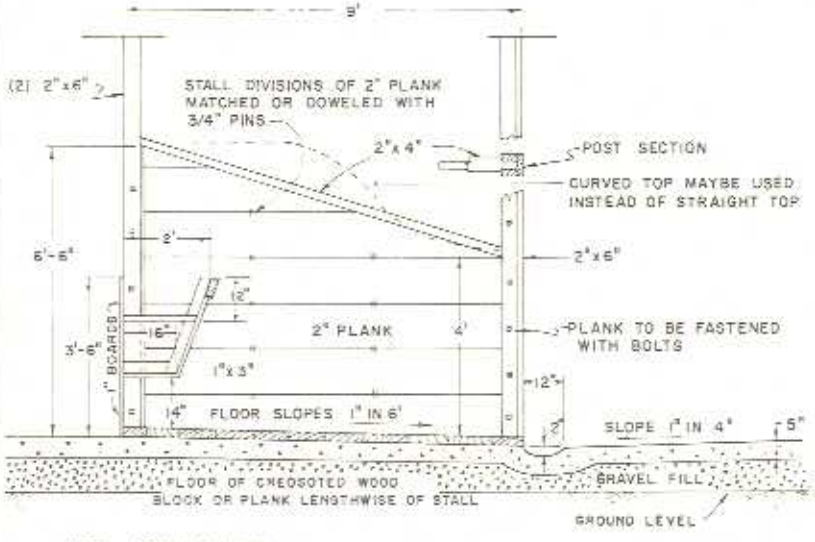


TIE STALL FLOOR PLAN



BOX STALL FLOOR PLAN

PERSPECTIVE



NOTE: STALLS 5' WIDE
FEED BOX 12" WIDE

TIE STALL CROSS SECTION

12" 6" 0 1' 2'

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.

12" 0 1' 2' 3' 4'

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

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

HORSE BARN
GAMBREL ROOF

MICH. '76	6262	SHEET 1 OF 2