TIE STALL FLOOR PLAN

BOX STALL FLOOR PLAN

NOTES:

VENTILATION — PROVIDE 100 s.f. PER HORSE WITH SMALL VENTILATION FAN.
PROVIDE AIR INLET — 12 HOLES DRILLED THROUGH HAY NOW FLOOR 3/4" IN DIAMETER
FOR EACH HORSE. LOCATE HOLES CLOSE TO OUTSIDE WALL OPPOSITE FAN.
CONTROL FAN PREFERABLY 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 NOW PROVIDES STORAGE FOR APPROXIMATELY 125 BALEs OR 3 1/2 TO
4 TONS OF HAY.
CLOSE TRAP DOOR TO HAY NOW 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 NOW 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.

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

HORSE BARN
GAMBREL ROOF

BASED ON: MICH. STATE UNIV.
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MICH. ’76 6262 SHEET 1 OF 2