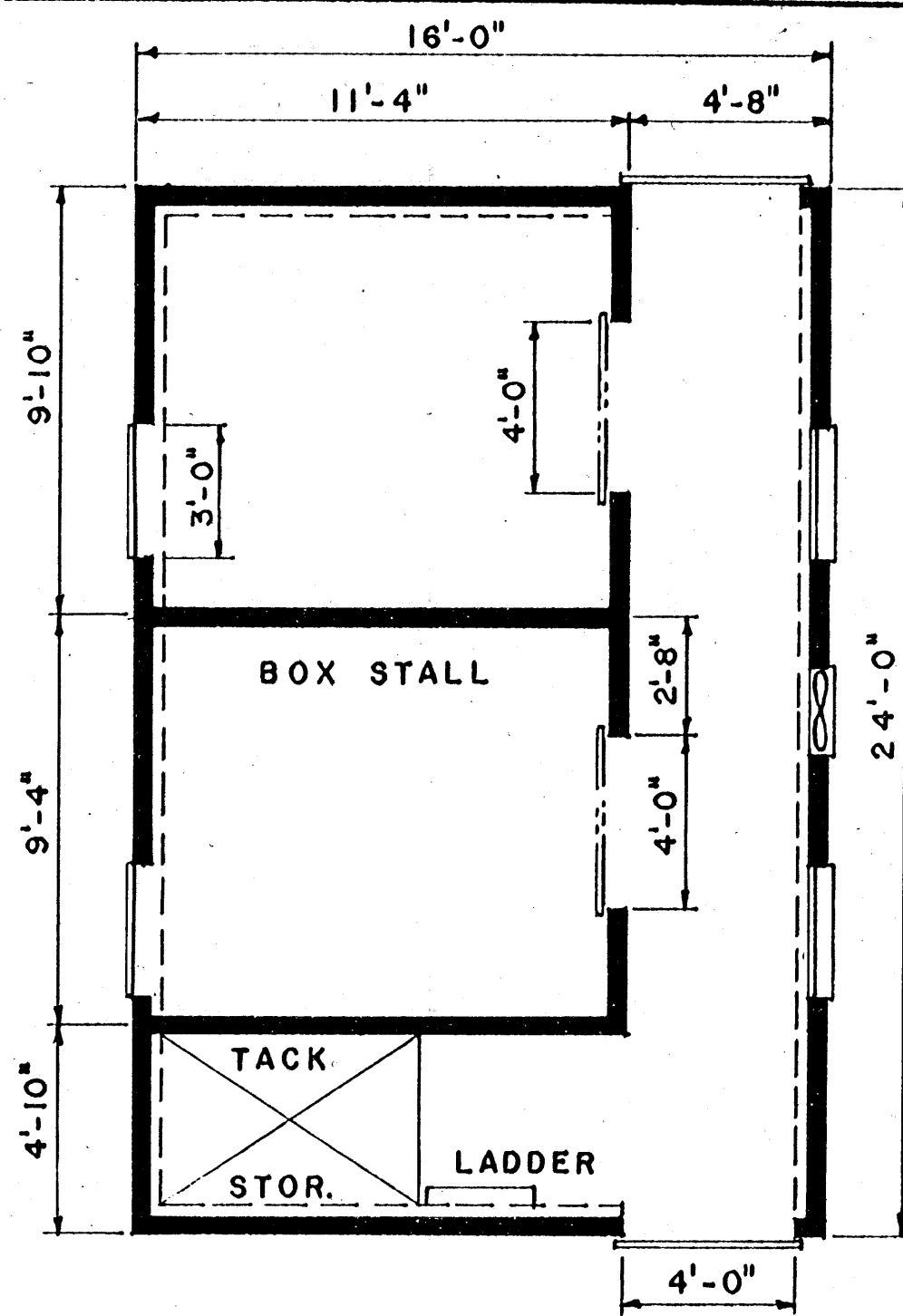
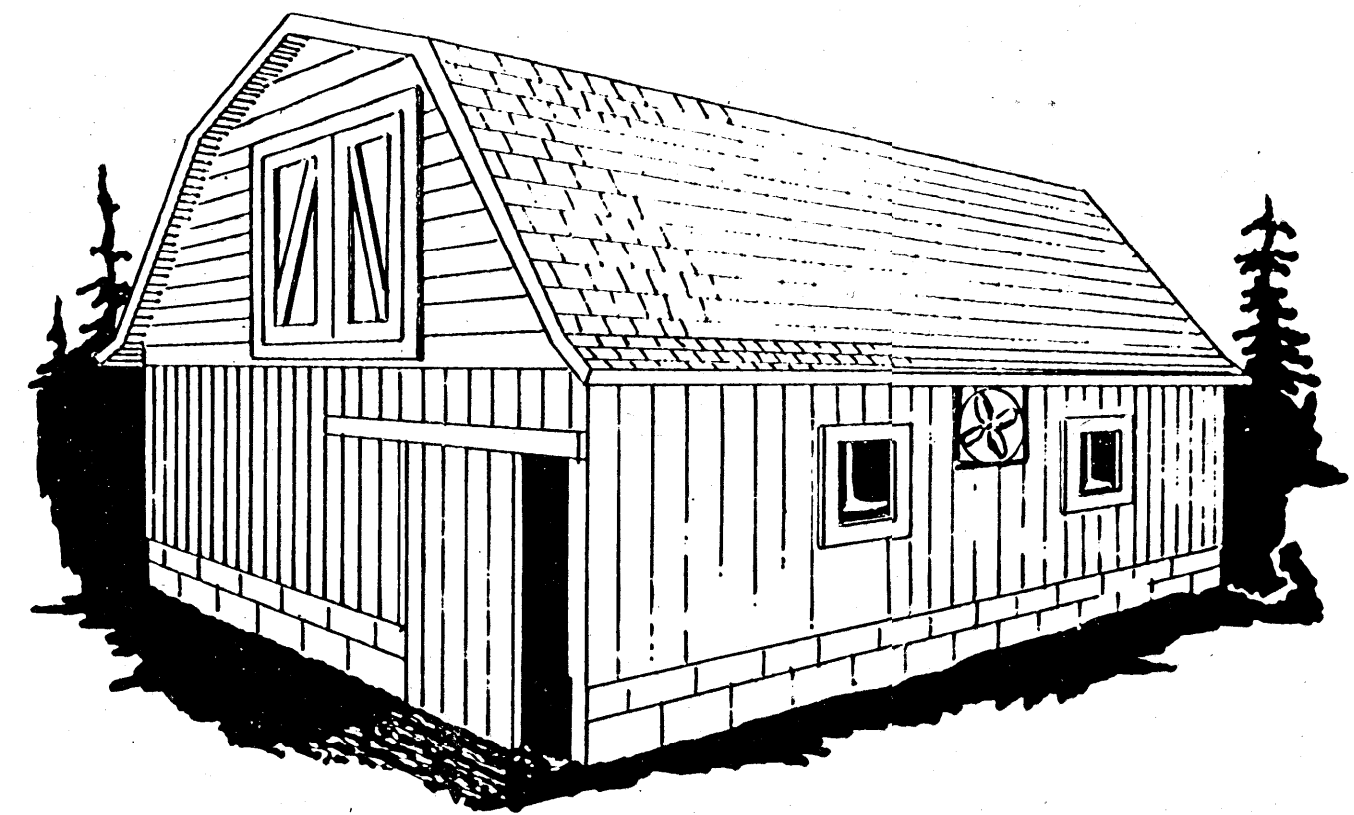


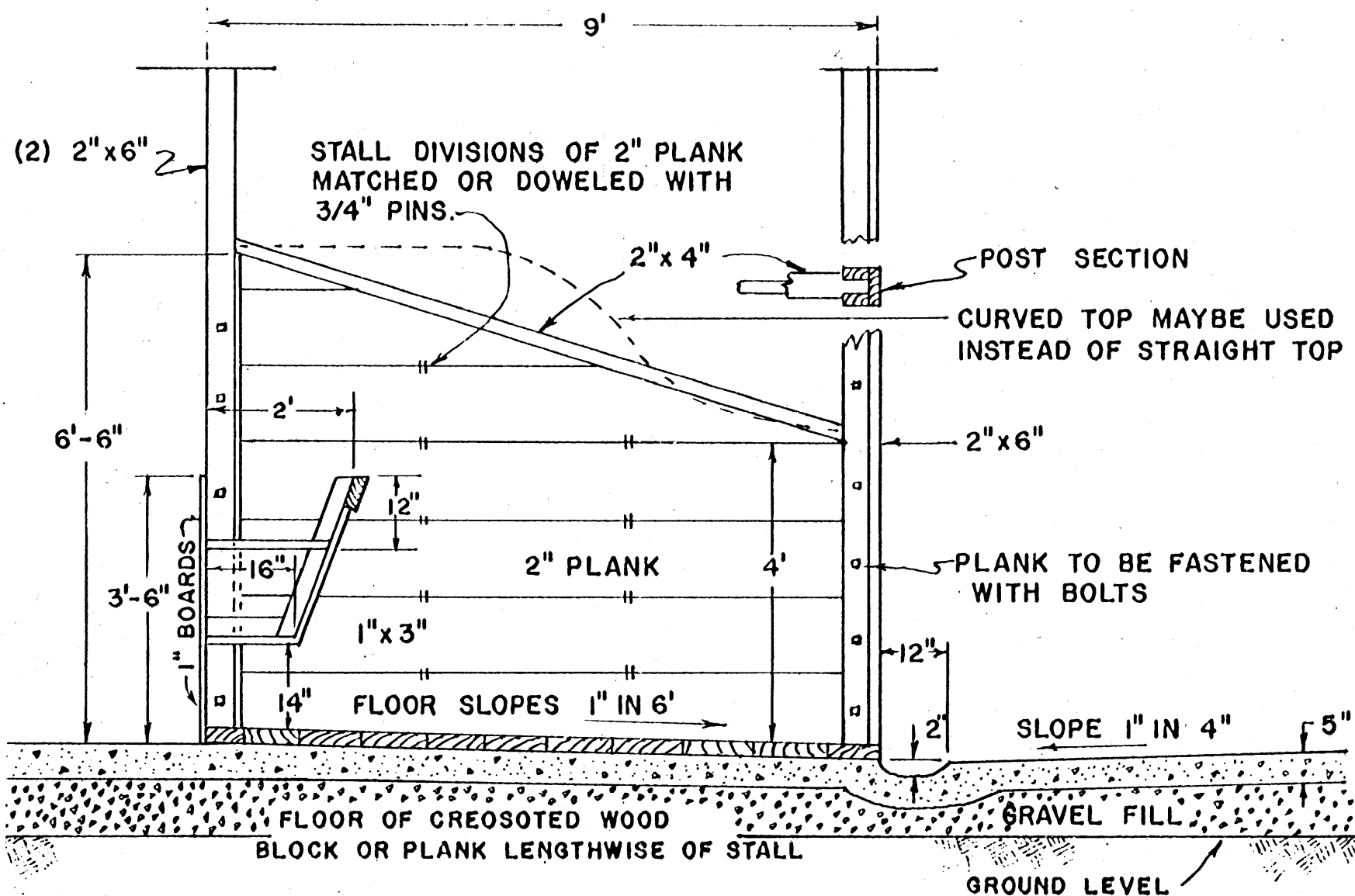
TIE STALL FLOOR PLAN



BOX STALL FLOOR PLAN



PERSPECTIVE



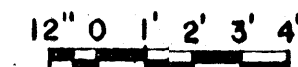
TIE STALL CROSS SECTION

SCALE 1/2" = 1'-0"  
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.

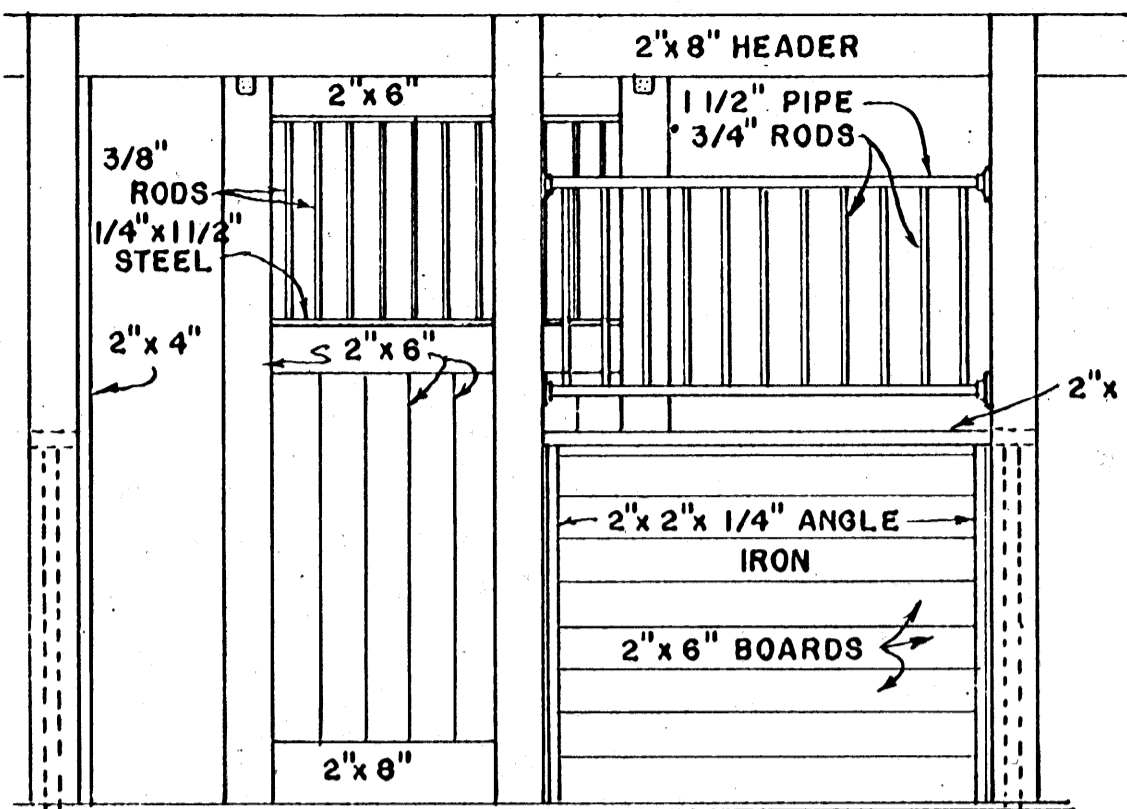


SCALE: 1/4" = 1'-0" UNLESS OTHERWISE NOTED.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS  
STATE OF MISSISSIPPI  
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AND  
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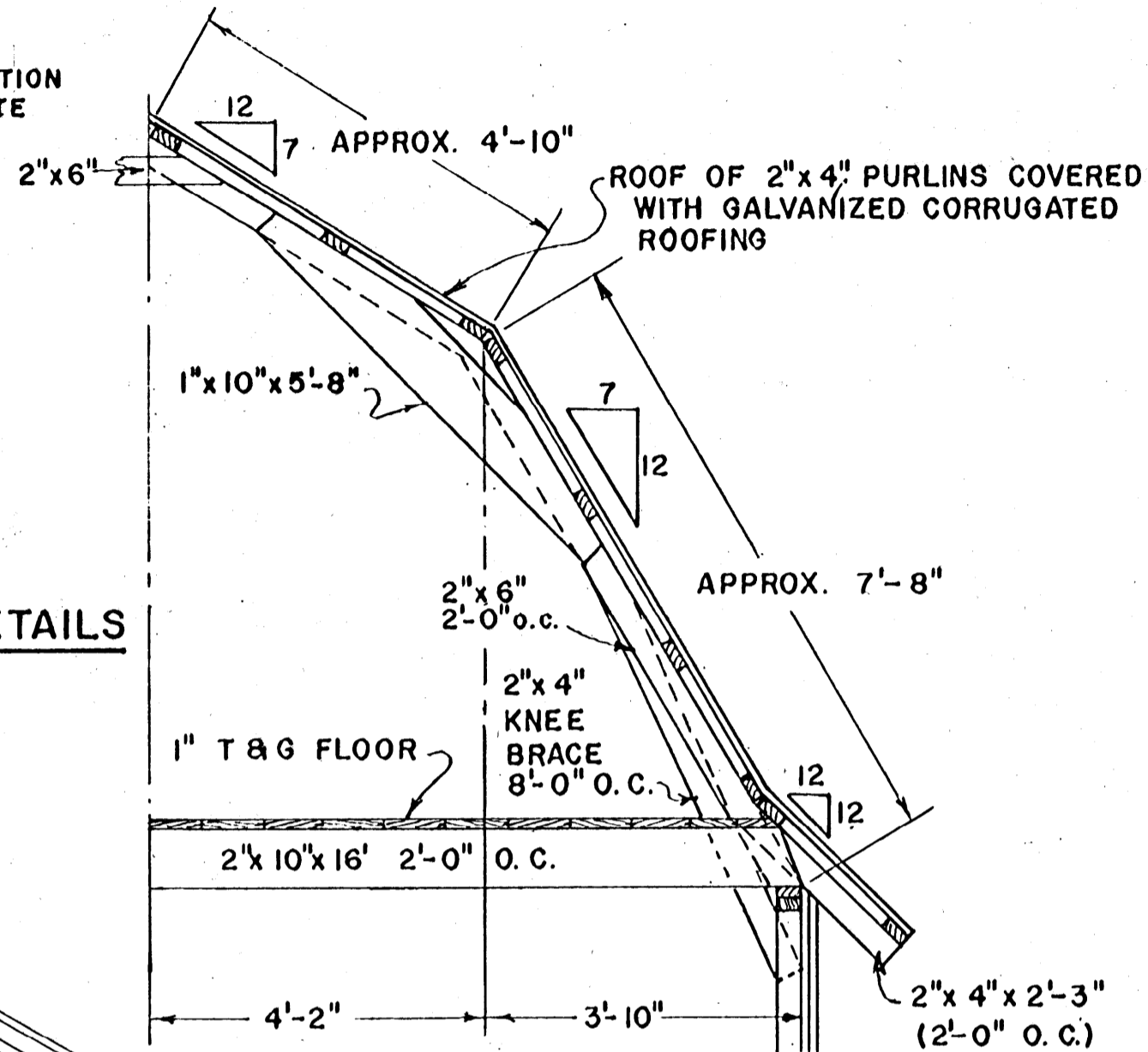
**HORSE BARN**  
**GAMBREL ROOF**  
MICH. '76 6 262 SHEET 1 OF 2

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



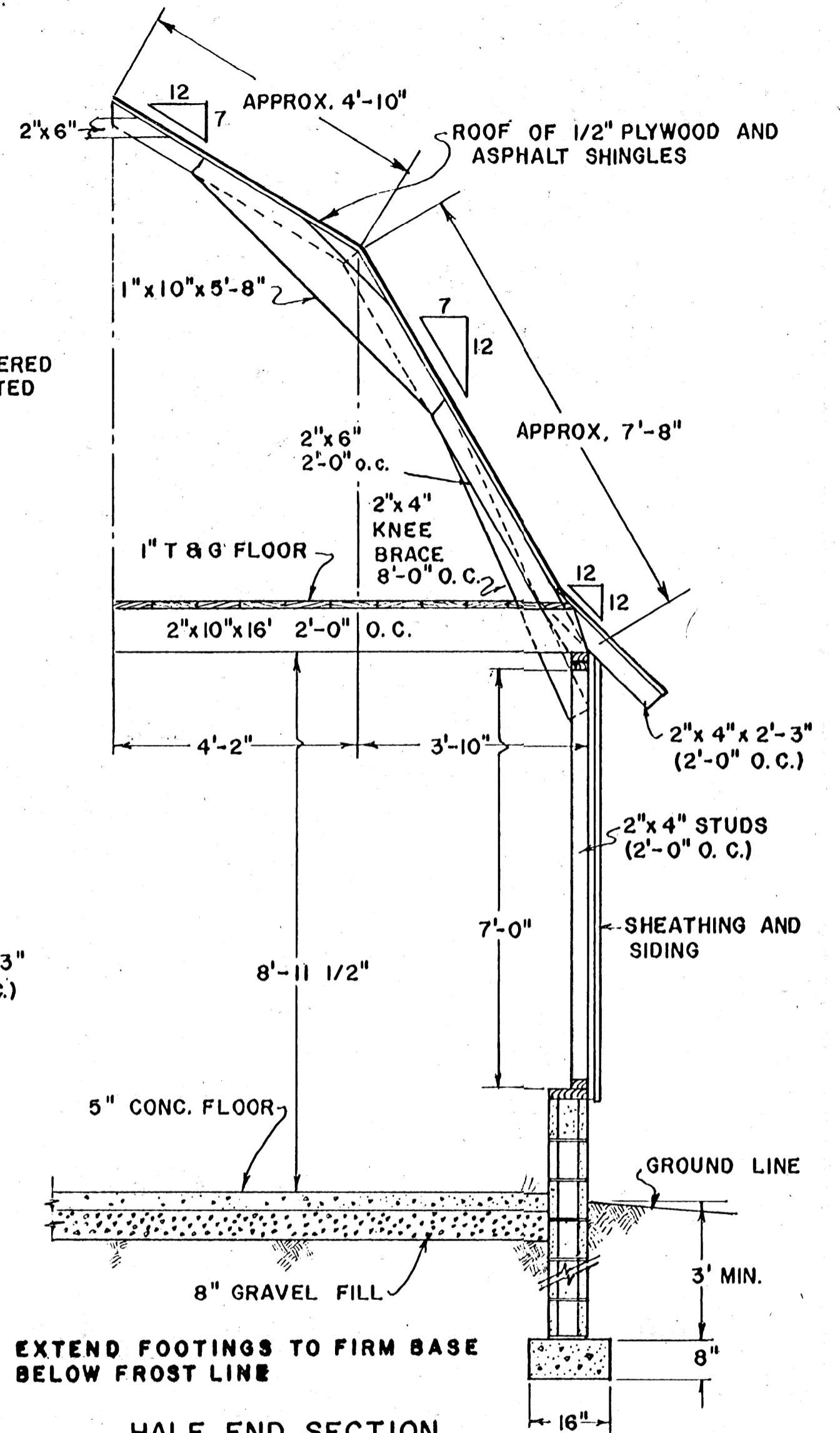
FRONT VIEW

BOX STALL DETAILS



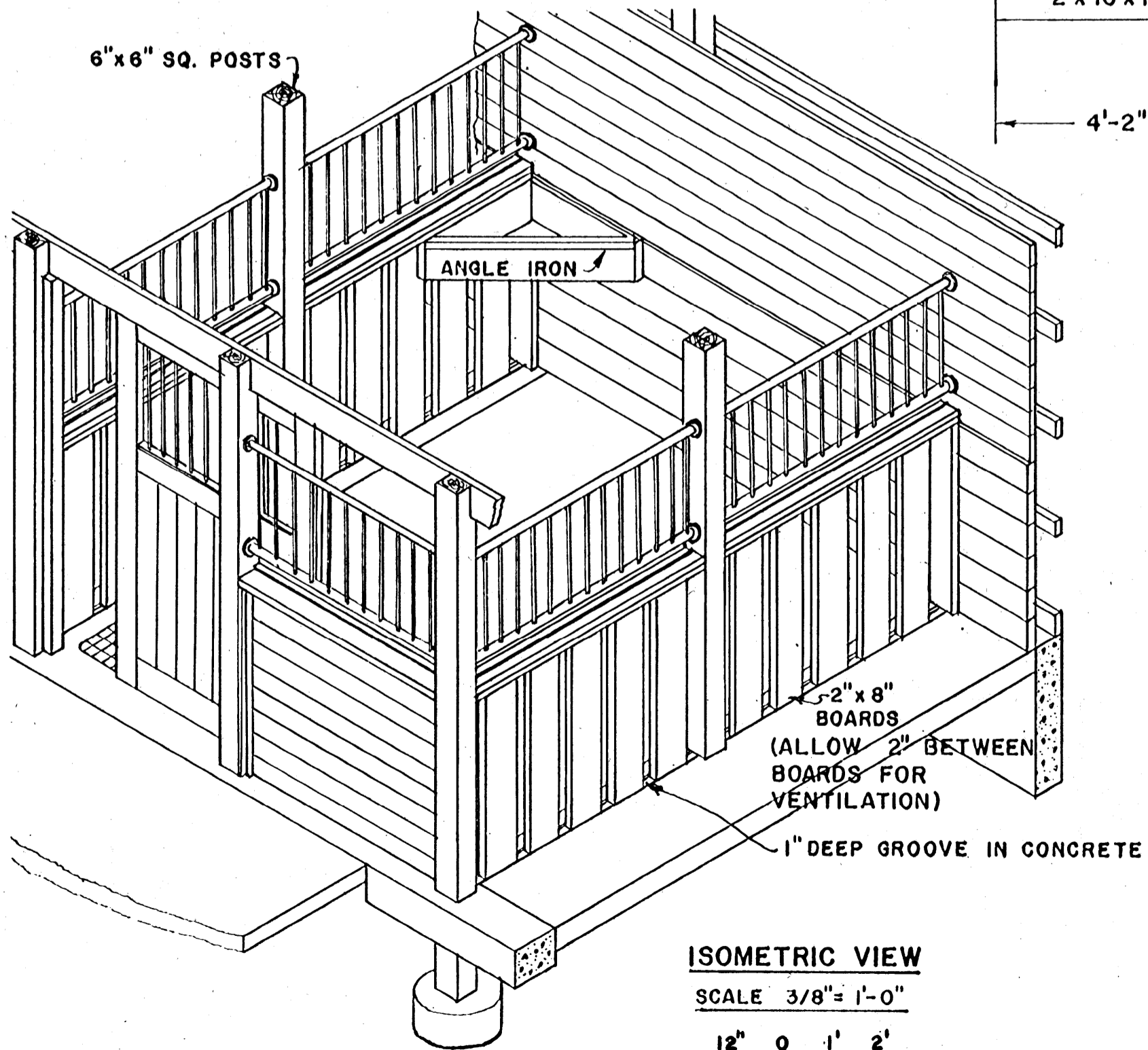
HALF END SECTION

GALVANIZED CORRUGATED ROOFING



HALF END SECTION

ASPHALT SHINGLES

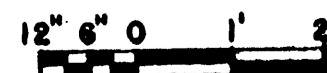


ISOMETRIC VIEW

SCALE 3/8" = 1'-0"



SCALE: 1/2" = 1'-0" UNLESS OTHERWISE NOTED.



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**HORSE BARN  
GAMBREL ROOF**  
MICH. '76 6262 SHEET 2 OF 2