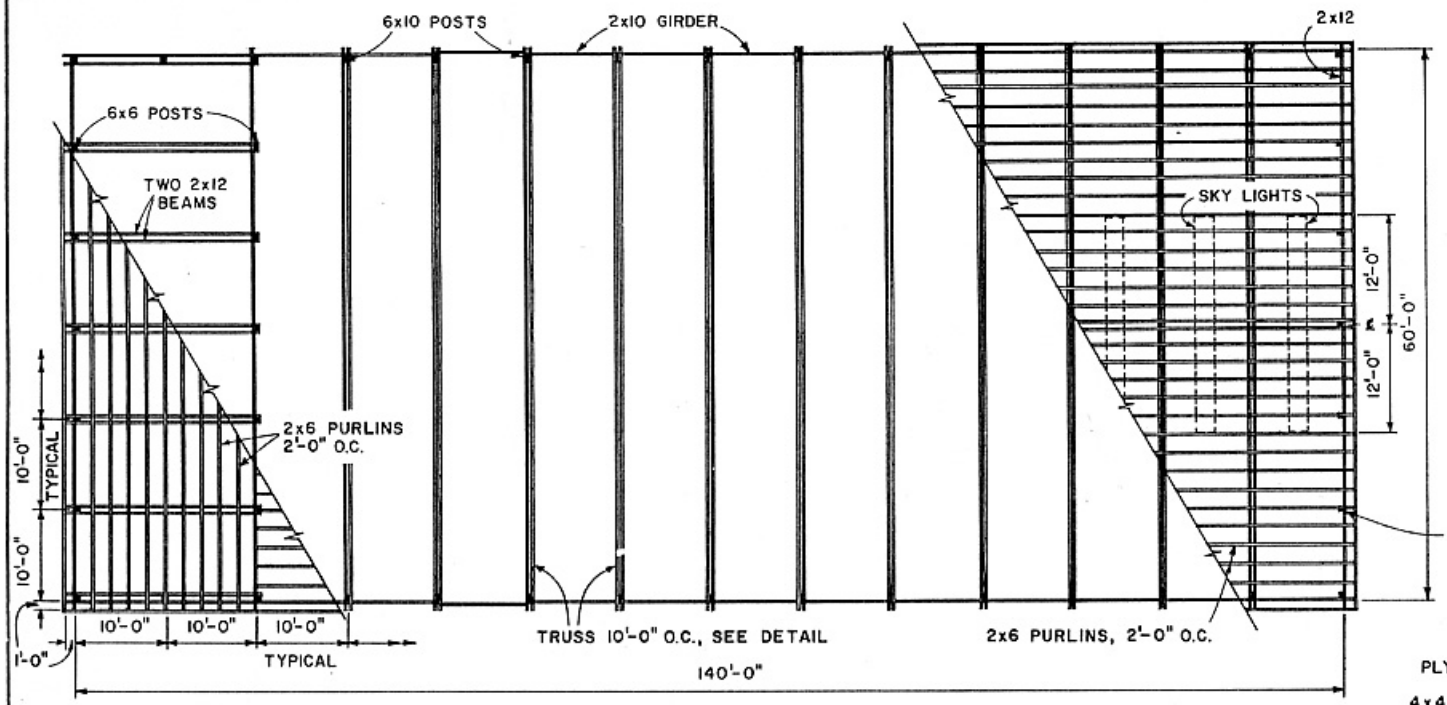
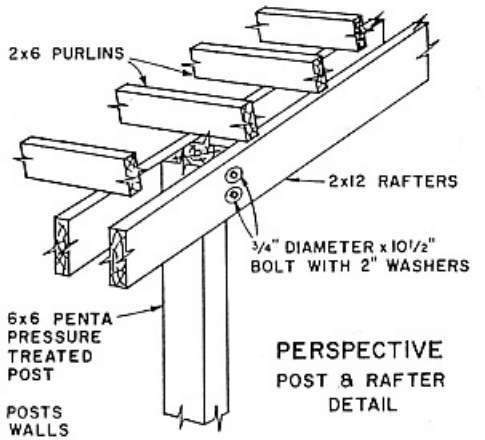
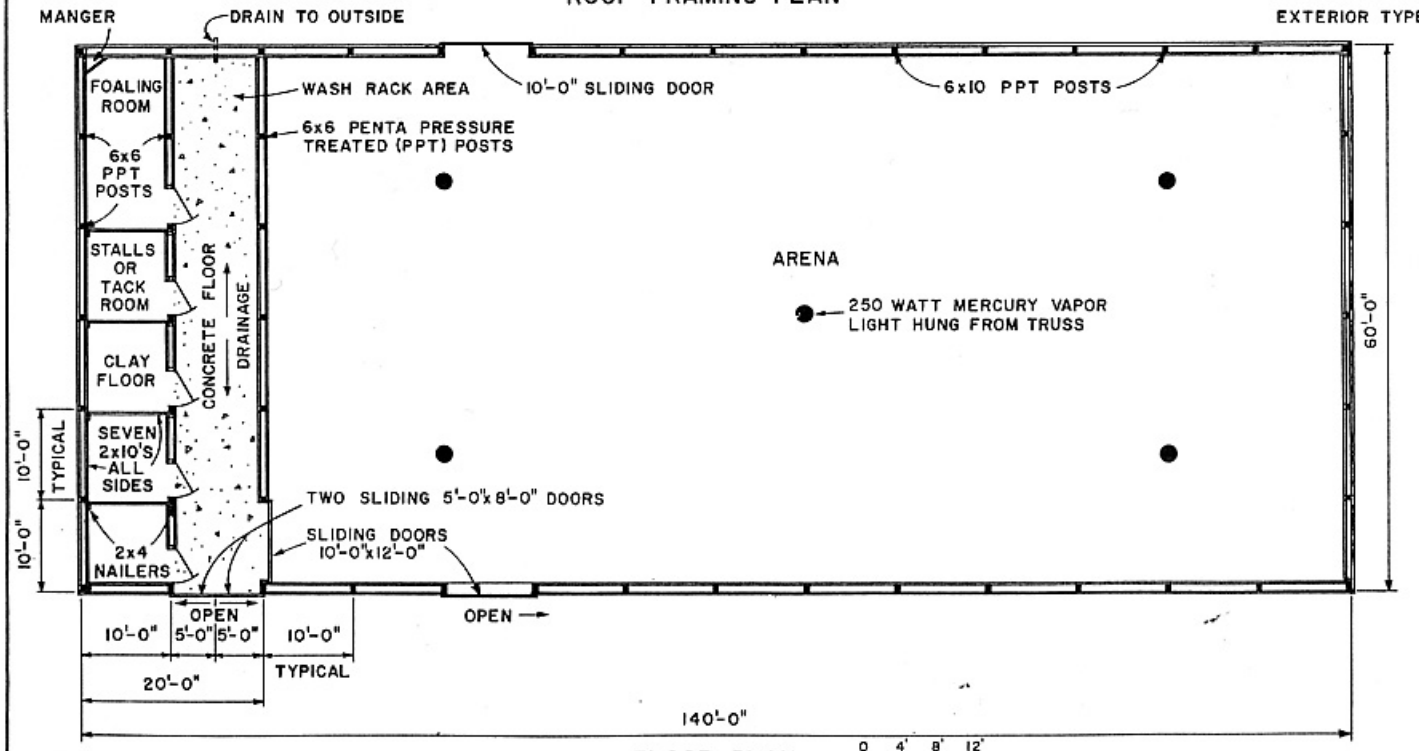


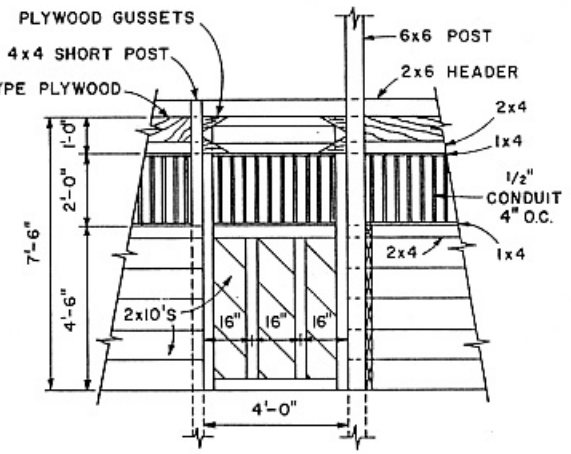
ROOF FRAMING PLAN



PERSPECTIVE
POST & RAFTER DETAIL



FLOOR PLAN



STALL DOOR DETAIL

BASED ON: UNIV. OF IDAHO PLAN AE-73-01

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
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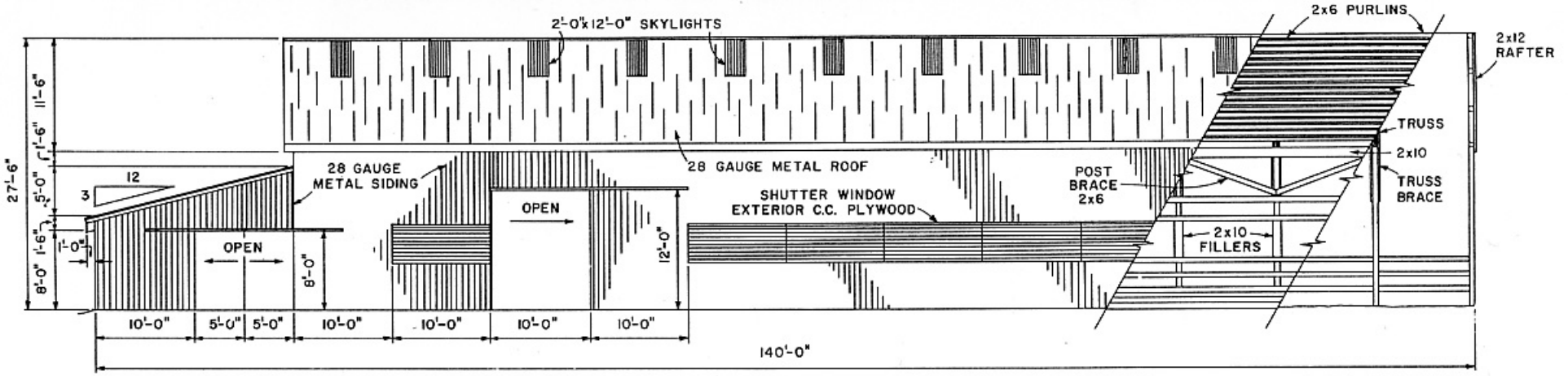
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

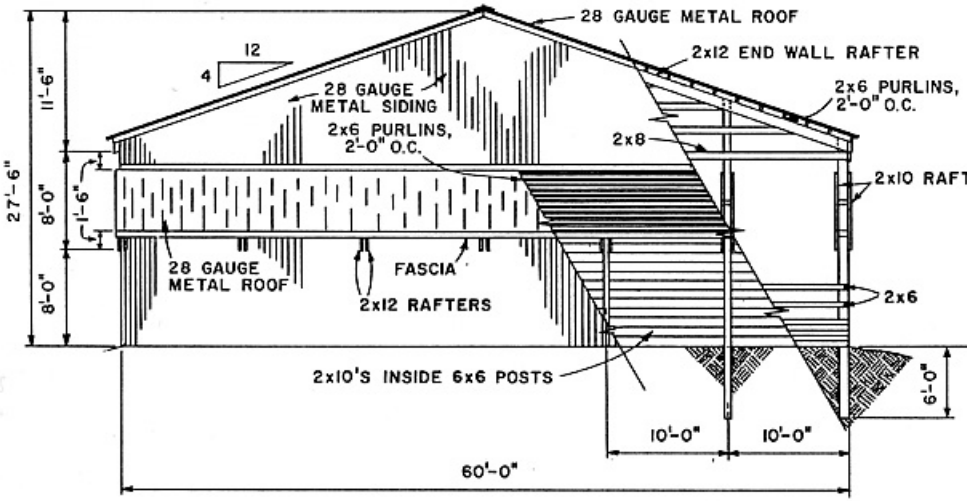
HORSE BARN & ARENA

ID. '73	6171	SHEET 1 OF 3

DR BY: MJL TR BY: J.C. CHK BY: MST DATE: 1/74



ELEVATION



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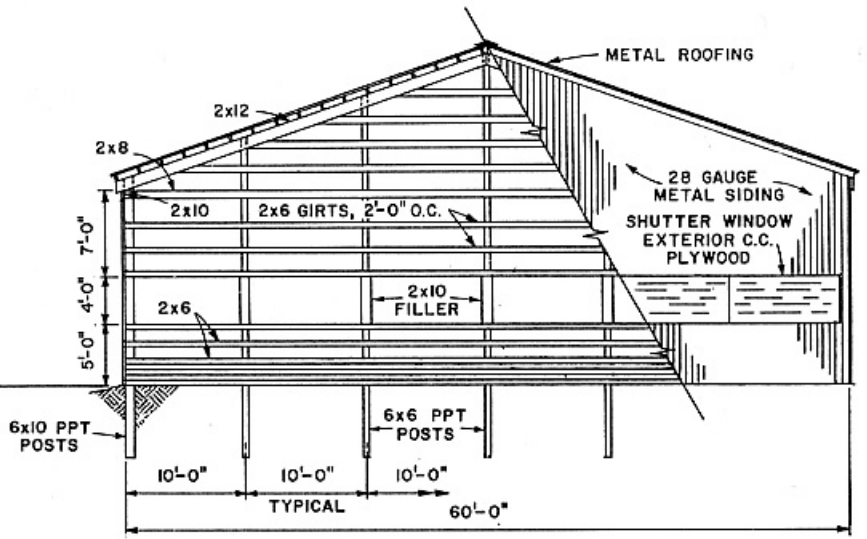

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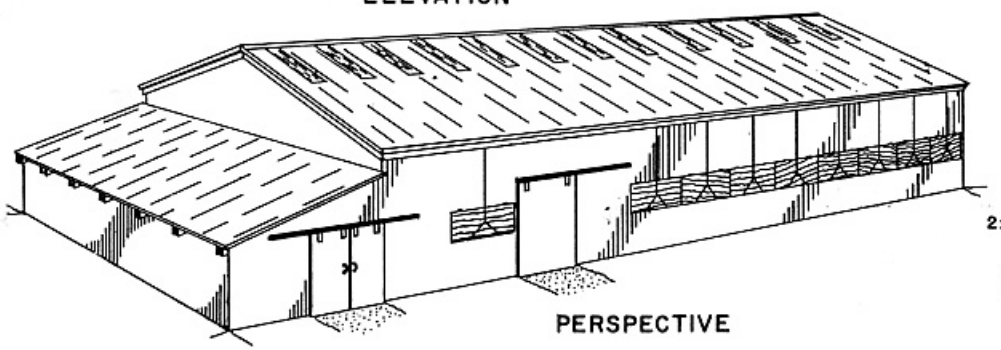
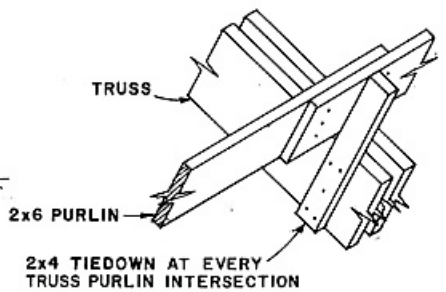


PERSPECTIVE



PURLIN LAP & TIEDOWN

-NO SCALE-

0 1' 3' 8' 12'
1/2" 2" 4"

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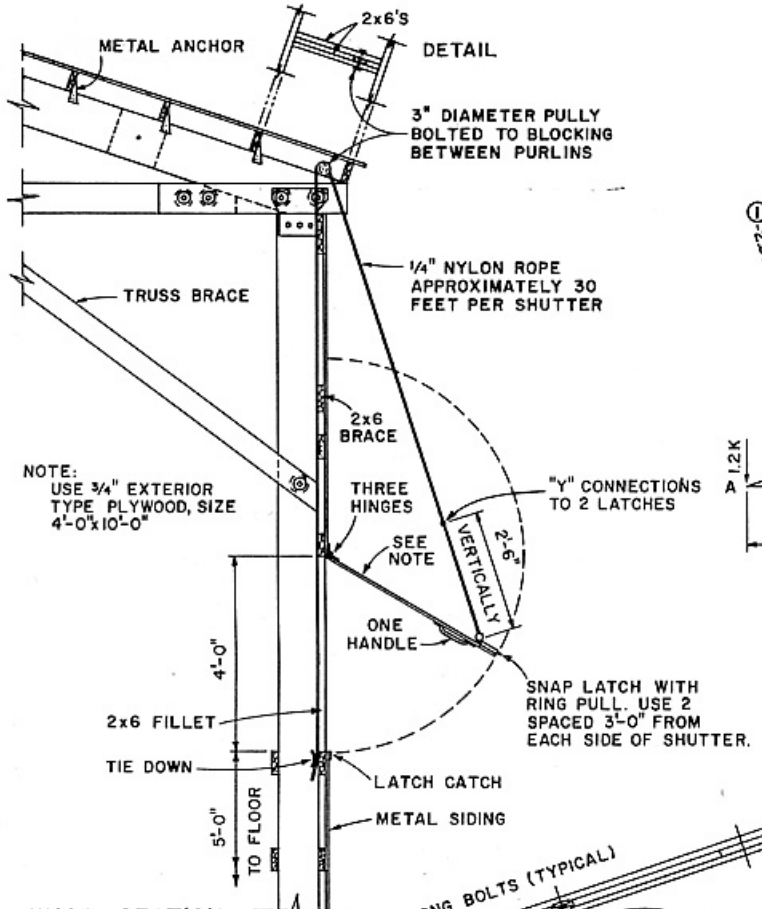
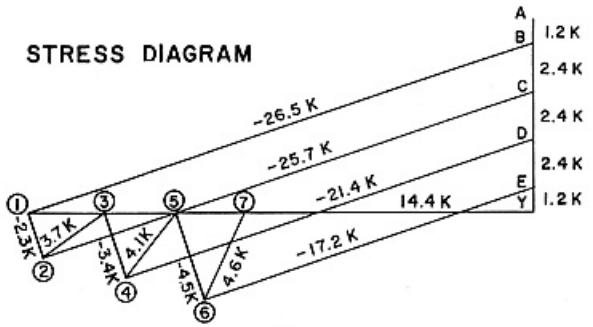
HORSE BARN & ARENA

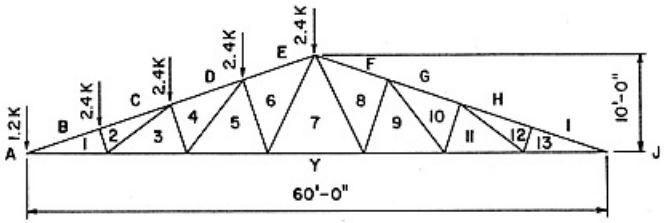
ID. '73	6171	SHEET 2 OF 3



WALL SECTION

STRESS DIAGRAM

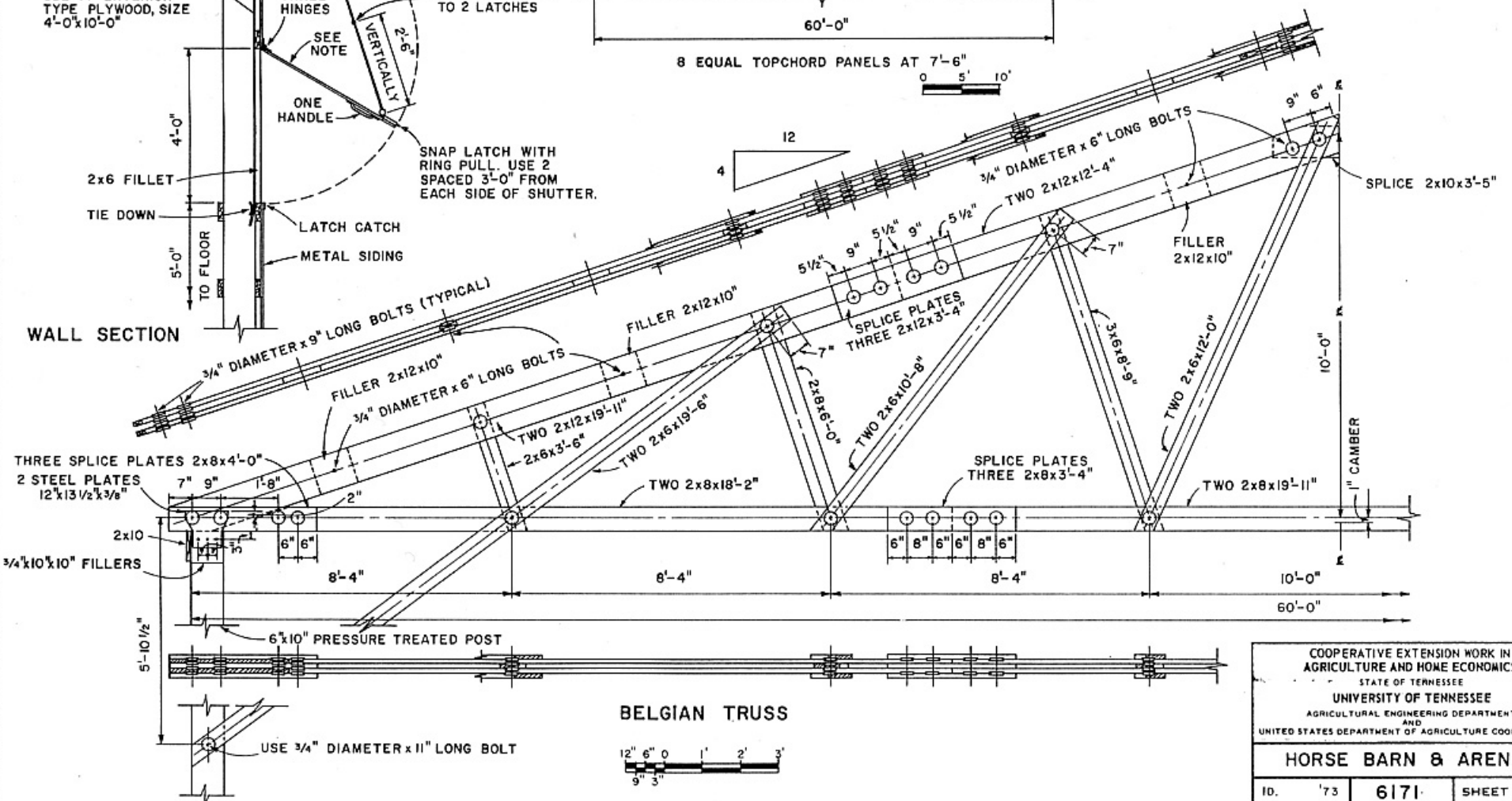




8 EQUAL TOPCHORD PANELS AT 7'-6"

0 5' 10'

NOTES:
1. TOTAL LOAD, LIVE PLUS DEAD = 32 POUNDS PER SQUARE FOOT.
2. TRUSS SPACING 10'-0" O.C.
3. THE PROPER CAMBER MAY BE INTRODUCED BY RAISING THE LOWER CHORD 1½" AT THE CENTER DURING FABRICATION.
4. LUMBER SHALL BE A STRUCTURAL GRADE WITH MINIMUM ALLOWABLE WORKING STRESSES IN POUNDS PER SQUARE INCH AS FOLLOWS:
   800 PSI COMPRESSION PARALLEL TO THE GRAIN
   1,200 PSI EXTREME FIBER IN BENDING
   1,600,000 PSI MODULUS OF ELASTICITY.
5. CONNECTORS:
   4" DIAMETER SPLIT RINGS
   3/4" DIAMETER x 9½" LONG BOLTS & 3" WASHERS UNLESS OTHERWISE SPECIFIED.



BELGIAN TRUSS

12" 6" 0 1' 2' 3'
9" 3"

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HORSE BARN & ARENA

ID. '73	6171	SHEET 3 OF 3