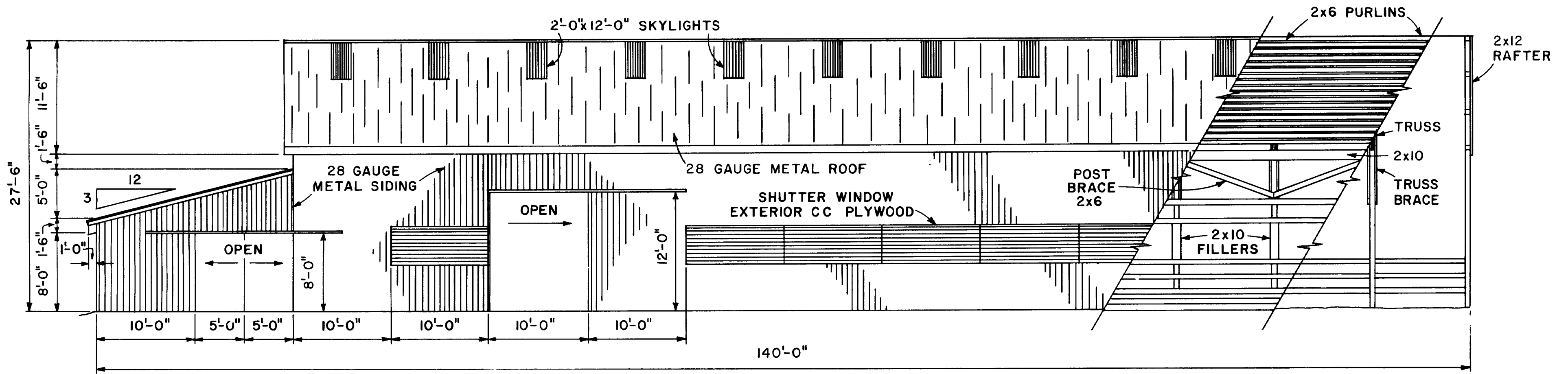


Important: Warranty Disclaimer for Plans

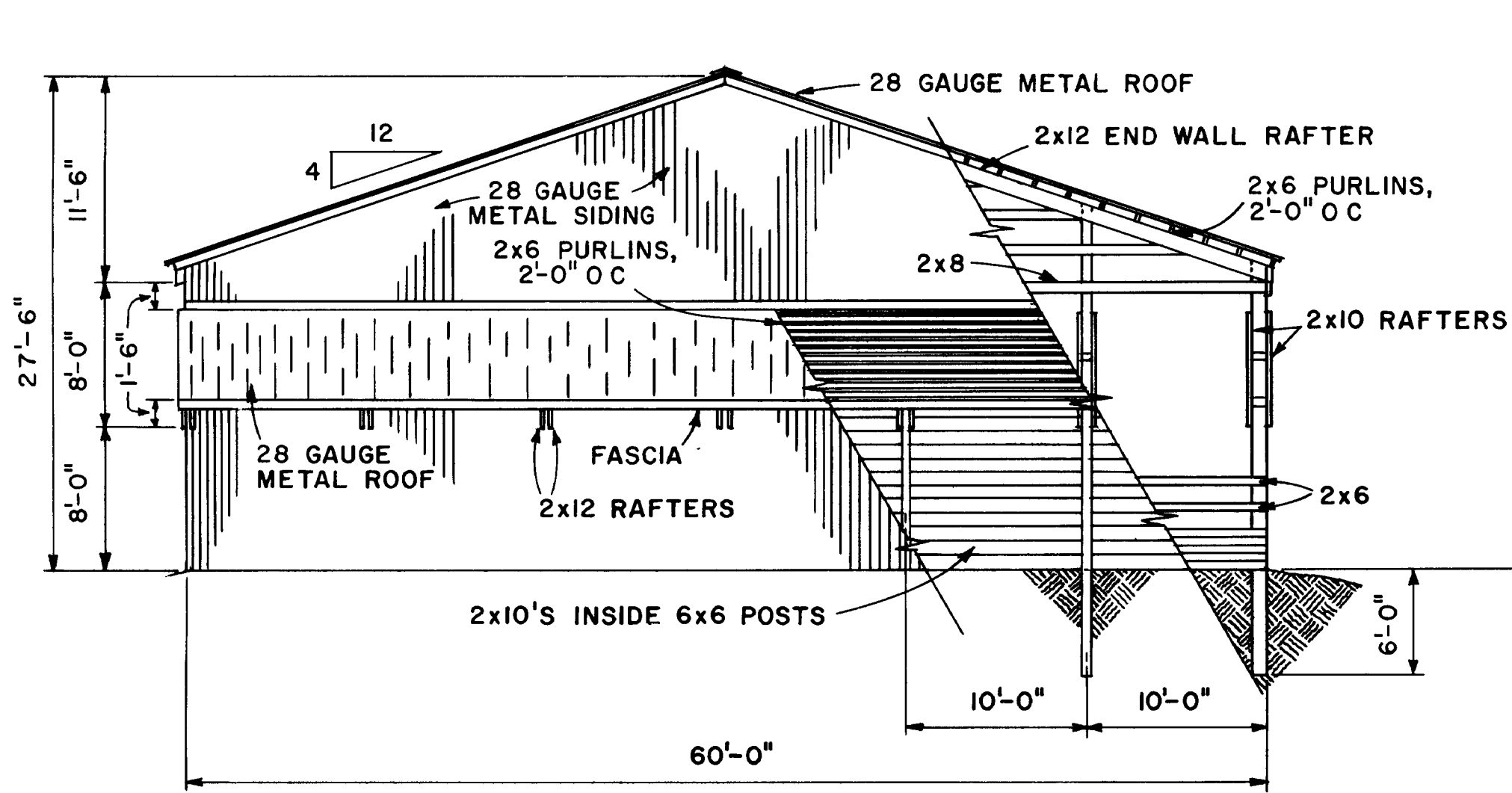
For the convenience of our clientele, this website makes available conceptual plans that can be helpful in planning buildings, facilities, or other structures. They were developed over many years by engineers at Land Grant universities through the former USDA Cooperative Farm Buildings Plan Exchange. *Regardless of the original intent, these are older plans that provide conceptual information only, and are not to be considered or used as construction plans.*

These plans do not claim to represent the most current technology or the most recent construction techniques, standards, or codes. For example, over the years there have been changes in the National Design Specifications for Wood Construction, changes in the strengths and types of building materials, and changes in fasteners, among other things. Those changes, along with variations in climate, building codes, and other factors, make it imperative that professional services be utilized for your specific project. Suggested services include, but are not limited to, structural design, assurance of compliance with codes and regulations, site selection, construction supervision, and provision for utilities, waste management, and access. *These plans do not replace the need for competent design assistance in developing safe, legal, and well-functioning agricultural buildings and systems.*

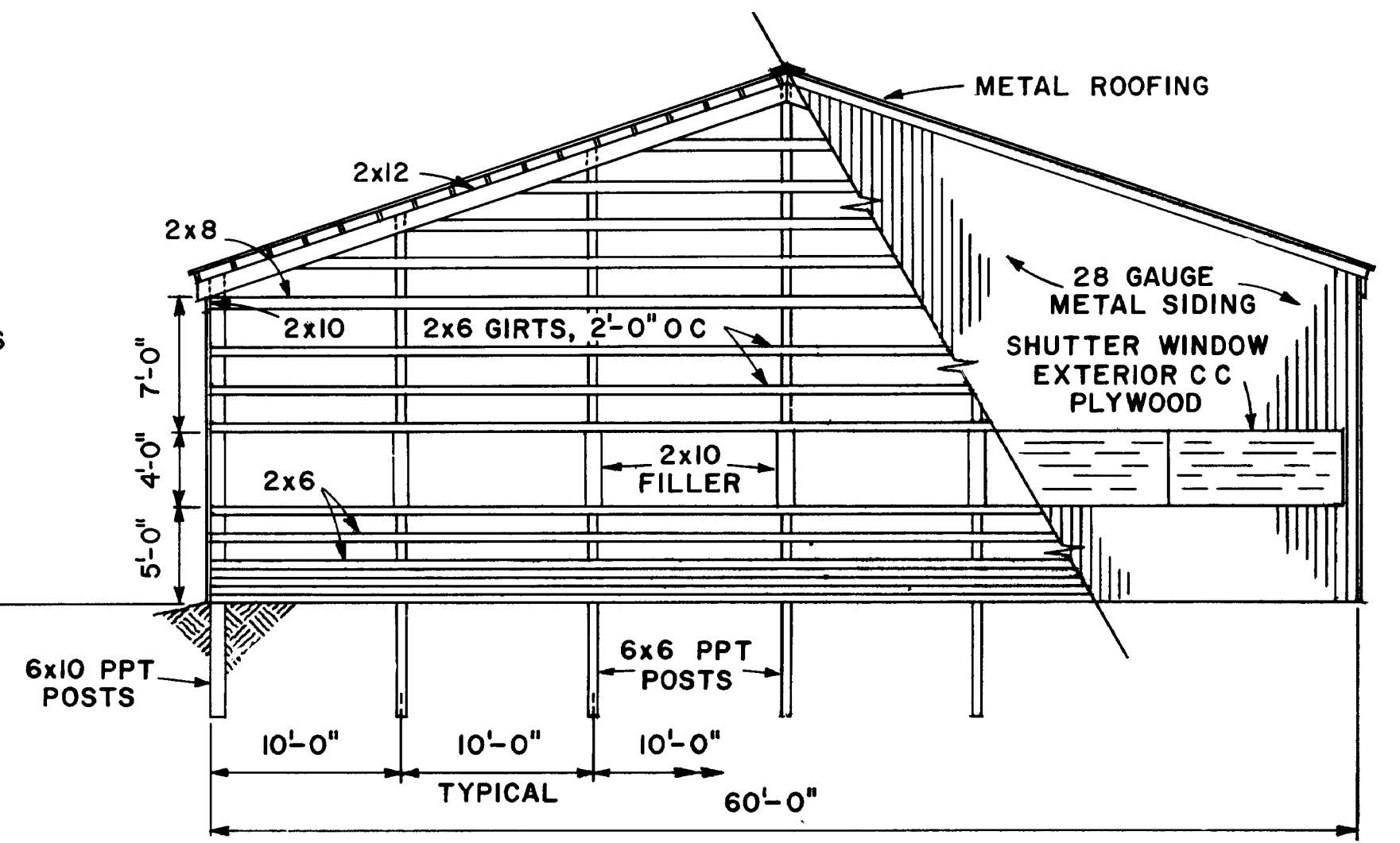
Neither the University of Kentucky, the Midwest Plan Service, the United States Department of Agriculture, nor any of the cooperating Land Grant universities, warranty these plans. They are for conceptual use only and are not for use as construction plans.



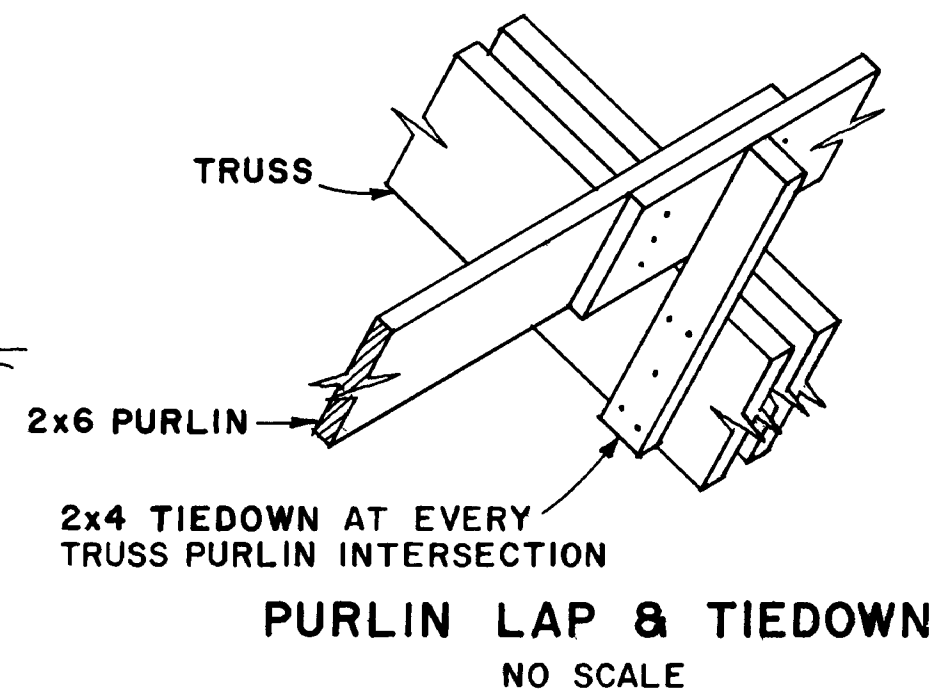
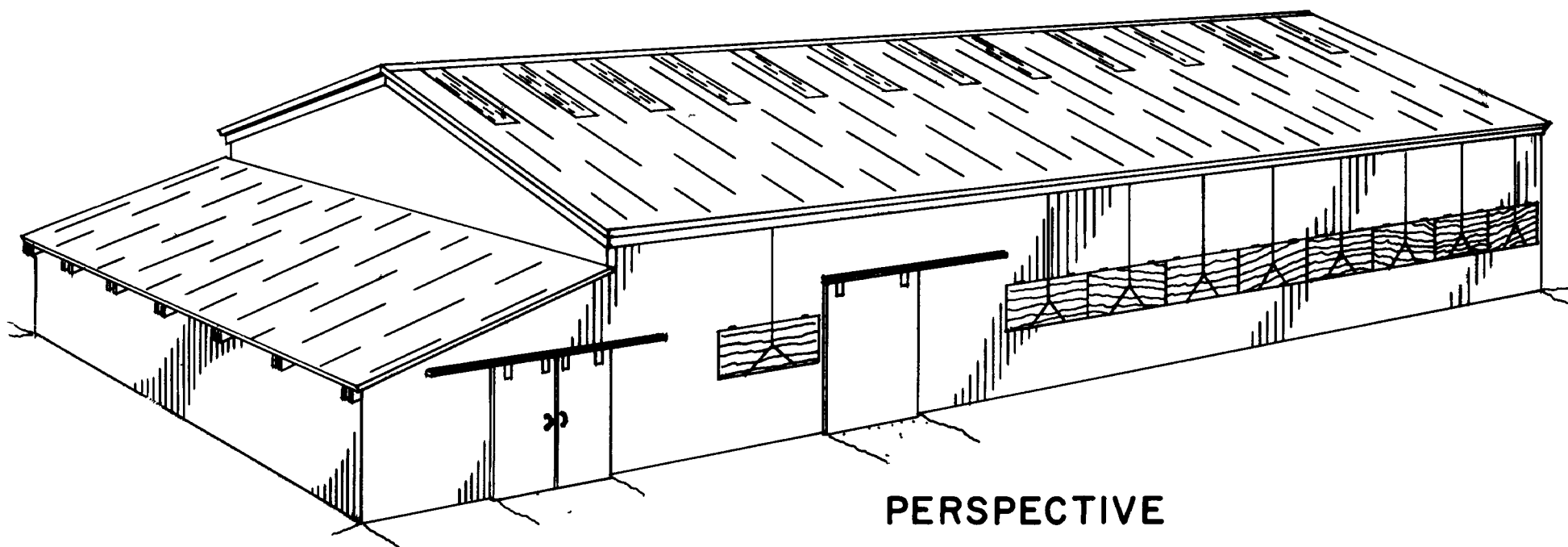
ELEVATION



ELEVATION



ELEVATION



0' 3' 8' 12'

12" 2' 4'

SCALE 1/8"=1'-0" UNLESS OTHERWISE NOTED

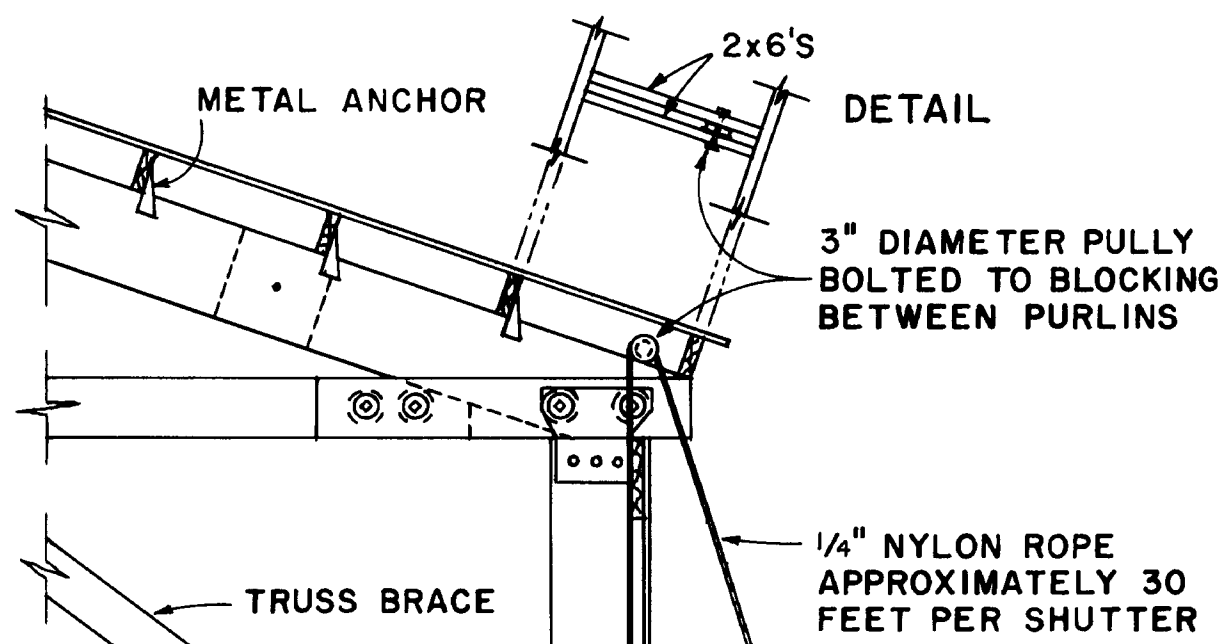
COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

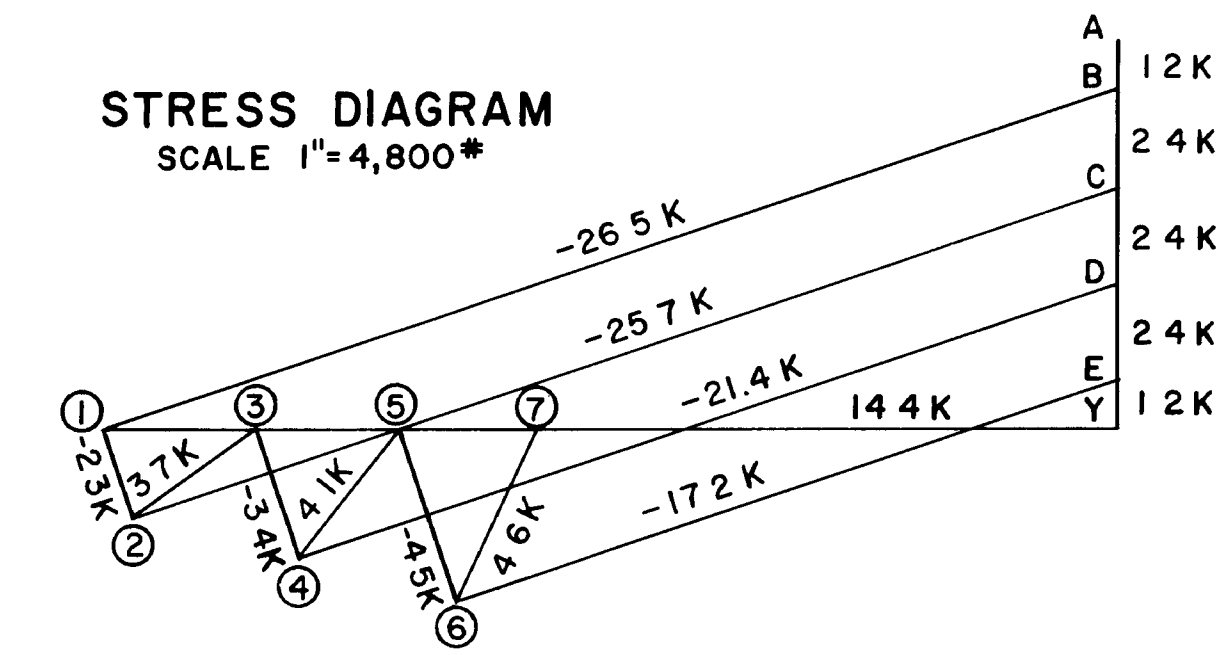
HORSE BARN & ARENA

ID. '73 6171 SHEET 2 OF 3

Not shown INACTIVE

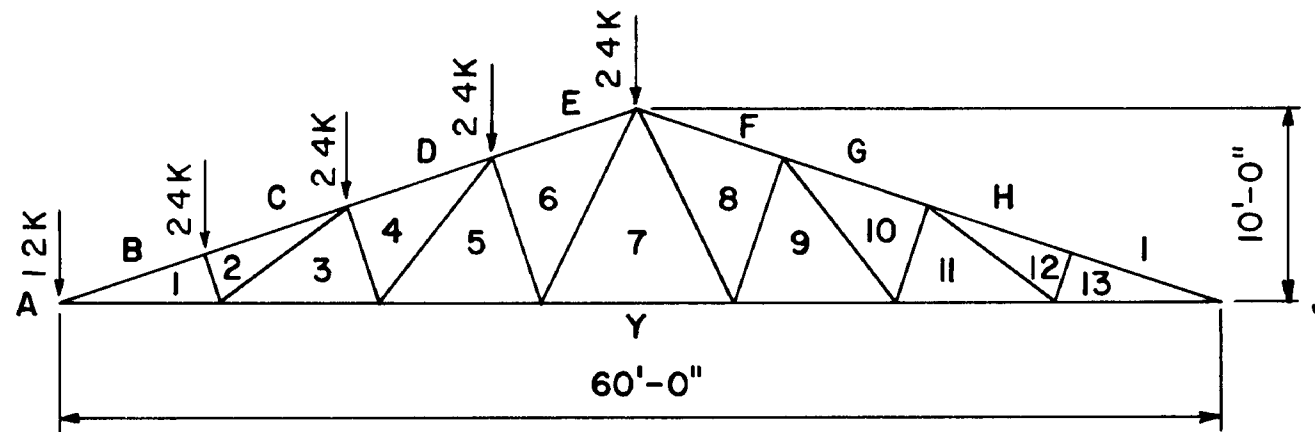


STRESS DIAGRAM
 SCALE 1"=4,800*

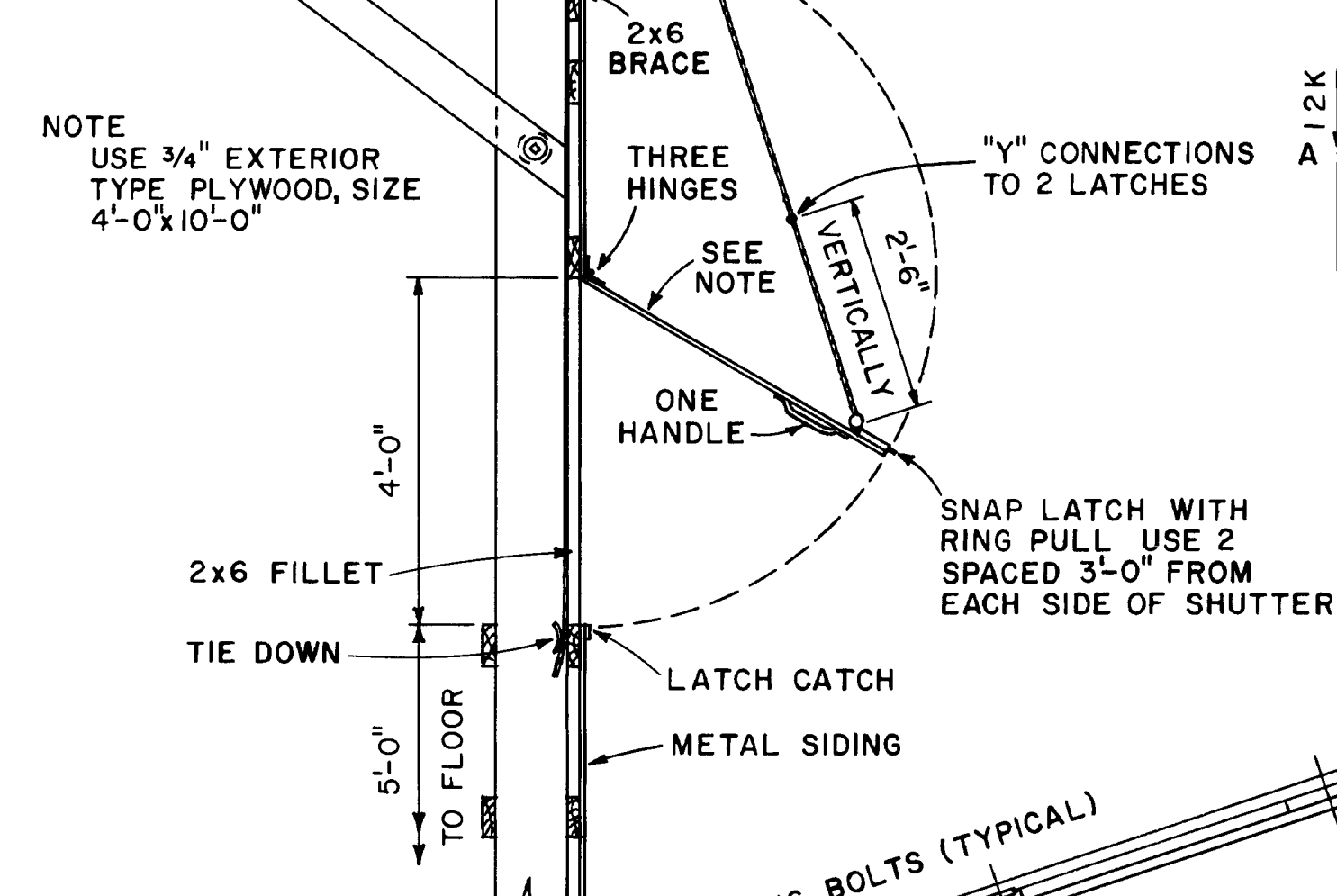


NOTES

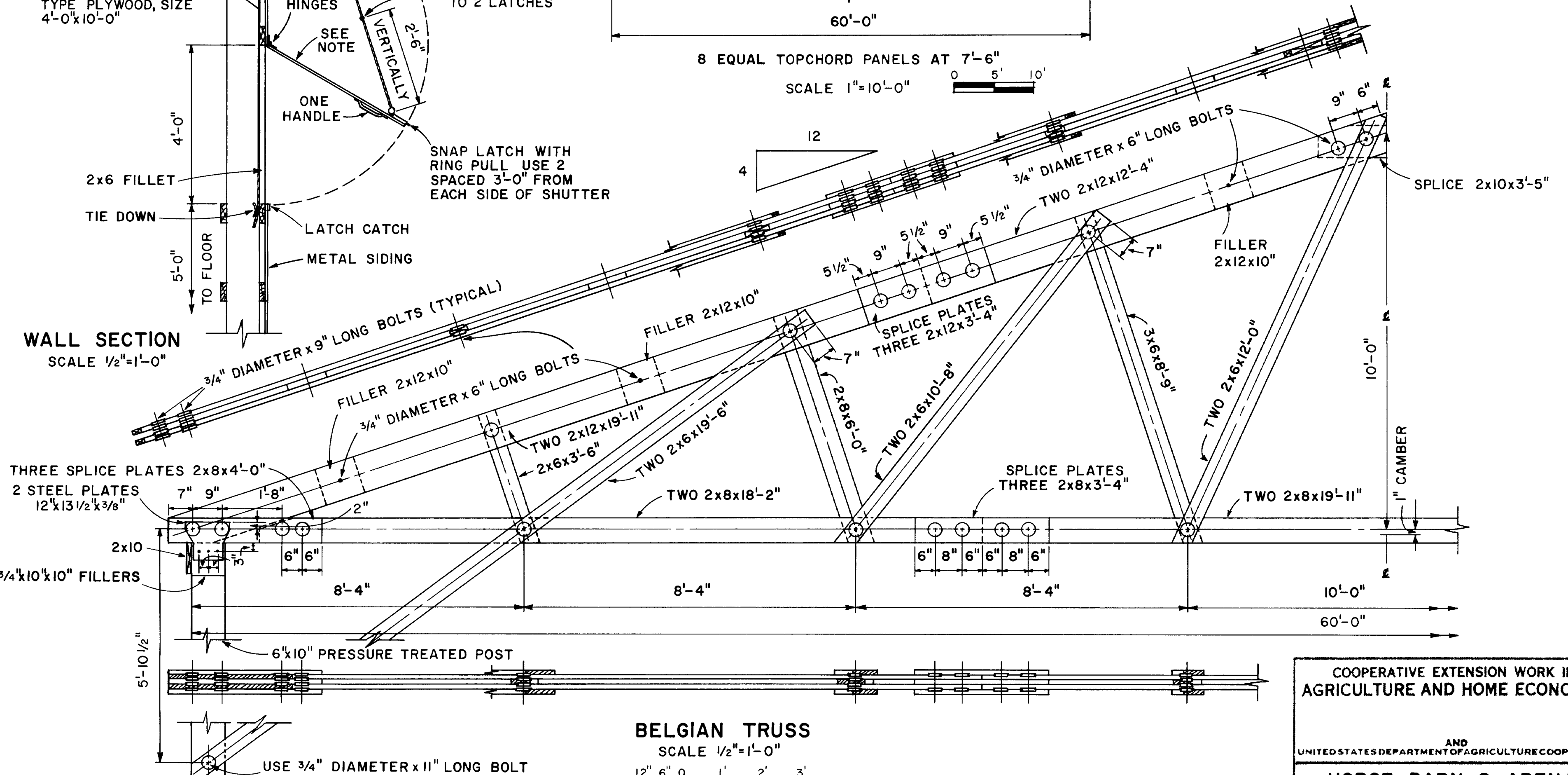
- 1 TOTAL LOAD, LIVE PLUS DEAD=32 POUNDS PER SQUARE FOOT.
- 2 TRUSS SPACING 10'-0" O.C
- 3 THE PROPER CAMBER MAY BE INTRODUCED BY RAISING THE LOWER CHORD 1 1/2" AT THE CENTER DURING FABRICATION
- 4 LUMBER SHALL BE A STRUCTURAL GRADE WITH MINIMUM ALLOWABLE WORKING STRESSES IN POUNDS PER SQUARE INCH AS 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 9 1/2" LONG BOLTS & 3" WASHERS UNLESS OTHERWISE SPECIFIED



NOTE
 USE 3/4" EXTERIOR TYPE PLYWOOD, SIZE 4'-0" x 10'-0"



WALL SECTION
 SCALE 1/2"=1'-0"

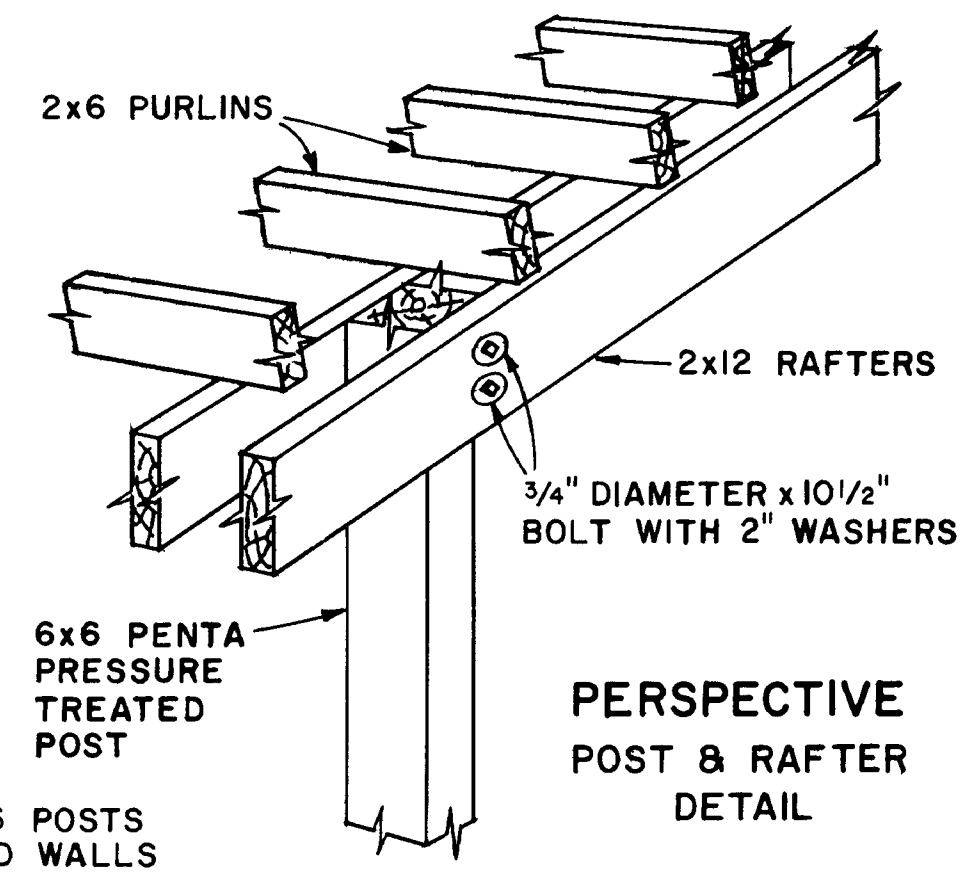
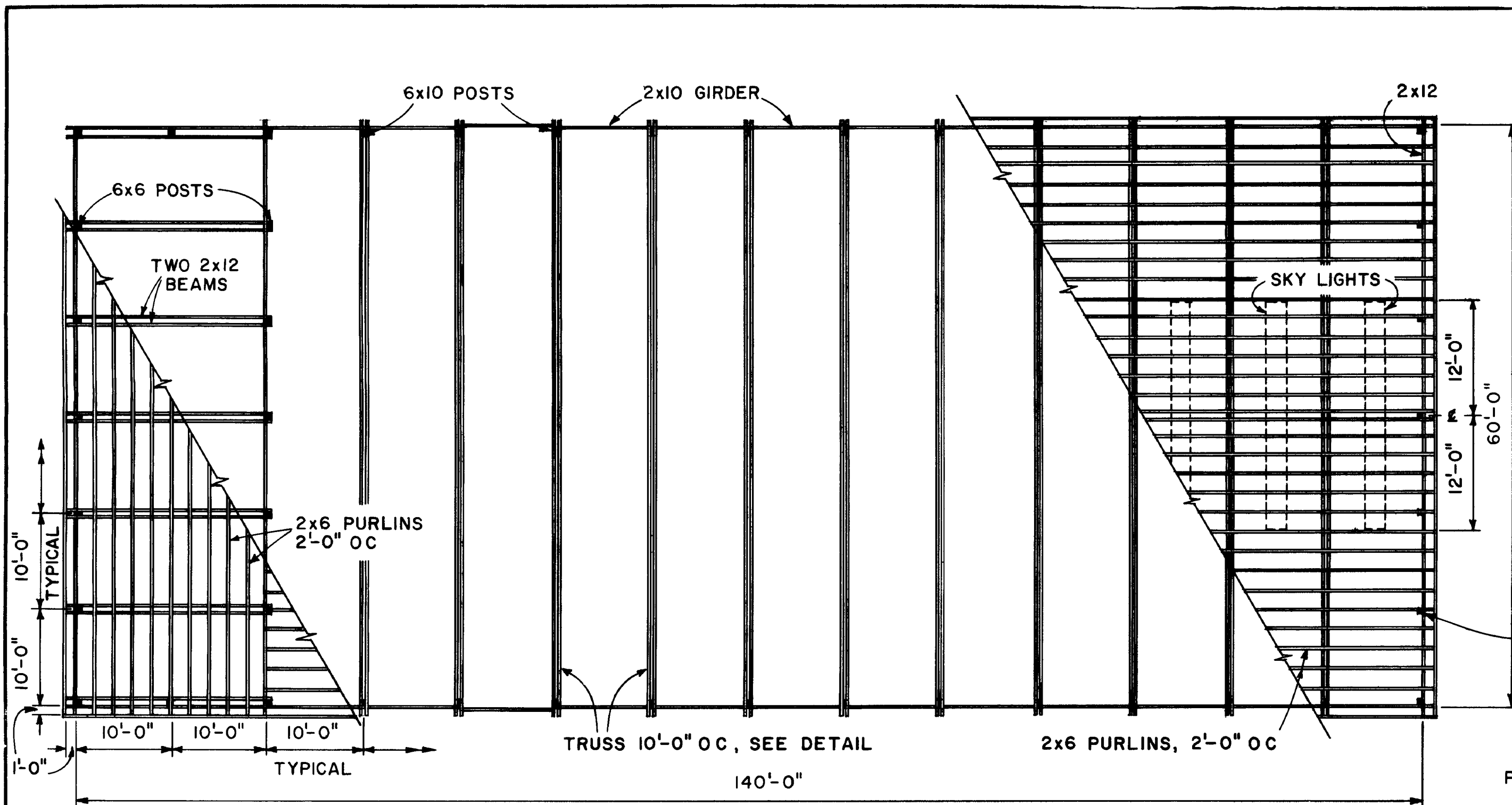


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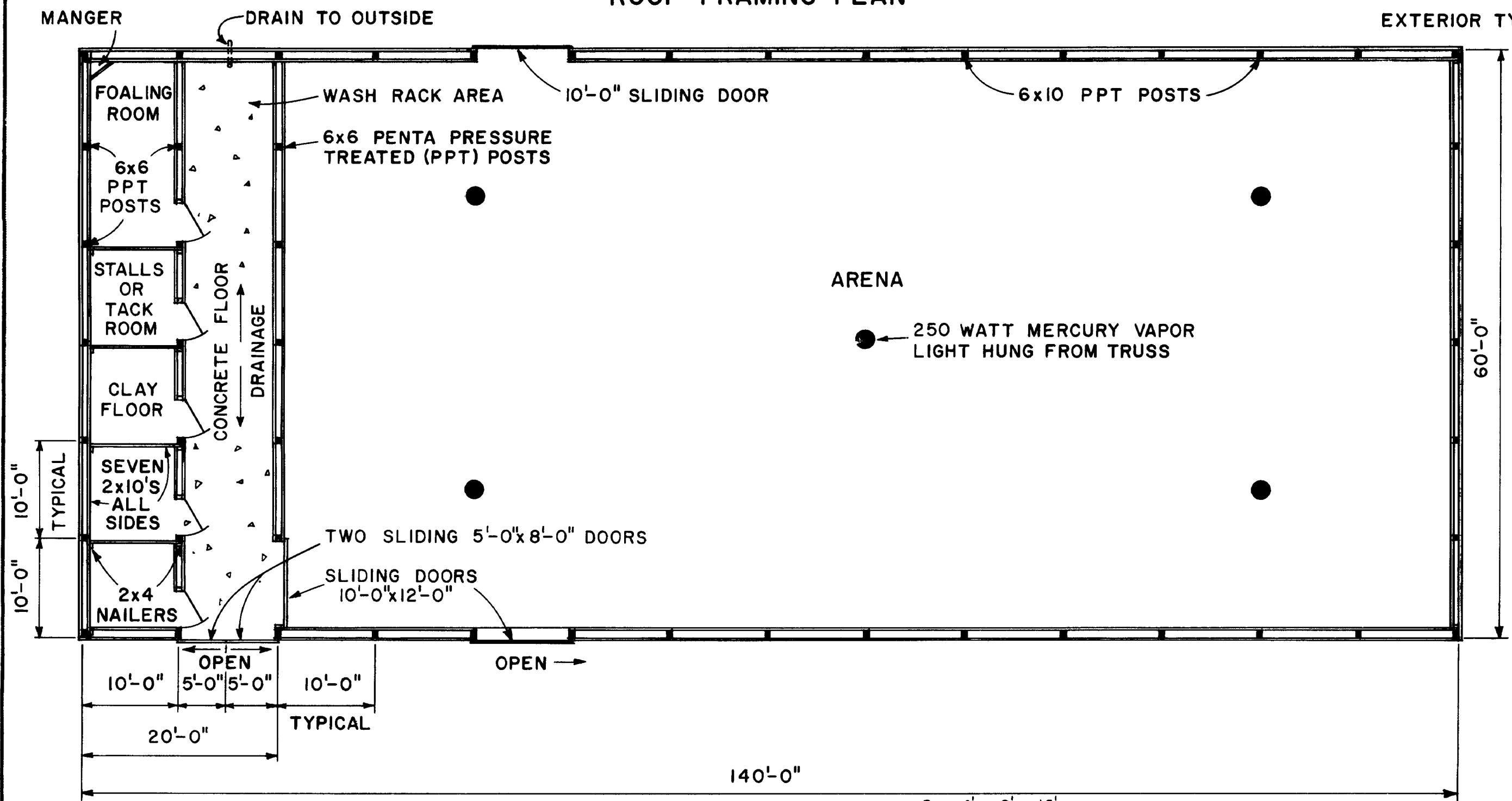
AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

HORSE BARN & ARENA

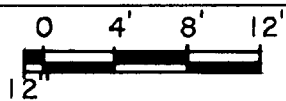
ID '73 6171 SHEET 3 OF 3



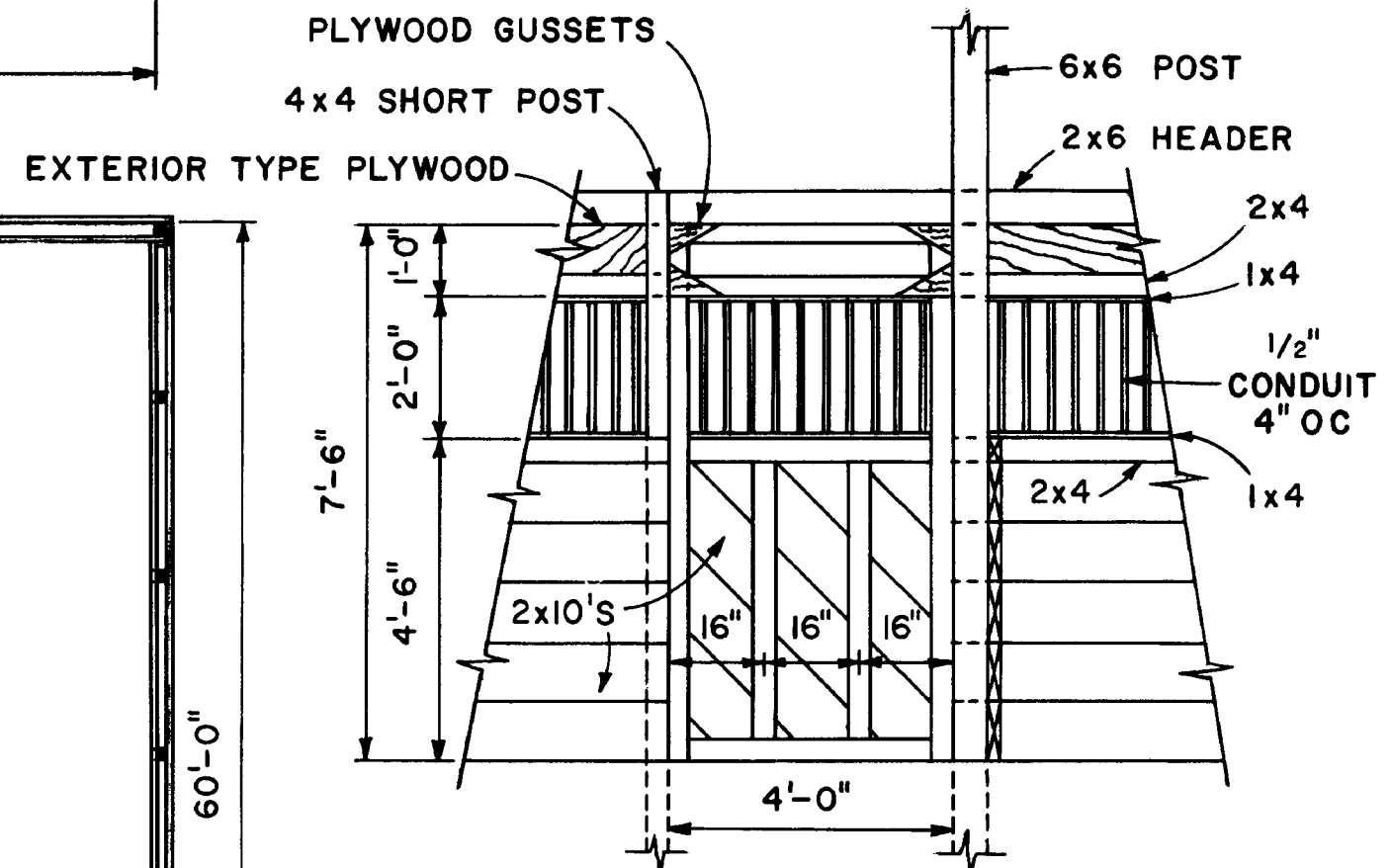
ROOF FRAMING PLAN



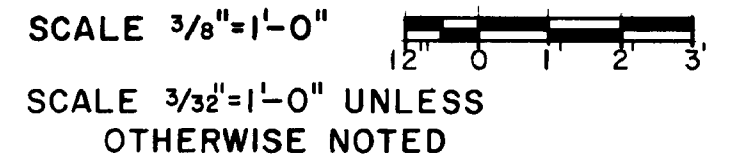
FLOOR PLAN



BASED ON UNIV OF IDAHO PLAN AE-73-01



STALL DOOR DETAIL



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HORSE BARN & ARENA

ID	'73	6171	SHEET 1 OF 3
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