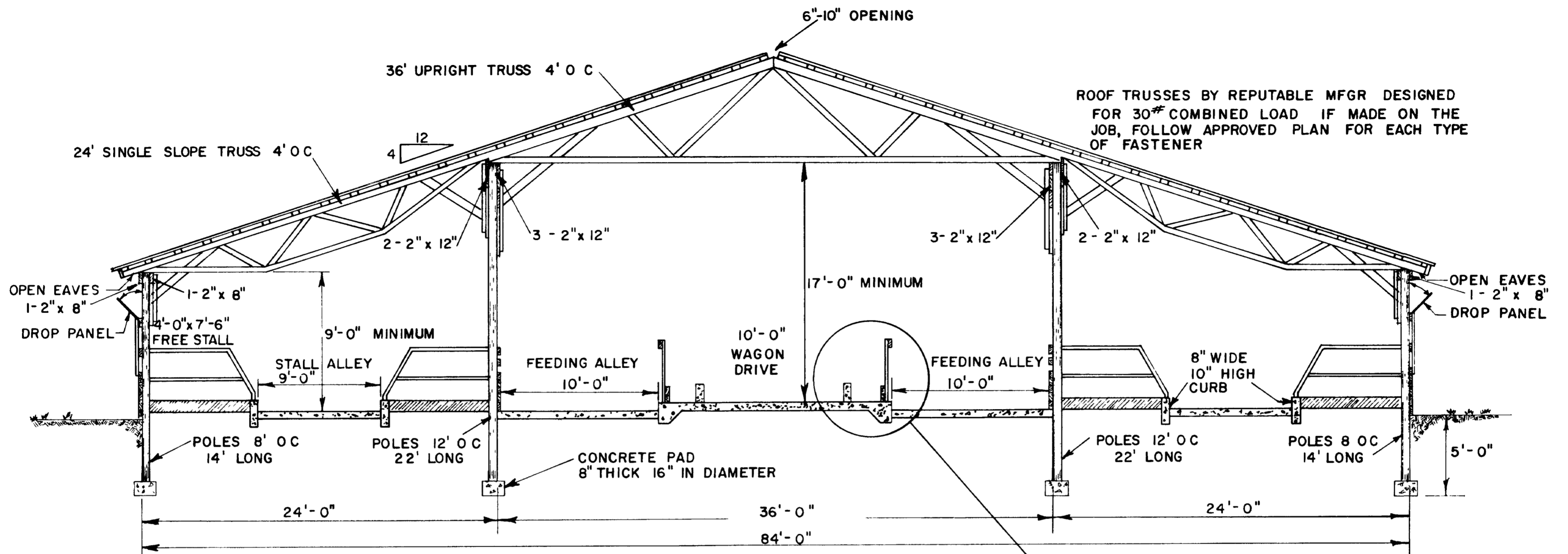


Important: Warranty Disclaimer for Plans

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.*

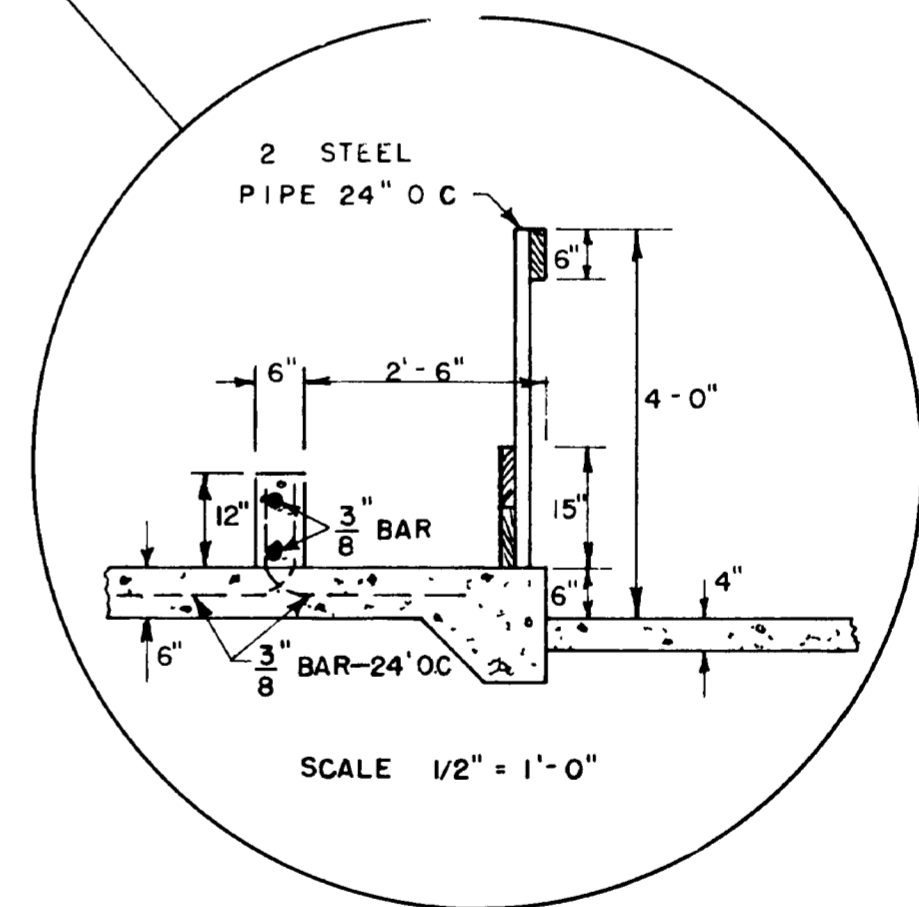
These plans do not claim to represent the most current technology or the most recent construction techniques, standards, or codes. For example, over the years there have been changes in the National Design Specifications for Wood Construction, changes in the strengths and types of building materials, 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.

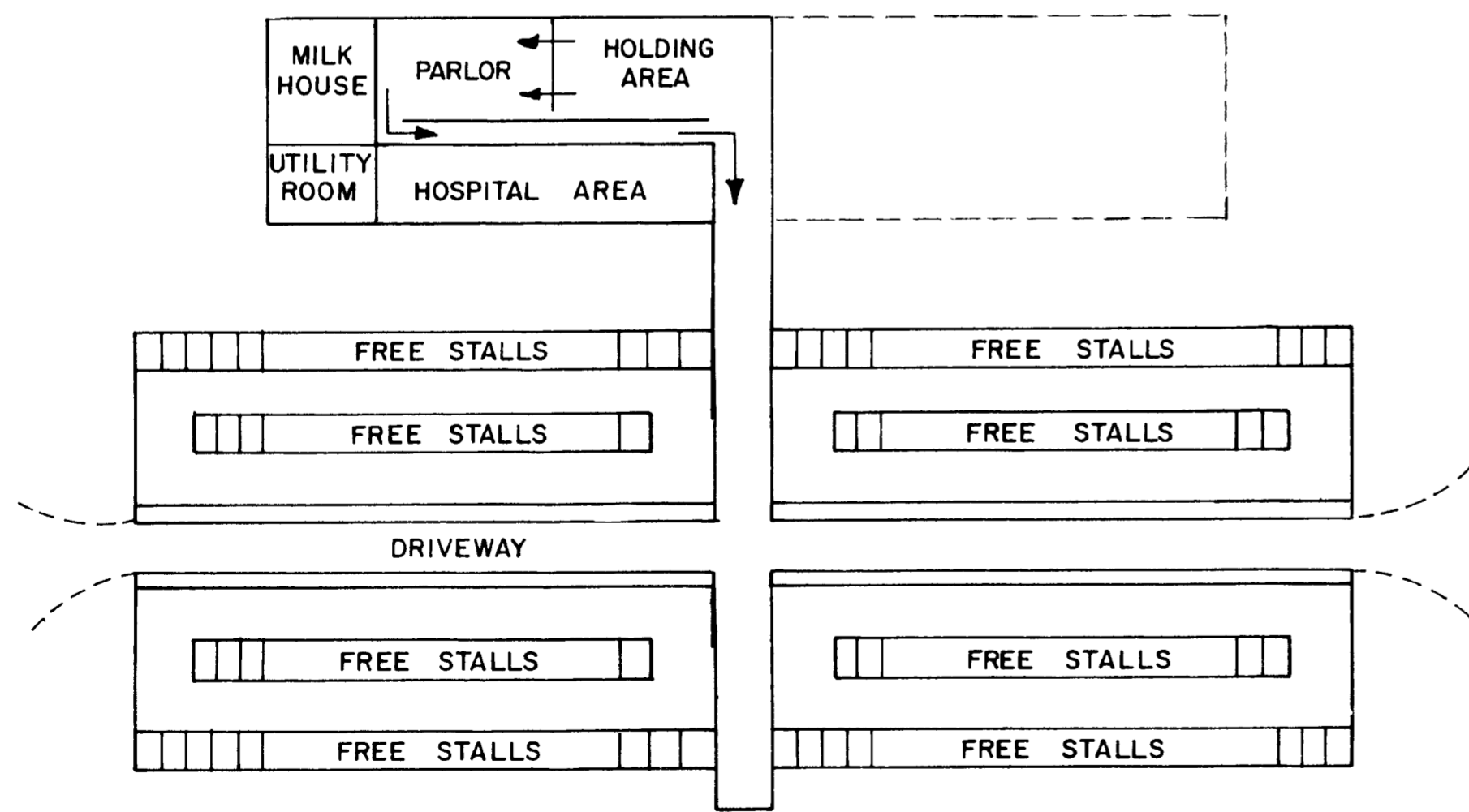


CROSS SECTION

MANY OTHER TYPES OF BUILDINGS CAN BE USED - METAL FRAME, LAMINATED RAFTERS, ETC



MANGER DETAIL



ALTERNATE LOCATION FOR THE MILKING CENTER, HOLDING AREA AND HOSPITAL AREA

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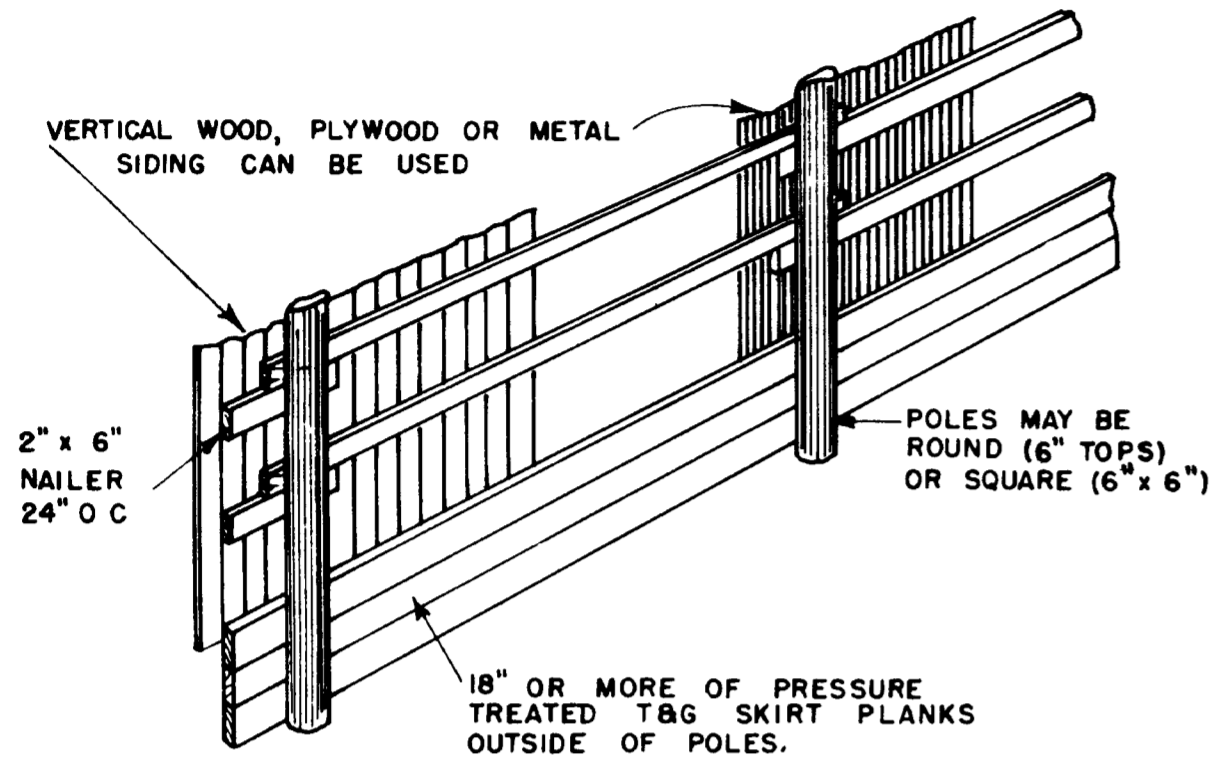
FREE STALL BARN
DRIVE-THRU TYPE

PA	'71	6111	SHEET 2 OF 3
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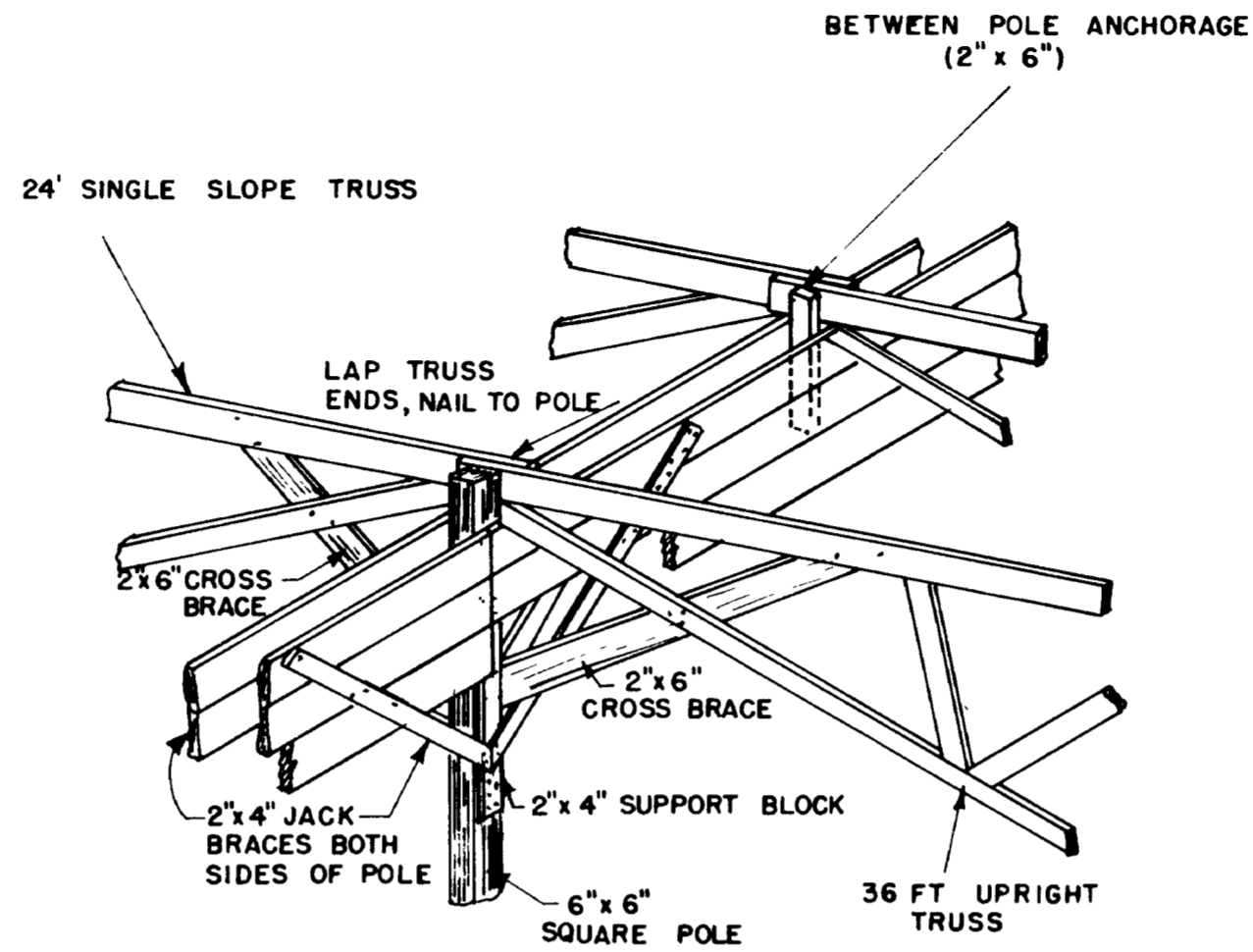
REVISED 1972

SIDE WALL DETAIL

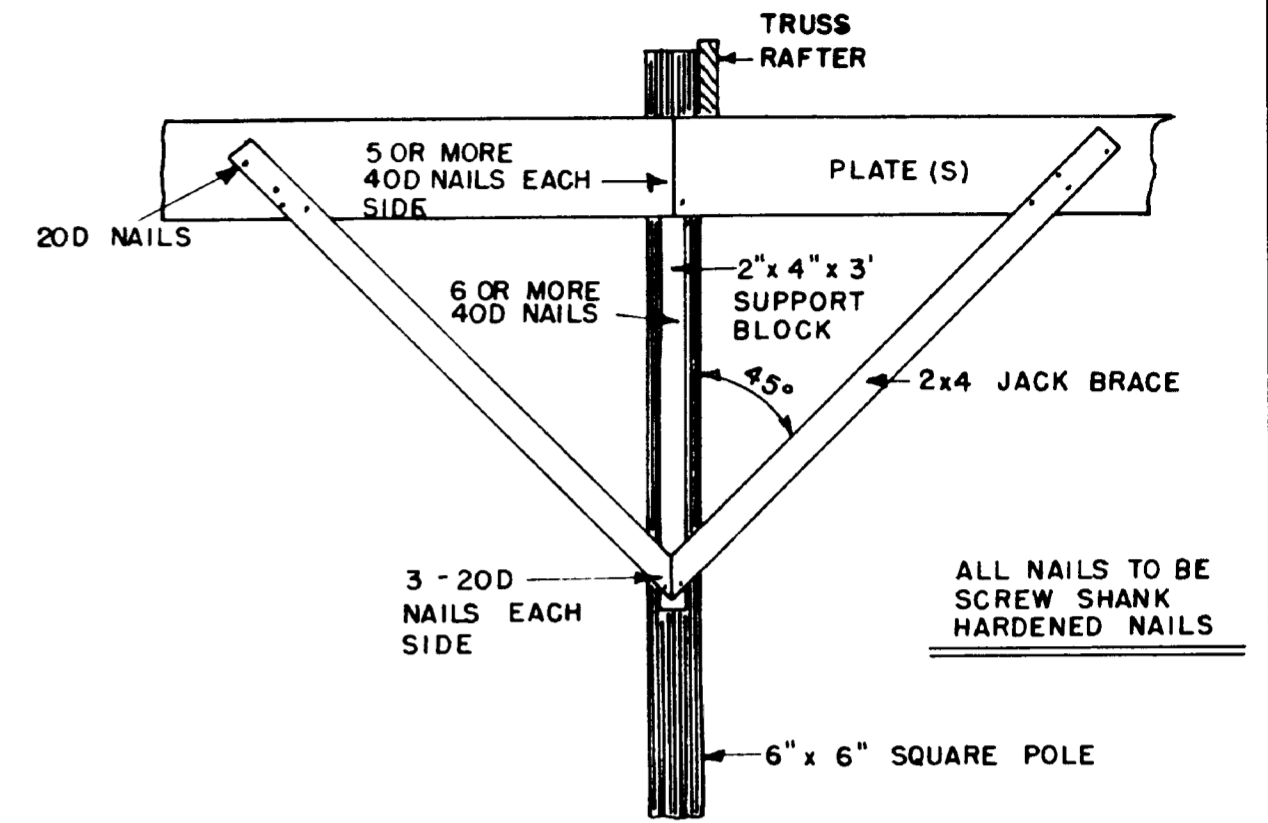
POLES MUST BE PRESSURE TREATED FOR 50 YEAR LIFE
UNTREATED OR COLD TREATED POLES WILL HAVE A
SHORT LIFE POLES MAY BE ROUND (6" TOPS) OR
SQUARE (6" x 6")



INTERIOR POLE BRACING AND RAFTER DETAIL

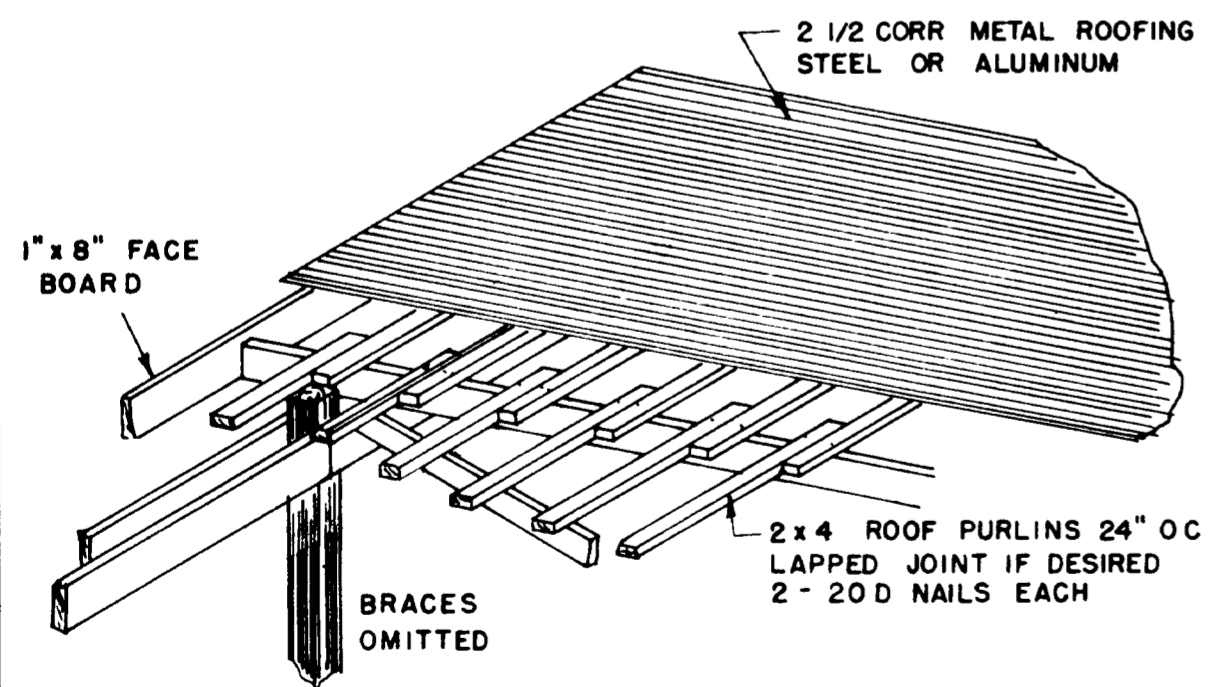


SIDEWALL POLE BRACING AND NAILING DETAIL

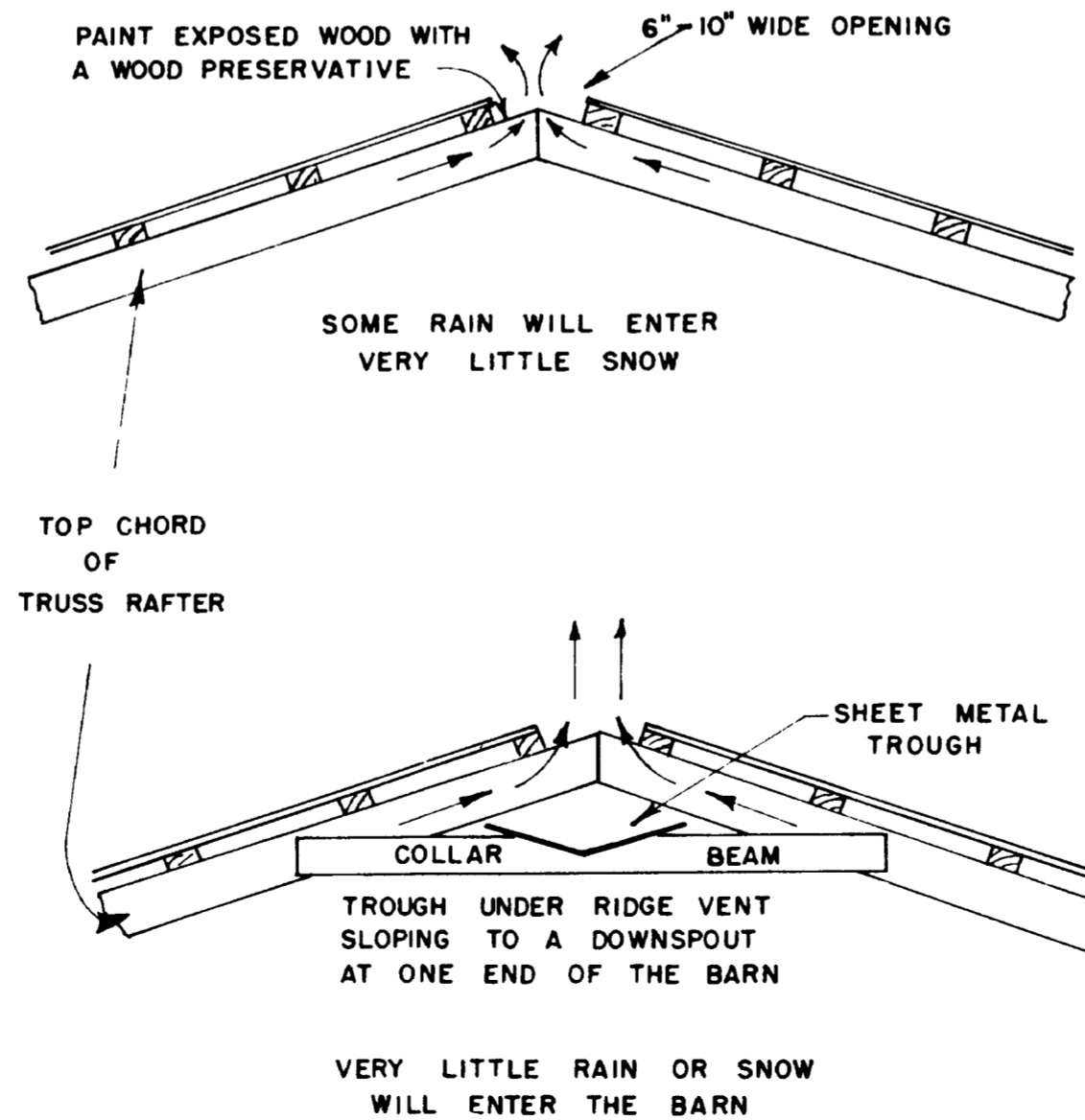


ROOFING DETAIL WITH PURLINS AND METAL ROOFING

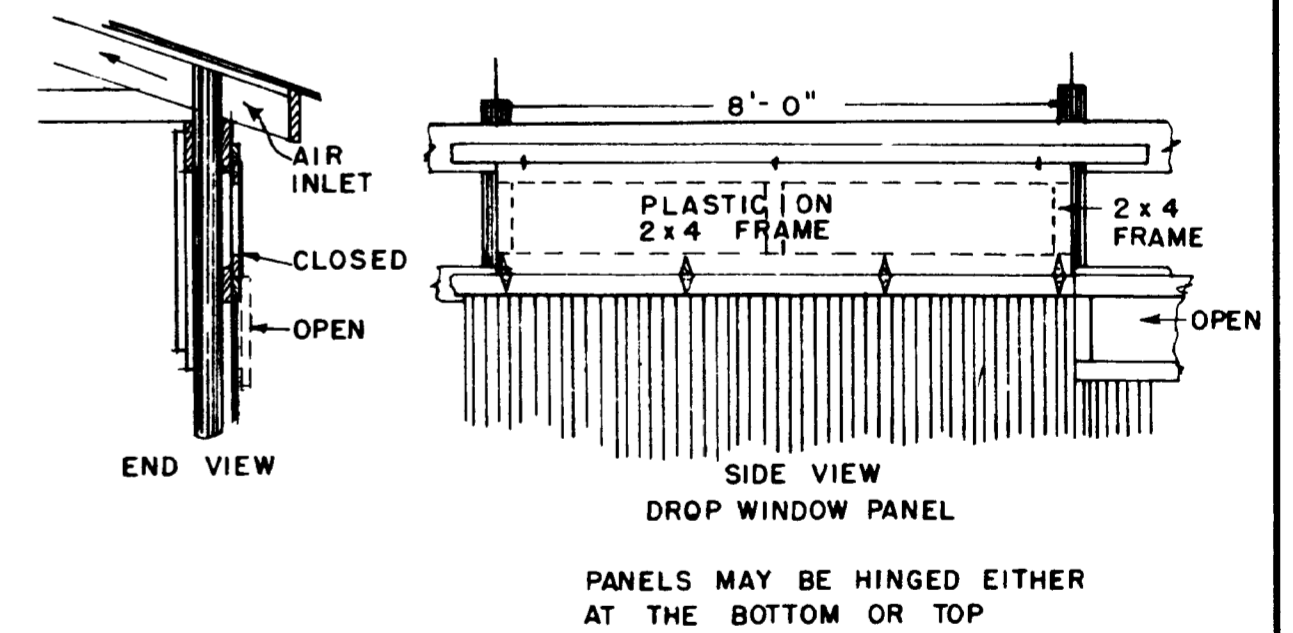
ROOFING



OPEN RIDGE VENT DETAIL



PANEL WINDOW DETAIL

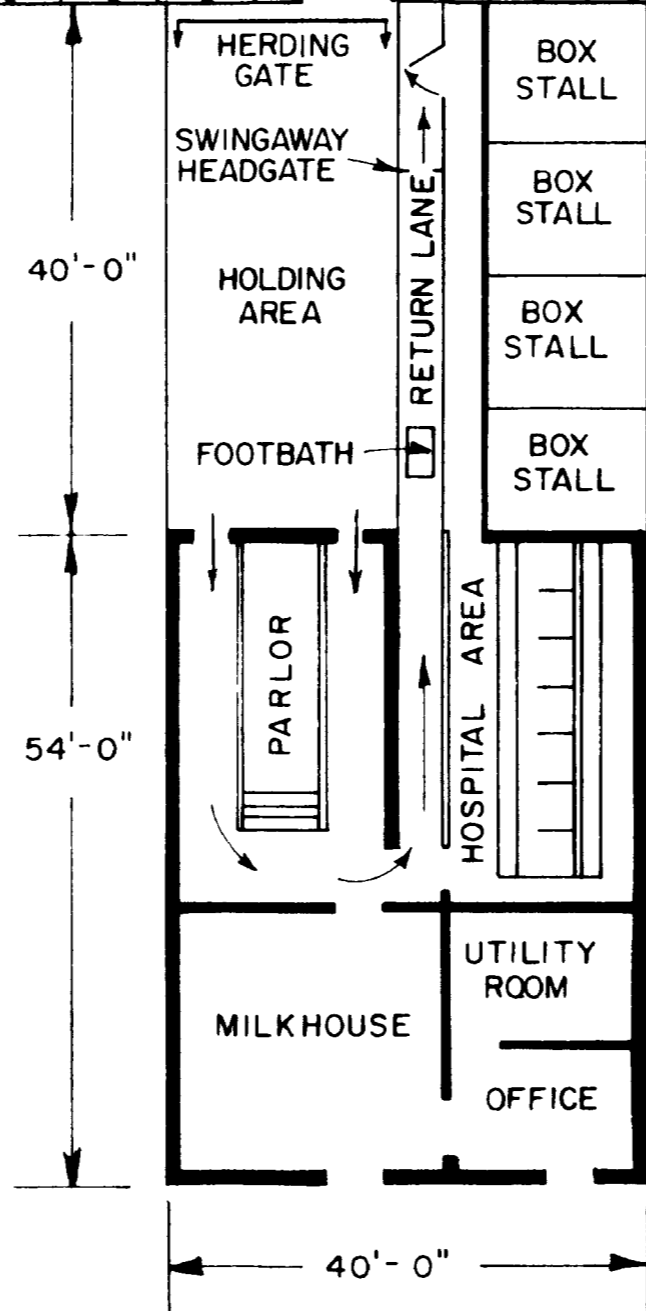
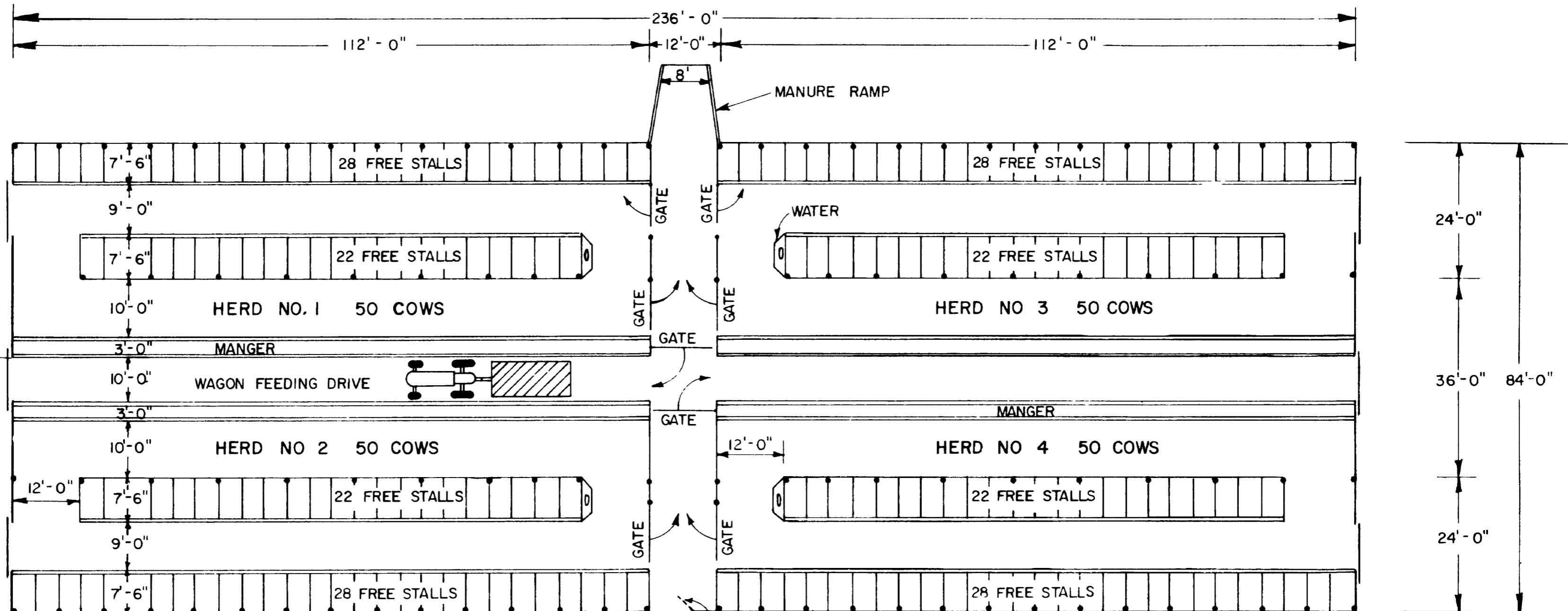


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**FREE STALL BARN
DRIVE-THRU TYPE**

PA '71 6111 SHEET 3 OF 3

REVISED 1972



HERD SIZES AND BUILDING DIMENSIONS				
NUMBER OF COWS			MAIN BARN	HOLDING AREA (16ft ² PER COW)
COMPLETE SYSTEM	RIGHT OR * LEFT HALF	EACH SUB-HERD		
160	80	40	84' x 196'	640ft ² (20' x 32')
200	100	50	84' x 236'	800ft ² (20' x 40')
240	120	60	84' x 276'	960ft ² (20' x 48')
280	140	70	84' x 316'	1120ft ² (20' x 56')
320	160	80	84' x 356'	1280ft ² (20' x 64')

* BUILD EITHER THE RIGHT OR LEFT HALF OF THE FREE STALL BARN AND DIVIDE THE HERD INTO TWO GROUPS

FLOOR PLAN
SCALE 1/16" = 1' - 0"

"THESE PLANS ARE FOR USE AS A CONSTRUCTION GUIDE IF A CONSTRUCTION CONTRACT IS TO BE MADE, WRITTEN SPECIFICATIONS ARE NEEDED."

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**FREE STALL BARN
DRIVE-THRU TYPE**

PA	'71	6111	SHEET 1 OF 3
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REV EWE 12/68