

36' POLE UTILITY BUILDING

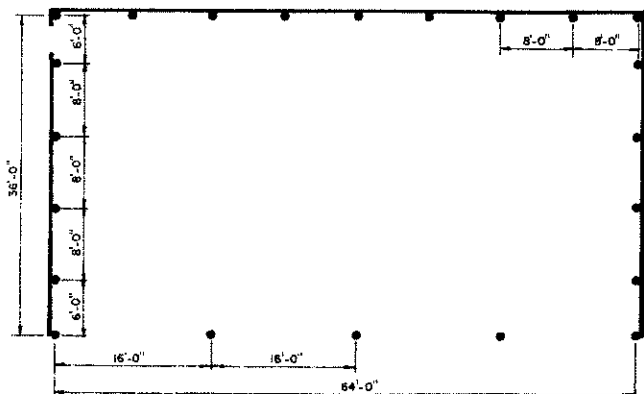
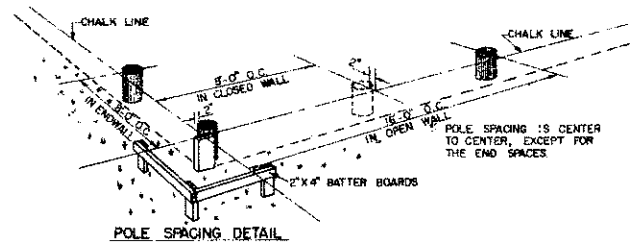
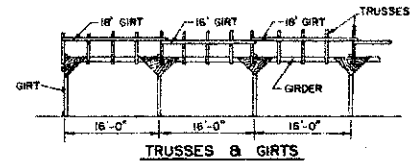
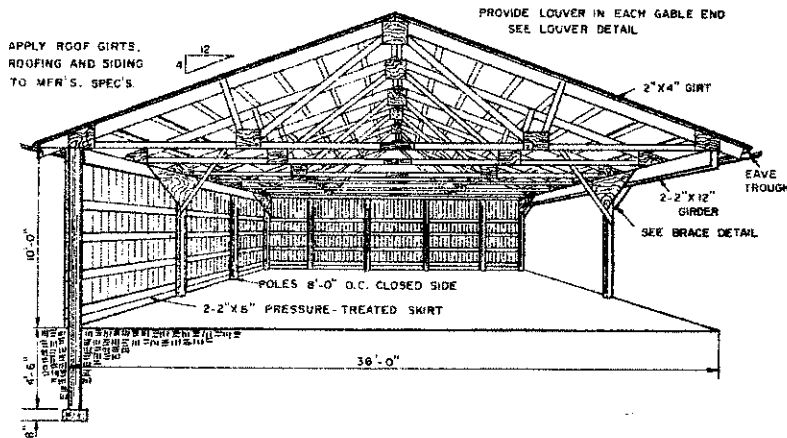
PLAN NO. 72056

WITH ONE SIDE OPEN, THE BUILDING CAN BE USED FOR:
 Beef housing and/or feeding.
 Dairy resting barn.
 Machinery housing.

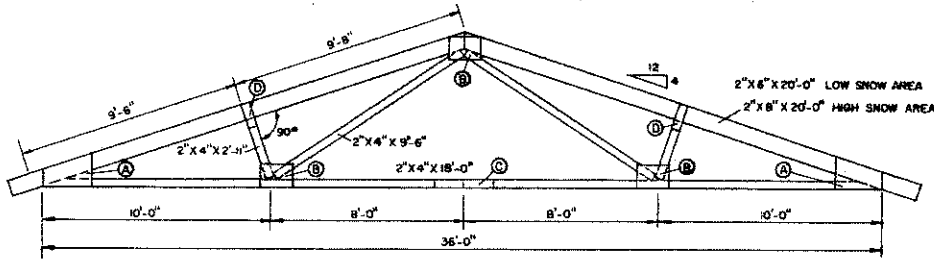
WITH ALL SIDES CLOSED, THE BUILDING CAN BE USED FOR:
 Insulated:
 Livestock housing.
 Poultry housing.
 Uninsulated:
 Rural warehousing.
 Machinery housing.

BUILDING SECTION

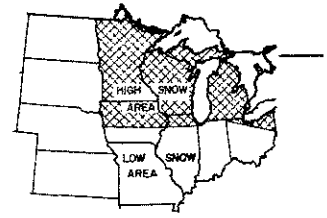
ITEM	DESCRIPTION	48' LONG		ADDITIONAL 16'		
		NO.	FBM	NO.	FBM	
Concrete	Cu. ft.	5		1 1/2		
Poles	5" Top x 16'	8		2		
	4" Top x 16'	11		1		
	2" x 12" x 16'-0"	12	384	4	128	
Girders	Bracing	1/2" x 4" x 8' c-c, Ext. Plywood	3			
		2" x 4" x 12'-0"	6	48	2	16
		2" x 6" x 6'-0"	7	42	3	18
		2" x 6" x 7'-0"	4	28	2	14
Trusses	Girts	See Truss Detail				
		2" x 4" x 16'-0"	18	192	18	192
Skirt	Siding	2" x 4" x 18'-0"	36	432		
		2" x 6" x 16'-0"	9	144	3	48
		2" x 6" x 18'-0"	12	216		
		2" x 6" x 16'-0"	6	96	2	32
Roofing	Louver (1)	2" x 6" x 18'-0"	8	144		
		Sq. ft.	1380		160	
Louver (1)	Screen	Sq. ft.	1920		640	
		Ln. ft. Eaves Trough	96		32	
		2" x 4" x 10'-0"	2	14		
		1" x 6" x 16'-0"	10	80		
		1" x 2" x 10'-0"	2	3 1/3		
		Sq. ft. Screen	48			



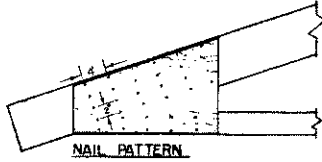
MIDWEST PLAN SERVICE	
Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating	
36' POLE UTILITY BUILDING	
Mar '63	Sheet 1 of 2 Sheets
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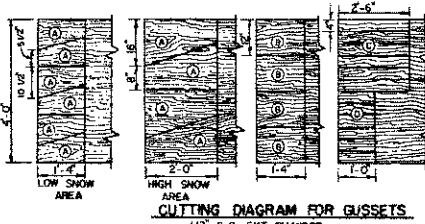
GLUE-NAILED TRUSS



SNOW LOAD MAP



NAIL PATTERN

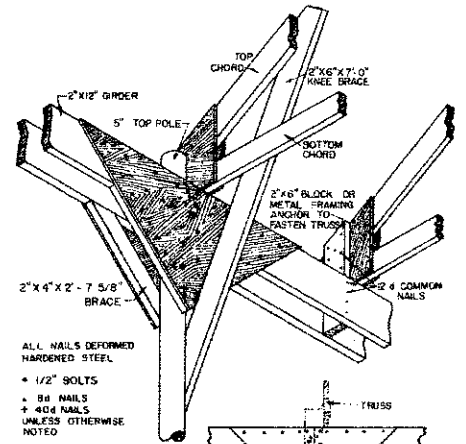


CUTTING DIAGRAM FOR GUSSETS
1/2" C-C, EXT. PLYWOOD
SCALE: 3/8" = 1'-0"

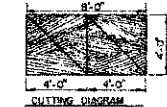
NOTES

1. Glue and nail 1/2" exterior plywood gusset plates on both sides of all joints. Omit plates on the outside face of the two gable-end trusses.
2. Use type "A" casein or resorcinol resin glue and 6d box nails.
3. Mix glue according to manufacturer's specifications and apply to both surfaces to be joined.
4. Select members which are relatively straight, smooth, and clean. Moisture content should not exceed 15%. Fabricate in a room or outdoor temperature above 70°F.
5. All truss members are in the same plane and all joints are butt joints.
6. Truss members are cut to length, and the truss is assembled in a jig in a horizontal position.
7. The assembled truss may be moved carefully from the jig immediately after gusset plates have been applied.
8. Leave trusses stacked in horizontal position for at least 24 hours after assembly.

ONE TRUSS		
ITEM	NO.	DESCRIPTION
Glue & Nailed Truss - 1		
Upper Chord	2	2" x 8" x 20'-0" (high snow area)
	2	2" x 6" x 20'-0" (low snow area)
Lower Chord	2	2" x 4" x 18'-0"
Long Diagonal	2	2" x 4" x 10'-0"
Short Diagonal	2	2" x 4" x 6'-0"
Plywood	1	sheet, 1/2" c-c, ext.
Glue	1 lb.	casein type "A" or resorcinol resin

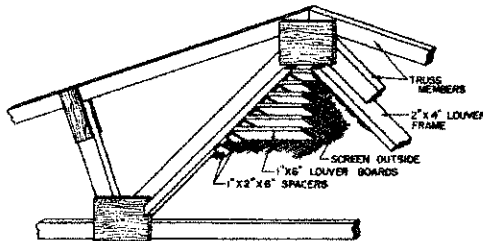


ALL NAILS DEFORMED HARDENED STEEL
+ 1/2" BOLTS
+ 8d NAILS
+ 40d NAILS
UNLESS OTHERWISE NOTED

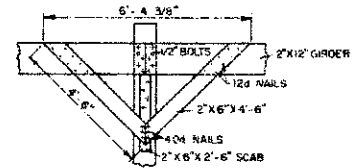


CUTTING DIAGRAM

POLE DETAIL



TYPICAL LOUVER CONSTRUCTION



ALTERNATE CONNECTION

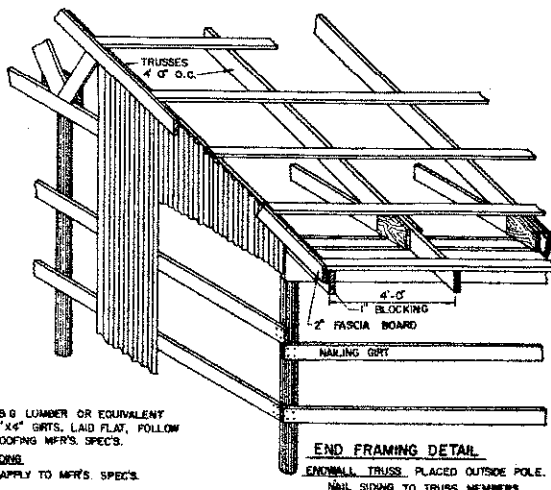
THIS JOINT IS MORE CONVENTIONAL BUT LESS EFFECTIVE THAN THE PLYWOOD DETAIL SHOWN.

REAR WALL CONSTRUCTION - Intermediate 4" top poles in rear wall are non-loadbearing. This construction permits removal of a 4" top pole to make a 16' doorway.

WALL GIRTS - 2" x 4" wall girts may be spaced up to 2'-0" O.C. Use 2" x 6" girts for greater spacings.

All lumber in contact with masonry or the soil should be pressure-treated with an oil-base preservative.

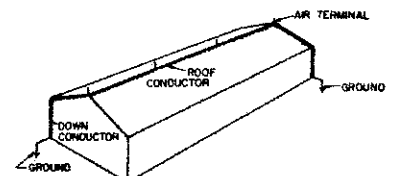
POLE SIZES: 5" top x 15", 16'-0" O.C. in front and back walls. 4" top x 12", intermediate poles in ends and back wall



ROOF DECK
SOLID 7/8" LUMBER OR EQUIVALENT
SPACED: 2" x 4" GIRTS, LAID FLAT, FOLLOW ROOFING MFR'S. SPECS.
ROOFING & SIDING
OPTIONAL: APPLY TO MFR'S. SPECS.

END FRAMING DETAIL

ENDWALL TRUSS PLACED OUTSIDE POLE. NAIL SIDING TO TRUSS MEMBERS.



METAL ROOFS

Ground metal roofs without air terminals by attaching 18" of conductors to roofing with two 3/8" J or U bolts. Ground down conductors as with air terminals.

MASTER LABEL

For maximum lightning protection, obtain a Master Label System as approved by the Underwriters' Laboratories, Inc.

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