

BUILDING SECTION

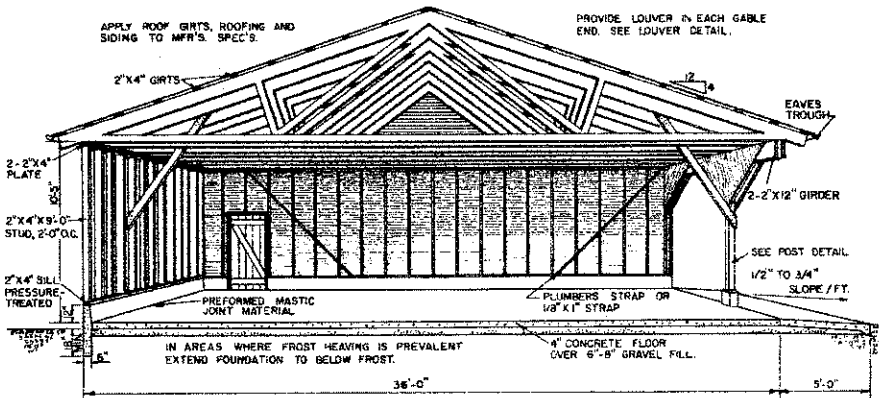
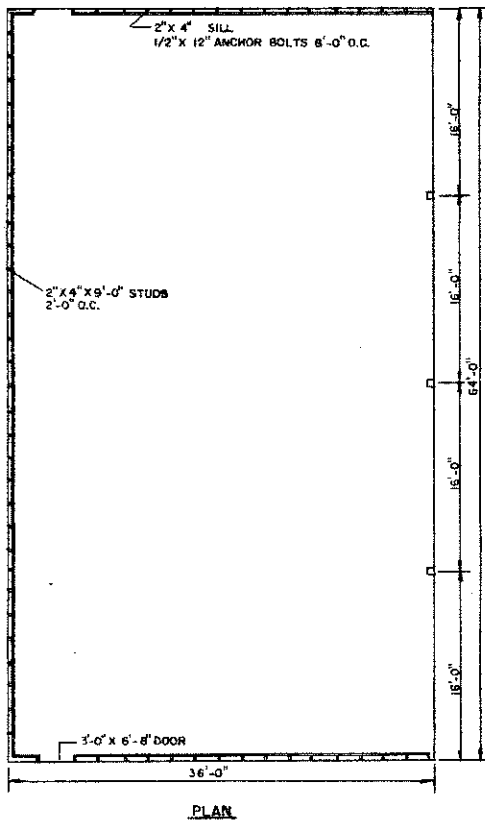
	48' LONG		ADDITIONAL 16'	
	NO.	FBM	NO.	FBM
Concrete Foundation	Cu. yards	6 1/2	1	
Floor	Cu. yards	22	8	
Apron	Cu. yards	3	1	
Mastic	Ln. feet	120	16	
Posts	6" x 6" x 10'-0"	2	60	30
Girders	2" x 12" x 16'-0"	6	192	2
Bracing	1/2" x 4" x 8' c-c, Ext. Plywood	1 1/2		64
	2" x 4" x 7'-0"	4	18 2/3	2
	2" x 6" x 3'-0"	4	12	9 1/3
	2" x 6" x 7'-0"	4	28	1
	Ln. feet 1/2" x 1" Strap	75		7
Trusses		13	4	
Girts	2" x 4" x 16'-0"	30	320	10
	2" x 4" x 18'-0"	30	360	10
Sill	2" x 4" x 9'-0" Pressure treated	4	24	
	2" x 4" x 16'-0" Pressure treated	3	32	10 2/3
Studs	2" x 4" x 9'-0"	71	426	8
Plate	2" x 4" x 10'-0"	8	53 1/3	48
	2" x 4" x 16'-0"	6	64	2
Siding	Sq. feet	1452	160	21 1/3
Roofing	Sq. feet	1920	640	
Louver	Ln. feet Eaves trough	96		32
	2" x 4" x 10'-0"	2	13 1/3	
	1" x 6" x 16'-0"	10	80	
	1" x 2" x 10'-0"	2	3 1/3	
	Sq. ft. Screen	15		
Man door	1" x 6" x 14'-0"	4	28	
	2" x 4" x 8'-0"	1	5 1/3	
	1" x 3" x 14'-0"	1	3 1/2	

36' FRAME UTILITY BUILDING

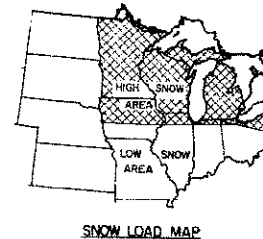
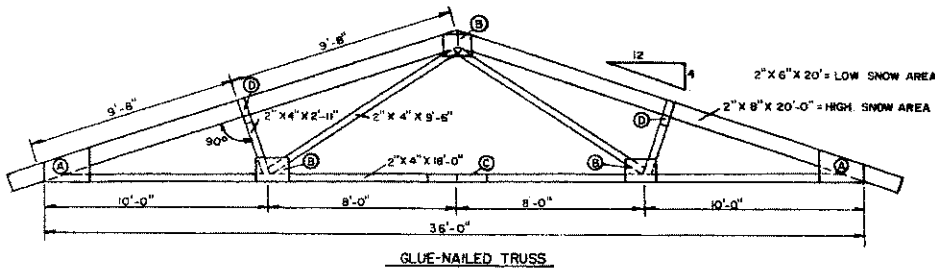
PLAN NO. 72046

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.



MIDWEST PLAN SERVICE	
Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating	
36' FRAME UTILITY BUILDING	
Mar '63	Sheet 1 of 2 Sheets
MIDWEST PLAN NO. 72046	

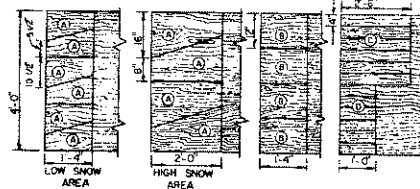


NOTES:

1. Glue and nail $\frac{1}{2}$ " 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.

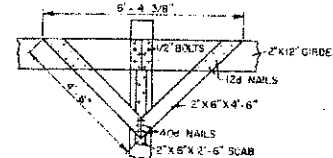
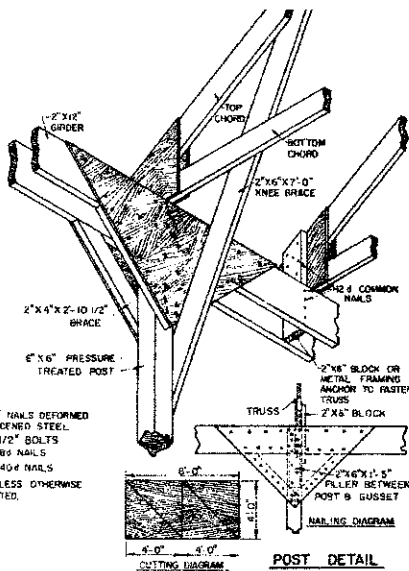
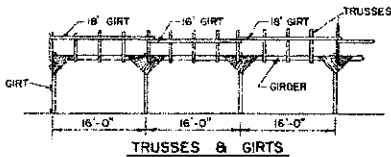
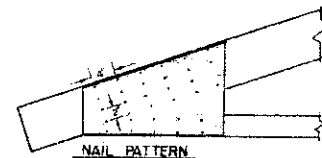
ONE TRUSS

Item	No.	Description
Glue & Nailed Truss - 1		
Upper Chord	1	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	1	2" x 4" x 6'-0"
Plywood	1	sheet, $\frac{1}{2}$ " c-c, ext.
Glue	1 lb.	casein type "A" or resorcinol



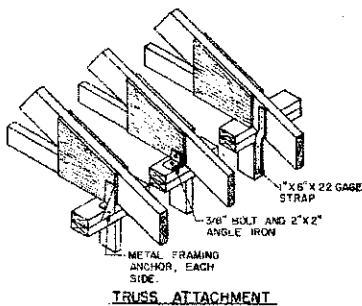
CUTTING DIAGRAM FOR GUSSETS
1/2" C-C, EXT. PLYWOOD

TRUSSES SPACED UP TO 4'-0" O.C.
STRESSES: 1500 PSI BENDING
1200 PSI COMPRESSION
HIGH SNOW: 25 PSF-HP TOTAL
LOW SNOW: 20 PSF-HP TOTAL

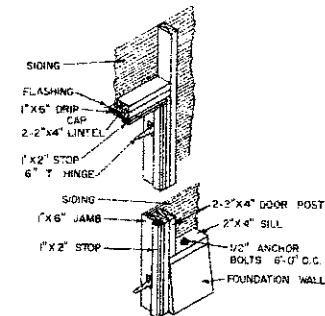


ALTERNATE CONNECTION

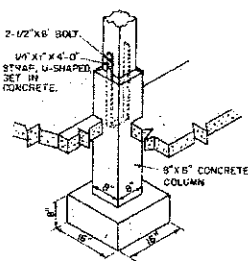
THIS JOINT IS MORE CONVENTIONAL BUT LESS EFFECTIVE THAN THE PLYWOOD DETAIL SHOWN



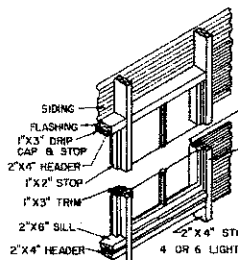
TRUSS ATTACHMENT



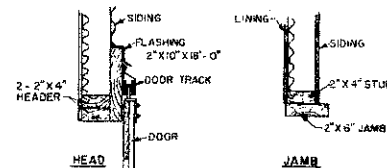
DOOR FRAMING DETAIL



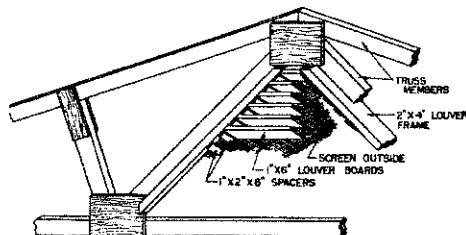
ALTERNATE WALL FRAMING



WINDOW FRAMING DETAIL



SLIDING DOOR DETAILS



TYPICAL LOUVER CONSTRUCTION

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**36' FRAME
UTILITY BUILDING**

Mar '63 Sheet 2 of 2 Sheets
MIDWEST PLAN NO. 72046