

MWPS-72058

50' Pole Utility Building

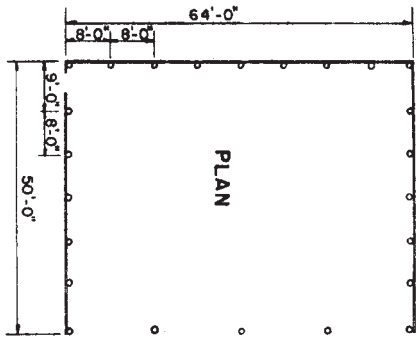
CAUTION!

Additional professional services will be required to tailor this plan to your situation, including but not limited to: assurance of compliance with codes and regulations; review of specifications for materials and equipment; supervision of site selection, bid letting and construction; and provision for utilities, waste management, roads or other access. **Furthermore, any deviation from the given specifications may result in structural failure, property damage, and personal injury including loss of life.**

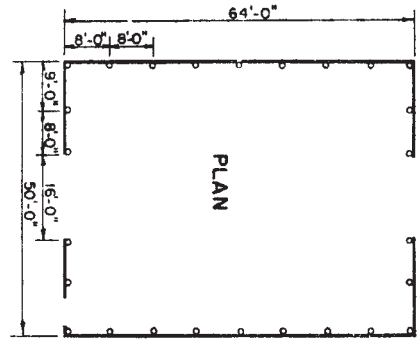
WARRANTY DISCLAIMER

This plan provides conceptual information only. **Neither midwest plan service nor any of the cooperating land-grant universities, or their respective agents or employees, have made, and do not hereby make, any representation, warranty or covenant with respect to the specifications in this plan.** Additional professional services will be required to tailor this plan to your situation, including but not limited to: assurance of compliance with codes and regulations; review of specifications for materials and equipment; supervision of site selection, bid letting and construction; and provision for utilities, waste management, roads or other access.

MIDWEST PLAN SERVICE
Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating
50' Pole Utility Building
Title Page
MIDWEST PLAN NO. 72058



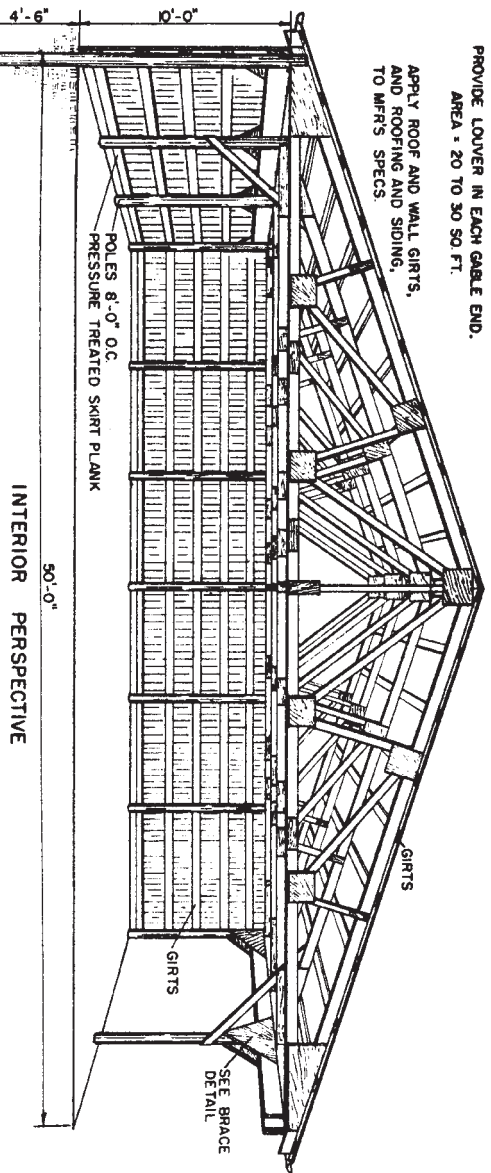
WITH ONE SIDE OPEN, THE BUILDING CAN BE USED FOR:
 Beef housing and/or feeding.
 Dairy resting barn.
 Machinery housing.



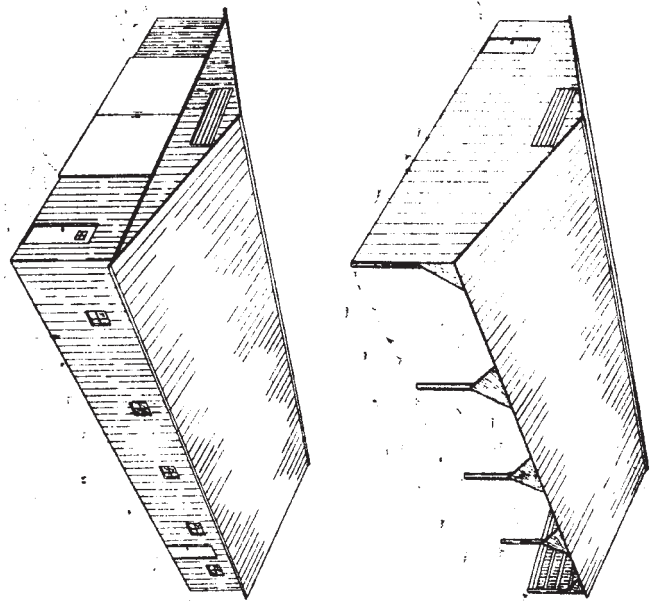
WITH ALL SIDES CLOSED, AND SUITABLE DOORS, THE BUILDING CAN BE USED FOR:
 Drive-through machinery housing.
 Rural warehousing.

PROVIDE LOUVER IN EACH GABLE END.
 AREA = 20 TO 30 SQ FT.

APPLY ROOF AND WALL GIRTS,
 AND ROOFING AND SIDING,
 TO MFR'S SPECS.



INTERIOR PERSPECTIVE

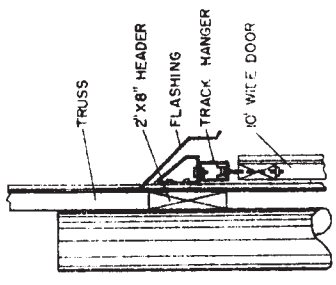
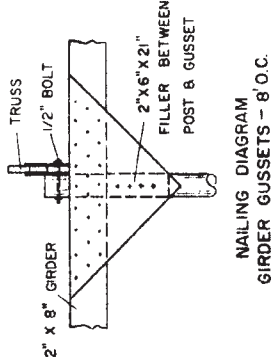
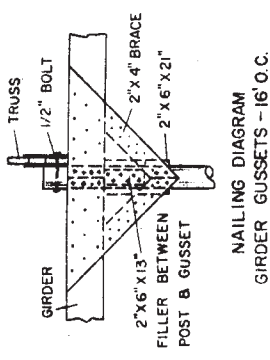
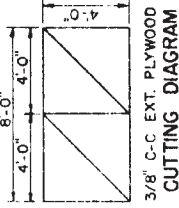


VENTILATION:
 Provide louvers in each end for minimum ventilation. For animal housing in the open shed leave backwall ends open. Drop down doors improve summer ventilation.
 Walls can be 12' high for machine sheds. Provide pressure-treated skirt boards inside poles for cattle housing (usually 3' to 4' high).

SHEET 4: 50' SPAN TRUSSES

MIDWEST PLAN SERVICE
Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating
50' POLE UTILITY BUILDING
Sheet 1 of 4 Sheets
MIDWEST PLAN NO. 72058

- 1/2" BOLTS
- 8d NAILS
- 40d NAILS ARE DEFORMED HARDENED STEEL

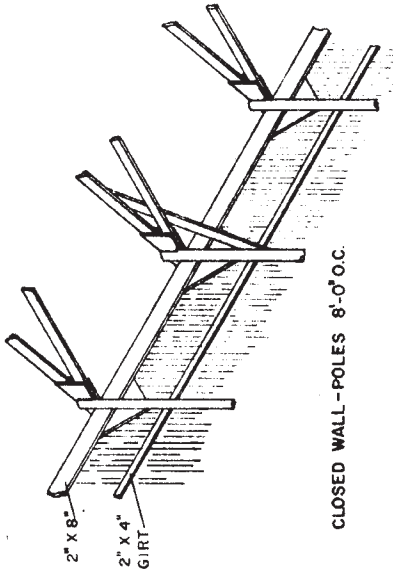


SHEET 4: 50' SPAN TRUSSES

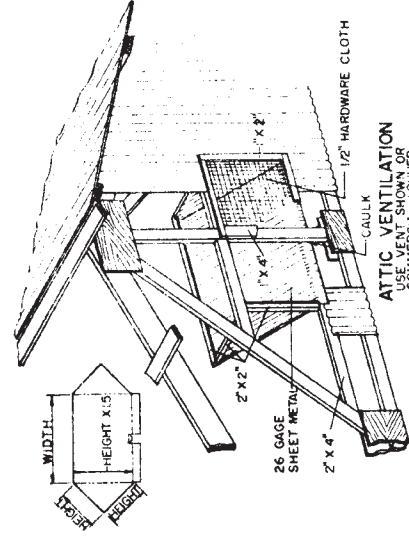
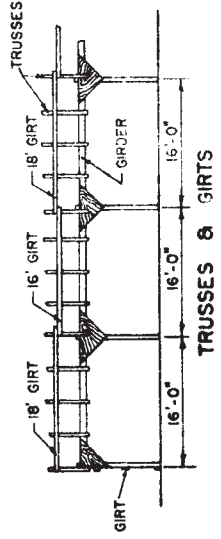
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50' POLE
UTILITY BUILDING
Sheet 2 of 4 Sheets
MIDWEST PLAN NO. 72058

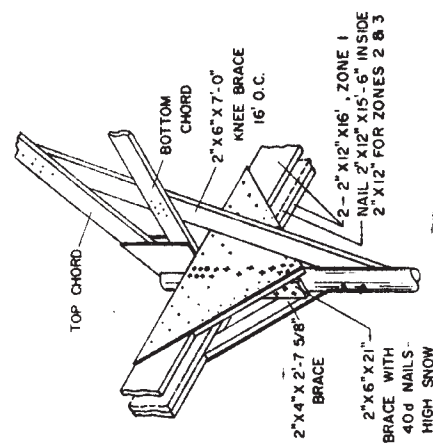
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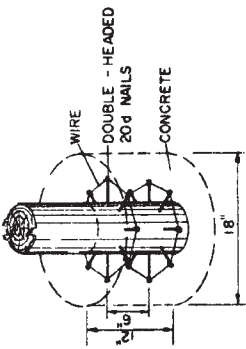
PRESSURE TREATED POLES AND POSTS
Squared Posts, 16' O.C. 6" x 6"
8' O.C. 4" x 6"
12' Wall 6" x 8"
10' Wall 6" x 6"
*Note: Wider dimension is parallel to trusses.
Class 5
(5 1/2" Min. Top) (6" Min. Top)
Douglas Fir, western hemlock,
southern pine, or equivalent.



Gussets may be omitted on one side of endwall truss if building will never be lengthened.

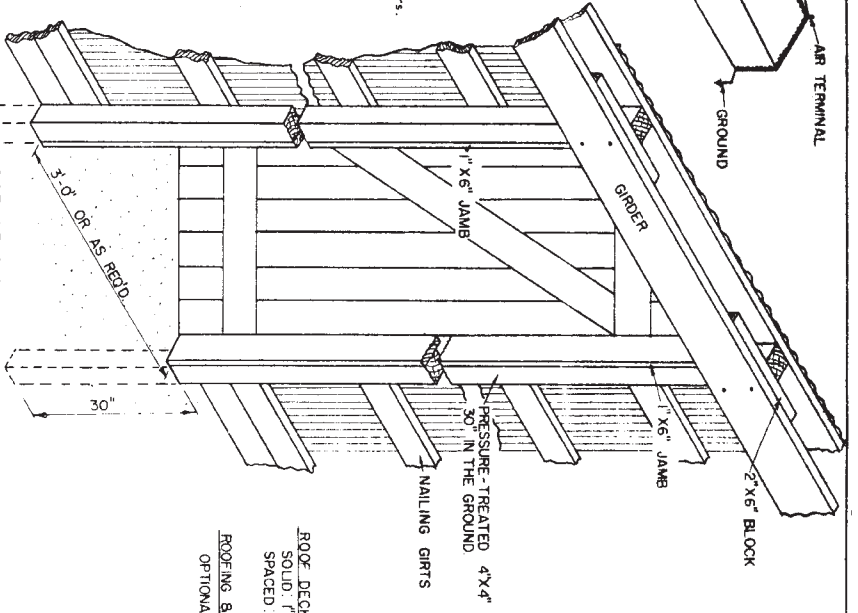
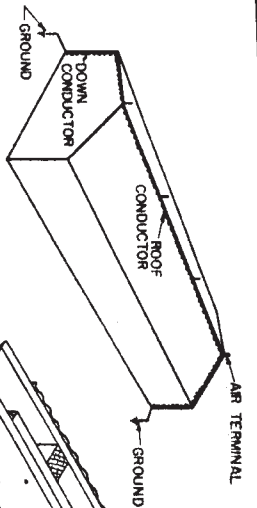


NOTE: DO NOT SUBSTITUTE OTHER FRAMING METHODS FOR THE PLYWOOD GUSSETS SHOWN



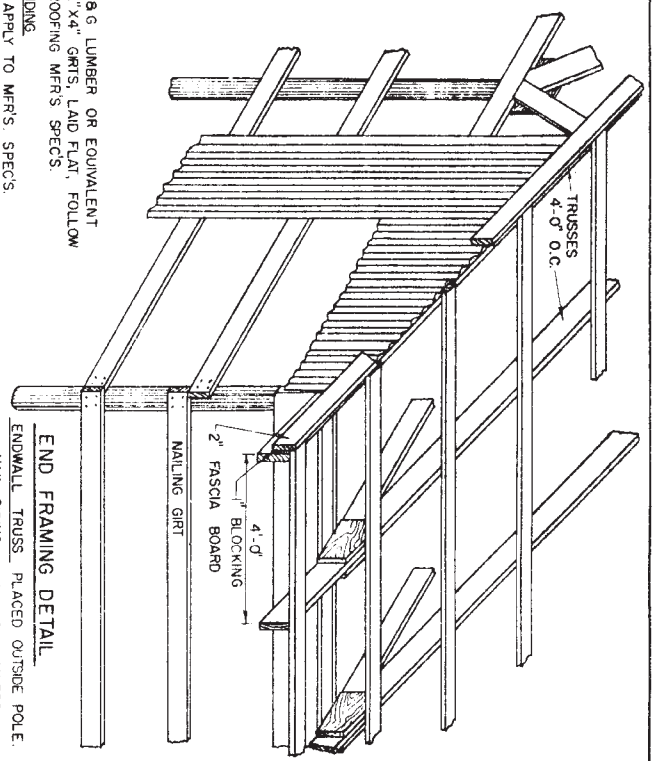
LIST OF MAJOR MATERIALS
(Open Front, Approved)

ITEM	DESCRIPTION	BUILDING SECTION	
		BEGINNING (48") 1/2" Cu. Yds.	ADDITIONAL (16") 1/2" Cu. Yds.
Concrete - under poles		18	2
Poles	6" top x 16"	3	1
	5" top x 16"	18	2
Girders	2" x 12" x 16'-0"	9	3
	Zones 2 & 3	288	3
Bracing	2" x 8" x 16'-0"	3	1
	2" x 4" x 8" c-c, Ext. Plywood	4	21.4
	2" x 4" x 12'-0"	3	8
	2" x 6" x 12'-0"	3	12
	2" x 6" x 14'-0"	2	14
Trusses - 8"	2" x 6" x 16'-0"	54	117.4
Girts	2" x 4" x 18'-0"	30	144
	2" x 6" x 18'-0"	8	128
Skirt	2" x 6" x 18'-0"	8	144
Roofing Squares		29	29
Siding		20	20
Eaves Trough, Ln. Ft.		96	96

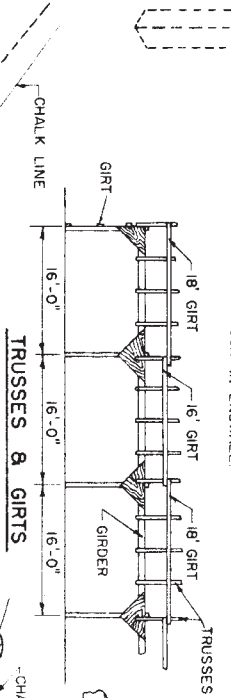


ROOF DECK
SOLID T & G LUMBER OR EQUIVALENT
SPACED: 2" X 4" GIRTS, LAID FLAT, FOLLOW
ROOFING MFR'S SPECS.

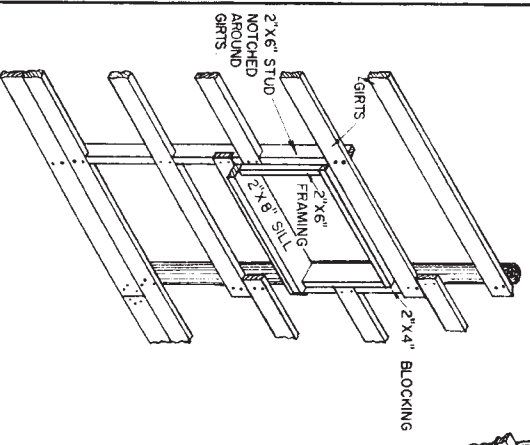
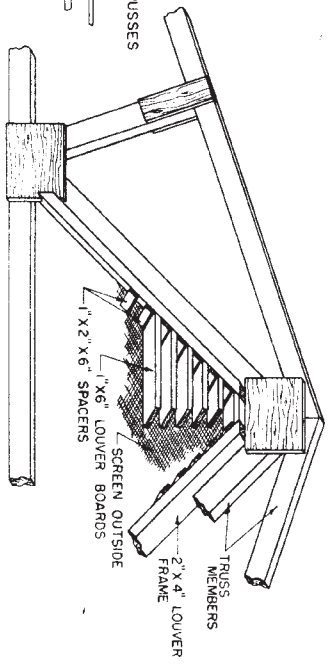
ROOFING & SIDING
OPTIONAL APPLY TO MFR'S SPECS.



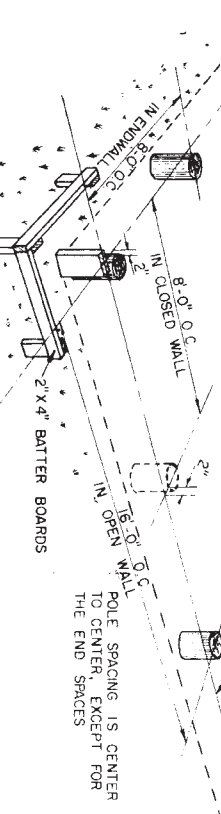
DOOR FRAMING DETAIL
USE SIMILAR FRAMING FOR LARGE DOOR IN ENDWALL.



TYPICAL LOUVER CONSTRUCTION



POLE SPACING DETAIL



SHEET 3, 24' SPAN TRUSSES	
MIDWEST PLAN SERVICE	
COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS AND AGRICULTURAL EXPERIMENT STATIONS OF NORTH CENTRAL REGION, USDA COOPERATING	
24' POLE	
UTILITY BUILDING	
6011	SHEET 2 OF 3 SHEETS
MIDWEST PLAN NO. 72054	

BUILDING SECTION (16' LONG)

ITEM	DESCRIPTION	BEGINNING NO. FBM	ADDITIONAL NO. FBM	CLOSING NO. FBM
Concrete	Cu. feet			
Poles	5" Top x 16'	4	2	2
	4" Top x 16'	4	2	2
Girders	2"x8"x16'0"	3	1	3
Bracing-	3/4"x4"x8' c-c, Ext. Plywood	4	85 1/3	4
	2"x4"x14'0"	1 1/2	1	1 1/2
	2"x6"x6'0"	3	2	1
	2"x6"x7'0"	2	12	1
	2"x6"x7'0"	2	14	1
Trusses	See Page 3	5	3	4
Girts	2"x4"x16'0"	7	74 2/3	7
	2"x4"x18'0"	7	84	7
Skirt	2"x6"x16'0"	10	160	10
Siding	2"x6"x16'0"	5	80	5
Roofing	Sq. feet	445	160	445
	Ln. feet Eaves trough	448	448	448
Louwer	2"x4"x6'0"	32	32	32
	1"x6"x10'0"	2	2	2
	1"x2"x12'0"	5	25	5
	Sq. ft. screen	1	1	1
Man door	4"x4"x12'6"	15	34	15
	2"x6"x2'0"	1	2	1
	1"x6"x10'0"	11	55	11

