

MWPS-72044

24' Frame Utility Building

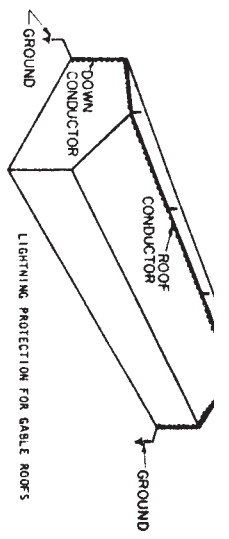
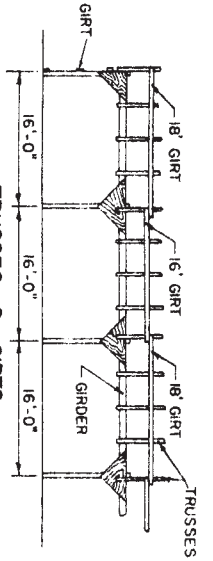
CAUTION!

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
24' Frame Utility Building
Title Page
MIDWEST PLAN NO. 72044



LIGHTNING PROTECTION FOR GABLE ROOFS

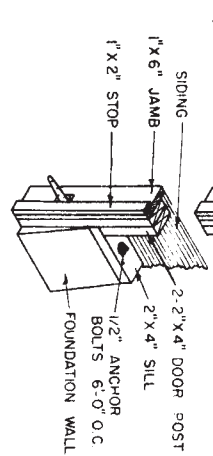
Air Terminals
At least 24\"/>

Grounds
One ground per down conductor.
Rods buried at least 10\"/>

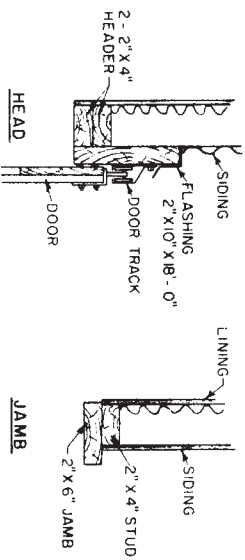
Metal Roofs
Ground metal roofs without air terminals by attaching 18\"/>

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

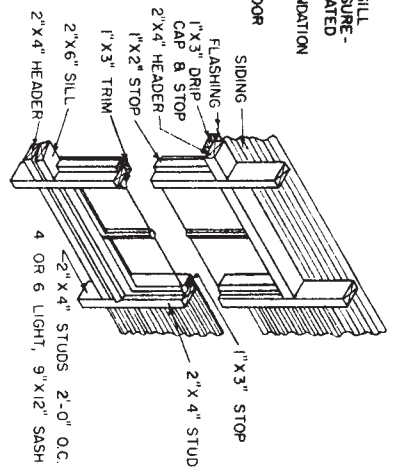
DOOR FRAMING DETAIL



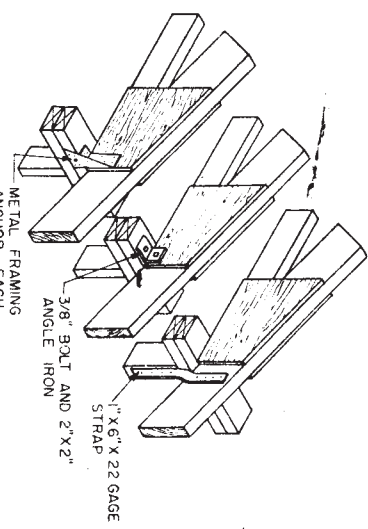
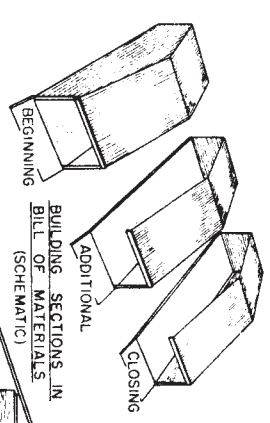
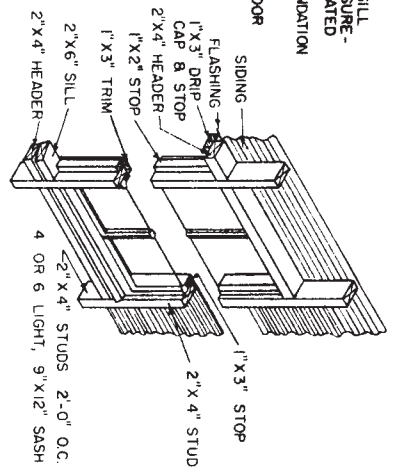
SLIDING DOOR DETAILS



WALL FRAMING

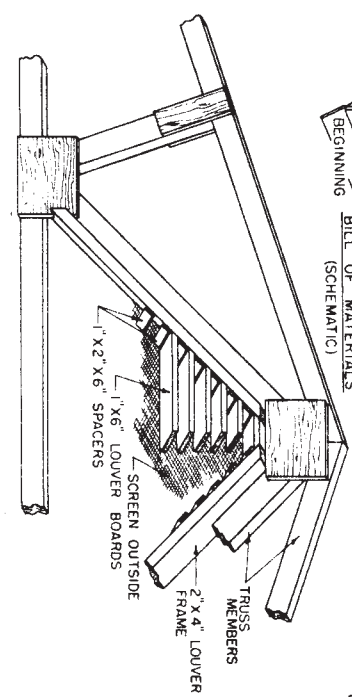


WINDOW FRAMING DETAIL



TRUSS ATTACHMENT

Concrete Foundation	Cu. Yards	2	1	2
Floor	Cu Yards	4 3/4	1	4 3/4
Apron	Cu Yards	1	1	1
Mastic	Ln. Feet	40	16	40
Posts	6"x6"x10'0"	30		
Girders	2"x8"x16'0"	42 3/3	2 1/2	42 2/3
Bracing	1"x8"x8'8" C-C. Ext. Plywood	3 3/4	2 1/2	1 1/4
	2"x6"x7'0"	3	2	1
	2"x6"x3'0"	14	1	3
	2"x6"x7'0"	7	1	7
	Ln. feet 1/8"x1" strap	45	4	45
Trusses	See Page 3	5	4	4
Girts	2"x4"x16'0"	7	7 1/2	7 1/2
	2"x4"x18'0"	7	8 1/4	8 1/4
	2"x4"x20'0"	2	16	2
	2"x4"x20'0"	1	10 2/3	10 2/3
	Pressure-treated	24	14 1/2	138
Studs	2"x4"x9'0"	24	8	23
Plate	2"x4"x12'0"	2	3 1/2	12
	2"x4"x16'0"	2	21 1/3	21 1/3
Stiding	Sq. feet	44 1/2	160	44 1/2
Rodding	34' feet	44 1/2	44 1/2	44 1/2
Lower	2"x4"x6'0"	32	32	32
	1"x6"x10'0"	8		8
	1"x2"x12'0"	5	25	25
	1"x2"x12'0"	1	2	2
	1"x6"x14'0"	15		15
	2"x6"x14'0"	4	28	4
	2"x6"x8'0"	1	5 1/3	1
	1"x3"x14'0"	1	3 1/2	3 1/2
Man door	1"x3"x14'0"	1		1



TYPICAL LOUVER CONSTRUCTION

SHEET 3: 24' SPAN TRUSSES

MIDWEST PLAN SERVICE

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS OF NORTH CENTRAL REGION USDA COOPERATING

24' FRAME

UTILITY BUILDING

MIDWEST PLAN NO. 72044

6011 SHEET 2 OF 3 SHEETS