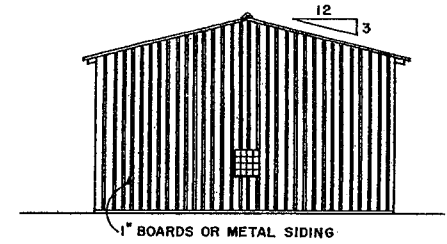
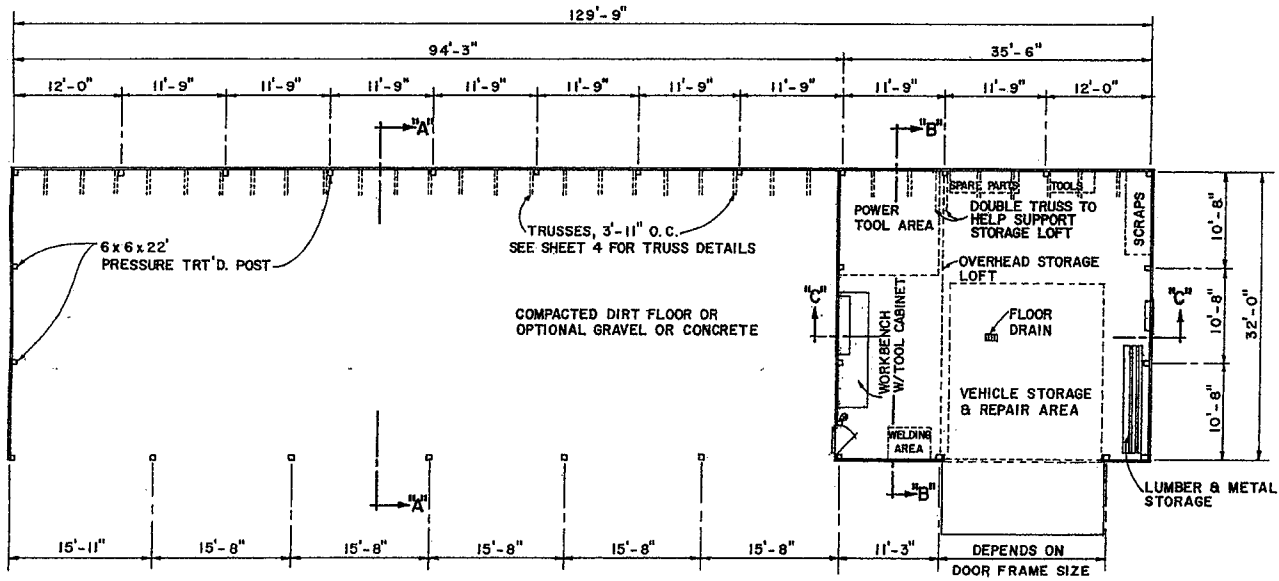


FRONT ELEVATION

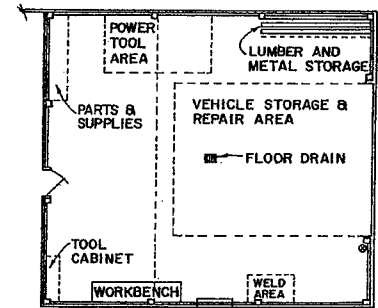


END ELEVATION

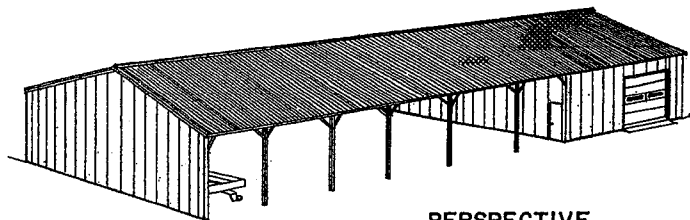
NOTE: CONSULT LOCAL BUILDING CODE AUTHORITIES BEFORE STARTING CONSTRUCTION.



FLOOR PLAN



OPTIONAL SHOP LAYOUT



PERSPECTIVE
NO SCALE



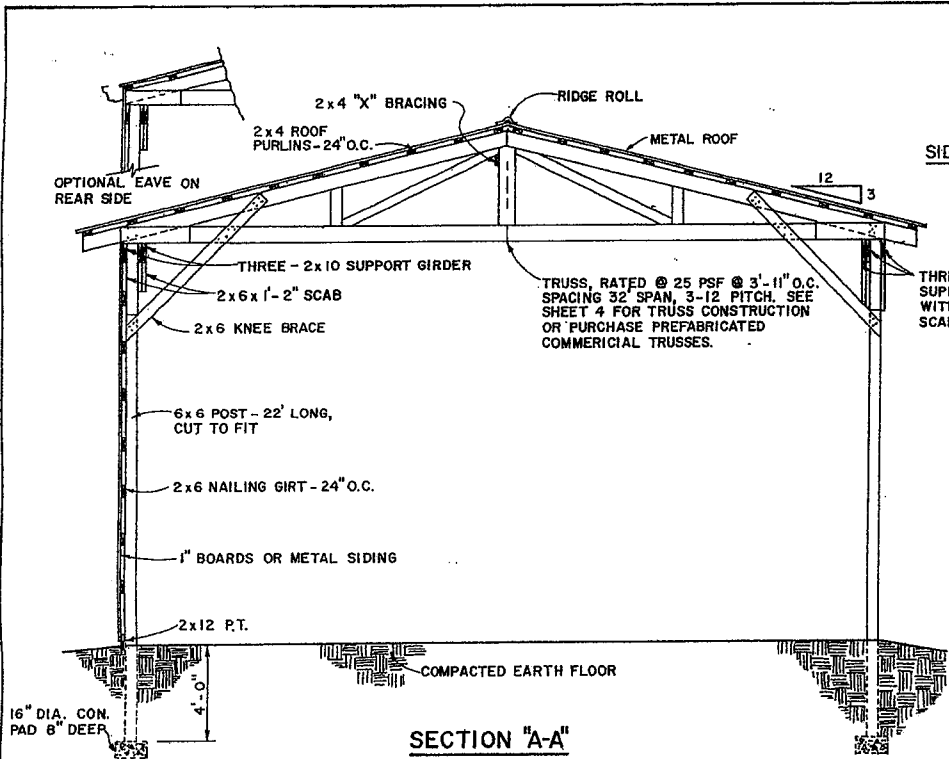
SCALE: 3/32" = 1'-0" UNLESS OTHERWISE NOTED



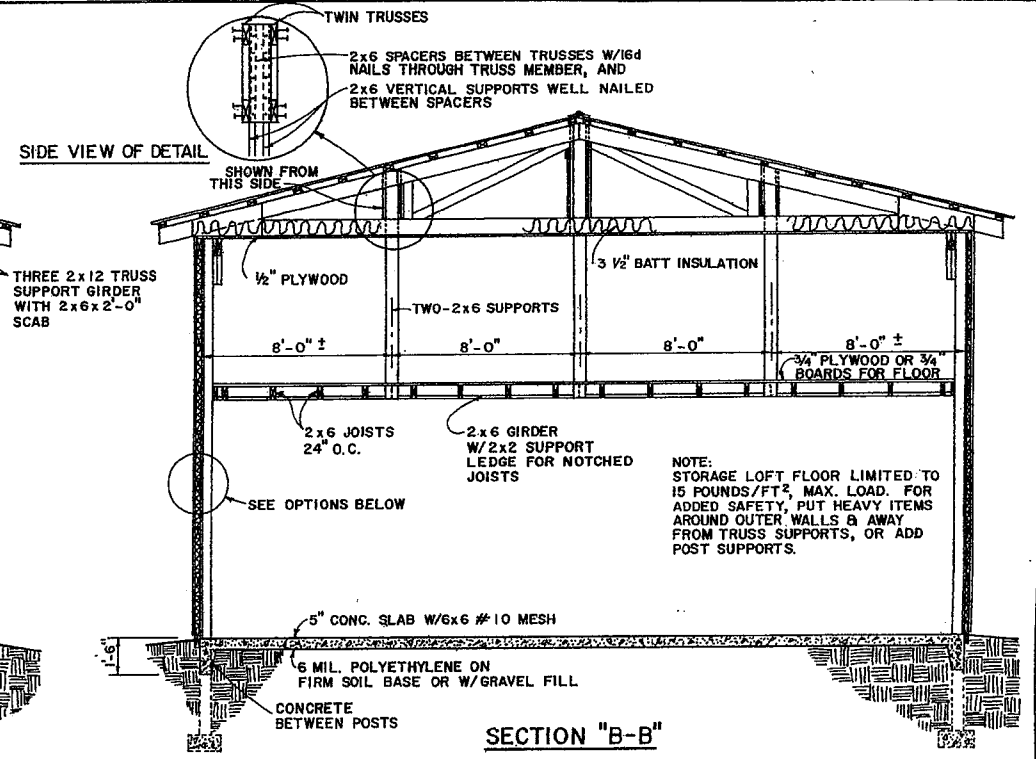
MACHINERY SHED

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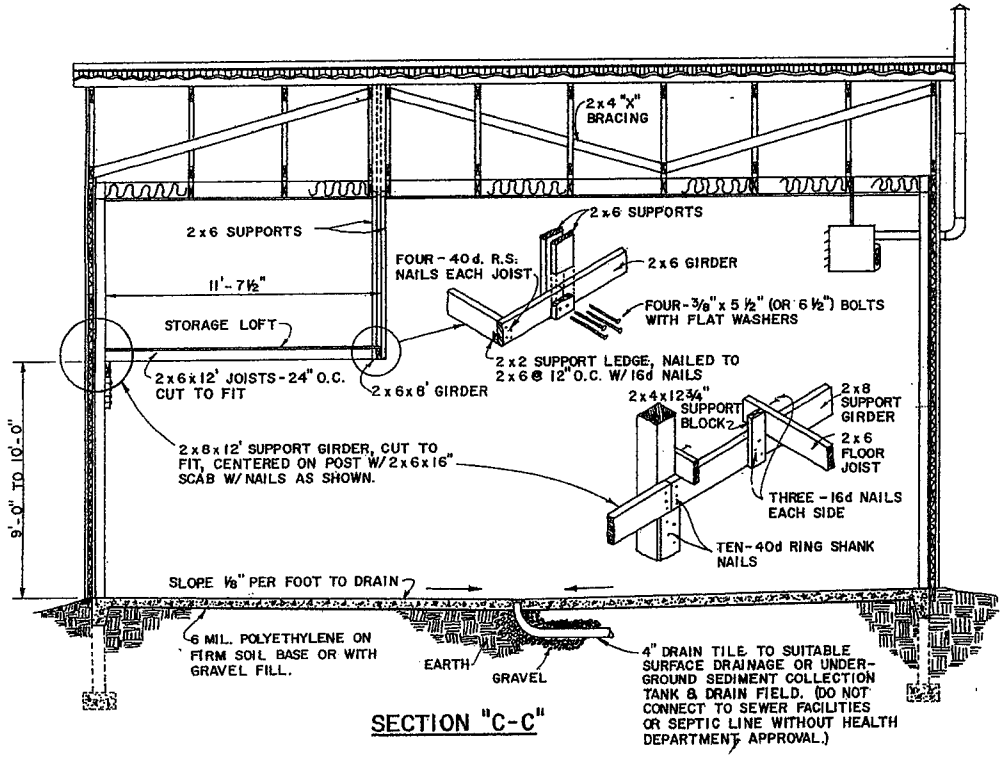
BASED ON: U. OF KENTUCKY PLAN NO. 11-741-8



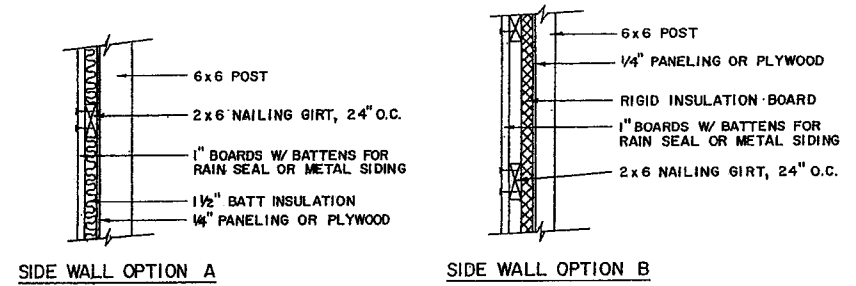
SECTION "A-A"



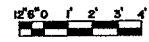
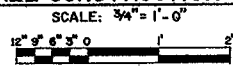
SECTION "B-B"



SECTION "C-C"



SIDE WALL CONSTRUCTION OPTIONS

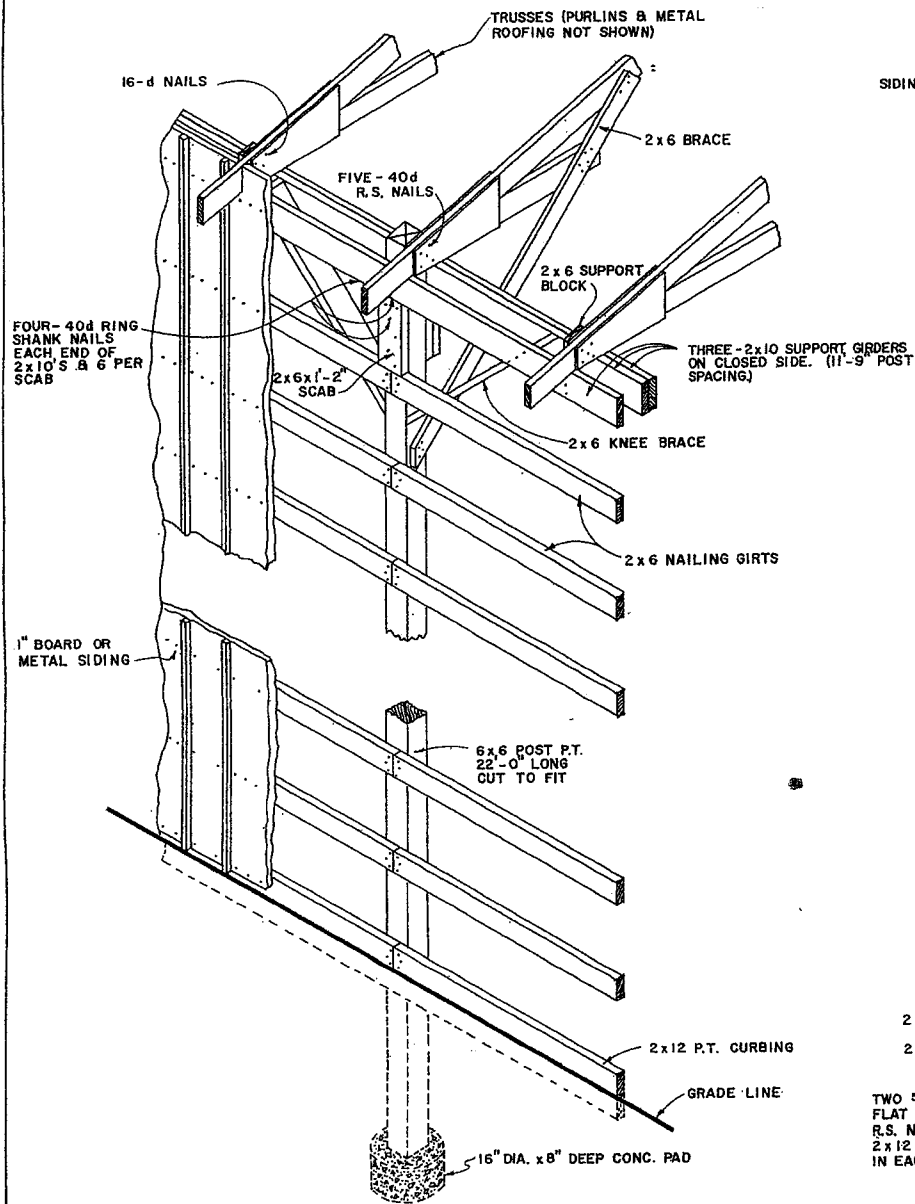


NOTE:
 ANOTHER OPTION IS TO FRAME IN A 2x4 STUD WALL BETWEEN THE POSTS & USE 3 1/2" BATT INSULATION & PANELING, DRYWALL OR PLYWOOD COVERING.

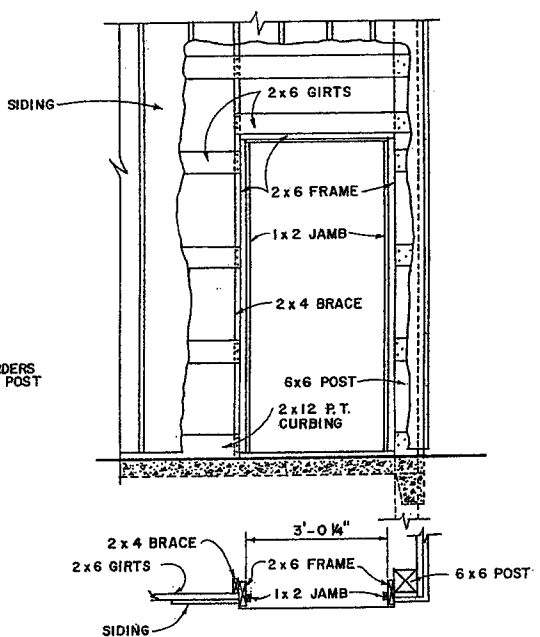
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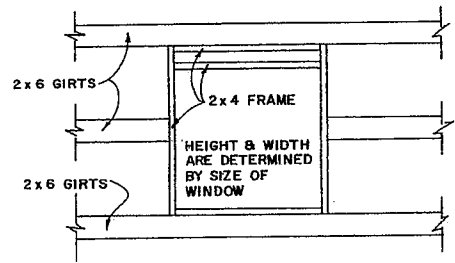
KY. '77	6287	SHEET 2 OF 4
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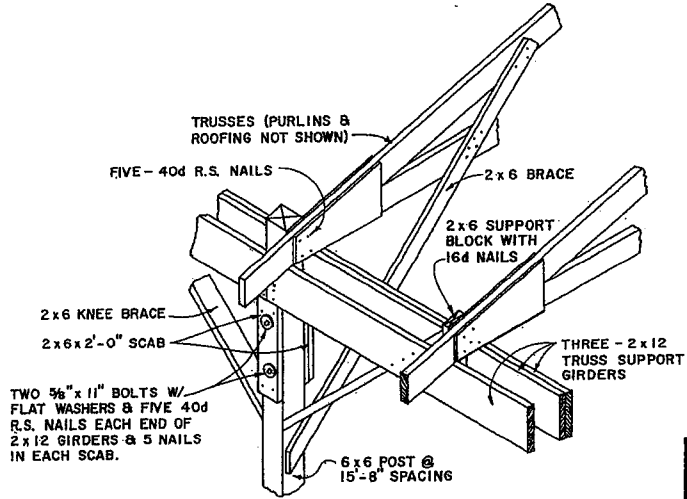
SIDE WALL CONSTRUCTION DETAIL
(FOR SHED)
NO SCALE



DOOR FRAMING DETAIL
NO SCALE



WINDOW FRAMING DETAIL

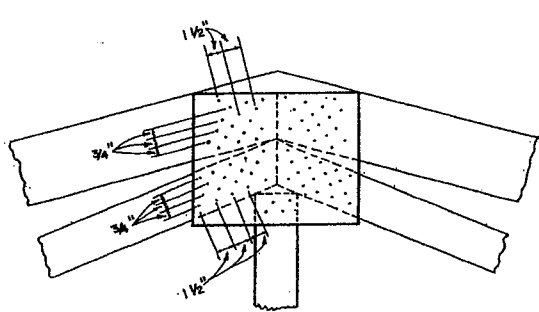


POST CONSTRUCTION DETAIL
(ENTRY SIDE OF SHED)



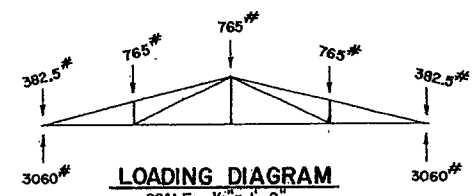
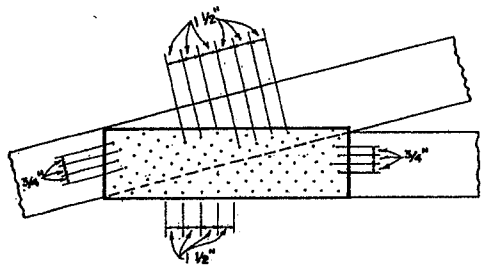
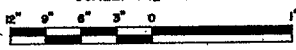
SCALE: 1/2" = 1'-0" UNLESS OTHERWISE NOTED

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MACHINERY SHED		
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EXAMPLE NAILING PATTERN

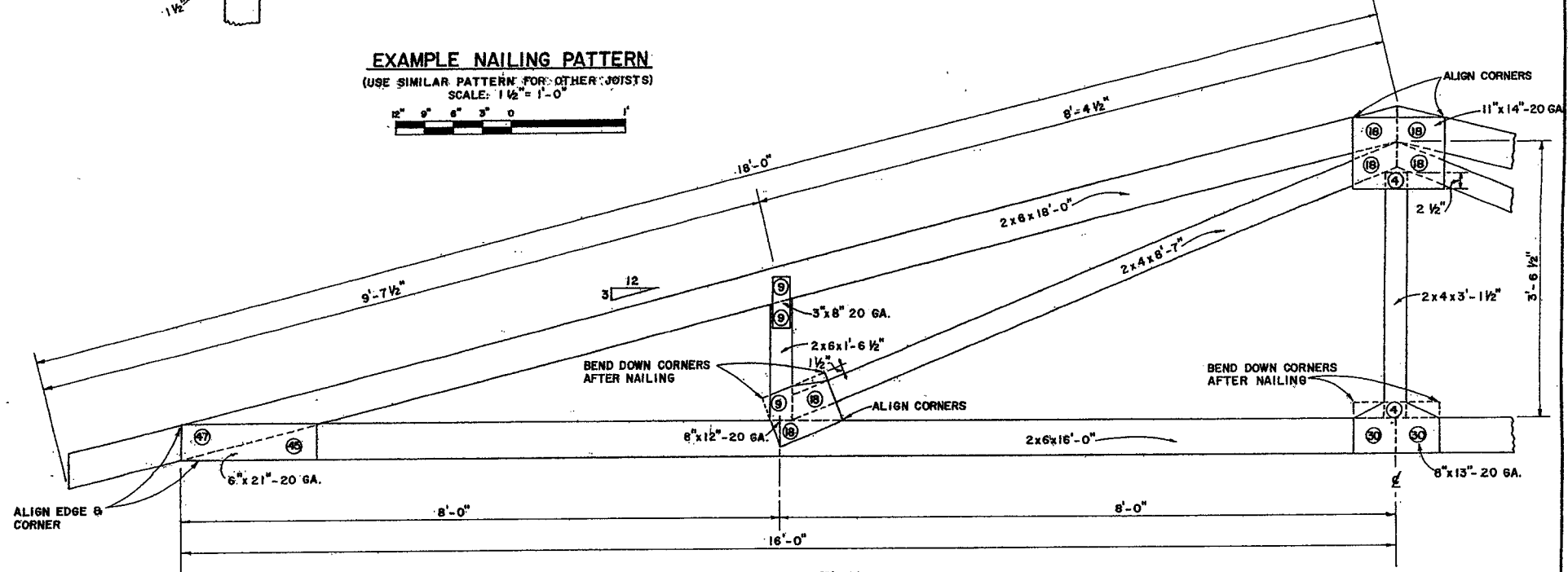
(USE SIMILAR PATTERN FOR OTHER JOISTS)
SCALE: 1 1/2" = 1'-0"



LOADING DIAGRAM

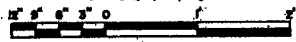
SCALE: 1/8" = 1'-0"
12" x 12" x 3/4" x 5"

DESIGN LOADS @ 4' SPACING
① ROOF, WIND, SNOW = 25 PSF. ON TOP CHORD.
② NONE ON BOTTOM CHORD EXCEPT FOR LOFT.



TRUSS ELEVATION

SCALE: 1" = 1'-0"



SPECIFICATIONS FOR NAIL-ON METAL-GUSSET-PLATE TRUSS CONSTRUCTION:

- LUMBER SHALL BE DRESSED, KILN DRY, STANDARD OR CONSTRUCTION GRADE DOUG. FIR, NO. 1 OR 2 SOU. YEL. PINE, OR EQUIVALENT.
- GUSSET PLATES SHALL BE GALVANIZED STEEL, 18 OR 20 GAUGE AS SPECIFIED, ONE ON BOTH SIDES OF EACH JOINT. PLATES MAY BE PRE-PUNCHED OR BLANK (DRIVE NAILS RIGHT THROUGH BLANK PLATE).
- NAILS SHALL BE 1-1/2", 11 GAUGE, SCREW-SHANK, HARDENED, PALLET-TYPE NAIL.
- NUMBER OF NAILS DRIVEN THROUGH GUSSET PLATE INTO EACH SIDE OF EACH MEMBER IS SHOWN BY NUMERALS IN CIRCLE AT EACH JOINT. DRIVE ALL NAILS SNUG AGAINST THE METAL PLATE.
- ALIGN GUSSET PLATE OVER JOINT AS SHOWN ON TRUSS DIAGRAM. BEGIN NAILING IN CENTER OF GUSSET PLATE AND PROGRESS OUTWARDS TO ELIMINATE WRINKLES.
- SPACE NAILS EVENLY OVER GUSSET PLATE ABOUT 1-1/2" APART ALONG GRAIN OF WOOD AND 3/4" APART ACROSS GRAIN IN STAGGERED PATTERN AS SHOWN AT THE RIGHT FOR MAXIMUM STRENGTH AND NO SPLITTING.
- USE A JIG TO KEEP TRUSS MEMBERS ALIGNED AND PROVIDE FIRM SUPPORT UNDERNEATH FOR NAILING. BUTT ALL JOINTS TOGETHER TIGHTLY. A FEW NAILS IN EACH JOINT SHOULD COME WITHIN 3/8 TO 1/2 INCH OF JOINT BUTT-ENDS AND EDGES TO HOLD METAL PLATE FLAT.
- DO NOT FABRICATE ANY JOINT HAVING A KNOT OR OTHER WOOD IMPERFECTION UNDER OR ADJACENT TO GUSSET PLATE.
- HANDLE TRUSS WITH CARE WHEN ROTATING TO ATTACH OPPOSITE-SIDE GUSSET PLATES.



BILL OF MATERIALS

ITEM	NO.	SIZE	QUANTITY
Top Chord	2	2 x 6 x 18'	35 bd. ft.
Bottom Chord	2	2 x 6 x 16'	32 bd. ft.
Diagonals	2	2 x 4 x 1'-6 1/2"	2.1 bd. ft.
	2	2 x 4 x 8'-7"	11.4 bd. ft.
	1	2 x 4 x 3'-1 1/2"	2.1 bd. ft.
			89.5 bd. ft.
Metal Plates	4	6 x 21 - 20 GA	
	4	8 x 12 - 20 GA	
	4	3 x 8 - 20 GA	
	2	11 x 14 - 20 GA	
	2	8 x 13 - 20 GA	
Nails	900	1 1/2", 11 GA., Screw Shank	6 lbs.

NOTE:
DETAILS OF WOOD GUSSETS AND NAILING NOT SHOWN. METAL GUSSETS ARE PREFERRED.



MACHINERY SHED

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Disclaimer

This site makes available conceptual plans that can be helpful in developing building layouts and selecting equipment for various agricultural applications. These plans do not necessarily represent the most current technology or construction codes. They are not construction plans and do not replace the need for competent design assistance in developing safe, legal and well-functioning agricultural building system. The LSU Agriculture Center, the Mid-West Plan Service, the United States Department of Agriculture and none of the cooperating land-grant universities warranty these plans.