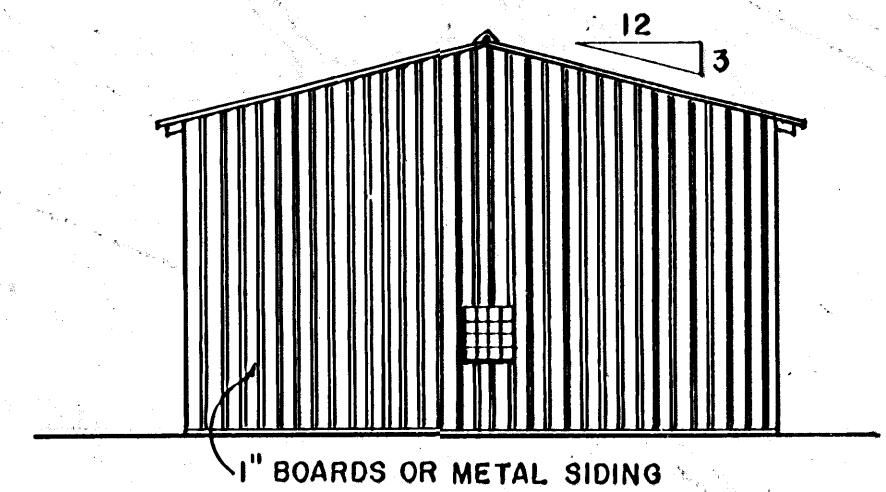
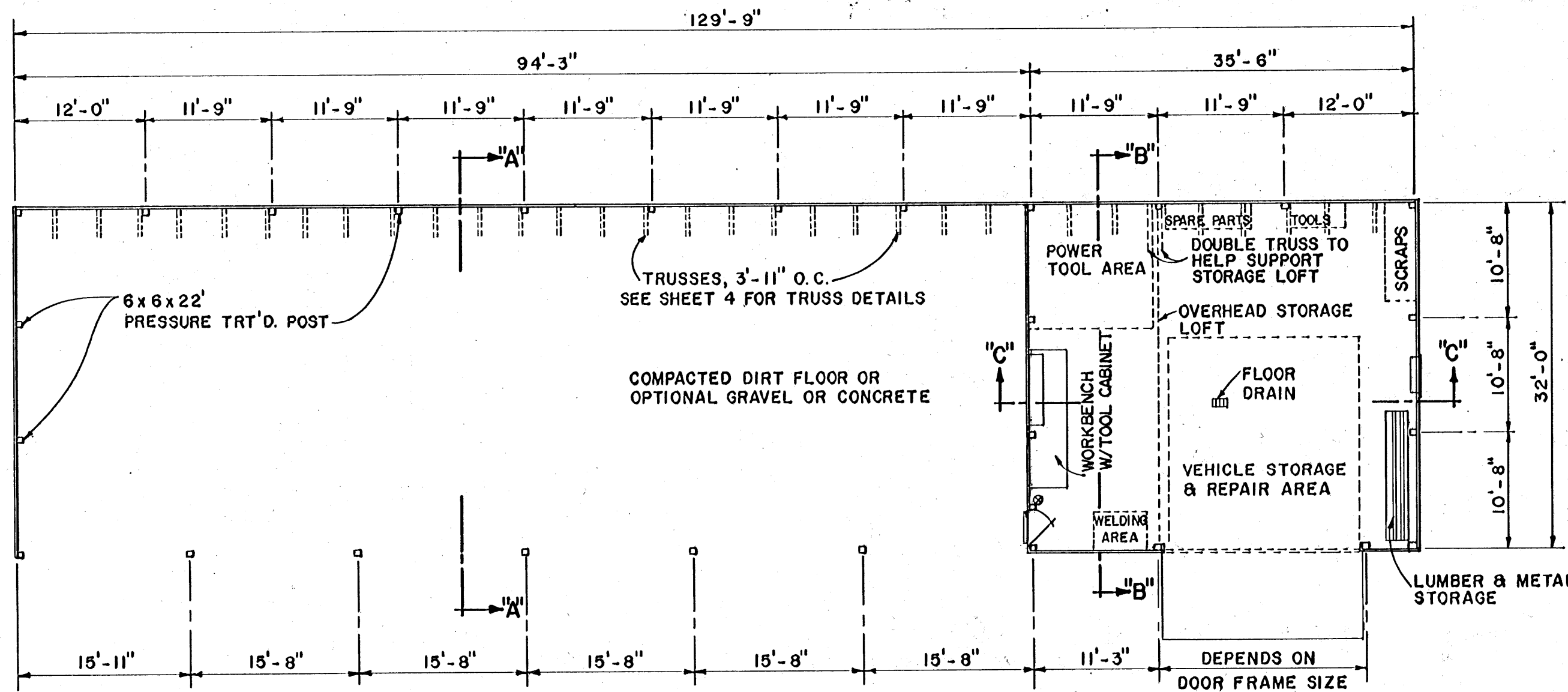


**FRONT ELEVATION**

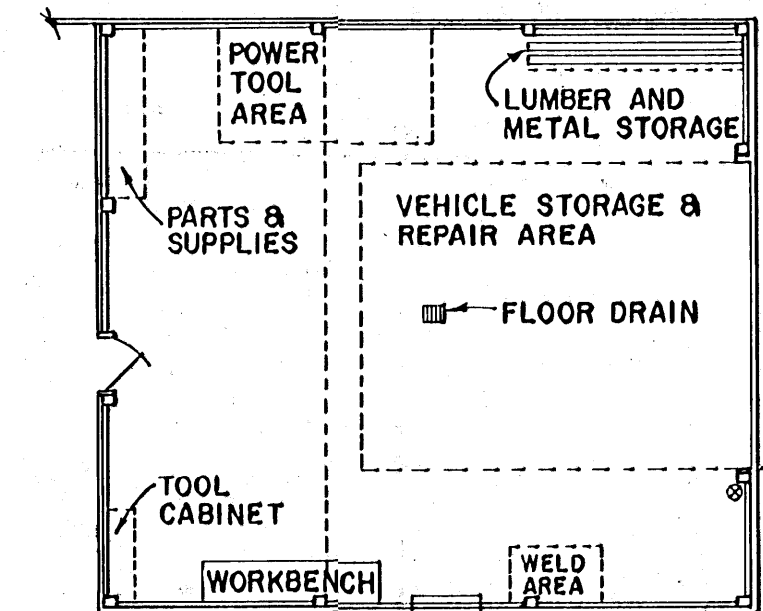


**END ELEVATION**

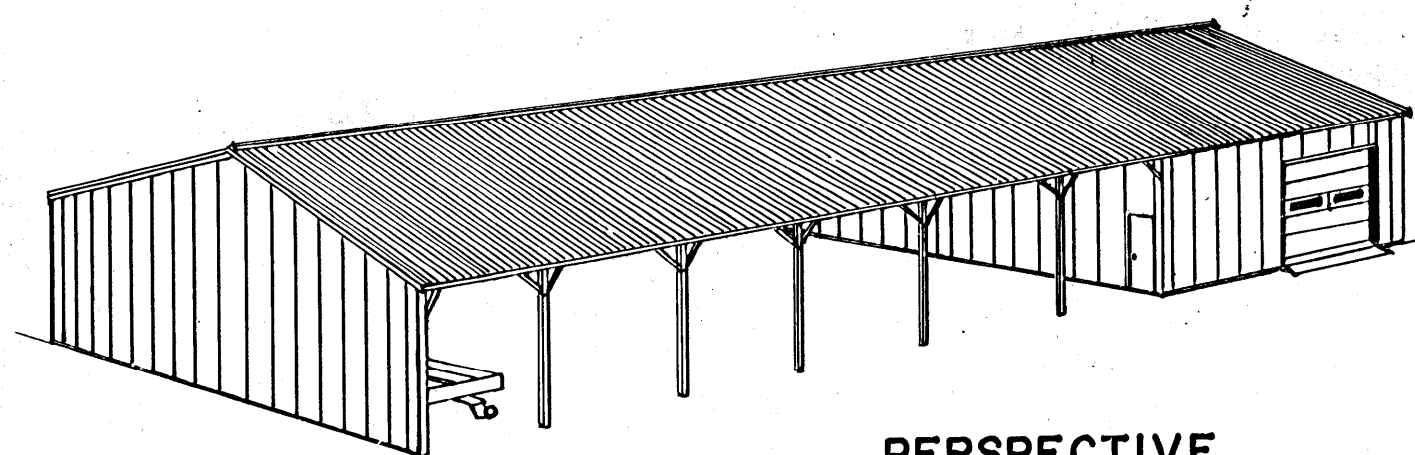
NOTE: CONSULT LOCAL BUILDING CODE AUTHORITIES BEFORE STARTING CONSTRUCTION.



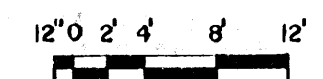
**FLOOR PLAN**



**OPTIONAL SHOP LAYOUT**



**PERSPECTIVE**  
NO SCALE

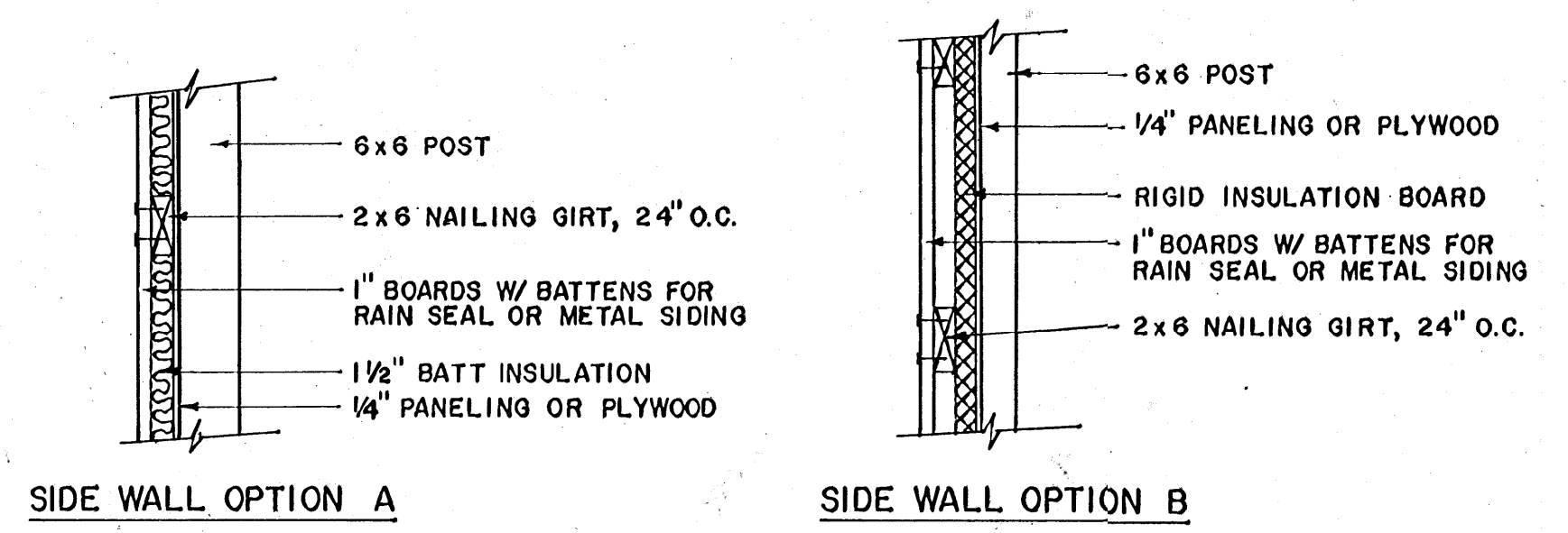
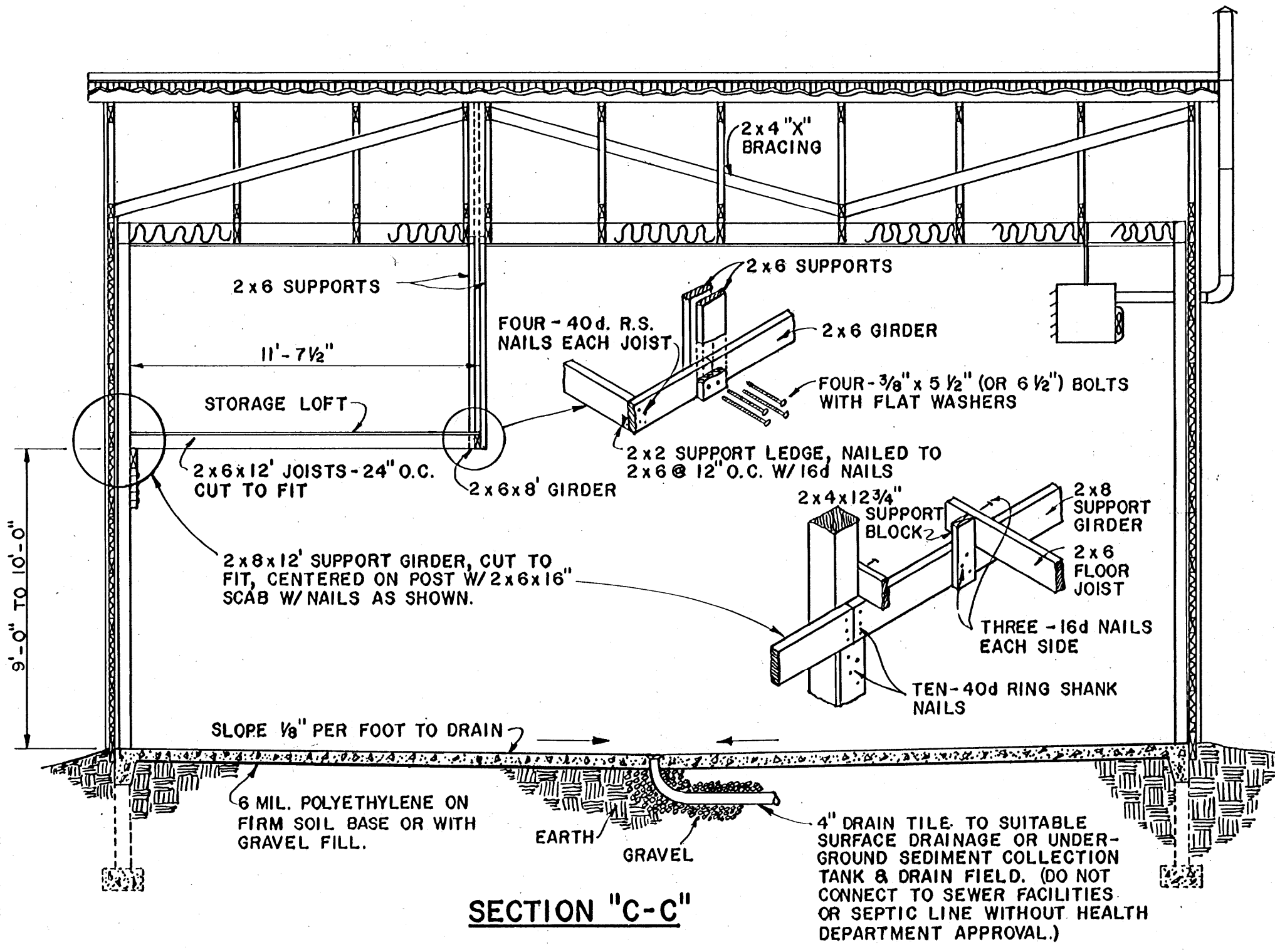
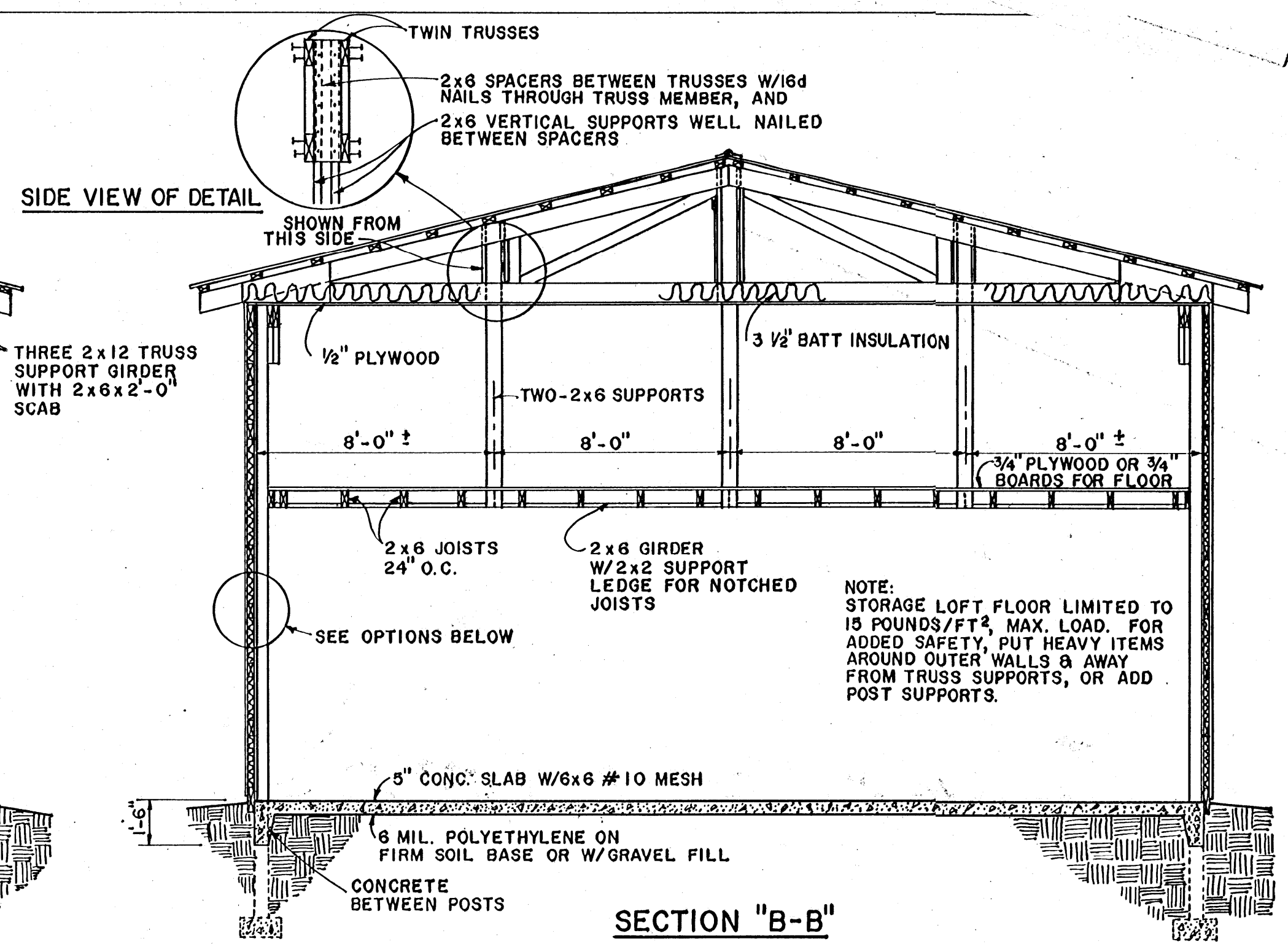
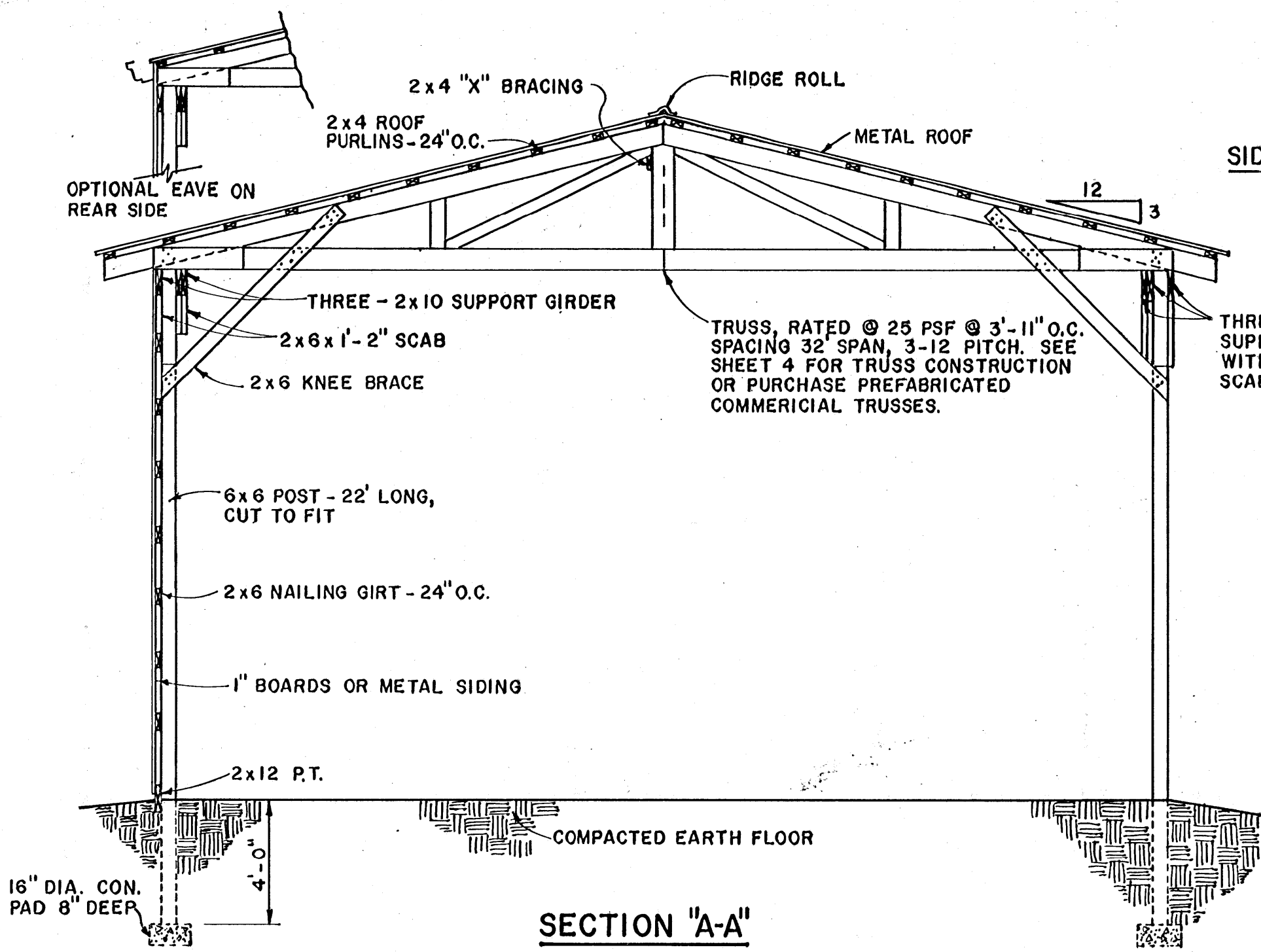


SCALE: 3/32" = 1'-0" UNLESS OTHERWISE NOTED

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



**SIDE WALL CONSTRUCTION OPTIONS**

SCALE: 3/4" = 1'-0" (FOR SHOP)



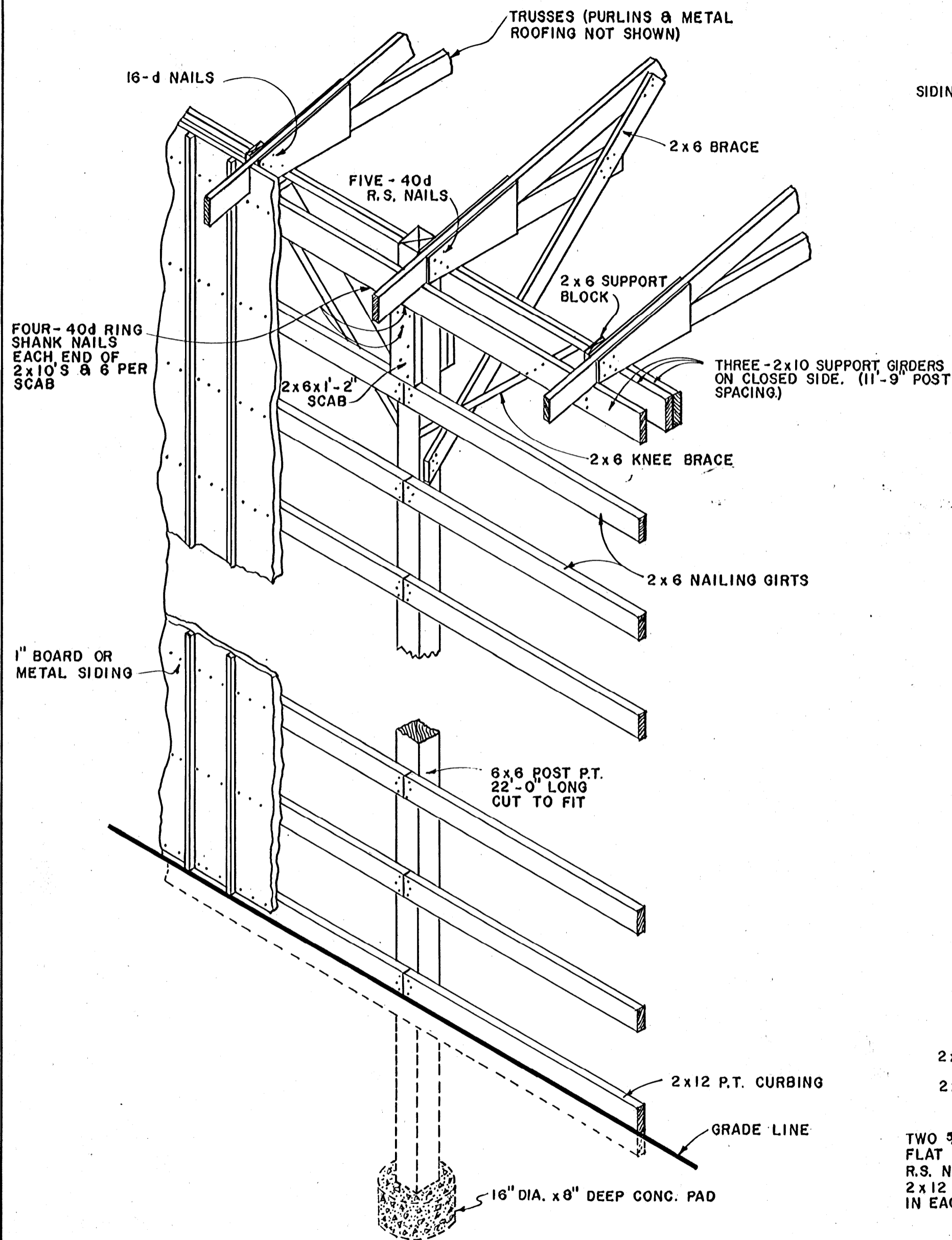
**NOTE:**  
ANOTHER OPTION IS TO FRAME IN A 2x4 STUD WALL BETWEEN THE POSTS & USE 3 1/2" BATT INSULATION & PANELING, DRYWALL OR PLYWOOD COVERING.

SCALE: 1/4" = 1'-0" UNLESS OTHERWISE NOTED

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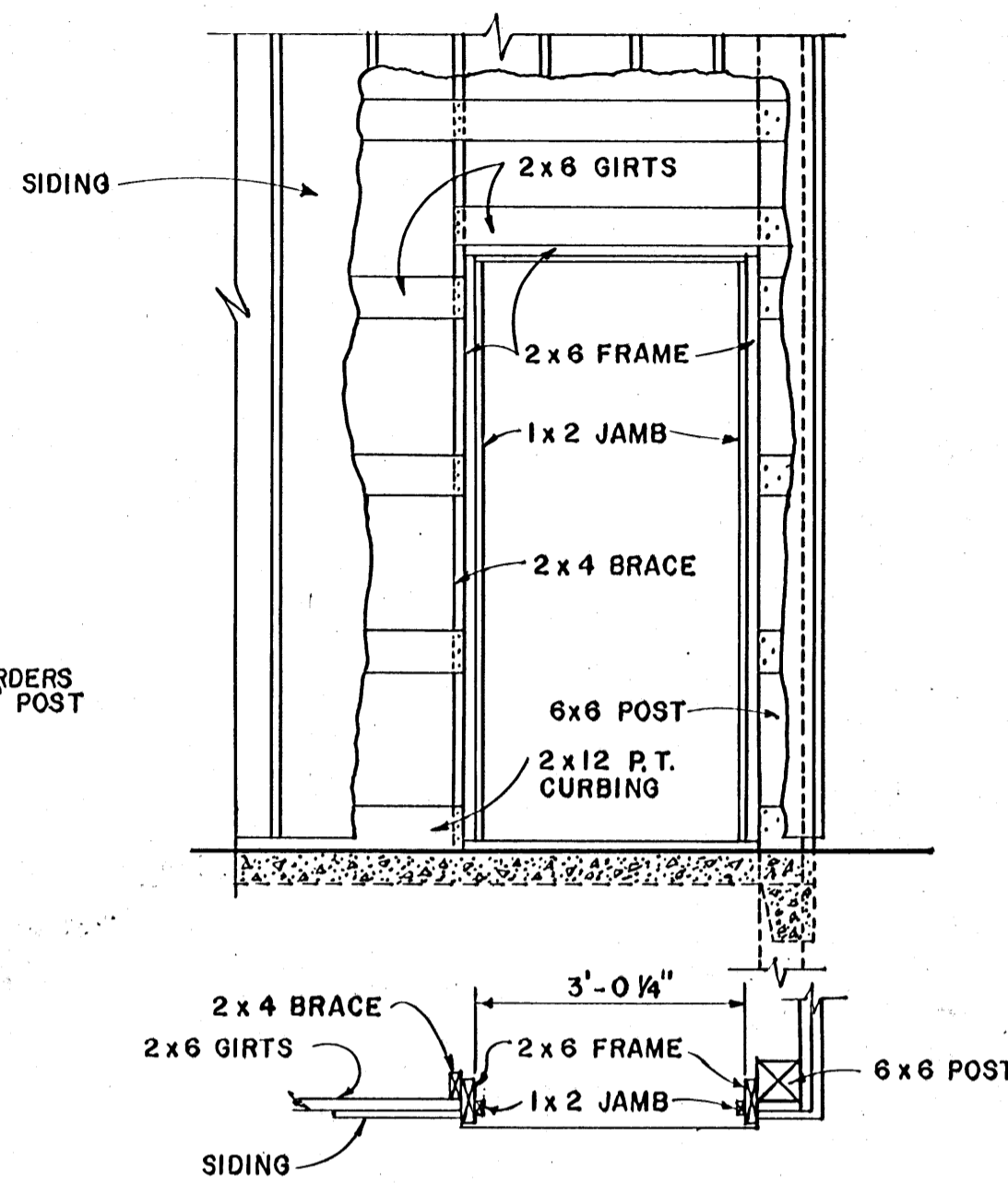
**MACHINERY SHED**

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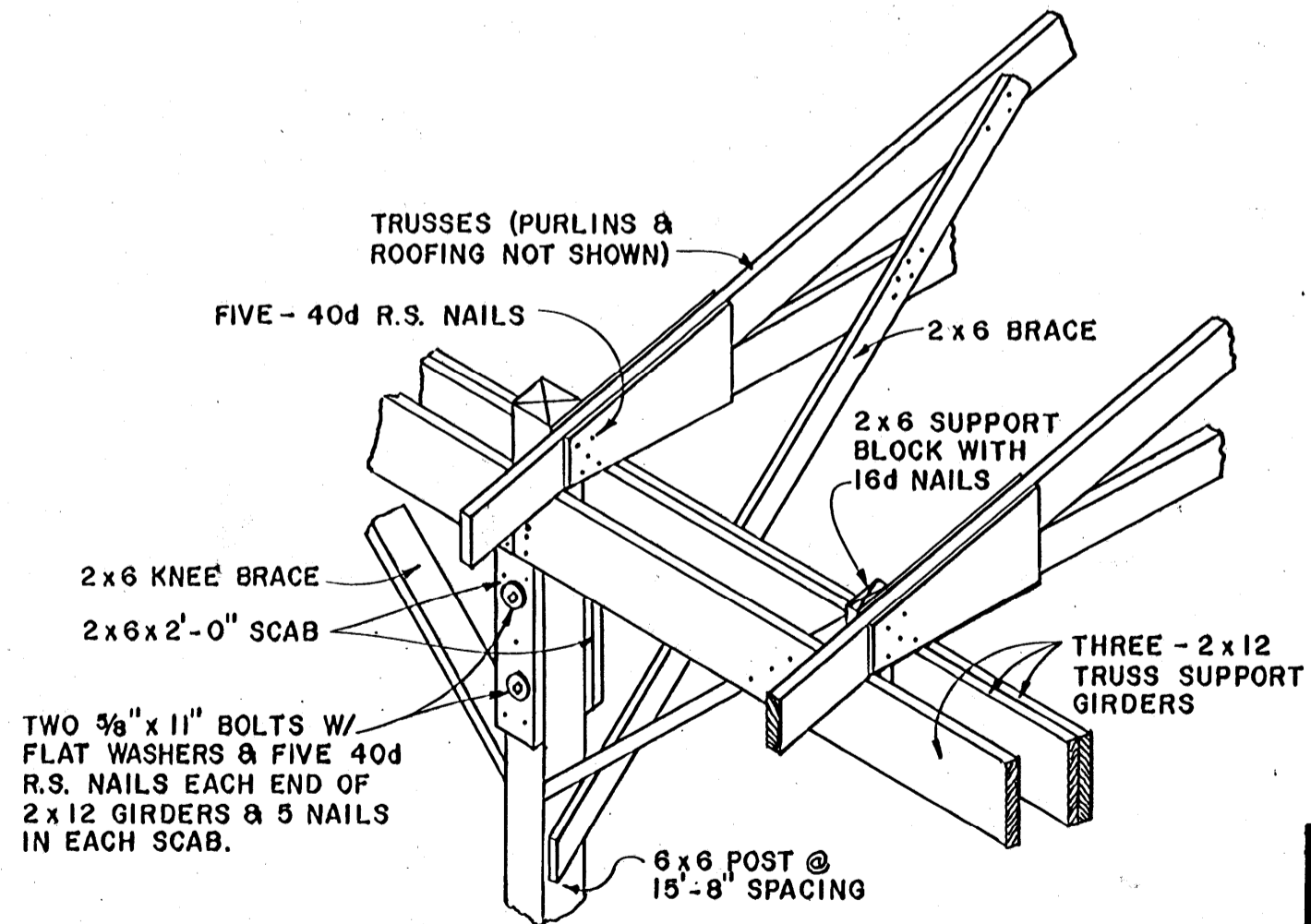
**SIDE WALL CONSTRUCTION DETAIL**

(FOR SHED)  
NO SCALE



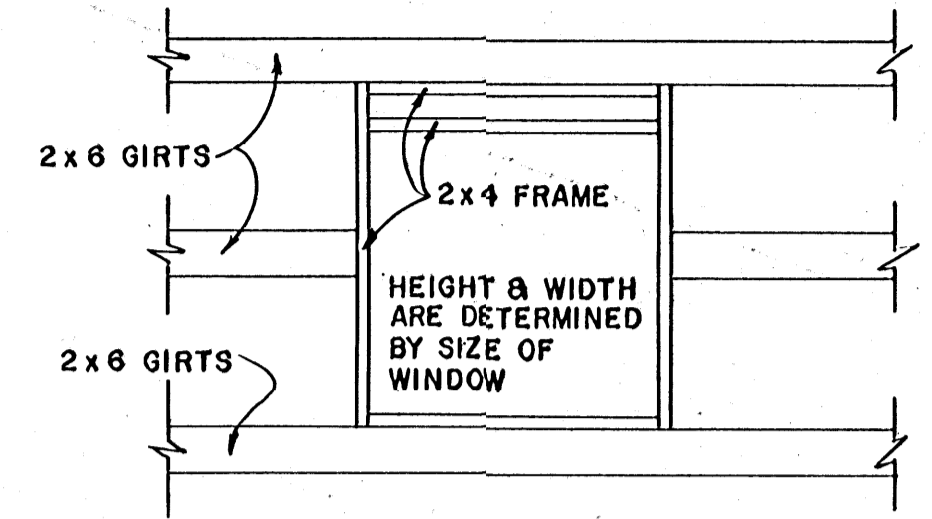
**DOOR FRAMING DETAIL**

NO SCALE

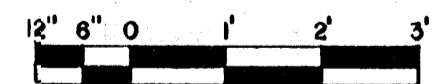


**POST CONSTRUCTION DETAIL**

(ENTRY SIDE OF SHED)



**WINDOW FRAMING DETAIL**



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

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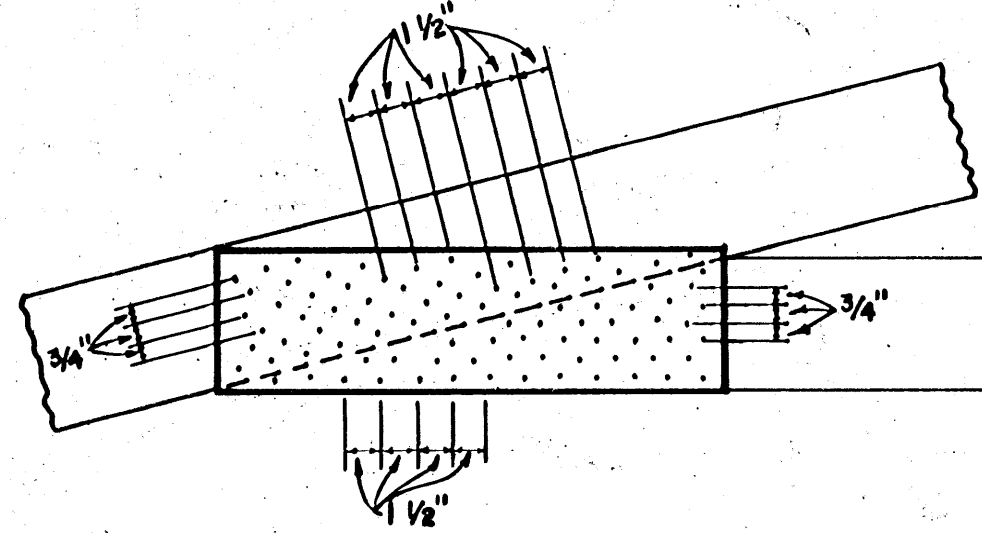
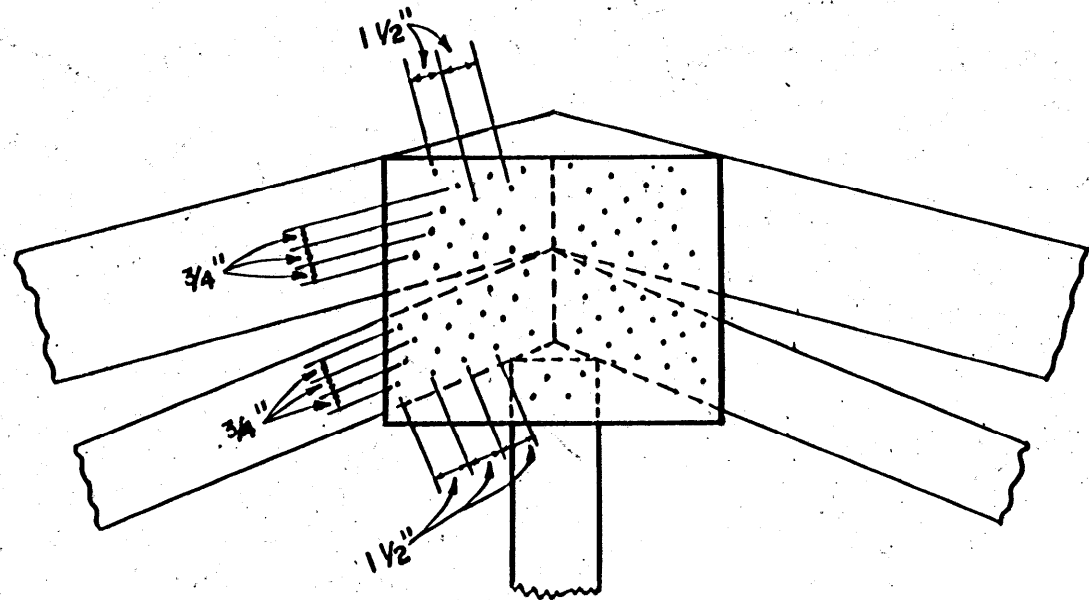
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AND  
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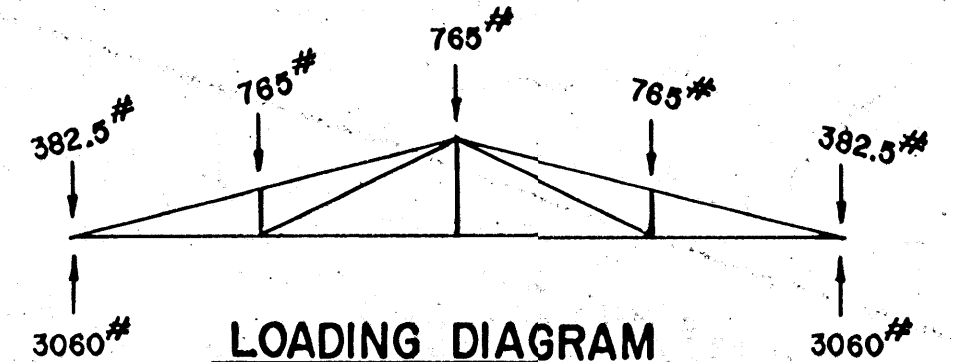
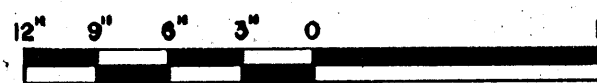
SHEET 3 OF 4



**EXAMPLE NAILING PATTERN**

(USE SIMILAR PATTERN FOR OTHER JOISTS)

SCALE: 1 1/2" = 1'-0"

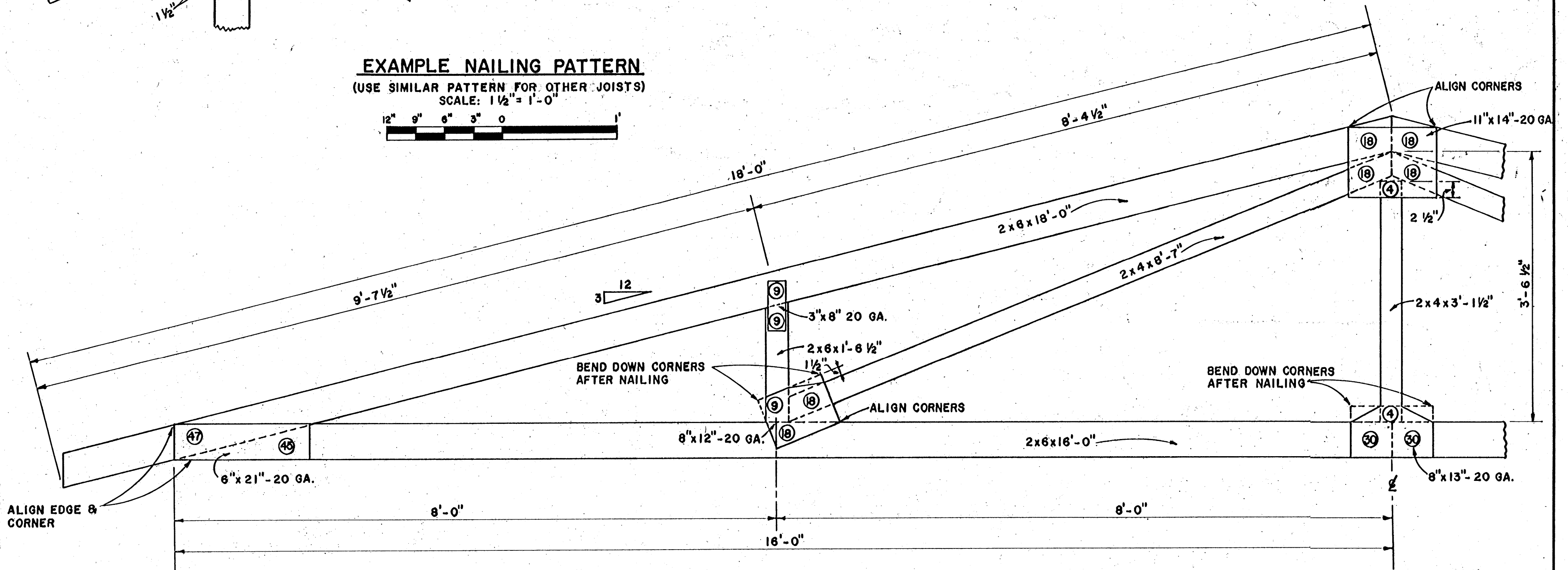


**LOADING DIAGRAM**

SCALE: 1/8" = 1'-0"

12'0" 1' 2' 3' 4' 5'

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



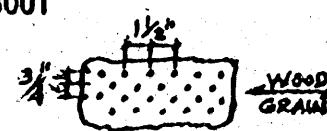
**TRUSS ELEVATION**

SCALE: 1" = 1'-0"



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

1. LUMBER SHALL BE DRESSED, KILN DRY, STANDARD OR CONSTRUCTION GRADE DOUG. FIR, NO. 1 OR 2 SOU. YEL. PINE, OR EQUIVALENT.
2. 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).
3. NAILS SHALL BE 1-1/2", 11 GAUGE, SCREW-SHANK, HARDENED, PALLET-TYPE NAIL.
4. 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.
5. ALIGN GUSSET PLATE OVER JOINT AS SHOWN ON TRUSS DIAGRAM. BEGIN NAILING IN CENTER OF GUSSET PLATE AND PROGRESS OUTWARDS TO ELIMINATE WRINKLES.
6. 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.
7. 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.
8. DO NOT FABRICATE ANY JOINT HAVING A KNOT OR OTHER WOOD IMPERFECTION UNDER OR ADJACENT TO GUSSET PLATE.
9. 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'	36 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.
			<b>83.6 bd.ft.</b>
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	
			<b>36" x 48" - 20 GA</b>
Nails	900	1 1/2", 11 GA., Screw Shank	6 lbs.

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

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