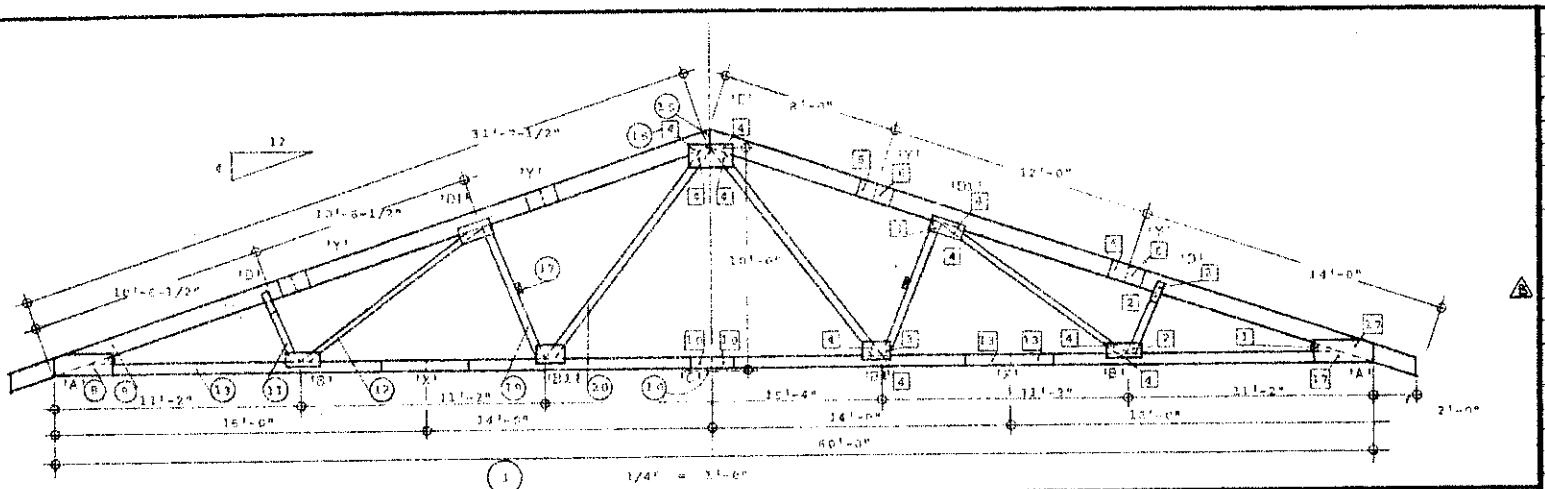
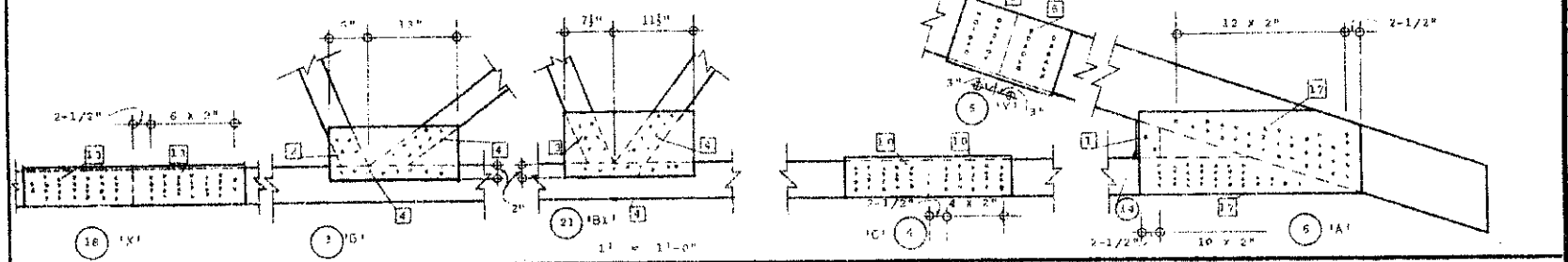


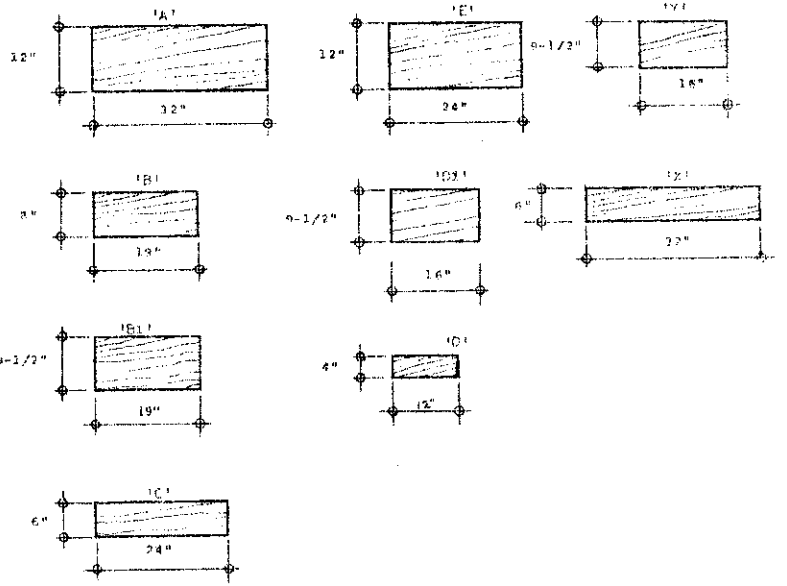
1. ELEVATION OF TRUSS.
2. GUSSET CUTTING DETAIL.
3. JOINT 'B' NAILING DETAIL (LEFT).
4. JOINT 'C' NAILING DETAIL.
5. JOINT 'Y' NAILING DETAIL.
6. JOINT 'A' NAILING DETAIL.
7. NOTATION AND LOADING DIAGRAM.
8. 1/2" PLYWOOD GUSSETS (BOTH SIDES) AT ALL JOINTS.
9. 2" X 10" TOP CHORD.
10. BOTTOM CHORD SHOULD BE CAMBERED 1-3/4" AT CENTER.
11. 3" X 4" WEB MEMBER 3'-2" LGTH.
12. 2" X 4" WEB MEMBER 10'-9" LGTH.
13. 2" X 6" BOTTOM CHORD.
14. 2" X 4" WOOD BLOCKING - GRAIN TO BE VERTICAL.
15. ALL JOINTS MUST BUTT TIGHT. FIT MEMBERS FULL SCALE BEFORE CUTTING.
16. [8] DENOTES NUMBER OF NAILS FROM EACH SIDE.
17. 2" X 4" STIFFENER CONTINUOUS
18. JOINT 'X' NAILING DETAIL.
19. 2 X 4 WEB MEMBER 6'-8" LGTH.
20. 2 X 4 WEB MEMBER 12'-4" LGTH.
21. JOINT 'B1' NAILING DETAIL (LEFT)



NOTES:

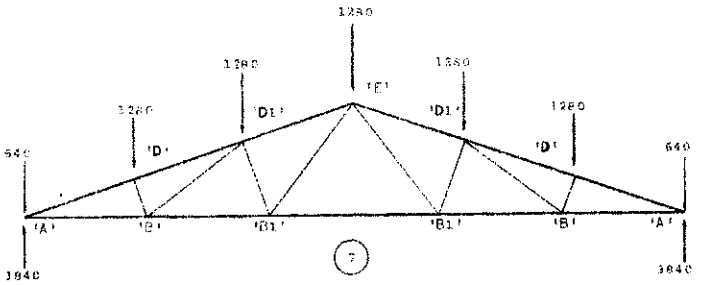
- FOR 2 x 4 MEMBERS, USE 'CONSTRUCTION GRADE' OR #2 GRADE SPRUCE. FOR LARGER SIZES, USE #1 GRADE SPRUCE.
- IF #1 GRADE SPRUCE IS NOT AVAILABLE FOR 2" x 6" AND LARGER MEMBERS, USE #2 GRADE SPRUCE BUT DECREASE TOTAL ALLOWABLE ROOF LOAD FROM 32 psf TO 26 psf AT 48" o.c. TRUSS SPACINGS. ADJUST ACCORDINGLY THE TOTAL ROOF LOADS FOR TRUSS SPACINGS OF 96", 32" AND 24" o.c.
- PLYWOOD TO BE 1/2" SHEATHING GRADE DOUGLAS FIR.
- NAILS TO BE 21" #6 GAUGE TRUSS GUSSET TYPE (BY THE STEEL COMPANY OF CANADA OR EQUIVALENT).
- TOTAL ROOF LOAD IS LIVE LOAD PLUS DEAD LOAD. SEE TABLE F-1, CANADIAN CODE FOR FARM BUILDINGS 1970, FOR FARM TRUSS ROOF CONSTRUCTION DEAD LOADS.
- THE ALLOWABLE UNIT STRESSES FOR SAWN LUMBER AND PLYWOOD USED IN THIS TRUSS DESIGN ARE THOSE LISTED IN THE CANADIAN STRUCTURAL DESIGN MANUAL 1970" WITH THE FOLLOWING MODIFICATION FACTORS APPLIED:

  LOW HUMAN OCCUPANCY FARM BUILDINGS (1.25), SNOW LOAD DURATION (1.15), LOAD-SHARING SYSTEMS (1.10). FOR TRUSSES 96" o.c. THE LOAD-SHARING FACTOR IS NOT APPLIED.



TOTAL ALLOWABLE ROOF LOADS FOR DIFFERENT TRUSS SPACING

TRUSS SPACING	24"	32"	48"	96"
TOTAL ROOF LOAD (PSF.)	64	⚠ 48	32	16



TRUSS MEMBER FORCES AND MOMENTS

MEMBER	FORCE (LB)	MOMENT LB. IN.	M/SF + F/AC
AD	-10113	17925	.99
D D1	- 9718	17925	.97
D1 E	-7488	17925	.86
AB	9600		.94
B D1	7680		.78
D1 B1	4764		.59
DB	-1214		.23
D1 B	1620		.51
D1 B1	-3830		.31
B1 E	3182		.50

SYM	REVISIONS	CHECKED	DATE	APPROVED
⚠	W&B (11) was 8'2"		AUG/72	H.A.J.
⚠	53 TO 48		MAY/72	H.A.J.

CANADA FARM BUILDING PLAN SERVICE

60 FT TRUSS - 4'-0" O.C. SPACING
TOTAL ROOF LOAD 32 PSF.

DESIGNED H.A.J.	DATE JAN/72	PLAN C-70	
DRAWN PAM	REVISED JAN/72		
TRACED	SCALE AS SHOWN		
CHECKED J.E.T.		SHEET 1 OF 1	