

1. ELEVATION OF TRUSS
2. GUSSET CUTTING DETAIL
3. JOINT 'B' NAILING DETAIL (LEFT)
4. JOINT 'D' NAILING DETAIL
- 5.
6. JOINT 'A' NAILING DETAIL
7. NOTATION AND LOADING DIAGRAM
8. 1/2" PLYWOOD GUSSETS (BOTH SIDES) AT ALL JOINTS
9. 2" X 8" TOP CHORD
10. BOTTOM CHORD SHOULD BE CANTERED 1" AT CENTER
11. 2" X 4" WEB MEMBER 2' - 11" LENGTH
12. 2" X 4" WEB MEMBER 6' - 8" LENGTH
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. [6] DENOTES NUMBER OF NAILS FROM EACH SIDE

NOTES:

FOR 2" X 4" MEMBERS USE CONSTRUCTION GRADE DOUGLAS FIR IN THE "LIGHT FRAMING" CATEGORY OR NO. 2 OR BETTER DOUGLAS FIR IN THE "STRUCTURAL LIGHT FRAMING" CATEGORY.

FOR 2" X 6" OR WIDER MEMBERS USE NO. 2 OR BETTER DOUGLAS FIR.

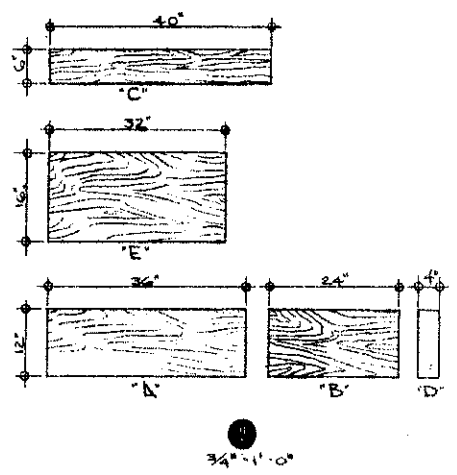
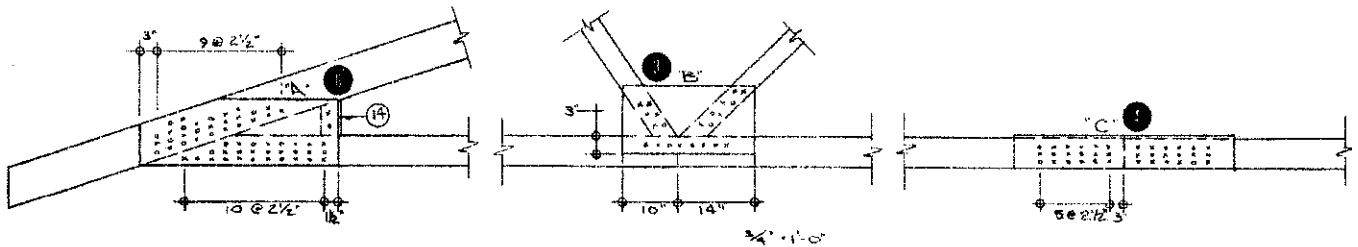
PLYWOOD TO BE 1/2" SHEATHING GRADE DOUGLAS FIR.

NAILS TO BE 2 1/2" NO. 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.

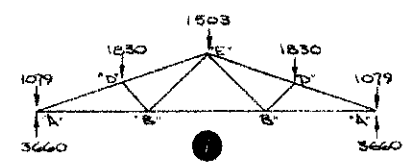
THE ALLOWABLE UNIT STRESSES FOR SAW LUMBER AND PLYWOOD USED IN THIS TRUSS DESIGN ARE THOSE LISTED IN "THE CANADIAN STRUCTURAL DESIGN MANUAL 1970" WITH THE FOLLOWING MODIFICATION FACTORS APPLIED:

LOW HUMAN OCCUPANCY FARM BUILDINGS (1.25),  
 SNOW LOAD DURATION (1.15), LOAD-SHARING SYSTEMS (1.10). FOR TRUSSES GREATER THAN 45° O.C. THE LOAD-SHARING FACTOR IS NOT APPLIED.



TOTAL ALLOWABLE ROOF LOADS FOR DIFFERENT TRUSS SPACINGS

TRUSS SPACING	24"	32"	48"	96"
TOTAL ROOF LOAD (PSF)	122	91	61	27



TRUSS MEMBER FORCES AND MOMENTS			
MEMBER	FORCE (LB)	MOMENT (LB-IN)	W/SF & P/AC
AD	-8338	14305	.99
DE	-7404	14305	.94
AB	7910		.71
BE	5490		.50
DB	-1772		.21
BE	2170		.40

SYN	REVISIONS	CHECKED	DATE	APPROVED
<b>CANADA FARM BUILDING PLAN SERVICE</b>				
30'-0" TRUSS - 4'-0" O/C TOTAL ROOF LOAD - 61 PSF				
DESIGNED BY: H.A.J.	DATE: JULY 1972	PLAN		<b>c-127</b>
DRAWN BY: H.A.J.	REVISED			
TRACED	SCALE			
CHECKED: H.A.J.	AS SHOWN			SHEET 1 OF 1