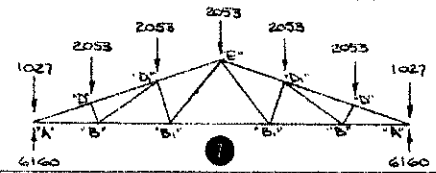


TOTAL ALLOWABLE ROOF LOADS FOR DIFFERENT TRUSS SPACINGS

TRUSS SPACING	24"	32"	48"	96"
TOTAL ROOF LOAD (PSF)	110	82	55	25



TRUSS MEMBER FORCES AND MOMENTS

MEMBER	FORCE (LB)	MOMENT (LBIN)	M/SF 4 P/AC
A D	-16233	-26838	.99
D D ₁	-15584	-26838	.97
D ₁ E	-12011	-26838	.84
D B	13400		.83
B B ₁	12321		.66
B ₁ B ₁	9247		.50
D B	-1948		.28
D ₁ B	3081		.57
D ₁ B ₁	-2920		.97
B ₁ E	3509		.65

- ELEVATION OF TRUSS
- OSSET CUTTING DETAIL
- JOINT 'B' NAILING DETAIL (LEFT)
- JOINT 'C' NAILING DETAIL
- JOINT 'E' NAILING DETAIL
- JOINT 'A' NAILING DETAIL
- NOTATION AND LOADING DIAGRAM
- 1/2" PLYWOOD OSSETS (BOTH SIDES) AT ALL JOINTS
- 2" X 12" TOP CHORD
- BOTTOM CHORD SHOULD BE CAMBERED 1 1/2" AT CENTER
- 2" X 4" WEB MEMBER 2' - 6" LENGTH
- 2" X 4" WEB MEMBER 9' - 11" LENGTH
- 2" X 10" BOTTOM CHORD
- 2" X 4" WOOD BLOCKING - GRADE TO BE VERTICAL
- ALL JOINTS MUST BUTT TIGHT. FIT MEMBERS FULL SCALE BEFORE CUTTING
- Ⓢ DENOTES NUMBER OF NAILS FROM EACH SIDE

- JOINT 'X' NAILING DETAIL
- 2" X 4" WEB MEMBER 5' - 9" LENGTH
- 2" X 4" WEB MEMBER 11' - 2" LENGTH
- JOINT 'B₁' NAILING DETAIL (LEFT)
- 2" X 4" LATERAL BRACES AT 8' - 0" O.C. AS SHOWN

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 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 OSSET TYPE (BY THE STEEL COMPANY OF CANADA OR EQUIVALENT).

TOTAL ROOF LOAD IS LIVE LOAD PLUS DEAD LOAD. SEE TABLE #1, CANADIAN CODE FOR FARM BUILDINGS 1970, FOR FARM TRUSS ROOF CONSTRUCTION DEAD LOADS.

THE ALLOWABLE UNIT STRESSES FOR SAWYER 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),
 SHOW LOAD DURATION (1.15), LOAD-SHARING SYSTEMS (1.10). FOR TRUSSES GREATER THAN 48' O.C. THE LOAD-SHARING FACTOR IS NOT APPLIED.

SYM REVISIONS CHECKED DATE APPROVED

CANADA FARM BUILDING PLAN SERVICE

56'-0" TRUSS TOTAL ROOF LOAD 55 PSF 4'-0" x 6"

DESIGNED & DRAWN DATE 2/12/72 PLAN
 DRAWN & REVISIONS REVISION
 TRACKED SCALE AS SHOWN
 CHECKED H.A.T. NO. 201001 SHEET 1 OF 1

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