

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
11689	X1	5	1	TRUSS DESC.	

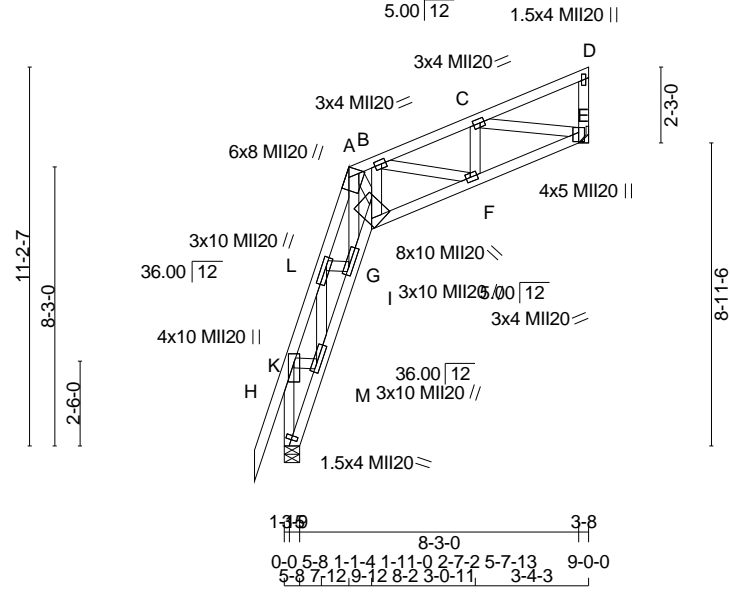
Alberta Truss, Edmonton, Alberta, T6P 1X3

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-10-8 0-0 1-1-4 1-11-0 2-7-2 5-3-12 5-7-13 9-0-0
 10-8 1-1-4 9-12 8-2 2-8-10 4-1 3-4-3

Scale = 1:68.1



TOTAL WEIGHT = 5 X 61 = 303 lb

LUMBER
 N. L. G. A. RULES
 CHORDS SIZE LUMBER DESCR.

H - A	2x4	DRY	No.2	SPF
A - D	2x4	DRY	No.2	SPF
E - D	2x4	DRY	No.2	SPF
J - K	2x4	DRY	No.2	SPF
J - G	2x4	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF
ALL WEBS	2x4	DRY	No.2	SPF
DRY: SEASONED LUMBER.				

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
J	559	0	559	0	5-8 (5-6)	1-8
E	461	0	461	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 26.2 PSF
 DL = 3.0 PSF
 BOT CH. LL = 0.0 PSF
 DL = 7.0 PSF
 TOTAL LOAD = 36.2 PSF

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TTWW-h	MI120	6.0	8.0	Edge	3.50
B	TMWW-t	MI120	3.0	4.0	1.50	1.50
C	TMWW-t	MI120	3.0	4.0	1.50	1.50
D	TMV+p	MI120	1.5	4.0		
E	BMVW1+p	MI120	4.0	5.0	3.25	2.00
F	BMWW-t	MI120	3.0	4.0	1.50	1.50
G	BBWW+m	MI120	8.0	10.0	3.00	1.75
I	BMWW-t	MI120	3.0	10.0	1.50	3.00
J	BMV1+h	MI120	1.5	4.0		
K	TMVW+p	MI120	4.0	10.0	3.25	2.00
L	TMWW-t	MI120	3.0	10.0	1.50	3.00
M	BMWW-t	MI120	3.0	10.0	1.50	3.00

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): J

UNFACTORED REACTIONS

JT	1ST LCASE	MAX./MIN. COMPONENT REACTIONS			
		SNOW	LIVE	WIND	DEAD
J	388	292 / 0	0 / 0	0 / 0	96 / 0
E	323	233 / 0	0 / 0	0 / 0	90 / 0

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2005

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00FT. OR RIGID CEILING DIRECTLY APPLIED.

THIS DESIGN COMPLIES WITH:
 - PART 9 OF OBC 2006, BCBC 2006, ABC 2006
 - CSA 086-01
 - TPIC 2007

LOADING
 TOTAL LOAD CASES: (3)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH	MAX. FACTORED CSI (LC)
FR-TO		FROM TO		FR-TO			
H-K	0 / 41	-86.1 -86.1	0.07 (1)	I-A	-198 / 0	10.00	0.03 (1)
K-L	-473 / 0	-86.1 -86.1	0.05 (1)	F-C	-1 / 57	6.25	0.01 (3)
L-A	-737 / 0	-86.1 -86.1	0.03 (1)	G-B	-115 / 0	6.25	0.01 (1)
A-B	-588 / 0	-86.1 -86.1	0.03 (1)	B-F	0 / 62	6.25	0.01 (1)
B-C	-628 / 0	-86.1 -86.1	0.10 (1)	C-E	-592 / 0	6.25	0.09 (1)
C-D	-10 / 0	-86.1 -86.1	0.10 (1)	M-L	-337 / 0	6.25	0.05 (1)
E-D	-117 / 0	0.0 0.0	0.01 (1)	L-I	0 / 93	7.81	0.01 (1)
J-K	-546 / 0	0.0 0.0	0.08 (1)	K-M	0 / 140	7.81	0.02 (1)
				A-G	0 / 626	10.00	0.10 (1)
J-M	-3 / 0	-17.5 -17.5	0.01 (1)				
M-I	0 / 418	-17.5 -17.5	0.08 (1)				
I-G	0 / 637	-17.5 -17.5	0.11 (1)				
G-F	0 / 562	-17.5 -17.5	0.11 (1)				
F-E	0 / 636	-17.5 -17.5	0.13 (1)				

DESIGN ASSUMPTIONS
 - OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 43.9 P.S.F. G.S.L. PLUS
 2.1 P.S.F. RAIN LOAD EQUALS
 26.2 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.30")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
 ALLOWABLE DEFL.(TL)= L/360 (0.30")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.10 (C-D:1), BC=0.13 (E-F:1), WB=0.10 (A-G:1), SSI=0.12 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MI120	618	354	1667
	674	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (C) (INPUT = 0.90)
 JSI METAL= 0.48 (J) (INPUT = 1.00)