



TOTAL WEIGHT = 35 lb [M] [F]

LUMBER						DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER										DESIGN CRITERIA				
N. L. G. A. RULES																SPECIFIED LOADS:				
CHORDS SIZE LUMBER DESCR.						BEARINGS										TOP CH. LL = 34.1 PSF				
A - C	2x4	DRY	No.2	SPF		FACTORED GROSS REACTION										DL = 3.0 PSF				
C - E	2x4	DRY	No.2	SPF		MAXIMUM FACTORED INPUT REQRD										BOT CH. LL = 0.0 PSF				
B - D	2x4	DRY	No.2	SPF		JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	HEEL	DL = 7.0 PSF					
ALL WEBS 2x4 DRY SEASONED LUMBER.						UNFACTORED REACTIONS										TOTAL LOAD = 44.0 PSF				
						1ST LCASE MAX./MIN. COMPONENT REACTIONS										SPACING = 24.0 IN. C/C				
JT	TYPE	PLATES	W	LEN	Y	X	JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010					
B	TMBMH1-m	MT20	5.0	6.0	2.50	0.50	B	597	471 / 0	0 / 0	0 / 0	0 / 0	126 / 0	0 / 0	THIS DESIGN COMPLIES WITH: - PART 9 OF OBC 2012, BCBC 2012, ABC 2014 - CSA 086-09 - TPIC 2011					
C	TTW+p	MT20	3.0	4.0			D	597	471 / 0	0 / 0	0 / 0	0 / 0	126 / 0	0 / 0	(55% OF 54.3 P.S.F. G.S.L. PLUS 4.2 P.S.F. RAIN LOAD) EQUALS 34.1 P.S.F. SPECIFIED ROOF LIVE LOAD					
D	TMBMH1-m	MT20	5.0	6.0	2.50	0.50	BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, D										ALLOWABLE DEFL.(LL) = L/360 (0.40")			
F	BMW+w	MT20	2.0	4.0			BRACING										CALCULATED VERT. DEFL.(LL) = L/999 (0.04")			
						TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.45 FT.										ALLOWABLE DEFL.(TL) = L/360 (0.40")				
						MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.										CALCULATED VERT. DEFL.(TL) = L/999 (0.07")				
						ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.										CSI: TC=0.41/1.00 (C-H:1), BC=0.36/1.00 (F-G:1), WB=0.03/1.00 (C-F:1), SSI=0.25/1.00 (C-H:1)				
						LOADING										DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10				
						TOTAL LOAD CASES: (4)										COMPANION LIVE LOAD FACTOR = 0.50				
						CHORDS										TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.				
						MEMB. MAX. FACTORED FORCE (LBS)										NAIL VALUES				
						FACTORED VERT. LOAD (PLF)										PLATE GRIP(DRY) (PSI)				
						MAX. UNBRACED LENGTH (LC)										PLI (PLI)				
						FR-TO										MAX MIN MAX MIN MAX MIN				
						A-B										MT20 618 354 1667 822 2284 1656				
						B-H										PLATE PLACEMENT TOL. = 0.250 inches				
						C-H										PLATE ROTATION TOL. = 5.0 Deg.				
						C-J										JSI GRIP= 0.85 (C) (INPUT = 0.90)				
						J-D										JSI METAL= 0.28 (B) (INPUT = 1.00)				
						D-E														
						B-G														
						G-F														
						F-I														
						I-D														

