



Scale = 1:60.8

Plate Offsets (X,Y): [B:0-1-9,Edge], [E:0-2-4,0-3-4], [I:0-0-13,Edge], [L:0-6-4,0-2-4], [M:0-2-12,Edge], [O:0-3-0,0-2-3]

LOADING (psf)		SPACING		CSI		DEFL				PLATES	GRIP
TCLL	38.5	Plates Increase	2-0-0	TC	0.78	in (loc)	l/defl	L/d		MT20	169/123
(Ground Snow=50.0)		Lumber Increase	1.15	BC	0.92	Vert(LL)	-0.19	M-N	>999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.69	Vert(TL)	-0.45	M-N	>755		
BCLL	0.0 *	Code IBC2006/TPI2002		(Matrix-M)		Horz(TL)	0.22	I	n/a		
BCDL	10.0									Weight: 126 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 2-10-5 oc purlins.
BOT CHORD 2x4 SPF-S No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except
WEBS 2x4 SPF-S No.2	2-2-0 oc bracing: O-R.
	WEBS 1 Row at midpt F-L, H-L

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) B=1730/0-5-8 (min. 0-3-7), I=1740/0-5-8 (min. 0-3-7)
 Max Horz B=231(LC 8)
 Max Uplift B=-158(LC 9), I=-162(LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2496/212, C-D=-3541/257, D-E=-2099/220, E-V=-2086/223, F-V=-1945/255, F-W=-1437/233,
 G-W=-1530/202, G-H=-1641/192, H-I=-2366/195
 BOT CHORD B-O=-100/1997, N-O=-115/2323, M-N=-20/2144, L-M=0/1437, K-L=-31/1824, I-K=-278/2177
 WEBS C-O=-1302/85, C-N=0/1011, D-N=-33/1204, D-M=-1008/181, F-M=-35/1656, F-L=-386/119, H-L=-868/155,
 H-K=0/298

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp C; enclosed; MWFRS (all heights); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg=50.0 psf (ground snow); Ps=38.5 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Roof design snow load has been reduced to account for slope.
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 38.5 psf on overhangs non-concurrent with other live loads.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint B and 162 lb uplift at joint I.
 - 9) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard