



Scale = 1:73.0

Plate Offsets (X,Y): [B:0-3-14,0-2-12], [N:0-3-14,0-2-12], [Q:0-6-0,0-3-8], [S:0-6-0,0-5-4], [T:0-5-0,0-5-4], [U:0-5-0,0-5-4], [V:0-6-0,0-5-4], [X:0-6-0,0-3-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 38.5 (Ground Snow=50.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.65 BC 0.56 WB 0.97 (Matrix-M)	in (loc) l/defl L/d Vert(LL) -0.77 T-U >625 240 Vert(TL) -1.37 T-U >351 180 Horz(TL) 0.92 N n/a n/a	MT20	169/123
TCDL 10.0	Rep Stress Incr YES				
BCLL 0.0 *	Code IBC2006/TPI2002				
BCDL 10.0					
				Weight: 243 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x6 SPF-S No.2 BOT CHORD 2x6 SP SS WEBS 2x4 SPF-S No.2	TOP CHORD Structural wood sheathing directly applied or 1-11-3 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt L-Q, D-X

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

REACTIONS (lb/size) B=2534/0-5-8 (min. 0-3-0), N=2534/0-5-8 (min. 0-3-0)
 Max Horz B=-239(LC 7)
 Max Uplift B=-250(LC 9), N=-250(LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-4178/311, C-D=-3864/338, D-E=-6179/393, E-F=-6079/408, F-G=-7665/387, G-H=-6945/312, H-I=-6945/312, I-J=-7665/387, J-K=-6079/408, K-L=-6179/393, L-M=-3864/338, M-N=-4178/311
 BOT CHORD B-Y=-168/4436, X-Y=-168/3637, W-X=-173/4652, V-W=-149/6592, U-V=-63/7166, T-U=0/5231, S-T=-63/7166, R-S=-149/6592, Q-R=-173/4652, P-Q=-168/3637, N-P=-168/4436
 WEBS H-T=-98/3082, I-T=-1105/167, I-S=-62/592, J-S=0/1560, J-R=-1758/0, L-R=-4/2616, L-Q=-2971/123, M-Q=-320/57, H-U=-98/3082, G-U=-1105/167, G-V=-62/592, F-V=0/1560, F-W=-1758/0, D-W=-4/2616, D-X=-2971/123, C-X=-320/57

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; 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 18.0 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 250 lb uplift at joint B and 250 lb uplift at joint N.
 - 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