



1-0-0	8-9-14	17-5-2	25-3-0	26-3-0
1-0-0	7-9-14	8-7-5	7-9-14	1-0-0

Plate Offsets (X,Y)-- [1:0-0-0,0-1-6], [2:0-1-12,0-2-0], [4:0-1-12,0-2-0], [5:0-0-0,0-1-6]

<b>LOADING (psf)</b>	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 46.2 (Ground Snow=60.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.94 BC 0.62 WB 0.99 (Matrix)	in (loc) l/def L/d Vert(LL) -0.10 7-9 >999 240 Vert(TL) -0.28 7-9 >999 180 Horz(TL) 0.06 6 n/a n/a	MT20	197/144
TCDL 10.0	Rep Stress Incr YES Code IRC2009/TPI2007				
BCLL 0.0					
BCDL 10.0					
				Weight: 116 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF No.2  
 WEBS 2x4 SPF No.2 \*Except\*  
 W3: 2x4 SPF 2100F 1.8E  
**WEDGE**  
 Left: 2x4 SPF No.2, Right: 2x4 SPF No.2

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

**REACTIONS.** (lb/size) 10=1738/0-5-8 (min. 0-2-12), 6=1738/0-5-8 (min. 0-2-12)  
 Max Horz 10=-346(LC 5)  
 Max Uplift 10=-365(LC 7), 6=-365(LC 8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2=-255/252, 2-11=-1873/473, 3-11=-1644/501, 3-12=-1644/501, 4-12=-1873/473,  
 4-5=-255/252  
 BOT CHORD 9-10=-349/1584, 8-9=-77/1087, 7-8=-77/1087, 6-7=-223/1584  
 WEBS 2-9=-585/365, 3-9=-244/752, 3-7=-245/752, 4-7=-585/366, 2-10=-2051/494,  
 4-6=-2051/494

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf, BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; 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=60.0 psf (ground snow); Ps=46.2 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 a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 6. This connection is for uplift only and does not consider lateral forces.
  - 7) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

**LOAD CASE(S)** Standard

