

Job 053917	Truss T01GE	Truss Type GABLE	Qty 1	Ply 1	PORTLAND	123130450
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Mainly Trusses, Inc., Fairfield, ME

7.530 s Jul 11 2014 MiTek Industries, Inc. Mon Oct 27 10:13:30 2014 Page 1  
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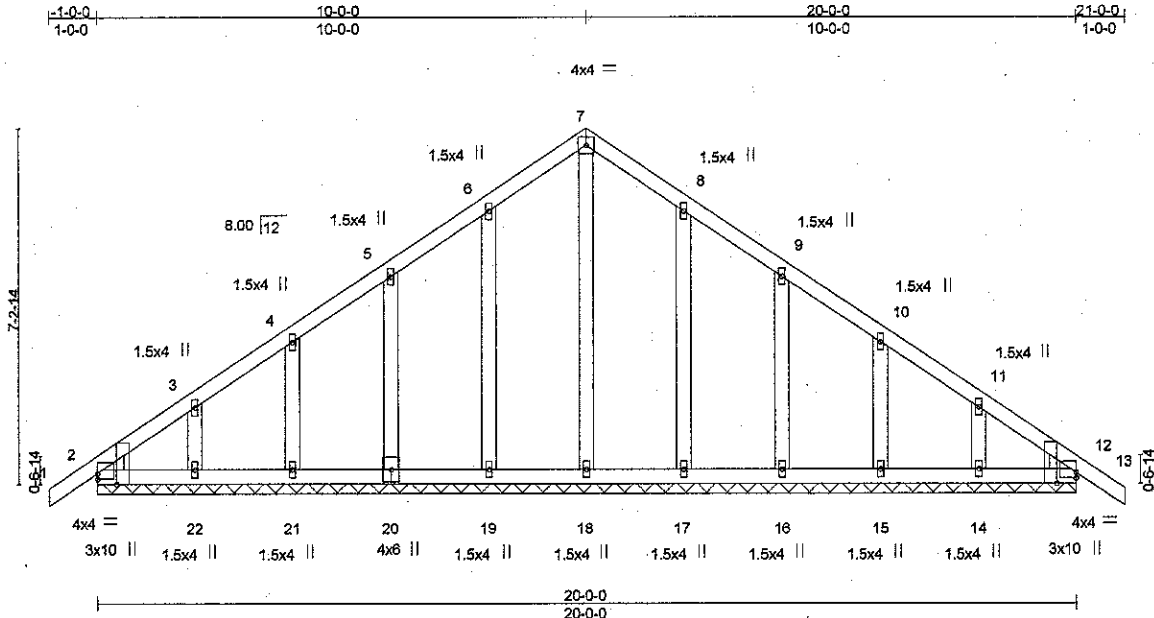


Plate Offsets (X,Y)-- [2:0-0-0,0-1-5], [2:0-2-10,Edge], [12:0-0-0,0-1-5], [12:0-2-10,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 46.2 (Ground Snow=60.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.10 BC 0.06 WB 0.18 (Matrix)	Vert(LL) -0.00 Vert(TL) 0.00 Horz(TL) 0.01 Wind(LL) 0.00	13 12 12 13	n/r n/r n/a n/r	180 80 n/a 120	MT20	197/144
TCDL 7.0	Code IRC2009/TP12007						Weight: 93 lb	FT = 20%
BCLL 0.0								
BCDL 10.0								

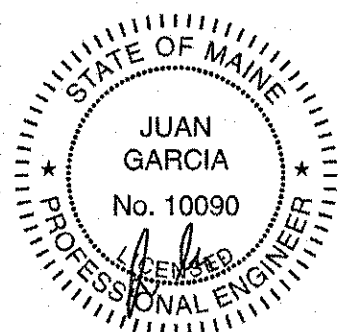
**LUMBER-**  
 TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 OTHERS 2x4 SPF No.2  
 WEDGE  
 Left: 2x4 SPF No.2, Right: 2x4 SPF No.2

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** All bearings 20-0-0.  
 (lb) - Max Horz 2=-270(LC 6)  
 Max Uplift All uplift 100 lb or less at joint(s) 12 except 2=-101(LC 6), 19=-108(LC 8), 20=-109(LC 8), 21=-110(LC 8), 22=-116(LC 8), 17=-107(LC 9), 16=-110(LC 9), 15=-110(LC 9), 14=-112(LC 9)  
 Max Grav All reactions 250 lb or less at joint(s) 18, 22, 14 except 2=261(LC 1), 12=261(LC 1), 19=370(LC 13), 20=294(LC 13), 21=256(LC 1), 17=370(LC 14), 16=294(LC 14), 15=256(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**WEBS** 6-19=-330/132, 5-20=-254/133, 8-17=-330/131, 9-16=-254/134

- NOTES-**
- Wind: ASCE 7-05; 100mph; TC DL=4.2psf; BC DL=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
  - 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
  - Roof design snow load has been reduced to account for slope.
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
  - This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 2=101, 19=108, 20=109, 21=110, 22=116, 17=107, 16=110, 15=110, 14=112.
  - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.



October 27, 2014

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MTL-1413 rev. 1/29/2014 BEFORE USE.**  
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANS/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.  
 If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC.

**MiTek**  
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