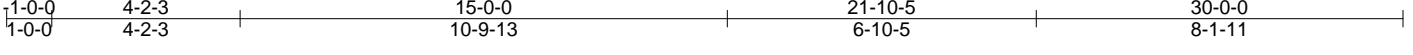


Job B134896	Truss T01	Truss Type MONO PITCH	Qty 7	Ply 1	DOVETAIL ADDITION
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Mainly Trusses, Inc., Fairfield, ME, Ken Lee 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 22 09:55:54 2013 Page 1
 ID:3h5m2DiWmf87zBjNhd7N9JyyYmV-bpnxWDJ7bD_33h7fnTlxVL9cmgNlvglnem_SGhzOD2J



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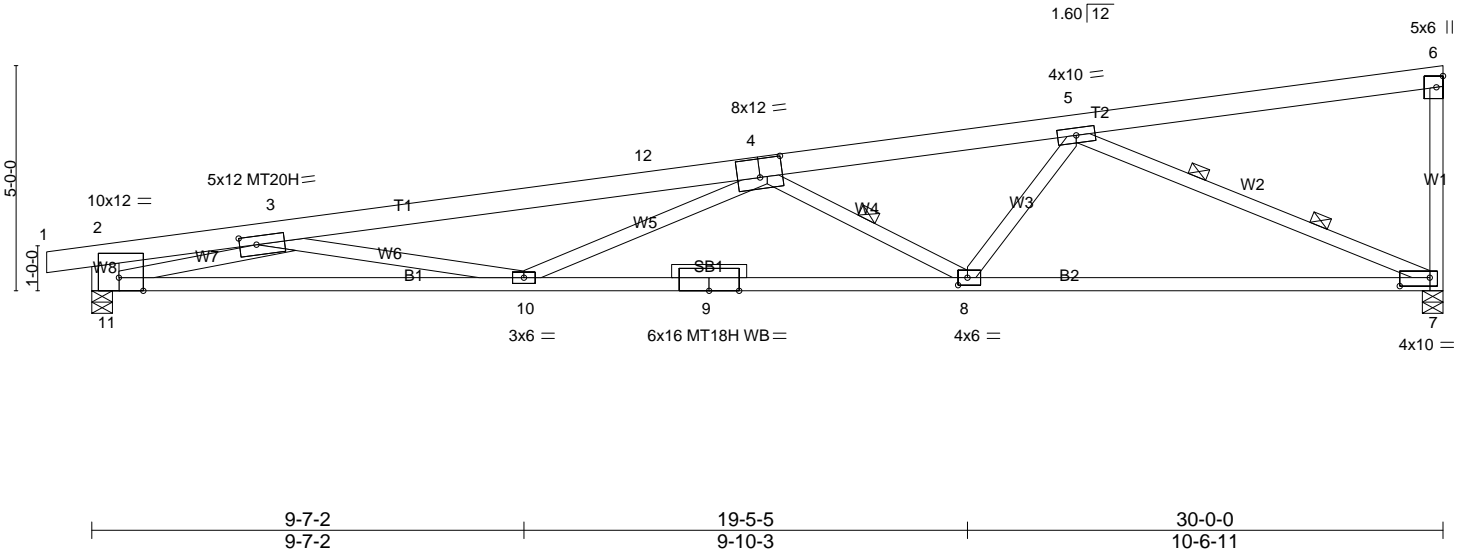


Plate Offsets (X,Y): [2:0-6-8,Edge], [3:0-4-8,0-2-4], [4:0-6-0,0-5-0], [7:0-8-0,0-2-4], [8:0-2-8,0-2-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 46.2 (Ground Snow=60.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	TC 0.91 BC 0.84 WB 0.84 (Matrix-M)	in (loc) l/defl L/d Vert(LL) -0.61 8-10 >577 240 Vert(TL) -0.96 8-10 >371 180 Horz(TL) 0.23 7 n/a n/a	MT20 MT20H MT18H Weight: 138 lb	197/144 148/108 197/144 FT = 20%

LUMBER	BRACING
TOP CHORD 2x6 SPF No.2 *Except* T1: 2x6 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 6-2-14 oc bracing.
WEBS 2x4 SPF No.2 *Except* W2: 2x4 SPF 1650F 1.5E, W8: 2x8 SYP 2400F 2.0E, W7: 2x4 SYP 2400F 2.0E	WEBS 1 Row at midpt 4-8 2 Rows at 1/3 pts 5-7
OTHERS 2x4 SPF No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 7=1865/0-5-8 (min. 0-1-8), 11=2009/0-5-8 (min. 0-1-8)
 Max Horz 11=238(LC 6)
 Max Uplift 7=-466(LC 7), 11=-535(LC 5)
 Max Grav 7=2336(LC 2), 11=2208(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-862/75, 3-12=-6868/1288, 4-12=-6753/1294, 4-5=-4929/951, 6-7=-507/150, 2-11=-490/148
 BOT CHORD 10-11=-1565/6133, 9-10=-1424/6629, 8-9=-1424/6629, 7-8=-782/3974
 WEBS 3-10=0/690, 4-10=0/540, 4-8=-2078/606, 5-8=-200/1494, 5-7=-4283/915, 3-11=-5554/1492

- NOTES**
- 1) Wind: ASCE 7-05; 100mph (3-second gust); 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 greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Bearing at joint(s) 7, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) One H2.5T Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7 and 11. This connection is for uplift only and does not consider lateral forces.
 - 10) 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.
 - 11) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard