Job	Truss	Truss Type	Qty	Ply	
TESTX	T06	SPECIAL TRUSS	9	1	2 STORY Job Reference (optional)

Saratoga Lumber Traders, Ballston Spa, NY 12020 — Run: 7.410 s Mar 11 2013 Print: 7.410 s Mar 11 2013 MiTek Industries, Inc. Mon Jun 24 11:45:58 2013 Page 1

ID:t8wZb0YM8M9YPT4tfZnYYcztn?v-kZ8_Xwwkn7shJsxdU0ofV6zVj8xRrWBZosnOYuz35R7

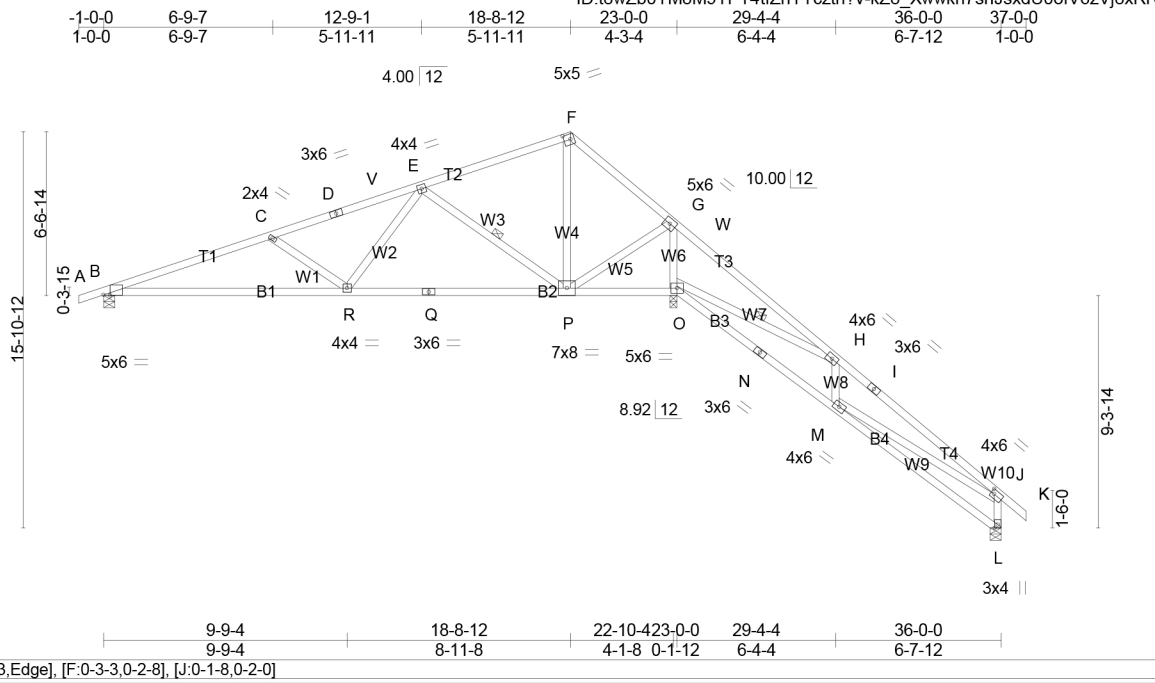

Plate Offsets (X,Y): [B:0-3-3,Edge], [F:0-3-3,0-2-8], [J:0-1-8,0-2-0]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	35.8 **	Plates Increase	1.15	TC	0.96	Vert(LL)	-0.17	R	>999	240	MT20	169/123
(Ground Snow=50.0)		Lumber Increase	1.15	BC	0.53	Vert(TL)	-0.35	R-U	>792	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.07	L	n/a	n/a		
BCLL	0.0 *	Code	IBC2006/TPI2002	(Matrix-M)							Weight: 148 lb	FT = 20%
BCDL	10.0											

LUMBER
TOP CHORD 2x4 SPF-S No.2
BOT CHORD 2x4 SYP No.1
WEBS 2x4 SPF-S No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: O-P.
WEBS 1 Row at midpt E-P, H-O

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

REACTIONS (lb/size) B=1342/0-5-8 (min. 0-1-11), O=2353/0-3-8 (min. 0-2-12), L=608/0-5-8 (min. 0-1-8)
Max Horz B=-333(LC 9)
Max Uplift B=-133(LC 9), O=-30(LC 9), L=-231(LC 9)
Max Grav B=1452(LC 2), O=2353(LC 1), L=651(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2917/262, C-D=-2354/174, D-V=-2268/175, E-V=-2172/188, E-F=-734/125, F-G=-776/136, G-W=-44/1413, H-W=-89/1229, H-I=-795/324, I-J=-1138/298, J-L=-716/281
BOT CHORD B-R=-17/2683, Q-R=-104/1757, P-Q=-104/1757, O-P=-817/392, N-O=-66/947, M-N=-94/908, L-M=-50/260
WEBS C-R=-673/166, E-R=0/707, E-P=-1487/173, G-P=0/1477, G-O=-2449/222, H-O=-1674/494, J-M=-38/625

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=36ft; 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= varies (min. roof snow=35.8 psf) see load cases; 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 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) Bearing at joint(s) L considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint B, 30 lb uplift at joint O and 231 lb uplift at joint L.
10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard
1) Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-F=-97, F-J=-92, J-K=-92, O-S=-20, L-O=-20