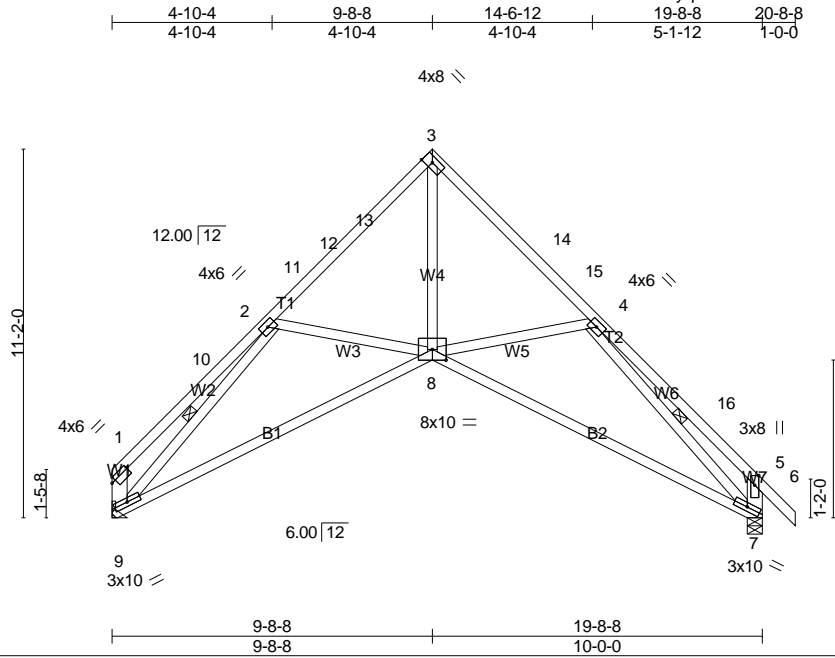


Job 662341	Truss 003	Truss Type STUB	Qty 4	Ply 1	Job Reference (optional)
---------------	--------------	--------------------	----------	----------	--------------------------

Boise Structural Solutions, Biddeford, ME 04005

ID:0o4hztUSKWisBKBXNWHIW0yqcV8-ZPcGkZP9RRkDxPOQUCMim2LWiEVzookHLRizuXyflk6
7.530 s Jul 14 2014 MiTek Industries, Inc. Tue Sep 09 14:29:11 2014 Page 1



Scale = 1:69.8

Plate Offsets (X,Y)-- [1:0-1-10,0-1-8], [8:0-5-0,0-3-15]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 46.2 (Ground Snow=60.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.49 BC 0.81 WB 0.54 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.18 7-8 >999 240 Vert(TL) -0.47 7-8 >490 180 Horz(TL) 0.27 7 n/a n/a	MT20	169/123
TCDL 10.0	Rep Stress Incr YES				
BCLL 0.0 *	Code IBC2009/TPI2007			Weight: 89 lb	FT = 0%
BCDL 10.0					

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E
 BOT CHORD 2x4 SPF-S No.2
 WEBS 2x4 SPF-S No.2 *Except*
 W1,W7: 2x6 SPF 1650F 1.5E

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-1-3 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 5-11-0 oc bracing.
 WEBS 1 Row at midpt 2-9, 4-7

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

REACTIONS. (lb/size) 9=1270/Mechanical, 7=1417/0-5-8 (min. 0-2-6)
 Max Horz 9=-632(LC 6)
 Max Uplift 9=-391(LC 8), 7=-514(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-10=-645/407, 2-10=-371/426, 2-11=-1706/351, 11-12=-1575/360, 12-13=-1545/363,
 3-13=-1521/389, 3-14=-1521/389, 14-15=-1547/363, 4-15=-1707/350, 4-16=-479/480,
 5-16=-684/454, 1-9=-590/437, 5-7=-766/608
 BOT CHORD 8-9=-751/1450, 7-8=-224/1499
 WEBS 3-8=-297/1545, 4-8=-312/562, 2-8=-282/510, 2-9=-1532/205, 4-7=-1539/295

NOTES- (11)

- 1) Wind: ASCE 7-05; 120mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-6-4 to 3-6-4, Interior(1) 3-6-4 to 7-0-0, Exterior(2) 7-0-0 to 10-0-0, Interior(1) 13-0-0 to 18-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-05; Pg= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * 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.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Bearing at joint(s) 7 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 391 lb uplift at joint 9 and 514 lb uplift at joint 7.
- 10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard