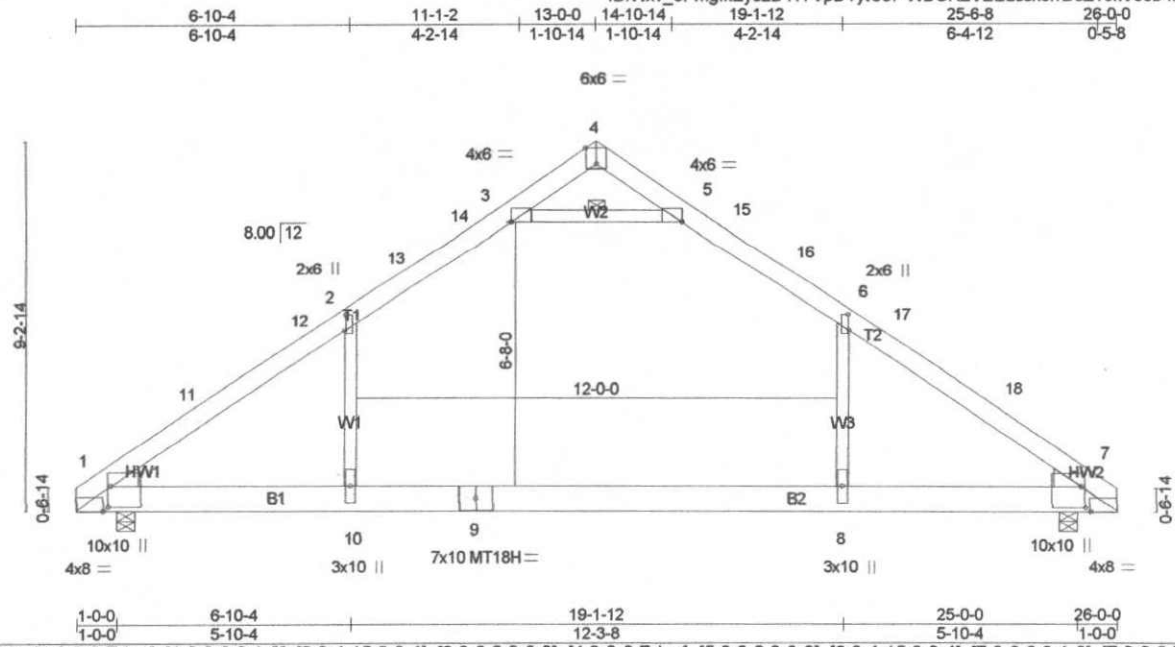


Job 651076	Truss 001	Truss Type ATTIC	Qty 9	Ply 1	Job Reference (optional)
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Boise Structural Solutions, Biddeford, ME 04005

7.420 s May 10 2013 MiTek Industries, Inc. Mon Jul 29 14:45:09 2013 Page 1
ID:Wkv_6PmgfkEy0zB4T7VpDYtCs7-WBGKEVEELsk6rrD5ZTJkV50b4lBIPhLhMsZp7lytBR8



Scale = 1:56.0

Plate Offsets (X,Y): [1:0-2-8,Edge], [1:0-6-0,0-1-0], [2:0-4-15,0-0-4], [3:0-0-2,0-0-0], [4:0-3-0,Edge], [5:0-0-2,0-0-0], [6:0-4-15,0-0-4], [7:0-6-0,0-1-0], [7:0-2-8,Edge]

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 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.87 BC 0.54 WB 0.63 (Matrix)	in (loc) l/def L/d Vert(LL) -0.70 8-10 >437 240 Vert(TL) -1.26 8-10 >243 180 Horz(TL) 0.04 7 n/a n/a Attic -0.28 8-10 521 360	MT20 MT18H Weight: 169 lb	169/123 244/190 FT = 0%

LUMBER
TOP CHORD 2x6 SP M 23
BOT CHORD 2x8 SP M 23
WEBS 2x4 SPF-S No.2
WEDGE
Left: 2x6 SPF 1650F 1.5E, Right: 2x6 SPF 1650F 1.5E

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-5

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

REACTIONS (lb/size) 1=1859/0-5-8 (min. 0-1-10), 7=1859/0-5-8 (min. 0-1-10)
Max Horz 1=518(LC 8)
Max Uplift 1=-397(LC 9), 7=-397(LC 10)
Max Grav 1=1933(LC 2), 7=1933(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2832/447, 11-12=-2540/455, 2-12=-2530/467, 2-13=-2015/576, 13-14=-1842/603,
3-14=-1822/611, 3-4=-198/1345, 4-5=-199/1345, 5-15=-1822/611, 15-16=-1842/603,
6-16=-2015/576, 6-17=-2530/467, 17-18=-2540/455, 7-18=-2832/447
BOT CHORD 1-10=-170/2015, 9-10=-170/2015, 8-9=-170/2015, 7-8=-170/2015
WEBS 3-5=-3631/954, 2-10=-63/969, 6-8=-62/969

- NOTES** (13)
- 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) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 10-0-0, Exterior(2) 10-0-0 to 13-0-0, Interior(1) 16-0-0 to 22-9-4 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 basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 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) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-5; Wall dead load (5.0psf) on member(s).2-10, 6-8
 - 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 8-10
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 397 lb uplift at joint 1 and 397 lb uplift at joint 7.
 - 11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 12) Attic room checked for L/360 deflection.
 - 13) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard