Job	Truss	Truss Type	Qty	Ply	
651076	001	ATTIC	9	1	Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005

7.420 s May 10 2013 MiTek Industr
ID:Wxv_6PmgfkEy0zB4T7VpDYytCs7-WBGKEVEELssi

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 09/13/13

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	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	46.2	Plates Increase	1.15	TC	0.87	Vert(LL)	-0.70	8-10	>437	240	MT20	169/123
(Ground Snow=60.0)		Lumber Increase	1.15	BC	0.54	Vert(TL)	-1.26	8-10	>243	180	MT18H	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.04	7	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)		Attic	-0.28	8-10	521	360	Weight: 169 lb	FT = 0%
BCDL	10.0											

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 Uplift1=-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