Job	Truss	Truss Type	Qty	Ply	PROVENCHER/PORTLAND, ME
684672	004	GESI	1	1	Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

7.640 s Feb 22 2016 MiTek Industries, Inc. Mon Mar 0
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Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 06/06/17

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	46.2	Plate Grip DOL 1.15	TC	0.28	Vert(LL)	-0.01	10-11	n/r	180	MT20	169/123
(Ground Snow=60.0)		Lumber DOL 1.15	BC	0.20	Vert(TL)	-0.01	10-11	n/r	120		
TCDL	10.0	Rep Stress Incr YES	WB	0.54	Horz(TL)	-0.01	13	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007	(Matrix)							Weight: 63 lb	FT = 0%
BCDL	10.0										

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF-S No.2
OTHERS 2x4 SPF-S No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. All bearings 12-0-0.
(lb) - Max Horz 2=228(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 16, 18, 14 except 2=-217(LC 3), 15=-135(LC 9), 17=-123(LC 8), 13=-333(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 2, 14 except 15=899(LC 1), 16=368(LC 2), 17=283(LC 2), 18=269(LC 1), 13=593(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-444/648, 3-4=-367/642, 4-19=-297/562, 19-20=-290/580, 5-20=-285/648, 5-6=-209/630, 6-7=-214/635, 7-21=-265/639, 21-22=-268/520, 8-22=-271/504, 8-9=-407/687, 9-10=-428/615
BOT CHORD 2-18=-482/451, 17-18=-482/451, 16-17=-482/451, 15-16=-482/451, 14-15=-482/451, 13-14=-482/451, 12-13=-482/451, 10-12=-482/451
WEBS 6-15=-833/307, 5-16=-331/134, 7-14=-282/80, 8-13=-372/220

NOTES- (13-14)
1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 5-0-0, Exterior(2) 5-0-0 to 8-0-0, Interior(1) 11-0-0 to 14-0-0 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) 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
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 18, 14 except (jt=lb) 2=217, 15=135, 17=123, 13=333.
11) Non Standard bearing condition. Review required.
12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Dimensions are in feet-inches-sixteenths
14) Drawing prepared exclusively for manufacturing by Boise Cascade.

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LOAD CASE(S) Standard