Job	Truss	Truss Type	Qty	Ply	PROVENCHER/PORTLAND, ME
684672	002	QUEENPOST	17	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

Plate Offsets (X,Y)-- [2:0-2-0,0-1-8], [6:0-2-0,0-1-8]

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)	-0.07	6-8	>999	240	MT20	169/123
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.39	Vert(TL)	-0.18	6-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horz(TL)	0.03	6	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 57 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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=1169/0-3-8 (min. 0-1-13), 6=1169/0-3-8 (min. 0-1-13)
Max Horz 2=228(LC 7)
Max Uplift2=-262(LC 8), 6=-262(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-1467/268, 3-9=-1347/293, 3-10=-1080/231, 10-11=-1056/233, 11-12=-960/243, 4-12=-956/257, 4-13=-956/257, 13-14=-960/243, 14-15=-1056/233, 5-15=-1080/231, 5-16=-1347/293, 6-16=-1467/268
BOT CHORD 2-8=-169/1107, 6-8=-106/1107
WEBS 3-8=-462/217, 4-8=-108/623, 5-8=-462/217

NOTES- (9-10)
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) 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 16.0 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=262, 6=262.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Dimensions are in feet-inches-sixteenths
10) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard