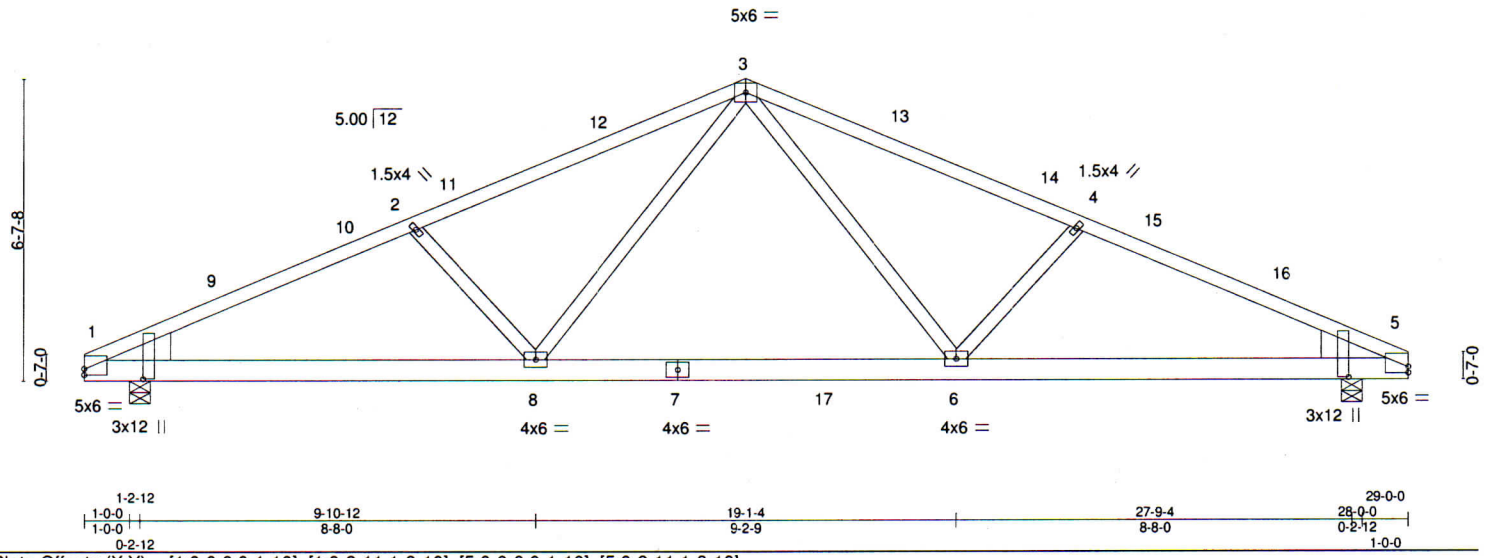
Job	Truss	Truss Type	Qty	Ply	
687478	002	Common	19	1	Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005

Run: 8.100 s Jan 17 2017 Print: 8.100 s Jan 17 2017 MiTek Industries, Inc. Mon Jun 19 11:31:00 2017 Page 1
ID:vBYonKlGWd_DabD?mJejPyz61js-UAMJlM5Dsh84cEgYJktpDgeLkKN56Llm2LxobKz4l79

7-3-6	14-6-0	21-8-10	29-0-0
7-3-6	7-2-10	7-2-10	7-3-6

Scale = 1:48.6



1-2-12	9-10-12	19-1-4	27-9-4	29-0-0
1-0-0 / 1-0-0	8-8-0	9-2-9	8-8-0	28-0-0 / 0-2-12
0-2-12				1-0-0

Plate Offsets (X,Y)-- [1:0-0-0,0-1-10], [1:0-2-11,1-3-10], [5:0-0-0,0-1-10], [5:0-2-11,1-3-10]

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	0.81	Vert(LL)	-0.18	6-8	>999	240	MT20	169/123
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.94	Vert(TL)	-0.30	1-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.36	Horz(TL)	0.09	5	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		Matrix-S							Weight: 130 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP 2700F 2.2E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF-S No.2
WEDGE
Left: 2x8 SP M 23, Right: 2x8 SP M 23

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.

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

REACTIONS. (lb/size) 1=1889/0-5-8 (min. 0-2-15), 5=1889/0-5-8 (min. 0-2-15)
Max Horz 1=49(LC 9)
Max Uplift1=-356(LC 9), 5=-356(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-3725/868, 9-10=-3585/869, 2-10=-3432/889, 2-11=-3182/792, 11-12=-3007/809, 3-12=-2995/823, 3-13=-2995/823, 13-14=-3007/809, 4-14=-3182/792, 4-15=-3432/889, 15-16=-3585/869, 5-16=-3725/868
BOT CHORD 1-8=-704/3263, 7-8=-371/2194, 7-17=-371/2194, 6-17=-371/2194, 5-6=-704/3263
WEBS 3-6=-185/1124, 4-6=-911/345, 3-8=-185/1124, 2-8=-911/345

NOTES- (9-10)
1) Wind: ASCE 7-05; 105mph; 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 11-6-0, Exterior(2) 11-6-0 to 14-6-0, Interior(1) 17-6-0 to 25-9-4 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) 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=356, 5=356.
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