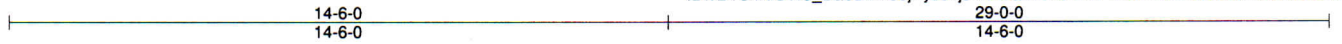


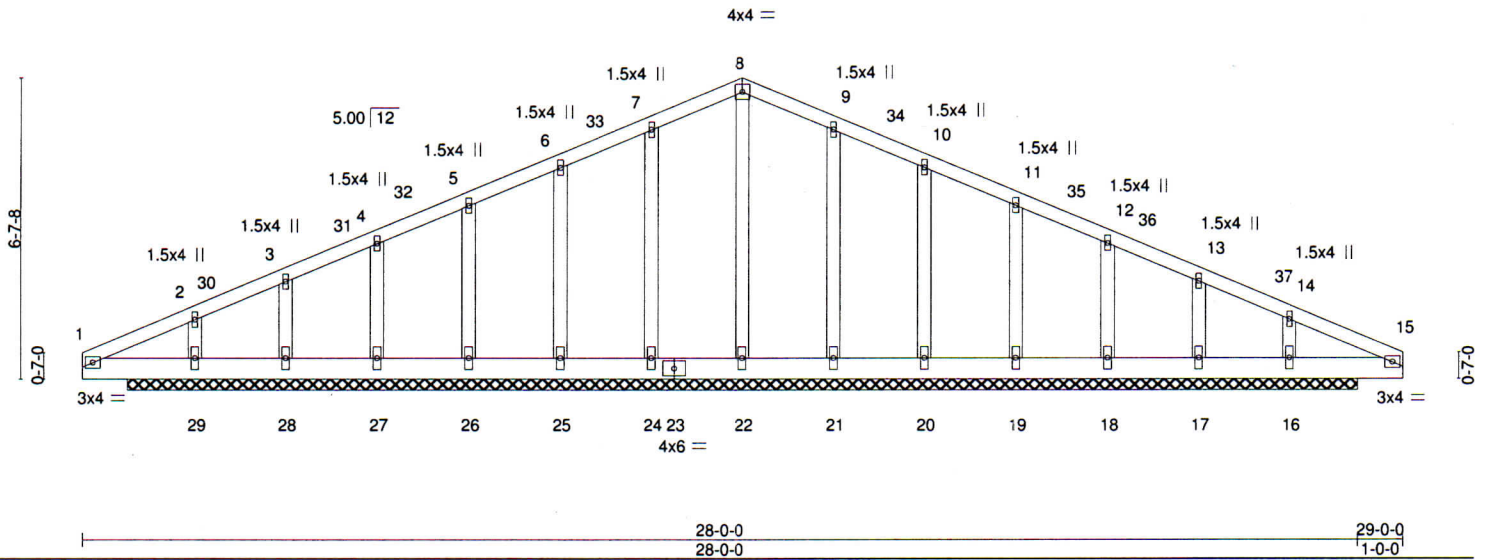
Job 687478	Truss 001	Truss Type GESI	Qty 1	Ply 1	Job Reference (optional)
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Boise Structural Solutions, Biddeford, ME 04005

Run: 8.100 s Jan 17 2017 Print: 8.100 s Jan 17 2017 MiTek Industries, Inc. Mon Jun 19 11:30:55 2017 Page 1
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Scale = 1:48.7



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 46.2 (Ground Snow=60.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.15 BC 0.10 WB 0.30 Matrix-R	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) -0.00 16 n/a n/a	MT20	169/123
TCDL 10.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 129 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
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 27-0-0.
(lb) - Max Horz 29=-50(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 24, 25, 26, 27, 28, 21, 20, 19, 18, 17 except 29=-121(LC 9), 16=-126(LC 10)
Max Grav All reactions 250 lb or less at joint(s) 28, 17 except 22=396(LC 1), 24=368(LC 13), 25=354(LC 13), 26=311(LC 13), 27=304(LC 13), 29=540(LC 13), 21=368(LC 14), 20=354(LC 14), 19=311(LC 14), 18=304(LC 14), 16=540(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-168/261, 7-8=0/290, 8-9=0/290, 14-15=-168/261
WEBS 8-22=-356/0, 7-24=-329/200, 6-25=-312/149, 5-26=-281/129, 2-29=-305/255, 9-21=-329/200, 10-20=-312/149, 11-19=-281/129, 14-16=-305/255

- NOTES-** (13-14)
- 1) Wind: ASCE 7-05; 105mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) 0-0-0 to 3-0-0, Exterior(2) 3-0-0 to 11-6-0, Corner(3) 11-6-0 to 14-6-0, Exterior(2) 17-6-0 to 26-0-0 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) TCCL: 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 basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 6) All plates are 2x6 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) 24, 25, 26, 27, 28, 21, 20, 19, 18, 17 except (jt=lb) 29=121, 16=126.
 - 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.

LOAD CASE(S) Standard