

Job 660255	Truss 002	Truss Type GESI	Qty 2	Ply 1	Job Reference (optional)
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Boise Structural Solutions, Biddeford, ME 04005

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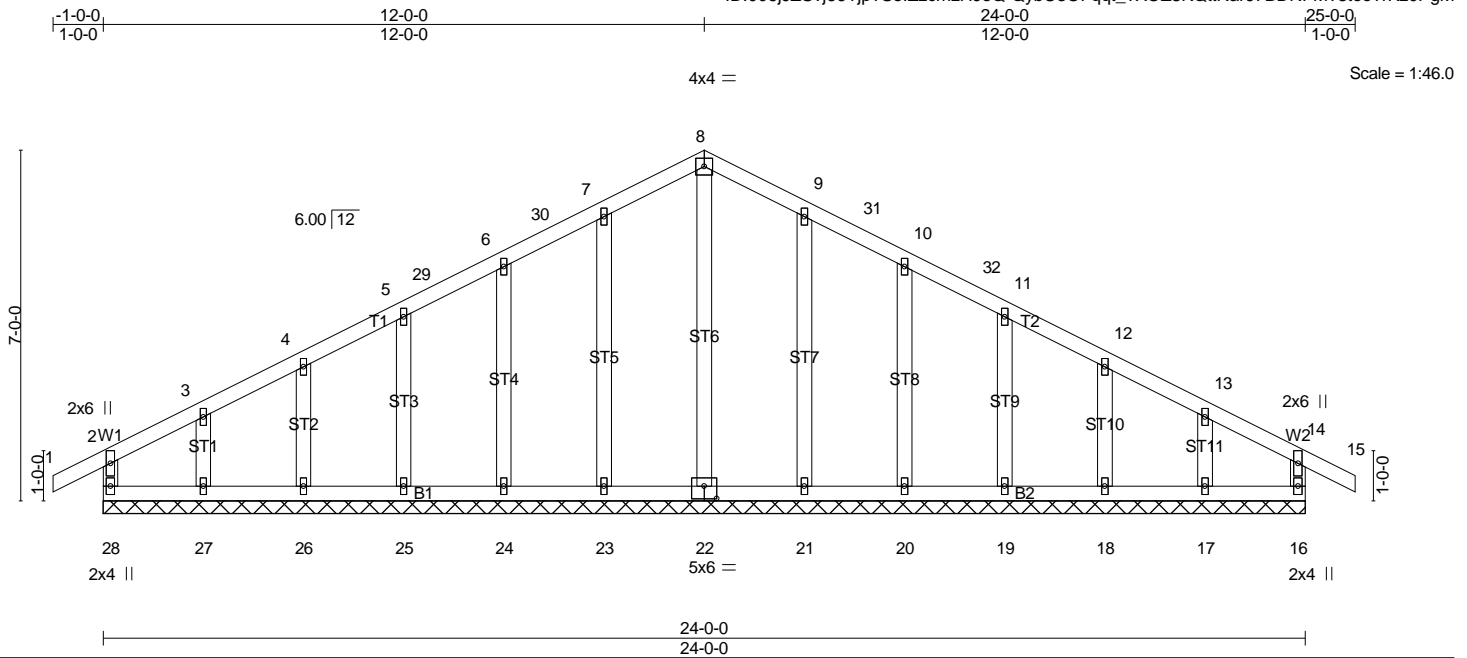


Plate Offsets (X,Y)-- [22:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 46.2 (Ground Snow=60.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.15 BC 0.08 WB 0.23 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.01 15 n/r 180 Vert(TL) -0.01 15 n/r 120 Horz(TL) 0.01 16 n/a n/a	MT20	169/123
TCDL 10.0	Rep Stress Incr YES				
BCLL 0.0 *	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 98 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E
 BOT CHORD 2x4 SPF-S No.2
 WEBS 2x4 SPF-S No.2
 OTHERS 2x4 SPF-S No.2
 SLIDER Left 2x8 SP M 23 3-2-14, Right 2x8 SP M 23 3-2-14

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 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 24-0-0.

(lb) - Max Horz 28=138(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 23, 24, 21, 20 except 28=127(LC 6),
 16=122(LC 9), 25=121(LC 8), 26=144(LC 8), 27=-192(LC 8), 19=-120(LC 9),
 18=-148(LC 9), 17=-177(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) 27, 17 except 28=274(LC 2),
 16=274(LC 3), 22=268(LC 1), 23=365(LC 2), 24=351(LC 2), 25=283(LC 2),
 26=273(LC 1), 21=365(LC 3), 20=351(LC 3), 19=283(LC 3), 18=273(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 6-30=-22/291, 7-30=-5/296, 7-8=-75/380, 8-9=-75/380, 9-31=-5/296, 10-31=-69/291,
 2-28=-251/224, 14-16=-251/224
 WEBS 7-23=-325/164, 6-24=-311/147, 9-21=-325/164, 10-20=-311/147

NOTES- (14)

- 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 15-0-0 to 22-0-0 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 18.0 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 requires continuous bottom chord bearing.
- 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * 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.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 24, 21, 20 except (jt=lb) 28=127, 16=122, 25=121, 26=144, 27=192, 19=120, 18=148, 17=177.
- 13) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI

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ID:006jZSvj66Yjp?SelZzcmzHJeQ-QybU3OFqqt_?XOZ8KQttRar97BDNFM?3too?rKz0PgM

14) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard