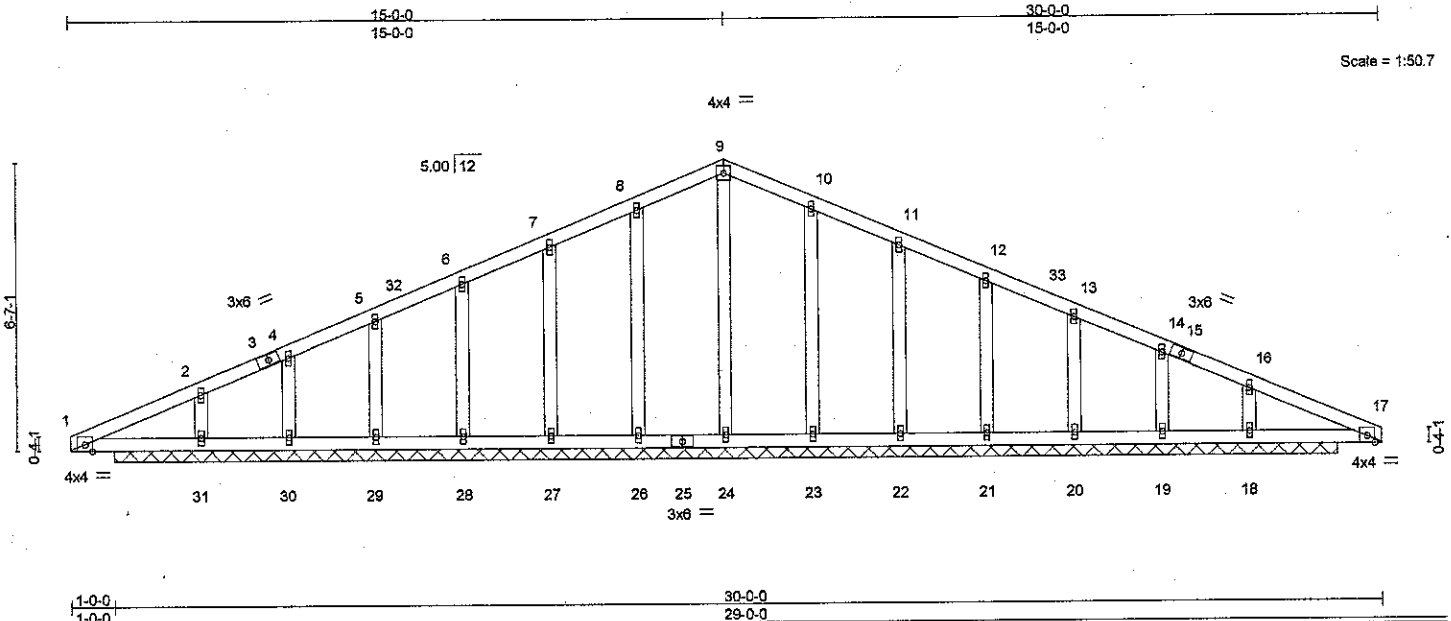


Job	Truss	Truss Type	Qty	Ply	STANDARDS IRC 2009	I21024846
STANDARDS_IRC_2009	S30CG	STANDARD	2	1	Job Reference (optional)	

Mainly Trusses, Inc., Fairfield, ME

7.350 e Sep 26 2012 MiTek Industries, Inc. Wed Aug 21 06:04:04 2013 Page 1
ID:kRAUBx3WC_BnRHUFFzjcbYKHBz-Okbcj4k84WWQ8d?skXKQ0KckcYqZ8n15kKqIvdyIj1P



Scale = 1:50.7

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 61.6 (Ground Snow=80.0)	Plates Increase 1.15 Lumber Increase 1.15	TC 0.45 BC 0.32 WB 0.39 (Matrix)	in (loc) l/def L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) -0.02 18 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0	Rep Stress Incr YES Code IRC2009/TPI2007			Weight: 121 lb	FT = 15%

LUMBER
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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

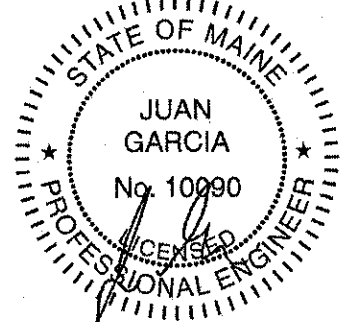
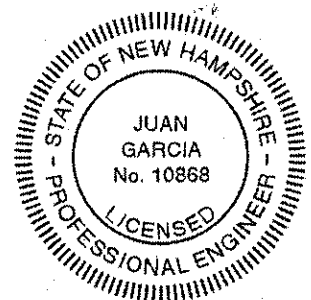
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide.

REACTIONS All bearings 28-0-0.
(lb) - Max Horz 31=98(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 26, 27, 28, 29, 30, 31, 23, 22, 21, 20, 19 except 18=102(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 30, 19 except 24=604(LC 1), 26=452(LC 2), 27=423(LC 2), 28=410(LC 2), 29=397(LC 2), 31=709(LC 2), 23=452(LC 3), 22=423(LC 3), 21=410(LC 3), 20=397(LC 3), 18=709(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=120/501, 2-3=-59/341, 3-4=-54/436, 4-5=-14/465, 5-32=0/363, 6-32=0/458, 6-7=0/459, 7-8=0/461, 8-9=0/455, 9-10=0/455, 10-11=0/461, 11-12=0/459, 12-33=0/458, 13-33=0/363, 13-14=-8/465, 14-15=-47/436, 15-16=-53/341, 16-17=-115/501
BOT CHORD 1-31=-375/140, 30-31=-375/135, 29-30=-375/135, 28-29=-375/135, 27-28=-375/135, 26-27=-375/135, 25-26=-375/135, 24-25=-375/135, 23-24=-375/135, 22-23=-375/135, 21-22=-375/135, 20-21=-375/135, 19-20=-375/135, 18-19=-375/135, 17-18=-375/135
WEBS 9-24=-564/0, 8-26=-413/98, 7-27=-381/106, 6-28=-379/103, 5-29=-325/104, 2-31=-497/130, 10-23=-413/98, 11-22=-381/107, 12-21=-379/103, 13-20=-325/105, 16-18=-497/133

- NOTES**
- 1) Wind: ASCE 7-05; 100mph (3-second gust); TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; 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=80.0 psf (ground snow); Ps=61.6 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Roof design snow load has been reduced to account for slope.
 - 5) Unbalanced snow loads have been considered for this design.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 27, 28, 29, 30, 31, 23, 22, 21, 20, 19 except (jt=ib) 18=102.
 - 10) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard



August 21, 2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314. If Southern Pine [SP] lumber is specified, the design values are those effective 06/01/2012 by ALSC.

MiTek
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