

Job 7073R1	Truss A1	Truss Type Common Supported Gable	Qty 2	Ply 1	Job Reference (optional)
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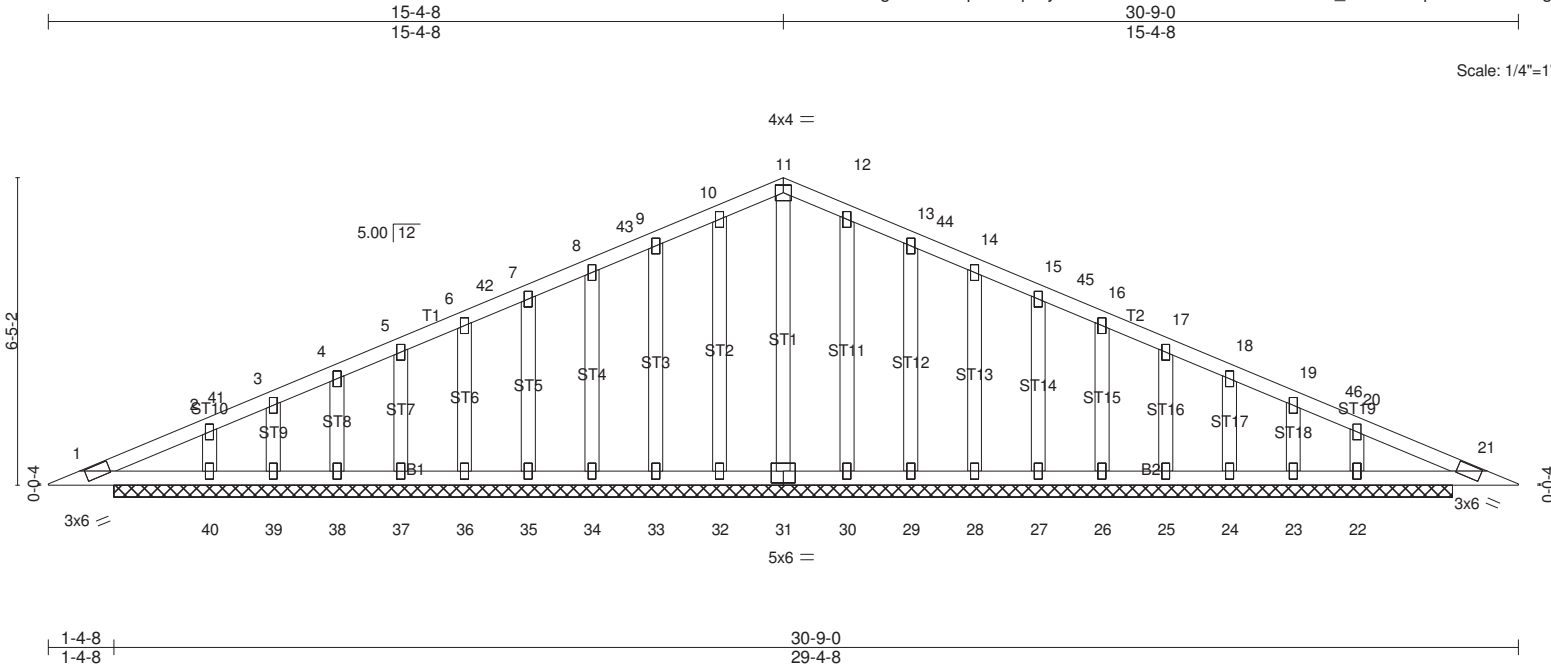


Plate Offsets (X,Y)-- [31:0-3-0-0-3-0]		LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL 40.0		Plate Grip DOL 1.15		TC 0.12		Vert(LL) n/a - n/a 999		MT20		197/144			
(Roof Snow=40.0)		Lumber DOL 1.15		BC 0.05		Vert(TL) n/a - n/a 999							
TCDL 14.0		Rep Stress Incr YES		WB 0.11		Horz(TL) 0.00 21 n/a n/a							
BCLL 0.0 *		Code IRC2012/TPI2007		(Matrix)									
BCDL 10.0													

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 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.		REACTIONS. (lb/size)	
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.		Max Uplift		BOT CHORD	
		27 = -18(LC 14)		31-32 = -26/93	
		26 = -18(LC 14)		29-30 = -26/93	
		25 = -18(LC 14)		28-29 = -26/93	
		24 = -19(LC 14)		26-27 = -26/93	
		23 = -11(LC 14)		24-25 = -26/93	
		22 = -37(LC 14)		22-23 = -26/93	
		Max Grav		WEBS	
		1 = 145(LC 1)		11-31 = -125/0	
		21 = 145(LC 1)		9-33 = -196/91	
		31 = 152(LC 1)		8-34 = -197/55	
		32 = 232(LC 18)		7-35 = -190/54	
		33 = 223(LC 18)		5-37 = -142/54	
		34 = 224(LC 18)		4-38 = -156/62	
		35 = 217(LC 18)		3-39 = -89/35	
		36 = 177(LC 18)		2-40 = -281/174	
		37 = 167(LC 1)		12-30 = -205/85	
		38 = 188(LC 18)		14-28 = -197/55	
		39 = 96(LC 1)		16-26 = -150/55	
		40 = 351(LC 18)		18-24 = -156/62	
		30 = 232(LC 19)		20-22 = -281/174	
		29 = 223(LC 19)			
		28 = 224(LC 19)			
		27 = 177(LC 19)			
		26 = 177(LC 19)			
		25 = 167(LC 1)			
		24 = 188(LC 19)			
		23 = 96(LC 1)			
		22 = 351(LC 19)			

FORCES. (lb) - Maximum Compression/Maximum Tension		JOINT STRESS INDEX	
TOP CHORD		1 = 0.00, 2 = 0.00, 3 = 0.00, 4 = 0.00, 5 = 0.00, 6 = 0.00, 7 = 0.00, 8 = 0.00, 9 = 0.00, 10 = 0.00, 11 = 0.00, 12 = 0.00, 13 = 0.00, 14 = 0.00, 15 = 0.00, 16 = 0.00, 17 = 0.00, 18 = 0.00, 19 = 0.00, 20 = 0.00, 21 = 0.00, 22 = 0.00, 23 = 0.00, 24 = 0.00, 25 = 0.00, 26 = 0.00, 27 = 0.00, 28 = 0.00, 29 = 0.00, 30 = 0.00, 31 = 0.00, 32 = 0.00, 33 = 0.00, 34 = 0.00, 35 = 0.00, 36 = 0.00, 37 = 0.00, 38 = 0.00, 39 = 0.00 and 40 = 0.00	
1-2 = -105/94		NOTES-	
3-4 = -72/65		1) Wind: ASCE 7-10; Vult=115mph (3-second gust)	
5-6 = -65/88		V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; eave=2ft; Cat. II; Exp C; enclosed; MWFRS (directional) and C-C Corner(3) 0-8-2 to 3-9-1, Exterior(2) 3-9-1 to 15-4-8, Corner(3) 15-4-8 to 18-5-6 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60	
7-8 = -56/142		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.	
9-10 = -69/198		3) TCLL: ASCE 7-10; Pf=40.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1	
11-12 = -77/220		4) Unbalanced snow loads have been considered for this design.	
13-14 = -59/169		5) All plates are 2x4 MT20 unless otherwise indicated.	
15-16 = -40/115		6) Gable studs spaced at 1-4-0 oc.	
17-18 = -39/61		7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.	
19-20 = -59/18			
BOT CHORD			
1-40 = -26/93			
38-39 = -26/93			
36-37 = -26/93			
34-35 = -26/93			
32-33 = -26/93			

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NOTES-

- 8) * This truss has been designed for a live load of 40.0psf 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.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 32, 22 lb uplift at joint 33, 18 lb uplift at joint 34, 18 lb uplift at joint 35, 18 lb uplift at joint 36, 18 lb uplift at joint 37, 19 lb uplift at joint 38, 11 lb uplift at joint 39, 37 lb uplift at joint 40, 9 lb uplift at joint 30, 22 lb uplift at joint 29, 18 lb uplift at joint 28, 18 lb uplift at joint 27, 18 lb uplift at joint 26, 18 lb uplift at joint 25, 19 lb uplift at joint 24, 11 lb uplift at joint 23 and 37 lb uplift at joint 22.
- 10) Non Standard bearing condition. Review required.
- 11) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) *Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S)

Standard



Exp. 09/30/2017

Erik R. Eriksen, Jr.

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