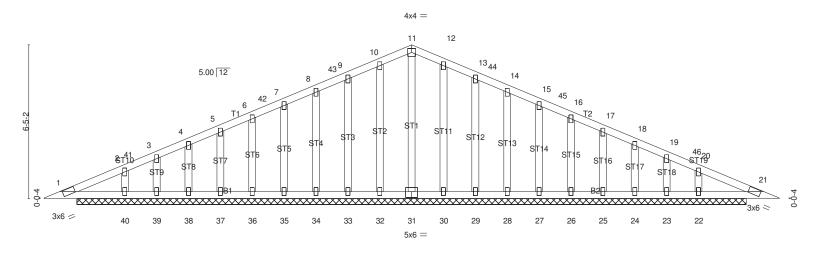
Job Truss Truss Type 7073R1 Α1 Common Supported Gable 2

| Job Reference (optional)
| Run: 8.000 s Jan 15 2016 Print: 8.000 s Jan 15 2016 MTek Industries, Inc. Tue Jun 28 06:55:29 2016 Page 1
| ID:DbYlgA49ZtCLq9YnDqC?yrz81?n-7IBUYaVhcfxR7UXPNKvS0_dRuQNRqbo72TIVa7z1ogi

30-9-0

Scale: 1/4"=1'



1-4-8			30-9-0	1
1-4-8			29-4-8	
Plate Offsets (X,Y) [31:0-	-3-0,0-3-0]			
LOADING (psf) TCLL 40.0 (Roof Snow=40.0) TCDL 14.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2012/TPI2007	CSI. TC 0.12 BC 0.05 WB 0.11 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 21 n/a n/a	PLATES GRIP MT20 197/144 Weight: 142 lb FT = 10%

L	U	M	В	E	F	₹-	

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

BRACING-TOP CHORD **BOT CHORD**

Structural wood sheathing directly applied or 6-0-0 oc purlins.

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.

15-4-8

REA	CTIONS.	(lb/size)
1	=	

1 = 145/28-0-0 21 = 145/28-0-0 31 = 152/28-0-0 32 = 176/28-0-0 33 = 170/28-0-0 34 = 171/28-0-0 35 = 171/28-0-0 36 = 171/28-0-0 37 = 167/28-0-0 38 = 187/28-0-0 39 = 96/28-0-0 40 = 351/28-0-0 30 = 176/28-0-0 29 = 170/28-0-0 27 = 171/28-0-0 27 = 171/28-0-0 28 = 171/28-0-0 29 = 170/28-0-0 20 = 171/28-0-0 21 = 171/28-0-0 22 = 171/28-0-0 23 = 96/28-0-0 24 = 187/28-0-0 25 = 167/28-0-0 26 = 171/28-0-0 27 = 171/28-0-0 28 = 171/28-0-0 29 = 170/28-0-0 20 = 171/28-0-0 21 = 99(LC 13) Max Uplift 32 = 9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14)	REAC	TIONS.	(lb/size)	
31 = 152/28-0-0 32 = 176/28-0-0 33 = 170/28-0-0 34 = 171/28-0-0 35 = 171/28-0-0 36 = 171/28-0-0 37 = 167/28-0-0 38 = 187/28-0-0 39 = 96/28-0-0 40 = 351/28-0-0 30 = 176/28-0-0 29 = 170/28-0-0 27 = 171/28-0-0 26 = 171/28-0-0 27 = 171/28-0-0 26 = 171/28-0-0 27 = 171/28-0-0 28 = 171/28-0-0 29 = 351/28-0-0 20 = 96/28-0-0 21 = 96/28-0-0 22 = 351/28-0-0 23 = 96/28-0-0 24 = 187/28-0-0 25 = 167/28-0-0 26 = 171/28-0-0 27 = 171/28-0-0 28 = 171/28-0-0 29 = 171/28-0-0 20 = 96/28-0-0 21 = 99(LC 13) 22 = 99(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14)	1	=	,	145/28-0-0
32 = 176/28-0-0 33 = 170/28-0-0 34 = 171/28-0-0 35 = 171/28-0-0 36 = 171/28-0-0 37 = 167/28-0-0 38 = 187/28-0-0 39 = 96/28-0-0 40 = 351/28-0-0 30 = 176/28-0-0 29 = 170/28-0-0 27 = 171/28-0-0 27 = 171/28-0-0 27 = 171/28-0-0 27 = 171/28-0-0 21 = 171/28-0-0 22 = 351/28-0-0 23 = 96/28-0-0 24 = 187/28-0-0 25 = 167/28-0-0 26 = 171/28-0-0 27 = 171/28-0-0 28 = 171/28-0-0 29 = 171/28-0-0 20 = 171/28-0-0 21 = 99(LC 13) Max Uplift 32 = 99(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	21	=		145/28-0-0
33 = 170/28-0-0 34 = 171/28-0-0 35 = 171/28-0-0 36 = 171/28-0-0 37 = 167/28-0-0 38 = 187/28-0-0 39 = 96/28-0-0 40 = 351/28-0-0 30 = 176/28-0-0 29 = 170/28-0-0 27 = 171/28-0-0 28 = 171/28-0-0 27 = 171/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 25 = 96/28-0-0 21 = 99(LC 13) Max Uplift 32 = 99(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	31	=		152/28-0-0
34 = 171/28-0-0 35 = 171/28-0-0 36 = 171/28-0-0 37 = 167/28-0-0 38 = 187/28-0-0 39 = 96/28-0-0 40 = 351/28-0-0 29 = 170/28-0-0 28 = 171/28-0-0 26 = 171/28-0-0 25 = 167/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 25 = 96/28-0-0 22 = 96/28-0-0 23 = 96/28-0-0 21 = 99(LC 13) Max Uplift 32 = 9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	32	=		176/28-0-0
35 = 171/28-0-0 36 = 171/28-0-0 37 = 167/28-0-0 38 = 187/28-0-0 39 = 96/28-0-0 40 = 351/28-0-0 30 = 176/28-0-0 29 = 170/28-0-0 27 = 171/28-0-0 26 = 171/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 23 = 96/28-0-0 24 = 187/28-0-0 21 = 99(LC 13) Max Uplift 32 = 9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	33	=		170/28-0-0
36 = 171/28-0-0 37 = 167/28-0-0 38 = 187/28-0-0 39 = 96/28-0-0 40 = 351/28-0-0 30 = 176/28-0-0 29 = 170/28-0-0 27 = 171/28-0-0 26 = 171/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 23 = 96/28-0-0 24 = 351/28-0-0 21 = 99(LC 13) Max Uplift 32 = 9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	34	=		171/28-0-0
37 = 167/28-0-0 38 = 187/28-0-0 39 = 96/28-0-0 40 = 351/28-0-0 30 = 176/28-0-0 29 = 170/28-0-0 28 = 171/28-0-0 26 = 171/28-0-0 25 = 167/28-0-0 23 = 96/28-0-0 23 = 96/28-0-0 22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	35	=		171/28-0-0
38 = 187/28-0-0 39 = 96/28-0-0 40 = 351/28-0-0 30 = 176/28-0-0 29 = 170/28-0-0 27 = 171/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 22 = 351/28-0-0 22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	36	=		171/28-0-0
39 = 96/28-0-0 40 = 351/28-0-0 30 = 176/28-0-0 29 = 170/28-0-0 27 = 171/28-0-0 26 = 171/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 23 = 96/28-0-0 22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	37	=		167/28-0-0
40 = 351/28-0-0 30 = 176/28-0-0 29 = 170/28-0-0 28 = 171/28-0-0 26 = 171/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 23 = 96/28-0-0 22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	38	=		187/28-0-0
30 = 176/28-0-0 29 = 170/28-0-0 28 = 171/28-0-0 27 = 171/28-0-0 26 = 171/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	39	=		96/28-0-0
29 = 170/28-0-0 28 = 171/28-0-0 27 = 171/28-0-0 26 = 171/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 23 = 96/28-0-0 22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	40	=		351/28-0-0
28 = 171/28-0-0 27 = 171/28-0-0 26 = 171/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 23 = 96/28-0-0 22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	30	=		176/28-0-0
27 = 171/28-0-0 26 = 171/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 23 = 96/28-0-0 22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 37 = -18(LC 14)	29	=		170/28-0-0
26 = 171/28-0-0 25 = 167/28-0-0 24 = 187/28-0-0 23 = 96/28-0-0 22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	28	=		171/28-0-0
25 = 167/28-0-0 24 = 187/28-0-0 23 = 96/28-0-0 22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	27	=		171/28-0-0
24 = 187/28-0-0 23 = 96/28-0-0 22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	26	=		171/28-0-0
23 = 96/28-0-0 22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	25	=		167/28-0-0
22 = 351/28-0-0 Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	24	=		187/28-0-0
Max Horz 1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	23	=		96/28-0-0
1 = 99(LC 13) Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	22	=		351/28-0-0
Max Uplift 32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	Max H	orz		
32 = -9(LC 14) 33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	1	=		99(LC 13)
33 = -22(LC 14) 34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	Max U	plift		
34 = -18(LC 14) 35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	32	=		
35 = -18(LC 14) 36 = -18(LC 14) 37 = -18(LC 14)	33	=		-22(LC 14)
36 = -18(LC 14) 37 = -18(LC 14)	34	=		-18(LC 14)
37 = -18(LC 14)	35	=		-18(LC 14)
	36	=		-18(LC 14)
	37	=		-18(LC 14)
38 = -19(LC 14)	38	=		-19(LC 14)
39 = -11(LC 14)	39	=		-11(LC 14)
40 = -37(LC 14)	40	=		-37(LC 14)
$30 = -9(\dot{L}C \ 14)$	30	=		-9(LC 14)
-22(LC 14)	29	=		-22(LC 14)

-18(LC 14)

27	=	-18(LC 14)
26	=	-18(LC 14)
25	=	-18(LC 14)
24	=	-19(LC 14)
23	=	-11(LC 14)
22	=	-37(LC 14)
Max G	rav	
1	=	145(LC 1)
21	=	145(LC 1)
31	=	152(LC 1)
32	=	232(LC 18)
33	=	223(LC 18)
34	=	224(LC 18)
35	=	217(LC 18)
36	=	177(LC 18)
37	=	167(LC 1)
38	=	188(LC 18)
39	=	96(LC 1)
40	=	351(LC 18)
30	=	232(LC 19)
29	=	223(LC 19)
28	=	224(LC 19)
27	=	217(LC 19)
26	=	177(LC 19)
25	=	167(LC 1)
24	=	188(LC 19)
23	=	96(LC 1)
22	=	351(LC 19)

Max Uplift

FORCES. (lb) - Maximum Compression/Maximum Tension TOP CHORD

-105/94	2-3	= -93/61
-72/65	4-5	= -71/61
-65/88	6-7	= -60/115
-56/142	8-9	= -59/169
-69/198	10-11	= -77/220
-77/220	12-13	= -69/198
-59/169	14-15	= -50/142
-40/115	16-17	= -38/88
-39/61	18-19	= -39/31
-59/18	20-21	= -82/60
ORD		
-26/93	39-40	= -26/93
-26/93	37-38	= -26/93
-26/93	35-36	= -26/93
-26/93	33-34	= -26/93
-26/93		
	-105/94 -72/65 -65/88 -56/142 -69/198 -77/220 -59/169 -40/115 -39/61 -59/18 ORD -26/93 -26/93 -26/93 -26/93 -26/93	-105/94 2-3 -72/65 4-5 -65/88 6-7 -56/142 8-9 -69/198 10-11 -77/220 12-13 -59/169 14-15 -40/115 16-17 -39/61 18-19 -59/18 20-21 ORD -26/93 39-40 -26/93 37-38 -26/93 33-34

BOT CHO	ORD	
31-32 =	-26/93	30-31 = -26/93
29-30 =	-26/93	28-29 = -26/93
27-28 =	-26/93	26-27 = -26/93
25-26 =	-26/93	24-25 = -26/93
23-24 =	-26/93	22-23 = -26/93
21-22 =	-26/93	
WEBS		
11-31 =	-125/0	10-32 = -205/85
9-33 =	-196/91	8-34 = -197/55
7-35 =	-190/54	6-36 = -150/55
5-37 =	-142/54	4-38 = -156/62
3-39 =	-89/35	2-40 = -281/174
12-30 =	-205/85	13-29 = -196/91
14-28 =	-197/55	15-27 = -190/54

20-22 = -281/174JOINT STRESS INDEX

-156/62

16-26 = -150/55

NO 31 HESS INDEX 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

17-25 = -142/54

19-23 = -89/35

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) 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
- 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 7-10; Pf=40.0 psf (flat roof snow); Category II; Exp
- C; Partially Exp.; Ct=1.1
- 4) Unbalanced snow loads have been considered for this design.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 1-4-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

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

Run: 8.000 s Jan 15 2016 Print: 8.000 s Jan 15 2016 MTek Industries, Inc. Tue Jun 28 06:55:29 2016 Page 2 ID:DbYlgA49ZtCLq9YnDqC?yrz81?n-7IBUYaVhcfxR7UXPNKvS0_dRuQNRqbo72TIVa7z1ogi

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 capable of withstanding 9 in uplift at joint 32, 22 ib uplift at joint 33, 18 ib uplift at joint 34, 18 ib uplift at joint 36, 18 ib uplift at joint 37, 19 ib uplift at joint 38, 11 ib uplift at joint 39, 37 ib uplift at joint 40, 9 ib uplift at joint 30, 22 ib uplift at joint 29, 18 ib uplift at joint 28, 18 ib uplift at joint 27, 18 ib uplift at joint 26, 18 ib uplift at joint 25, 19 ib uplift at joint 24, 11 ib uplift at joint 23 and 37 ib uplift at joint 22.

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



Job	Truss	Truss Type	Qty	Ply		
7073R1	A2	Common	22	1		
					Job Reference (optional)	
Run: 8.000 s Jan 15 2016 Print: 8.000 s Jan 15 2016 MiTek Industries, Inc. Tue Jun 28 06:55:29 2016 Page 1 ID:DbYIgA49ZtCLq9YnDqC?yrz81?n-7IBUYaVhcfxR7UXPNKvS0_dHZQB9qQL72TIVa7z1ogi						

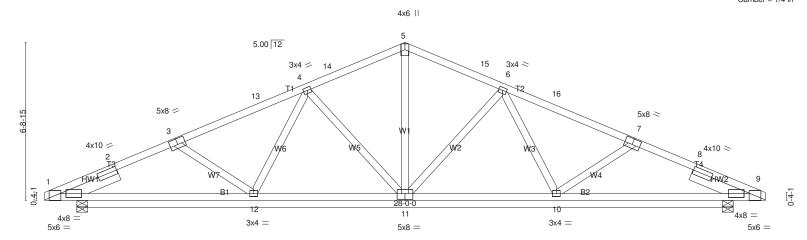
4-2-0

4-2-0

25-0-13

5-6-5

Scale = 1:49.1 Camber = 1/4 in



1939#/-122#					1939#/-122#
1-4-8	8-11-1 7-6-9	15-4-8 6-5-7	21-10-0 6-5-8	29-4-8 7-6-9	30-9-0 1-4-8
Plate Offsets (X,Y) [1:0-3	3-2,0-2-0], [1:0-0-8,Edge], [3:0-4-0,0-3-0]	, [7:0-4-0,0-3-0], [9:1-1-13,Edge],	[9:0-3-2,0-2-0], [11:0-4-0,0-3-0]		
LOADING (psf) TCLL 40.0 (Roof Snow=40.0) TCDL 14.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2012/TPI2007	CSI. TC 0.71 BC 0.77 WB 0.78 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.24 11 >999 360 Vert(TL) -0.48 1-12 >756 240 Horz(TL) 0.18 9 n/a n/a Wind(LL) 0.10 11 >999 240	PLATES GRIP MT20 197/144 Weight: 124 lb FT = 10)%

LUMBER-

BCDL

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF 1650F 1.5E **WEBS** 2x4 SPF No.2 SLIDER Left 2x6 SPF No.2 2-7-10,

10.0

Right 2x6 SPF No.2 2-7-10

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.

5-8-3 5-8-3

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

1939/0-5-8

REACTIONS. (lb/size)

-	1000/0 0 0
9 =	1939/0-5-8
Max Horz	
1 =	105(LC 13)
Max Uplift	
1 =	-122(LC 14)
9 =	-122(LC 14)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP C	HC	ORD [°]			
1-3	=	-4078/381	3-4	=	-3560/322
4-5	=	-2593/307	5-6	=	-2593/307
6-7	=	-3560/322	7-9	=	-4078/381
BOT C	HC	ORD			
1-12	=	-286/3662	11-12	=	-168/2934
10-11	=	-168/2934	9-10	=	-286/3662
WEBS					
5-11	=	-133/1550	6-11	=	-1132/138
6-10	=	0/572	7-10	=	-600/162
4-11	=	-1132/138	4-12	=	0/572
3-12	=	-600/162			

JOINT STRESS INDEX

1 = 0.00, 1 = 0.00, 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, 9 = 0.00, 9 = 0.00, 10 = 0.00 11 = 0.00 and 12 = 0.00

NOTES-

11-2-8

5-6-5

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp C; enclosed; MWFRS (directional) and C-C Exterior(2) 02-212 to 3-3-10, Interior(1) 3-3-10 to 15-4-8, Exterior(2) 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

- 2) TCLL: ASCE 7-10; Pf=40.0 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 a 10.0 psf bottom chord live
- load nonconcurrent with any other live loads.
 5) * 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 1 and 122 lb uplift at joint 9.
 7) 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.
- 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S)

Standard

