Job Truss Truss Type Qty Green-R-Panel R61536051 19-100688T Α1 Common 15 Job Reference (optional)

8.330 s Feb 13 2020 MiTek Industries, Inc. Wed Mar 11 15:43:29 2020 Page 1

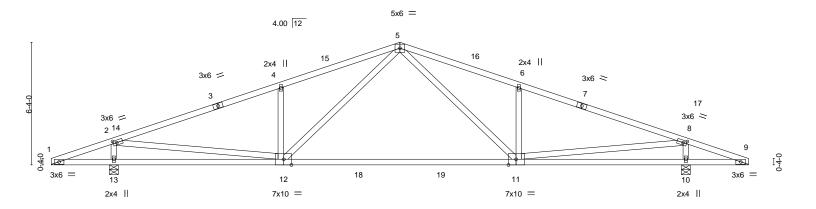
Structural wood sheathing directly applied or 3-8-11 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing, Except:

10-0-0 oc bracing: 11-12.

					ID:xTJc36g7ACQ6QAB3JY	PrlnyXjbm-iEL1mPbTvZhpU:	aKjSviONrbmeJc4	4IObkn676nUzbz(	C
1	3-2-12	6-6-6	12-0-0	18-0-0	24-0-0	29-5-10	32-9-4	36-0-0	
	3-2-12	3-3-10	5-5-10	6-0-0	6-0-0	5-5-10	3-3-10	3-2-12	

Scale = 1:59.5



⊢	3-0-0 3-2-1			-		24-0-0					3 <sub>1</sub> 0-0 36-0-0	-
	3-0-0 0-2-1:			<u>'</u>		12-0-0		<u> </u>		8-9-4	-2-12 3-0-0	
Plate Offse	ets (X,Y)	[2:0-2-4,0-1-8], [8:0-2-4,0	-1-8], [11:0-4-12	2,Edge], [12	2:0-4-12,Edge	e]						
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defI	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.56 11-12	>632	360	MT20	220/195	
TCDL	7.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.98 11-12	>362	240			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.03 10	n/a	n/a			
BCDL	10.0	Code IRC2015/TF	PI2014	Matrix	k-S	Wind(LL)	0.06 11-12	>999	240	Weight: 158 II	FT = 10%	

**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E **BOT CHORD** 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E \*Except\*

6-11,4-12,2-13,8-10: 2x4 DF Stud/Std

(size) 13=0-5-8, 10=0-5-8

Max Horz 13=-47(LC 13) Max Uplift 13=-39(LC 8), 10=-39(LC 9)

Max Grav 13=1512(LC 1), 10=1512(LC 1)

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

2-4=-2121/95, 4-5=-2089/155, 5-6=-2089/155, 6-8=-2121/95 TOP CHORD

**BOT CHORD** 11-12=-8/1432

**WEBS** 5-11=-8/756, 6-11=-513/157, 8-11=-140/1919, 5-12=-8/756, 4-12=-513/157,

2-12=-140/1919, 2-13=-1378/231, 8-10=-1378/231

## NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 3-7-3, Interior(1) 3-7-3 to 18-0-0, Exterior(2) 18-0-0 to 21-7-3, Interior(1) 21-7-3 to 36-0-0 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
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* 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, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 13 and 39 lb uplift at joint 10.





MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and permanent. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Green-R-Panel R61536052 19-100688T A1G GABLE Job Reference (optional)

8.330 s Feb 13 2020 MiTek Industries, Inc. Wed Mar 11 15:43:31 2020 Page 1 ID:xTJc36g7ACQ6QAB3JYPrlnyXjbm-edToB5cjRAxXjuU5aKlsSGgDM7UpmMW1EPcDsNzbz0A

18-0-0

Scale = 1:59.5

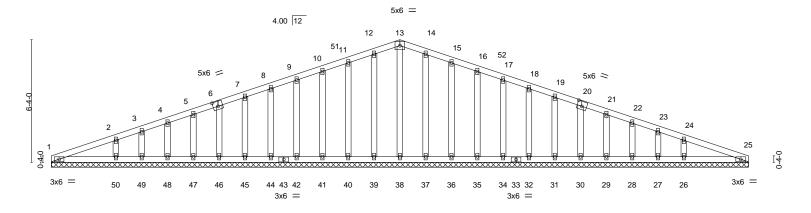


Plate Offsets (X,Y)--[6:0-3-0,0-3-0], [20:0-3-0,0-3-0] SPACING-LOADING (psf) CSI. DEFL. in (loc) I/defI L/d **PLATES** GRIP **TCLL** 25.0 Plate Grip DOL 1.15 TC 0.08 Vert(LL) 999 MT20 220/195 n/a n/a **TCDL** 7.0 Lumber DOL 1.15 ВС 0.05 Vert(CT) n/a n/a 999 **BCLL** 0.0 Rep Stress Incr YES WB 0.05 Horz(CT) 0.00 25 n/a n/a Code IRC2015/TPI2014 FT = 10% BCDL Matrix-S Weight: 201 lb 10.0

36-0-0

LUMBER-

TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E **BOT CHORD** 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

18-0-0

**OTHERS** 2x4 DF Stud/Std **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.

REACTIONS. All bearings 36-0-0.

(lb) -Max Horz 1=-47(LC 13)

Max Uplift All uplift 100 lb or less at joint(s) 39, 40, 41, 42, 44, 45, 46, 47, 48, 49, 50, 36, 35, 34, 32, 31,

30, 29, 28, 27, 26

All reactions 250 lb or less at joint(s) 1, 38, 39, 40, 41, 42, 44, 45, 46, 47, 48, 49, 37, 36, 35,

34, 32, 31, 30, 29, 28, 27, 25 except 50=293(LC 23), 26=293(LC 24)

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

# NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner(3) 0-0-0 to 3-4-0, Exterior(2) 3-4-0 to 18-0-0, Corner(3) 18-0-0 to 21-7-3, Exterior(2) 21-7-3 to 36-0-0 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
- 3) 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.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing
- 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.
- \* 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.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 39, 40, 41, 42, 44, 45, 46, 47, 48, 49, 50, 36, 35, 34, 32, 31, 30, 29, 28, 27, 26.









Job	Truss	Truss Type	Qty	Ply	Green-R-Panel
19-100688T	F1	Common	11	1	R61536053
13-1000001		Common	''		Job Reference (optional)

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Structural wood sheathing directly applied or 4-8-12 oc purlins,

2-10, 4-6

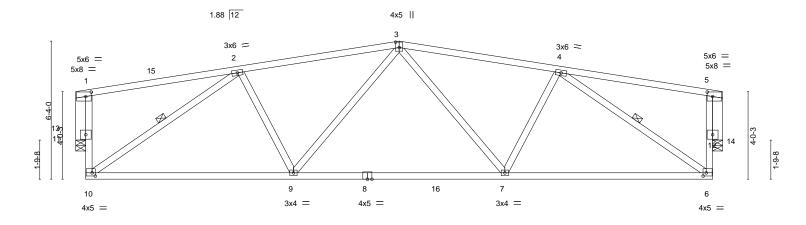
Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

1 Row at midpt

ID:xTJc36g7ACQ6QAB3JYPrlnyXjbm-6p1AORdLBU3OL23I71G5?UDIAWiIVjEAT3LmOpzbz09 7-6-12 7-3-4 7-3-4

Scale = 1:52.8



	9-11-13	1	19-8-3	1	29-8-0
	9-11-13	ı	9-8-5	l .	9-11-13
Plate Offsets (X,Y)	[1:0-3-0,0-2-8], [3:0-3-0,0-2-0], [5:0-3-0,0	)-2-8], [6:0-1-12,0-1-12],	[10:0-1-12,0-1-12]		
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	I/defl L/d	PLATES GRIP
TCLL 25.0	Plate Grip DOL 1.15	TC 0.46	Vert(LL) -0.26 7-9	>999 360	MT20 220/195
TCDL 7.0	Lumber DOL 1.15	BC 0.55	Vert(CT) -0.38 7-9	9 >915 240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.40	Horz(CT) 0.11 14	l n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.03 7-9	>999 240	Weight: 154 lb FT = 10%
			` ′		

BRACING-

TOP CHORD

**BOT CHORD** 

WEBS

LUMBER-

2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E TOP CHORD

**BOT CHORD** 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E WEBS

2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E \*Except\*

3-7,4-7,3-9,2-9: 2x4 DF Stud/Std

**OTHERS** 2x6 DF 1800F 1.6E or 2x6 DF SS

REACTIONS. (size) 13=0-5-8, 14=0-5-8

Max Horz 13=21(LC 9)

Max Grav 13=1195(LC 1), 14=1195(LC 1)

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

2-3=-1574/98, 3-4=-1574/90, 10-11=-7/982, 1-11=-7/982, 6-12=-4/982, 5-12=-4/982 TOP CHORD BOT CHORD 9-10=-83/1429 7-9=-76/1494 6-7=-88/1429

**WEBS** 4-7=0/329, 2-9=0/328, 2-10=-1545/95, 4-6=-1545/91, 1-13=-1222/76, 5-14=-1222/54

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-7-4 to 3-7-4, Interior(1) 3-7-4 to 29-0-12 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
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* 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, with BCDL = 10.0psf.
- 5) Bearing at joint(s) 13, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.







Job Reference (optional) 8.330 s Feb 13 2020 MiTek Industries, Inc. Wed Mar 11 15:43:35 2020 Page 1 ID:xTJc36g7ACQ6QAB3JYPrlnyXjbm-XOjJ1TgEUPRzCVotp9poc6rsLkrWiANc91aQ?8zbz06

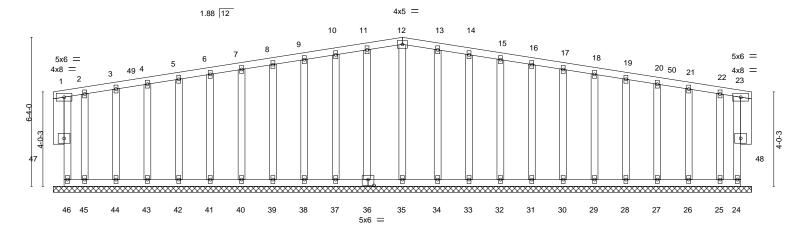
Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 6-0-0 oc bracing.

except end verticals

14-10-0 14-10-0

Scale = 1:49.0



29-8-0 Plate Offsets (X,Y)--[36:0-3-0,0-3-0] DEFL. GRIP LOADING (psf) SPACING-2-0-0 CSI. in (loc) I/defI L/d **PLATES TCLL** 25.0 Plate Grip DOL 1.15 TC 0.28 Vert(LL) 999 MT20 220/195 n/a n/a **TCDL** 7.0 Lumber DOL 1.15 ВС 0.06 Vert(CT) n/a n/a 999 **BCLL** 0.0 Rep Stress Incr YES WB 0.06 Horz(CT) 0.00 24 n/a n/a Code IRC2015/TPI2014 FT = 10% **BCDL** 10.0 Weight: 230 lb Matrix-R

**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

**BOT CHORD** 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E 2x4 DF Stud/Std

**WEBS OTHERS** 2x4 DF Stud/Std \*Except\*

1-47,23-48: 2x6 DF 1800F 1.6E or 2x6 DF SS

REACTIONS. All bearings 29-8-0.

Max Horz 46=-69(LC 8) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 46, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 45, 44, 43, 42,

41, 40, 39, 38, 37

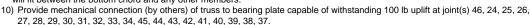
All reactions 250 lb or less at joint(s) 46, 24, 35, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 45, 44, Max Grav

43, 42, 41, 40, 39, 38, 37, 36

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

## NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner(3) 0-5-8 to 3-5-8, Exterior(2) 3-5-8 to 29-2-8 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
- 3) 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.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 1-4-0 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.





March 11.2020



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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, not

Design Valid to Use Only With New Connectors. This design is based only upon parameters shown, and is for an individual orbitaling Component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 
\*\*ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	Green-R-Panel
19-100688T	M1	Roof Special	20	1	R61536055
19-1000001	IVIT	1000 Special	20	'	Job Reference (optional)

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Structural wood sheathing directly applied or 2-6-11 oc purlins.

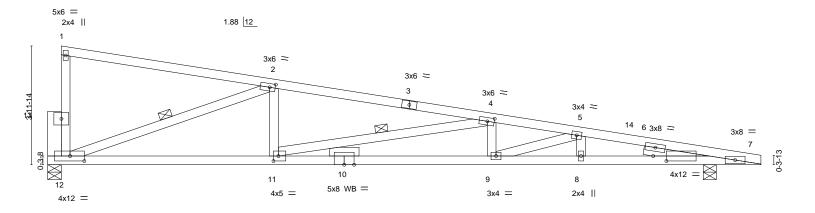
2-12, 4-11

Rigid ceiling directly applied or 7-10-4 oc bracing.

1 Row at midpt



Scale = 1:38.7



Q-5-8 <sub>1</sub>	7-7-4	14-1	0-15	1	17-10-15	22-2-14	22 <sub>1</sub> 5 <sub>1</sub> 8 23-11-8
	7-1-12	7-3	3-12		3-0-0	4-3-15	0-2-10 1-6-0
Plate Offsets (X,Y)	[2:0-2-4,0-1-8], [4:0-2-12,0-1-8], [7:0-5-12,0-1-8]	5,0-2-0], [11:0-2-0,0-2-0], [	12:0-5-12,0-2-0]				
LOADING (psf) TCLL 25.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.59 BC 0.76 WB 0.68 Matrix-S	DEFL.         ir           Vert(LL)         -0.38           Vert(CT)         -0.65           Horz(CT)         0.11           Wind(LL)         0.19	9-11 7	l/defl L/d >724 360 >428 240 n/a n/a >999 240	PLATES MT20 Weight: 106 lb	<b>GRIP</b> 220/195 FT = 10%

**BRACING-**

WEBS

TOP CHORD

**BOT CHORD** 

LUMBER-

2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E TOP CHORD BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

WEBS 2x4 DF Stud/Std

**OTHERS** 2x4 DF Stud/Std \*Except\*

12-13: 2x6 DF 1800F 1.6E or 2x6 DF SS

SLIDER Right 2x4 DF Stud/Std -H 2-2-8

REACTIONS. (size) 12=0-5-8, 7=0-5-4

Max Horz 12=-77(LC 9)

Max Uplift 12=-12(LC 9), 7=-1(LC 9) Max Grav 12=969(LC 1), 7=978(LC 1)

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

TOP CHORD 2-4=-2116/312, 4-5=-3869/633, 5-7=-4345/765

**BOT CHORD** 11-12=-224/2060, 9-11=-571/3821, 8-9=-725/4260, 7-8=-725/4260 **WEBS** 2-12=-2182/380, 2-11=0/565, 4-11=-1795/353, 4-9=0/304, 5-9=-461/162

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 7.





MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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Job	Truss	Truss Type	Qty	Ply	Green-R-Panel
40 40000 <del>T</del>					R61536056
19-100688T	M1G	Monopitch Supported Gable	2	1	
					Job Reference (optional)

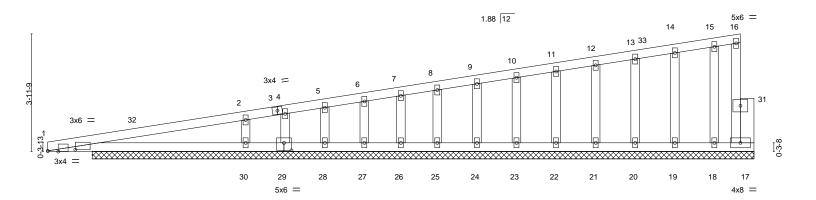
8.330 s Feb 13 2020 MiTek Industries, Inc. Wed Mar 11 15:43:38 2020 Page 1 ID:xTJc36g7ACQ6QAB3JYPrlnyXjbm-xzORfUi6nKqY3zWSUINVEITM2xqhvVP3r?o5cTzbz03

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

Rigid ceiling directly applied or 10-0-0 oc bracing.

23-4-0

Scale = 1:38.8



1-6-0			23-4-0					23-9-8
1-6-0			21-10-0					0-5-8
Plate Offsets (X,Y)	[1:0-11-2,0-0-8], [1:0-4-4,Edge], [29:0-3-	0,0-3-0]						
LOADING (psf) TCLL 25.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.38 BC 0.23 WB 0.10 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) n/a - n/a - 0.00 17	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 108 lb	<b>GRIP</b> 220/195  FT = 10%

**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

WEBS 2x4 DF Stud/Std **OTHERS** 2x4 DF Stud/Std \*Except\*

17-31: 2x6 DF 1800F 1.6E or 2x6 DF SS

REACTIONS. All bearings 22-3-8.

Max Horz 1=77(LC 8) (lb) -

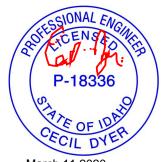
Max Uplift All uplift 100 lb or less at joint(s) 26, 19, 20, 21, 22, 23, 24, 25, 30, 27 except 29=-331(LC 1) Max Grav All reactions 250 lb or less at joint(s) 1, 26, 18, 19, 20, 21, 22, 23, 24, 25, 28, 27, 17 except

30=755(LC 1)

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

WEBS 2-30=-541/249

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner(3) 0-0-0 to 3-0-0, Exterior(2) 3-0-0 to 23-2-4 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) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable studs spaced at 1-4-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 19, 20, 21, 22, 23, 24, 25, 30, 27 except (jt=lb) 29=331.
- 8) Non Standard bearing condition. Review required.



March 11.2020



M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MTI-sky connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component
Safety Information, available from Truse Plate petitive 218 N. Lea Street, Stitle 312, Alexandria, VA. 23314. fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	Green-R-Panel
19-100688T	M2G	Roof Special Structural Gable			R61536057
19-1006661	IM2G	Rooi Special Structural Gable	2	'	Job Reference (optional)

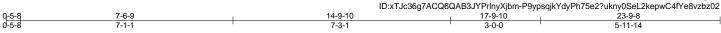
8.330 s Feb 13 2020 MiTek Industries, Inc. Wed Mar 11 15:43:39 2020 Page 1

Structural wood sheathing directly applied or 2-7-2 oc purlins.

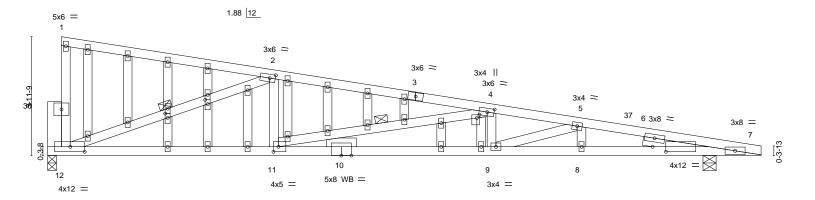
2-12, 4-11

Rigid ceiling directly applied or 7-10-9 oc bracing.

1 Row at midpt



Scale = 1:38.4



Q-5- <b>8</b>	7-6-9	14-9-10	17-9-10	22-0-14 22 <sub>7</sub> 3 <sub>7</sub> 8 23-9-8
0-5-8	7-1-1	7-3-1	3-0-0	4-3-4 0-2-10 1-6-0
Plate Offsets (X,Y)	[2:0-2-4,0-1-8], [4:0-2-12,0-1-8], [4:0-1	-4,0-1-0], [7:0-5-5,0-2-0], [11:0-2-0,0-2-0], [12:0-5-12,0	)-2-0], [22:0-1-11,0-1-0],	[25:0-1-11,0-1-0]
LOADING (psf)	SPACING- 2-0-0	CSI. DEFL. in	(loc) I/defl L/d	PLATES GRIP
TCLL 25.0	Plate Grip DOL 1.15	TC 0.58 Vert(LL) -0.38	9 >730 360	MT20 220/195
TCDL 7.0	Lumber DOL 1.15	BC 0.75 Vert(CT) -0.64	9-11 >433 240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.66 Horz(CT) 0.11	7 n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S Wind(LL) 0.18	9 >999 240	Weight: 131 lb FT = 10%

**BRACING-**

TOP CHORD

**BOT CHORD** 

WEBS

LUMBER-

2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E TOP CHORD BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

WEBS 2x4 DF Stud/Std

**OTHERS** 2x4 DF Stud/Std \*Except\*

12-36: 2x6 DF 1800F 1.6E or 2x6 DF SS

10-10: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F

SLIDER Right 2x4 DF Stud/Std -H 2-2-8

REACTIONS. (size) 12=0-3-8, 7=0-5-4

Max Horz 12=-77(LC 9)

Max Uplift 12=-12(LC 9), 7=-1(LC 9) Max Grav 12=962(LC 1), 7=971(LC 1)

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

TOP CHORD 2-4=-2099/309, 4-5=-3838/629, 5-7=-4308/761

11-12=-222/2043, 9-11=-567/3790, 8-9=-721/4224, 7-8=-721/4224 **BOT CHORD** 2-12=-2165/378, 2-11=0/561, 4-11=-1781/351, 4-9=0/302, 5-9=-455/161 WEBS

## NOTES-

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7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 7.





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