



Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.

RE: 4179733 - THOMAS

MiTek, Inc.

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: DANIEL THOMAS Project Name: Thomas Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
City: Columbia Cty State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 12 individual, Truss Design Drawings and 0 Additional Drawings.

With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T35268773	CJ01	10/16/24
2	T35268774	CJ03	10/16/24
3	T35268775	CJ05	10/16/24
4	T35268776	EJ01	10/16/24
5	T35268777	HJ10	10/16/24
6	T35268778	T01	10/16/24
7	T35268779	T02	10/16/24
8	T35268780	T03	10/16/24
9	T35268781	T04	10/16/24
10	T35268782	T05	10/16/24
11	T35268783	T06	10/16/24
12	T35268784	T07	10/16/24



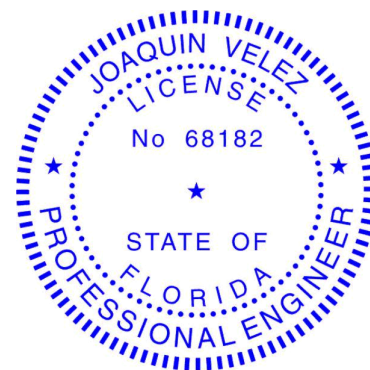
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The truss drawing(s) referenced above have been prepared by
MiTek USA, Inc. under my direct supervision based on the parameters
provided by Builders FirstSource-Lake City, FL.

Truss Design Engineer's Name: Velez, Joaquin

My license renewal date for the state of Florida is February 28, 2025.



IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 16,2024

Velez, Joaquin

1 of 1

Job	Truss	Truss Type	Qty	Ply	THOMAS
4179733	CJ01	Jack-Open	8	1	T35268773

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Oct 15 14:32:35 2024 Page 1
ID:YK1maSoOeDrs4R5nl3l5cdzpvb6-aj3FTmckh4QwW4zZvD1ohTg1_8DniwxB6zIC9fyT8Kg

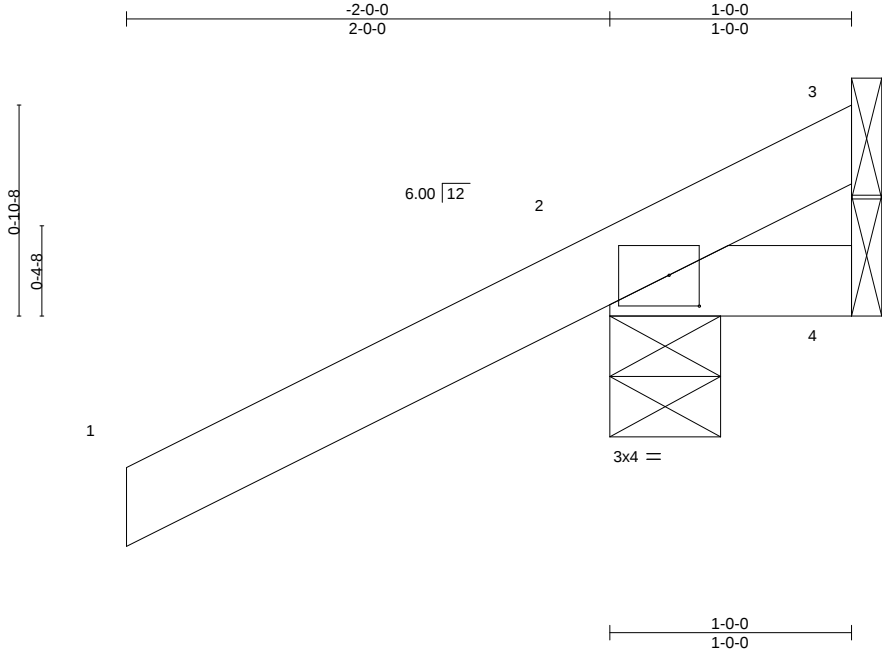


Plate Offsets (X,Y)--		[2:0-1-8,0-1-9]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.31
TCDL 7.0	Lumber DOL	1.25	BC 0.07
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MP
DEFL.	in (loc)	I/defl	L/d
Vert(LL)	0.00 7	>999	240
Vert(CT)	0.00 7	>999	180
Horz(CT)	0.00 2	n/a	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 7 lb	FT = 20%		

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=52(LC 12)
Max Uplift 3=-27(LC 1), 2=-120(LC 12), 4=-46(LC 1)
Max Grav 3=19(LC 16), 2=254(LC 1), 4=33(LC 16)

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

- NOTES-
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 3, 120 lb uplift at joint 2 and 46 lb uplift at joint 4.

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Date:

October 16,2024

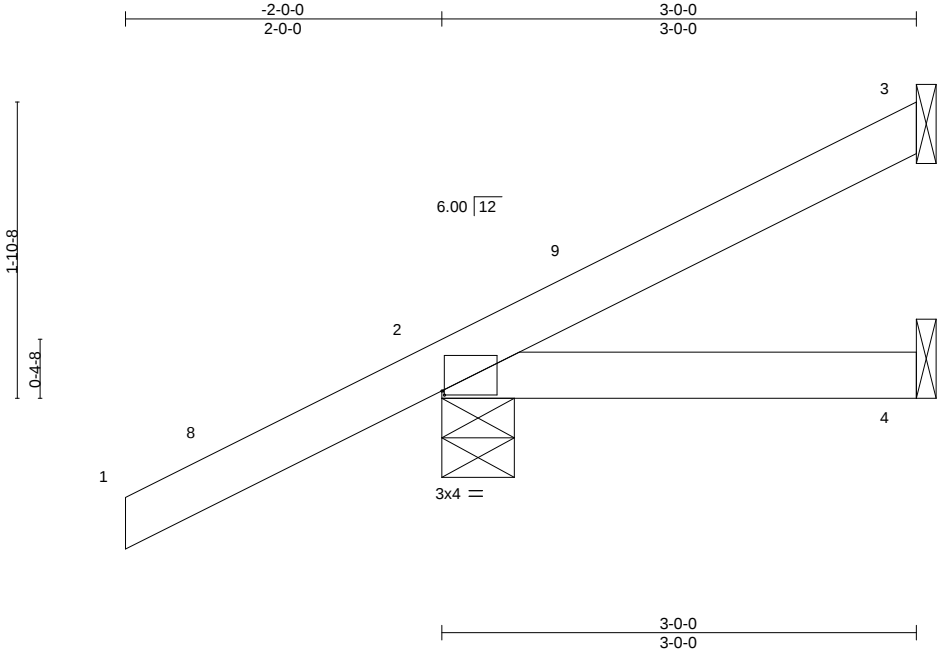
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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 property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	THOMAS	T35268774
4179733	CJ03	Jack-Open	8	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Oct 15 14:32:35 2024 Page 1
ID:YK1maSoOeDrs4R5nI3l5cdzpvb6-aj3FTmckh4QwW4zZvD1ohTg1_8DkiwxB6zIC9fyT8Kg



Scale = 1:14.6

Plate Offsets (X,Y)--		[2:0-0-3,0-0-5]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.31	Vert(LL) -0.00 4-7 >999 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.08	Vert(CT) -0.01 4-7 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 2 n/a n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MP		Weight: 13 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=90(LC 12)
Max Uplift 3=-36(LC 12), 2=-91(LC 12)
Max Grav 3=52(LC 1), 2=253(LC 1), 4=48(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 2-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 3 and 91 lb uplift at joint 2.

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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 16,2024

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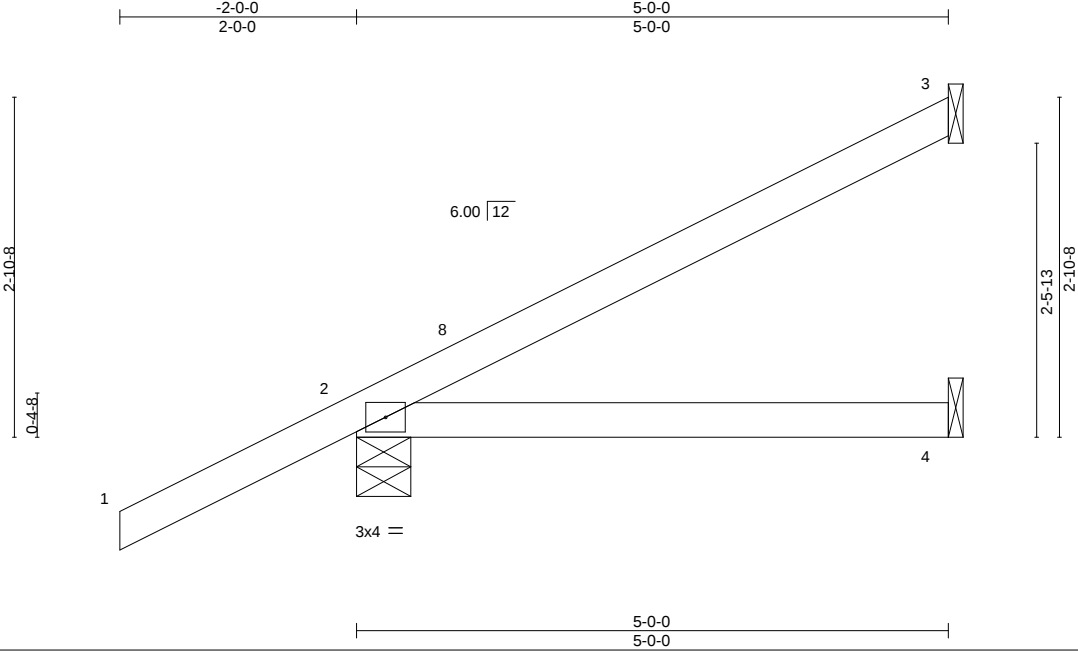
Job	Truss	Truss Type	Qty	Ply	THOMAS
4179733	CJ05	Jack-Open	8	1	T35268775

Builders FirstSource (Lake City,FL),

Lake City, FL - 32055,

8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Oct 15 14:32:36 2024 Page 1

ID:YK1maSoOeDrs4R5nl3l5cdzpvb6-2wddh6dMSOYn8EYlTwY1EhCCkYXZRNBKdVlh6yT8Kf



Scale = 1:19.5

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.31	Vert(LL)	0.03	4-7	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.23	Vert(CT)	-0.05	4-7	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP					Weight: 19 lb	FT = 20%
	Code FBC2023/TPI2014							

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=128(LC 12)
Max Uplift 3=-74(LC 12), 2=-97(LC 12)
Max Grav 3=108(LC 1), 2=313(LC 1), 4=87(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 4-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 3 and 97 lb uplift at joint 2.

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Job	Truss	Truss Type	Qty	Ply	THOMAS
4179733	EJ01	Jack-Partial	26	1	T35268776

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Oct 15 14:32:36 2024 Page 1
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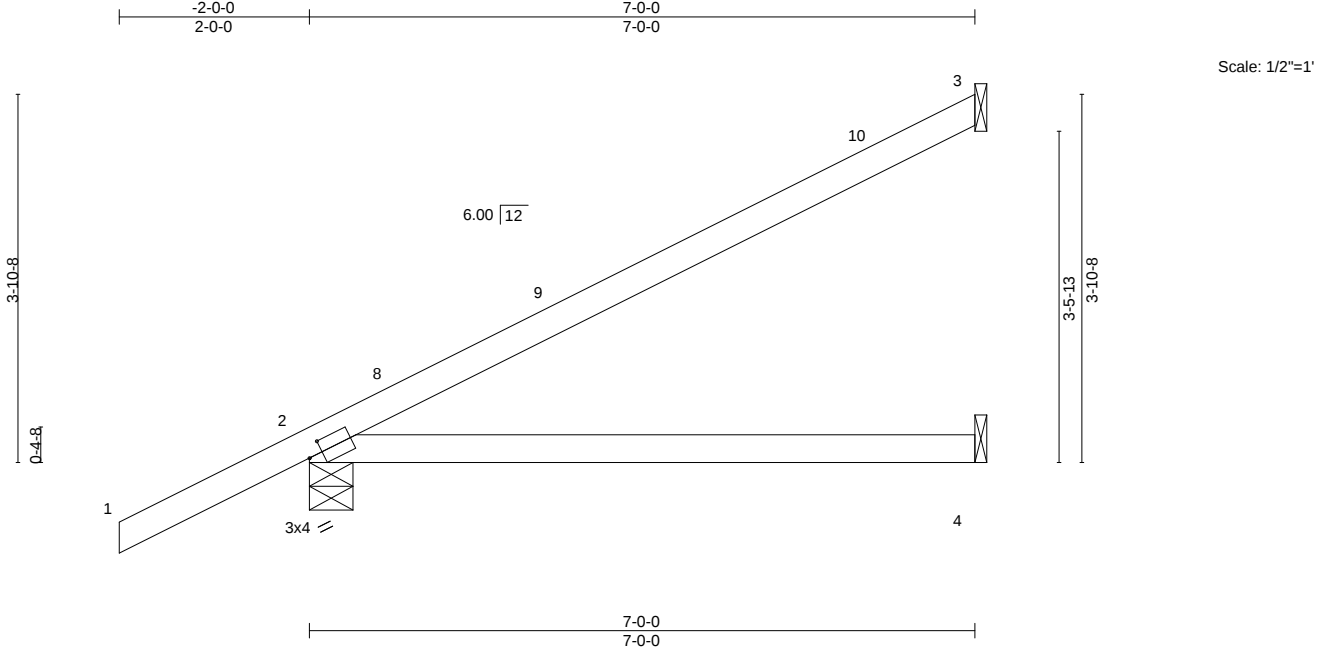


Plate Offsets (X,Y)--		[2:0-1-13,0-1-8]								
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP	
	Plate Grip DOL	1.25	TC 0.60	Vert(LL)	0.10	4-7	>839	240	MT20	244/190
	Lumber DOL	1.25	BC 0.51	Vert(CT)	-0.21	4-7	>393	180		
	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	2	n/a	n/a		
	Code	FBC2023/TPI2014	Matrix-MS						Weight: 26 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=161(LC 12)
Max Uplift 3=97(LC 12), 2=110(LC 12)
Max Grav 3=160(LC 1), 2=380(LC 1), 4=125(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 6-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 3 and 110 lb uplift at joint 2.

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Date:

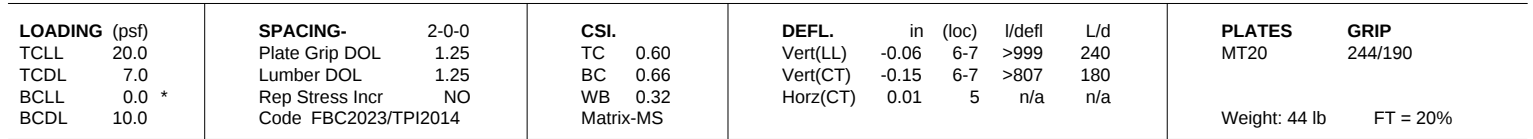
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 ID:YK1maSoeDrs4R5nI3I5cdzpvb6-W6B0uSd?Dhgemo07y1e3Gmullyym1AmSUZHEJYyT8Ke
 -2-9-15 4-6-0 9-10-1
 2-9-15 4-6-0 5-4-1



REACTIONS. (size) 4=Mechanical, 2=0-7-6, 5=Mechanical
 Max Horz 2=180(LC 4)
 Max Uplift 4=-92(LC 4), 2=-194(LC 4), 5=-53(LC 8)
 Max Grav 4=152(LC 1), 2=463(LC 1), 5=264(LC 3)

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

TOP CHORD	2-3=-696/174
BOT CHORD	2-7=-216/597, 6-7=-216/597
WEBS	3-7=0/258, 3-6=-633/229

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 4, 194 lb uplift at joint 2 and 53 lb uplift at joint 5.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 65 lb down and 103 lb up at 1-6-1, 65 lb down and 103 lb up at 1-6-1, 69 lb down and 41 lb up at 4-4-0, 69 lb down and 41 lb up at 4-4-0, and 44 lb down and 84 lb up at 7-1-15, and 44 lb down and 84 lb up at 7-1-15 on top chord, and 25 lb down and 74 lb up at 1-6-1, 25 lb down and 74 lb up at 1-6-1, 25 lb down and 2 lb up at 4-4-0, 25 lb down and 2 lb up at 4-4-0, and 42 lb down at 7-1-15, and 42 lb down at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Virt: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Virt: 7=5(F=2, B=2) 11=50(F=25, B=25) 12=-64(F=-32, B=-32) 14=70(F=35, B=35) 15=-49(F=-24, B=-24)

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Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017

October 16, 2024

Job	Truss	Truss Type	Qty	Ply	THOMAS
4179733	T01	Hip Girder	2	2	T35268778

Builders FirstSource (Lake City,FL),		Lake City, FL - 32055,		8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Oct 15 14:32:39 2024 Page 1	
				ID:YK1maSoOeDrs4R5nl3I5cdzpvb6-TUJmJ8fFIJwM?iGK836ksJqd0lRxeeYn1bjPIQyT8Kc	
-2-0-0	3-11-15	7-0-0	11-0-14	16-9-5	21-2-11
2-0-0	3-11-15	3-0-1	4-0-14	5-8-7	4-5-6

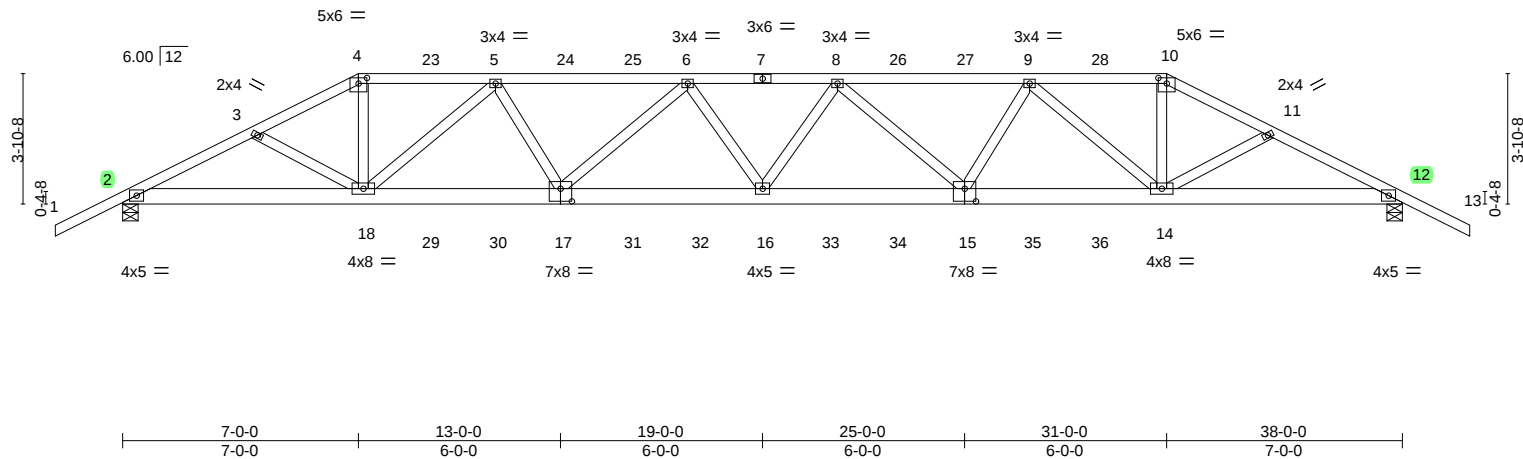


Plate Offsets (X,Y)--		[4:0-3-0,0-2-0], [10:0-3-0,0-2-0], [15:0-4-0,0-4-8], [17:0-4-0,0-4-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC 0.62		Vert(LL) -0.31 16 >999 240				MT20 244/190	
TCDL	7.0	Lumber DOL 1.25		BC 0.76		Vert(CT) -0.58 16 >780 180					
BCLL	0.0 *	Rep Stress Incr NO		WB 0.41		Horz(CT) 0.13 12 n/a n/a					
BCDL	10.0	Code FBC2023/TP12014		Matrix-MS						Weight: 452 lb FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-11-2 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 2=0-5-8, 12=0-5-8
Max Horz 2=75(LC 8)
Max Uplift 2=877(LC 8), 12=904(LC 9)
Max Grav 2=2836(LC 1), 12=2883(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5699/1732, 3-4=-5535/1677, 4-5=-5014/1549, 5-6=-7340/2236, 6-8=-8206/2517, 8-9=-7387/2268, 9-10=-5107/1601, 10-11=-5641/1737, 11-12=-5804/1791
BOT CHORD 2-18=-1538/5054, 17-18=-2061/6784, 16-17=-2477/8101, 15-16=-2481/8119, 14-15=-2076/6847, 12-14=-1516/5148
WEBS 4-18=-569/2149, 5-18=-2405/848, 5-17=-249/1172, 6-17=-1067/440, 6-16=-14/303, 8-16=0/288, 8-15=-1019/405, 9-15=-223/1135, 9-14=-2357/813, 10-14=-545/2121

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 877 lb uplift at joint 2 and 904 lb uplift at joint 12.

This item has been digitally signed and sealed by Velez, Joaquin, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 16,2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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Job	Truss	Truss Type	Qty	Ply	THOMAS
4179733	T01	Hip Girder	2	2	T35268778

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Oct 15 14:32:39 2024 Page 2
ID:YK1maSoOeDrs4R5nl3l5cdzpvb6-TUJmJ8fIJwM?iGK836ksJqd0lRxeeYn1bjPIQyT8Kc

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 125 lb down and 101 lb up at 7-0-0, 106 lb down and 101 lb up at 9-0-12, 106 lb down and 101 lb up at 11-0-12, 106 lb down and 101 lb up at 13-0-12, 106 lb down and 101 lb up at 15-0-12, 106 lb down and 101 lb up at 17-0-12, 106 lb down and 92 lb up at 19-0-0, 106 lb down and 101 lb up at 20-11-4, 106 lb down and 101 lb up at 22-11-4, 106 lb down and 101 lb up at 24-11-4, 106 lb down and 101 lb up at 26-11-4, and 106 lb down and 101 lb up at 28-11-4, and 229 lb down and 197 lb up at 31-0-0 on top chord, and 293 lb down and 81 lb up at 7-0-0, 85 lb down at 9-0-12, 85 lb down at 11-0-12, 85 lb down at 13-0-12, 85 lb down at 15-0-12, 85 lb down at 17-0-12, 85 lb down at 19-0-0, 85 lb down at 20-11-4, 85 lb down at 22-11-4, 85 lb down at 24-11-4, 85 lb down at 26-11-4, and 85 lb down at 28-11-4, and 293 lb down and 81 lb up at 30-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-54, 4-10=-54, 10-13=-54, 2-12=-20

Concentrated Loads (lb)

Vert: 4=-106(B) 7=-106(B) 10=-182(B) 17=-61(B) 18=-282(B) 5=-106(B) 6=-106(B) 16=-61(B) 8=-106(B) 15=-61(B) 9=-106(B) 14=-282(B) 23=-106(B) 24=-106(B) 25=-106(B) 26=-106(B) 27=-106(B) 28=-106(B) 29=-61(B) 30=-61(B) 31=-61(B) 32=-61(B) 33=-61(B) 34=-61(B) 35=-61(B) 36=-61(B)

 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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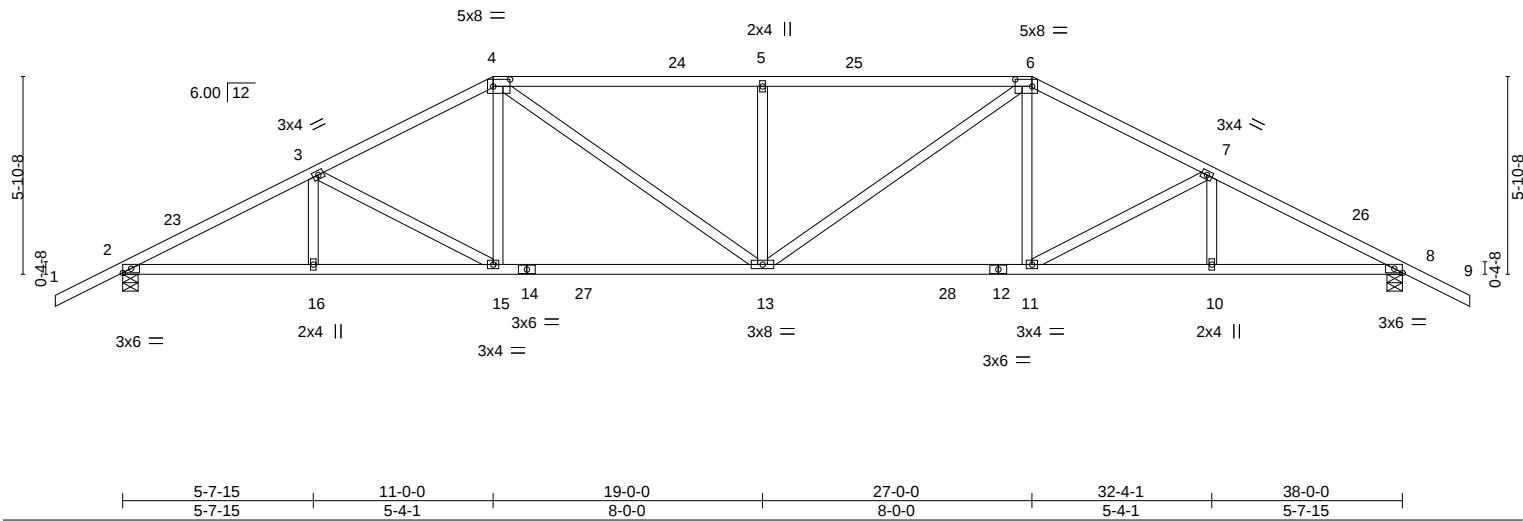
Job	Truss	Truss Type	Qty	Ply	THOMAS	T35268780
4179733	T03	Hip	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Oct 15 14:32:41 2024 Page 1

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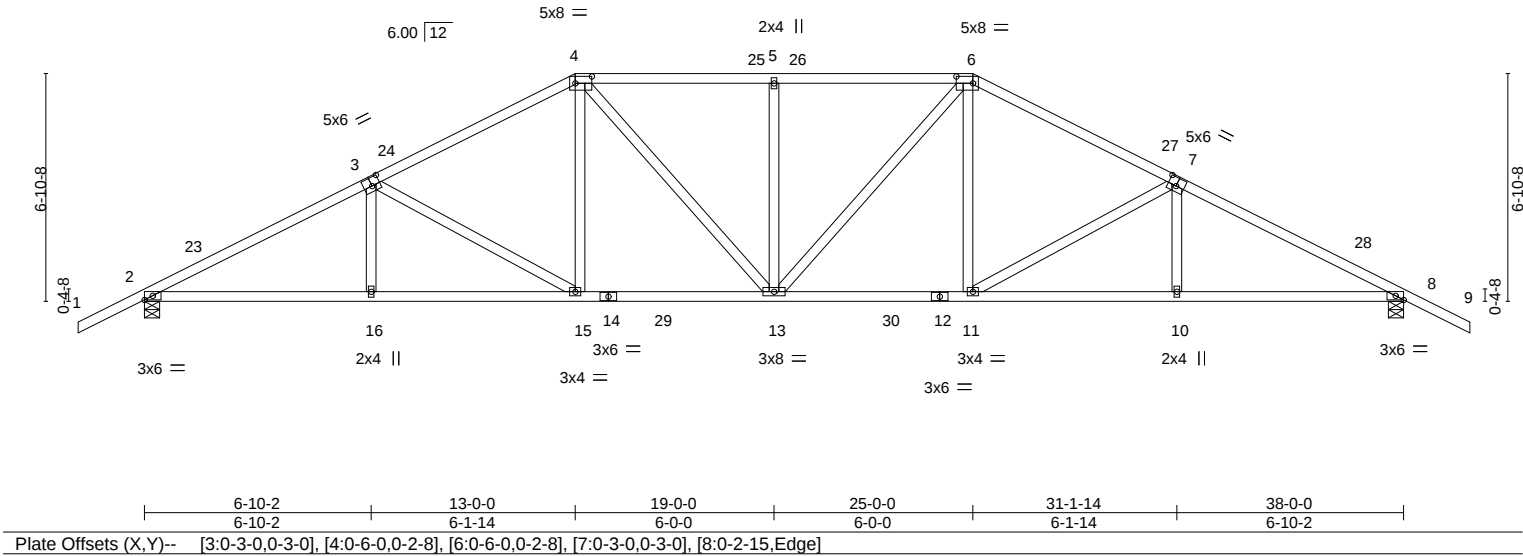
-2-0-0	5-7-15	11-0-0	19-0-0	27-0-0	32-4-1	38-0-0	40-0-0
2-0-0	5-7-15	5-4-1	8-0-0	8-0-0	5-4-1	5-7-15	2-0-0

Scale = 1:68.4



Job	Truss	Truss Type	Qty	Ply	THOMAS	T35268781
4179733	T04	Hip	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Oct 15 14:32:41 2024 Page 1
ID:YK1maSoOeDrs4R5nl3l5cdzpvb6-PtRWkqgVGwA4E?QjGT8Cckw?xZ5F6UO4UvCWNJyT8Ka
-2-0-0 6-10-2 13-0-0 19-0-0 25-0-0 31-1-14 38-0-0 40-0-0
2-0-0 6-10-2 6-1-14 6-0-0 6-0-0 6-1-14 6-10-2 2-0-0
Scale = 1:69.5



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.21 11-13 >999 240	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.36 11-13 >999 180				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.14 8 n/a n/a				
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS						Weight: 208 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-1-5 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 7-5-11 oc bracing.
WEBS	2x4 SP No.3		

REACTIONS. (size) 2=0-5-8, 8=0-5-8
Max Horz 2=125(LC 12)
Max Uplift 2=-422(LC 12), 8=-422(LC 13)
Max Grav 2=1625(LC 2), 8=1625(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2895/673, 3-4=-2338/562, 4-5=-2271/537, 5-6=-2271/537, 6-7=-2338/562, 7-8=-2895/673
BOT CHORD 2-16=-617/2539, 15-16=-616/2541, 13-15=-389/2041, 11-13=-269/2041, 10-11=-491/2541, 8-10=-492/2539
WEBS 3-16=0/266, 3-15=-593/262, 4-15=-89/528, 4-13=-164/445, 5-13=-367/208, 6-13=-164/445, 6-11=-89/528, 7-11=-593/262, 7-10=0/266

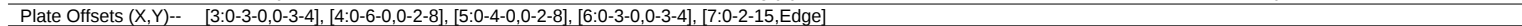
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -2-0-0 to 1-9-10, Zone1 1-9-10 to 13-0-0, Zone2 13-0-0 to 18-4-8, Zone1 18-4-8 to 25-0-0, Zone2 25-0-0 to 30-4-8, Zone1 30-4-8 to 40-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 422 lb uplift at joint 2 and 422 lb uplift at joint 8.

This item has been digitally signed and sealed by Velez, Joaquin, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 16,2024

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Oct 15 14:32:42 2024 Page 1
 ID:YK1maSoeDrs4R5n3l5cdzpvb6-t3_vxAh71Elxs9?vpBfRtYS4JzQzR1hDJzy4vlyT8KZ
 -2-0-0 7-10-12 15-0-0 23-0-0 30-1-4 38-0-0 40-0-0
 2-0-0 7-10-12 7-1-4 8-0-0 7-1-4 7-10-12 2-0-0
 Scale = 1:69.5



LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except*	TOP CHORD	Structural wood sheathing directly applied.
	4-5: 2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 7-5-2 oc bracing.
BOT CHORD	2x4 SP No.2	WEBS	1 Row at midpt 3-12, 4-11, 6-11
WEBS	2x4 SP No.3		

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

TOP CHORD	2-3=-2831/653, 3-4=-2180/519, 4-5=-1880/514, 5-6=-2166/519, 6-7=-2818/653
BOT CHORD	2-14=-604/2474, 12-14=-604/2473, 11-12=-335/189, 9-11=-462/2462, 7-9=-462/2463
WEBS	3-14/0/309, 3-12=-690/310, 4-12=-103/643, 5-11=-893/620, 6-11=-691/311, 6-9/0/309

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -2-0-0 to 1-9-10, Zone1 1-9-10 to 15-0-0, Zone2 15-0-0 to 20-4-8, Zone1 20-4-8 to 23-0-0, Zone2 23-0-0 to 28-4-8, Zone1 28-4-8 to 40-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 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, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 419 lb uplift at joint 2 and 419 lb uplift at joint 7.

This item has been digitally signed and sealed by Velez, Joaquin, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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Chesterfield, MO 63017
Date:

October 16, 2024

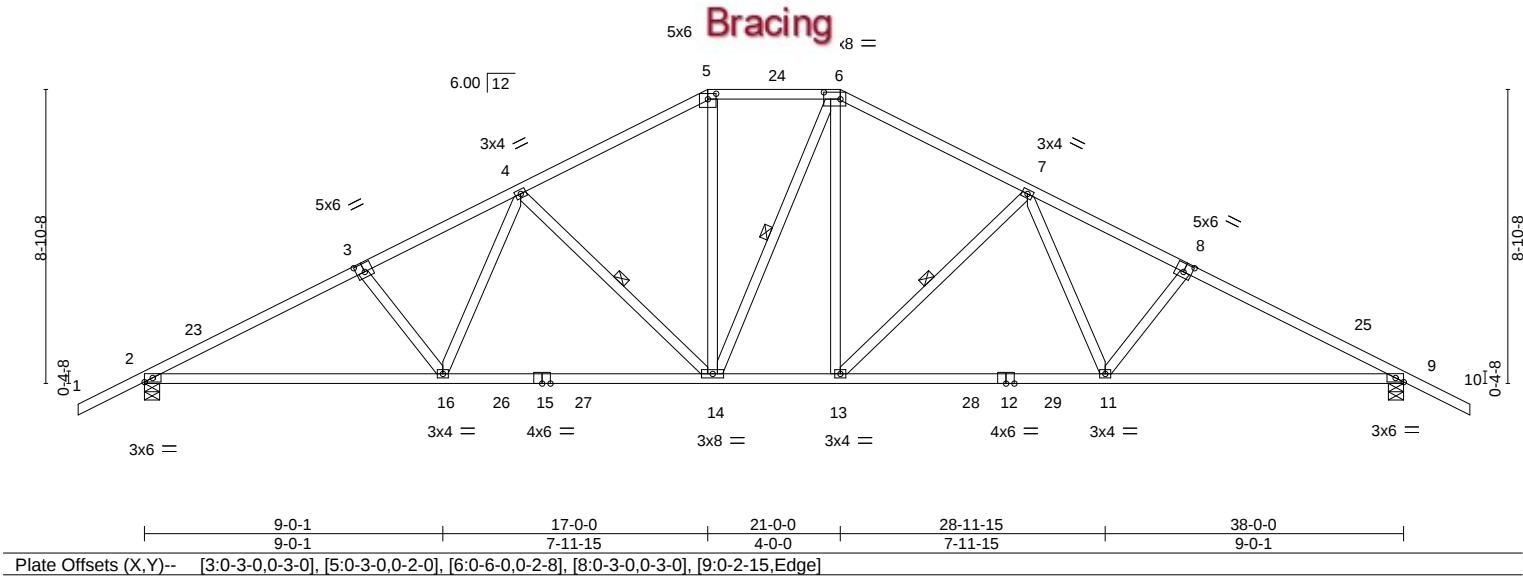


Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Components Association (www.sbcsccomponents.com)

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Job	Truss	Truss Type	Qty	Ply	THOMAS	T35268783
4179733	T06	Hip	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Oct 15 14:32:43 2024 Page 1
ID:YK1maSoOeDrs4R5nl3l5cdzpvb6-LGYH9VimoXQoUJa6NuAg09?K6NoBaU4MxDhdRCyT8KY
-2-0-0 6-7-3 11-4-4 17-0-0 21-0-0 26-7-12 31-4-13 38-0-0 40-0-0 2-0-0
2-0-0 6-7-3 4-9-1 5-7-12 4-0-0 5-7-12 4-9-1 6-7-3 2-0-0
Scale = 1:69.5



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.55	Vert(LL)	-0.27 11-13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.74	Vert(CT)	-0.46 11-13	>993	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.25	Horz(CT)	0.12 9	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS					Weight: 217 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-10-6 oc purlins.
BOT CHORD 2x4 SP No.1 *Except*	BOT CHORD Rigid ceiling directly applied or 7-10-5 oc bracing.
12-15: 2x4 SP No.2	WEBS 1 Row at midpt 4-14, 6-14, 7-13
WEBS 2x4 SP No.3	

REACTIONS. (size) 2=0-5-8, 9=0-5-8
Max Horz 2=159(LC 12)
Max Uplift 2=-415(LC 12), 9=-415(LC 13)
Max Grav 2=1626(LC 2), 9=1626(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2851/657, 3-4=-2693/644, 4-5=-1959/485, 5-6=-1709/476, 6-7=-1958/485, 7-8=-2694/644, 8-9=-2851/658
BOT CHORD 2-16=-634/2502, 14-16=-477/2145, 13-14=-232/1707, 11-13=-318/2145, 9-11=-476/2502
WEBS 3-16=-276/194, 4-16=-117/587, 4-14=-631/289, 5-14=-139/648, 6-13=-168/647, 7-13=-633/289, 7-11=-117/589, 8-11=-275/194

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -2-0-0 to 1-9-10, Zone1 1-9-10 to 17-0-0, Zone3 17-0-0 to 21-0-0, Zone2 21-0-0 to 26-7-12, Zone1 26-7-12 to 40-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 415 lb uplift at joint 2 and 415 lb uplift at joint 9.

This item has been digitally signed and sealed by Velez, Joaquin, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

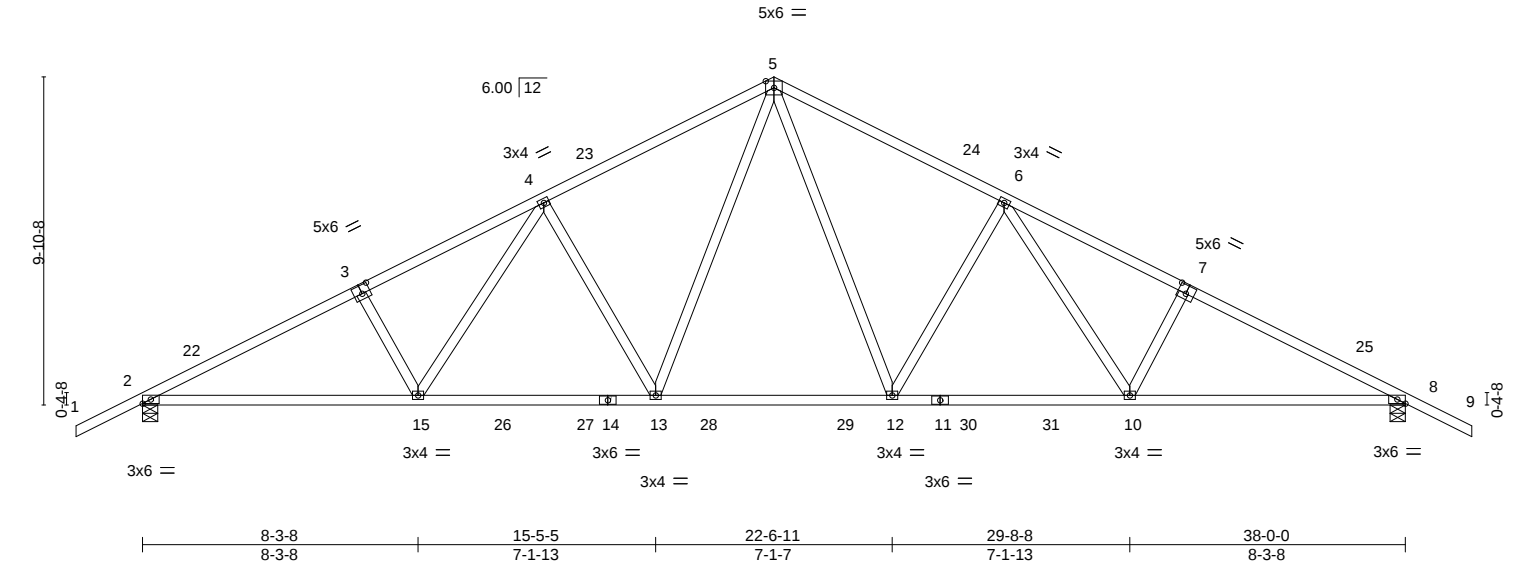
Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 16,2024

Job	Truss	Truss Type	Qty	Ply	THOMAS	T35268784
4179733	T07	Common	12	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL),	Lake City, FL - 32055,	8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Oct 15 14:32:44 2024 Page 1
-2-0-0	6-7-0	ID:YK1maSoOeDrs4R5nl3l5cdzpvb6-pS6fMrjOZrYf5T9lXchvYNYTJm5dJsaWAtRAzeyT8KX
2-0-0	6-7-0	25-11-2
	5-5-14	6-11-2
		31-4-0
		5-4-14
		38-0-0
		40-0-0
		2-0-0

Scale = 1:69.3



LOADING (psf)	SPACING-	CSL.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.65	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.92	Vert(LL) -0.25 12-13 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.55	Vert(CT) -0.42 12-13 >999 180		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS	Horz(CT) 0.13 8 n/a n/a		
				Weight: 207 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-10-2 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS.	(size) 2=0-5-8, 8=0-5-8
	Max Horz 2=175(LC 12)
	Max Uplift 2=-411(LC 12), 8=-411(LC 13)
	Max Grav 2=1657(LC 2), 8=1657(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2929/649, 3-4=-2805/666, 4-5=-2175/546, 5-6=-2175/546, 6-7=-2805/667, 7-8=-2929/650
BOT CHORD 2-15=-644/2571, 13-15=-471/2155, 12-13=-224/1586, 10-12=-314/2155, 8-10=-470/2571
WEBS 5-12=-258/856, 6-12=-580/325, 6-10=-157/588, 7-10=-275/197, 5-13=-258/856, 4-13=-580/325, 4-15=-157/588, 3-15=-275/197

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -2-0-0 to 1-9-10, Zone1 1-9-10 to 19-0-0, Zone2 19-0-0 to 24-4-8, Zone1 24-4-8 to 40-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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 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.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 2 and 411 lb uplift at joint 8.

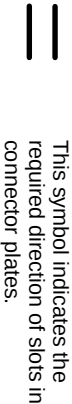
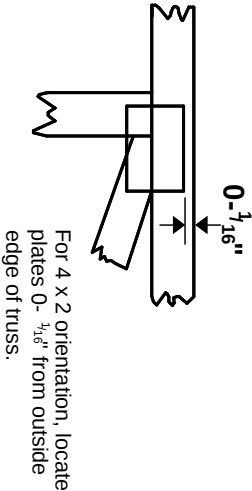
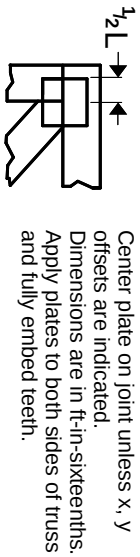
This item has been digitally signed and sealed by Velez, Joaquin, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 16,2024

Symbols

PLATE LOCATION AND ORIENTATION



* Plate location details available in MITek software or upon request.

PLATE SIZE

4 X 4

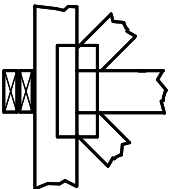
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

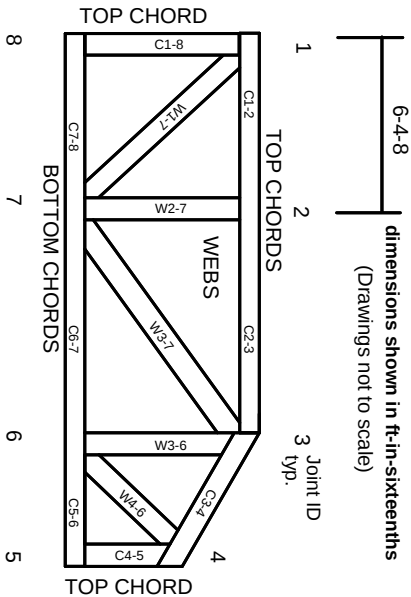
BEARING



Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:
ANSI/TP1.1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

Product Code Approvals

ICC-ES Reports:
ESR-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.
Lumber design values are in accordance with ANSI/TP1 1 section 6.3. These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: MIL-7473 rev. 1/12/2023

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.