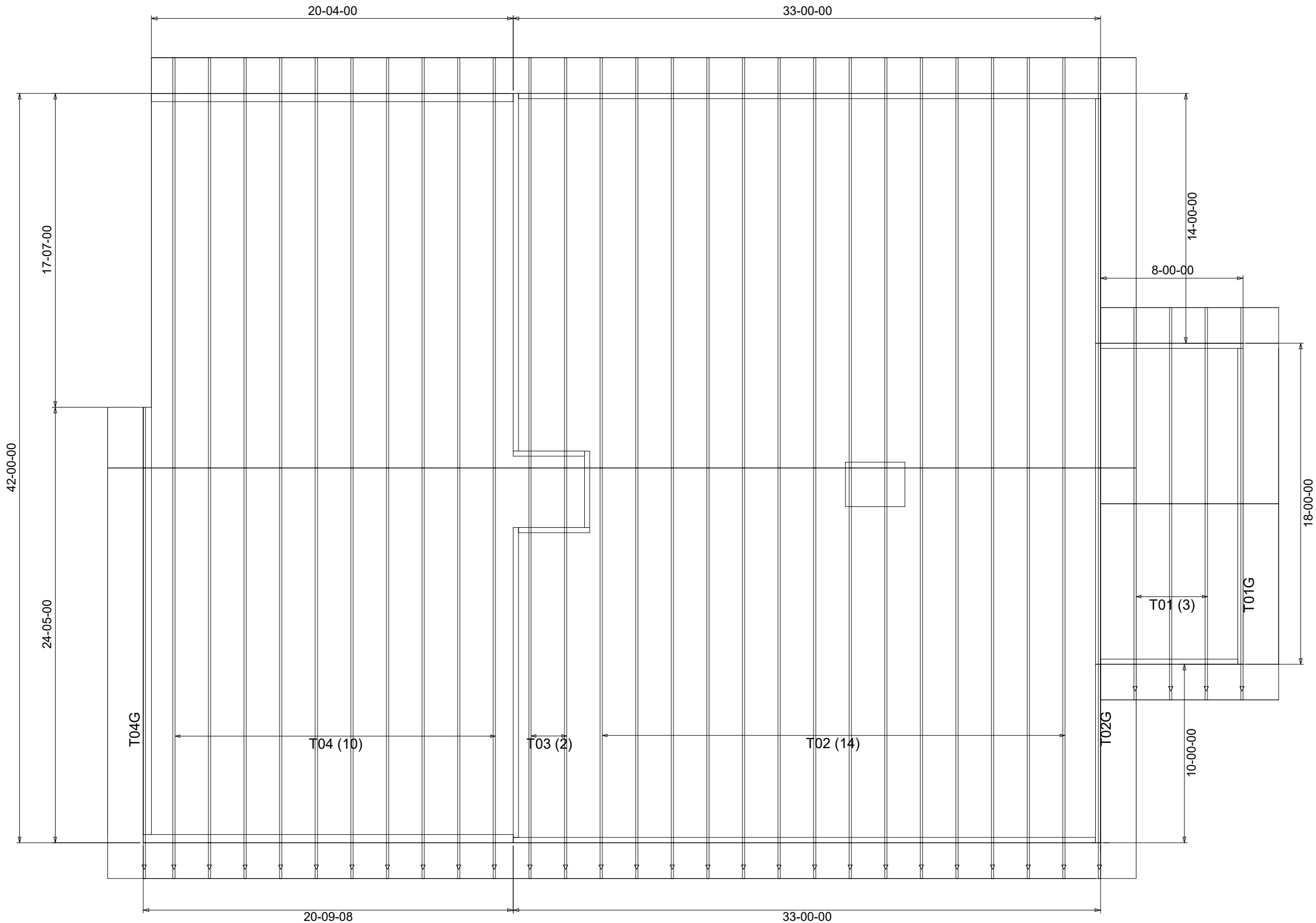


4/12 PITCH - 24" O/H



BEARING HEIGHT SCHEDULE



9' 1-1/8"

NOTES:

- 1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
- 4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
- 6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.



Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973

Tampa
PHONE: 813-621-9831 FAX: 813-628-8956

Lake City
PHONE: 386-755-6894 FAX: 386-755-7973

BUILDER: **RJH CONST.**

LEGAL ADDRESS: **CAMPBELL RES.**

MODEL: Revision:

DATE: 1-9-21 DRAWN BY: KLH Original Reference #: 2603679

1st Level Job #: 2nd Level Job #: 3rd Level Job #: 2603679

FL Approval Codes - Mitek Plates #'s 2197.2 - 2197.4, Versa-Lam #1644-R4 & BCI Joists #1392-R4



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

RE: 2603679 - RJH CONST. - CAMPBELL RES.

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: RJH Const. Project Name: Campbell Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 115 SW Challenger Lane, N/A
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: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: N/A Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 7 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.

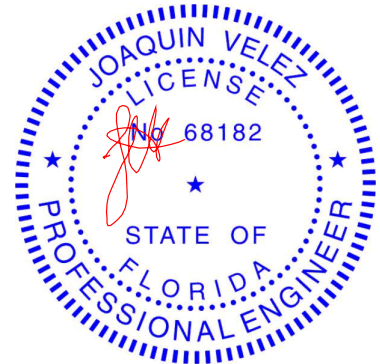
No.	Seal#	Truss Name	Date
1	T22420949	T01	1/12/21
2	T22420950	T01G	1/12/21
3	T22420951	T02	1/12/21
4	T22420952	T02G	1/12/21
5	T22420953	T03	1/12/21
6	T22420954	T04	1/12/21
7	T22420955	T04G	1/12/21



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-Jacksonville.

Truss Design Engineer's Name: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2023.

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 USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: _____

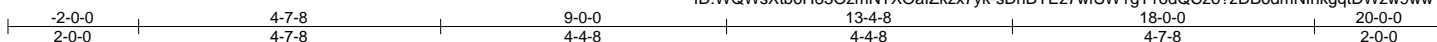
January 12, 2021

Job	Truss	Truss Type	Qty	Ply	RJH CONST. - CAMPBELL RES.	T22420949
2603679	T01	Common	3	1		
Job Reference (optional)						

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 12 07:40:19 2021 Page 1

ID:WQWsXtb6H83OzmNTXOalZkx7yk-sDnBYEz7wFSW1gT1odQCzo?zDB6dmNlmggtDWzw9ww



Scale = 1:35.3

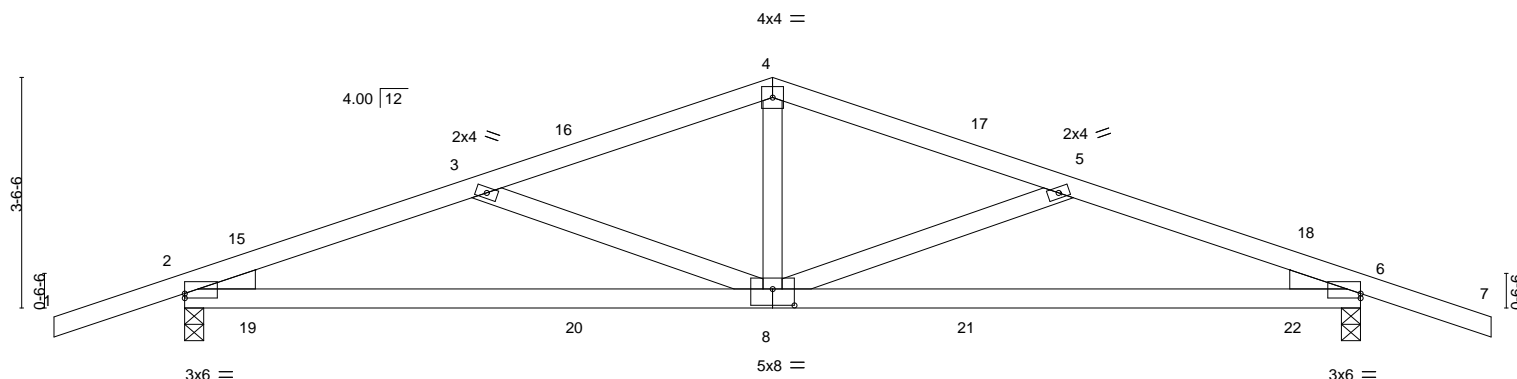


Plate Offsets (X,Y)--	[2:0-0,0-0-13], [6:0-0,0-0-13], [8:0-4-0,0-3-0]
-----------------------	---

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.36	Vert(LL)	0.22	8-11	>984	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.73	Vert(CT)	-0.21	8-14	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.17	Horz(CT)	0.04	6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 82 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-9-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 4-11-3 oc bracing.

REACTIONS.

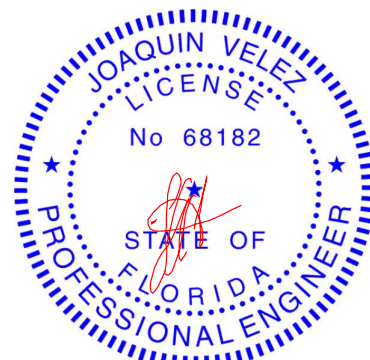
(size) 2=0-3-8, 6=0-3-8
 Max Horz 2=79(LC 12)
 Max Uplift 2=611(LC 8), 6=611(LC 9)
 Max Grav 2=774(LC 1), 6=774(LC 1)

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

TOP CHORD 2-3=-1341/1323, 3-4=-1032/1095, 4-5=-1032/1095, 5-6=-1341/1323
 BOT CHORD 2-8=-1174/1228, 6-8=-1187/1228
 WEBS 4-8=-463/444, 5-8=-336/325, 3-8=-336/325

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 9-0-0, Exterior(2R) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 20-0-0 zone; porch left and right exposed; 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.
- 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 611 lb uplift at joint 2 and 611 lb uplift at joint 6.



Joaquin Velez PE No.68182
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

January 12,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



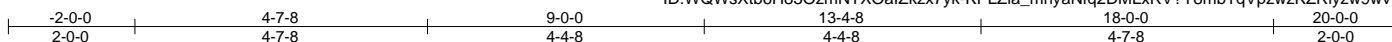
6904 Parke East Blvd.
 Tampa, FL 33610

Job 2603679	Truss T01G	Truss Type GABLE	Qty 1	Ply 1	RJH CONST. - CAMPBELL RES. T22420950
Job Reference (optional)					

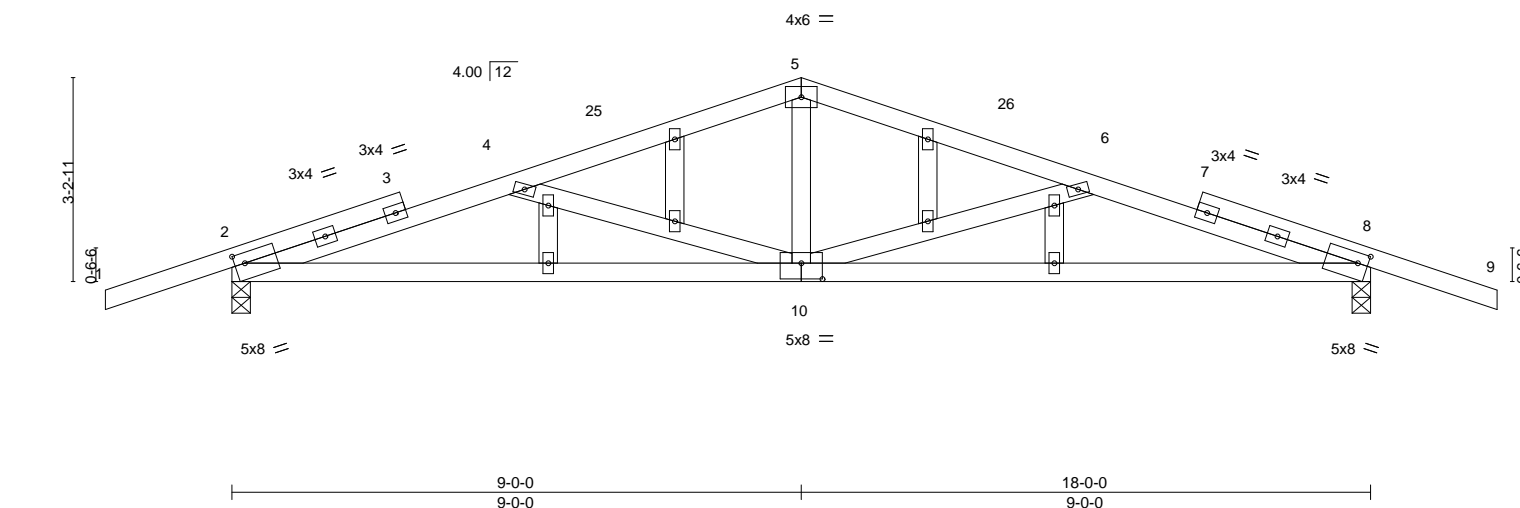
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 12 07:40:20 2021 Page 1

ID:WQW5Xtb6H83OzmNTXOalZkx7yk-KPLZla_mhyaNfq2DMLxRV?Y8mbTqVpzwzKZRlyzw9vv



Scale = 1:36.4



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	0.15 10-24 >999 240	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.18 10-24 >999 180				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.03 8 n/a n/a				
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							
								Weight: 94 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-5-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-8-12 oc bracing.

REACTIONS.

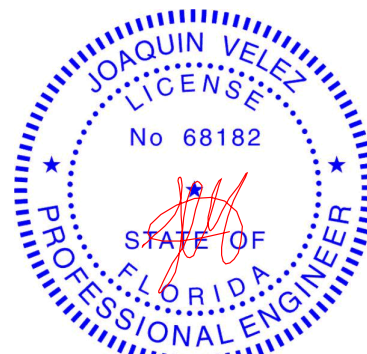
(size) 2=0-3-8, 8=0-3-8
Max Horz 2=-72(LC 13)
Max Uplift 2=-613(LC 8), 8=-613(LC 9)
Max Grav 2=771(LC 1), 8=771(LC 1)

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

TOP CHORD 2-4=-1516/1190, 4-5=-1097/810, 5-6=-1097/810, 6-8=-1516/1190
BOT CHORD 2-10=-1042/1438, 8-10=-1049/1438
WEBS 4-10=-468/487, 5-10=-335/476, 6-10=-468/487

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -2-0-0 to 1-1-8, Exterior(2N) 1-1-8 to 9-0-0, Corner(3R) 9-0-0 to 12-0-0, Exterior(2N) 12-0-0 to 20-0-0 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- 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 613 lb uplift at joint 2 and 613 lb uplift at joint 8.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

January 12, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



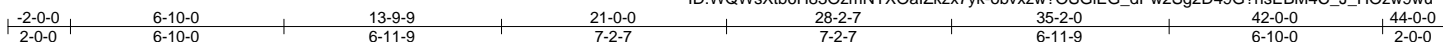
6904 Parke East Blvd.
Tampa, FL 36610

Job 2603679	Truss T02	Truss Type Common	Qty 14	Ply 1	RJH CONST. - CAMPBELL RES. T22420951
----------------	--------------	----------------------	-----------	----------	---

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 12 07:40:21 2021 Page 1

ID:WQW5Xtb6H83OzmNTXOalZkx7yk-obvzxw?OSGiEG_dPw2Sg2D49G?nsEBM4C_J_HOzw9wu



Scale = 1:73.7

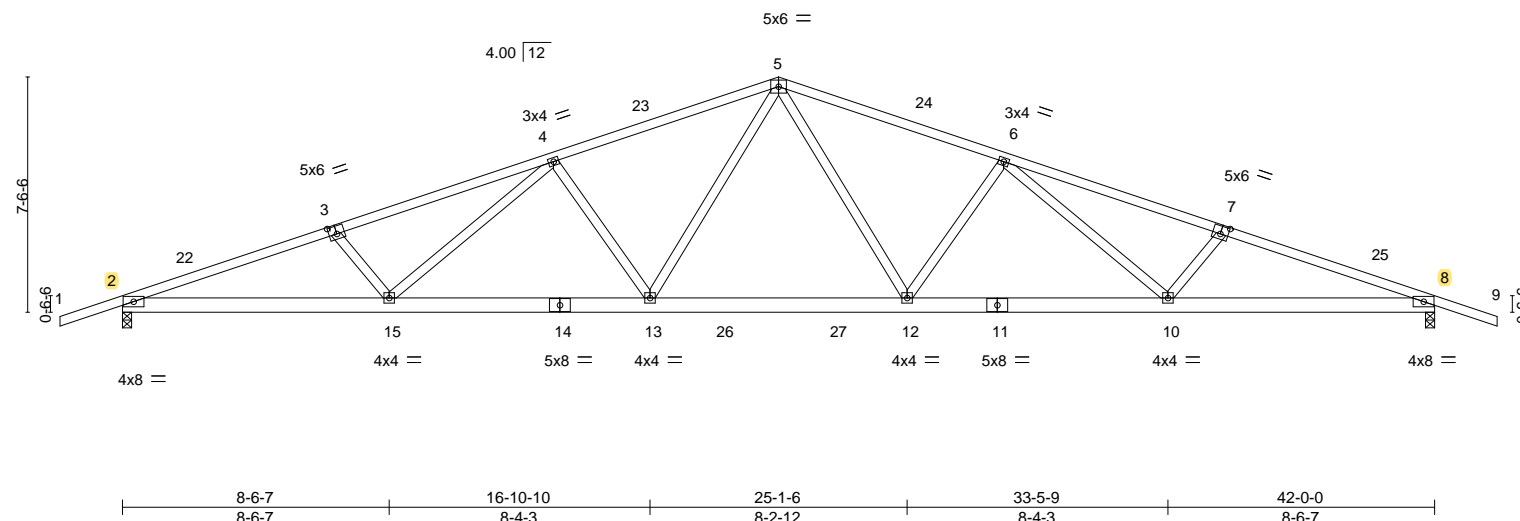


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [7:0-3-0,0-3-0]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	-0.38	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.66	12-13	>769	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 238 lb FT = 20%		

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

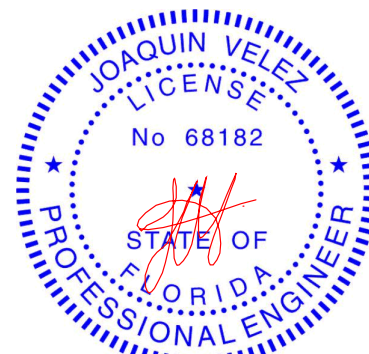
BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 5-9-11 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=165(LC 16)
Max Uplift 2=768(LC 8), 8=768(LC 9)
Max Grav 2=1774(LC 2), 8=1774(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4205/1789, 3-4=-4045/1731, 4-5=-3203/1458, 5-6=-3203/1458, 6-7=-4045/1731, 7-8=-4205/1788
BOT CHORD 2-15=-1586/3945, 13-15=-1288/3317, 12-13=-878/2496, 10-12=-1303/3317, 8-10=-1602/3945
WEBS 5-12=-398/995, 6-12=-659/462, 6-10=-244/668, 7-10=-323/288, 5-13=-398/995, 4-13=-659/461, 4-15=-244/668, 3-15=-323/288

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 2-2-6, Interior(1) 2-2-6 to 21-0-0, Exterior(2R) 21-0-0 to 25-2-6, Interior(1) 25-2-6 to 44-0-0 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.
- 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 768 lb uplift at joint 2 and 768 lb uplift at joint 8.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

January 12,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.
Tampa, FL 36610

Job 2603679	Truss T02G	Truss Type Common Supported Gable	Qty 1	Ply 1	RJH CONST. - CAMPBELL RES. T22420952
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 12 07:40:23 2021 Page 1

ID:WQWsXtb6H83OzmNTXOalZkzx7yk-l_0hOc0e_tyyWlno1TU87eAgCodiiCnNfHo5MHzw9ws

-2-0-0	21-0-0	42-0-0	44-0-0
2-0-0	21-0-0	21-0-0	2-0-0

Scale = 1:77.4

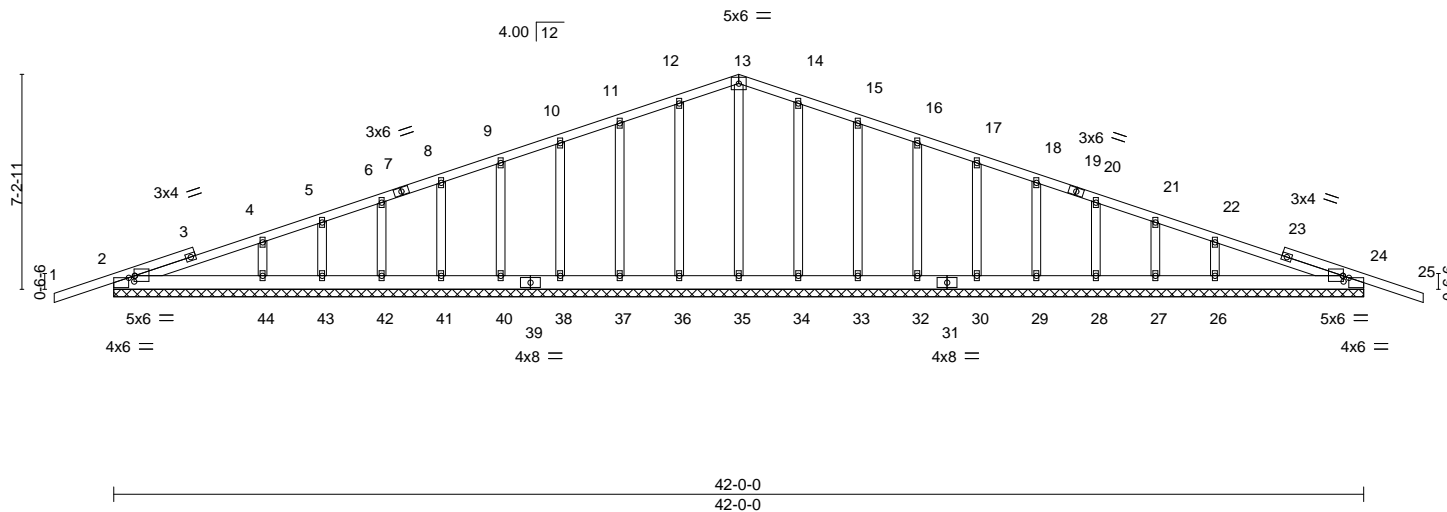


Plate Offsets (X,Y)-- [2:0-0-4,0-2-5], [2:0-2-7,Edge], [24:0-0-4,0-2-5], [24:0-2-7,Edge]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	-0.01 25 n/r 120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01 25 n/r 120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01 24 n/a n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S				Weight: 270 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

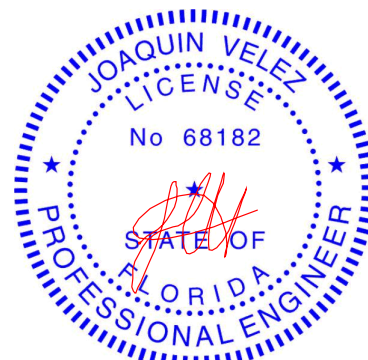
REACTIONS.

- All bearings 42-0-0.
(lb) - Max Horz 2=158(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 36, 37, 38, 40, 41, 42, 43, 34, 33, 32, 30, 29, 28, 27 except
2=179(LC 8), 44=158(LC 12), 26=161(LC 13), 24=192(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 35, 36, 37, 38, 40, 41, 42, 43, 34, 33, 32, 30, 29, 28, 27
except 2=287(LC 23), 44=325(LC 23), 26=325(LC 24), 24=287(LC 24)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -2-0-0 to 2-2-6, Exterior(2N) 2-2-6 to 21-0-0, Corner(3R) 21-0-0 to 25-0-0, Exterior(2N) 25-0-0 to 44-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 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 100 lb uplift at joint(s) 36, 37, 38, 40, 41, 42, 43, 34, 33, 32, 30, 29, 28, 27 except (jt=lb) 2=179, 44=158, 26=161, 24=192.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

January 12,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



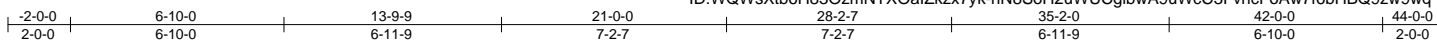
6904 Parke East Blvd.
Tampa, FL 36610

Job 2603679	Truss T03	Truss Type Common	Qty 2	Ply 1	RJH CONST. - CAMPBELL RES. T22420953
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 12 07:40:25 2021 Page 1

ID:WQWsxTib6H83OzmNTXOalZkzx7yk-hN8SoH2uWUCglbwA9uWcC3FvncFoAw7f6bHBQ9zw9wq



Scale = 1:73.7

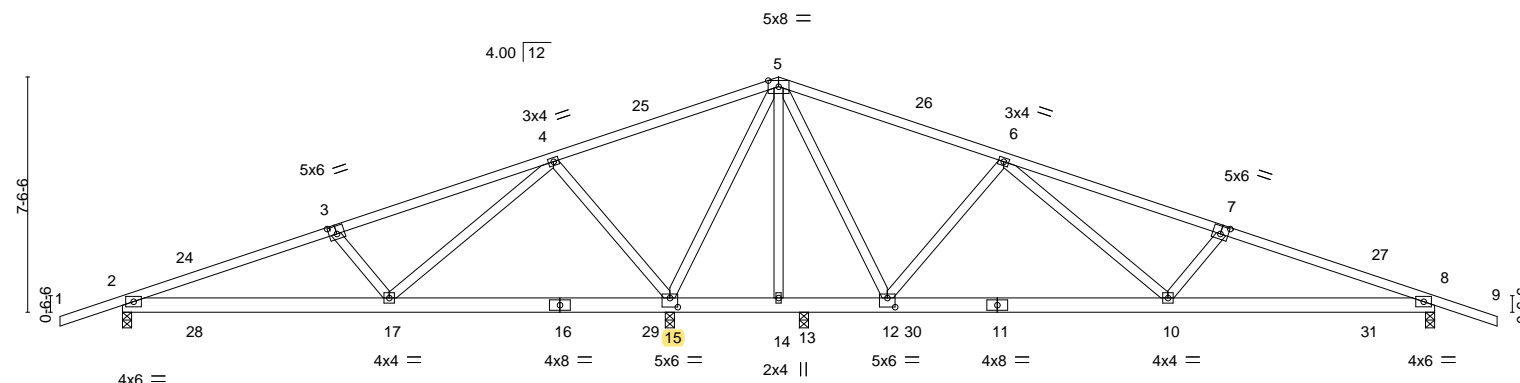


Plate Offsets (X,Y)--	[3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [12:0-3-0,0-3-8], [15:0-3-0,0-3-8]
-----------------------	--

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 0.67	Vert(LL)	0.11 10-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.36	Vert(CT)	-0.11 10-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.85	Horz(CT)	0.01 13	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 248 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-3-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
7-11-0 oc bracing: 8-10.

REACTIONS.

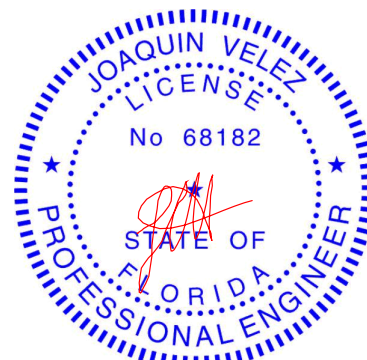
All bearings 0-3-8.
(lb) - Max Horz 2=165(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) except 2=427(LC 8), 15=993(LC 8), 8=584(LC 9), 13=589(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 2=561(LC 23), 15=1346(LC 1), 8=721(LC 24), 13=817(LC 24)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-673/400, 3-4=-466/334, 4-5=-696/907, 5-6=-146/338, 6-7=-945/880, 7-8=-1150/945
BOT CHORD 2-17=-366/593, 15-17=-403/536, 14-15=-539/749, 13-14=-539/749, 12-13=-539/749, 10-12=-54/306, 8-10=-807/1044
WEBS 5-14=-716/728, 5-12=-731/622, 6-12=-735/721, 6-10=-855/733, 7-10=-351/303, 5-15=-614/517, 4-15=-732/721, 4-17=-859/732, 3-17=-358/308

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 2-2-6, Interior(1) 2-2-6 to 21-0-0, Exterior(2R) 21-0-0 to 25-2-6, Interior(1) 25-2-6 to 44-0-0 zone; porch left and right exposed; 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.
- 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 427 lb uplift at joint 2, 993 lb uplift at joint 15, 584 lb uplift at joint 8 and 589 lb uplift at joint 13.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

January 12, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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

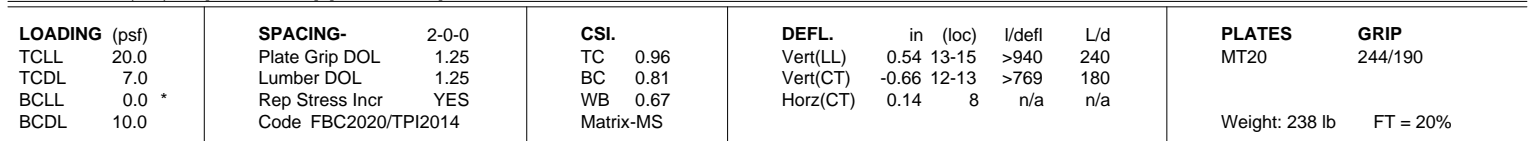
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.
Tampa, FL 36610

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 12 07:40:26 2021 Page 1
 ID:WQWsXtb6H83OzmNTXOalIZkzx7yk-9Ziq0d3WHoKXNIVNic2rJnGo000U1vQ8pLF0lycz9w9p
 -2-0-0 6-10-0 13-9-9 21-0-0 28-2-7 35-2-0 42-0-0 44-0-0
 2-0-0 6-10-0 6-11-9 7-2-7 7-2-7 6-11-9 6-10-0 2-0-0
 Scale = 1:73.7



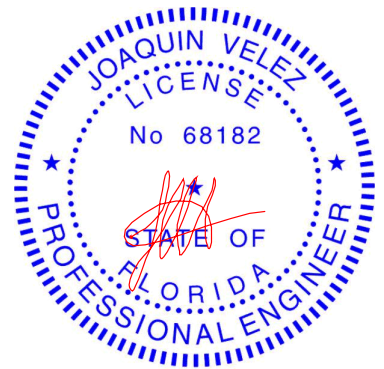
REACTIONS. (size) 2=0-5-8, 8=0-5-8
 Max Horz 2=165(LC 12)
 Max Uplift 2=-1265(LC 8), 8=-1265(LC 9)
 Max Grav 2=1774(LC 2), 8=1774(LC 2)

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

TOP CHORD	2-3=-4205/3574, 3-4=-4045/3517, 4-5=-3203/2791, 5-6=-3203/2791, 6-7=-4045/3517, 7-8=-4205/3574
BOT CHORD	2-15=-3279/3945, 13-15=-2646/3317, 12-13=-1882/2496, 10-12=-2632/3317, 8-10=-3295/3945
WEBS	5-12=-878/994, 6-12=-659/642, 6-10=-692/668, 7-10=-323/288, 5-13=-878/994, 4-13=-659/642, 4-15=-692/668, 3-15=-323/288

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCFL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 2-2-6, Interior(1) 2-2-6 to 21-0-0, Exterior(2R) 21-0-0 to 25-2-6, Interior(1) 25-2-6 to 44-0-0 zone; porch left and right exposed; 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 1265 lb uplift at joint 2 and 1265 lb uplift at joint 8.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

January 12, 2021



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, DSB-89 and BCSI Building C**

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



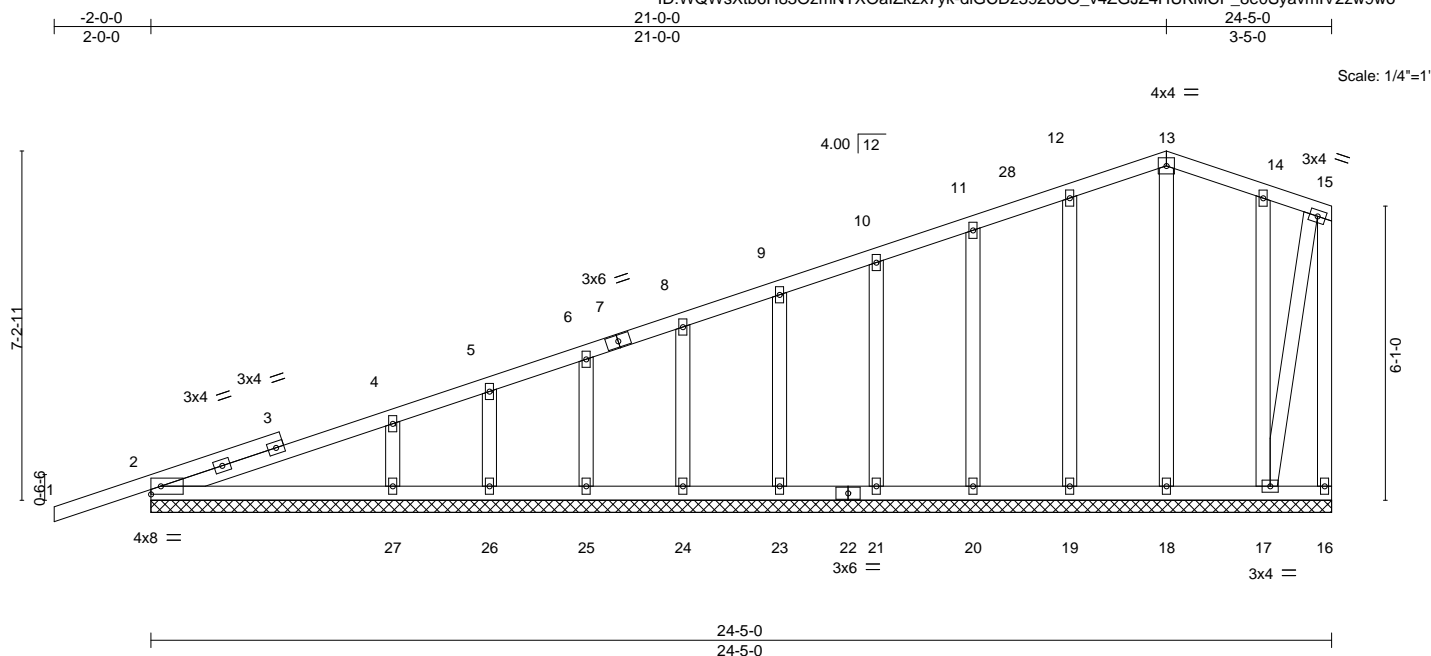
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	RJH CONST. - CAMPBELL RES.	T22420955
2603679	T04G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 12 07:40:27 2021 Page 1

ID:WQWsXtb6H83OzmNTXOalZkx7yk-dlGCDz3926SO_v4ZGJZ4HUKMCP_8e0SyavmlV2zw9wo



LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0		TC 0.23	Vert(LL)	-0.00	1	n/r	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25		BC 0.17	Vert(CT)	0.00	1	n/r		
BCLL 0.0 *	Lumber DOL 1.25		WB 0.09	Horz(CT)	-0.00	16	n/a		
BCDL 10.0	Rep Stress Incr YES		Matrix-S						
	Code FBC2020/TPI2014							Weight: 161 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6'-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6'-0-0 oc bracing, Except: 10'-0-0 oc bracing: 16-17.

REACTIONS.

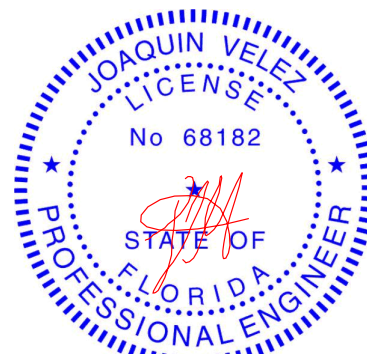
All bearings 24-5-0.
(lb) - Max Horz 2=336(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 16, 18, 19, 20, 21, 23, 24, 25, 26, 17 except 2=137(LC 8), 27=159(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 16, 18, 19, 20, 21, 23, 24, 25, 26, 17 except 2=290(LC 23), 27=322(LC 23)

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

TOP CHORD 2-4=304/116

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 21-0-0, Corner(3E) 21-0-0 to 24-3-4 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2'-0-0 oc.
- 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 100 lb uplift at joint(s) 16, 18, 19, 20, 21, 23, 24, 25, 26, 17 except (jt=lb) 2=137, 27=159.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

January 12, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component

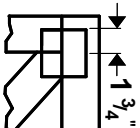
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



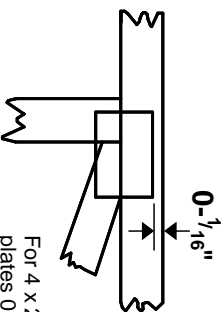
6904 Parke East Blvd.
Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

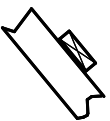
* Plate location details available in **MiTek 20/20** software or upon request.

PLATE SIZE

4 X 4

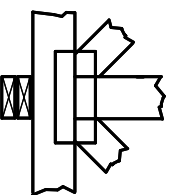
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



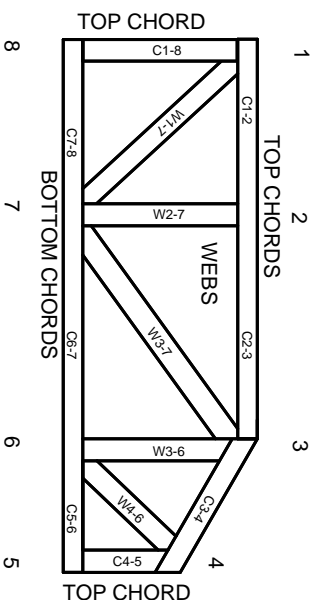
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



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-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

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.

© 2012 MiTek® All Rights Reserved



MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020



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.