



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

RE: 2733931 - IC CONST. - CAMPBELL RES.

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: IC Construction Project Name: Campbell Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 432 SW Mandiba Drive, 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: ASCE 7-16

Wind Speed: 130 mph

Roof Load: 37.0 psf

Floor Load: N/A psf

This package includes 38 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	No.	Seal#	Truss Name	Date
1	T23882340	EJ01	5/11/21	23	T23882362	T12	5/11/21
2	T23882341	EJ02	5/11/21	24	T23882363	T12G	5/11/21
3	T23882342	EJ03	5/11/21	25	T23882364	T13	5/11/21
4	T23882343	EJ04	5/11/21	26	T23882365	T14	5/11/21
5	T23882344	PB01	5/11/21	27	T23882366	T14G	5/11/21
6	T23882345	PB01G	5/11/21	28	T23882367	T15	5/11/21
7	T23882346	T01	5/11/21	29	T23882368	T15G	5/11/21
8	T23882347	T01G	5/11/21	30	T23882369	T16	5/11/21
9	T23882348	T02	5/11/21	31	T23882370	T16G	5/11/21
10	T23882349	T02G	5/11/21	32	T23882371	T17	5/11/21
11	T23882350	T03	5/11/21	33	T23882372	T18	5/11/21
12	T23882351	T04	5/11/21	34	T23882373	T18G	5/11/21
13	T23882352	T05	5/11/21	35	T23882374	T19	5/11/21
14	T23882353	T06	5/11/21	36	T23882375	T20	5/11/21
15	T23882354	T06G	5/11/21	37	T23882376	T21	5/11/21
16	T23882355	T07	5/11/21	38	T23882377	V01	5/11/21
17	T23882356	T07G	5/11/21				
18	T23882357	T08	5/11/21				
19	T23882358	T09	5/11/21				
20	T23882359	T09G	5/11/21				
21	T23882360	T10	5/11/21				
22	T23882361	T11	5/11/21				

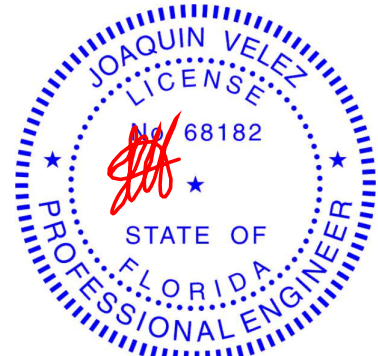


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Jacksonville.

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:

May 11,2021

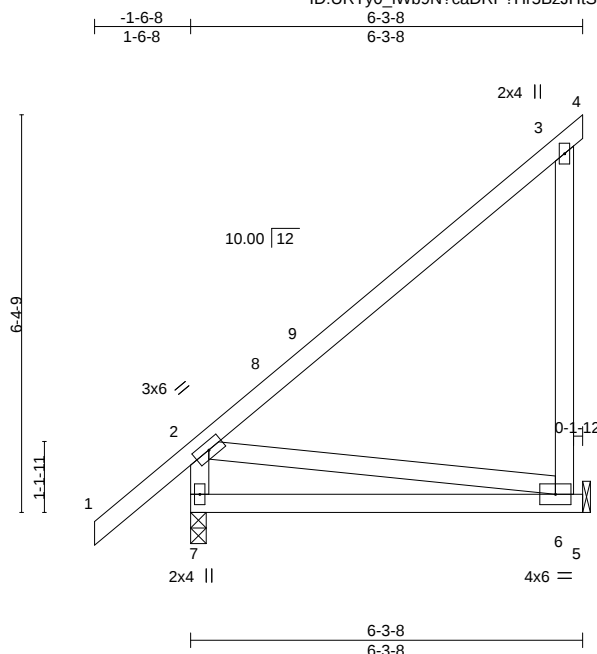
Job	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.
2733931	EJ01	Jack-Open	11	1	T23882340
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:38:57 2021 Page 1

ID:URTyo_IWb9N?caDRP?Hr5BzJHtS-3pwWVP9wZMRwNgZGMqTmCbfrK6Y4EebxdE0S88ziv9S



Scale = 1:37.0

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.65	Vert(LL)	-0.07 6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.44	Vert(CT)	-0.14 6-7	>502	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(CT)	-0.00 6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 43 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEBS 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 10-0-0 oc bracing.

REACTIONS.

(size) 7=0-3-0, 6=Mechanical

Max Horz 7=206(LC 12)

Max Uplift 6=-162(LC 12)

Max Grav 7=321(LC 1), 6=243(LC 19)

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

TOP CHORD 2-7=-262/98

BOT CHORD 6-7=-332/149

WEBS 3-6=-169/256, 2-6=-151/336

NOTES-

- 1) Wind: ASCE 7-16; 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 Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 6-3-8 zone; end vertical left exposed; 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 100 lb uplift at joint(s) except (jt=lb) 6=162.



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Date:

May 11, 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



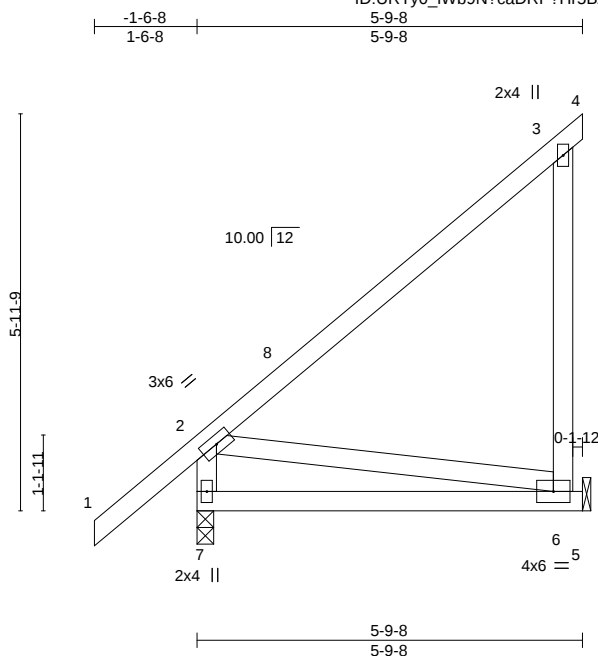
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.
2733931	EJ02	Jack-Open	2	1	T23882341
Job Reference (optional)					

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

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:38:58 2021 Page 1

ID:URTy0_IWb9N?caDRP?Hr5BzJHtS-X?Uuul9YKfZn?q8TvX_?lpC2fWvWz5?4sum?gazlv9R



Scale = 1:34.6

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 0.55	Vert(LL)	-0.05 6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.36	Vert(CT)	-0.10 6-7	>656	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	-0.00 6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 40 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

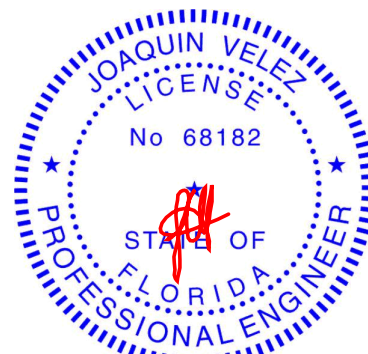
(size) 7=0-3-0, 6=Mechanical
Max Horz 7=191(LC 12)
Max Uplift 6=-151(LC 12)
Max Grav 7=303(LC 1), 6=222(LC 19)

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

BOT CHORD 6-7=-323/143
WEBS 2-6=-145/328

NOTES-

- Wind: ASCE 7-16; 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 Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 5-9-8 zone; end vertical left 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=151.



Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:

May 11, 2021

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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

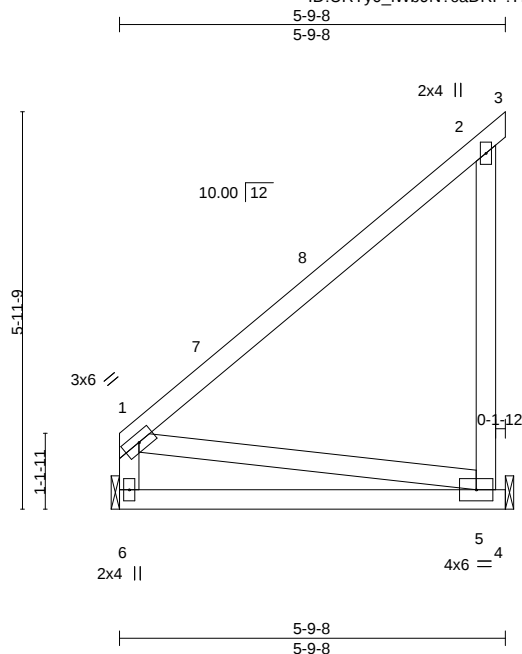
Job	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.
2733931	EJ03	Jack-Open	9	1	T23882342
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:38:59 2021 Page 1

ID:URTyo_IWb9N?caDRP?Hr5BzJHtS-?B2Gw5AA5zhedzjTFVEH0ICEvFliYLE4YVYC1zlv9Q



Scale = 1:34.6

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.62	Vert(LL)	-0.05	5-6	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.36	Vert(CT)	-0.10	5-6	>656	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	-0.00	5	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						
									Weight: 37 lb FT = 20%

LUMBER-

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

BRACING-

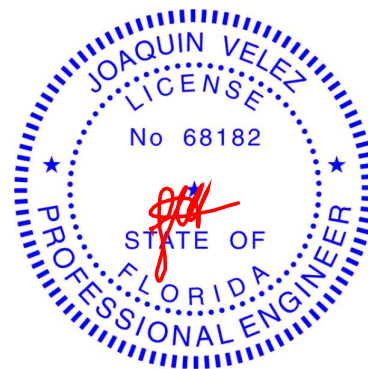
TOP CHORD Structural wood sheathing directly applied or 5-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 5=Mechanical
Max Horz 6=161(LC 12)
Max Uplift 5=-156(LC 12)
Max Grav 6=198(LC 1), 5=234(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 5-6=-253/104
WEBS 2-5=-167/258, 1-5=-105/256

NOTES-

- 1) Wind: ASCE 7-16; 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 Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 5-9-8 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 100 lb uplift at joint(s) except (jt=lb) 5=156.



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6904 Parke East Blvd. Tampa FL 33610
Date:

May 11, 2021

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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

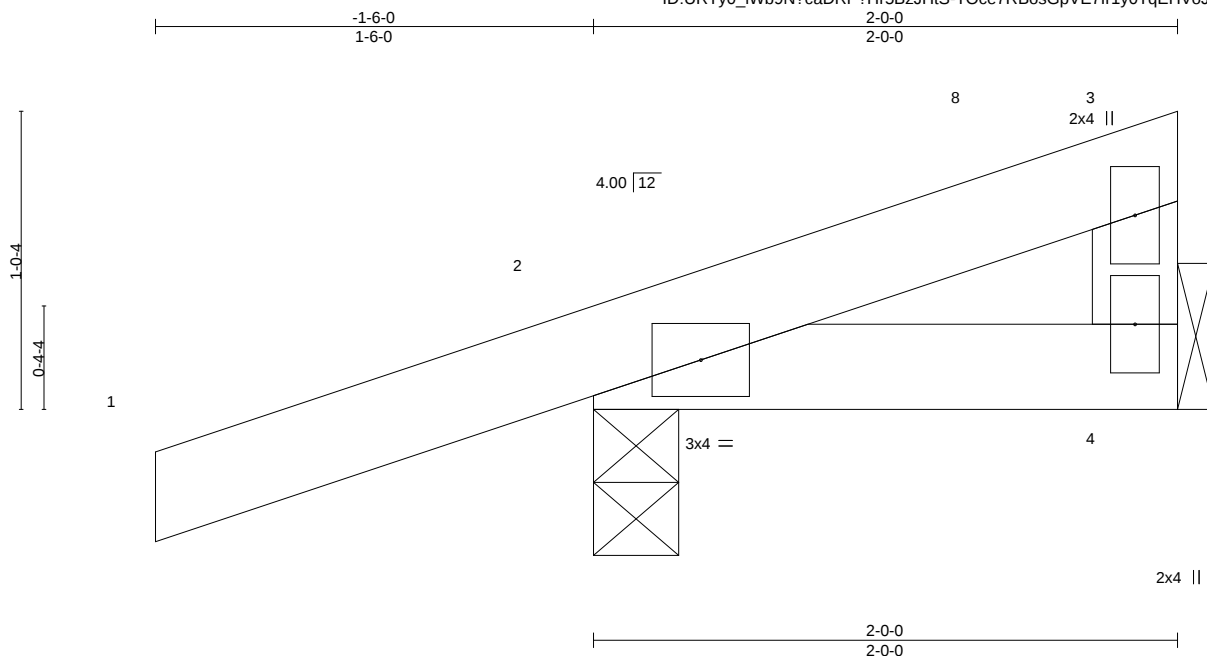
Job 2733931	Truss EJ04	Truss Type Jack-Open	Qty 7	Ply 1	IC CONST. - CAMPBELL RES. T23882343
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:00 2021 Page 1

ID:URTyo0_IWb9N?caDRP?Hr5BzJHIS-TOce7RBosGpVE7Ir1y0TqEHVoJgAR0uNJCf6kTzlv9P



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.12	Vert(LL)	-0.00	7	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	-0.00	7	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	2	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						
								Weight: 9 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

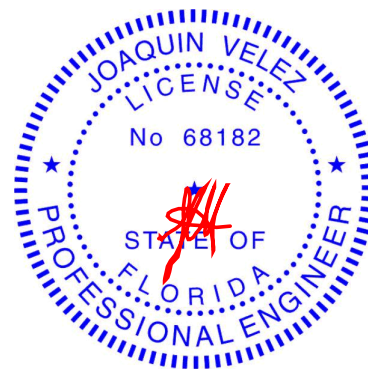
REACTIONS.

(size) 2=0-3-8, 4=Mechanical
Max Horz 2=44(LC 8)
Max Uplift 2=96(LC 8), 4=8(LC 12)
Max Grav 2=182(LC 1), 4=42(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; 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 Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 1-10-4 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 100 lb uplift at joint(s) 2, 4.



Joaquin Velez PE No.68182
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Date:

May 11,2021

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



6904 Parke East Blvd.
Tampa, FL 36610

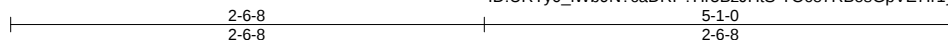
Job 2733931	Truss PB01	Truss Type Piggyback	Qty 19	Ply 1	IC CONST. - CAMPBELL RES. T23882344
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Builders FirstSource (Jacksonville, FL),

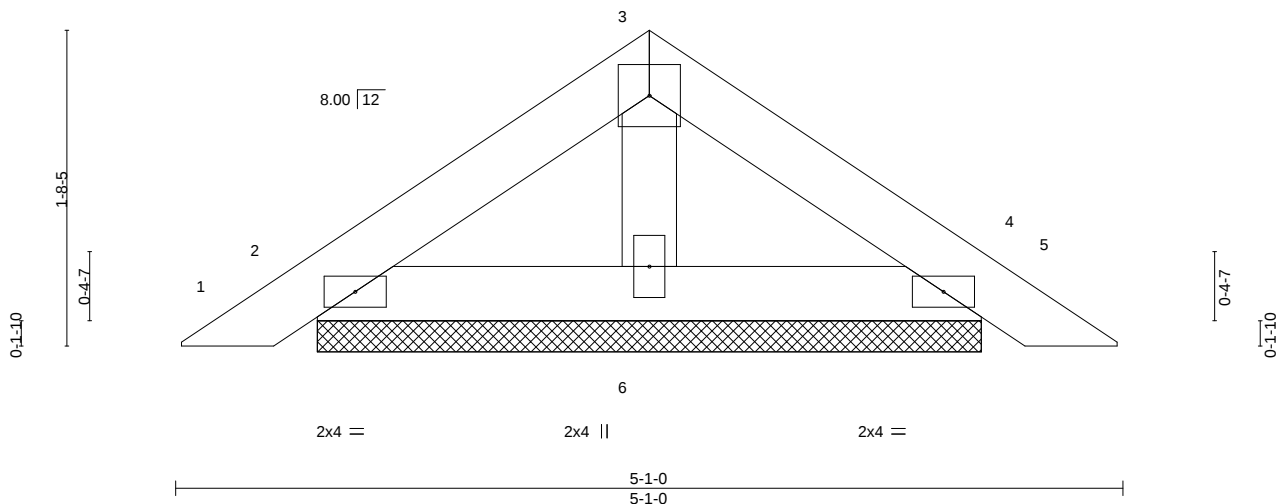
Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:00 2021 Page 1

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Scale = 1:12.4



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 0.05	Vert(LL)	0.00	4	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	0.00	4	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-P					Weight: 16 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

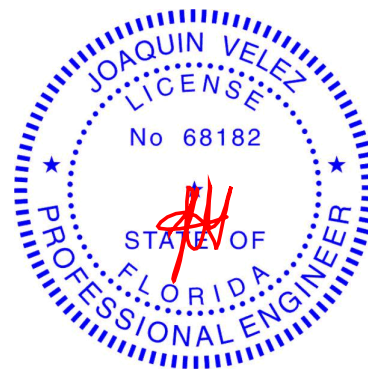
REACTIONS.

(size) 2=3-6-12, 4=3-6-12, 6=3-6-12
Max Horz 2=-33(LC 10)
Max Uplift 2=-33(LC 12), 4=-38(LC 13), 6=-7(LC 12)
Max Grav 2=100(LC 1), 4=100(LC 1), 6=117(LC 1)

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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.
- Gable requires continuous bottom chord bearing.
- 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) 2, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

May 11, 2021

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

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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

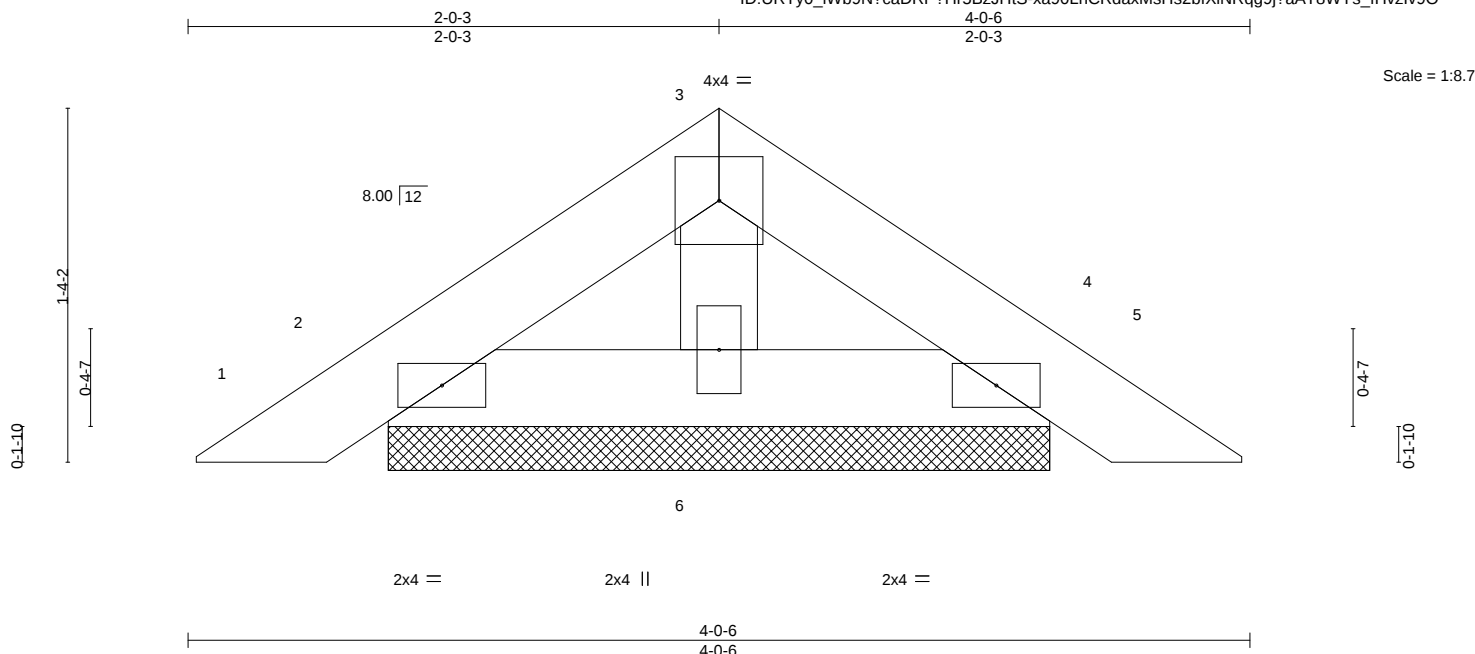
Job 2733931	Truss PB01G	Truss Type PIGGYBACK	Qty 2	Ply 1	IC CONST. - CAMPBELL RES. T23882345
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:01 2021 Page 1

ID:URTy0_IWb9N?caDRP?Hr5BzJHtS-xa90LnCRdaxMsHs2bfXiNRqg9j?aAT8WYs_fhVzlv90



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 0.02	Vert(LL)	0.00	4	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.02	Vert(CT)	0.00	4	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-P					Weight: 12 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=2-6-2, 4=2-6-2, 6=2-6-2
Max Horz 2=-26(LC 10)
Max Uplift 2=-28(LC 12), 4=-31(LC 13), 6=-3(LC 12)
Max Grav 2=80(LC 1), 4=80(LC 1), 6=79(LC 1)

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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.
- Gable requires continuous bottom chord bearing.
- 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) 2, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

May 11, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job 2733931	Truss T01	Truss Type ATTIC	Qty 6	Ply 1	IC CONST. - CAMPBELL RES. T23882346
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:03 2021 Page 1

ID:URTyo0_IWb9N?caDRP?Hr5BzJHtS-uzHnmSDh8BB45b0Qi4aASsvukWaWeGpp?9TmLozlv9M

-1-6-8	3-4-0	6-5-12	9-11-9	12-3-8	14-7-7	18-1-4	21-3-0	24-7-0	26-1-8
1-6-8	3-4-0	3-1-12	3-5-13	2-3-15	2-3-15	3-5-13	3-1-12	3-4-0	1-6-8

5x8 =

Scale = 1:68.8

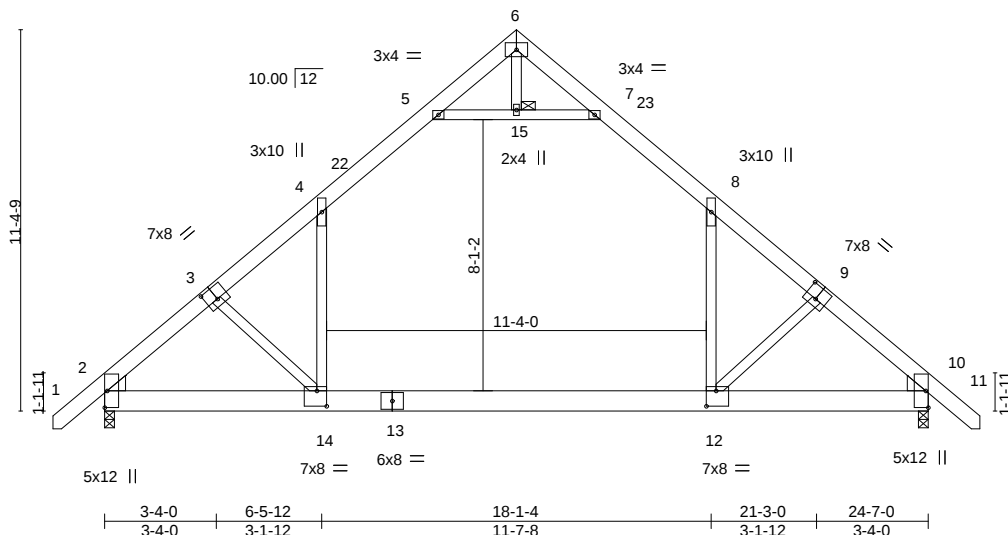


Plate Offsets (X,Y)-- [3:0-4-0,0-4-8], [9:0-4-0,0-4-8], [12:0-3-8,0-5-8], [14:0-3-8,0-5-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.34 12-14 >860	240	MT20 244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.58 12-14 >506	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.02 2 n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Attic	-0.19 12-14 716	360	Weight: 202 lb FT = 20%

LUMBER-

TOP CHORD 2x6 SP M 26 *Except*
1-3,9-11: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3
WEDGE
Left: 2x6 SP No.2 , Right: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-10-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 15

REACTIONS.

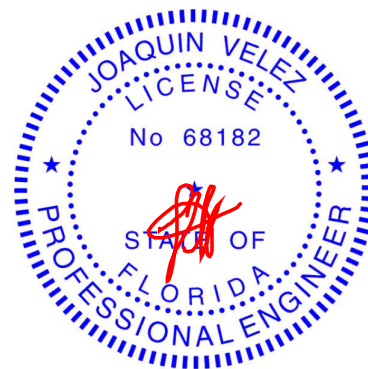
(size) 2=0-3-8, 10=0-3-8
Max Horz 2=252(LC 11)
Max Uplift 2=-32(LC 12), 10=-32(LC 13)
Max Grav 2=1465(LC 20), 10=1465(LC 21)

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

TOP CHORD 2-3=-1949/0, 3-4=-1842/9, 4-5=-1128/111, 5-6=-3/398, 6-7=-3/398, 7-8=-1127/111,
8-9=-1842/8, 9-10=-1948/0
BOT CHORD 2-14=-47/1551, 12-14=0/1251, 10-12=0/1430
WEBS 5-15=-1668/84, 7-15=-1668/84, 4-14=0/1069, 8-12=0/1069, 3-14=-423/178,
9-12=-424/179

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-5-0 to 1-7-0, Interior(1) 1-7-0 to 12-3-8, Exterior(2R) 12-3-8 to 15-3-8, Interior(1) 15-3-8 to 26-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber 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.
- Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-15, 7-15; Wall dead load (5.0psf) on member(s). 4-14, 8-12
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
- Attic room checked for L/360 deflection.



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

May 11,2021

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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 2733931	Truss T01G	Truss Type GABLE	Qty 1	Ply 1	IC CONST. - CAMPBELL RES. T23882347
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:05 2021 Page 1

ID:URTy0_IWb9N?caDRP?Hr5BzJHtS-qLPXA8FxpSoLuApqVceXH?EsKlw6HP6TTytQgzlv9K

1-6-8	3-4-0	6-5-12	10-5-0	12-3-8	14-2-0	18-1-4	21-3-0	24-7-0	26-1-8
1-6-8	3-4-0	3-1-12	3-11-4	1-10-8	1-10-8	3-11-4	3-1-12	3-4-0	1-6-8

5x6 =

Scale = 1:66.6

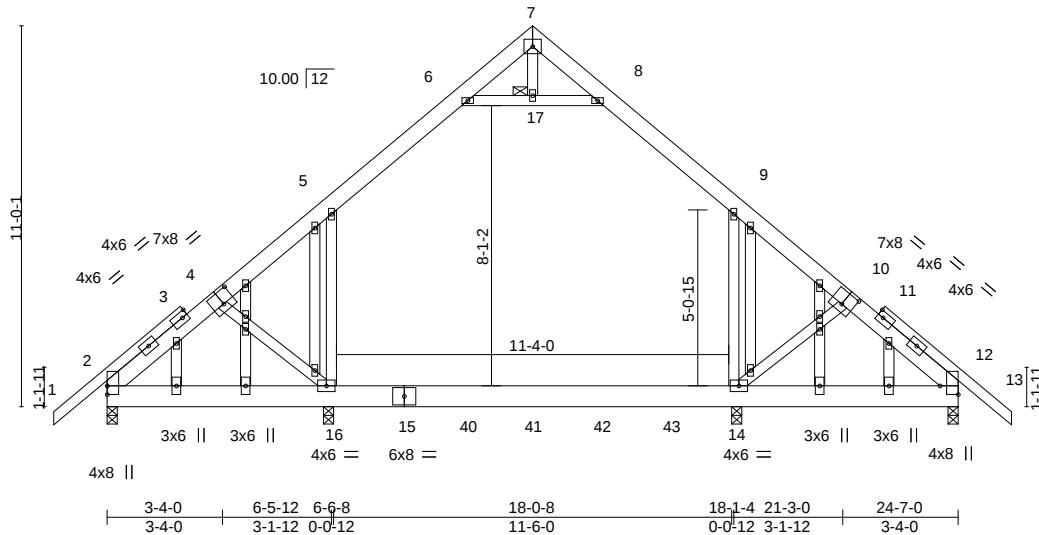


Plate Offsets (X,Y)-- [4:0-4-0,0-4-8], [10:0-4-0,0-4-8], [12:Edge,0-6-5]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.14 14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.20 14-16	>690	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.05	Horz(CT)	0.01 12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Attic	-0.14 14-16	996	360	Weight: 226 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
1-3,11-13: 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3
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 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 17

REACTIONS.

All bearings 0-3-8.
(lb) - Max Horz 2=-243(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12 except 16=-130(LC 8), 14=-128(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 2=482(LC 1), 16=1283(LC 34), 14=1281(LC 35), 12=482(LC 1)

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

TOP CHORD 2-4=-469/61, 4-5=-371/62, 5-6=-446/119, 8-9=-446/117, 9-10=-369/58, 10-12=-470/57
BOT CHORD 2-16=-70/352, 14-16=-19/326, 12-14=-22/335
WEBS 5-16=-394/184, 9-14=-390/180

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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.
- Ceiling dead load (5.0 psf) on member(s). 5-6, 8-9, 6-17, 8-17; Wall dead load (5.0psf) on member(s).5-16, 9-14
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12 except (jt=lb) 16=130, 14=128.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 22 lb down and 17 lb up at 6-4-4, 22 lb down and 17 lb up at 8-4-4, 22 lb down and 17 lb up at 10-4-4, 22 lb down and 17 lb up at 12-2-12, 22 lb down and 17 lb up at 14-2-12, and 22 lb down and 17 lb up at 16-2-12, and 22 lb down and 17 lb up at 18-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- Attic room checked for L/360 deflection.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

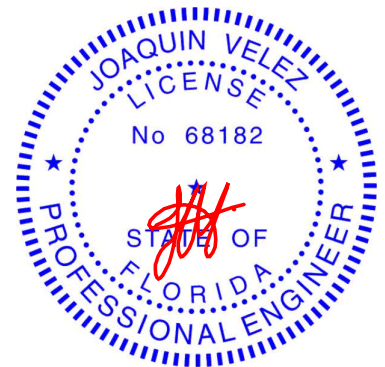
LOAD CASE(S) - Standard

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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



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

May 11,2021



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.	T23882347
2733931	T01G	GABLE	1	1	Job Reference (optional)	

LOAD CASE(S)
Standard

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

Uniform Loads (plf)

Vert: 16-32=-20, 14-16=-40, 14-36=-20, 1-5=-54, 5-6=-64, 6-7=-54, 7-8=-54, 8-9=-64, 9-13=-54, 6-8=-10

Drag: 5-16=-10, 9-14=-10

Concentrated Loads (lb)

Vert: 15=-16(B) 16=-16(B) 14=-16(B) 40=-16(B) 41=-16(B) 42=-16(B) 43=-16(B)


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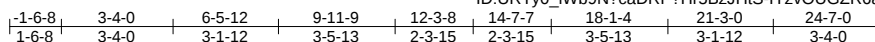
6904 Parke East Blvd.
Tampa, FL 36610

Job 2733931	Truss T02	Truss Type ATTIC	Qty 6	Ply 1	IC CONST. - CAMPBELL RES. T23882348
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:06 2021 Page 1

ID:URTy0_IWb9N?caDRP?Hr5BzJHtS-IYzvOUGZR6aey2l?ND7t4VXPYkcDrdXGh7iQy7zlv9J



Scale = 1:68.8

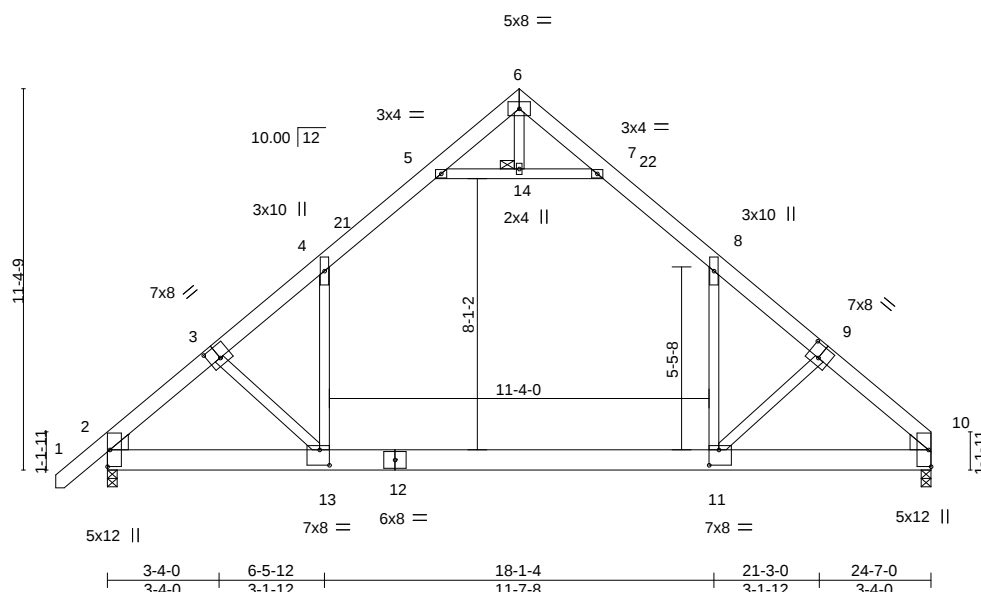


Plate Offsets (X,Y)--		[3:0-4-0,0-4-8], [9:0-4-0,0-4-8], [11:0-3-8,0-5-8], [13:0-3-8,0-5-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc)	l/def	L/d		PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.25		TC 0.53		Vert(LL) -0.34 11-13	>860	240		MT20	244/190
TCDL 7.0		Lumber DOL 1.25		BC 0.50		Vert(CT) -0.58 11-13	>506	180			
BCLL 0.0 *		Rep Stress Incr YES		WB 0.51		Horz(CT) 0.02 2	n/a	n/a			
BCDL 10.0		Code FBC2020/TPI2014		Matrix-MS		Attic -0.19 11-13	716	360		Weight: 198 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP M 26 *Except*
1-3,9-10: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3
WEDGE
Left: 2x6 SP No.2 , Right: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-10-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 14

REACTIONS.

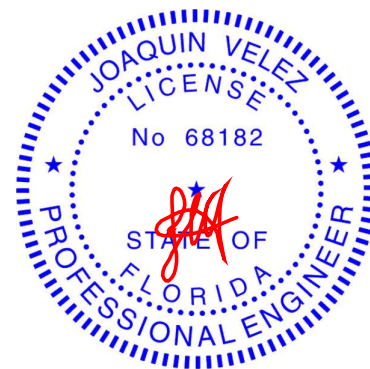
(size) 2=0-3-8, 10=0-3-8
Max Horz 2=243(LC 9)
Max Uplift 2=-32(LC 12), 10=-1(LC 13)
Max Grav 2=1466(LC 20), 10=1392(LC 21)

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

TOP CHORD 2-3=-1953/0, 3-4=-1846/11, 4-5=-1131/112, 5-6=-3/398, 6-7=-4/398, 7-8=-1129/111,
8-9=-1847/10, 9-10=-1954/0
BOT CHORD 2-13=-64/1540, 11-13=0/1240, 10-11=0/1425
WEBS 5-14=-1673/88, 7-14=-1673/88, 4-13=0/1069, 8-11=0/1071, 3-13=-422/177,
9-11=-436/184

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-5-0 to 1-7-0, Interior(1) 1-7-0 to 12-3-8, Exterior(2R) 12-3-8 to 15-3-8, Interior(1) 15-3-8 to 24-7-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber 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.
- Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-14, 7-14; Wall dead load (5.0psf) on member(s). 4-13, 8-11
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
- Attic room checked for L/360 deflection.



Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:

May 11,2021

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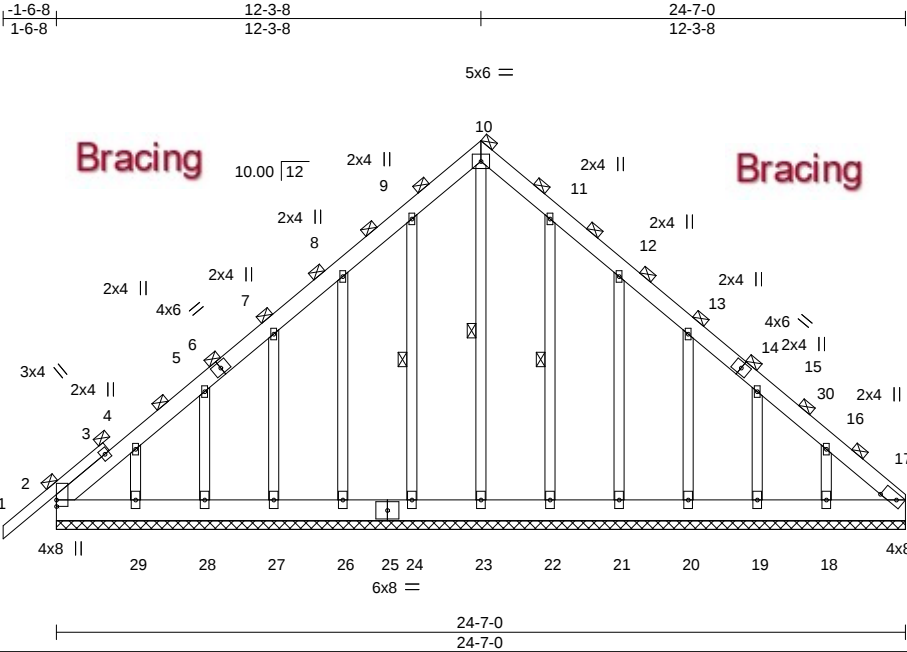


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.
2733931	T02G	COMMON SUPPORTED GAB	1	1	T23882349
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),
Jacksonville, FL - 32244,
8.430 s Apr 20 2021 MiTek Industries, Inc.
Fri May 7 11:39:08 2021
Page 1

ID:URTyo_IWb9N?caDRP?Hr5BzJHtS-Ew4gpAHqzkqMCMvOVeAL9wdpwXO9JbcY9RBX1?zlv9H



Scale = 1:66.7

Plate Offsets (X,Y)--		[17:0-5-9,Edge]										
LOADING (psf)		SPACING- 4-0-0		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	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.01	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.01	17	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 245 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* 1-3: 2x4 SP No.2	TOP CHORD 2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD 2x8 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	WEBS 1 Row at midpt 10-23, 9-24, 11-22

REACTIONS. All bearings 24-7-0.

(lb) - Max Horz 2=477(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 17 except 2=-110(LC 8), 24=-135(LC 12), 26=-193(LC 12), 27=-176(LC 12), 28=-172(LC 12), 29=-213(LC 12), 22=-126(LC 13), 21=-196(LC 13), 20=-177(LC 13), 19=-167(LC 13), 18=-266(LC 13)

Max Grav All reactions 250 lb or less at joint(s) except 2=446(LC 20), 23=287(LC 22), 24=321(LC 19), 26=323(LC 19), 27=318(LC 19), 28=321(LC 19), 29=321(LC 19), 22=311(LC 20), 21=326(LC 20), 20=322(LC 20), 19=304(LC 20), 18=392(LC 20), 17=340(LC 13)

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

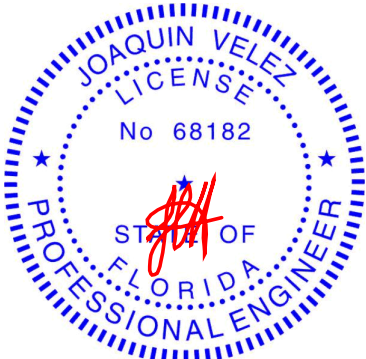
TOP CHORD 2-4=-563/329, 4-5=-390/265, 5-7=-269/211, 9-10=-214/310, 10-11=-214/310, 15-16=-333/181, 16-17=-539/264

BOT CHORD 2-29=-199/449, 28-29=-199/449, 27-28=-199/449, 24-26=-199/449, 23-24=-199/449, 22-23=-199/449, 21-22=-199/449, 20-21=-199/449, 19-20=-198/449, 18-19=-198/449, 17-18=-198/448

WEBS 16-18=-277/282

- 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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-8 to 1-5-8, Exterior(2N) 1-5-8 to 12-3-8, Corner(3R) 12-3-8 to 15-3-8, Exterior(2N) 15-3-8 to 24-5-4 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 3x6 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.

Continued on page 2.



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

May 11,2021

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	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.	T23882349
2733931	T02G	COMMON SUPPORTED GAB	1	1	Job Reference (optional)	

- NOTES-**
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17 except (jt=lb) 2=110, 24=135, 26=193, 27=176, 28=172, 29=213, 22=126, 21=196, 20=177, 19=167, 18=266.
 - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
 - 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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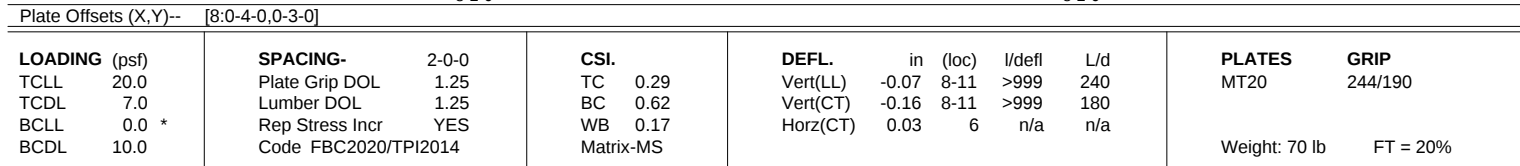
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:11 2021 Page 1

ID:URTy0_Iwb9N?caDRP?Hr5BzJHIS-fvmoRBKIGfCX3pdzAmj2nYFKRIHRWz42rPQBdKzlv9E

-1-6-0 4-5-7 8-2-0 11-10-10 16-4-0 17-10-0

1-6-0 4-5-7 3-8-9 3-8-9 4-5-7 1-6-0

Scale = 1:31.0



REACTIONS. (size) 2=0-3-8, 6=0-3-8
 Max Horz 2=-48(LC 17)
 Max Uplift 2=-197(LC 8), 6=-197(LC 9)
 Max Grav 2=685(LC 1), 6=685(LC 1)

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

TOP CHORD	2-3=-1333/451, 3-4=-1005/321, 4-5=-1005/321, 5-6=-1333/451
BOT CHORD	2-8=-380/1250, 6-8=-382/1250
WEBS	4-8=-65/449, 5-8=-372/192, 3-8=-372/192

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; 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 Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 8-2-0, Exterior(2R) 8-2-0 to 11-2-0, Interior(1) 11-2-0 to 17-10-0 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=197. 6=197.



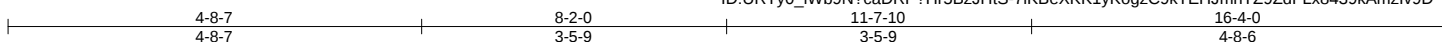
May 11, 2021

Job 2733931	Truss T05	Truss Type Common Girder	Qty 1	Ply 1	IC CONST. - CAMPBELL RES. T23882352
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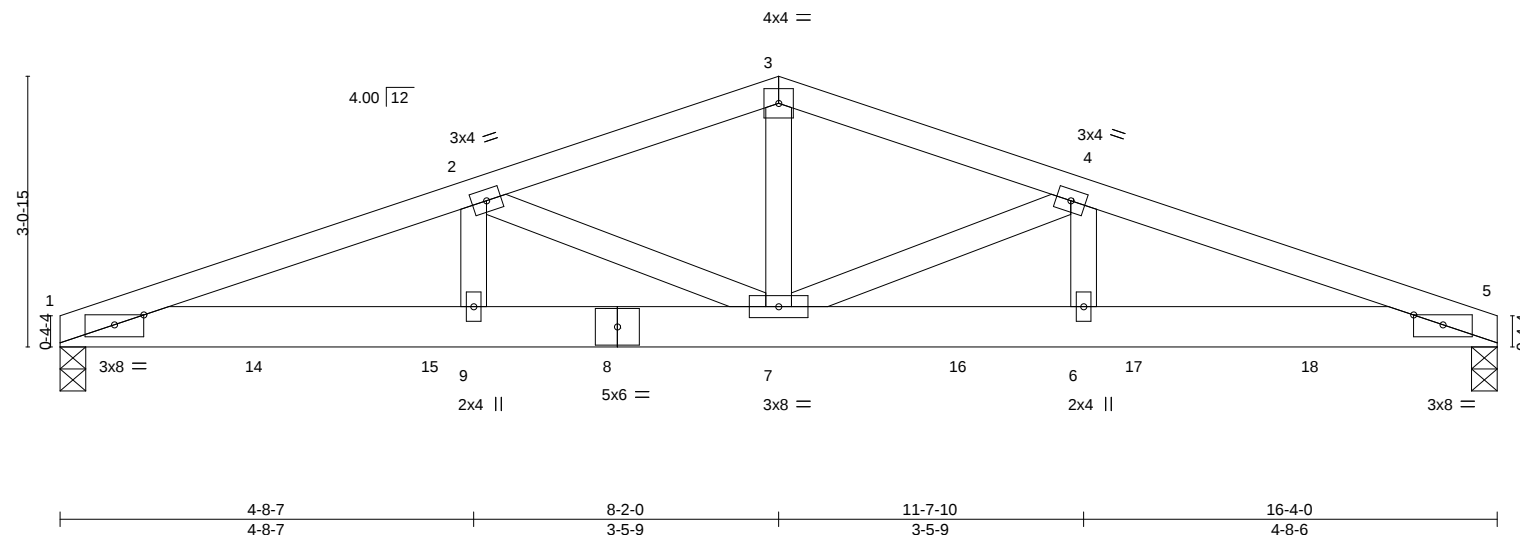
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8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:12 2021 Page 1

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Scale = 1:26.2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.39	Vert(LL)	-0.12	7-9	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.88	Vert(CT)	-0.21	7-9	>950	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.45	Horz(CT)	0.05	5	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						
								Weight: 81 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 3-0-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 1=0-3-8, 5=0-3-8
Max Horz 1=40(LC 31)
Max Uplift 5=24(LC 5)
Max Grav 1=1404(LC 1), 5=1234(LC 1)

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

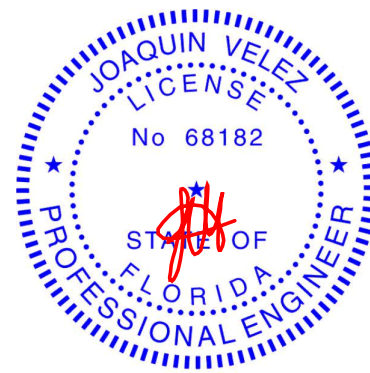
TOP CHORD 1-2=-3063/21, 2-3=-2200/9, 3-4=-2200/9, 4-5=-3067/20
BOT CHORD 1-9=-13/2891, 7-9=-13/2891, 6-7=0/2895, 5-6=0/2895
WEBS 3-7=0/1185, 4-7=-933/67, 4-6=0/442, 2-7=-928/67, 2-9=0/441

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 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.
- 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) 5.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 185 lb down at 0-0-0, 178 lb down at 2-3-4, 178 lb down at 4-3-4, 178 lb down at 6-3-4, 178 lb down at 8-3-4, 178 lb down at 10-3-4, and 178 lb down at 12-3-4, and 178 lb down at 14-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 1-5=-20
Concentrated Loads (lb)
Vert: 1=-185(F) 8=-178(F) 7=-178(F) 14=-178(F) 15=-178(F) 16=-178(F) 17=-178(F) 18=-178(F)



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

May 11, 2021

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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

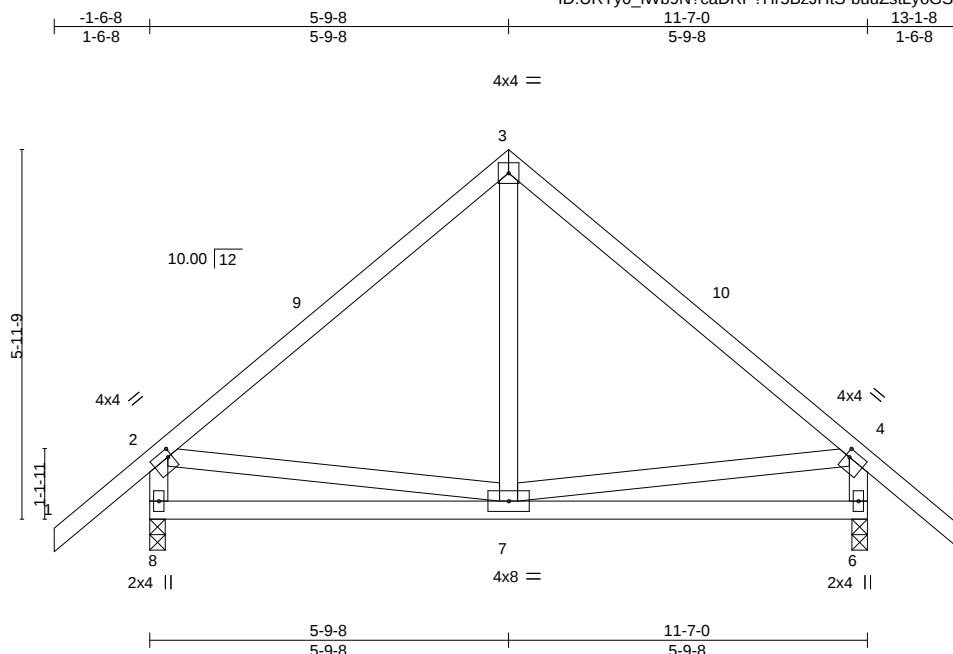


6904 Parke East Blvd.
Tampa, FL 36610

Job 2733931	Truss T06	Truss Type Common	Qty 3	Ply 1	IC CONST. - CAMPBELL RES. T23882353
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:13 2021 Page 1
ID:URTy0_IWb9N?caDRP?Hr5BzJHtS-buuZstLyoGSfl7nLIBWszKe7Y2E_tvHljvIDzlv9C



Scale = 1:37.2

Plate Offsets (X,Y)--		[2:0-0-12,0-1-8], [4:0-0-12,0-1-8]							
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 0.41		Vert(LL)	-0.02 7-8 >999 240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.28		Vert(CT)	-0.04 7-8 >999 180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.09		Horz(CT)	0.00 6 n/a n/a		
BCDL 10.0		Code FBC2020/TPI2014		Matrix-MS				Weight: 72 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 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 10-0-0 oc bracing.

REACTIONS.

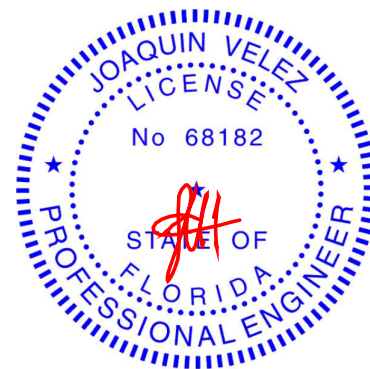
(size) 8=0-3-0, 6=0-3-0
Max Horz 8=164(LC 11)
Max Uplift 8=-110(LC 12), 6=-110(LC 13)
Max Grav 8=509(LC 1), 6=509(LC 1)

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

TOP CHORD 2-3=-394/145, 3-4=-394/145, 2-8=-459/231, 4-6=-459/231
BOT CHORD 7-8=-179/251

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 5-9-8, Exterior(2R) 5-9-8 to 8-9-8, Interior(1) 8-9-8 to 13-1-8 zone; 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
- 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 100 lb uplift at joint(s) except (jt=lb) 8=110, 6=110.



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Date:

May 11, 2021

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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



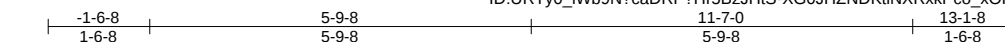
6904 Parke East Blvd.
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Job 2733931	Truss T06G	Truss Type Common Supported Gable	Qty 1	Ply 1	IC CONST. - CAMPBELL RES. T23882354
Job Reference (optional)					

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

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:15 2021 Page 1

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4x4 =

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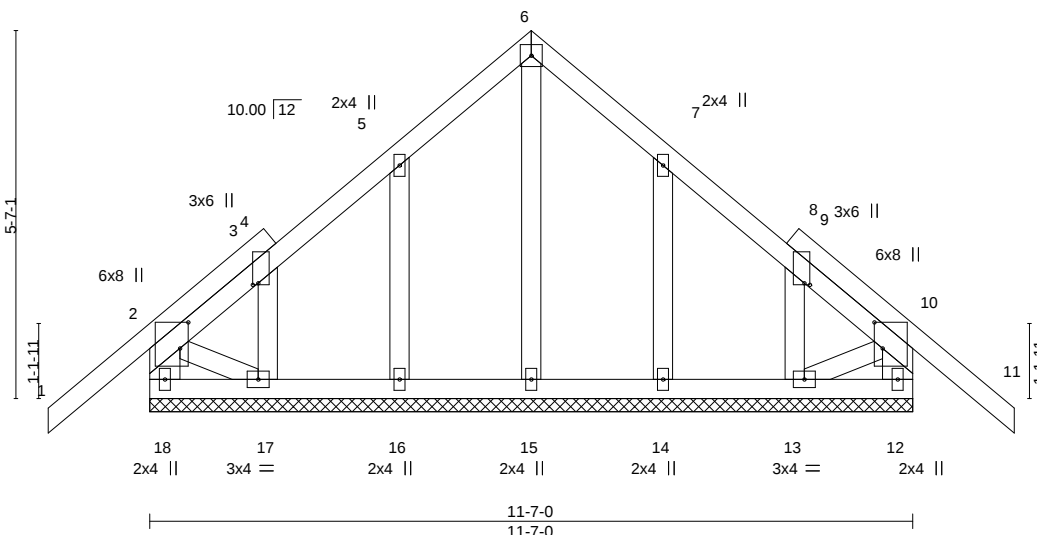


Plate Offsets (X,Y)--		[2:0-4-12,0-1-8], [3:0-0-5,0-1-0], [9:0-0-5,0-1-0], [10:0-4-12,0-1-8]							
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d
TCLL 20.0		Plate Grip DOL	1.25	TC 0.26		Vert(LL)	-0.01 11	n/r	120
TCDL 7.0		Lumber DOL	1.25	BC 0.03		Vert(CT)	-0.02 11	n/r	120
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.05		Horz(CT)	0.00 12	n/a	n/a
BCDL 10.0		Code FBC2020/TPI2014		Matrix-S					
						PLATES	GRIP		
						MT20	244/190		
						Weight: 82 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x6 SP No.2 *Except*
 2-17,10-13: 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.

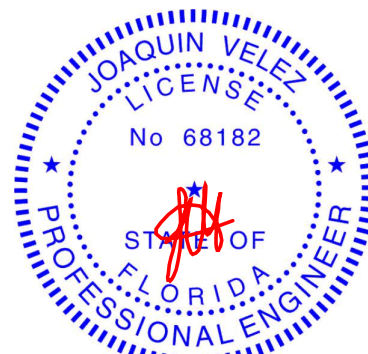
REACTIONS.

All bearings 11-7-0.
 (lb) - Max Horz 18=152(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 18, 12, 16, 14 except 17=106(LC 12), 13=101(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 18, 12, 15, 16, 17, 14, 13

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-8 to 1-9-0, Exterior(2N) 1-9-0 to 5-9-8, Corner(3R) 5-9-8 to 8-9-8, Exterior(2N) 8-9-8 to 13-1-8 zone; 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
- 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.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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) 18, 12, 16, 14 except (jt=lb) 17=106, 13=101.



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 Date:

May 11,2021

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



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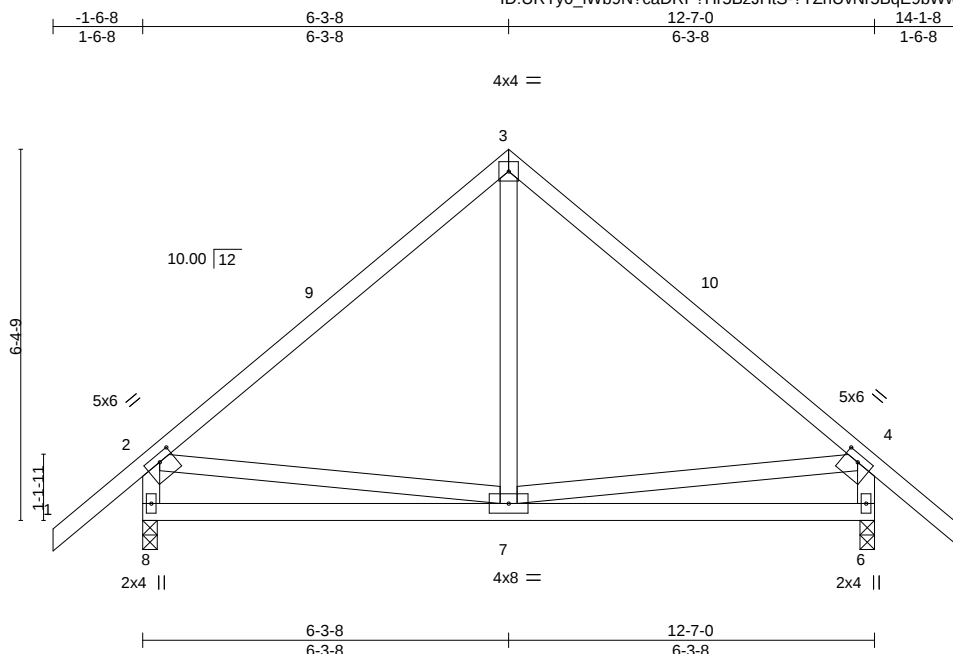
Job 2733931	Truss T07	Truss Type Common	Qty 2	Ply 1	IC CONST. - CAMPBELL RES. T23882355
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8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:16 2021 Page 1

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Scale = 1:39.6

Plate Offsets (X,Y)--		[2:0-3-0,0-1-8], [4:0-3-0,0-1-8]									
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	0.46	Vert(LL)	-0.03 7-8 >999 240	MT20		244/190	
TCDL	7.0	Lumber DOL 1.25		BC	0.33	Vert(CT)	-0.06 7-8 >999 180				
BCLL	0.0 *	Rep Stress Incr YES		WB	0.09	Horz(CT)	0.00 6 n/a n/a				
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS				Weight: 78 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 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 10-0-0 oc bracing.

REACTIONS.

(size) 8=0-3-0, 6=0-3-0
Max Horz 8=-174(LC 10)
Max Uplift 8=-116(LC 12), 6=-116(LC 13)
Max Grav 8=546(LC 1), 6=546(LC 1)

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

TOP CHORD 2-3=-436/148, 3-4=-436/148, 2-8=-492/228, 4-6=-492/228
BOT CHORD 7-8=-203/297

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 6-3-8, Exterior(2R) 6-3-8 to 9-3-8, Interior(1) 9-3-8 to 14-1-8 zone; 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
- 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 100 lb uplift at joint(s) except (jt=lb) 8=116, 6=116.



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Date:

May 11,2021

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



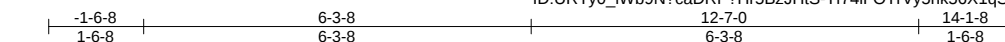
6904 Parke East Blvd.
Tampa, FL 36610

Job 2733931	Truss T07G	Truss Type Common Supported Gable	Qty 1	Ply 1	IC CONST. - CAMPBELL RES. T23882356
Job Reference (optional)					

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

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:17 2021 Page 1

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4x4 =

Scale = 1:37.4

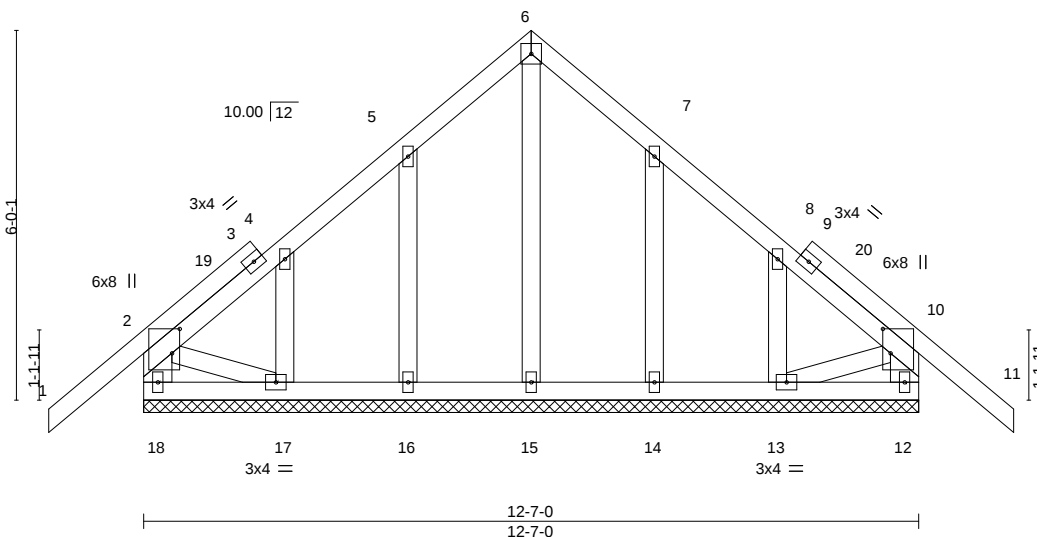


Plate Offsets (X,Y)-- [2:0-4-12,0-1-8], [10:0-4-12,0-1-8]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.02	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 90 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2 *Except*
2-17,10-13: 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.

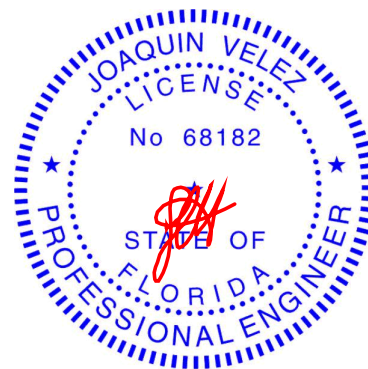
REACTIONS.

All bearings 12-7-0.
(lb) - Max Horz 18=161(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 18, 12, 16, 14 except 17=106(LC 12), 13=103(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 18, 12, 15, 16, 17, 14, 13

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-8 to 1-5-8, Exterior(2N) 1-5-8 to 6-3-8, Corner(3R) 6-3-8 to 9-3-8, Exterior(2N) 9-3-8 to 14-1-8 zone; 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
- 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.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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) 18, 12, 16, 14 except (jt=lb) 17=106, 13=103.



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May 11,2021

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



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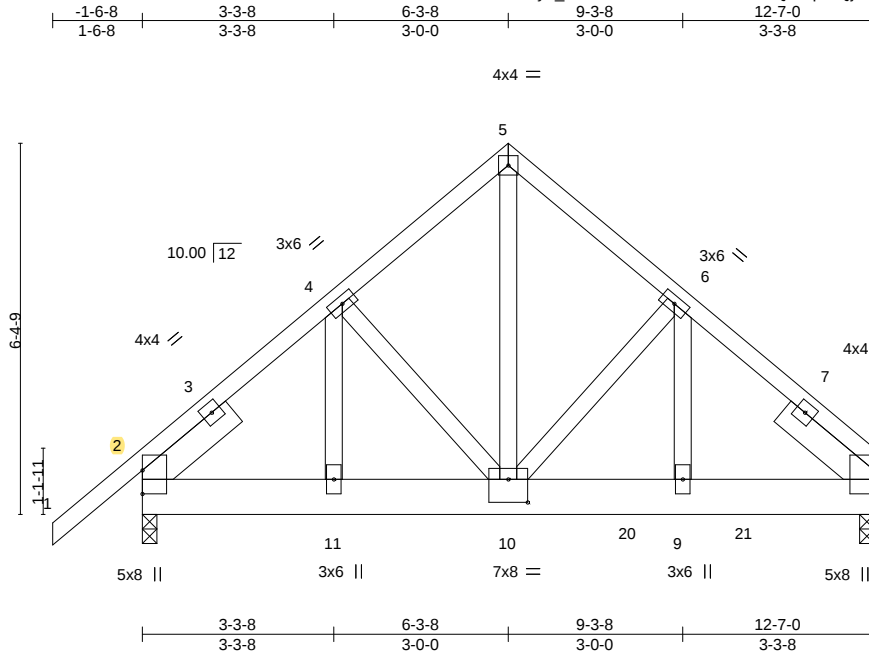
Job 2733931	Truss T08	Truss Type Common Girder	Qty 1	Ply 2	IC CONST. - CAMPBELL RES. Job Reference (optional)	T23882357
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:19 2021 Page 1

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Scale = 1:39.6

Plate Offsets (X,Y)-- [10:0-4-0,0-4-12]											
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	0.21	Vert(LL)	0.03 10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.04 9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.49	Horz(CT)	0.01 8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 210 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x8 SP 2400F 2.0E
 WEBS 2x4 SP No.3
 SLIDER Left 2x6 SP No.2 -t 1-11-8, Right 2x6 SP No.2 -t 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 8=0-3-0, 2=0-3-0
 Max Horz 2=134(LC 24)
 Max Uplift 8=999(LC 9), 2=723(LC 8)
 Max Grav 8=3580(LC 2), 2=1885(LC 1)

FORCES.

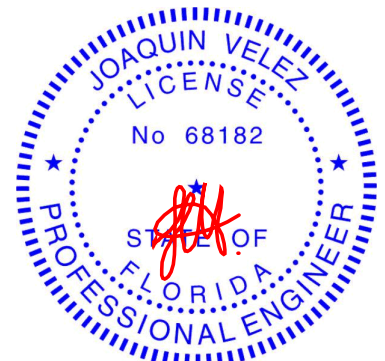
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2029/836, 4-5=-2200/954, 5-6=-2198/951, 6-8=-2822/977
 BOT CHORD 2-11=-633/1519, 10-11=-633/1519, 9-10=-692/2096, 8-9=-692/2096
 WEBS 5-10=-1128/2566, 6-10=-664/137, 6-9=-87/888, 4-10=-249/361, 4-11=-387/174

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: 2x8 - 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 7-16; 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; end vertical left and right exposed; 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 100 lb uplift at joint(s) except (jt=lb) 8=999, 2=723.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1829 lb down and 1063 lb up at 6-4-4, 925 lb down and 173 lb up at 8-4-4, and 925 lb down and 173 lb up at 10-4-4, and 933 lb down and 165 lb up at 12-7-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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



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May 11,2021

Continued on page 2.

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

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.	T23882357
2733931	T08	Common Girder	1	2	Job Reference (optional)	

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

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:19 2021 Page 2
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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-5=-54, 5-8=-54, 12-16=-20

Concentrated Loads (lb)

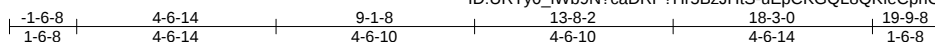
Vert: 10=-1829(B) 12=-819(B) 20=-812(B) 21=-812(B)

Job 2733931	Truss T09	Truss Type Common	Qty 2	Ply 1	IC CONST. - CAMPBELL RES. T23882358
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:20 2021 Page 1

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4x4 =

Scale = 1:52.8

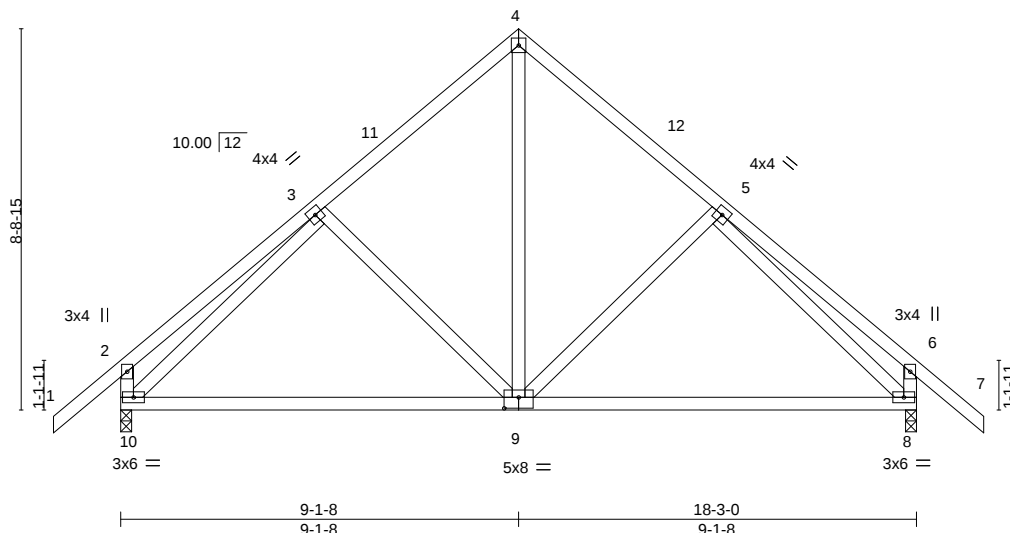


Plate Offsets (X,Y)-- [9:0-4-0,0-3-0]

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 0.41	Vert(LL)	-0.13 9-10	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.76	Vert(CT)	-0.26 9-10	>834	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.41	Horz(CT)	0.01 8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 119 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 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 10-0-0 oc bracing.

REACTIONS.

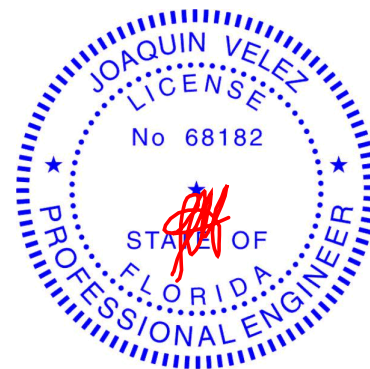
(size) 10=0-3-0, 8=0-3-0
Max Horz 10=226(LC 11)
Max Uplift 10=-155(LC 12), 8=-155(LC 13)
Max Grav 10=756(LC 1), 8=756(LC 1)

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

TOP CHORD 3-4=-570/184, 4-5=-570/184, 2-10=-293/147, 6-8=-293/147
BOT CHORD 9-10=-121/535, 8-9=-44/466
WEBS 4-9=-122/433, 3-10=-545/101, 5-8=-545/101

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 9-1-8, Exterior(2R) 9-1-8 to 12-1-8, Interior(1) 12-1-8 to 19-9-8 zone; 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
- 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 100 lb uplift at joint(s) except (jt=lb) 10=155, 8=155.



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MiTek USA, Inc. FL Cert 6634
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Date:

May 11, 2021

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Job 2733931	Truss T09G	Truss Type Common Supported Gable	Qty 1	Ply 1	IC CONST. - CAMPBELL RES. T23882359
Job Reference (optional)					

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8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:22 2021 Page 1
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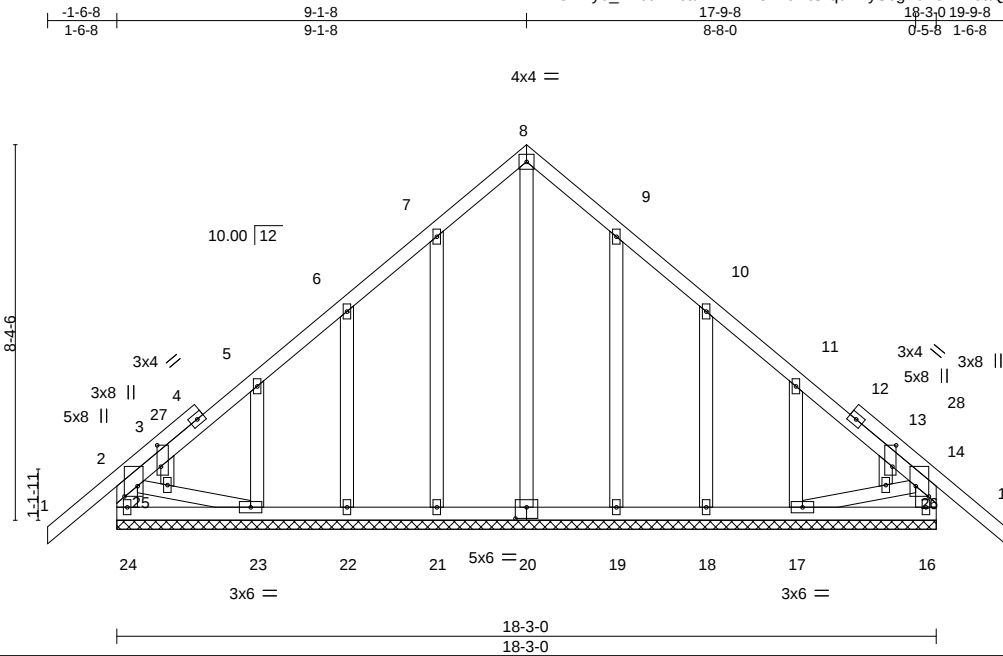


Plate Offsets (X,Y)-- [2:0-2-12,0-3-8], [3:0-5-11,0-1-0], [13:0-5-11,0-1-0], [14:0-2-12,0-3-8], [20:0-3-0,0-3-0]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	-0.01	15	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.02	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 140 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2 *Except*
2-23,14-17: 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 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 23-24,16-17.

REACTIONS.

All bearings 18-3-0.
(lb) - Max Horz 24=-213(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 24, 16, 21, 22, 19, 18 except 23=-136(LC 12), 17=-131(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 24, 16, 20, 21, 22, 23, 19, 18, 17

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-8 to 1-5-8, Exterior(2N) 1-5-8 to 9-1-8, Corner(3R) 9-1-8 to 12-1-8, Exterior(2N) 12-1-8 to 19-9-8 zone; 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
- 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.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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) 24, 16, 21, 22, 19, 18 except (jt=lb) 23=136, 17=131.



Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:

May 11,2021

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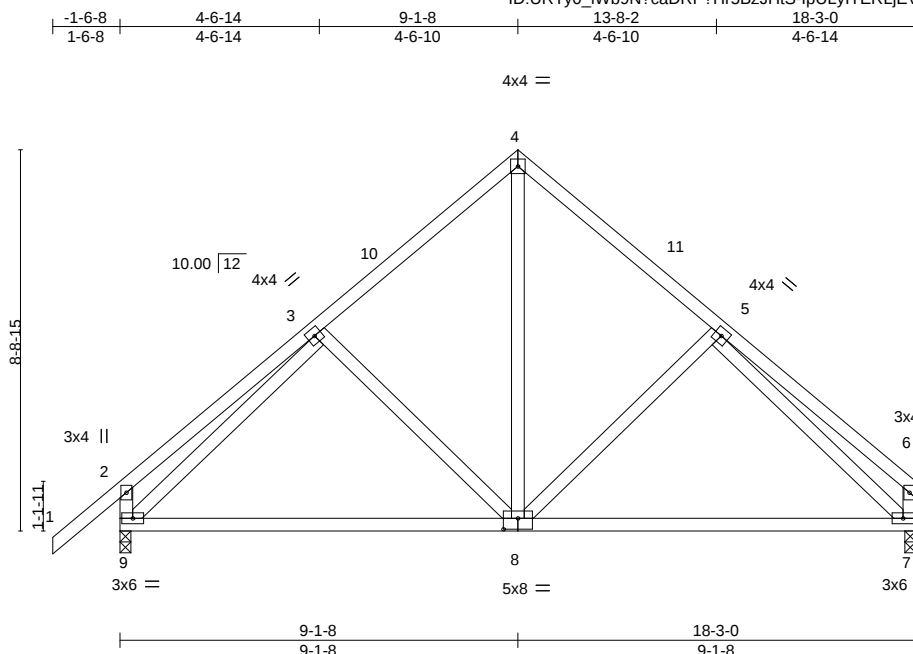
Job 2733931	Truss T10	Truss Type Common	Qty 6	Ply 1	IC CONST. - CAMPBELL RES. T23882360
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:23 2021 Page 1

ID:URTyo0_IWb9N?caDRP?Hr5BzJHtS-IpULyITERLjEVfYGiHxsG4kLYaL5KKGmcHKq3ezlv92



Scale = 1:52.8

Plate Offsets (X,Y)--		[8:0-4-0,0-3-0]							
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.41	in (loc)	l/def	MT20	GRIP
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(LL)	-0.13 8-9 >999		244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Vert(CT)	-0.26 8-9 >834		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Horz(CT)	0.01 7 n/a		
								Weight: 116 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 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 10-0-0 oc bracing.

REACTIONS.

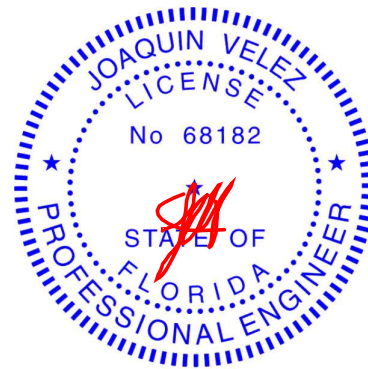
(size) 9=0-3-0, 7=0-3-0
Max Horz 9=215(LC 9)
Max Uplift 9=-155(LC 12), 7=-118(LC 13)
Max Grav 9=760(LC 1), 7=660(LC 1)

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

TOP CHORD 3-4=-576/186, 4-5=-578/188, 2-9=-293/147
BOT CHORD 8-9=-142/522, 7-8=-93/482
WEBS 4-8=-127/436, 3-9=-551/102, 5-7=-524/113

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 9-1-8, Exterior(2R) 9-1-8 to 12-1-8, Interior(1) 12-1-8 to 18-1-4 zone; 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
- 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 100 lb uplift at joint(s) except (jt=lb) 9=155, 7=118.



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

May 11, 2021

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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



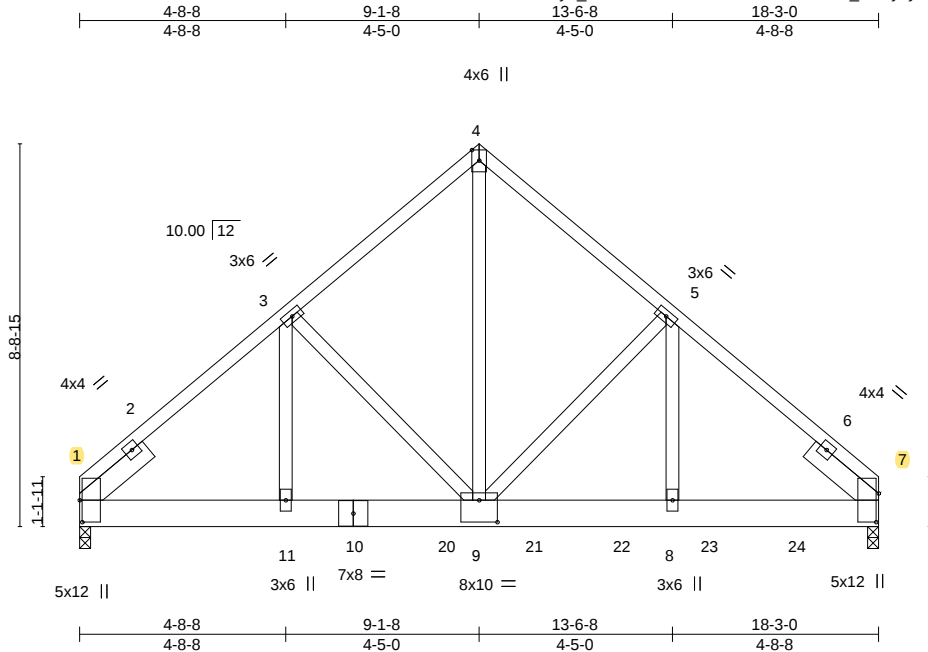
6904 Parke East Blvd.
Tampa, FL 36610

Job 2733931	Truss T11	Truss Type Common Girder	Qty 1	Ply 2	IC CONST. - CAMPBELL RES. T23882361
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:25 2021 Page 1
ID:URTyo0_IWb9N?caDRP?Hr5BzJHtS-ECc5N_UUzyzykzif_izKLVqg6O8lo7A33bpw7Wzlv90



Scale = 1:52.6

Plate Offsets (X,Y)--		[1:0-6-0,0-0-11], [7:0-7-14,0-0-11], [9:0-5-0,0-6-0]	
LOADING (psf)	SPACING-	CSI.	DEFL.
TCLL 20.0	Plate Grip DOL 1.25	TC 0.47	in (loc) l/def L/d
TCDL 7.0	Lumber DOL 1.25	BC 0.30	Vert(LL) -0.07 9-11 >999 240
BCLL 0.0 *	Rep Stress Incr NO	WB 0.83	Vert(CT) -0.12 9-11 >999 180
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS	Horz(CT) 0.02 7 n/a n/a
		Weight: 286 lb FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -t 1-11-8, Right 2x6 SP No.2 -t 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-3-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 1=0-3-0, 7=0-3-0
Max Horz 1=167(LC 5)
Max Uplift 1=-1205(LC 8), 7=-1310(LC 9)
Max Grav 1=3315(LC 2), 7=4994(LC 2)

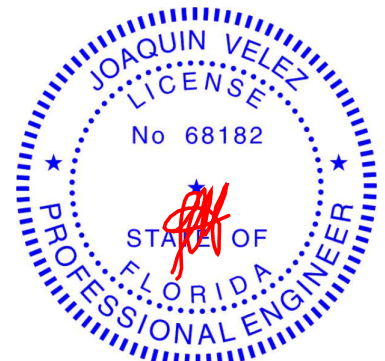
FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-4256/1628, 3-4=-3650/1279, 4-5=-3652/1281, 5-7=-4770/1363
BOT CHORD 1-11=-1260/3188, 9-11=-1260/3188, 8-9=-985/3592, 7-8=-985/3592
WEBS 4-9=-1516/4379, 5-9=-1182/285, 5-8=-178/1453, 3-9=-702/565, 3-11=-561/794

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: 2x8 - 2 rows staggered at 0-5-0 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 7-16; 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; end vertical left and right exposed; 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 100 lb uplift at joint(s) except (jt=lb) 1=1205, 7=1310.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 732 lb down and 151 lb up at 18-3-0 on top chord, and 1924 lb down and 1174 lb up at 6-4-4, 935 lb down and 213 lb up at 8-4-4, 935 lb down and 213 lb up at 10-4-4, 935 lb down and 213 lb up at 12-4-4, and 932 lb down and 212 lb up at 14-4-4, and 932 lb down and 212 lb up at 16-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard



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

May 11, 2021

Continued on page 2.

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.	T23882361
2733931	T11	Common Girder	1	2	Job Reference (optional)	

- LOAD CASE(S)**
Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-4=-54, 4-7=-54, 12-16=-20
- Concentrated Loads (lb)
- Vert: 7=-708 10=-1924(F) 20=-812(F) 21=-812(F) 22=-812(F) 23=-809(F) 24=-809(F)



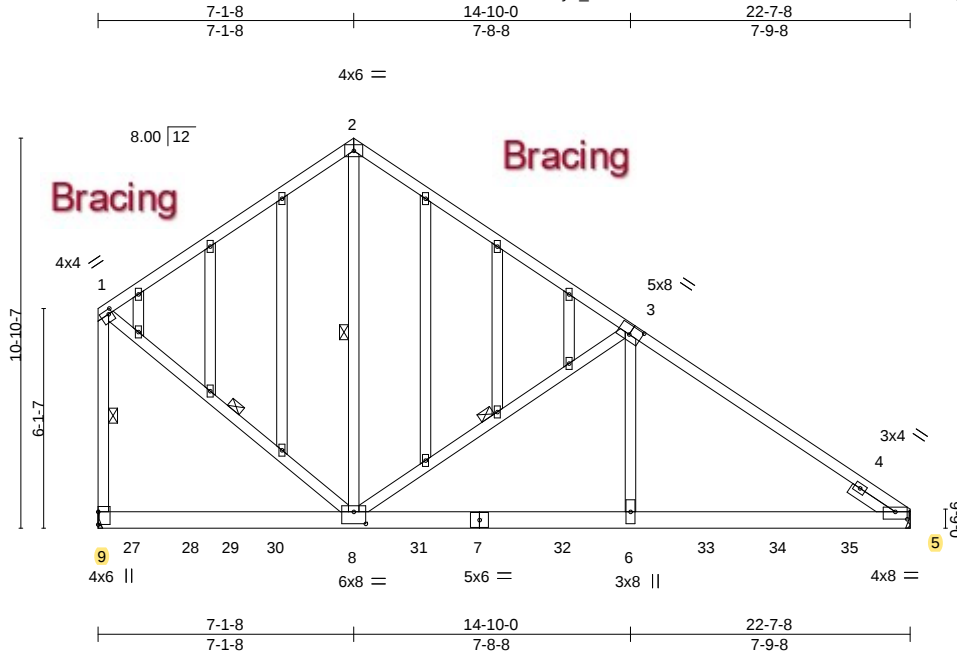
6904 Parke East Blvd
Tampa, FL 36610

Job 2733931	Truss T12G	Truss Type GABLE	Qty 1	Ply 1	IC CONST. - CAMPBELL RES. T23882363
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:28 2021 Page 1
ID:URTyo0_IWb9N?caDRP?Hr5BzJHtS-fnIE??XMGtLXbRREggW1z8S4lb_7?XqVIY1bjrzlv8z



Scale: 3/16"=1'

Plate Offsets (X,Y)--		[1:0-1-4,0-1-8], [3:0-4-0,0-3-0], [5:0-4-0,0-2-7], [8:0-4-0,0-4-0]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.95
TCDL 7.0	Lumber DOL	1.25	BC 0.96
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.65
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) 0.19 6-23 >999 240
			Vert(CT) -0.21 6-23 >999 180
			Horz(CT) 0.03 5 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 193 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Right 2x4 SP No.3 - t 1-5-0

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-5-2 oc bracing.
WEBS 1 Row at midpt 2-8, 3-8, 1-9, 1-8

REACTIONS.

(size) 9=Mechanical, 5=Mechanical
Max Horz 9=-263(LC 9)
Max Uplift 9=-1154(LC 9), 5=-1043(LC 9)
Max Grav 9=2143(LC 34), 5=2022(LC 34)

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

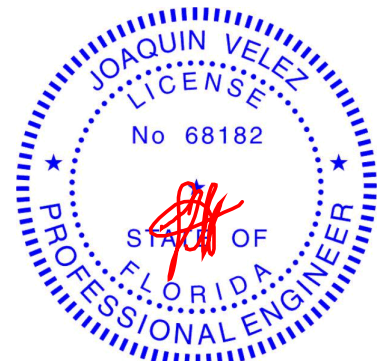
TOP CHORD 1-2=-1350/758, 2-3=-1351/741, 3-5=-2654/1390, 1-9=-1698/913
BOT CHORD 8-9=-180/267, 6-8=-1064/2154, 5-6=-1058/2145
WEBS 2-8=-671/1064, 3-8=-1464/910, 3-6=-661/1140, 1-8=-731/1367

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 9=1154, 5=1043.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 208 lb down and 180 lb up at 0-10-6, 206 lb down and 182 lb up at 2-10-6, 206 lb down and 182 lb up at 4-10-6, 206 lb down and 182 lb up at 6-10-6, 206 lb down and 182 lb up at 8-10-6, 206 lb down and 182 lb up at 10-10-6, 206 lb down and 182 lb up at 12-10-6, 206 lb down and 182 lb up at 14-10-6, 206 lb down and 182 lb up at 16-10-6, and 206 lb down and 182 lb up at 18-10-6, and 206 lb down and 182 lb up at 20-10-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2



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

May 11,2021

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.	T23882363
2733931	T12G	GABLE	1	1	Job Reference (optional)	

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

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:28 2021 Page 2
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LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
 - Vert: 1-2=-54, 2-24=-54, 5-9=-20
- Concentrated Loads (lb)
 - Vert: 7=-194(F) 8=-194(F) 6=-194(F) 27=-196(F) 29=-194(F) 30=-194(F) 31=-194(F) 32=-194(F) 33=-194(F) 34=-194(F) 35=-194(F)

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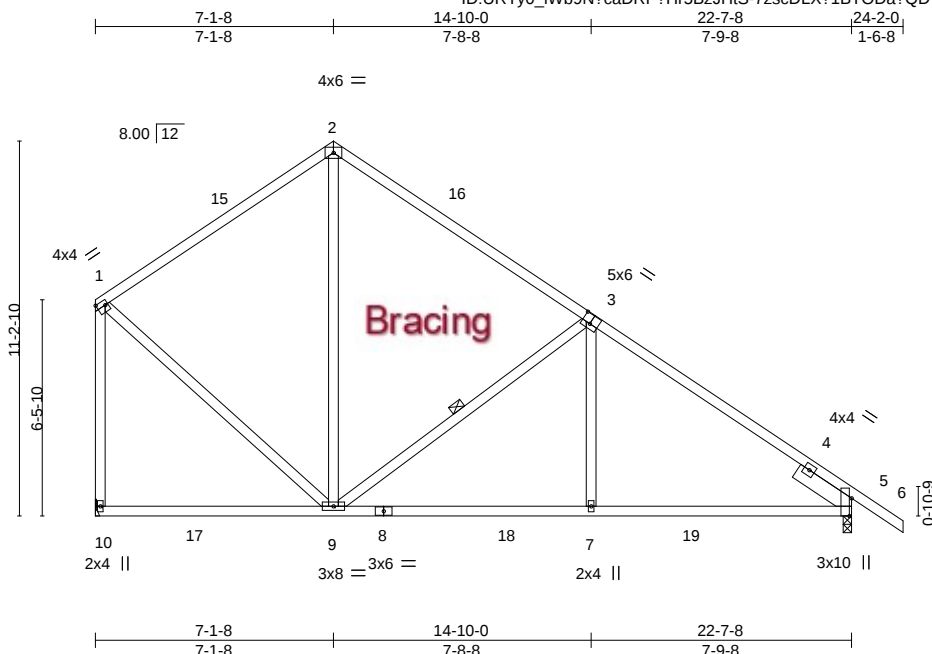
Job 2733931	Truss T13	Truss Type Common	Qty 2	Ply 1	IC CONST. - CAMPBELL RES. T23882364
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:29 2021 Page 1

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Scale = 1:68.9

Plate Offsets (X,Y)--	[1:Edge,0-1-12], [3:0-3-0,0-3-4], [5:0-6-6,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 0.82	Vert(LL)	-0.09	9-10	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.60	Vert(CT)	-0.15	9-10	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.33	Horz(CT)	0.02	5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 142 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 + t 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-9

REACTIONS.

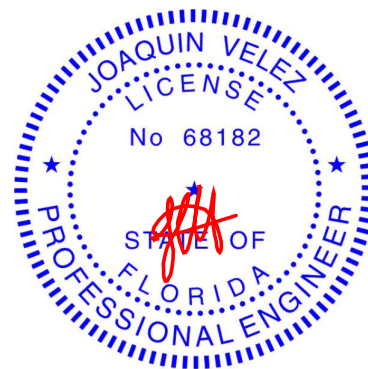
(size) 10=Mechanical, 5=0-3-0
Max Horz 10=-295(LC 13)
Max Uplift 10=-192(LC 13), 5=-186(LC 13)
Max Grav 10=996(LC 20), 5=1073(LC 20)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-652/182, 2-3=-651/171, 3-5=-1171/194, 1-10=-862/208
BOT CHORD 9-10=-178/291, 7-9=-39/934, 5-7=-39/932
WEBS 2-9=-33/326, 3-9=-704/286, 3-7=0/392, 1-9=-124/641

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; 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 Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 7-1-8, Exterior(2R) 7-1-8 to 10-1-8, Interior(1) 10-1-8 to 24-2-0 zone; end vertical 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, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=192, 5=186.



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

May 11,2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job 2733931	Truss T14	Truss Type Piggyback Base	Qty 12	Ply 1	IC CONST. - CAMPBELL RES. T23882365
Job Reference (optional)					

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

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:30 2021 Page 1

ID:URTyo0_IWb9N?caDRP?Hr5BzJHtS-b9Q_QhYdoUbFrkacnFV2ZVxPnoTTVoDsWhnkzlv8x

1-6-0	4-9-0	8-8-0	12-3-8	19-1-8	24-2-8	29-3-2	34-8-0	38-7-0	43-4-0	44-10-0
1-6-0	4-9-0	3-11-0	3-7-8	6-10-0	5-1-0	5-0-10	5-4-14	3-11-0	4-9-0	1-6-0

Scale = 1:79.3

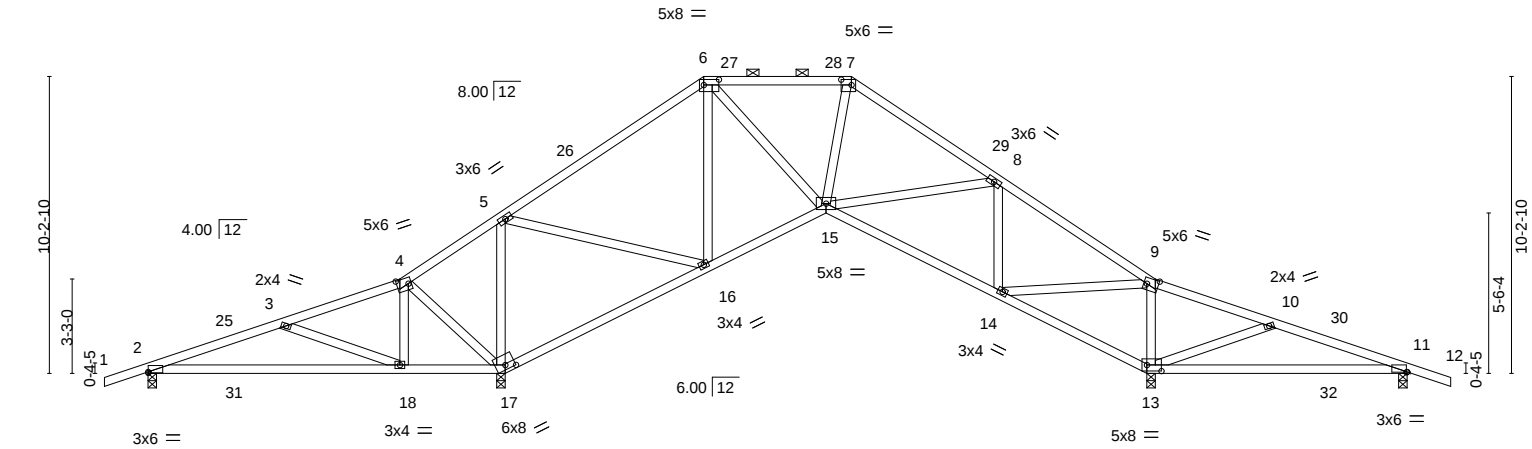


Plate Offsets (X, Y)--		8-8-0	12-1-12	12-3-8	19-1-8	23-4-0	29-3-2	34-4-8	34-6-4	43-4-0
		8-8-0	3-5-12	0-1-12	6-10-0	4-2-8	5-11-2	5-1-6	0-1-12	8-9-12
		[2:0-0-1,0-0-6], [4:0-4-12,0-2-8], [6:0-6-4,0-2-4], [7:0-4-4,0-2-4], [9:0-4-12,0-2-8], [11:0-0-5,0-0-2], [13:0-6-0,0-2-8], [17:0-4-0,0-1-15]								
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.59	in (loc)	l/defl	L/d	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(LL)	0.30 13-24	>355		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Vert(CT)	-0.30 13-24	>362		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Horz(CT)	0.05 13	n/a		
								Weight: 237 lb		FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 15-16,14-15.

REACTIONS.

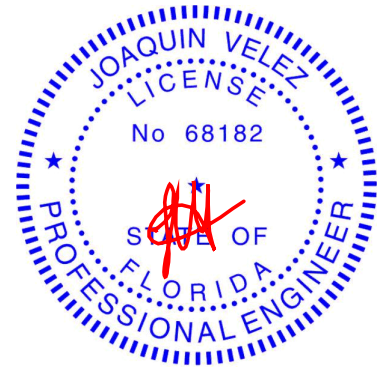
All bearings 0-3-8.
(lb) - Max Horz 2=-154(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-260(LC 8), 17=-332(LC 12), 11=-226(LC 9), 13=-266(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=355(LC 23), 17=1525(LC 1), 11=256(LC 24), 13=1263(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-317/455, 3-4=-84/310, 4-5=-250/603, 5-6=-457/81, 6-7=-560/71, 7-8=-736/53, 8-9=-583/118, 9-10=-30/505, 10-11=-6/294
BOT CHORD 2-18=-408/293, 16-17=-545/398, 15-16=0/423, 14-15=0/537, 13-14=-608/168, 11-13=-256/1
WEBS 3-18=-454/361, 4-18=-496/358, 4-17=-336/539, 5-17=-1015/363, 5-16=-96/770, 6-16=-422/109, 6-15=0/422, 8-14=-420/104, 9-14=-55/941, 9-13=-717/182, 10-13=-460/396

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-10-0, Interior(1) 2-10-0 to 19-1-8, Exterior(2R) 19-1-8 to 23-5-8, Interior(1) 23-5-8 to 24-2-8, Exterior(2R) 24-2-8 to 28-6-8, Interior(1) 28-6-8 to 44-10-0 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.
- 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 260 lb uplift at joint 2, 332 lb uplift at joint 17, 226 lb uplift at joint 11 and 266 lb uplift at joint 13.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

May 11,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.	T23882366
2733931	T14G	GABLE	1	1	Job Reference (optional)	

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

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:32 2021 Page 1
ID:URTyo0_Wb9N?caDRP?Hr5BzJHtS-XYXkrNatJ6ry42k?vghz7zcrDDVZxNQ4gA?oscZlv8v

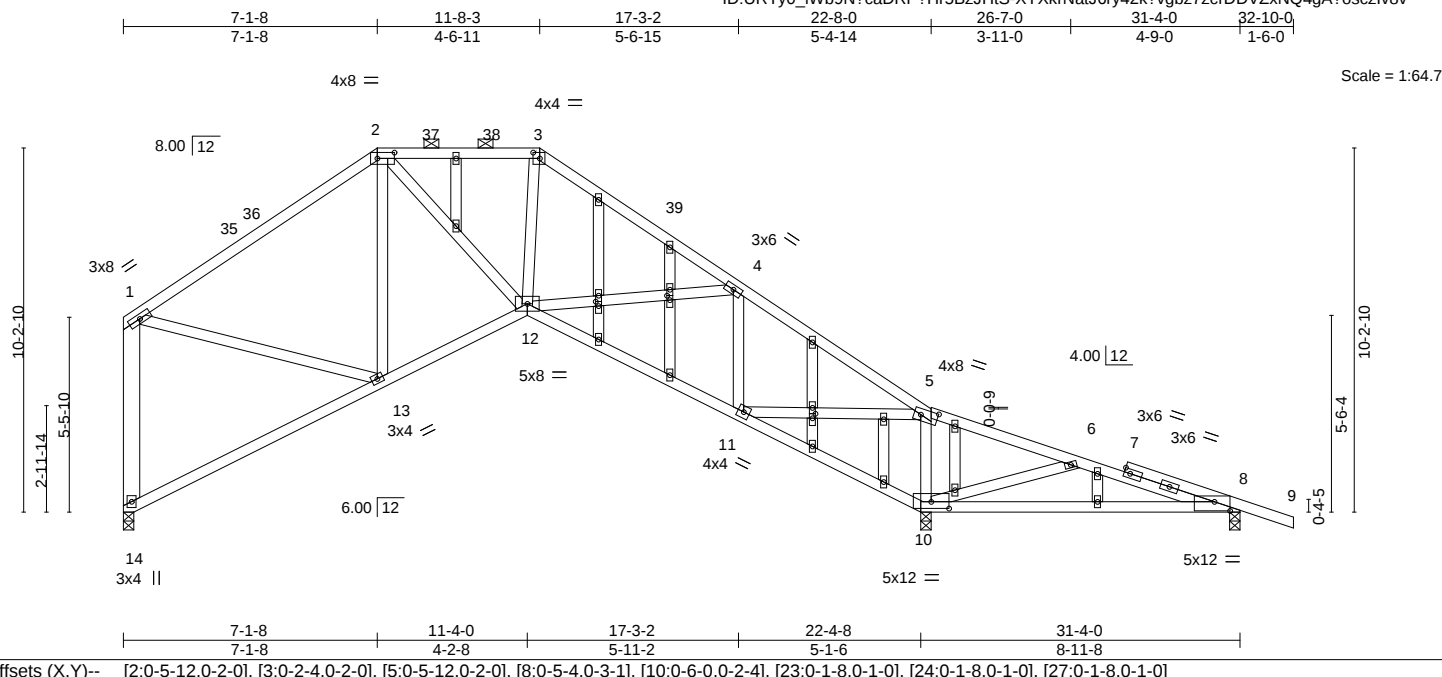


Plate Offsets (X,Y)--										[2:0-5-12,0-2-0], [3:0-2-4,0-2-0], [5:0-5-12,0-2-0], [8:0-5-4,0-3-1], [10:0-6-0,0-2-4], [23:0-1-8,0-1-0], [24:0-1-8,0-1-0], [27:0-1-8,0-1-0]									
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.60	Vert(LL)	0.19	10-34	>565	240				MT20	244/190		
TCDL	7.0	Lumber DOL		1.25		BC	0.42	Vert(CT)	-0.18	10-34	>597	180							
BCLL	0.0 *	Rep Stress Incr		YES		WB	0.48	Horz(CT)	0.08	10	n/a	n/a							
BCDL	10.0	Code FBC2020/TPI2014				Matrix-MS										Weight: 212 lb	FT = 20%		

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-14: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-10-10 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

(size) 8=0-3-8, 14=0-3-8, 10=0-3-8
Max Horz 14=-264(LC 13)
Max Uplift 8=-218(LC 9), 14=-134(LC 13), 10=-240(LC 13)
Max Grav 8=238(LC 24), 14=741(LC 1), 10=1413(LC 1)

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

TOP CHORD 1-2=-770/140, 2-3=-844/130, 3-4=-1082/101, 4-5=-770/94, 5-6=-182/650, 6-8=0/298, 1-14=-691/162
BOT CHORD 13-14=-84/297, 12-13=0/700, 11-12=0/697, 10-11=-782/317
WEBS 2-13=-259/45, 2-12=0/447, 3-12=-7/361, 4-12=-76/347, 4-11=-526/158, 5-11=-184/1264, 5-10=-822/184, 6-10=-496/487, 1-13=-5/535

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-2-12 to 3-4-6, Interior(1) 3-4-6 to 7-1-8, Exterior(2R) 7-1-8 to 10-3-1, Interior(1) 10-3-1 to 11-8-3, Exterior(2R) 11-8-3 to 14-9-13, Interior(1) 14-9-13 to 32-10-0 zone; porch 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.
- Provide adequate drainage to prevent water ponding.
- 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.
- Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 218 lb uplift at joint 8, 134 lb uplift at joint 14 and 240 lb uplift at joint 10.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

May 11,2021

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Tampa, FL 36610

Job 2733931	Truss T15	Truss Type Piggyback Base	Qty 7	Ply 1	IC CONST. - CAMPBELL RES. T23882367
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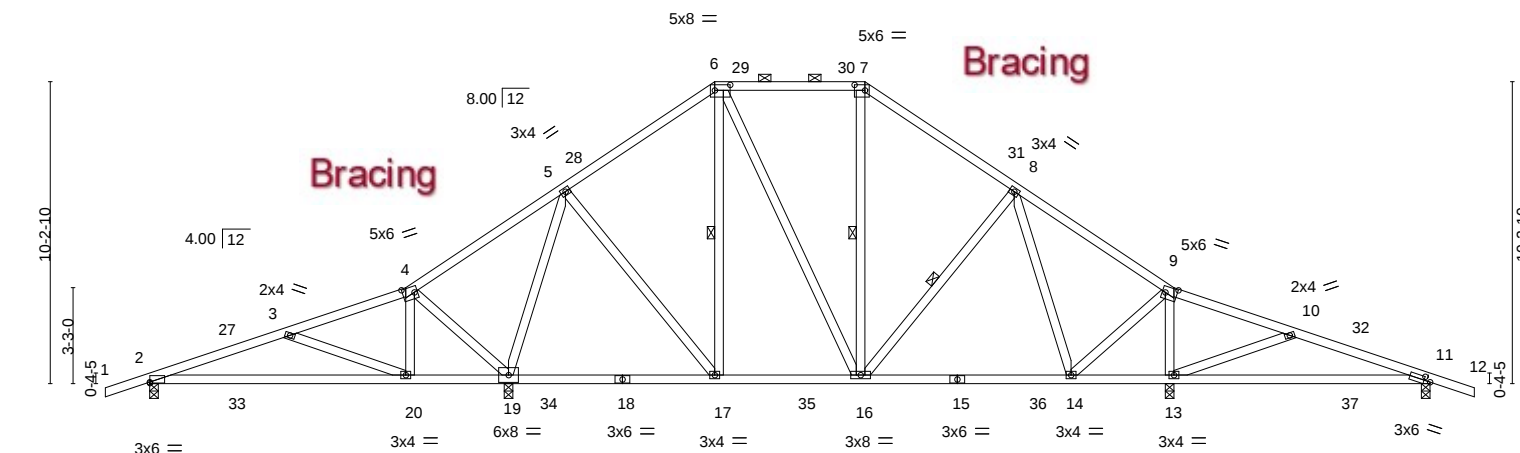
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:33 2021 Page 1

ID:URTy0_IWb9N?caDRP?Hr5BzJHtS-0k573jbV4PzpiCJBSO6CgB91_cpNgikEvqILO3zlv8u

1-6-0	4-9-0	8-8-0	14-0-14	19-1-8	24-2-8	29-3-2	34-8-0	38-7-0	43-4-0	44-10-0
1-6-0	4-9-0	3-11-0	5-4-14	5-0-10	5-1-0	5-0-10	5-4-14	3-11-0	4-9-0	1-6-0

Scale = 1:78.0



	8-8-0	12-1-12	19-1-8	24-2-8	31-2-4	34-8-0	43-4-0
	8-8-0	3-5-12	6-11-12	5-1-0	6-11-12	3-5-12	8-8-0

Plate Offsets (X,Y)--		[2:0-0-1,0-0-6], [4:0-4-12,0-2-8], [6:0-6-4,0-2-4], [7:0-4-4,0-2-4], [9:0-4-12,0-2-8], [11:0-2-9,0-1-8]					
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	in (loc)	l/defl
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(LL)	>664
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Vert(CT)	0.18 13-26
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Horz(CT)	0.01 13 n/a
						PLATES	GRIP
						MT20	244/190
						Weight: 264 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-0-13 oc bracing: 2-20
6-0-0 oc bracing: 13-14.
WEBS 1 Row at midpt 6-17, 7-16, 8-16

REACTIONS.

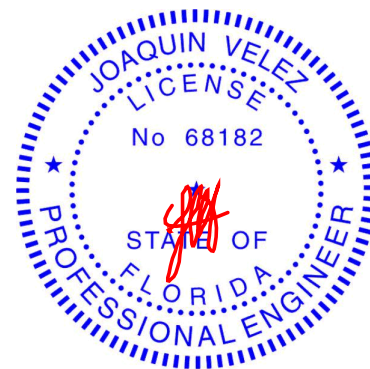
All bearings 0-3-8.
(lb) - Max Horz 2=-154(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-245(LC 8), 19=-328(LC 12), 13=-276(LC 13), 11=-200(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 2=432(LC 25), 19=1582(LC 2), 13=1336(LC 2), 11=334(LC 26)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-523/458, 4-5=-249/419, 5-6=-504/188, 6-7=-448/236, 7-8=-595/225, 8-9=-506/113
BOT CHORD 2-20=-407/508, 16-17=0/437, 14-16=0/509
WEBS 3-20=-420/340, 4-20=-495/350, 4-19=-497/608, 5-19=-1104/483, 5-17=-107/492, 8-14=-373/175, 9-14=-92/772, 9-13=-975/248, 10-13=-430/353

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-10-0, Interior(1) 2-10-0 to 19-1-8, Exterior(2R) 19-1-8 to 23-5-8, Interior(1) 23-5-8 to 24-2-8, Exterior(2R) 24-2-8 to 28-6-8, Interior(1) 28-6-8 to 44-10-0 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.
- 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 245 lb uplift at joint 2, 328 lb uplift at joint 19, 276 lb uplift at joint 13 and 200 lb uplift at joint 11.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

May 11, 2021

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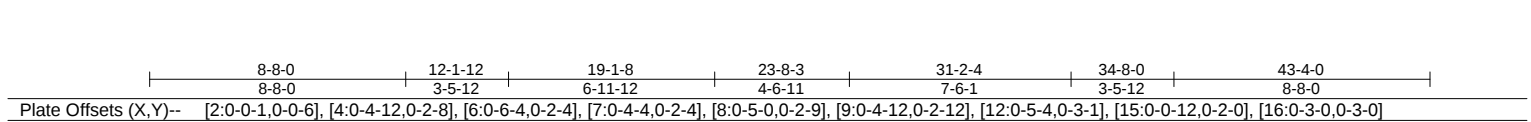
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ID:URTy0_Iwb9N?caDRP?Hr5BzJHIS-QJnFhkdkONKMOZf2m8WgvHpnYyqqYt3dgb0z0?Nzlv8r

Task	Start Date	End Date
1-6-0	1-6-0	4-9-0
4-9-0	4-9-0	8-8-0
8-8-0	8-8-0	14-0-14
14-0-14	14-0-14	19-1-8
19-1-8	19-1-8	23-8-3
23-8-3	23-8-3	29-3-2
29-3-2	29-3-2	34-8-0
34-8-0	34-8-0	38-7-0
38-7-0	38-7-0	43-4-0
43-4-0	43-4-0	44-10-0
44-10-0	44-10-0	1-6-0

Scale = 1:78.0



LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-1-7 oc bracing: 2-21
WEBS	2x4 SP No.3		6-0-0 oc bracing: 14-15.
OTHERS	2x4 SP No.3	WEBS	1 Row at midpt 6-18, 7-17, 8-17

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

TOP CHORD 2-3=-521/453, 4-5=-253/421, 5-6=-504/189, 6-7=-448/213, 7-8=-599/205, 8-9=-527/111,
9-10=-184/337

BOT CHORD 2-21=-402/506, 17-18=0/430, 15-17=0/524, 14-15=-355/265

WEBS 3-21=-420/340, 4-21=-495/349, 4-20=-495/607, 5-20=-1093/479, 5-18=-92/483,
6-17=-94/253, 8-15=-376/209, 9-15=-149/884, 9-14=-1042/253, 10-14=-491/437



Joaquin Velez PE No.68182
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Job 2733931	Truss T16	Truss Type Common	Qty 2	Ply 1	IC CONST. - CAMPBELL RES. T23882369
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:37 2021 Page 1

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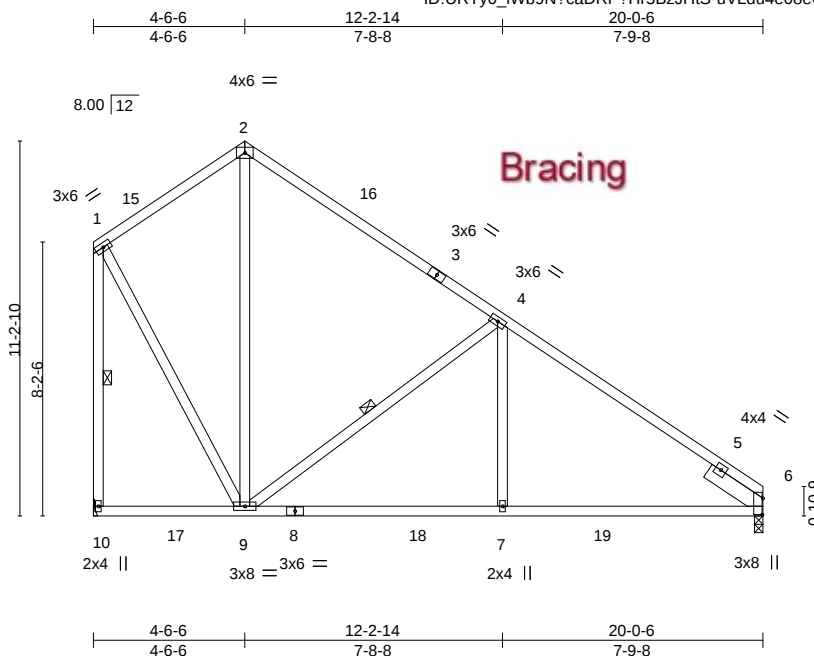


Plate Offsets (X,Y)-- [6:0-5-14,0-0-5]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP			
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.08 7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.15 7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.03 6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 133 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 + t 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-7-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-9, 1-10

REACTIONS.

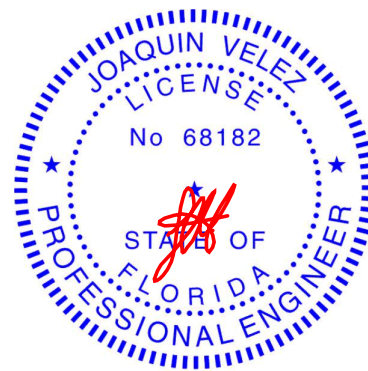
(size) 10=Mechanical, 6=0-3-0
Max Horz 10=-299(LC 13)
Max Uplift 10=-216(LC 13), 6=-116(LC 13)
Max Grav 10=915(LC 20), 6=885(LC 20)

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

TOP CHORD 1-2=-402/130, 2-4=-461/110, 4-6=-906/138, 1-10=-842/221
BOT CHORD 9-10=-156/298, 7-9=-23/796, 6-7=-23/796
WEBS 4-9=-739/295, 4-7=0/411, 1-9=-161/660

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-6-6, Exterior(2R) 4-6-6 to 7-6-6, Interior(1) 7-6-6 to 20-0-6 zone; end vertical 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, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 216 lb uplift at joint 10 and 116 lb uplift at joint 6.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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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	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.
2733931	T16G	GABLE	1	1	T23882370

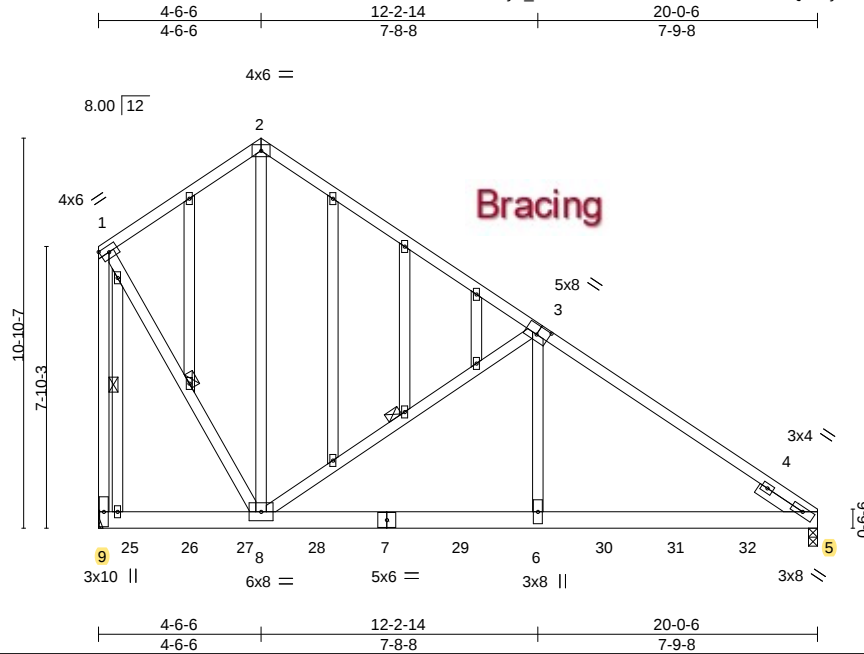
Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:38 2021 Page 1

ID:URTy0_IWb9N?caDRP?Hr5BzJHtS-Miu06Qeevyc6ozC9FxiNNEsqTdRuL0fz26S63Gzlv8p

Job Reference (optional)



Scale: 3/16\"=1'

Plate Offsets (X,Y)-- [3:0-4-0,0-3-0]											
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	0.75	Vert(LL)	0.16 6-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.18 6-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.82	Horz(CT)	0.03 5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 184 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3
 SLIDER Right 2x4 SP No.3 -t 1-5-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-4-5 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-5-4 oc bracing.
 WEBS 1 Row at midpt 3-8, 1-9, 1-8

REACTIONS.

(size) 9=Mechanical, 5=0-3-0
 Max Horz 9=-296(LC 28)
 Max Uplift 9=-1080(LC 9), 5=-859(LC 9)
 Max Grav 9=1740(LC 34), 5=1591(LC 1)

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

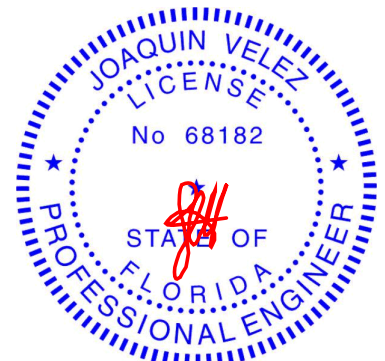
TOP CHORD 1-2=-776/490, 2-3=-853/466, 3-5=-2058/1107, 1-9=-1523/927
 BOT CHORD 8-9=-157/297, 6-8=-830/1662, 5-6=-825/1655
 WEBS 2-8=-394/527, 3-8=-1339/904, 3-6=-654/1002, 1-8=-749/1220

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical right exposed; 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1080 lb uplift at joint 9 and 859 lb uplift at joint 5.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 190 lb down and 168 lb up at 0-9-10, 187 lb down and 171 lb up at 2-5-10, 194 lb down and 176 lb up at 4-0-2, 194 lb down and 176 lb up at 6-0-2, 194 lb down and 176 lb up at 8-0-2, 194 lb down and 176 lb up at 10-0-2, 194 lb down and 176 lb up at 12-0-2, 194 lb down and 176 lb up at 14-0-2, and 194 lb down and 176 lb up at 16-0-2, and 194 lb down and 176 lb up at 18-0-2 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2



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

May 11,2021

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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	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.	T23882370
2733931	T16G	GABLE	1	1	Job Reference (optional)	

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

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:38 2021 Page 2
ID:URTy0_IWb9N?caDRP?Hr5BzJHtS-Miu06Qeevyc6ozC9FxiNNEsqTdRuL0fz26S63Gzlv8p

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
 - Vert: 1-2=-54, 2-22=-54, 5-9=-20
- Concentrated Loads (lb)
 - Vert: 7=-188(B) 6=-188(B) 25=-177(B) 26=-174(B) 27=-188(B) 28=-188(B) 29=-188(B) 30=-188(B) 31=-188(B) 32=-188(B)



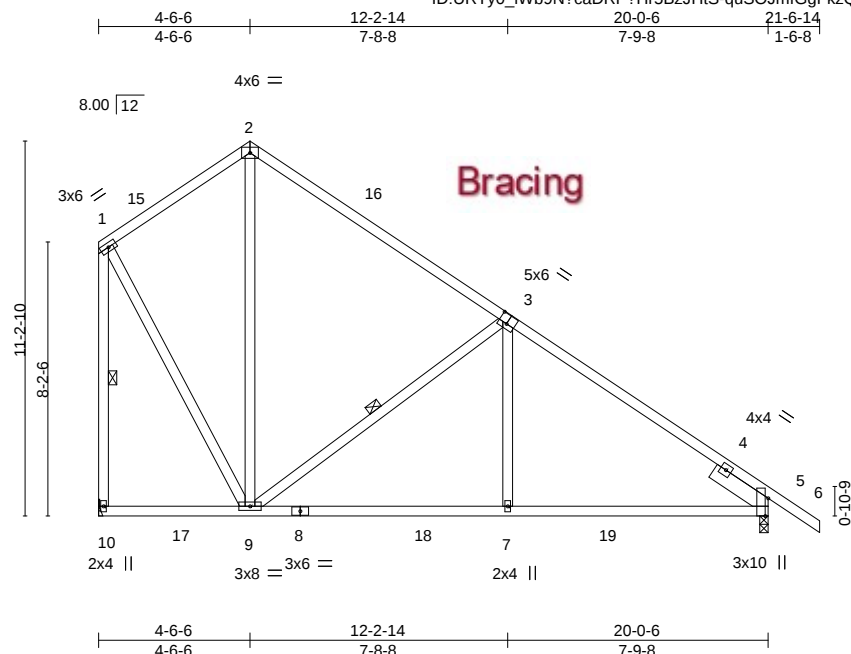
Job 2733931	Truss T17	Truss Type Common	Qty 3	Ply 1	IC CONST. - CAMPBELL RES. T23882371
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:39 2021 Page 1

ID:URTy0_IWb9N?caDRP?Hr5BzJHtS-quSOJmfGgFkzQ7mLpeDcvSP171qK4aJ6HmCgcizlv8o



Scale = 1:68.9

Plate Offsets (X,Y)--		[3:0-3-0,0-3-4], [5:0-6-6,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	0.63	Vert(LL)	-0.08 7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.15 7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.02 5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 136 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 + 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-9, 1-10

REACTIONS.

(size) 10=Mechanical, 5=0-3-0
Max Horz 10=-329(LC 13)
Max Uplift 10=-215(LC 13), 5=-150(LC 13)
Max Grav 10=912(LC 20), 5=964(LC 20)

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

TOP CHORD 1-2=-401/129, 2-3=-461/109, 3-5=-986/135, 1-10=-840/220
BOT CHORD 9-10=-164/328, 7-9=0/796, 5-7=0/794
WEBS 3-9=-731/291, 3-7=0/409, 1-9=-161/659

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-6-6, Exterior(2R) 4-6-6 to 7-6-6, Interior(1) 7-6-6 to 21-6-14 zone; end vertical 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, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 10 and 150 lb uplift at joint 5.



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

May 11,2021

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



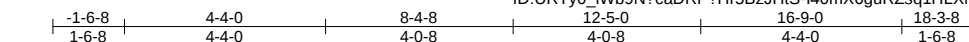
6904 Parke East Blvd.
Tampa, FL 36610

Job 2733931	Truss T18	Truss Type Scissor	Qty 2	Ply 1	IC CONST. - CAMPBELL RES. T23882372
Job Reference (optional)					

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

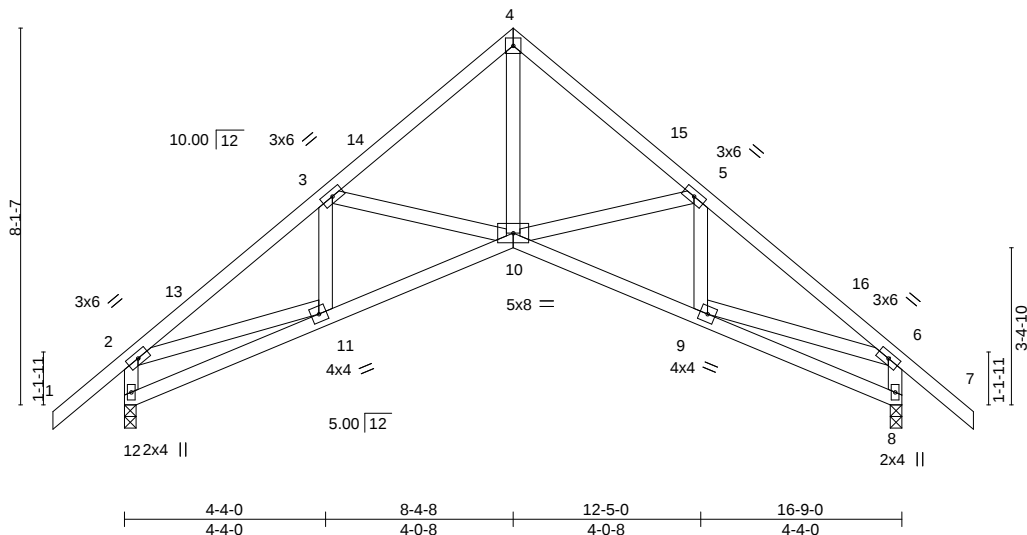
8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:40 2021 Page 1

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4x4 =

Scale = 1:49.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.18	Vert(LL)	-0.03 10	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.23	Vert(CT)	-0.06 10-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.28	Horz(CT)	0.06 8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 106 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-9-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

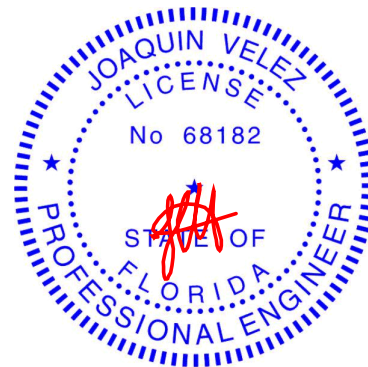
(size) 12=0-3-0, 8=0-3-0
Max Horz 12=-213(LC 10)
Max Uplift 12=-144(LC 12), 8=-144(LC 13)
Max Grav 12=700(LC 1), 8=700(LC 1)

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

TOP CHORD 2-3=-1003/197, 3-4=-811/141, 4-5=-811/167, 5-6=-1003/158, 2-12=-673/198, 6-8=-673/187
BOT CHORD 11-12=-198/268, 10-11=-166/899, 9-10=-50/784
WEBS 4-10=-117/763, 2-11=-47/686, 6-9=-43/686

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 8-4-8, Exterior(2R) 8-4-8 to 11-4-8, Interior(1) 11-4-8 to 18-3-8 zone; 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
- 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.
- Bearing at joint(s) 12, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 12 and 144 lb uplift at joint 8.



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

May 11, 2021

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



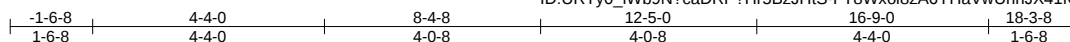
6904 Parke East Blvd.
Tampa, FL 33610

Job 2733931	Truss T18G	Truss Type GABLE	Qty 1	Ply 1	IC CONST. - CAMPBELL RES. T23882373
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:42 2021 Page 1

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4x4 =

Scale = 1:43.1

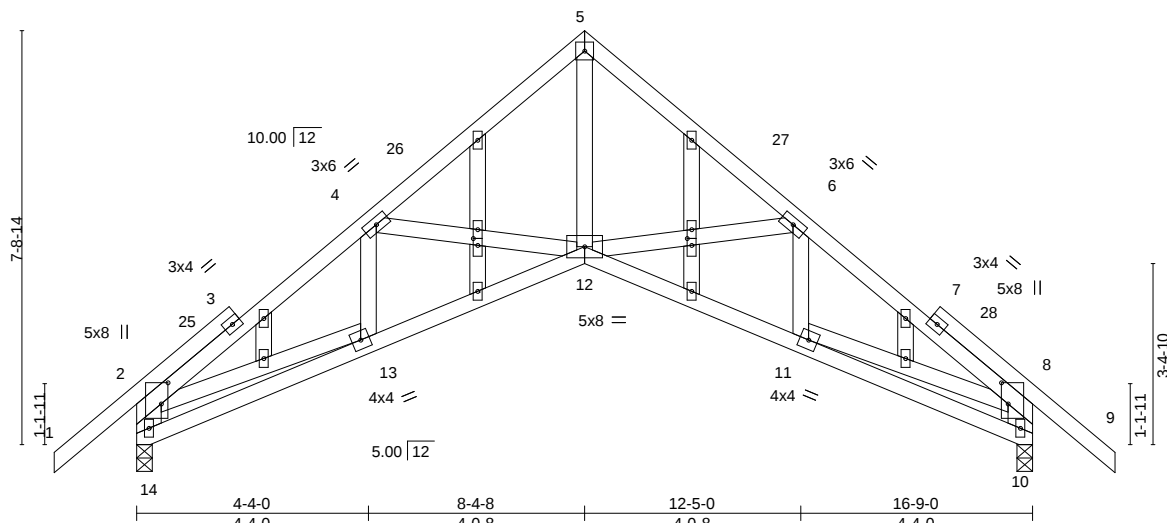


Plate Offsets (X,Y)-- [2:0-4-12,0-1-8], [8:0-4-12,0-1-8], [15:0-1-9,0-1-0], [22:0-1-9,0-1-0]

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 0.19	Vert(LL)	-0.03 12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.24	Vert(CT)	-0.07 12-13	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.31	Horz(CT)	0.07 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						
								Weight: 122 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-14,8-10: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-7-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

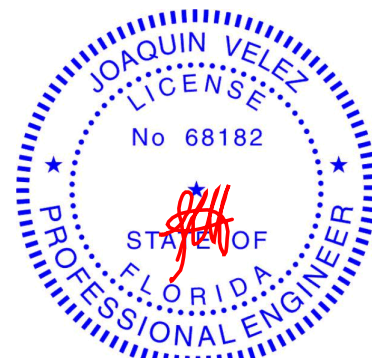
(size) 14=0-3-8, 10=0-3-8
Max Horz 14=-200(LC 10)
Max Uplift 14=-147(LC 12), 10=-147(LC 13)
Max Grav 14=698(LC 1), 10=698(LC 1)

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

TOP CHORD 2-4=-1104/217, 4-5=-862/141, 5-6=-862/167, 6-8=-1104/168, 2-14=-733/212, 8-10=-733/196
BOT CHORD 13-14=-181/362, 12-13=-191/988, 11-12=-67/880, 10-11=-37/258
WEBS 5-12=-115/822, 6-12=-255/194, 2-13=-43/627, 8-11=-35/627

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 8-4-8, Exterior(2R) 8-4-8 to 11-4-8, Interior(1) 11-4-8 to 18-3-8 zone; 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
- 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.
- Bearing at joint(s) 14, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 147 lb uplift at joint 14 and 147 lb uplift at joint 10.



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

May 11,2021

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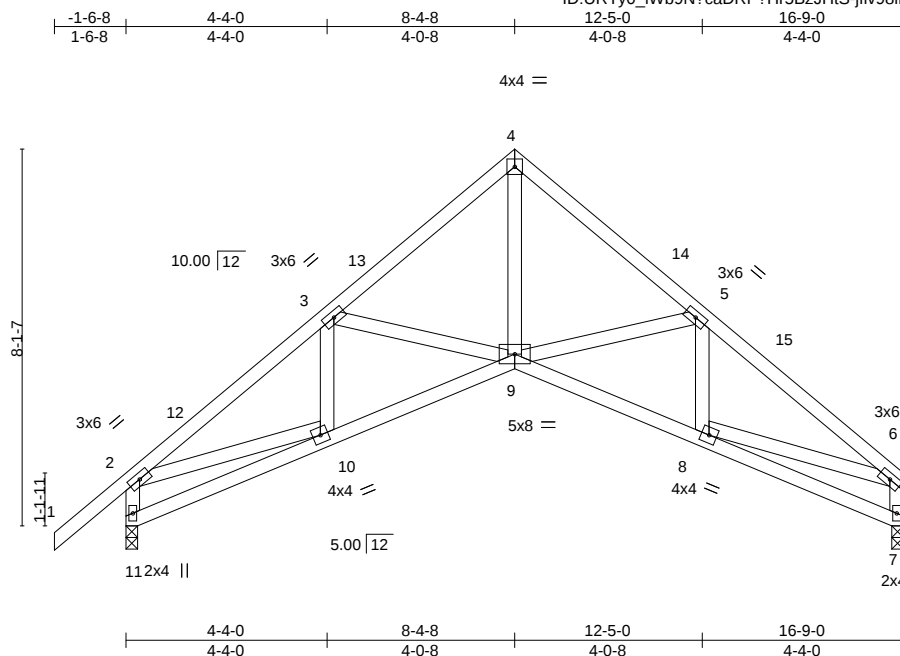
6904 Parke East Blvd.
Tampa, FL 36610

Job 2733931	Truss T19	Truss Type Scissor	Qty 4	Ply 1	IC CONST. - CAMPBELL RES. T23882374
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:43 2021 Page 1

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Scale = 1:49.6

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.18	Vert(LL)	-0.03	9	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.24	Vert(CT)	-0.06	8-9	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.29	Horz(CT)	0.06	7	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						
								Weight: 103 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-7-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

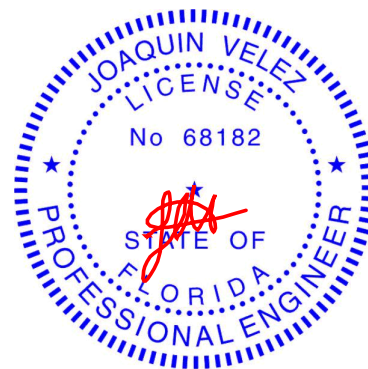
(size) 11=0-3-0, 7=0-3-0
Max Horz 11=202(LC 9)
Max Uplift 11=-145(LC 12), 7=-108(LC 13)
Max Grav 11=705(LC 1), 7=604(LC 1)

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

TOP CHORD 2-3=-1013/217, 3-4=-822/188, 4-5=-824/199, 5-6=-1027/216, 2-11=-678/206,
6-7=-590/147
BOT CHORD 9-10=-203/877, 8-9=-145/812
WEBS 4-9=-155/756, 2-10=-64/694, 6-8=-98/680

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 8-4-8, Exterior(2R) 8-4-8 to 11-4-8, Interior(1) 11-4-8 to 16-7-4 zone; 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
- 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.
- Bearing at joint(s) 11, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 11 and 108 lb uplift at joint 7.



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

May 11, 2021

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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 2733931	Truss T20	Truss Type Roof Special	Qty 3	Ply 1	IC CONST. - CAMPBELL RES. T23882375
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,					

-1-6-8	4-4-0	8-4-8	12-5-0	16-9-0
1-6-8	4-4-0	4-0-8	4-0-8	4-4-0

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:44 2021 Page 1

ID:URTyo0_IWb9N?caDRP?Hr5BzJHtS-BsGHMUjPVoMFWufJcBpncV6?y2calssR2vRHwzlv8j

4x4 =

Scale = 1:49.2

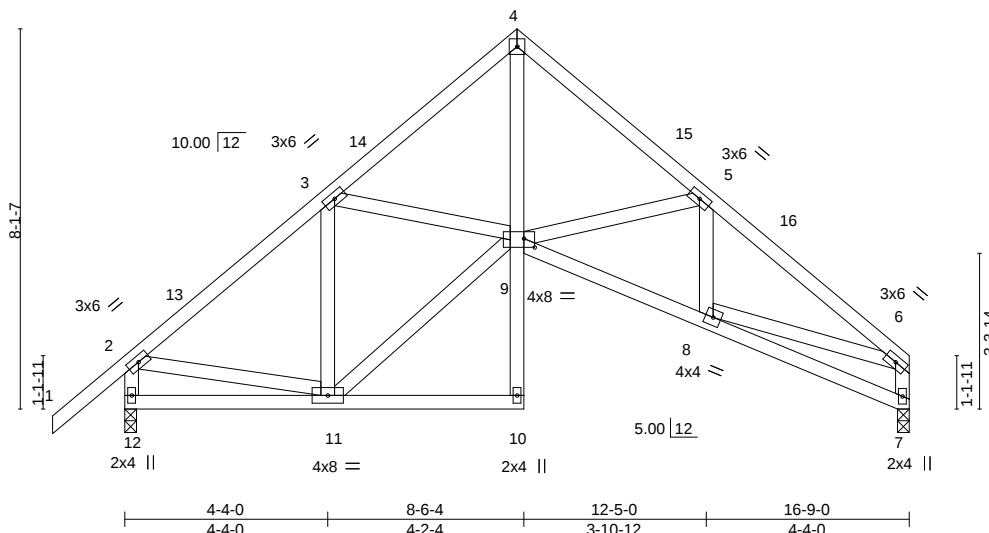


Plate Offsets (X,Y)--		[9:0-2-12,0-2-4]							
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d
TCLL 20.0		Plate Grip DOL	1.25	TC 0.17		Vert(LL)	-0.03 9	>999	240
TCDL 7.0		Lumber DOL	1.25	BC 0.34		Vert(CT)	-0.06 8-9	>999	180
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.26		Horz(CT)	0.05 7	n/a	n/a
BCDL 10.0		Code FBC2020/TPI2014		Matrix-MS					
								PLATES	GRIP
								MT20	244/190
								Weight: 116 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-10: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-7-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

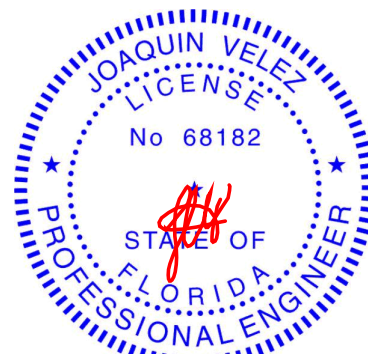
(size) 12=0-3-0, 7=0-3-0
Max Horz 12=202(LC 11)
Max Uplift 12=-145(LC 12), 7=-108(LC 13)
Max Grav 12=705(LC 1), 7=604(LC 1)

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

TOP CHORD 2-3=-650/148, 3-4=-806/188, 4-5=-811/198, 5-6=-1028/215, 2-12=-664/199, 6-7=-590/147
BOT CHORD 4-9=-155/739, 8-9=-144/804
WEBS 3-11=-381/119, 9-11=-142/622, 2-11=-38/420, 6-8=-98/682

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 8-4-8, Exterior(2R) 8-4-8 to 11-4-8, Interior(1) 11-4-8 to 16-7-4 zone; 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
- 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.
- Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 12 and 108 lb uplift at joint 7.



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MiTek USA, Inc. FL Cert 6634
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Date:

May 11,2021

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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



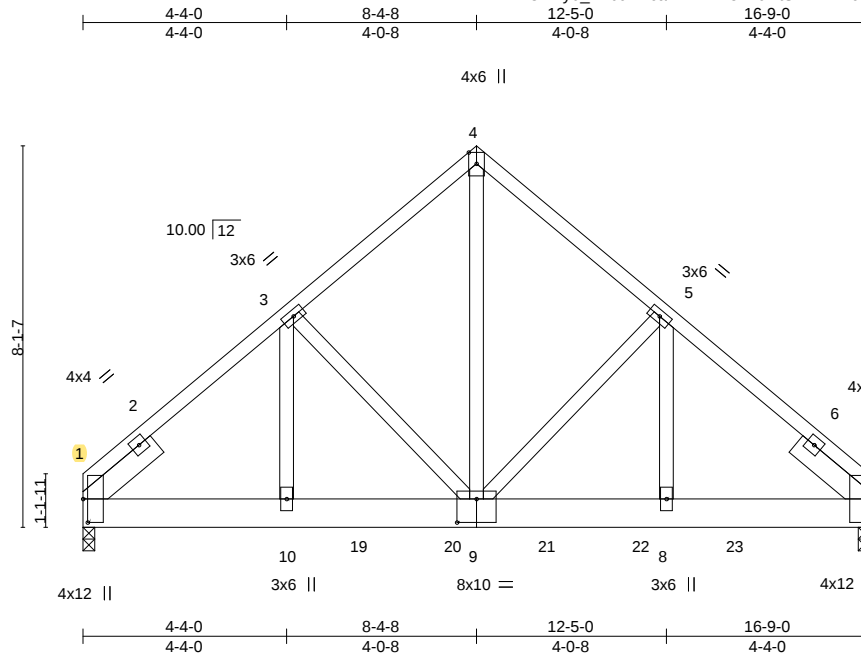
6904 Parke East Blvd.
Tampa, FL 33610

Job 2733931	Truss T21	Truss Type Common Girder	Qty 1	Ply 2	IC CONST. - CAMPBELL RES. Job Reference (optional)	T23882376
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:46 2021 Page 1
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Scale = 1:49.0

Plate Offsets (X,Y)-- [1:0-6-0,0-1-3], [7:0-7-14,0-1-3], [9:0-5-0,0-6-0]												
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	0.35	Vert(LL)	0.06	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.09	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.67	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 264 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -t 1-11-8, Right 2x6 SP No.2 -t 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 1=0-3-0, 7=0-3-0
Max Horz 1=-154(LC 23)
Max Uplift 1=-1142(LC 8), 7=-1274(LC 9)
Max Grav 1=2778(LC 1), 7=3978(LC 2)

FORCES.

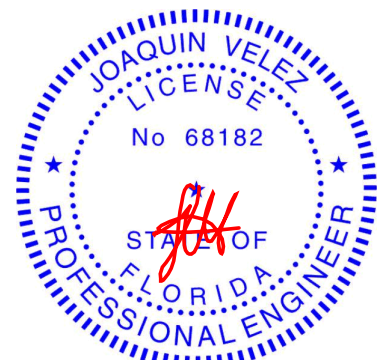
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-3489/1518, 3-4=-2976/1234, 4-5=-2979/1236, 5-7=-3887/1328
BOT CHORD 1-10=-1170/2614, 9-10=-1170/2614, 8-9=-961/2922, 7-8=-961/2922
WEBS 4-9=-1466/3541, 5-9=-968/276, 5-8=-192/1182, 3-9=-557/473, 3-10=-467/628

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: 2x8 - 2 rows staggered at 0-6-0 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 7-16; 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.
- 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 1142 lb uplift at joint 1 and 1274 lb uplift at joint 7.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1712 lb down and 1100 lb up at 5-10-4, 829 lb down and 236 lb up at 7-10-4, 829 lb down and 236 lb up at 9-10-4, 826 lb down and 235 lb up at 11-10-4, and 826 lb down and 235 lb up at 13-10-4, and 827 lb down and 234 lb up at 15-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S)

Standard



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

May 11,2021

Continued on page 2.

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - CAMPBELL RES.	T23882376
2733931	T21	Common Girder	1	2	Job Reference (optional)	

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-54, 4-7=-54, 11-15=-20

Concentrated Loads (lb)

Vert: 19=-1712(B) 20=-716(B) 21=-716(B) 22=-713(B) 23=-713(B) 24=-714(B)

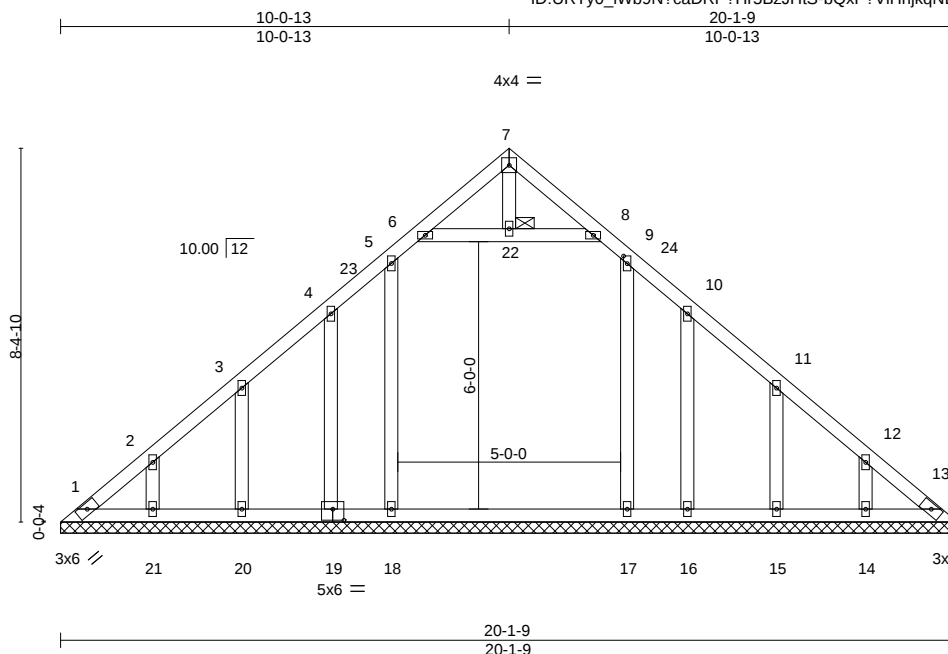
Job 2733931	Truss V01	Truss Type GABLE	Qty 1	Ply 1	IC CONST. - CAMPBELL RES. T23882377
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Apr 20 2021 MiTek Industries, Inc. Fri May 7 11:39:47 2021 Page 1

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Scale = 1:51.7

Plate Offsets (X,Y)-- [9:0-2-1,0-1-0], [19:0-3-0,0-3-0]															
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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	7.0	Lumber DOL		1.25		BC	0.25	Vert(CT)	n/a	-	n/a	999			
BCLL	0.0 *	Rep Stress Incr		YES		WB	0.10	Horz(CT)	0.00	13	n/a	n/a			
BCDL	10.0	Code FBC2020/TPI2014				Matrix-S									
												Weight: 118 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.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 22

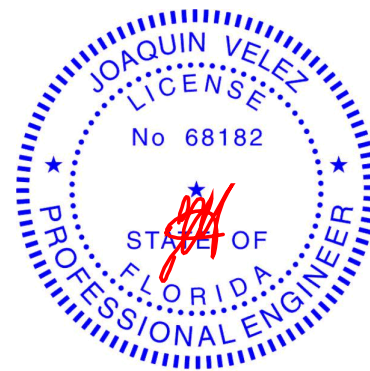
REACTIONS.

All bearings 20-1-9.
(lb) - Max Horz 1=177(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 18, 19, 20, 21, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 19, 20, 21, 16, 15, 14 except 18=396(LC 19), 17=366(LC 20)

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 B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 10-0-13, Exterior(2R) 10-0-13 to 13-0-13, Interior(1) 13-0-13 to 19-8-12 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 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 100 lb uplift at joint(s) 1, 13, 18, 19, 20, 21, 16, 15, 14.



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

May 11, 2021

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

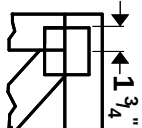
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



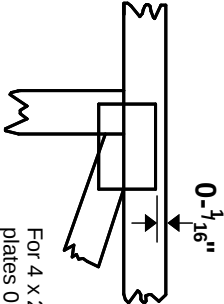
6904 Parke East Blvd.
Tampa, FL 36610

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- $\frac{3}{16}$ " from outside edge of truss.

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

*** Plate location details available in MITek 20120 software or upon request.**

PLATE SIZE

4 X 4

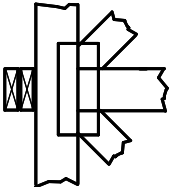
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



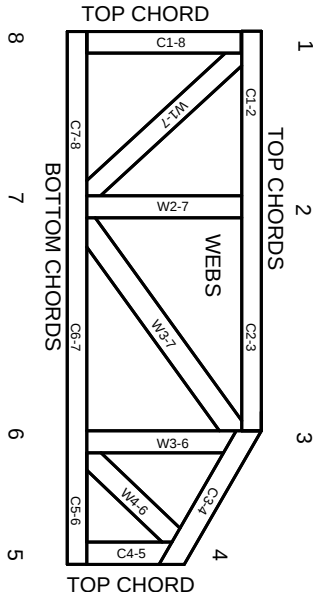
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1.1: 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.

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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.