



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

RE: 2258676 - IC CONST. - LOT 10 HPF

MiTek USA, Inc.

6904 Parke East Blvd.  
Tampa, FL 33610-4115

**Site Information:**

Customer Info: IC Construction Project Name: Spec Hse Model: Custom  
Lot/Block: 10 Subdivision: High Pointe Farms  
Address: TBD, TBD  
City: Columbia Cty State: FL

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

Name: License #:  
Address:  
City: State:

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

Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2  
Wind Code: ASCE 7-10 Wind Speed: 130 mph  
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 29 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.

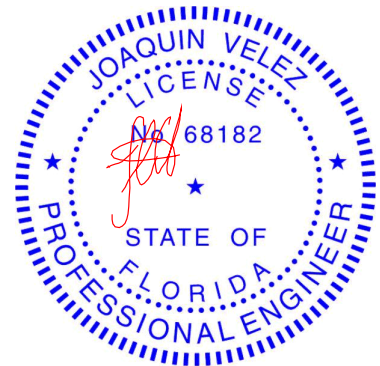
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T20420658	EJ01	6/9/20	23	T20420680	T17	6/9/20
2	T20420659	PB01	6/9/20	24	T20420681	T17G	6/9/20
3	T20420660	PB01G	6/9/20	25	T20420682	T18	6/9/20
4	T20420661	T01	6/9/20	26	T20420683	T19	6/9/20
5	T20420662	T01G	6/9/20	27	T20420684	T20	6/9/20
6	T20420663	T02	6/9/20	28	T20420685	T20G	6/9/20
7	T20420664	T03	6/9/20	29	T20420686	T21	6/9/20
8	T20420665	T03G	6/9/20				
9	T20420666	T04	6/9/20				
10	T20420667	T04G	6/9/20				
11	T20420668	T05	6/9/20				
12	T20420669	T06	6/9/20				
13	T20420670	T07	6/9/20				
14	T20420671	T08	6/9/20				
15	T20420672	T09	6/9/20				
16	T20420673	T11	6/9/20				
17	T20420674	T12	6/9/20				
18	T20420675	T13	6/9/20				
19	T20420676	T14	6/9/20				
20	T20420677	T14G	6/9/20				
21	T20420678	T15	6/9/20				
22	T20420679	T16	6/9/20				

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, 2021.

**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.

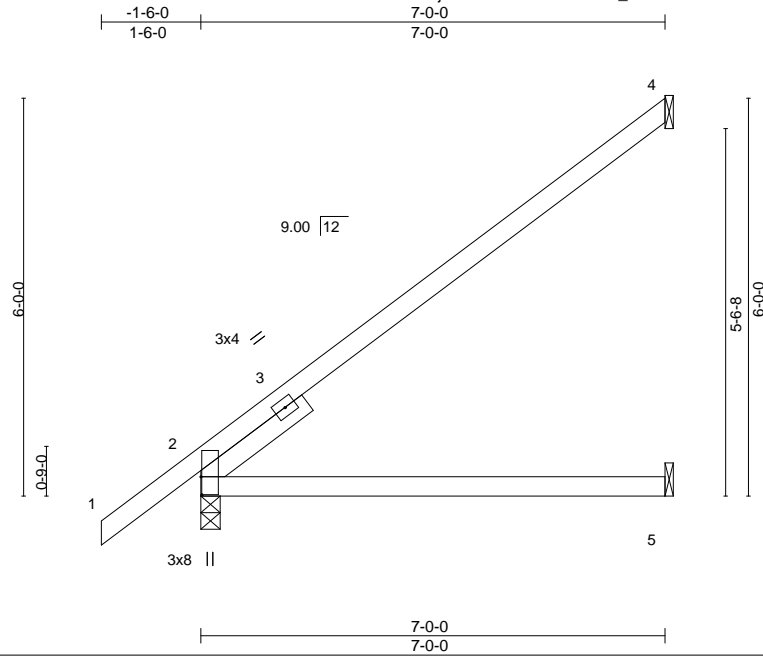


Joaquin Velez PE No.68182  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

June 9,2020

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420658
2258676	EJ01	JACK-PARTIAL	18	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:16 2020 Page 1  
ID:Yx7jBY9MEFY5ATIM9YoQR\_zhFUF-D?vvHrcJY\_iFq3OI9sWwHOk14hmCE\_QUgwdVJLz80HT



Scale = 1:34.7

Plate Offsets (X,Y)-- [2:0-3-4,0-0-3]										
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	0.80	Vert(LL)	0.23 5-8 >365	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.28 5-8 >297	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.07 4 n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 29 lb	FT = 20%

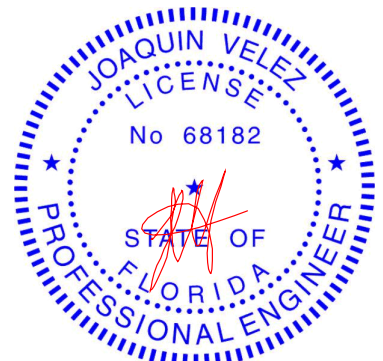
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
SLIDER Left 2x4 SP No.3 1-11-8

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

**REACTIONS.** (size) 4=Mechanical, 2=0-3-8, 5=Mechanical  
Max Horz 2=300(LC 12)  
Max Uplift 4=-198(LC 12), 2=-65(LC 12), 5=-25(LC 12)  
Max Grav 4=195(LC 19), 2=346(LC 1), 5=126(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-4=-559/271

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 4) Refer to girder(s) for truss to truss connections.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5 except (jt=lb) 4=198.



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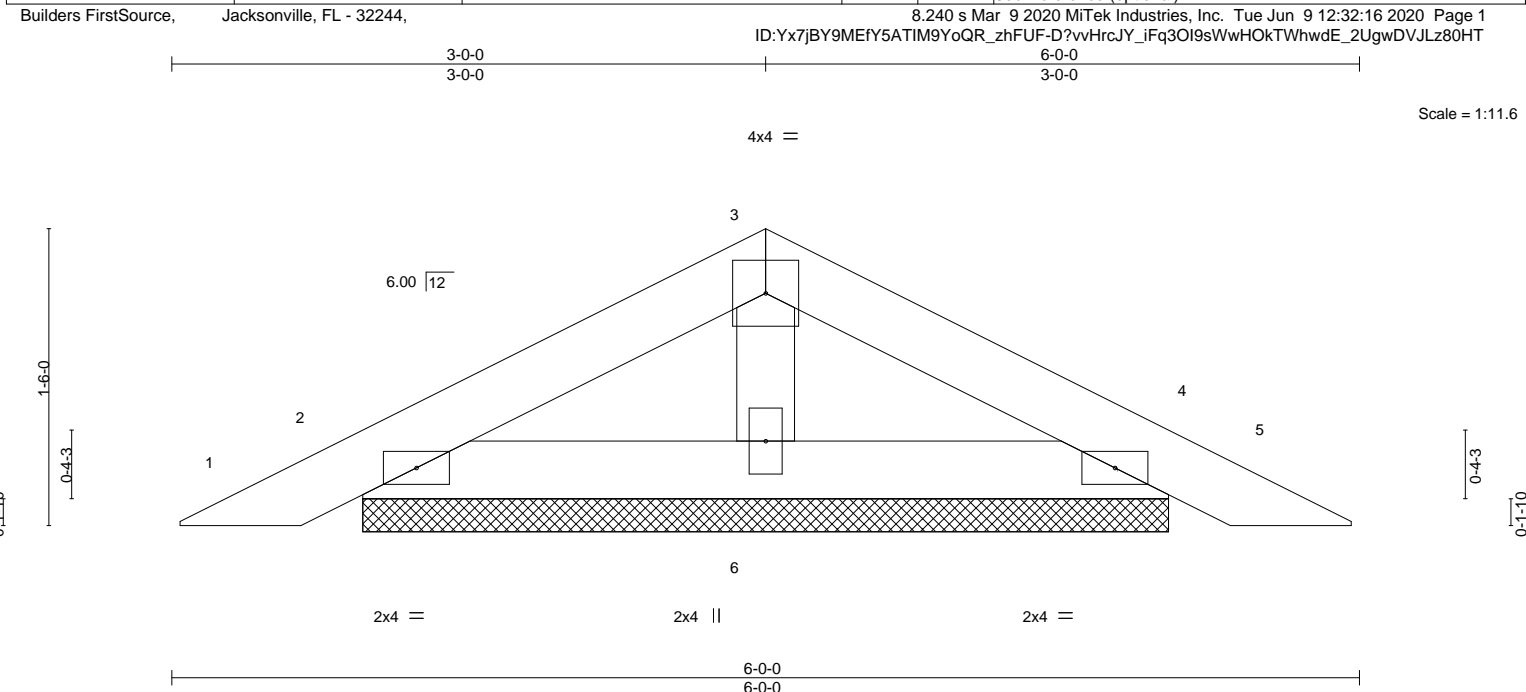
**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.**

Design valid for use only with 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420659
2258676	PB01	Piggyback	19	1	Job Reference (optional)	



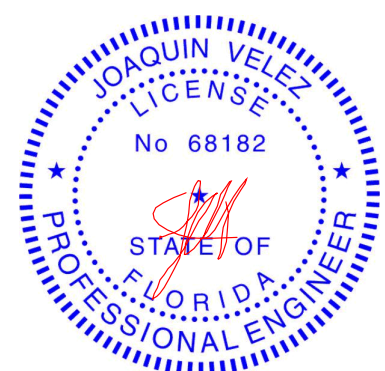
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.07	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.04	Vert(CT)	0.00	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-P						Weight: 17 lb	FT = 20%

<b>LUMBER-</b>			<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2		TOP CHORD	Structural wood sheathing directly applied or 6'-0-0 oc purlins.
BOT CHORD	2x4 SP No.2		BOT CHORD	Rigid ceiling directly applied or 10'-0-0 oc bracing.
OTHERS	2x4 SP No.3			

<b>REACTIONS.</b>	(size) 2=4-0-14, 4=4-0-14, 6=4-0-14
	Max Horz 2=28(LC 12)
	Max Uplift 2=-63(LC 12), 4=-69(LC 13), 6=-29(LC 12)
	Max Grav 2=114(LC 1), 4=114(LC 1), 6=141(LC 1)

<b>FORCES.</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
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- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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.



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Date:

June 9,2020

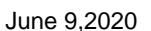
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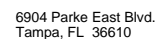


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Tampa, FL 36610

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ID:Yx7jBY9MEfY5ATIM9YoQR\_zhFUF-hCTHVbDyJHq5RDzVja19qcGfj5F7zRgeuaz2snz80HS



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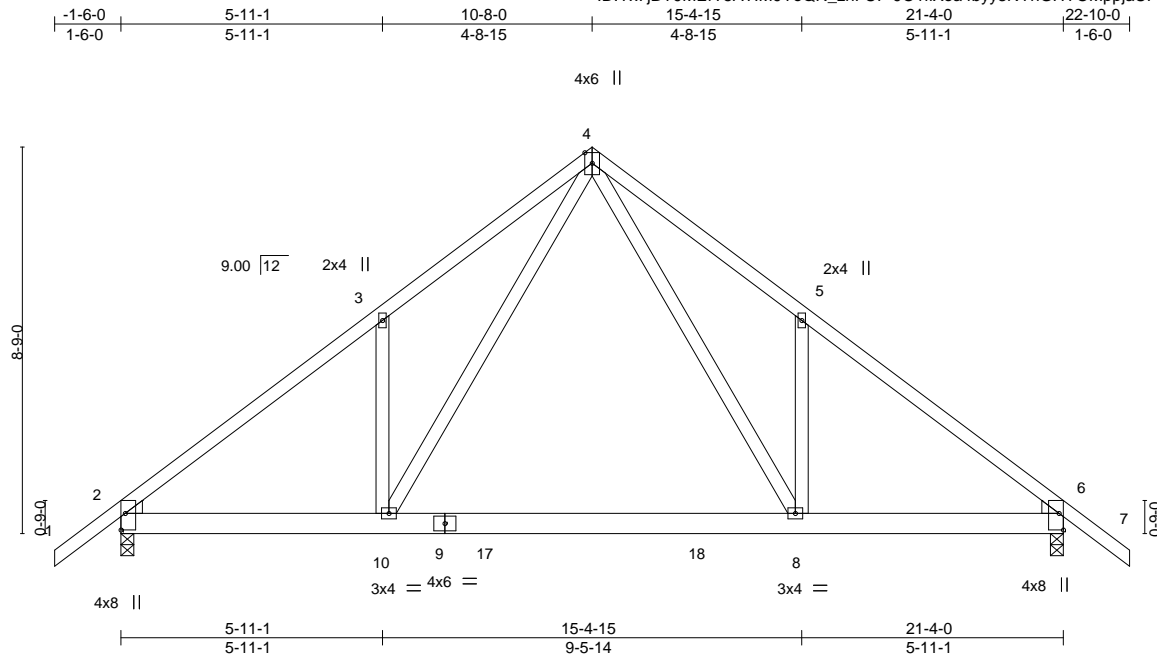


Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420661
2258676	T01	COMMON	9	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:18 2020 Page 1

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Scale = 1:52.2

Plate Offsets (X,Y)-- [2:0-0-7,0-0-9], [2:0-0-14,0-4-4], [2:Edge,0-1-3], [6:0-0-7,0-0-9], [6:0-0-14,0-4-4], [6:Edge,0-1-3]												
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d				<b>PLATES</b> <b>GRIP</b>		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.19	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.36	8-10	>703	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 137 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SP No.2

BOT CHORD 2x6 SP No.2

WEBS                      2x4 SP No.3

WEDGE

Left: 2x4 SP No.3, Right: 2x4 SP No.3

**REACTIONS.**

(size) 2=0-3-8, 6=0-3-8

Max Horz 2=-284(LC 10)

Max Uplift 2=-458(LC 12), 6=-458(LC 13)

Max Grav 2=1171(LC 19), 6=1171(LC 20)

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

TOP CHORD 2-3=-1579/646, 3-4=-1661/871, 4-5=-1661/871, 5-6=-1580/646

BOT CHORD     2-10=-470/1367, 8-10=-193/850, 6-8=-350/1232

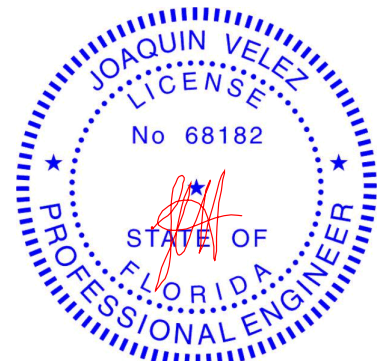
WEBS 4-8=-561/1045, 5-8=-372/364, 4-10=-561/1045, 3-10=-372/364

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCFL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCp=-0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate gird DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=458, 6=458.
- 6) 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

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-4=-54, 4-7=-54, 10-11=-20, 8-10=-80(F=60), 8-14=-20



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

June 9, 2020



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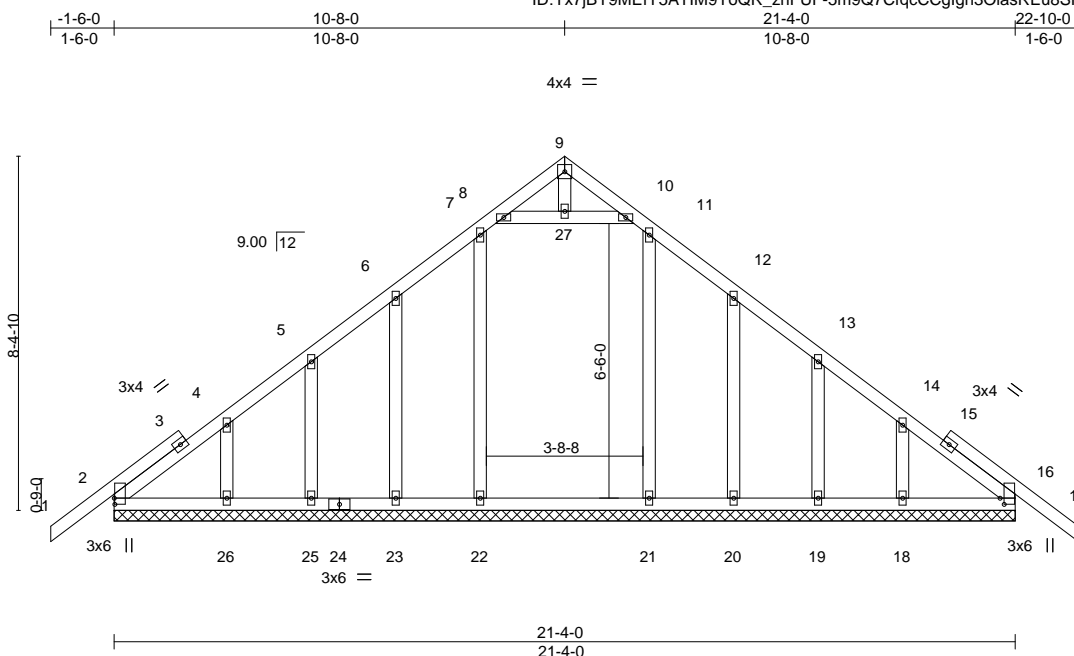


6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420662
2258676	T01G	COMMON SUPPORTED GAB	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:20 2020 Page 1  
ID:Yx7jBY9MEFY5ATIM9YoQR\_zhFUF-5m9Q7CfqCCglgh3OiasREu8SIG3AmA4bYBiS6z80HP



Scale = 1:54.5

Plate Offsets (X,Y)--		[2:0-1-12,0-0-3], [16:0-1-12,0-1-3]									
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL	1.25	TC 0.14		Vert(LL)	-0.01 17	n/r	120	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.14		Vert(CT)	-0.01 17	n/r	120		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.14		Horz(CT)	0.01 16	n/a	n/a		
BCDL 10.0		Code	FBC2017/TPI2014	Matrix-S						Weight: 138 lb	FT = 20%

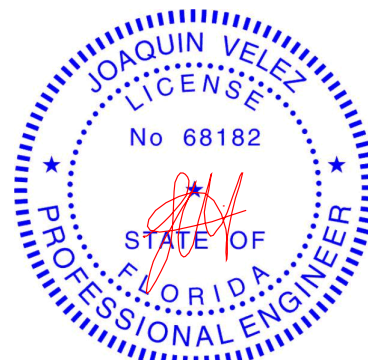
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3  
OTHERS 2x4 SP No.3

**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.

**REACTIONS.** All bearings 21-4-0.  
(lb) - Max Horz 2=273(LC 10)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 22 except 23=133(LC 12), 25=119(LC 12), 26=142(LC 12), 20=136(LC 13), 19=119(LC 13), 18=140(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 23, 25, 26, 20, 19, 18 except 22=325(LC 19), 21=277(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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) 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.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 22 except (jt=lb) 23=133, 25=119, 26=142, 20=136, 19=119, 18=140.
  - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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

June 9,2020

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6904 Parke East Blvd.  
Tampa, FL 33610



Job 2258676	Truss T02	Truss Type COMMON	Qty 1	Ply 1	IC CONST. - LOT 10 HPF T20420663
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Builders FirstSource, Jacksonville, FL - 32244,

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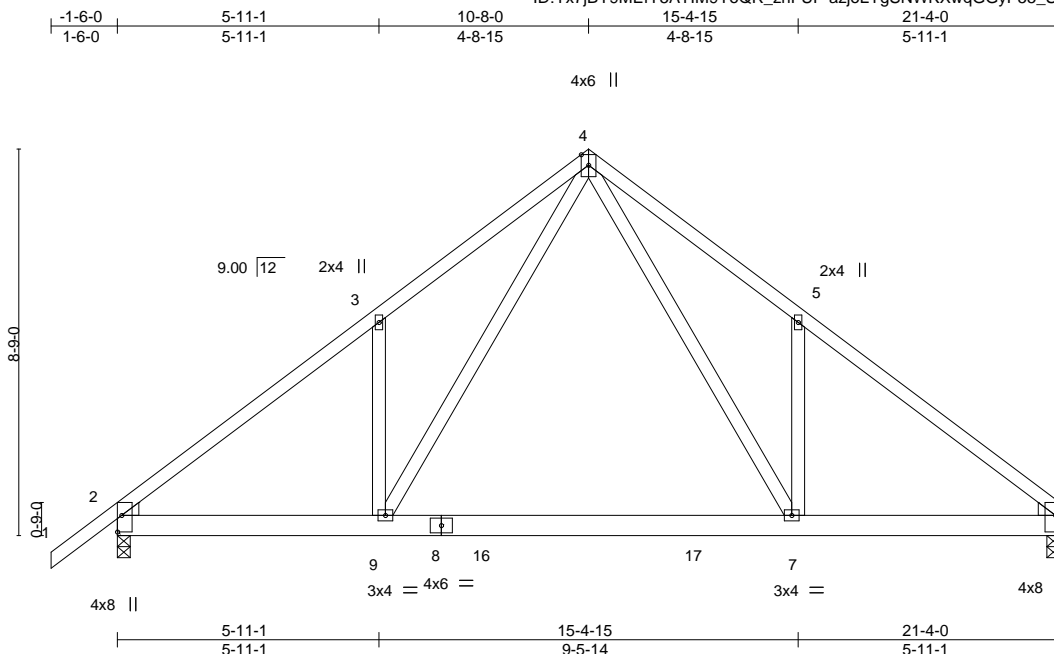


Plate Offsets (X,Y)-- [2:0-0-7,0-0-9], [2:0-0-14,0-4-4], [2:Edge,0-1-3], [6:0-0-7,0-0-9], [6:0-0-14,0-4-4], [6:Edge,0-1-3]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.19	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.36	7-9	>708	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 135 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x6 SP No.2  
WEBS 2x4 SP No.3  
WEDGE  
Left: 2x4 SP No.3, Right: 2x4 SP No.3

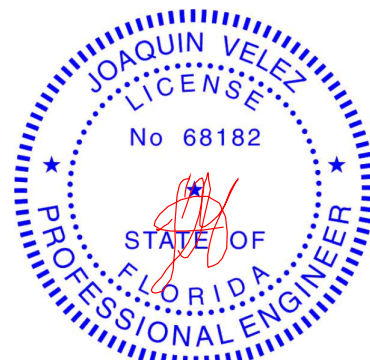
**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 4-4-4 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 2=0-3-8, 6=0-3-8  
Max Horz 2=272(LC 11)  
Max Uplift 2=-459(LC 12), 6=-406(LC 13)  
Max Grav 2=1172(LC 19), 6=1090(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-1581/651, 3-4=-1665/876, 4-5=-1659/884, 5-6=-1593/658  
BOT CHORD 2-9=-494/1351, 7-9=-217/835, 6-7=-404/1220  
WEBS 4-7=-574/1061, 5-7=-370/367, 4-9=-560/1044, 3-9=-372/364

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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) except (jt=lb) 2=459, 6=406.
  - 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  
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-4=-54, 4-6=-54, 9-10=-20, 7-9=-80(F=-60), 7-13=-20



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

June 9,2020

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

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6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420664
2258676	T03	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

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ID:Yx7jBY9MEfY5ATIM9YoQR\_zhFUF-29HAYuh48qSOY\_rSV7dKXf\_Pl6p4eY6N2sgpX?z80HN



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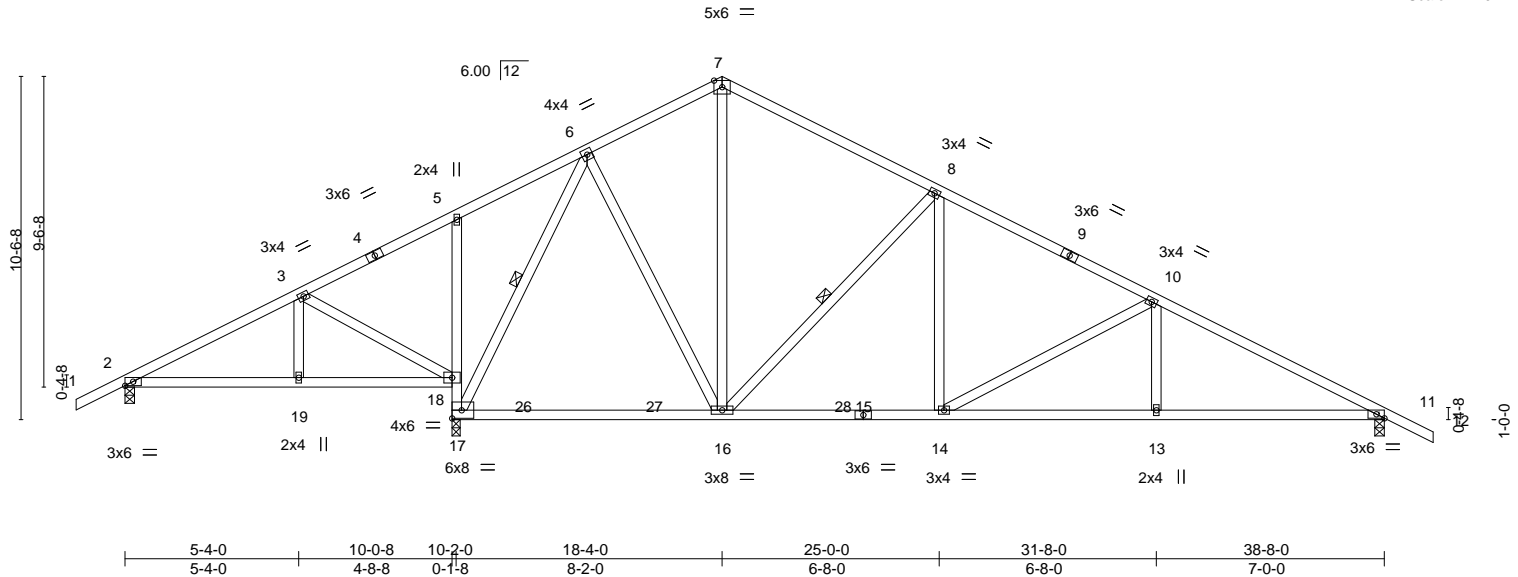


Plate Offsets (X,Y)-- [11:0-2-15,Edge]									
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL 1.25		TC 0.50		Vert(LL) -0.18 16-17 >999 240		MT20	244/190
TCDL 7.0		Lumber DOL 1.25		BC 0.68		Vert(CT) -0.31 16-17 >999 180			
BCLL 0.0 *		Rep Stress Incr YES		WB 0.63		Horz(CT) 0.03 17 n/a n/a			
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MS				Weight: 228 lb	FT = 20%

**LUMBER-**

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except*
	5-17: 2x4 SP No.3
WEBS	2x4 SP No.3

**BRACING-**

TOP CHORD	Structural wood sheathing directly applied or 3-9-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt                      6-17, 8-16

## REACTIONS.

(size) 2=0-3-8, 17=0-3-0, 11=0-3-8  
 Max Horz 2=-257(LC 13)  
 Max Uplift 2=-212(LC 8), 17=-550(LC 12), 11=-520(LC 13)  
 Max Grav 2=424(LC 23), 17=1516(LC 1), 11=1112(LC 1)

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

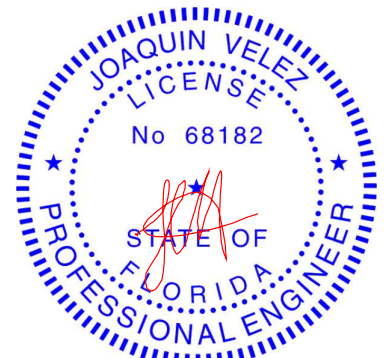
TOP CHORD 2-3=-416/551, 3-5=-87/281, 5-6=-97/365, 6-7=-697/625, 7-8=-732/605, 8-10=-1278/804,  
10-11=-1839/999

BOT CHORD 2-19=-299/327, 18-19=-299/327, 17-18=-514/631, 5-18=-253/268, 16-17=-46/419,  
14-16=-390/1073, 13-14=-752/1582, 11-13=-752/1582

WEBS 3-18=-434/571, 6-17=-1037/410, 6-16=-47/461, 7-16=-310/365, 8-16=-728/533,  
8-14=-150/448, 10-14=-578/411, 10-13=-0/289

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=212, 17=550, 11=520.



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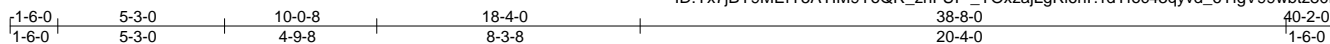


Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420665
2258676	T03G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

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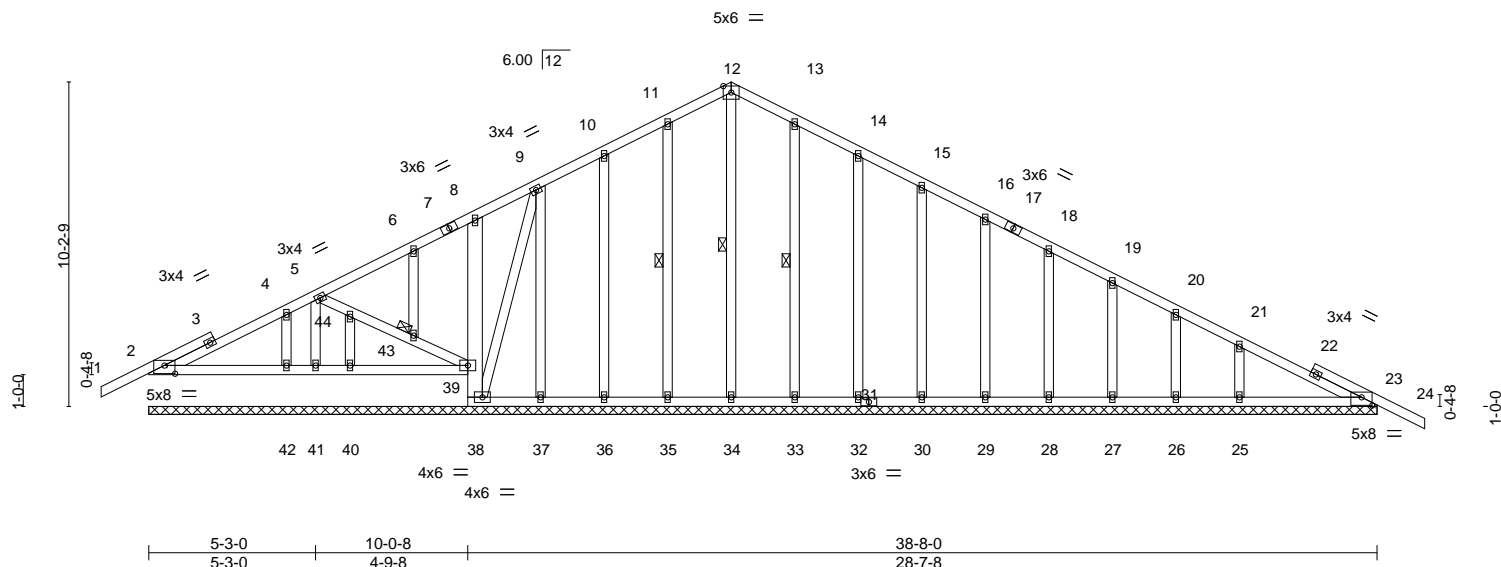


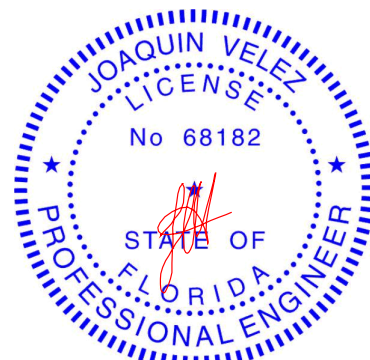
Plate Offsets (X,Y)-- [2:0-4-0,0-3-1], [23:0-4-0,0-3-1]												
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d			<b>PLATES</b>	<b>GRIP</b>		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.00	23	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	0.00	24	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.02	23	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 285 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
8-38: 2x6 SP No.2	10-0-0 oc bracing: 38-39.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 12-34, 11-35, 13-33
OTHERS 2x4 SP No.3	JOINTS 1 Brace at Jt(s): 43

<b>REACTIONS.</b>	All bearings 38-8-0.
(lb) - Max Horz 2=-250(LC 13)	
Max Uplift All uplift 100 lb or less at joint(s) 35, 36, 40, 42, 33, 32, 30, 29, 28, 27, 26, 23 except	
2=-106(LC 13), 39=-197(LC 12), 25=-158(LC 13), 41=-112(LC 3), 37=-113(LC 12)	
Max Grav All reactions 250 lb or less at joint(s) 2, 39, 38, 35, 36, 40, 33, 32, 30, 29, 28, 27, 26, 23, 41, 37	
except 34=257(LC 13), 42=270(LC 3), 25=289(LC 1)	

<b>FORCES.</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=87/306, 9-10=-99/307, 10-11=-122/374, 11-12=-142/427, 12-13=-142/427,	
13-14=-122/374, 14-15=-100/310, 15-16=-80/251	
WEBS 12-34=-273/54	

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - 4) All plates are 2x4 MT20 unless otherwise indicated.
  - 5) Gable requires continuous bottom chord bearing.
  - 6) Gable studs spaced at 2-0-0 oc.
  - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 9) Bearing at joint(s) 39 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 35, 36, 40, 42, 33, 32, 30, 29, 28, 27, 26, 23 except (jt=lb) 2=106, 39=197, 25=158, 41=112, 37=113.
  - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 40, 42, 41.



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6904 Parke East Blvd. Tampa FL 33610  
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June 9,2020

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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420666
2258676	T04	Piggyback Base	1	1	Job Reference (optional)	

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ID:Yx7jBY9MEFY5ATIM9YoQR\_zhFUF-wwWhOGkbC2yq0b9DkzhGhV83vjASaLBzzTe0gmz80HJ

1-6-0	5-4-0	10-0-8	12-9-8	19-0-0	22-10-8	25-0-0	32-0-0	39-0-0	46-0-0	47-6-0
1-6-0	5-4-0	4-8-8	2-9-0	6-2-8	3-10-8	2-1-8	7-0-0	7-0-0	7-0-0	1-6-0

Scale = 1:88.7

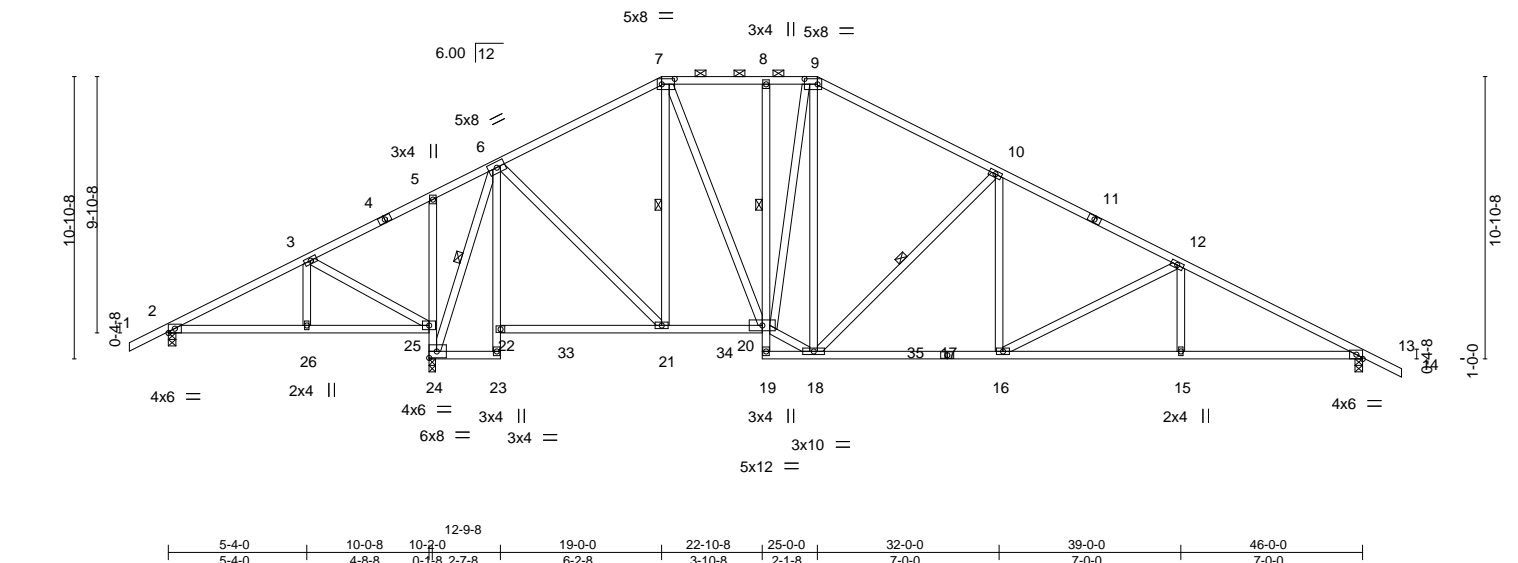


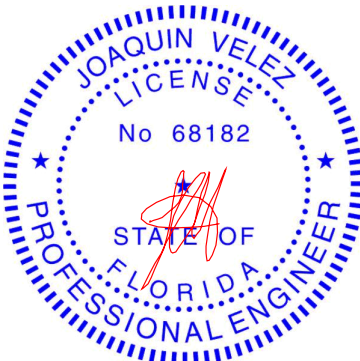
Plate Offsets (X,Y)-- [7:0-6-0,0-2-8],[9:0-6-0,0-2-8]											
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d			<b>PLATES GRIP</b>		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.14	16-18	>999	240	MT20 244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.27	16-18	>999	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	-0.06	24	n/a	n/a	
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							
							Weight: 321 lb FT = 20%				

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-3-13 oc purlins, except
BOT CHORD 2x4 SP No.2 *Except*	2-0-0 oc purlins (5-7-13 max.): 7-9.
WEBS 5-24,6-23,8-19: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 5-8-7 oc bracing. Except:
	1 Row at midpt 8-20
	WEBS 1 Row at midpt 6-24, 7-21, 10-18

<b>REACTIONS.</b>	(size) 2=0-3-8, 24=0-3-0, 13=0-3-8
	Max Horz 2=-264(LC 13)
	Max Uplift 2=-226(LC 8), 24=-625(LC 12), 13=-609(LC 13)
	Max Grav 2=317(LC 23), 24=1938(LC 1), 13=1354(LC 1)

<b>FORCES.</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-184/562, 3-5=-65/603, 5-6=-11/572, 6-7=-968/759, 7-8=-1008/848, 8-9=-1006/848, 9-10=-1198/879, 10-12=-1797/1093, 12-13=-2367/1298
BOT CHORD	2-26=-309/121, 25-26=-309/121, 24-25=-472/534, 20-21=-134/785, 16-18=-645/1534, 15-16=-1020/2053, 13-15=-1020/2053
WEBS	3-25=-435/580, 6-24=-1602/626, 6-21=-169/803, 7-21=-418/157, 7-20=-275/633, 18-20=-277/1092, 9-18=-244/254, 10-18=-771/556, 10-16=-144/487, 12-16=-584/420, 12-15=0/284

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) Provide adequate drainage to prevent water ponding.
  - 4) All plates are 3x6 MT20 unless otherwise indicated.
  - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=226, 24=625, 13=609.
  - 8) 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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Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420668
2258676	T05	Piggyback Base	2	1	Job Reference (optional)	

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1-6-0	5-4-0	10-0-8	12-9-8	19-0-0	22-10-8	25-0-0	32-0-0	39-0-0	46-0-0
1-6-0	5-4-0	4-8-8	2-9-0	6-2-8	3-10-8	2-1-8	7-0-0	7-0-0	7-0-0

[illegible]

<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.25	TC 0.58	Vert(LL) -0.14 15-17 >999 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.72	Vert(CT) -0.27 15-17 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.70	Horz(CT) -0.06 23 n/a n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS		Weight: 318 lb	FT = 20%

<b>BRACING-</b>	
<b>TOP CHORD</b>	Structural wood sheathing directly applied or 3-2-12 oc purlins, except 2-0-0 oc purlins (5-7-12 max.): 7-9.
<b>BOT CHORD</b>	Rigid ceiling directly applied or 5-6-5 oc bracing. Except: 1 Row at midpt 8-19
<b>WEBS</b>	1 Row at midpt 6-23, 7-20, 10-17

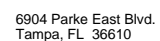
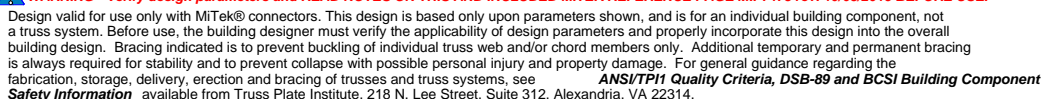
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**TOP CHORD** 2-3=-183/491, 3-5=-91/577, 5-6=-37/546, 6-7=-969/735, 7-8=-1010/832, 8-9=-1009/832, 9-10=-1200/859, 10-12=-1802/1078, 12-13=-2385/1301

**BOT CHORD** 2-25=-310/120, 24-25=-310/120, 23-24=-472/536, 19-20=-158/786, 15-17=-673/1539, 14-15=-1059/2071, 13-14=-1059/2071

**WEBS** 3-24=-435/581, 6-23=-1604/654, 6-20=-189/804, 7-20=-419/170, 7-19=-283/635, 17-19=-305/1095, 9-17=-234/255, 10-17=-774/559, 10-15=-148/488, 12-15=-599/433, 12-14=0/285

June 9, 2020



Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420669
2258676	T06	Piggyback Base	2	1	Job Reference (optional)	

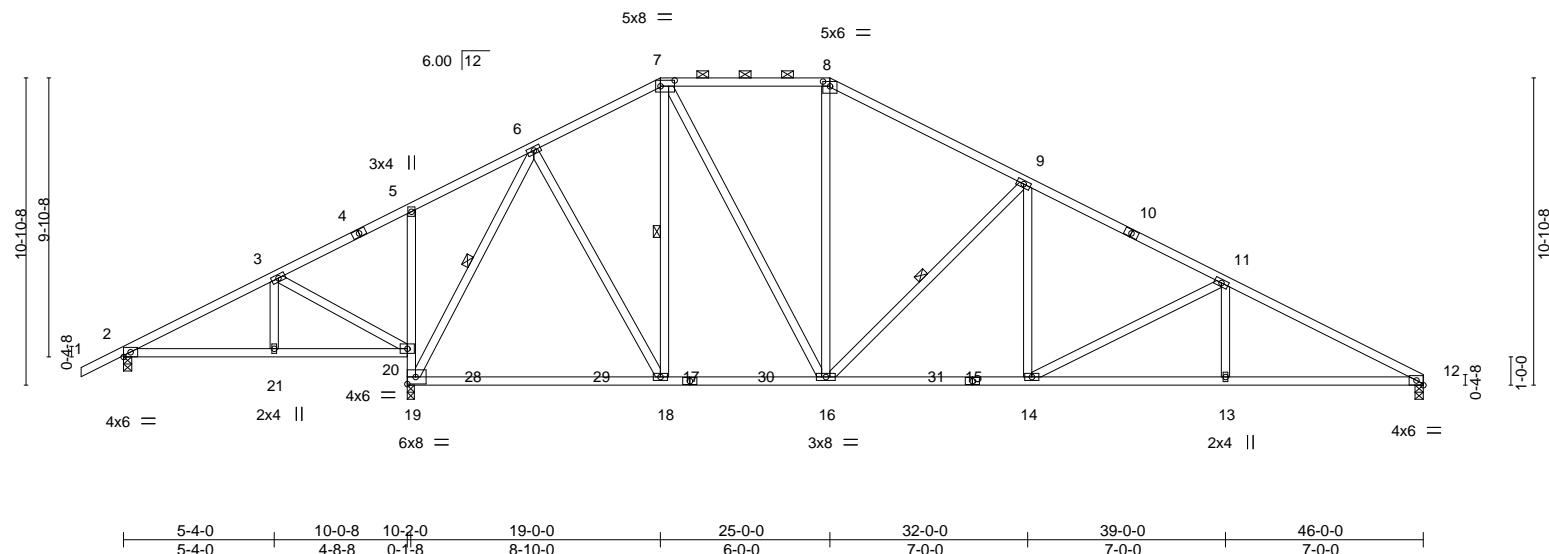
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:31 2020 Page 1

ID:Yx7jBY9MEFY5ATIM9YoQR\_zhFUF-HuJaRzok0ba67N1BXWHROZsvnrTFani6IMnLzz80HE

1-6-0	5-4-0	10-0-8	14-6-4	19-0-0	25-0-0	32-0-0	39-0-0	46-0-0
1-6-0	5-4-0	4-8-8	4-5-12	4-5-12	6-0-0	7-0-0	7-0-0	7-0-0

Scale = 1:81.5



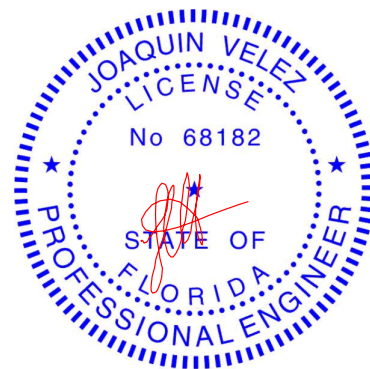
LOADING (psf)		SPACING-		CSL		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.26 18-19 >999	MT20	244/190		
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.46 18-19 >938				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.04 12 n/a				
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS						Weight: 283 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-2-3 oc purlins, except 2-0-0 oc purlins (4-10-10 max.): 7-8.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 5-6-6 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 6-19, 7-18, 9-16

**REACTIONS.** (size) 2=0-3-8, 19=0-3-0, 12=0-3-8  
Max Horz 2=-233(LC 13)  
Max Uplift 2=-202(LC 8), 19=-633(LC 12), 12=-547(LC 13)  
Max Grav 2=419(LC 23), 19=1791(LC 1), 12=1304(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-403/480, 3-5=-111/255, 5-6=-92/339, 6-7=-1015/732, 7-8=-1087/841, 8-9=-1288/857, 9-11=-1876/1075, 11-12=-2457/1298  
BOT CHORD 2-21=-300/316, 20-21=-300/316, 19-20=-522/636, 5-20=-261/272, 18-19=-91/574, 16-18=-137/865, 14-16=-670/1613, 13-14=-1057/2135, 12-13=-1057/2135  
WEBS 3-20=-430/571, 6-19=-1340/590, 6-18=-108/613, 7-18=-349/138, 7-16=-287/578, 8-16=-107/306, 9-16=-774/557, 9-14=-148/493, 11-14=-598/434, 11-13=0/283

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) Provide adequate drainage to prevent water ponding.
  - 4) All plates are 3x6 MT20 unless otherwise indicated.
  - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=202, 19=633, 12=547.
  - 8) 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:

June 9,2020

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6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420670
2258676	T07	Piggyback Base	1	1	Job Reference (optional)	

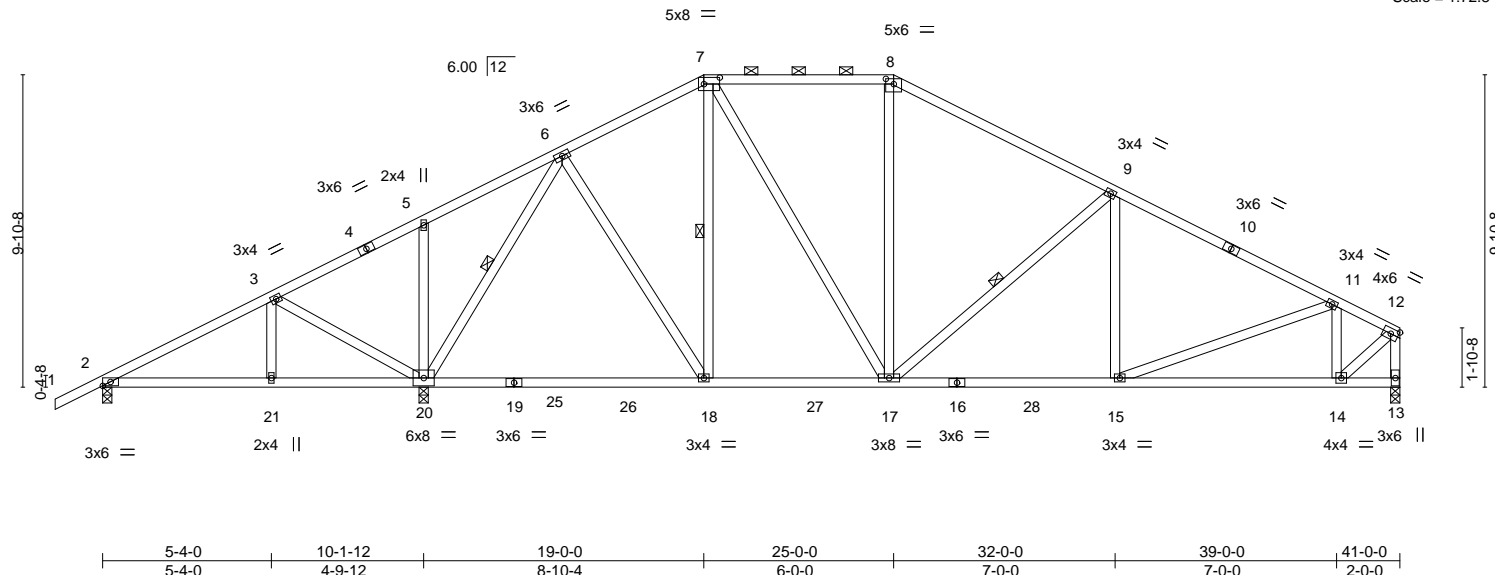
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:33 2020 Page 1

ID:Yx7JBY9MEFY5ATIM9YoQR\_zhFUF-DHRKsfp\_YCqMgBZfxJvT\_xGpXZMjY77a3ruQsz80HC

1-6-0	5-4-0	10-1-12	14-6-4	19-0-0	25-0-0	32-0-0	39-0-0	41-0-0
1-6-0	5-4-0	4-9-12	4-4-8	4-5-12	6-0-0	7-0-0	7-0-0	2-0-0

Scale = 1:72.8



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.20 18-20 >999 240	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.34 18-20 >999 180				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.04 13 n/a n/a				
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							
								Weight: 259 lb		FT = 20%	

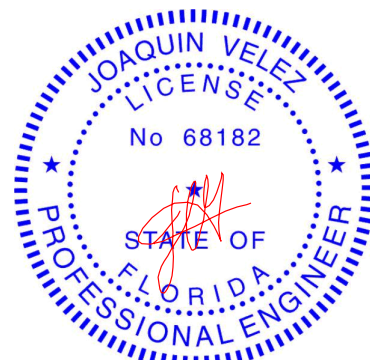
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 4-6-12 oc purlins, except end verticals, and 2-0-0 oc purlins (5-6-4 max.): 7-8.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
WEBS 1 Row at midpt 6-20, 7-18, 9-17

**REACTIONS.** (size) 2=0-3-8, 20=0-3-8, 13=0-3-8  
Max Horz 2=275(LC 12)  
Max Uplift 2=-134(LC 8), 20=-664(LC 12), 13=-413(LC 13)  
Max Grav 2=335(LC 23), 20=1713(LC 1), 13=1085(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 3-5=-253/352, 5-6=-117/348, 6-7=-816/531, 7-8=-845/642, 8-9=-1030/637,  
9-11=-1378/722, 11-12=-896/453, 12-13=-1092/534  
BOT CHORD 18-20=-90/436, 17-18=-100/687, 15-17=-496/1163, 14-15=-417/817  
WEBS 3-20=-413/601, 5-20=-247/263, 6-20=-1289/713, 6-18=-143/523, 7-18=-256/175,  
7-17=-230/405, 9-17=-437/369, 11-15=-85/407, 11-14=-613/413, 12-14=-561/1091

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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 100 lb uplift at joint(s) except (jt=lb) 2=134, 20=664, 13=413.
  - 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:

June 9,2020

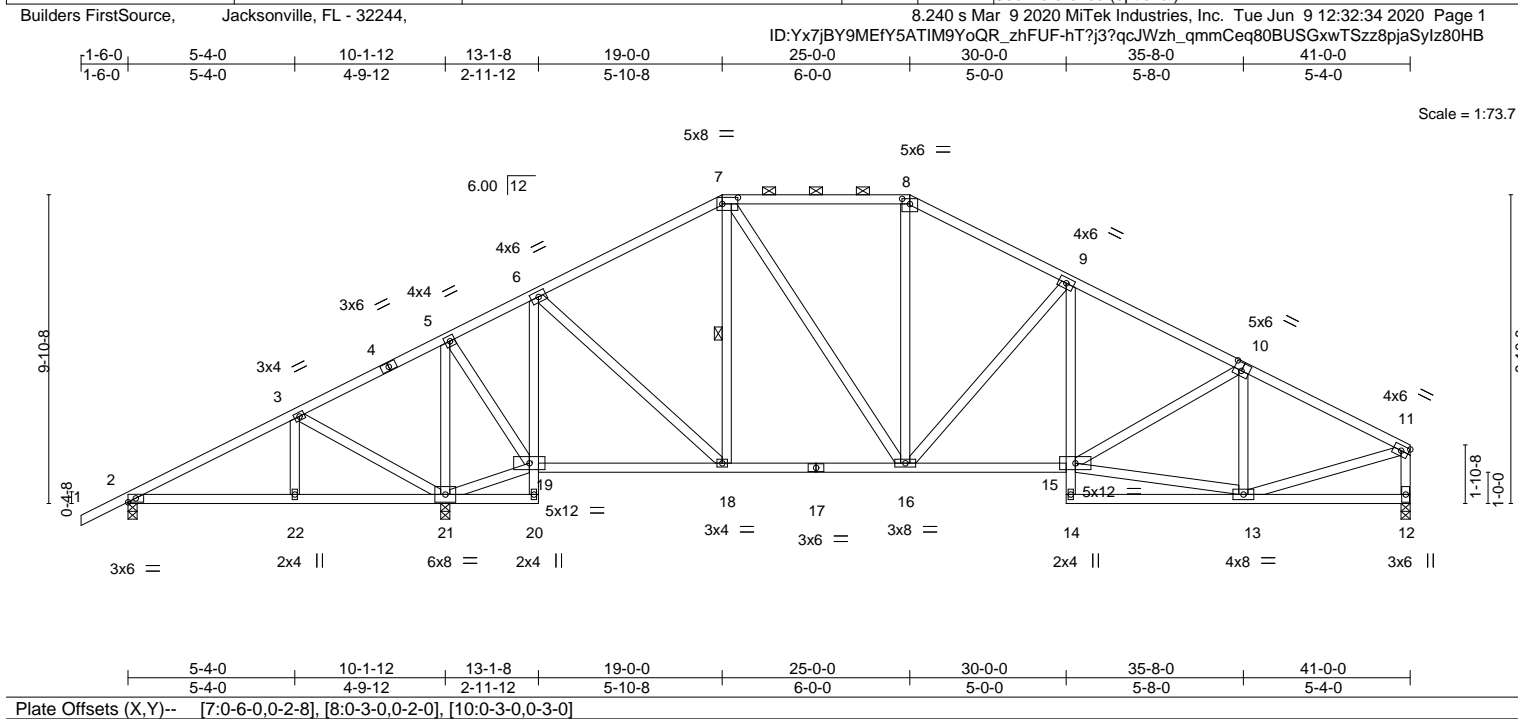
**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.**

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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420671
2258676	T08	Piggyback Base	2	1	Job Reference (optional)	



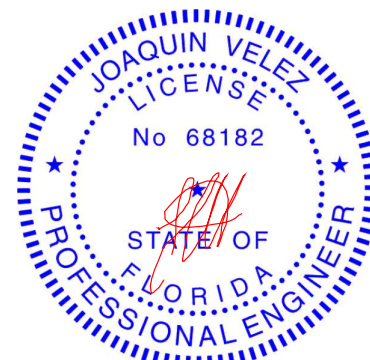
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	Vert(LL)	-0.06 16-18	>999	240	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.58	Vert(CT)	-0.12 15-16	>999	180		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.70	Horz(CT)	0.04 12	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						
	Code FBC2017/TPI2014						Weight: 275 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD 2x4 SP No.2		TOP CHORD	Structural wood sheathing directly applied or 4-9-2 oc purlins, except end verticals, and 2-0-0 oc purlins (5-4-1 max.): 7-8.
BOT CHORD 2x4 SP No.2 *Except*		BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
6-20,9-14: 2x4 SP No.3		WEBS	1 Row at midpt 7-18
WEBS 2x4 SP No.3			

<b>REACTIONS.</b>	(size) 2=0-3-8, 12=0-3-8, 21=0-3-8
Max Horz 2=275(LC 12)	
Max Uplift 2=-128(LC 8), 12=-411(LC 13), 21=-680(LC 12)	
Max Grav 2=279(LC 23), 12=1059(LC 1), 21=1815(LC 1)	

<b>FORCES.</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	3-5=-292/540, 6-7=-820/513, 7-8=-886/650, 8-9=-1055/665, 9-10=-1415/784, 10-11=-1273/649, 11-12=-1014/545
BOT CHORD	6-19=-955/582, 16-18=-107/659, 15-16=-480/1211, 9-15=-91/297
WEBS	3-21=-454/599, 5-21=-1343/711, 19-21=-455/417, 5-19=-478/1055, 6-18=-269/659, 7-18=-318/219, 7-16=-230/450, 9-16=-498/389, 13-15=-507/1062, 10-13=-418/290, 11-13=-498/1094

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) Provide adequate drainage to prevent water ponding.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=128, 12=411, 21=680.
  - 7) 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:

June 9,2020

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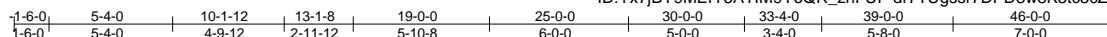
6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420672
2258676	T09	Piggyback Base	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:36 2020 Page 1

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Scale = 1:99.4

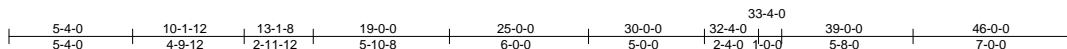
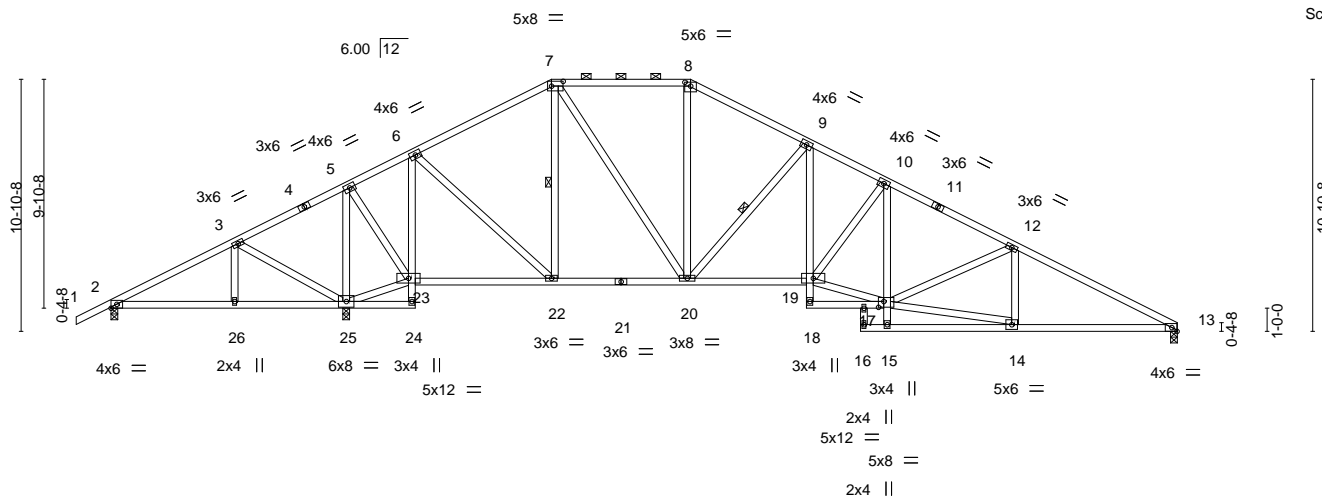


Plate Offsets (X,Y)-- [7:0-6-0,0-2-8], [8:0-3-0,0-2-0], [13:0-2-11,Edge], [17:0-2-12,0-3-0]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.52	Vert(LL) 0.15	16	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.96	Vert(CT) -0.26	16	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.85	Horz(CT) 0.08	13	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS					Weight: 304 lb	FT = 20%

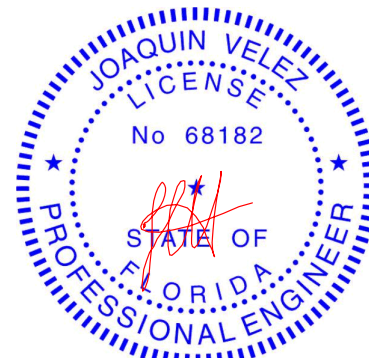
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2 \*Except\*  
6-24,9-18,10-15: 2x4 SP No.3  
WEBS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 3-3-5 oc purlins, except 2-0-0 oc purlins (4-10-3 max.): 7-8.  
BOT CHORD Rigid ceiling directly applied or 5-9-12 oc bracing. Except: 10-0-0 oc bracing: 15-17  
WEBS 1 Row at midpt 7-22, 9-20

**REACTIONS.** (size) 2=0-3-8, 13=0-3-8, 25=0-3-8  
Max Horz 2=-233(LC 13)  
Max Uplift 2=-182(LC 24), 13=-499(LC 13), 25=-739(LC 12)  
Max Grav 2=159(LC 23), 13=1217(LC 1), 25=2266(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-210/623, 3-5=-356/991, 6-7=-837/577, 7-8=-1065/773, 8-9=-1251/798, 9-10=-1911/1092, 10-12=-2062/1126, 12-13=-2261/1176  
BOT CHORD 2-26=-537/341, 25-26=-537/341, 6-23=-1326/690, 22-23=-146/318, 20-22=-89/674, 19-20=-599/1684, 9-19=-372/775, 13-14=-946/1959  
WEBS 3-25=-464/331, 5-25=-1642/785, 23-25=-875/629, 5-23=-541/1325, 6-22=-373/1016, 7-22=-556/288, 7-20=-349/741, 8-20=-122/315, 9-20=-941/594, 17-19=-714/1785, 14-17=-917/1859

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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 100 lb uplift at joint(s) except (jt=lb) 2=182, 13=499, 25=739.
  - 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:

June 9,2020

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6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420673
2258676	T11	Piggyback Base	1	1	Job Reference (optional)	

Jacksonville, FL - 32244,

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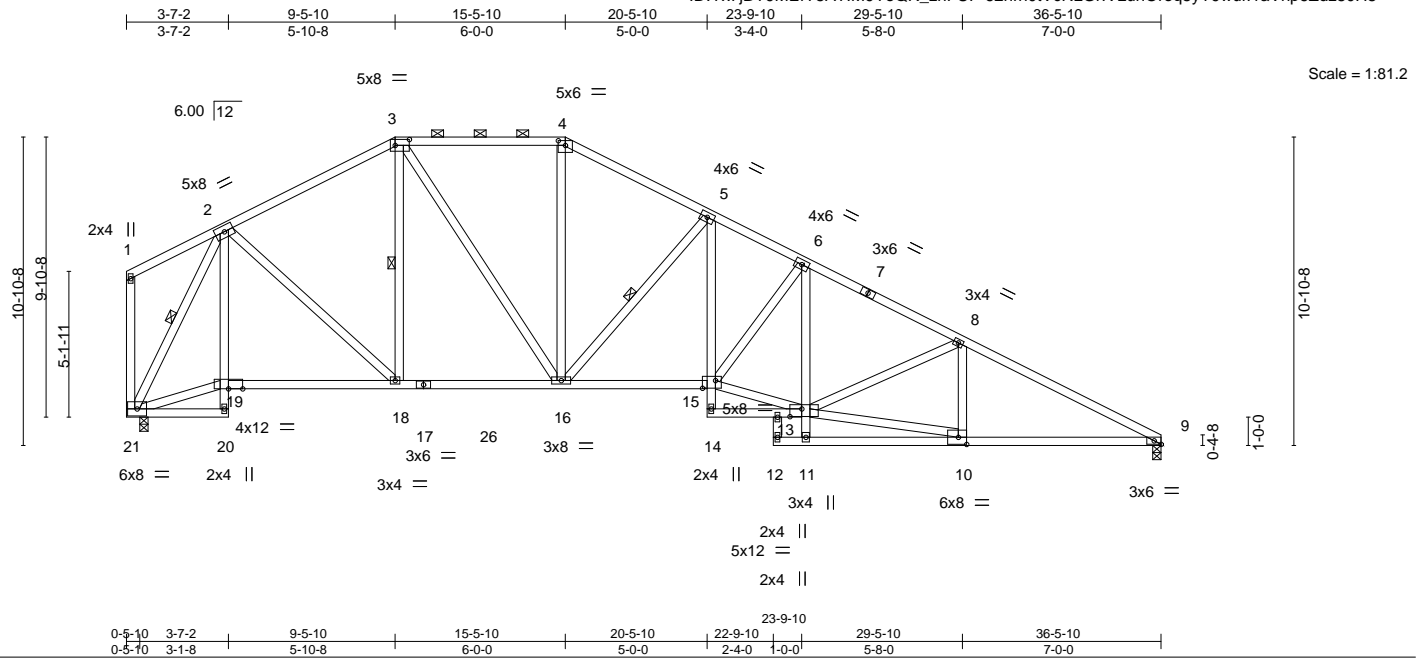


Plate Offsets (X,Y)-- [3:0-6-0,0-2-8], [4:0-3-0,0-2-0], [9:0-2-15,Edge], [10:0-3-8,0-3-0], [13:0-5-0,0-3-4], [15:0-5-8,0-3-4]												
<b>LOADING</b> (psf)		<b>SPACING</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d				<b>PLATES</b> <b>GRIP</b>		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.16	12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.30	12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.13	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 263 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-0-3 oc purlins, except end verticals, and 2-0-0 oc purlins (4-1-11 max.): 3-4.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
	2-20,5-14,6-11: 2x4 SP No.3		6-11-8 oc bracing: 15-16
WEBS	2x4 SP No.3		5-6-10 oc bracing: 9-10.
			10-0-0 oc bracing: 11-13
		WEBS	1 Row at midpt 2-21, 3-18, 5-16

**REACTIONS.** (size) 9=0-3-8, 21=0-3-8  
 Max Horz 21=-382(LC 13)  
 Max Uplift 9=-515(LC 13), 21=-401(LC 13)  
 Max Grav 9=1359(LC 1), 21=1352(LC 1)

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

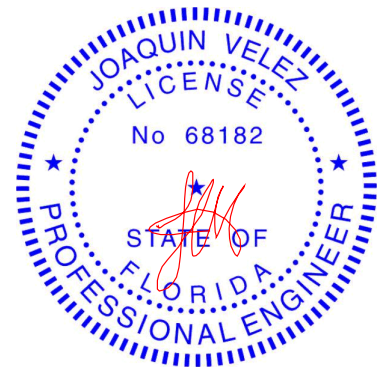
**TOP CHORD** 2-3=-1329/747, 3-4=-1413/893, 4-5=-1637/932, 5-6=-2330/1237, 6-8=-2430/1253, 8-9=-2568/1282

**BOT CHORD** 2-19=-7/345, 18-19=-145/789, 16-18=-165/1115, 15-16=-729/2059, 5-15=-389/823, 9-10=-1041/2234

**WEBS** 2-21=-1649/744, 19-21=-114/766, 2-18=-183/508, 3-16=-291/595, 4-16=-182/448, 5-16=-986/610, 13-15=-829/2117, 10-13=-1006/2116

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate gird DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=515, 21=401.
- 7) 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:

June 9, 2020



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6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420674
2258676	T12	Piggyback Base	1	1	Job Reference (optional)	

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3-7-2	9-5-10	15-5-10	20-5-10	23-9-10	29-5-10	36-5-10
3-7-2	5-10-8	6-0-0	5-0-0	3-4-0	5-8-0	7-0-0

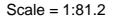


Plate Offsets (X,Y)--	[3:0-6,0,0-2-8],	[4:0-3-0,0-2-0],	[9:0-2-15,Edge],	[10:0-3-8,0-3-0],	[13:0-5-0,0-3-4],	[15:0-5-8,0-3-4]
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<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc)	<b>L/defl</b>	<b>L/d</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.25	TC 0.65	Vert(LL) -0.17 12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.92	Vert(CT) -0.32 12	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.81	Horz(CT) 0.25 9	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS				Weight: 257 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-0-3 oc purlins, except end verticals, and 2-0-0 oc purlins (4-1-10 max.): 3-4.
BOT CHORD	2x4 SP No.2 *Except*		Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
	5-14,6-11: 2x4 SP No.3	BOT CHORD	4-1-14 oc bracing: 19-20
WEBS	2x4 SP No.3		6-11-8 oc bracing: 15-16
			5-6-10 oc bracing: 9-10.
			1 Row at midpt 2-19
			10-0-0 oc bracing: 11-13
		WEBS	1 Row at midpt 3-18, 5-16

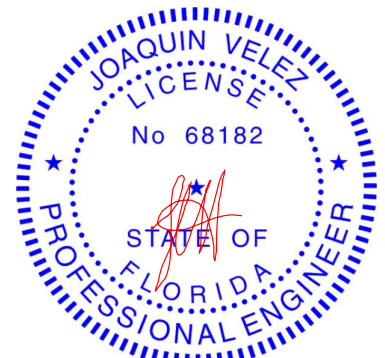
**REACTIONS.** (size) 21=Mechanical, 9=0-3-8  
 Max Horz 21=-382(LC 13)  
 Max Uplift 21=-401(LC 13), 9=-515(LC 13)  
 Max Grav 21=1352(LC 1), 9=1359(LC 1)

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

TOP CHORD	1-2=776/414, 2-3=1333/747, 3-4=1412/893, 4-5=1636/932, 5-6=2330/1237, 6-8=2430/1253, 8-9=2568/1282, 1-21=1392/721
BOT CHORD	20-21=107/380, 19-20=873/509, 12-17=846/526, 18-19=141/763, 16-18=165/1119, 15-16=729/2060, 5-15=389/825, 9-10=1041/2234
WEBS	2-18=182/538, 3-16=294/588, 4-16=182/448, 5-16=988/610, 13-15=829/2119, 10-13=1006/2116, 1-20=599/1181

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=401, 9=515.
- 8) 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:

June 9, 2020



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6904 Parke East Blvd.  
Tampa, FL 36610



Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420675
2258676	T13	Piggyback Base	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

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ID:Yx7jBY9MEFY5ATIM9YoQR\_zhFUF-WdM\_K2vNmJrjIDvZvxYFSjSImtIsR1Bf1mAyz80H5

4-4-6	9-5-10	15-5-10	20-2-6	23-9-10	29-5-10	36-5-10	37-11-10
4-4-6	5-1-4	6-0-0	4-8-12	3-7-4	5-8-0	7-0-0	1-6-0

Scale = 1:77.8

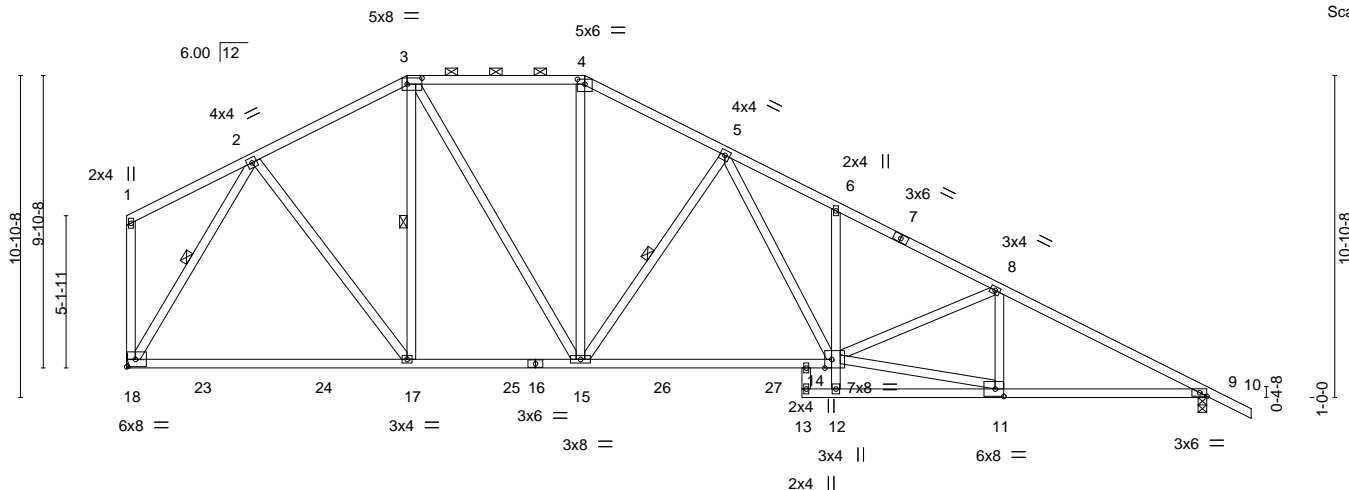


Plate Offsets (X,Y)-- [3:0-6-0,0-2-8], [4:0-3-0,0-2-0], [9:0-2-15,Edge], [11:0-3-8,0-3-0], [14:0-2-12,Edge]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.63	Vert(LL)	-0.32	17-18	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.97	Vert(CT)	-0.58	17-18	>751		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.83	Horz(CT)	0.09	9	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						
	Code FBC2017/TPI2014						Weight: 248 lb	FT = 20%

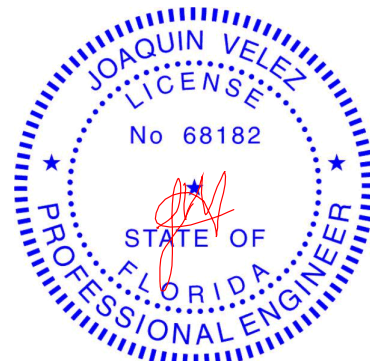
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2 \*Except\*  
6-12: 2x4 SP No.3  
WEBS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 3-1-15 oc purlins, except end verticals, and 2-0-0 oc purlins (4-4-3 max.): 3-4.  
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:  
10-0-0 oc bracing: 12-14  
WEBS 1 Row at midpt 3-17, 5-15, 2-18

**REACTIONS.** (size) 9=0-3-8, 18=Mechanical  
Max Horz 18=-414(LC 13)  
Max Uplift 9=-567(LC 13), 18=-399(LC 13)  
Max Grav 9=1441(LC 1), 18=1398(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-1223/730, 3-4=-1290/854, 4-5=-1484/893, 5-6=-2415/1361, 6-8=-2437/1241, 8-9=-2549/1267  
BOT CHORD 17-18=-124/799, 15-17=-107/1054, 14-15=-556/1691, 9-11=-991/2215  
WEBS 2-17=-129/565, 3-17=-253/153, 3-15=-281/569, 4-15=-171/410, 5-15=-765/544, 5-14=-512/929, 11-14=-950/2171, 8-11=-258/195, 2-18=-1350/749

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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.
  - 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) 9=567, 18=399.
  - 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:

June 9,2020

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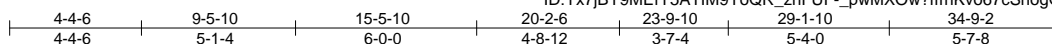
6904 Parke East Blvd.  
Tampa, FL 33610

Job 2258676	Truss T14	Truss Type Piggyback Base	Qty 5	Ply 1	IC CONST. - LOT 10 HPF Job Reference (optional)	T20420676
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:41 2020 Page 1

ID:Yx7JBY9MEFY5ATIM9YoQR\_zhFUF-\_pwMXOw?ffrhKvo67cSnogGdVmE9b6tAQJnJiOz80H4



Scale = 1:76.3

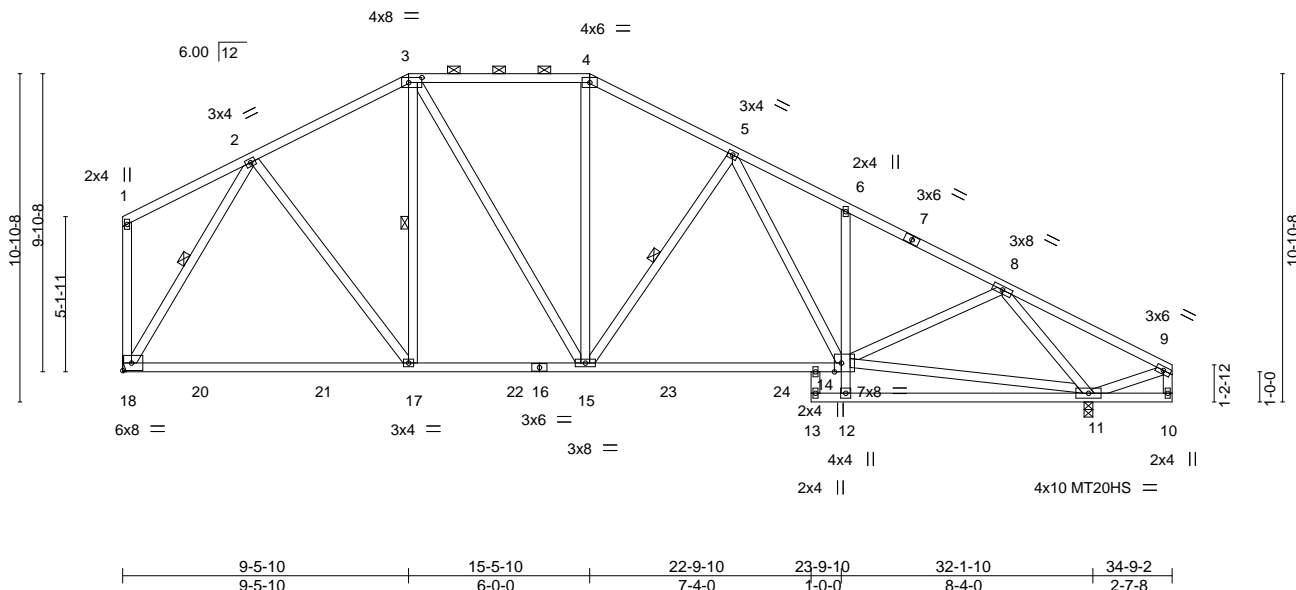


Plate Offsets (X,Y)--		[3:0-5-4,0-2-0], [14:0-2-12,Edge]									
LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.62	Vert(LL)	-0.31	17-18	>999	240	MT20	244/190	
TCDL 7.0	Lumber DOL	1.25	BC 0.96	Vert(CT)	-0.56	17-18	>684	180	MT20HS	187/143	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.75	Horz(CT)	0.06	11	n/a	n/a			
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS								
									Weight: 250 lb	FT = 20%	

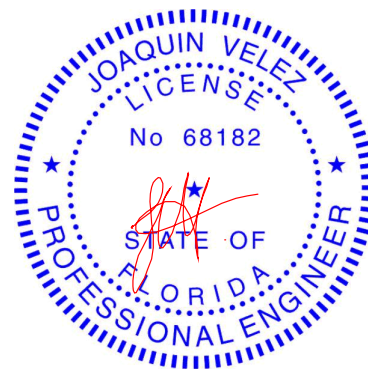
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2 \*Except\*  
6-12: 2x4 SP No.3  
WEBS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 4-5-3 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-6 max.): 3-4.  
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except: 10-0-0 oc bracing: 12-14  
WEBS 1 Row at midpt 3-17, 5-15, 2-18

**REACTIONS.** (size) 11=0-3-8, 18=Mechanical  
Max Horz 18=337(LC 13)  
Max Uplift 11=512(LC 13), 18=365(LC 12)  
Max Grav 11=1387(LC 1), 18=1241(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=1051/642, 3-4=1042/727, 4-5=1208/752, 5-6=1611/962, 6-8=1618/844  
BOT CHORD 17-18=146/686, 15-17=129/899, 14-15=418/1249  
WEBS 2-17=109/468, 3-15=212/383, 4-15=108/303, 5-15=419/371, 5-14=222/361,  
11-14=435/905, 8-14=78/510, 8-11=1658/920, 2-18=1165/656

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - All plates are MT20 plates unless otherwise indicated.
  - 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) 11=512, 18=365.
  - 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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6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420677
2258676	T14G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:43 2020 Page 1  
 ID:Yx7jBY9MEFY5ATIM9YoQR\_zhFUF-wC26y4xFBH5PZDyUE1VFt4LxEZ1T31jTtdGQmHz80H2  
 4-6-0 10-1-8 14-9-12 21-9-2 28-9-2 34-9-2 6-0-0  
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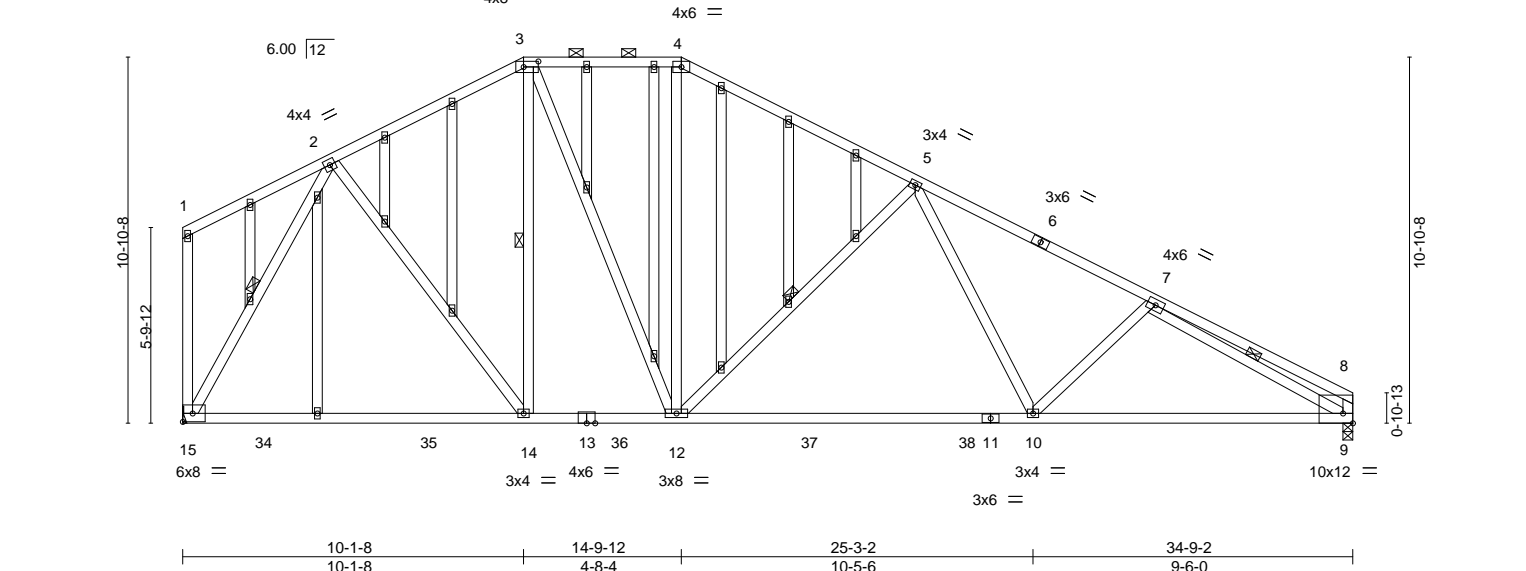
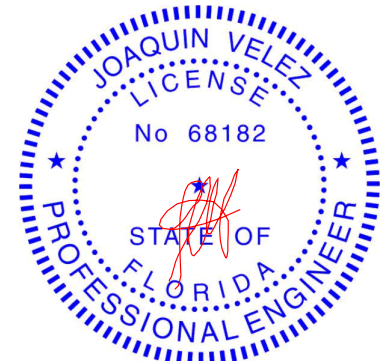


Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [8:0-1-12,0-0-14], [9:Edge,0-3-8]						
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.67	Vert(LL)	-0.35 10-12	>999 240
TCDL 7.0	Lumber DOL	1.25	BC 0.46	Vert(CT)	-0.60 14-15	>689 180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.67	Horz(CT)	0.05 9	n/a n/a
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS			
			<b>PLATES</b>		<b>GRIP</b>	
			MT20		244/190	
			Weight: 306 lb		FT = 20%	

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-9-5 oc purlins, except end verticals, and 2-0-0 oc purlins (5-6-13 max.): 3-4.
BOT CHORD 2x4 SP M 31	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3	8-4-3 oc bracing: 9-10.
OTHERS 2x4 SP No.3	WEBS 1 Row at midpt 3-14, 5-12, 2-15, 7-9
<b>REACTIONS.</b>	
(size) 15=Mechanical, 9=0-3-8	
Max Horz 15=-344(LC 13)	
Max Uplift 15=-395(LC 12), 9=-479(LC 13)	
Max Grav 15=1340(LC 2), 9=1275(LC 1)	

<b>FORCES.</b> (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1097/687, 3-4=-1069/768, 4-5=-1269/779, 5-7=-1938/1030, 7-8=-393/230, 8-9=-289/211
BOT CHORD 14-15=-159/683, 12-14=-140/925, 10-12=-601/1486, 9-10=-868/1759
WEBS 2-14=-109/514, 3-12=-265/464, 4-12=-106/305, 5-12=-635/519, 5-10=-143/472, 7-10=-180/286, 2-15=-1244/718, 7-9=-1772/870

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - 4) Provide adequate drainage to prevent water ponding.
  - 5) All plates are 2x4 MT20 unless otherwise indicated.
  - 6) Gable studs spaced at 2-0-0 oc.
  - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 8) \* 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.
  - 9) Refer to girder(s) for truss to truss connections.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=395, 9=479.
  - 11) 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:

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6904 Parke East Blvd.  
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420678
2258676	T15	FLAT GIRDER	1	1	Job Reference (optional)	

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Timeline of the 2011-2012 season:

- 5-10-11
- 11-7-10
- 17-4-9
- 23-1-8
- 28-10-7
- 34-9-2

Scale = 1:59.2

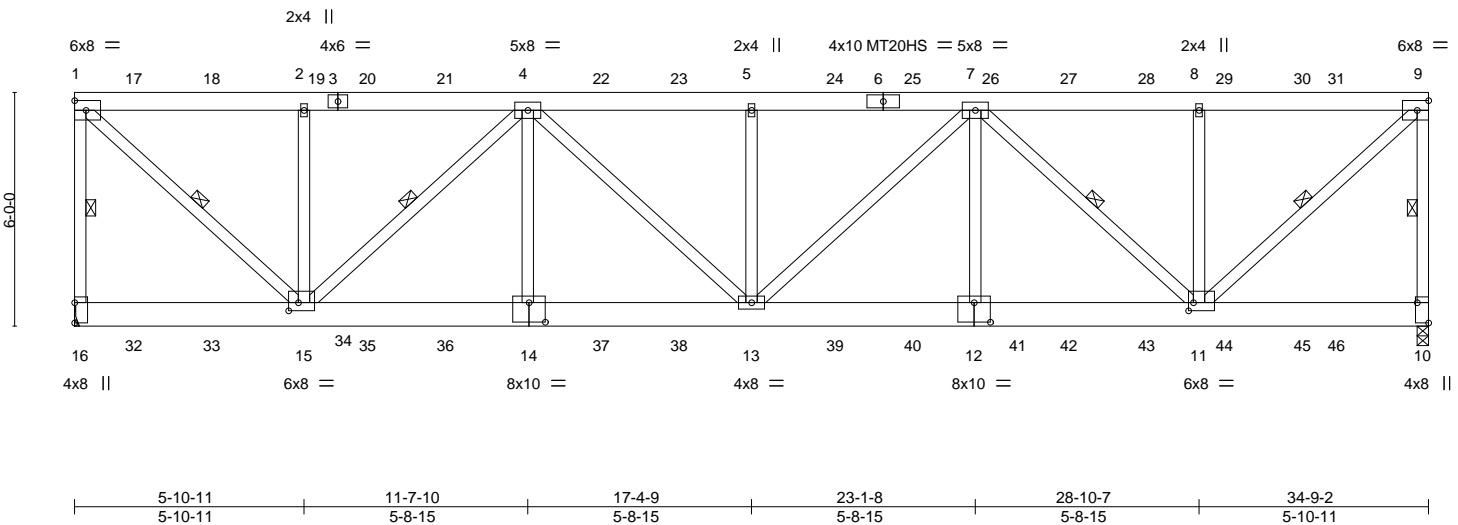


Plate Offsets (X,Y)-- [10:Edge,0-3-8], [11:0-1-8,0-2-8], [12:0-5-0,0-6-0], [14:0-5-0,0-6-0], [15:0-3-0,0-2-8]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.91	Vert(LL)	0.31	13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.31	13	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 305 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x6 SP No.2  
 BOT CHORD 2x8 SP 2400F 2.0E  
 WEBS 2x4 SP No.3 \*Except\*  
 1-15,4-15,4-13,7-13,7-11,9-11: 2x4 SP No.2

<b>BRACING-</b>	
<b>TOP CHORD</b>	Structural wood sheathing directly applied or 3-3-11 oc purlins, except end verticals.
<b>BOT CHORD</b>	Rigid ceiling directly applied or 6-8-9 oc bracing.
<b>WEBS</b>	1 Row at midpt                      1-16, 9-10, 1-15, 4-15, 7-11, 9-11

**REACTIONS.** (size) 16=Mechanical, 10=0-3-8  
Max Uplift 16=-2186(LC 4), 10=-2403(LC 4)  
Max Grav 16=2747(LC 1), 10=2964(LC 1)

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

TOP CHORD 1-16=-2599/2137, 1-2=-2491/1989, 2-4=-2491/1989, 4-5=-4436/3546, 5-7=-4436/3546  
7-8=-2521/2021, 8-9=-2521/2021, 9-10=-2747/2327

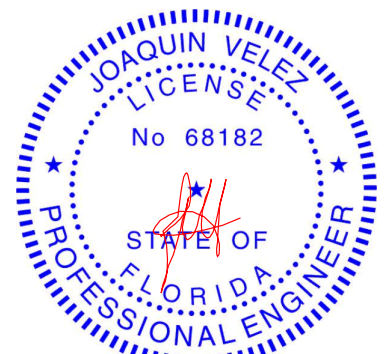
BOT CHORD 14-15=-3175/3966, 13-14=-3176/3968, 12-13=-3184/3975, 11-12=-3183/3973

WEBS 1-15=-2724/3415, 2-15=-669/744, 4-15=-2036/1638, 4-14=-92/480, 4-13=-510/647,  
5-13=-609/678, 7-13=-499/637, 7-12=-92/473, 7-11=-2004/1605, 8-11=-701/792,  
9-11=-2766/3455

**NOTES-**

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) All plates are MT20 plates unless otherwise indicated.
- 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) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=2186, 10=2403.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 173 lb down and 178 lb up at 1-6-6, 173 lb down and 178 lb up at 3-6-6, 173 lb down and 178 lb up at 5-6-6, 173 lb down and 178 lb up at 7-6-6, 173 lb down and 178 lb up at 9-6-6, 173 lb down and 178 lb up at 11-6-6, 173 lb down and 178 lb up at 13-6-6, 173 lb down and 178 lb up at 15-6-6, 173 lb down and 178 lb up at 17-6-6, 173 lb down and 178 lb up at 19-6-6, 173 lb down and 178 lb up at 21-6-6, 173 lb down and 178 lb up at 23-6-6, 173 lb down and 178 lb up at 25-6-6, 173 lb down and 178 lb up at 27-6-6, 173 lb down and 178 lb up at 29-6-6, 173 lb down and 178 lb up at 31-6-6, and 173 lb down and 178 lb up at 32-4-14, and 164 lb down and 186 lb up at 34-7-6 on top chord, and 86 lb down and 45 lb up at 1-6-6, 86 lb down and 45 lb up at 3-6-6, 86 lb down and 45 lb up at 5-6-6, 86 lb down and 45 lb up at 7-6-6, 86 lb down and 45 lb up at 9-6-6, 86 lb down and 45 lb up at 11-6-6, 86 lb down and 45 lb up at 13-6-6, 86 lb down and 45 lb up at 15-6-6, 86 lb down and 45 lb up at 17-6-6, 86 lb down and 45 lb up at 19-6-6, 86 lb down and 45 lb up at 21-6-6, 86 lb down and 45 lb up at 23-6-6, 86 lb down and 45 lb up at 25-6-6, 86 lb down and 45 lb up at 27-6-6, 86 lb down and 45 lb up at 29-6-6, 86 lb down and 45 lb up at 31-6-6, and 86 lb down and 45 lb up at 32-4-14, and 102 lb down and 37 lb up at 34-7-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Printed On Page SE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).



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

June 9, 2020

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



6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420678
2258676	T15	FLAT GIRDER	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:46 2020 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: 1-9=-54, 10-16=-20  
Concentrated Loads (lb)  
Vert: 9=-129(B) 10=-74(B) 4=-108(B) 14=-66(B) 13=-66(B) 5=-108(B) 17=-108(B) 18=-108(B) 19=-108(B) 20=-108(B) 21=-108(B) 22=-108(B) 23=-108(B) 24=-108(B) 25=-108(B) 26=-108(B) 27=-108(B) 28=-108(B) 29=-108(B) 30=-108(B) 31=-108(B) 32=-66(B) 33=-66(B) 34=-66(B) 35=-66(B) 36=-66(B) 37=-66(B) 38=-66(B) 39=-66(B) 40=-66(B) 41=-66(B) 42=-66(B) 43=-66(B) 44=-66(B) 45=-66(B) 46=-66(B)

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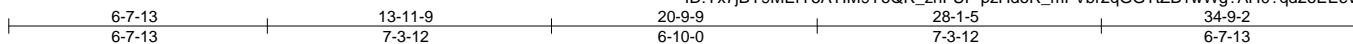


Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420679
2258676	T16	FLAT	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:47 2020 Page 1

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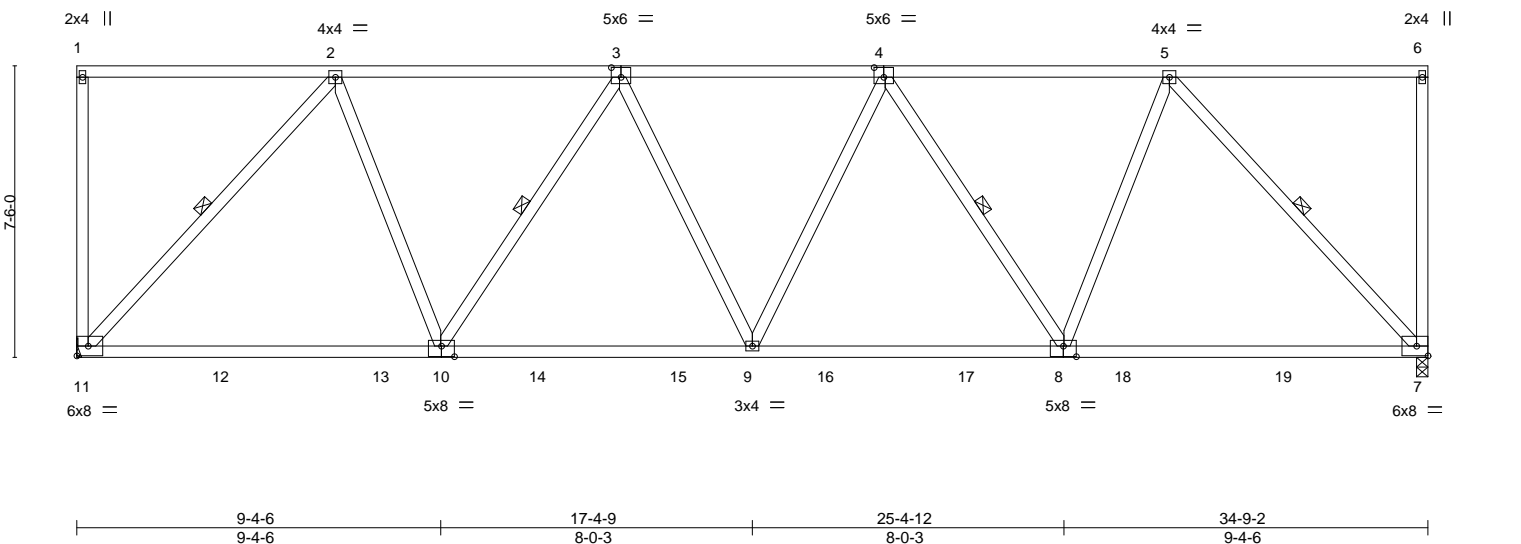


Plate Offsets (X,Y)--		[3:0-3-0,0-3-0], [4:0-3-0,0-3-0], [8:0-4-0,0-3-4], [10:0-4-0,0-3-4]							
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSL</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.25 10-11	>999	240
TCDL	7.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.47 10-11	>885	180
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.07 7	n/a	n/a
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS					
						<b>PLATES</b>		<b>GRIP</b>	
						MT20		244/190	
						Weight: 222 lb		FT = 20%	

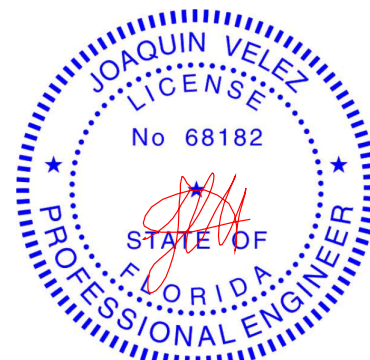
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 4-4-7 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.  
WEBS 1 Row at midpt 2-11, 3-10, 4-8, 5-7

**REACTIONS.** (size) 11=Mechanical, 7=0-3-8  
Max Uplift 11=590(LC 8), 7=590(LC 8)  
Max Grav 11=1335(LC 2), 7=1335(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-1300/555, 3-4=-1630/716, 4-5=-1300/555  
BOT CHORD 10-11=-477/1010, 9-10=-726/1574, 8-9=-726/1574, 7-8=-477/1010  
WEBS 2-11=-1480/706, 2-10=-222/819, 3-10=-530/317, 4-8=-530/317, 5-8=-222/819, 5-7=-1480/706

**NOTES-**  
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60  
2) Provide adequate drainage to prevent water ponding.  
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.  
5) 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) 11=590, 7=590.



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

June 9,2020

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6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420680
2258676	T17	ROOF SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:48 2020 Page 1  
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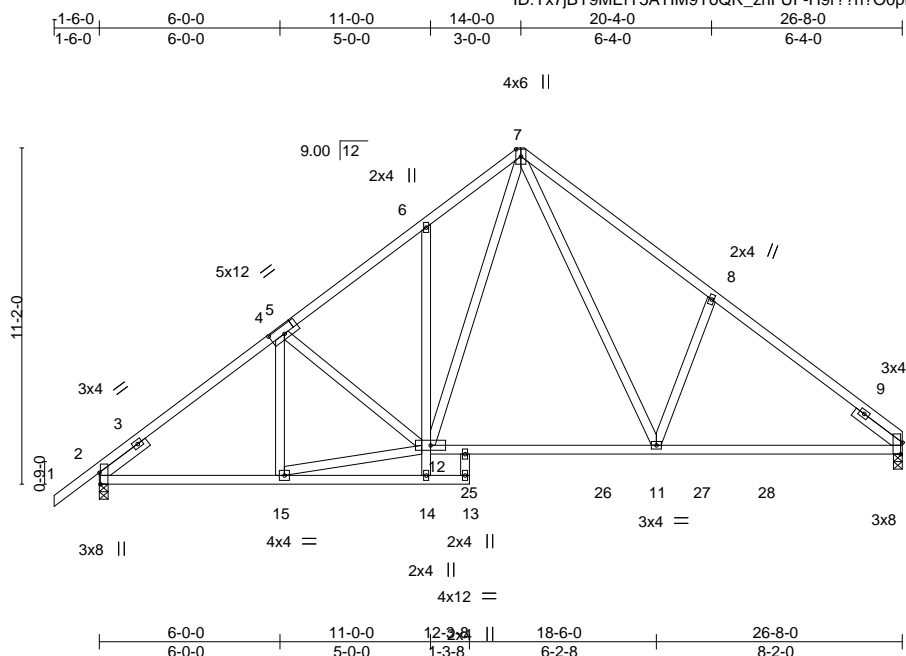


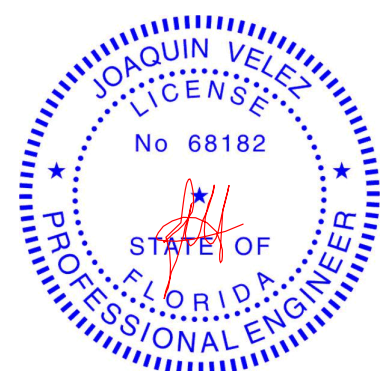
Plate Offsets (X,Y)--		[2:0-4-10,Edge], [5:0-5-12,0-3-0], [5:0-0-0,0-1-12], [10:0-4-10,Edge]									
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL	1.25	TC 0.50		Vert(LL)	-0.16 11-12	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.65		Vert(CT)	-0.28 11-12	>999	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.93		Horz(CT)	0.04 10	n/a	n/a		
BCDL 10.0		Code	FBC2017/TPI2014	Matrix-MS						Weight: 175 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD 2x4 SP No.2		TOP CHORD	Structural wood sheathing directly applied or 4-4-1 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*		BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
6-14: 2x4 SP No.3			10-0-0 oc bracing: 12-14
WEBS 2x4 SP No.3			
SLIDER Left 2x4 SP No.3 1-11-8, Right 2x4 SP No.3 1-11-8			

<b>REACTIONS.</b>	(size) 10=0-3-8, 2=0-3-8
	Max Horz 2=345(LC 9)
	Max Uplift 10=330(LC 13), 2=393(LC 12)
	Max Grav 10=1026(LC 20), 2=1086(LC 1)

<b>FORCES.</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-4=1283/552, 4-6=1204/581, 6-7=1309/722, 7-8=1309/702, 8-10=1319/569
BOT CHORD	2-15=467/1162, 6-12=251/246, 11-12=154/807, 10-11=336/1028
WEBS	12-15=457/1224, 4-12=255/220, 7-12=452/830, 7-11=359/678, 8-11=402/388

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=330, 2=393.



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

June 9,2020

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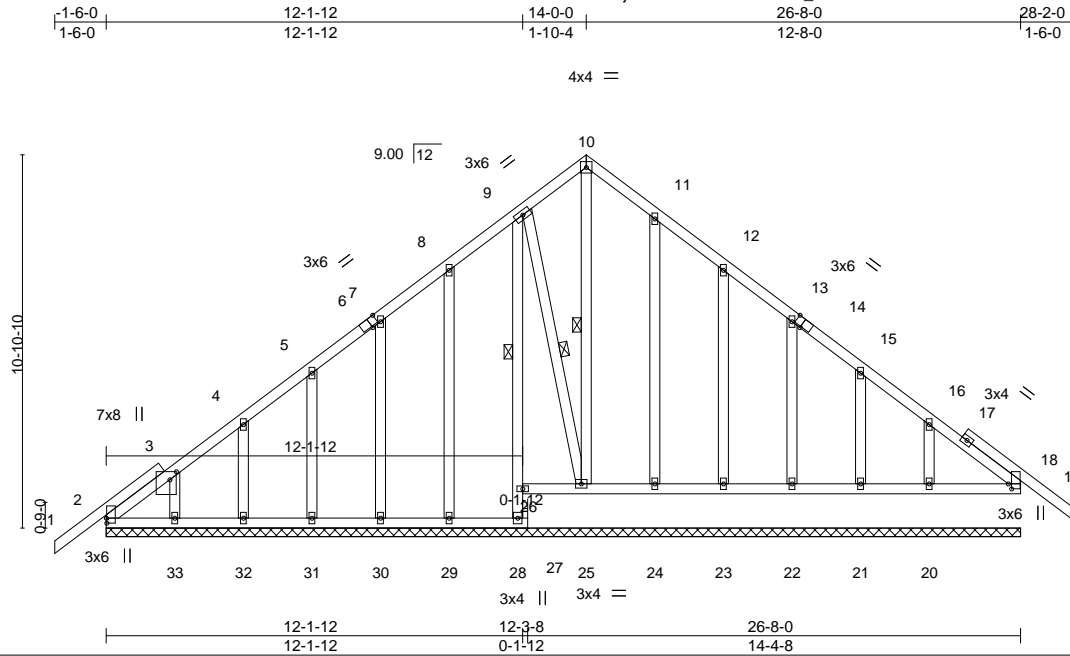
6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420681
2258676	T17G	GABLE	1	1	Job Reference (optional)	

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:49 2020 Page 1

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Scale = 1:67.2

Plate Offsets (X,Y)-- [2:0-1-12,0-0-3], [3:0-2-13,0-0-2-4], [6:0-2-8,Edge], [14:0-2-8,Edge], [18:0-1-12,0-1-3]												
<b>LOADING</b> (psf)		<b>SPACING</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d				<b>PLATES</b> <b>GRIP</b>		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	19	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.01	19	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.02	18	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 209 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
	9-28: 2x4 SP No.3		1 Row at midpt 9-26
WEBS	2x4 SP No.3		10-0-0 oc bracing: 26-28
OTHERS	2x4 SP No.3	WEBS	1 Row at midpt 10-25, 9-25

**REACTIONS.** All bearings 26-8-0.  
(lb) - Max Horz 2=-337(LC 10)  
Max Uplift All uplift 100 lb or less at joint(s) 26, 18, 25 except 2=-169(LC 8),  
27=-150(LC 11), 28=-252(LC 13), 29=-116(LC 12), 30=-126(LC 12), 31=-122(LC  
12), 32=-109(LC 12), 33=-148(LC 12), 24=-121(LC 13), 23=-128(LC 13),  
22=-123(LC 13), 21=-121(LC 13), 20=-140(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 28, 26, 18, 29, 30, 31, 32, 33,  
24, 23, 22, 21, 20 except 2=259(LC 20), 27=268(LC 13), 25=308(LC 22)

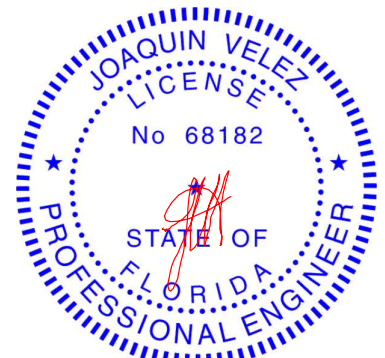
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-335/312, 3-4=-258/257, 7-8=-191/296, 8-9=-256/345, 9-10=-287/356,  
10-11=-287/350, 11-12=-221/273

WEBS 10-25=-341/224

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2'-0" oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
- 9) Bearing at joint(s) 26 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 18, 25 except (jt=lb) 2=169, 27=150, 28=252, 29=116, 30=126, 31=122, 32=109, 33=148, 24=121, 23=128, 22=123, 21=121, 20=140.
- 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 18, 25, 24, 23, 22, 21, 20.



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

June 9, 2020



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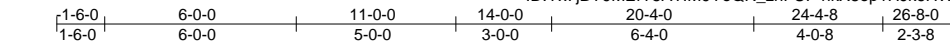
6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420682
2258676	T18	ROOF SPECIAL	3	1	Job Reference (optional)	

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:51 2020 Page 1

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5x8 ||

Scale = 1:72.2

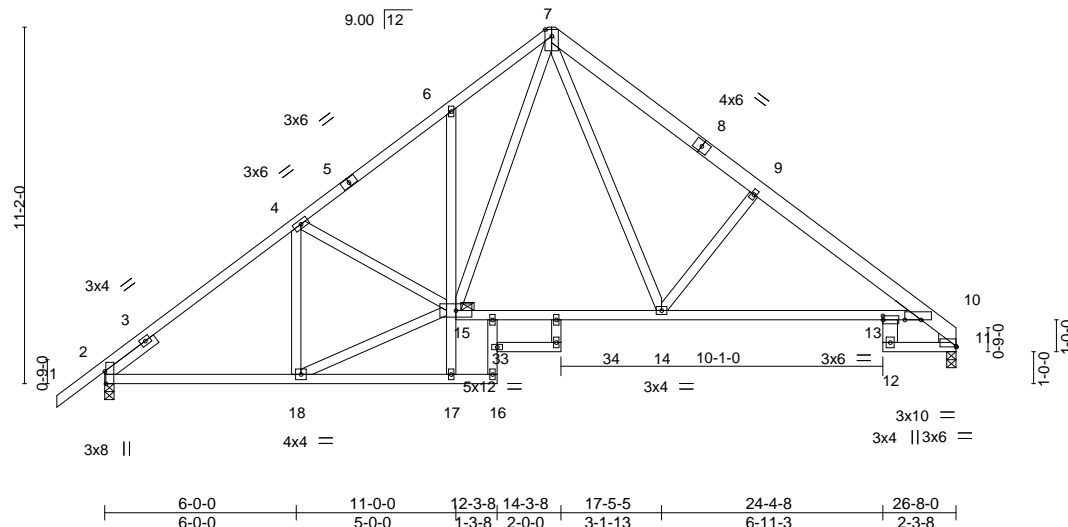


Plate Offsets (X,Y)-- [2:0-4-10,Edge], [10:0-6-1,0-0-0], [11:0-0-0,0-0-5], [13:0-0-0,0-1-8]									
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	0.16 13-14 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.34 13-14 >928 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.14 11 n/a n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS				Weight: 190 lb	FT = 20%

**LUMBER-**

TOP CHORD    2x4 SP No.2 \*Except\*  
                  7-8,8-11: 2x6 SP No.2  
 BOT CHORD    2x4 SP No.2 \*Except\*  
                  6-17,20-21: 2x4 SP No.3, 12-13: 2x6 SP No.2  
 WEBS           2x4 SP No.3  
 WEDGE  
 Right: 2x4 SP No.3  
 SLIDER        Left 2x4 SP No.3 1-11-8

**BRACING-**

TOP CHORD	Structural wood sheathing directly applied or 3-11-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
	10-0-0 oc bracing: 15-17, 14-15
JOINTS	1 Brace at Jt(s): 15

**REACTIONS.**

(size) 2=0-3-8, 11=0-3-8  
 Max Horz 2=346(LC 9)  
 Max Uplift 2=-393(LC 12), 11=-330(LC 13)  
 Max Grav 2=1086(LC 1), 11=997(LC 1)

## FORCES

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

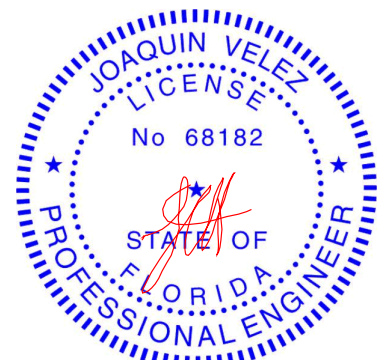
**TOP CHORD** 2-4=-1284/552, 4-6=-1343/620, 6-7=-1450/765, 7-9=-1415/697, 9-10=-1523/667,  
10-11=-873/406

**BOT CHORD** 2-18=-464/1134, 6-15=-266/249, 14-15=-167/864, 13-14=-446/1268, 10-13=-287/966,  
11-12=-159/302

**WEBS** 4-18=-374/203, 15-18=-495/1229, 7-15=-494/920, 7-14=-328/729, 9-14=-580/420

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCdL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpI=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCdL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=393, 11=330.



Joaquin Velez PE No.68182  
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Date:

June 9, 2020



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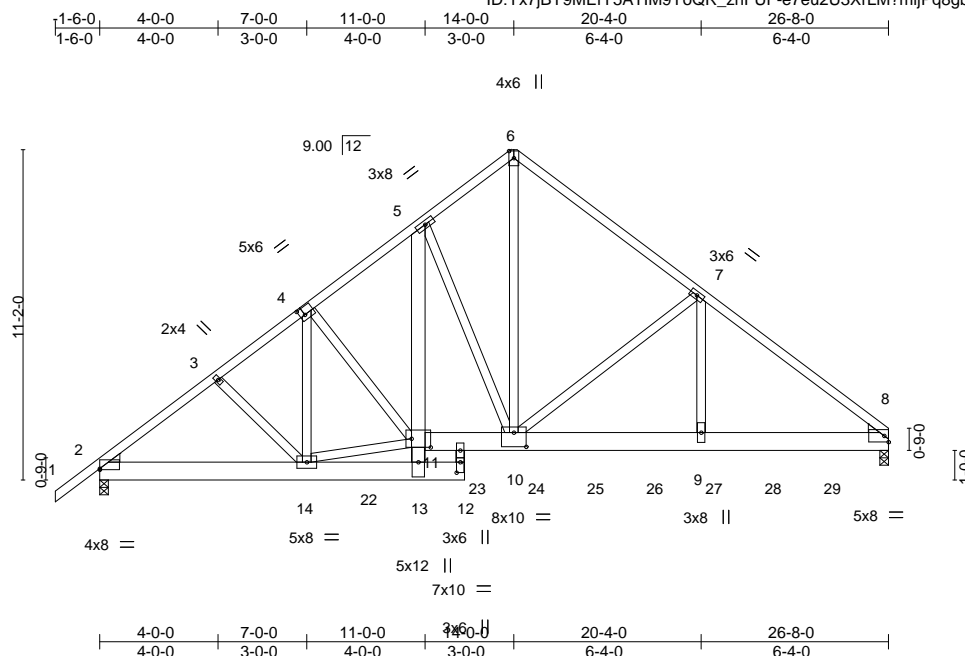
6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420683
2258676	T19	ROOF SPECIAL GIRDER	1	4	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:53 2020 Page 1

ID:Yx7jBY9MEFY5ATIM9YoQR\_zhFUF-e7eu2U3rLM?mljPq8gbHBmglbQAPa5xAAhy6iz80Gu



Scale = 1:77.9

Plate Offsets (X,Y)--		[2:0-0-0,0-0-7], [4:0-2-0,0-3-0], [10:0-5-0,0-5-12], [11:0-7-12,0-3-8], [12:0-4-4,0-1-8]									
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL	1.25	TC 0.64		Vert(LL)	0.12 12	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.56		Vert(CT)	-0.19 12	>999	180		
BCLL 0.0 *		Rep Stress Incr	NO	WB 0.61		Horz(CT)	0.04 8	n/a	n/a		
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MS						Weight: 918 lb	FT = 20%

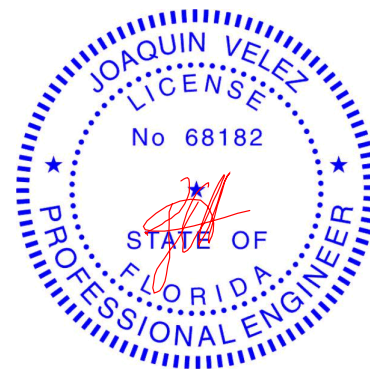
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x8 SP 2400F 2.0E \*Except\*  
5-13: 2x6 SP No.2  
WEBS 2x4 SP No.3 \*Except\*  
6-10: 2x4 SP No.2  
WEDGE  
Left: 2x4 SP No.3, Right: 2x4 SP No.3

**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. Except:  
10-0-0 oc bracing: 11-13

**REACTIONS.** (size) 8=0-3-8, 2=0-3-8  
Max Horz 2=345(LC 24)  
Max Uplift 8=-3147(LC 9), 2=-3432(LC 8)  
Max Grav 8=8665(LC 1), 2=7153(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-10620/5077, 3-4=-10510/5085, 4-5=-9811/4276, 5-6=-8012/3372, 6-7=-8133/3398,  
7-8=-11363/4226  
BOT CHORD 2-14=-4187/8367, 13-14=-1616/3344, 11-13=-1101/2827, 5-11=-2294/4042,  
10-11=-3336/7797, 9-10=-3297/9015, 8-9=-3297/9015  
WEBS 4-14=-1249/933, 11-14=-2608/5233, 4-11=-985/1216, 5-10=-3342/2024, 6-10=-3870/9229,  
7-10=-3299/1209, 7-9=-1049/3790

- NOTES-**
- 1) 4-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, 2x6 - 2 rows staggered at 0-9-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 4-14 2x4 - 1 row at 0-4-0 oc.  
Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
  - 2) 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.
  - 3) Unbalanced roof live loads have been considered for this design.
  - 4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
  - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=3147, 2=3432.



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

Continued on page 2

June 9,2020

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

Design valid for use only with 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



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Tampa, FL 36610



Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420683
2258676	T19	ROOF SPECIAL GIRDER	1	4	Job Reference (optional)	

- NOTES-**
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2727 lb down and 2206 lb up at 7-0-12, 1315 lb down and 610 lb up at 9-0-12, 1320 lb down and 415 lb up at 10-9-4, 1221 lb down and 385 lb up at 12-8-12, 1221 lb down and 385 lb up at 14-8-12, 1221 lb down and 385 lb up at 16-8-12, 1221 lb down and 385 lb up at 18-8-12, 1221 lb down and 385 lb up at 20-8-12, and 1378 lb down and 419 lb up at 22-8-12, and 1332 lb down and 421 lb up at 24-8-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) Filler applied to ply: 1(Front)

- LOAD CASE(S)** Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-6=-54, 6-8=-54, 13-19=-20, 12-13=-20, 11-16=-20
- Concentrated Loads (lb)
- Vert: 13=-1255(B) 14=-2727(B) 22=-1255(B) 23=-1167(B) 24=-1167(B) 25=-1167(B) 26=-1167(B) 27=-1167(B) 28=-1331(B) 29=-1332(B)

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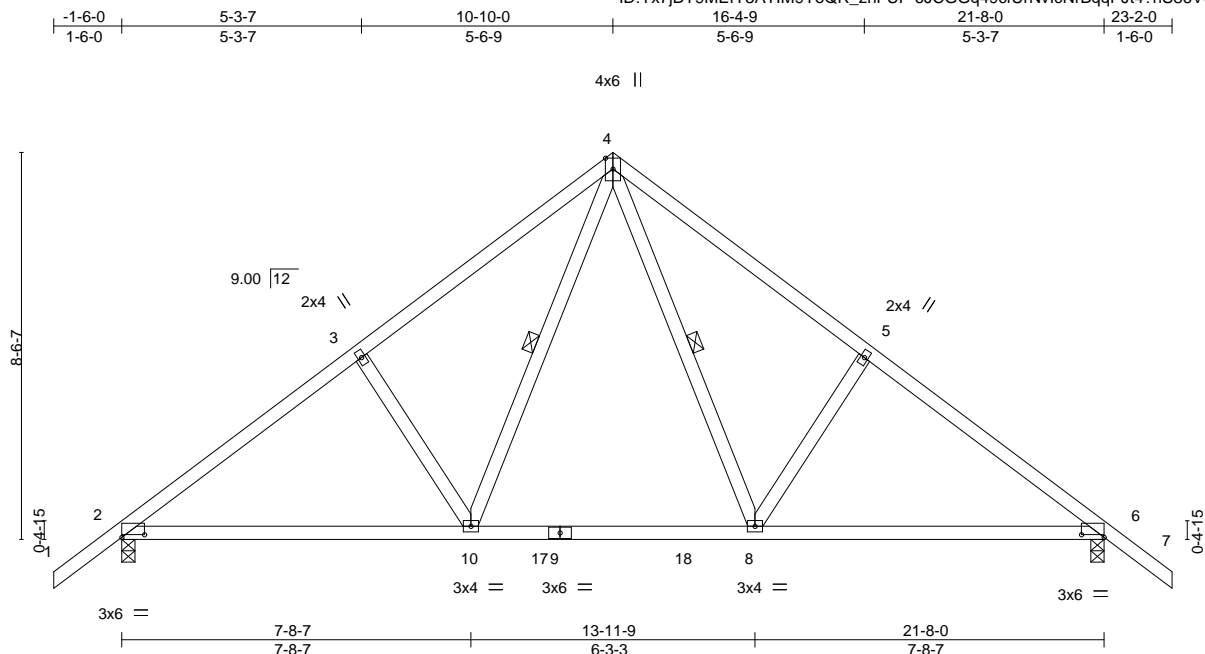
6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420684
2258676	T20	COMMON	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:54 2020 Page 1

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Scale = 1:50.8

Plate Offsets (X,Y)-- [2:0-6-0,0-0-11], [6:0-6-0,0-0-11]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.51	Vert(LL)	0.19	8-16	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.49	Vert(CT)	-0.17	8-16	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.28	Horz(CT)	0.02	6	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						
	Code FBC2017/TPI2014						Weight: 117 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 5-5-4 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 5-8-15 oc bracing.  
WEBS 1 Row at midpt 4-8, 4-10

#### REACTIONS.

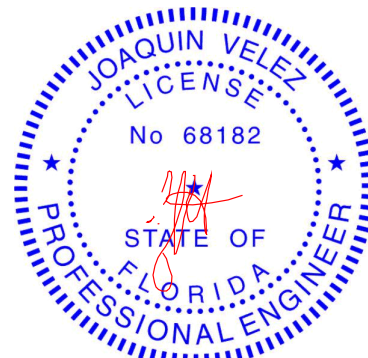
(size) 2=0-3-8, 6=0-3-8  
Max Horz 2=288(LC 11)  
Max Uplift 2=-333(LC 12), 6=-333(LC 13)  
Max Grav 2=883(LC 1), 6=883(LC 1)

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

TOP CHORD 2-3=-1070/1179, 3-4=-934/1236, 4-5=-934/1236, 5-6=-1070/1179  
BOT CHORD 2-10=-814/806, 8-10=-400/549, 6-8=-822/806  
WEBS 4-8=-690/438, 5-8=-365/331, 4-10=-691/438, 3-10=-365/331

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) 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
- 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) except (jt=lb) 2=333, 6=333.



Joaquin Velez PE No.68182  
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Date:

June 9,2020

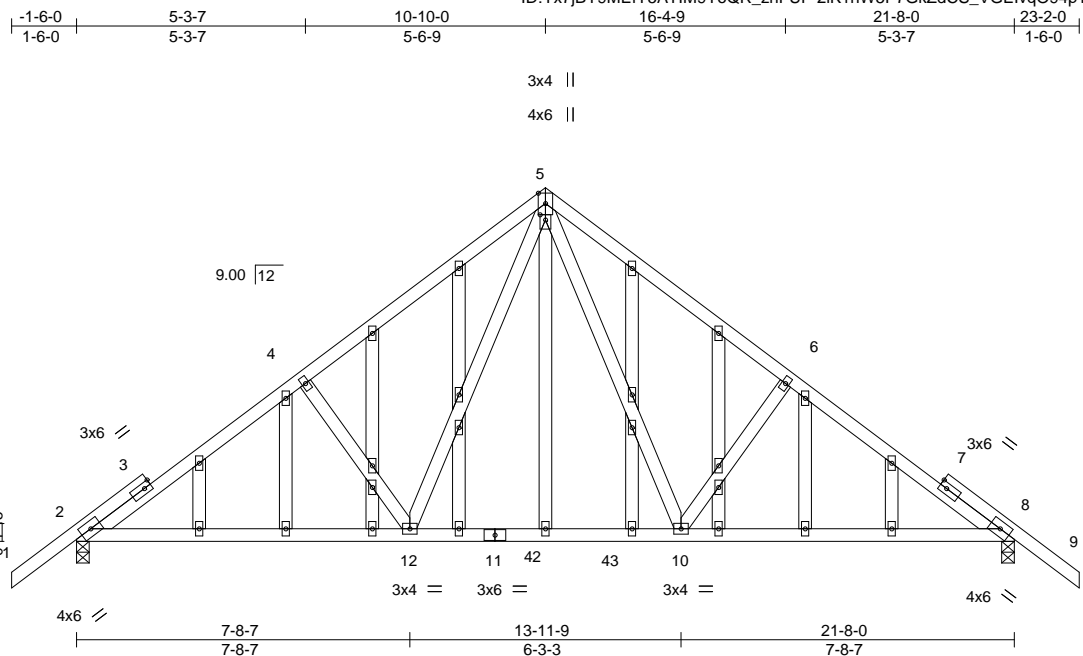
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6904 Parke East Blvd.  
Tampa, FL 33610

Job 2258676	Truss T20G	Truss Type GABLE	Qty 1	Ply 1	IC CONST. - LOT 10 HPF T20420685
Builders FirstSource, Jacksonville, FL - 32244,					



Scale = 1:53.2

Plate Offsets (X,Y)-- [5:0-1-7,0-1-8]												
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d				<b>PLATES</b> <b>GRIP</b>		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	0.18	10-40	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.16	10-40	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 176 lb	FT = 20%

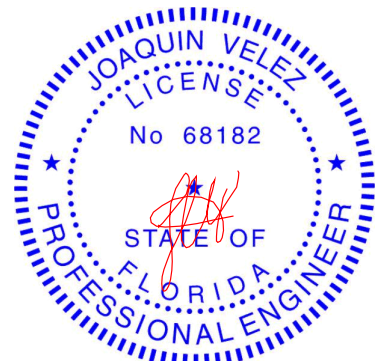
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3  
OTHERS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 4-9-6 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 5-7-5 oc bracing.

**REACTIONS.** (size) 2=0-3-8, 8=0-3-8  
Max Horz 2=-277(LC 10)  
Max Uplift 2=-336(LC 12), 8=-336(LC 13)  
Max Grav 2=880(LC 1), 8=880(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-4=-1064/1219, 4-5=-965/1262, 5-6=-965/1262, 6-8=-1064/1219  
BOT CHORD 2-12=-885/858, 10-12=-417/547, 8-10=-895/858  
WEBS 4-12=-394/374, 5-12=-716/456, 5-10=-716/456, 6-10=-394/374

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - 4) All plates are 2x4 MT20 unless otherwise indicated.
  - 5) Gable studs spaced at 2-0-0 oc.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* 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.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=336, 8=336.



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

June 9,2020

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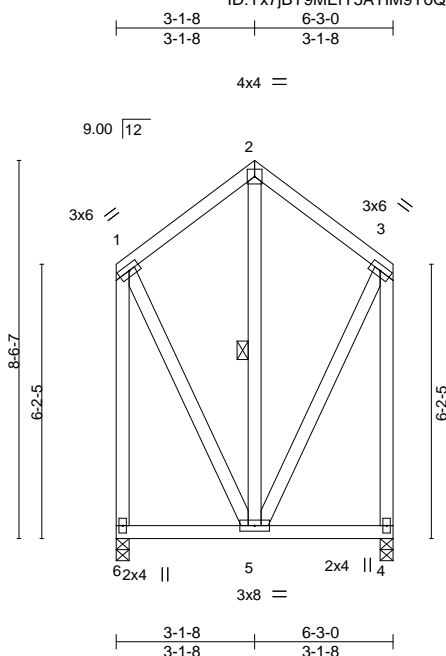
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - LOT 10 HPF	T20420686
2258676	T21	COMMON	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 9 12:32:57 2020 Page 1

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Scale = 1:52.0

<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in	(loc)	I/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.16	Vert(LL)	-0.00	5-6	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.08	Vert(CT)	-0.01	5-6	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	-0.00	4	n/a	n/a		
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MP						Weight: 69 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.  
WEBS 1 Row at midpt 2-5

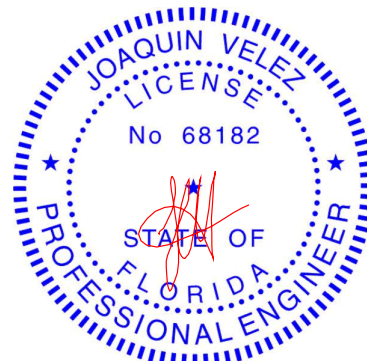
#### REACTIONS.

(size) 6=0-3-8, 4=0-3-8  
Max Horz 6=70(LC 9)  
Max Uplift 6=-111(LC 13), 4=-111(LC 12)  
Max Grav 6=240(LC 20), 4=240(LC 19)

**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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) 6=111, 4=111.



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

June 9,2020

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

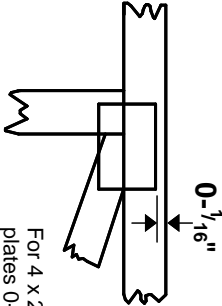
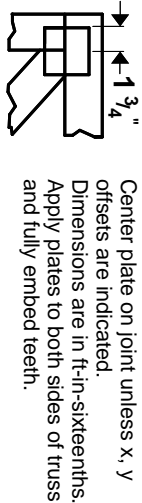
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



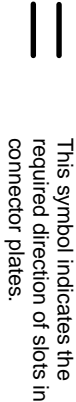
6904 Parke East Blvd.  
Tampa, FL 36610

# Symbols

## PLATE LOCATION AND ORIENTATION



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.



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

## PLATE SIZE

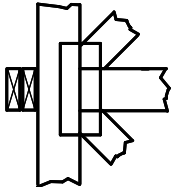
4 X 4

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

## LATERAL BRACING LOCATION



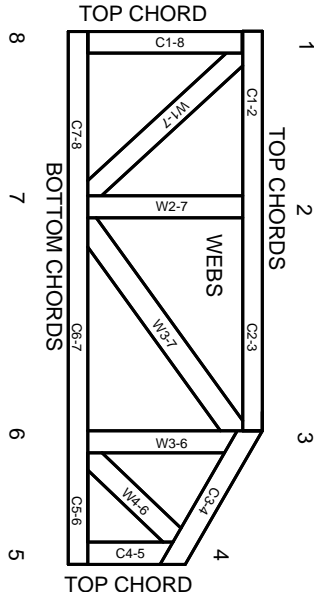
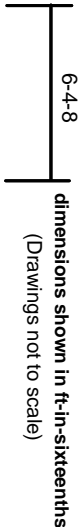
## BEARING



## Industry Standards:

ANSI/TPI 1: National Design Specification for Metal Plate Connected Wood Truss Construction.  
DSB-89: Design Standard for Bracing.  
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

# Numbering System



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

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

## PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-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/TPI 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. 10/03/2015



# 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 ware at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 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/TPI 1 Quality Criteria.