



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

73

RE: 2455492 - SAMUEL MODEL - LOT 19 HA

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Cornerstone Dev Project Name: Spec Hse Model: Samuel Gable
Lot/Block: 10 Subdivision: Haight Ashbury
Address: 315 SE Lindale Glen, 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: State:
City:

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 32 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	T21106765	CJ01	8/25/20	23	T21106787	T12	8/25/20
2	T21106766	CJ02	8/25/20	24	T21106788	T13	8/25/20
3	T21106767	CJ03	8/25/20	25	T21106789	T14	8/25/20
4	T21106768	CJ04	8/25/20	26	T21106790	T15	8/25/20
5	T21106769	CJ05	8/25/20	27	T21106791	T16	8/25/20
6	T21106770	CJ06	8/25/20	28	T21106792	T17	8/25/20
7	T21106771	EJ01	8/25/20	29	T21106793	T18	8/25/20
8	T21106772	EJ02	8/25/20	30	T21106794	T19	8/25/20
9	T21106773	HJ01	8/25/20	31	T21106795	T20	8/25/20
10	T21106774	HJ02	8/25/20	32	T21106796	T21	8/25/20
11	T21106775	T02	8/25/20				
12	T21106776	T02G	8/25/20				
13	T21106777	T03	8/25/20				
14	T21106778	T04	8/25/20				
15	T21106779	T04G	8/25/20				
16	T21106780	T05	8/25/20				
17	T21106781	T06	8/25/20				
18	T21106782	T07	8/25/20				
19	T21106783	T08	8/25/20				
20	T21106784	T09	8/25/20				
21	T21106785	T10	8/25/20				
22	T21106786	T11	8/25/20				



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:

August 25,2020

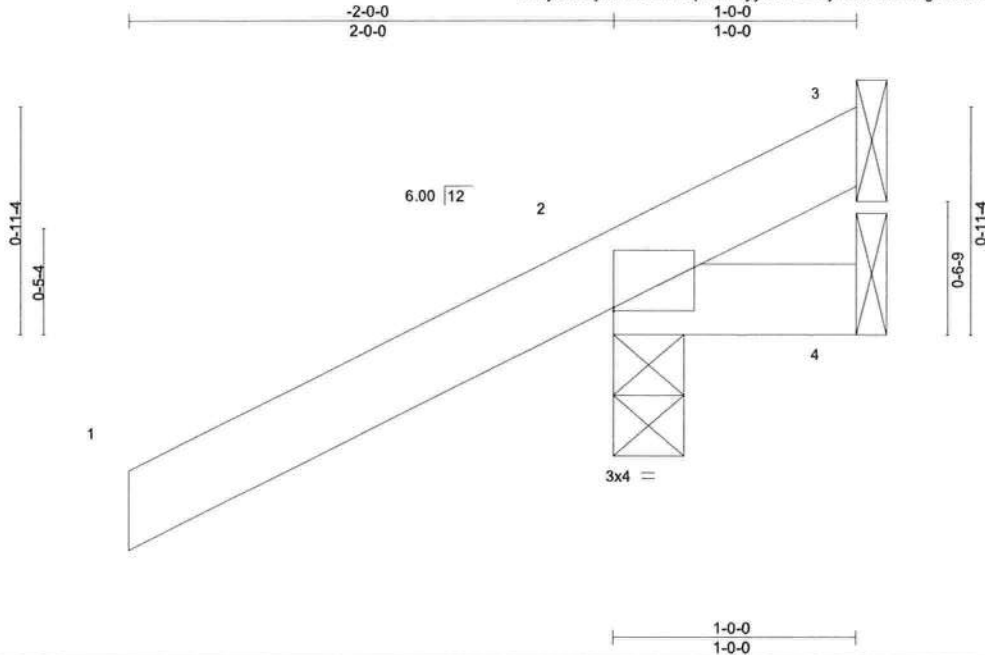
Velez, Joaquin

1 of 1

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106765
2455492	CJ01	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:19 2020 Page 1
ID:0yrXDNjrxhKUZiS4sq5QxWyyQw7-zVrYscQ7QHMTgKQnzOfpO8nyhU_MyZbS4c?JwNykaig



Scale = 1:9.5

Plate Offsets (X,Y)-- [2:0-0-0,0-0-3]

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 0.32	Vert(LL)	0.00	7	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	0.00	7	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	2	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						
								Weight: 7 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=66(LC 12)
Max Uplift 3=-28(LC 1), 2=-157(LC 12), 4=-45(LC 1)
Max Grav 3=23(LC 16), 2=254(LC 1), 4=42(LC 16)

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

NOTES- (6)
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) 3, 4 except (jt=lb) 2=157.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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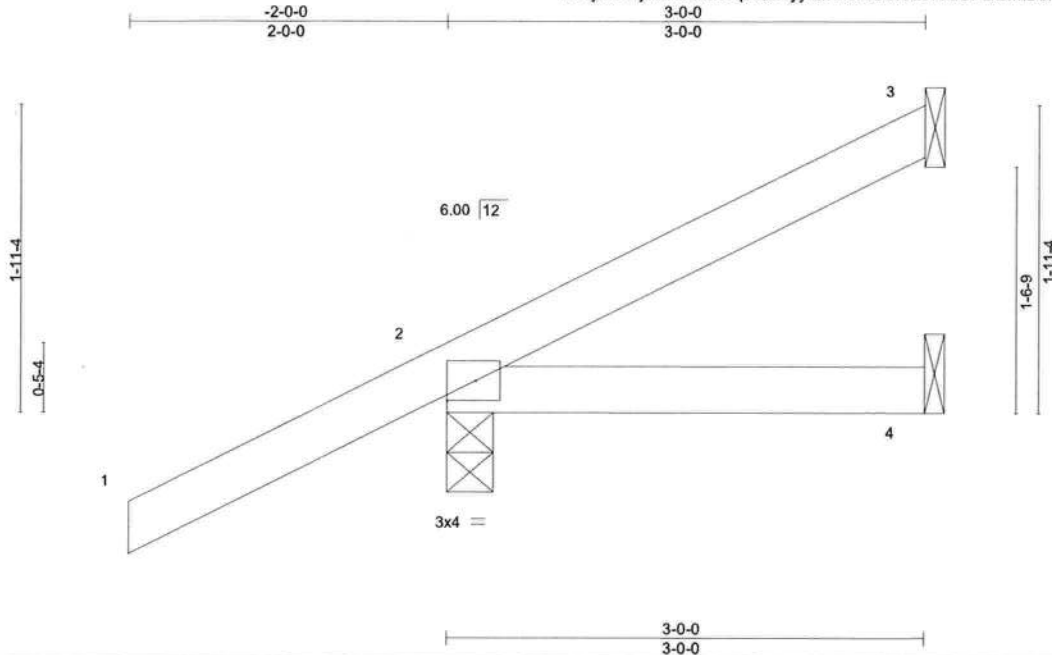
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106766
2455492	CJ02	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:25 2020 Page 1
ID:0yrXDNjrxhKUZiS4sq5QxWyyQw7-ofCD6fVu077dOFuxJfmDeP1zAv1_MH4LSYSe71ykaja



Scale = 1:14.6

Plate Offsets (X,Y)-- [2:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.32	Vert(LL)	-0.00	4-7	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	-0.01	4-7	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						
								Weight: 13 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=113(LC 12)
Max Uplift 3=-51(LC 12), 2=-124(LC 12)
Max Grav 3=53(LC 1), 2=253(LC 1), 4=48(LC 3)

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

NOTES- (6)

- 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) 3 except (jt=lb) 2=124.
- 6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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August 25,2020

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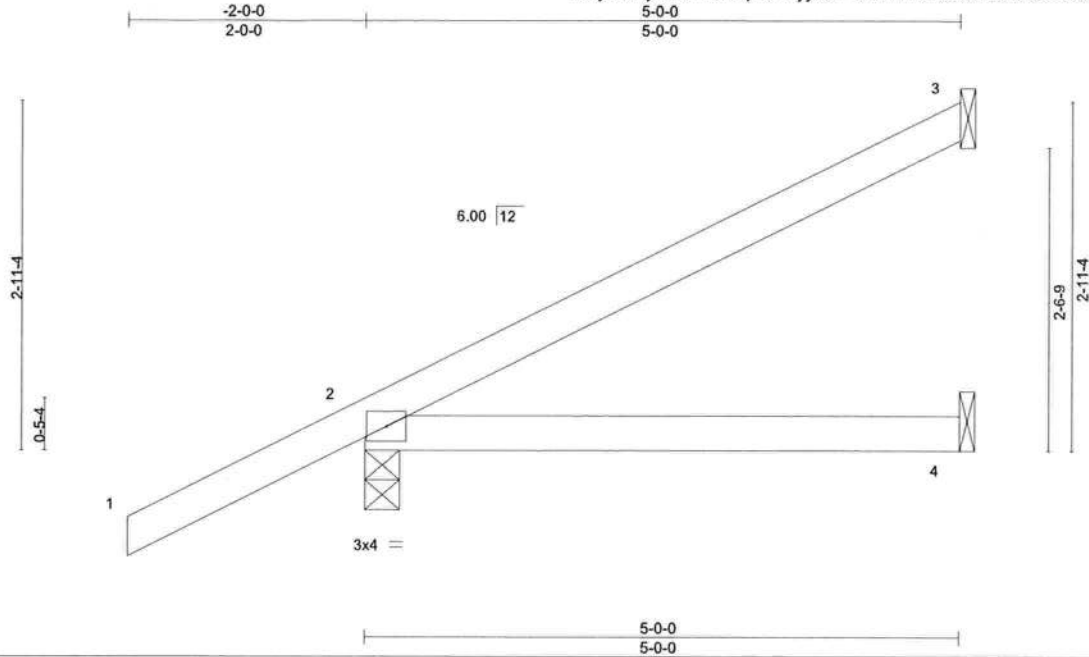


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106767
2455492	CJ03	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:28 2020 Page 1
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Scale = 1:19.5

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.32	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.23	Vert(CT)	-0.05	4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						Weight: 19 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=162(LC 12)
Max Uplift 3=-101(LC 12), 2=-135(LC 12)
Max Grav 3=109(LC 1), 2=313(LC 1), 4=87(LC 3)

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

- NOTES-** (6)
- 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) except (jt=lb) 3=101, 2=135.
 - 6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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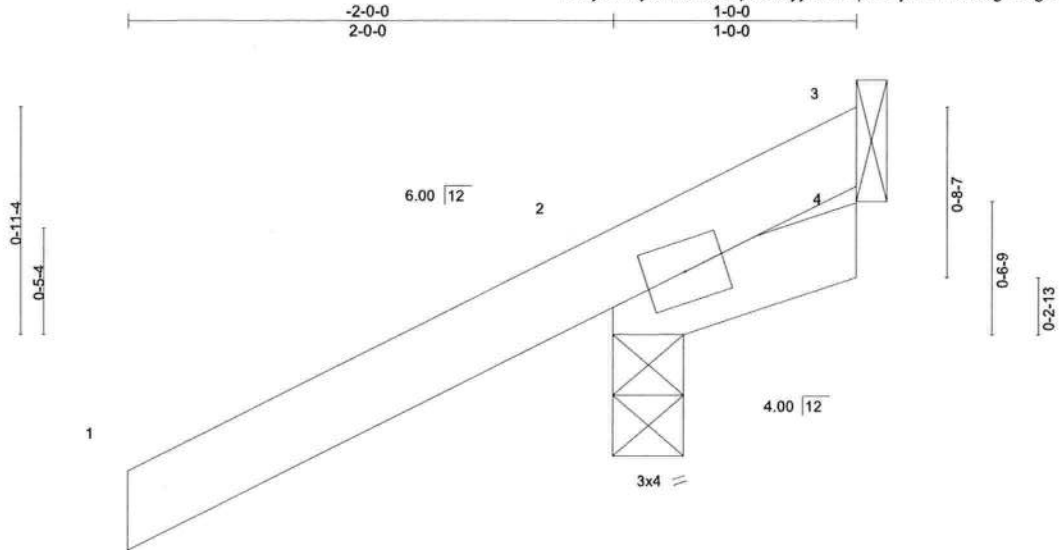


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106768
2455492	CJ04	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:31 2020 Page 1
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Scale = 1:9.5

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.32	Vert(LL)	0.00	7	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.05	Vert(CT)	0.00	7	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	2	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						
								Weight: 7 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

(size) 3=Mechanical, 2=0-3-8
Max Horz 2=66(LC 12)
Max Uplift 3=-73(LC 1), 2=-151(LC 12)
Max Grav 3=60(LC 16), 2=254(LC 1)

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

NOTES- (7)

- 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=1b) 2=151.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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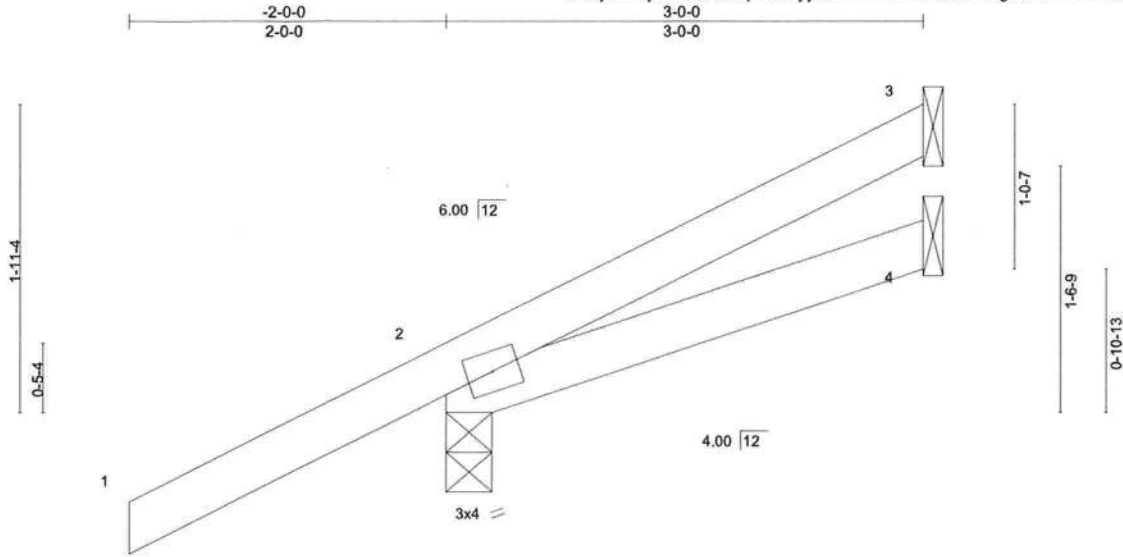


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106769
2455492	CJ05	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:34 2020 Page 1
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Scale = 1:14.6

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.32	Vert(LL)	-0.00 4-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.08	Vert(CT)	-0.01 4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00 3	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP					Weight: 13 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=113(LC 12)
Max Uplift 3=-50(LC 12), 2=-120(LC 12)
Max Grav 3=51(LC 1), 2=253(LC 1), 4=47(LC 3)

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

NOTES- (7)

- 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.
- Refer to girder(s) for truss to truss connections.
- Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=120.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

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

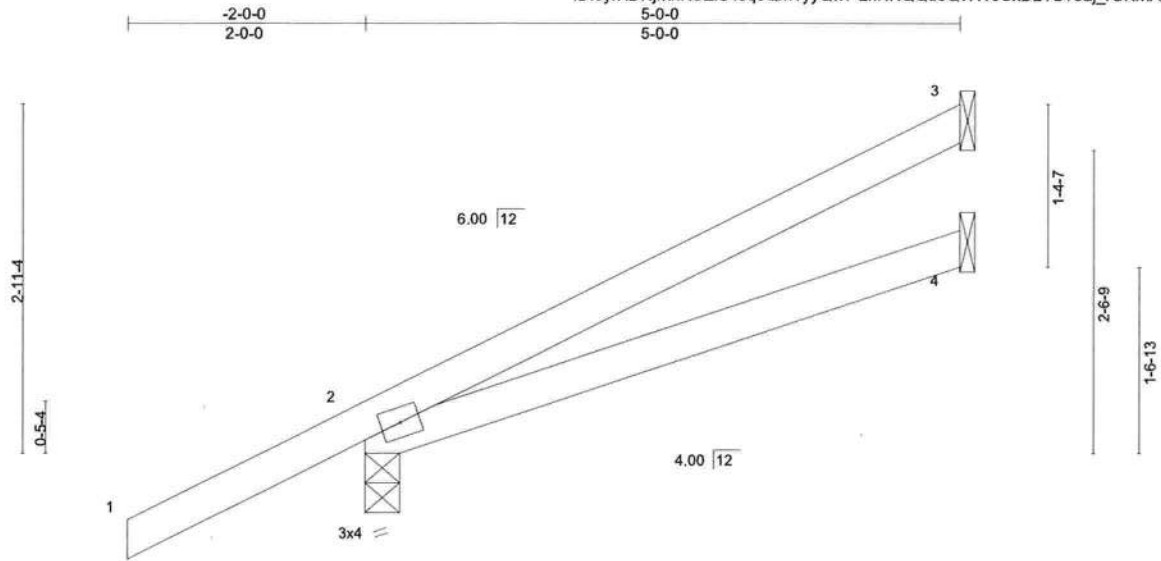


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106770
2455492	CJ06	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244.

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:36 2020 Page 1
ID:0yrXDNjrxhKUZIS4sq5QxWyyQw7-znNNQqdoQWW3Cx2TSToaj_rOKmARFpz_lcj0uykajP



Scale = 1:19.5

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	Vert(LL)	0.03	4-7	>999	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.23	Vert(CT)	-0.05	4-7	>999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	0.01	3	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MP					Weight: 20 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=162(LC 12)
Max Uplift 3=-100(LC 12), 2=-132(LC 12), 4=-4(LC 12)
Max Grav 3=108(LC 1), 2=313(LC 1), 4=86(LC 3)

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

NOTES- (7)

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=132.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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Date:

August 25, 2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106771
2455492	EJ01	Jack-Partial	16	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:37 2020 Page 1
ID:0yrXDNjrxhKUZiS4sq5QxWyyQw7-RzxmemeQBpewq5oF0A_17xXxlk2yAi36DPMGYKykaJO

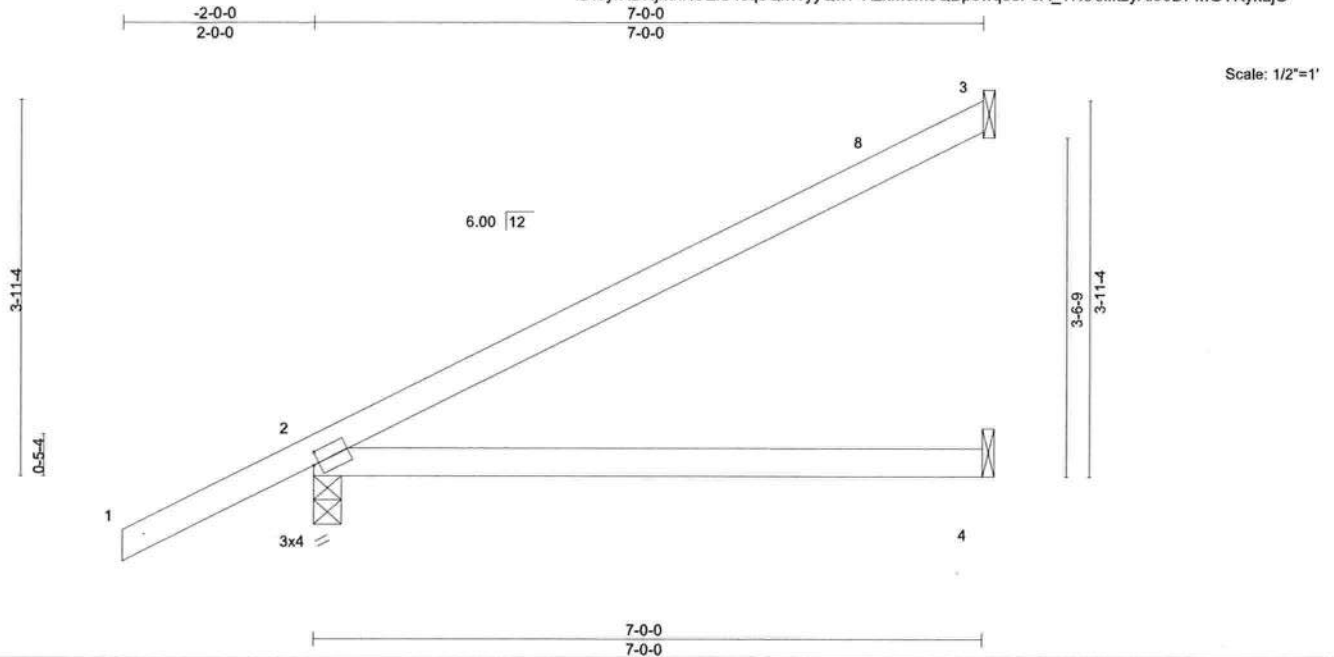


Plate Offsets (X,Y)--		[2:0-0-12,0-1-8]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.70	Vert(LL) 0.12 4-7 >673 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.51	Vert(CT) -0.21 4-7 >389 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.01 3 n/a n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MP			
				Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=204(LC 12)
Max Uplift 3=132(LC 12), 2=154(LC 12), 4=4(LC 12)
Max Grav 3=161(LC 1), 2=380(LC 1), 4=125(LC 3)

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

NOTES- (6)
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" tall by 2'-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) 4 except (jt=lb) 3=132, 2=154.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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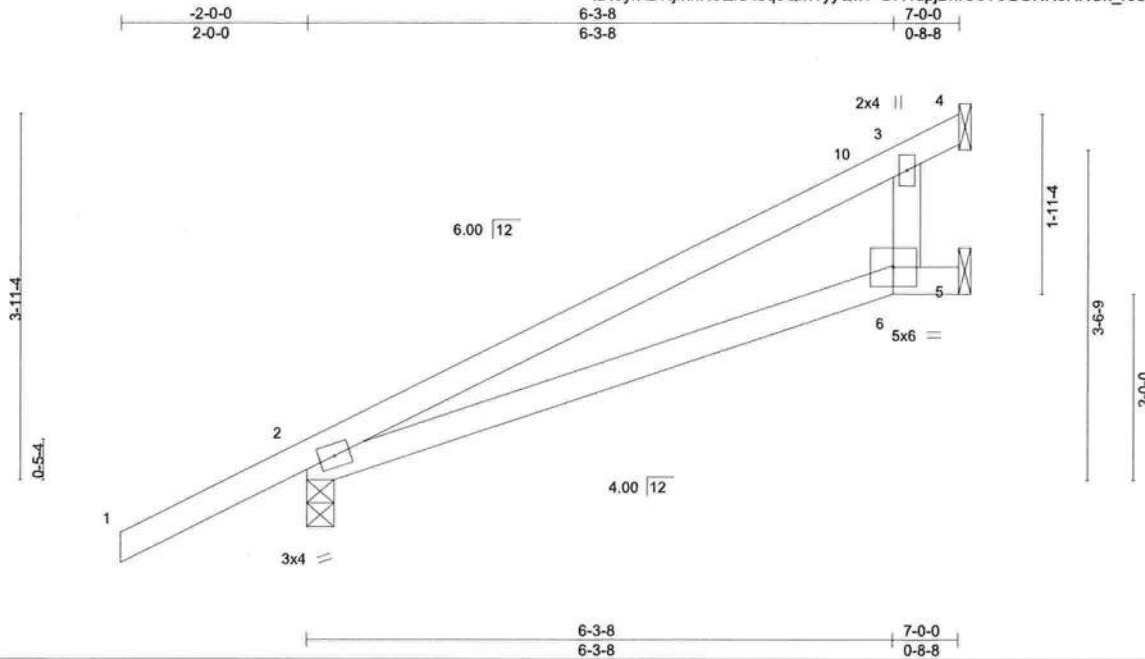
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Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106772
2455492	EJ02	Jack-Partial	8	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:43 2020 Page 1

ID:0yrXDNjrxhKUZIS4sq5QxWyyQw7-G711upjBnfO3Y0GONR5RNCn_r95haQl_bLpbm_ykajl



Scale = 1:24.9

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.63	Vert(LL)	0.15	6-9	>546	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.49	Vert(CT)	-0.19	6-9	>427	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.02	5	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						
								Weight: 28 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.
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=204(LC 12)
Max Uplift 4=-141(LC 12), 2=-152(LC 12)
Max Grav 4=235(LC 1), 2=380(LC 1), 5=13(LC 3)

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

NOTES- (7)

- 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=141, 2=152.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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August 25,2020

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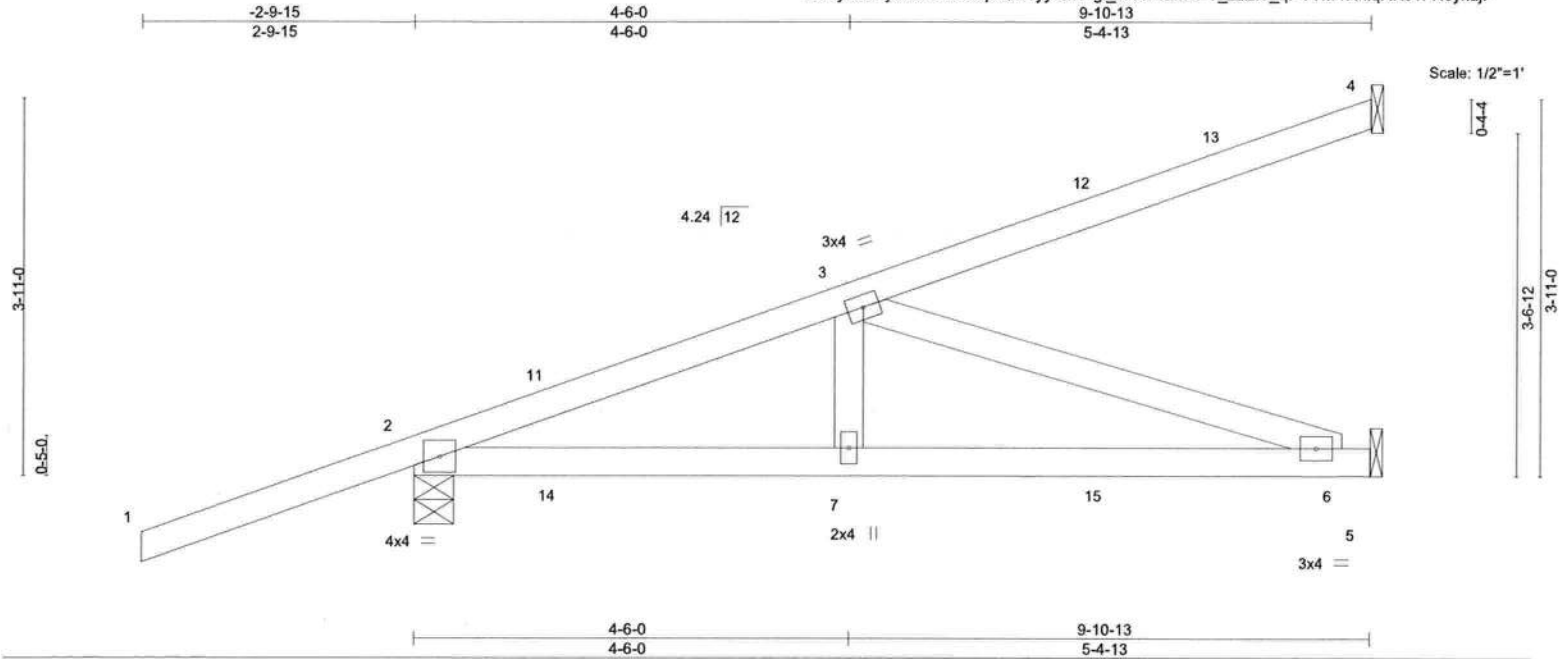


6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106773
2455492	HJ01	Diagonal Hip Girder	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:46 2020 Page 1
ID:0yrXDNjrxhKUZIS4sq5QxWyyQw7-gi_9Xrl34amePT_z2Zf8_qPVTM4RniqRHJ1FNJykajF



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.60	Vert(LL)	-0.06 6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.61	Vert(CT)	-0.13 6-7	>925	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.35	Horz(CT)	-0.01 4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 45 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 9-8-9 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 4=Mechanical, 2=0-4-15, 5=Mechanical
Max Horz 2=227(LC 4)
Max Uplift 4=-124(LC 4), 2=-268(LC 4), 5=-105(LC 8)
Max Grav 4=152(LC 1), 2=465(LC 1), 5=267(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-625/283
BOT CHORD 2-7=-328/564, 6-7=-328/564
WEBS 3-6=-594/346

- NOTES-** (8)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=124, 2=268, 5=105.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 86 lb down and 104 lb up at 1-5-12, 86 lb down and 104 lb up at 1-5-12, 26 lb down and 49 lb up at 4-3-11, 26 lb down and 49 lb up at 4-3-11, and 50 lb down and 108 lb up at 7-1-10, and 50 lb down and 108 lb up at 7-1-10 on top chord, and 33 lb down and 73 lb up at 1-5-12, 33 lb down and 73 lb up at 1-5-12, 28 lb down and 3 lb up at 4-3-11, 28 lb down and 3 lb up at 4-3-11, and 44 lb down and 15 lb up at 7-1-10, and 44 lb down and 15 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 7=6(F=3, B=3) 11=51(F=25, B=25) 12=-65(F=-33, B=-33) 14=68(F=34, B=34) 15=-47(F=-24, B=-24)



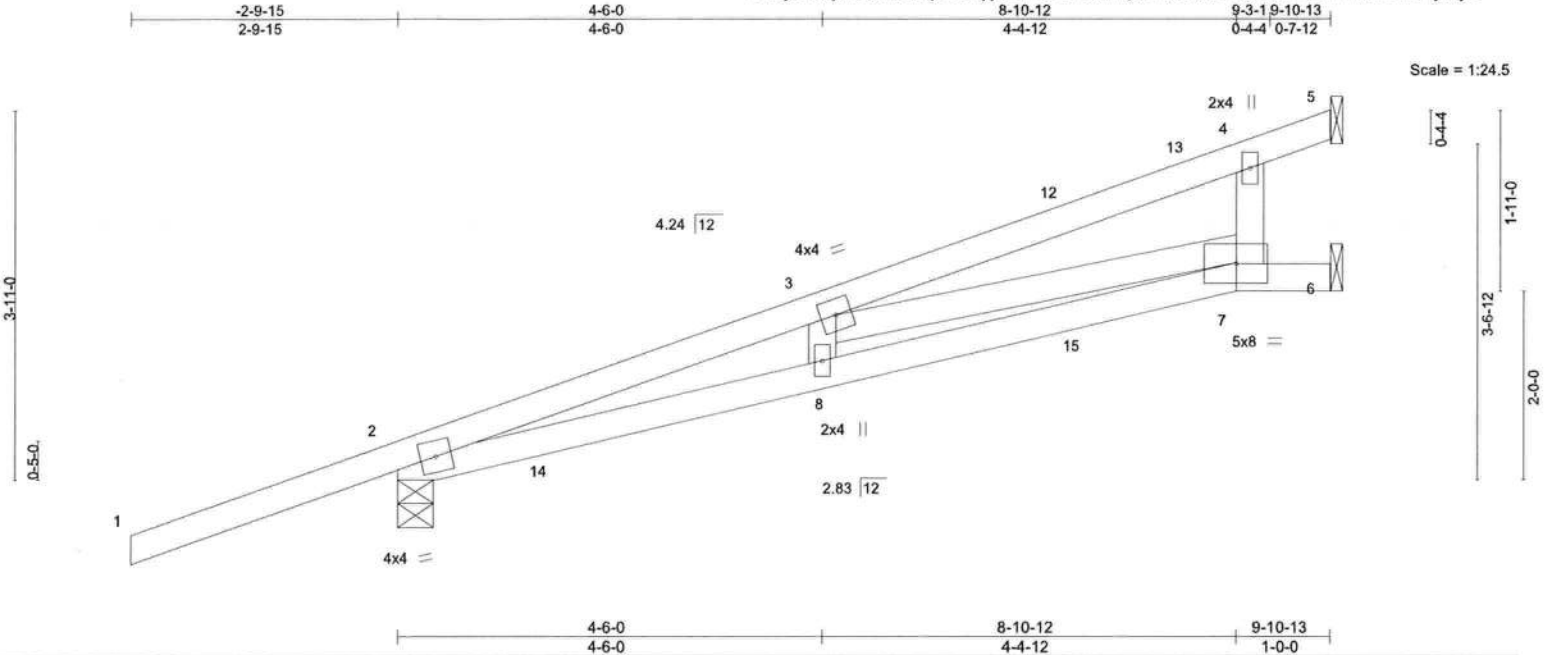
Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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August 25, 2020

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106774
2455492	HJ02	Diagonal Hip Girder	1	1		

Builders FirstSource, Jacksonville, FL - 32244.

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:47 2020 Page 1
ID:0yrXDNjrxhKUZiS4sq5QxWyyQw7-9uYXkBMhquuV1dZAcGANX2xdwmN1W7daWznovykajE



LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.82	Vert(LL) 0.21	7-8	>571	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.78	Vert(CT) -0.25	7-8	>468	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.51	Horz(CT) 0.05	6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS					Weight: 44 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 4-9-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-1-3 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-4-9, 6=Mechanical
Max Horz 2=227(LC 4)
Max Uplift 5=-144(LC 8), 2=-364(LC 4), 6=-106(LC 8)
Max Grav 5=275(LC 1), 2=500(LC 1), 6=135(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1289/765
BOT CHORD 2-8=-850/1205, 7-8=-851/1225
WEBS 3-7=-1170/830

- NOTES-** (9)
- 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; 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=144, 2=364, 6=106.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 26 lb down and 48 lb up at 4-3-11, 26 lb down and 48 lb up at 4-3-11, and 50 lb down and 107 lb up at 7-1-10, and 50 lb down and 107 lb up at 7-1-10 on top chord, and 53 lb down and 101 lb up at 1-5-12, 53 lb down and 101 lb up at 1-5-12, 27 lb down and 2 lb up at 4-3-11, 27 lb down and 2 lb up at 4-3-11, and 43 lb down and 18 lb up at 7-1-10, and 43 lb down and 18 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 7-9=-20, 6-7=-20
Concentrated Loads (lb)
Vert: 8=4(F=2, B=2) 12=-63(F=-32, B=-32) 14=79(F=40, B=40) 15=-49(F=-25, B=-25)



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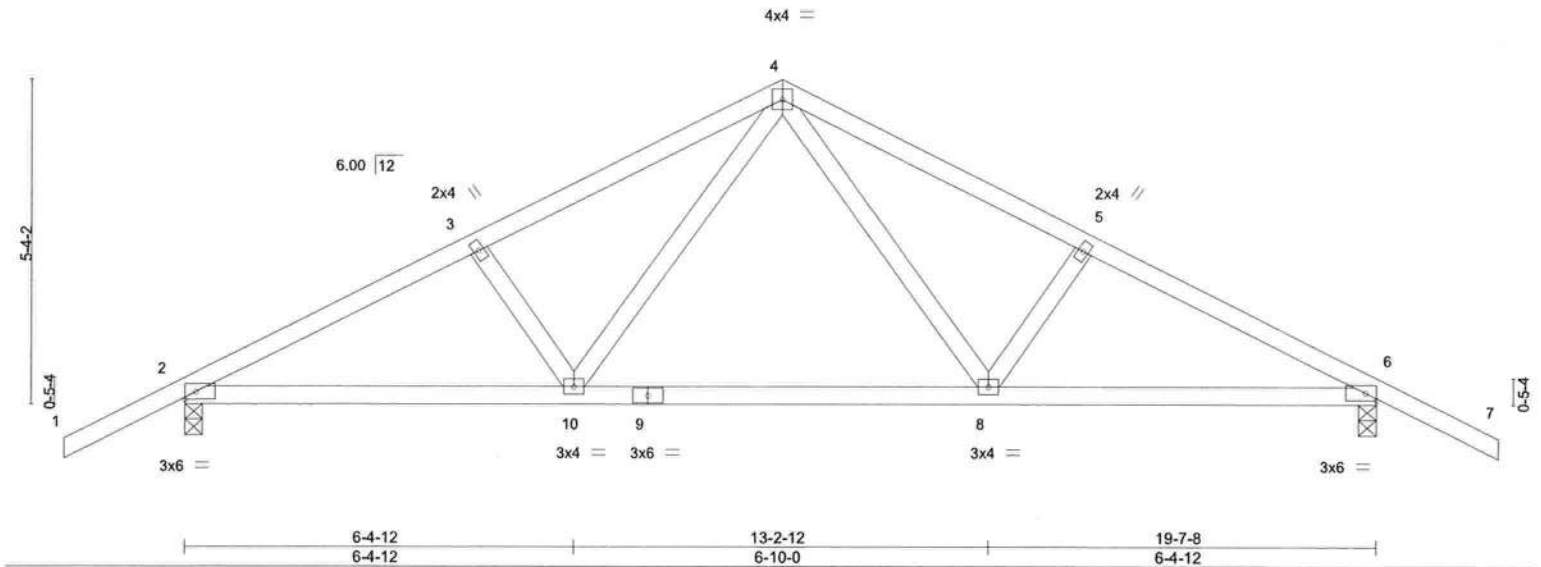
August 25,2020

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106775
2455492	T02	Common	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:47 2020 Page 1
ID:0yrXDNjrxhKUZiS4sq5QxWyyQw7-9uYXkBmhquuV1dZAcGANX2xi9mK2WBfaWznovlykajE
14-9-9 19-7-8 21-7-8
4-11-13 4-9-15 2-0-0

Scale = 1:38.1



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.48	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.97	Vert(LL) 0.22 8-10 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.25	Vert(CT) -0.35 8-10 >665 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.04 6 n/a n/a		
	Code FBC2017/TPI2014			Weight: 94 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-2-7 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 7-0-6 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=124(LC 16)
Max Uplift 2=435(LC 12), 6=435(LC 13)
Max Grav 2=1039(LC 1), 6=1039(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1688/890, 3-4=-1558/880, 4-5=-1558/880, 5-6=-1688/890
BOT CHORD 2-10=-644/1452, 8-10=-343/980, 6-8=-668/1452
WEBS 4-8=-342/653, 4-10=-342/653

- NOTES-** (7)
- 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) 2=435, 6=435.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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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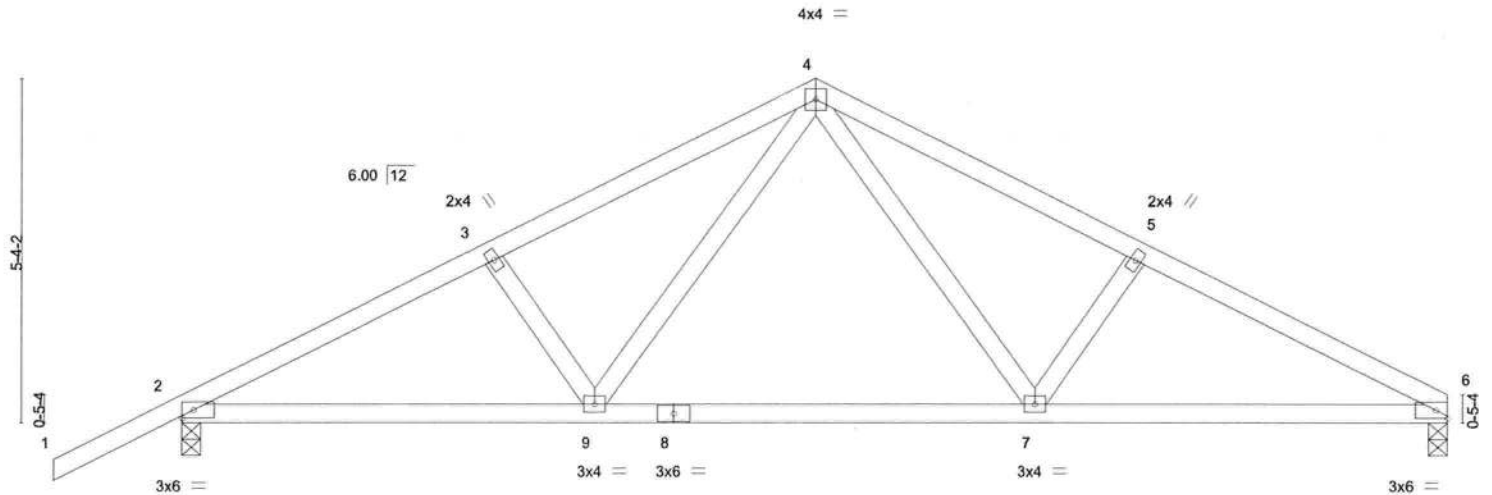
August 25,2020

Scale = 1:39.1

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106777
2455492	T03	Common	7	1	Job Reference (optional)	

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8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:49 2020 Page 1
ID:0yrXDNjrxhKUZIS4sq5QxWyyQw7-5Hf9snyMV8DGxjYjhCrcT12ea0f_3utzHGv_eykajC



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	in (loc)	l/defl	L/d	MT20	244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.97	Vert(LL)	0.22 7-9	>999 240			
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.27	Vert(CT)	-0.35 7-9	>676 180			
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Horz(CT)	0.04 6	n/a n/a			
										Weight: 91 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 4-2-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-7 oc bracing.

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=145(LC 16)
Max Uplift 6=364(LC 13), 2=437(LC 12)
Max Grav 6=926(LC 1), 2=1045(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1699/908, 3-4=-1569/898, 4-5=-1591/918, 5-6=-1723/929
BOT CHORD 2-9=-732/1462, 7-9=-409/992, 6-7=-756/1490
WEBS 4-7=-368/683, 5-7=-233/256, 4-9=-336/652

- NOTES-** (7)
- 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.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=364, 2=437.
 - 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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, 9-13=-20, 7-9=-80(F=-60), 7-10=-20



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

August 25,2020

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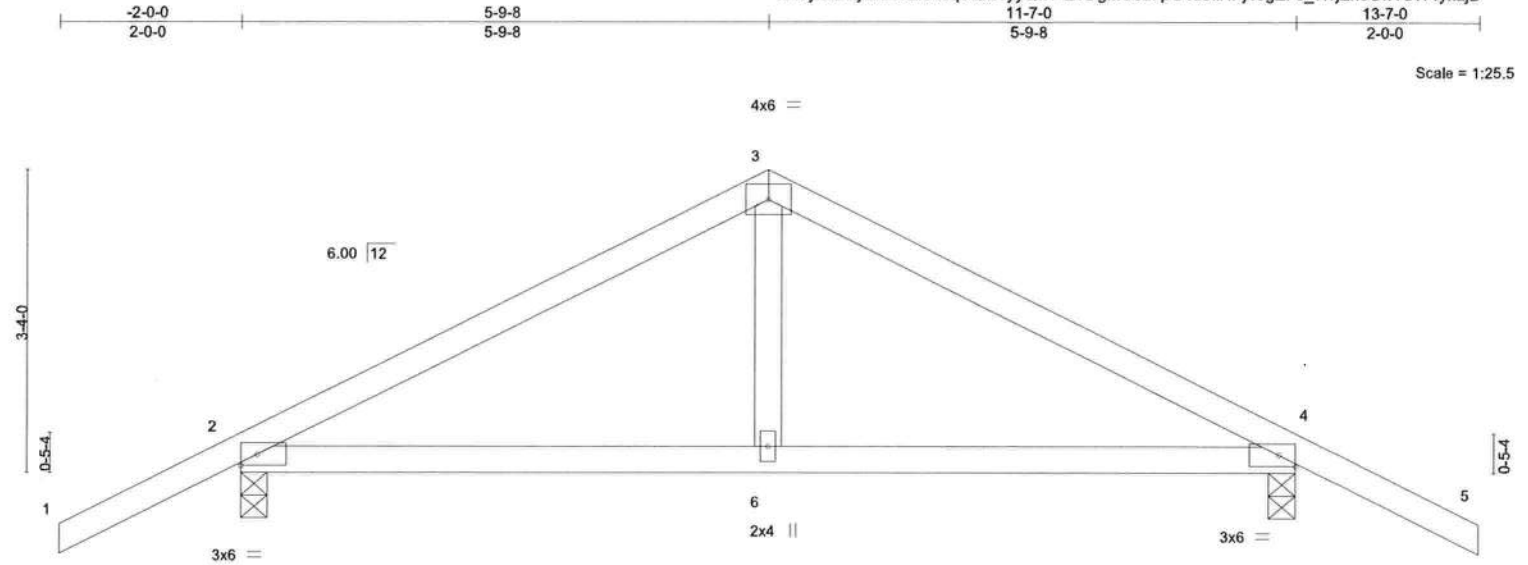


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106778
2455492	T04	COMMON	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:50 2020 Page 1
ID:0yrXDNjrxhKUZiS4sq5QxWyyQw7-ZTDgMCoa7pG4u5IHJPj49gZFfs_WrjZn0Cw?SW4ykajB



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.32	in (loc)	l/def	L/d	MT20	244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.33	Vert(LL)	0.03 6-9	>999 240			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Vert(CT)	-0.05 6-12	>999 180			
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Horz(CT)	0.00 4	n/a n/a			
								Weight: 48 lb FT = 20%			

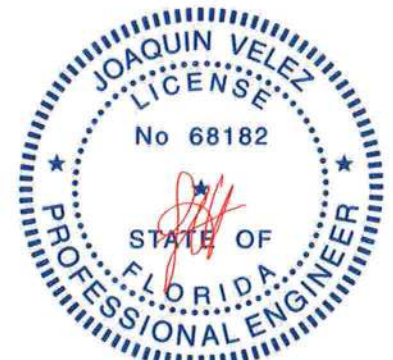
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=82(LC 12)
Max Uplift 2=-230(LC 12), 4=-230(LC 13)
Max Grav 2=537(LC 1), 4=537(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-547/297, 3-4=-547/297
BOT CHORD 2-6=-104/428, 4-6=-104/428
WEBS 3-6=0/253

- NOTES-** (6)
- 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) 2=230, 4=230.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106779
2455492	T04G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:51 2020 Page 1
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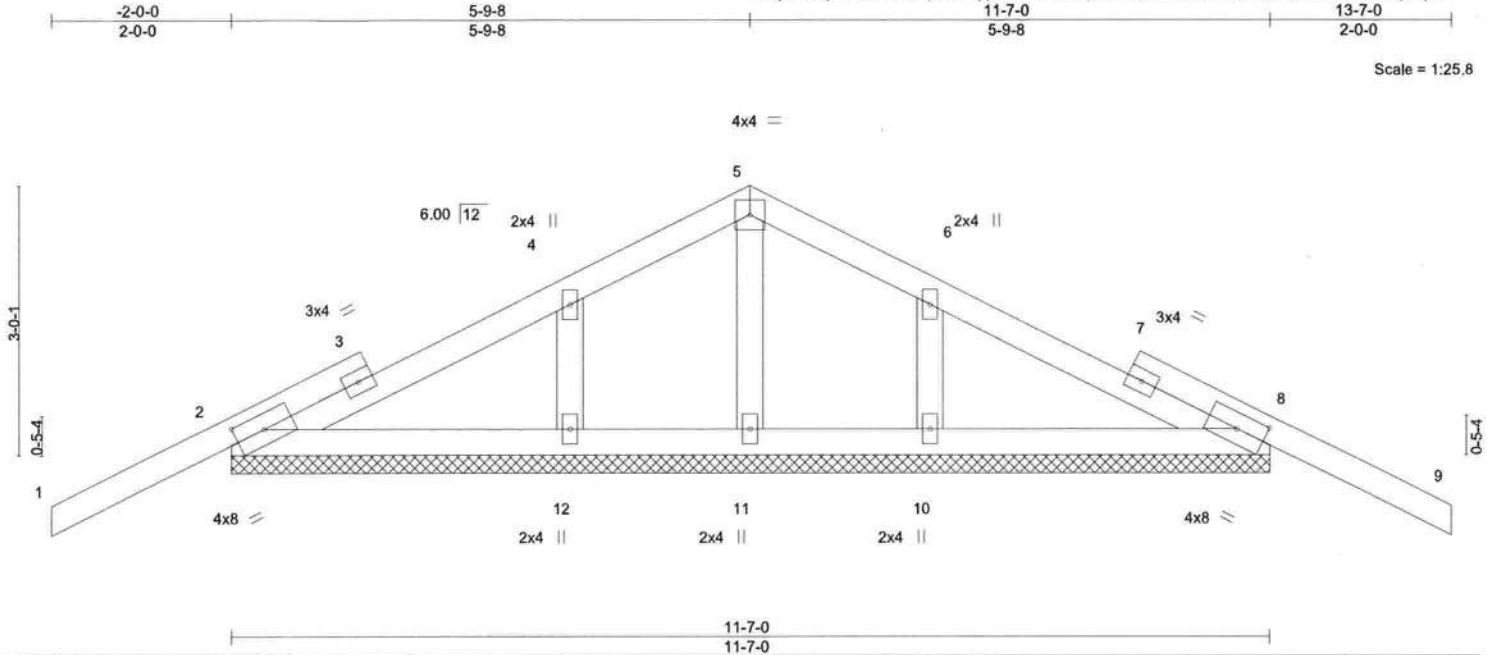


Plate Offsets (X,Y)-- [2-0-3-14,0-2-0], [8-0-3-14,0-2-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.30	Vert(LL)	-0.01	9	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	-0.02	9	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.00	8	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S					Weight: 55 lb	FT = 20%

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

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

REACTIONS. All bearings 11-7-0.
(lb) - Max Horz 2=75(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 11 except 2=125(LC 12), 8=138(LC 13), 12=129(LC 12), 10=132(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 11, 12, 10 except 2=253(LC 23), 8=253(LC 24)

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

NOTES- (9)

- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=125, 8=138, 12=129, 10=132.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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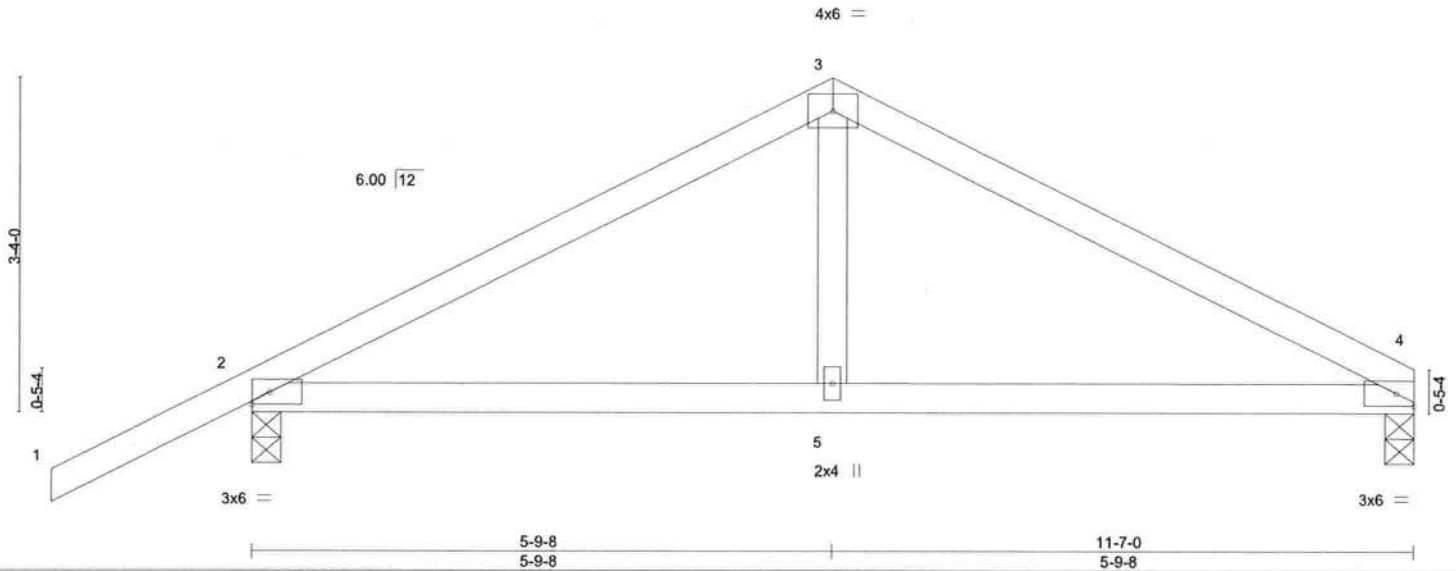


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Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106780
2455492	T05	Common	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:51 2020 Page 1
ID:0yrXDNjrxhKUZIS4sq5QxWyyQw7-1fn2aYpCu7PxWftr6EJhu6Q5NrxS0?ARal02WykajA



LOADING (psf)	SPACING-	CS.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.36	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.34	Vert(LL) 0.05 5-8 >999 240		
BCCL 0.0 *	Lumber DOL 1.25	WB 0.10	Vert(CT) -0.07 5-8 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.00 4 n/a n/a		
	Code FBC2017/TPI2014			Weight: 44 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.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 4=0-3-8, 2=0-3-8
Max Horz 2=103(LC 12)
Max Uplift 4=-157(LC 13), 2=-233(LC 12)
Max Grav 4=419(LC 1), 2=546(LC 1)

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

TOP CHORD 2-3=-574/341, 3-4=-570/337
BOT CHORD 2-5=-200/453, 4-5=-200/453
WEBS 3-5=-18/256

NOTES- (6)

- 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) 4=157, 2=233.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106781
2455492	T06	Half Hip Girder	1	1		

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8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:53 2020 Page 1
ID:0yrXDNjrxhKUZiS4sq5QxWyyQw7-z2vp?EqSQkfelY1JyXHnnJBggBQGwncTuue67Pykaj8

-2-0-0	7-0-0	11-6-14	16-8-0	21-9-3	26-4-0
2-0-0	7-0-0	4-6-14	5-1-2	5-1-3	4-6-14

Scale: 1/4"=1'

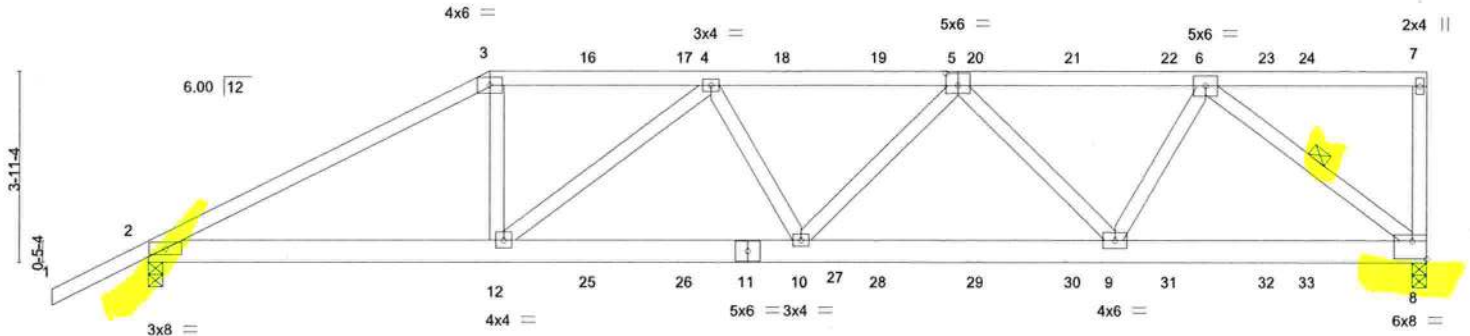


Plate Offsets (X,Y)--	[5:0-3-0,0-3-0], [8:Edge,0-4-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.79	Vert(LL) 0.21 10-12 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.67	Vert(CT) -0.29 10-12 >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.09 8 n/a n/a		
	Code FBC2017/TPI2014			Weight: 155 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-3: 2x4 SP M 31	TOP CHORD Structural wood sheathing directly applied or 2-6-12 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-1-6 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 6-8

REACTIONS. (size) 8=0-3-8, 2=0-3-8
Max Horz 2=213(LC 23)
Max Uplift 8=1225(LC 5), 2=1020(LC 8)
Max Grav 8=2257(LC 1), 2=1952(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3584/1855, 3-4=-3173/1735, 4-5=-3883/2060, 5-6=-2858/1503, 7-8=-289/231
BOT CHORD 2-12=-1718/3129, 10-12=-2113/3872, 9-10=-1979/3619; 8-9=-1238/2238
WEBS 3-12=-443/1066, 4-12=-897/595, 5-10=-162/450, 5-9=-1132/716, 6-9=-584/1342, 6-8=-2829/1566

- NOTES-** (8)
- 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
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=1225, 2=1020.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 183 lb down and 257 lb up at 7-0-0, 107 lb down and 132 lb up at 9-0-12, 107 lb down and 132 lb up at 11-0-12, 107 lb down and 132 lb up at 13-0-12, 107 lb down and 132 lb up at 15-0-12, 107 lb down and 127 lb up at 17-0-12, 107 lb down and 132 lb up at 19-0-12, 107 lb down and 132 lb up at 21-0-12, 107 lb down and 132 lb up at 23-0-12, and 107 lb down and 132 lb up at 23-10-12, and 126 lb down and 132 lb up at 26-2-4 on top chord, and 296 lb down and 157 lb up at 7-0-0, 85 lb down and 24 lb up at 9-0-12, 85 lb down and 24 lb up at 11-0-12, 85 lb down and 24 lb up at 13-0-12, 85 lb down and 24 lb up at 15-0-12, 85 lb down and 24 lb up at 17-0-12, 85 lb down and 24 lb up at 19-0-12, 85 lb down and 24 lb up at 21-0-12, 85 lb down and 24 lb up at 23-0-12, and 85 lb down and 24 lb up at 23-10-12, and 99 lb down and 17 lb up at 26-2-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

Continued on page 2



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Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106781
2455492	T06	Half Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:53 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: 1-3=-54, 3-7=-54, 8-13=-20

Concentrated Loads (lb)

Vert: 3=-183(B) 7=-126(B) 8=-67(B) 12=-282(B) 16=-107(B) 17=-107(B) 18=-107(B) 19=-107(B) 20=-107(B) 21=-107(B) 22=-107(B) 23=-107(B) 24=-107(B)
25=-60(B) 26=-60(B) 27=-60(B) 28=-60(B) 29=-60(B) 30=-60(B) 31=-60(B) 32=-60(B) 33=-60(B)

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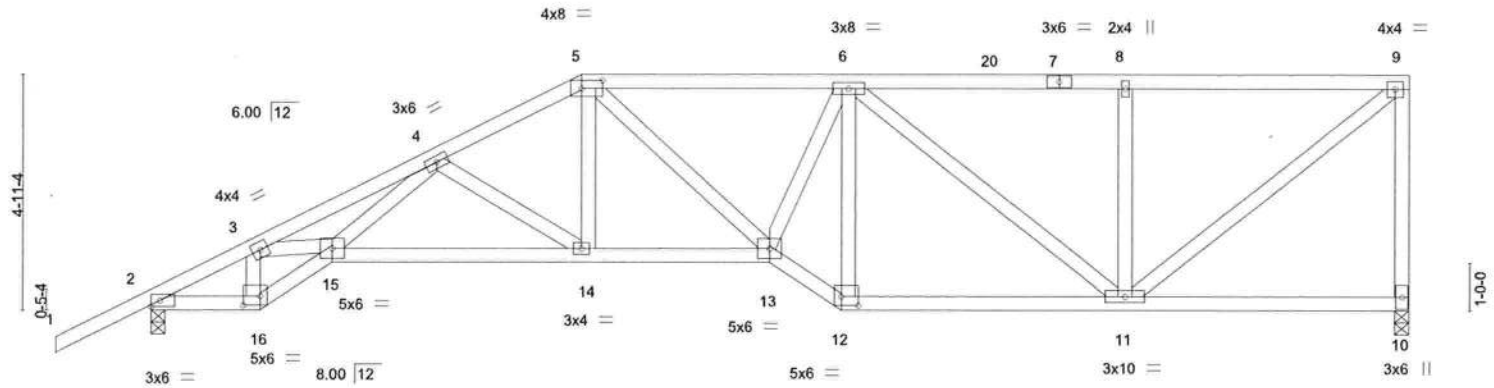


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8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:54 2020 Page 1
ID:0yrXDNjrxhKUZIS4sq5QxWyyQw7-RETBCar4B2nVNicWWEo0JWkvObpufE7c7Yzgfrykaj7

-2-0-0	2-3-8	5-11-11	9-0-0	14-5-8	20-4-12	26-4-0
2-0-0	2-3-8	3-8-3	3-0-5	5-5-8	5-11-4	5-11-4

Scale: 1/4"=1'



	2-3-8	3-9-8	9-0-0	12-11-8	14-5-8	20-4-12	26-4-0
	2-3-8	1-6-0	5-2-8	3-11-8	1-6-0	5-11-4	5-11-4
Plate Offsets (X,Y)--	[5:0-5-4,0-2-0], [12:0-4-4,0-2-4], [16:0-4-4,0-2-4]						

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.42	Vert(LL)	0.16 14-15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.58	Vert(CT)	-0.25 14-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.65	Horz(CT)	0.12 10	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 156 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-11-9 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 5-4-0 oc bracing.

REACTIONS.

(size) 10=0-3-8, 2=0-3-8
Max Horz 2=261(LC 12)
Max Uplift 10=-430(LC 9), 2=-469(LC 12)
Max Grav 10=965(LC 1), 2=1081(LC 1)

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

TOP CHORD 2-3=-1692/800, 3-4=-3222/1716, 4-5=-1788/933, 5-6=-1706/908, 6-8=-985/502,
8-9=-985/502, 9-10=-913/500
BOT CHORD 2-16=-907/1461, 15-16=-1000/1627, 14-15=-1233/2064, 13-14=-875/1583,
12-13=-859/1613, 11-12=-732/1375
WEBS 3-16=-937/601, 3-15=-839/1520, 4-15=-605/1105, 4-14=-600/440, 5-14=-221/460,
6-13=-466/865, 6-12=-799/488, 6-11=-500/313, 8-11=-335/258, 9-11=-633/1241

NOTES- (6)

- 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.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=430, 2=469.
- 6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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Date:

August 25, 2020



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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106783
2455492	T08	Half Hip	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:55 2020 Page 1
ID:0yrXDNjrxhKUZiS4sq5QxWyyQw7-wR0ZPwsiyLvM_sAi4yJFskG1E?78OgFmMCjDBlykaj6

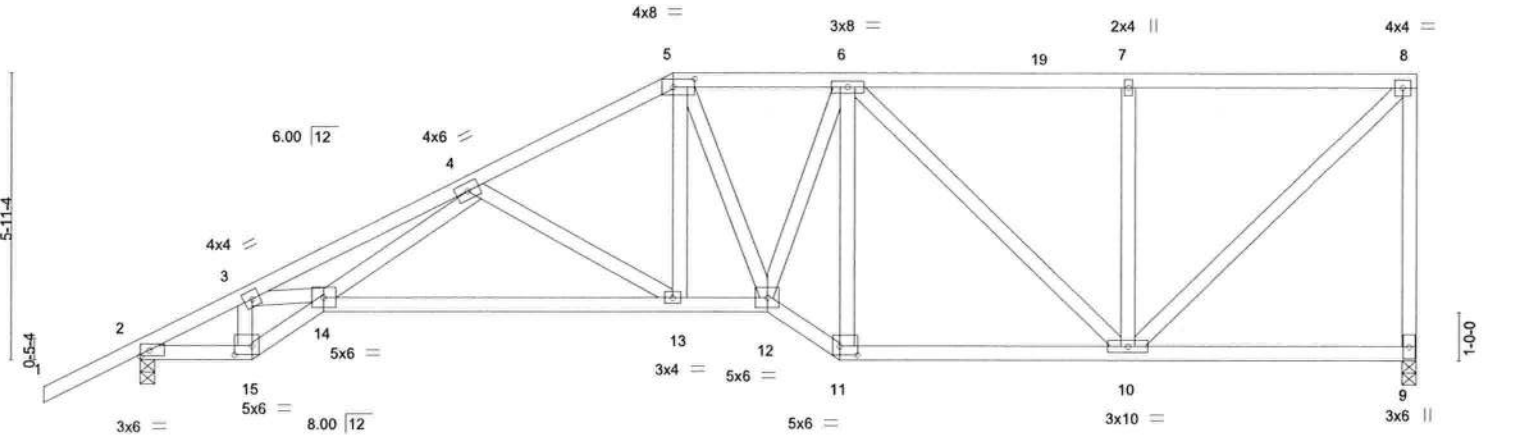
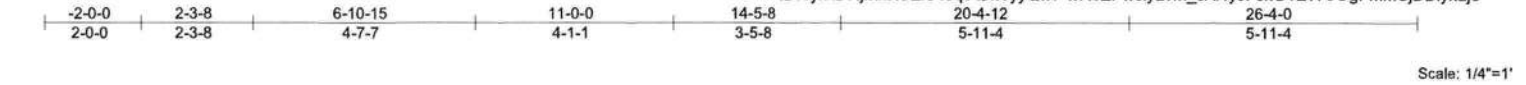


Plate Offsets (X,Y)--	[5:0-5-4,0-2-0], [11:0-4-4,0-2-4], [15:0-4-4,0-2-4]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.60	Vert(LL)	0.17 13-14	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.70	Vert(CT)	-0.33 13-14	>961	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.72	Horz(CT)	0.12 9	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 169 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-10-2 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-4-13 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS.	(size) 9=0-3-8, 2=0-3-8
	Max Horz 2=310(LC 12)
	Max Uplift 9=-422(LC 9), 2=-465(LC 12)
	Max Grav 9=965(LC 1), 2=1081(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1697/800, 3-4=-3237/1742, 4-5=-1551/799, 5-6=-1343/758, 6-7=-813/429, 7-8=-813/429, 8-9=-914/513
BOT CHORD 2-15=-965/1468, 14-15=-1062/1643, 13-14=-1201/1900, 12-13=-762/1348, 11-12=-735/1314, 10-11=-623/1123
WEBS 3-15=-963/637, 3-14=-853/1524, 4-14=-697/1260, 4-13=-658/516, 5-13=-228/535, 6-12=-435/705, 6-11=-625/420, 6-10=-433/285, 7-10=-350/270, 8-10=-591/1119

- NOTES-** (7)
- 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=422, 2=465.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



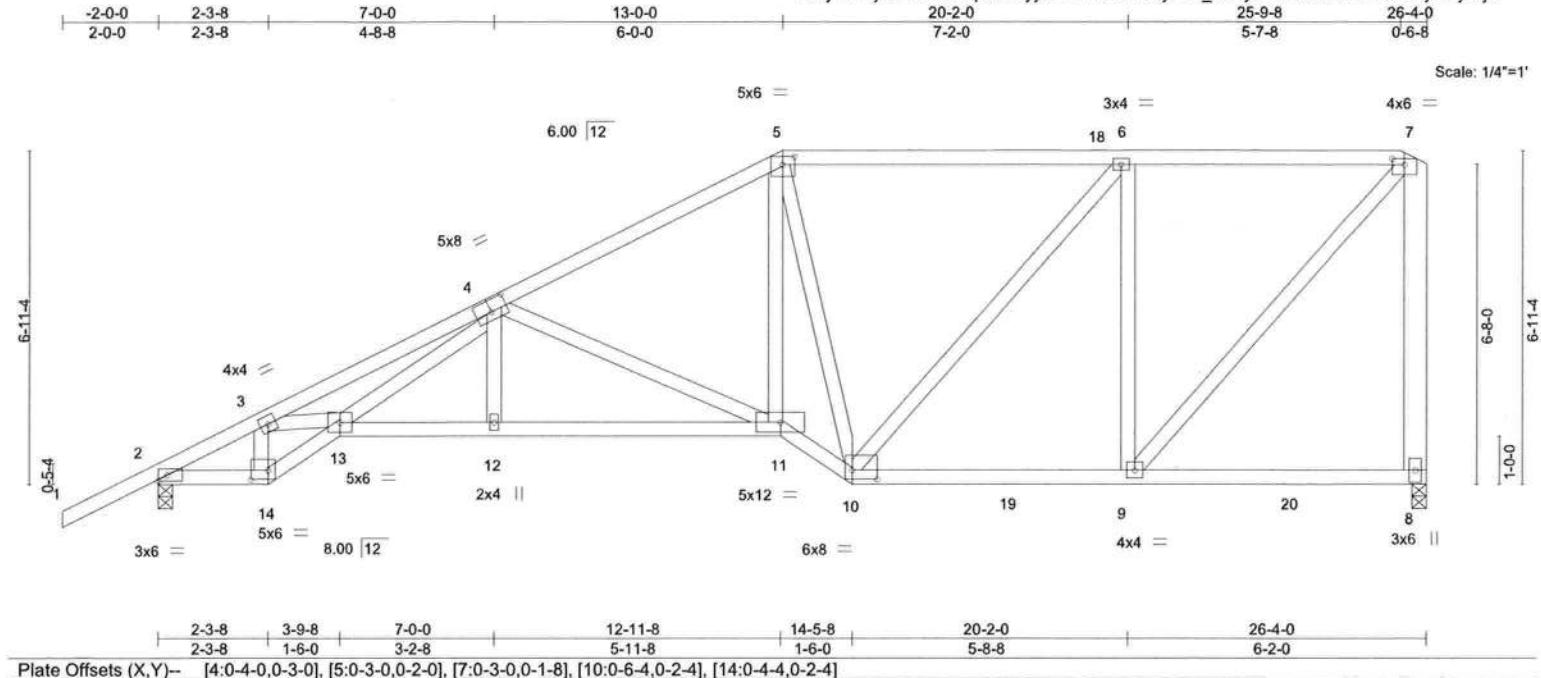
Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 25,2020

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106784
2455492	T09	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:55 2020 Page 1
ID:0yrXDNjrxhKUZIS4sq5QxWyyQw7-wR0ZPwsiyLvM_sAi4yJFskG22?ALOEEmMCjDBlykaj6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.55	Vert(LL)	0.18 12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.56	Vert(CT)	-0.28 11-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.85	Horz(CT)	0.13 8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 174 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-8: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-0-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-3-1 oc bracing.

REACTIONS.

(size) 2=0-3-8, 8=0-3-8
Max Horz 2=359(LC 12)
Max Uplift 2=458(LC 12), 8=410(LC 9)
Max Grav 2=1078(LC 1), 8=962(LC 1)

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

TOP CHORD 2-3=-1690/768, 3-4=-3155/1756, 4-5=-1342/682, 5-6=-922/537, 6-7=-710/392, 7-8=-907/530
BOT CHORD 2-14=-985/1459, 13-14=-1084/1614, 12-13=-1256/1955, 11-12=-1255/1962, 10-11=-801/1343, 9-10=-392/710
WEBS 3-14=-903/641, 3-13=-906/1458, 4-13=-717/1095, 4-11=-903/628, 5-11=-652/1144, 5-10=-929/630, 6-10=-224/326, 6-9=-653/477, 7-9=-579/1045, 4-12=0/250

NOTES- (7)

- 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=458, 8=410.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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August 25,2020

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106785
2455492	T10	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:57 2020 Page 1
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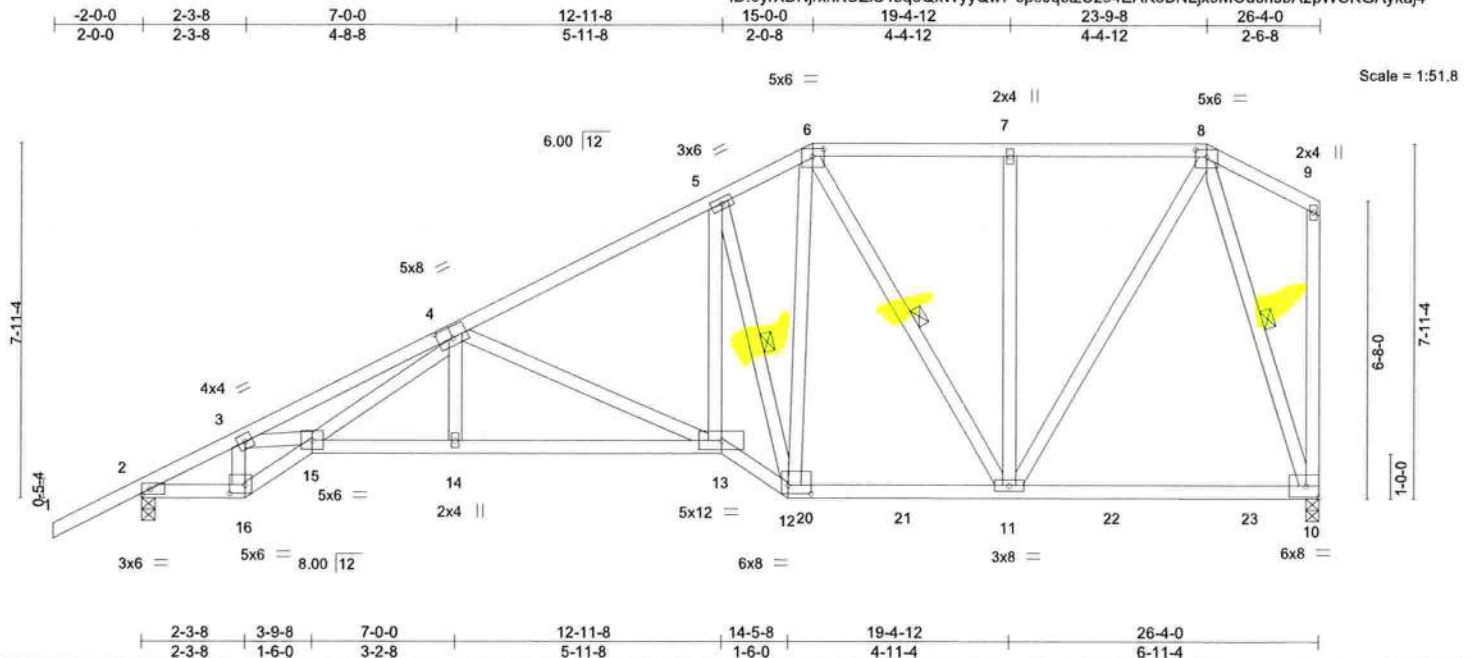


Plate Offsets (X, Y)--	[4:0-4-0,0-3-0], [6:0-3-0,0-2-0], [8:0-3-0,0-2-0], [12:0-6-4,0-2-4], [16:0-4-4,0-2-4]
------------------------	---

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.53	Vert(LL)	0.18 13-14	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.57	Vert(CT)	-0.29 13-14	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.69	Horz(CT)	0.14 10	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 194 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-1 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-3-1 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-12, 6-11, 8-10

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=374(LC 12)
Max Uplift 2=454(LC 12), 10=366(LC 12)
Max Grav 2=1081(LC 1), 10=965(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1698/788, 3-4=-3166/1778, 4-5=-1354/707, 5-6=-996/623, 6-7=-658/423, 7-8=-658/423
BOT CHORD 2-16=-993/1466, 15-16=-1093/1622, 14-15=-1256/1961, 13-14=-1255/1968, 12-13=-845/1410, 11-12=-470/812, 10-11=-152/271
WEBS 3-16=-908/648, 3-15=-905/1461, 4-15=-724/1100, 4-14=0/251, 4-13=-895/610, 5-13=-665/1178, 5-12=-1320/875, 6-12=-387/571, 6-11=-313/234, 7-11=-273/208, 8-11=-412/784, 8-10=-885/506

- NOTES-** (7)
- 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=454, 10=366.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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Date:

August 25,2020

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106786
2455492	T11	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:58 2020 Page 1
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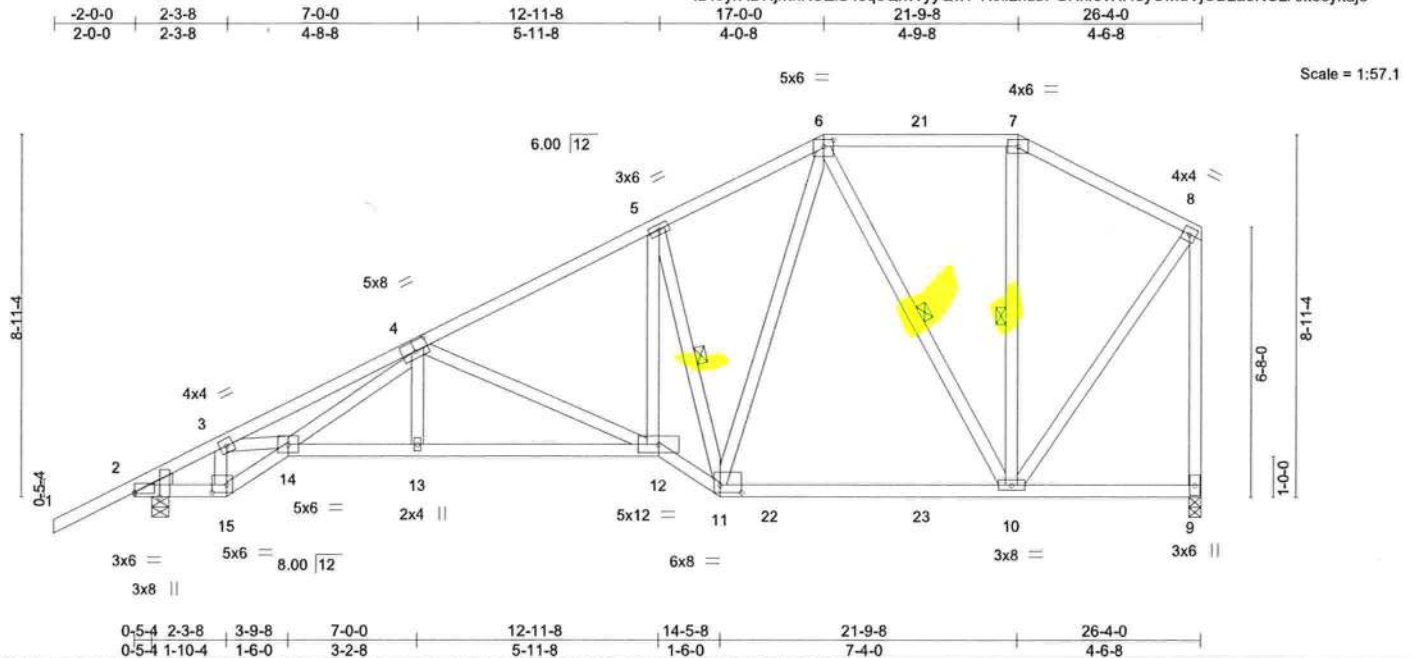


Plate Offsets (X,Y)--	[2:0-1-5,Edge], [2:0-0-0,0-0-7], [4:0-4-0,0-3-0], [6:0-3-0,0-2-0], [11:0-6-4,0-2-4], [15:0-4-4,0-2-4]
-----------------------	---

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.78	Vert(LL)	0.16 12-13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.57	Vert(CT)	-0.27 10-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.63	Horz(CT)	0.12 9	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 187 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-13 oc bracing.
WEBS 1 Row at midpt 5-11, 6-10, 7-10

REACTIONS. (size) 9=0-3-8, 2=0-4-15
Max Horz 2=395(LC 12)
Max Uplift 9=365(LC 12), 2=455(LC 12)
Max Grav 9=946(LC 1), 2=1099(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1323/615, 3-4=-2730/1574, 4-5=-1307/695, 5-6=-977/630, 6-7=-424/338, 7-8=-524/317, 8-9=-916/536
BOT CHORD 2-15=-816/1099, 14-15=-893/1207, 13-14=-1195/1821, 12-13=-1194/1828, 11-12=-838/1348, 10-11=-369/644
WEBS 3-15=-780/588, 3-14=-891/1422, 4-14=-565/774, 4-12=-786/553, 5-12=-646/1090, 5-11=-1275/892, 6-11=-406/626, 6-10=-489/319, 8-10=-372/726

- NOTES-** (7)
- 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) 9=365, 2=455.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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August 25,2020

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

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106787
2455492	T12	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:20:58 2020 Page 1
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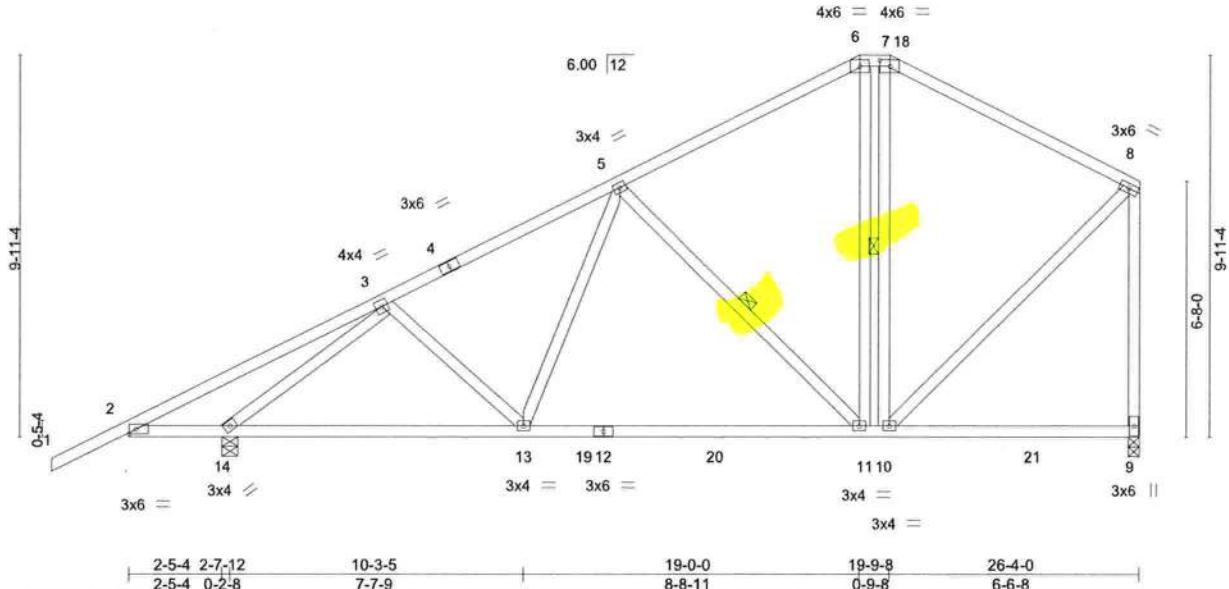


Plate Offsets (X,Y)-- [7:0-3-4,0-2-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0		TC 0.82	Vert(LL)	-0.21 11-13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25		BC 0.69	Vert(CT)	-0.37 11-13	>774	180		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.85	Horz(CT)	0.02 9	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 175 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 5-8-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-11, 7-10

REACTIONS. (size) 14=0-4-15, 9=0-3-8
Max Horz 14=416(LC 12)
Max Uplift 14=486(LC 12), 9=335(LC 12)
Max Grav 14=1193(LC 1), 9=862(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-674/528, 3-5=-980/488, 5-6=-582/375, 6-7=-446/402, 7-8=-572/361, 8-9=-812/509
BOT CHORD 2-14=-406/770, 13-14=-594/773, 11-13=-497/759, 10-11=-229/446
WEBS 5-13=-50/292, 5-11=-463/384, 3-14=-1525/1129, 8-10=-308/610

- NOTES-** (7)
- 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; cantilever 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) 14=486, 9=335.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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Date:

August 25,2020

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106788
2455492	T13	HALF HIP GIRDER	1	3	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:21:02 2020 Page 1
ID:0yrXDNjrxhKUZiS4sq5QxWyyQw7-CnyCIJx5IVnNKxD2_wxueC3DTPU2Wninzov5xOykaj?

-2-0-0	6-3-8	7-0-0	11-2-6	15-4-13	19-7-5	22-3-8	26-10-7	31-9-8	31-10-8
2-0-0	6-3-8	0-8-8	4-2-7	4-2-6	4-2-8	2-8-3	4-7-0	4-11-1	0-1-0

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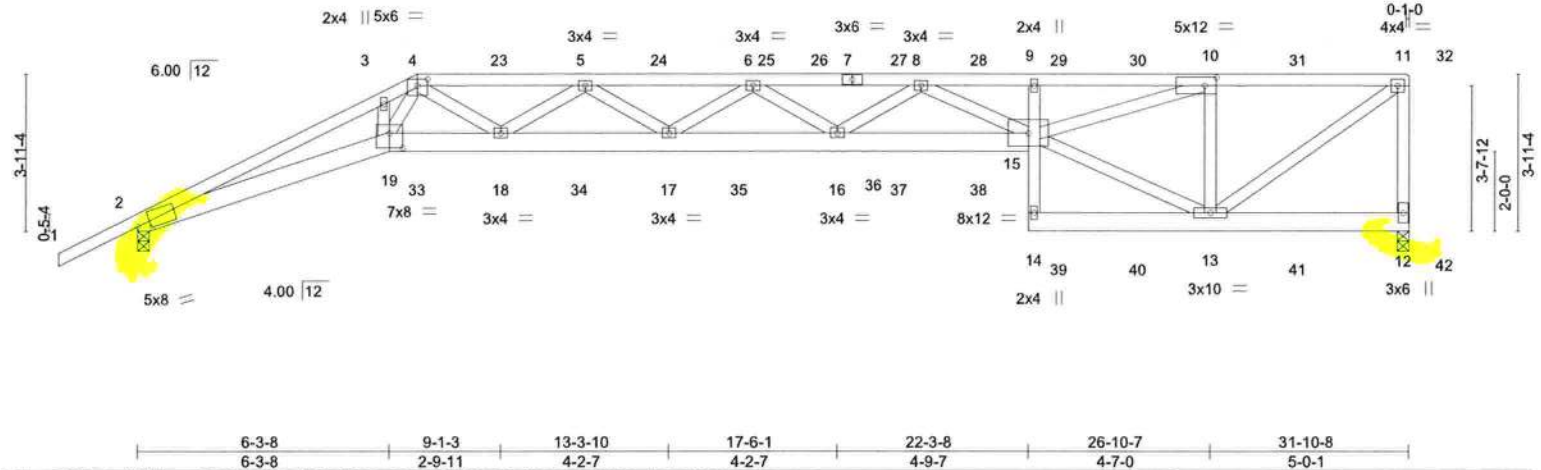


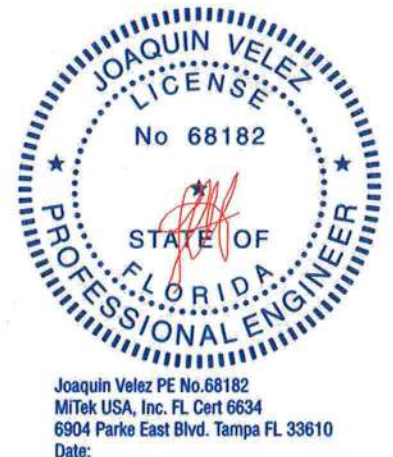
Plate Offsets (X, Y)--		[2:0-3-15,0-1-8], [4:0-3-0,0-2-0], [10:0-3-8,0-2-8], [19:0-4-0,0-4-8]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.67	Vert(LL)	0.72 16-17	>530	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.88	Vert(CT)	-1.00 16-17	>382	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 1.00	Horz(CT)	0.50 12	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 578 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-6-13 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2 *Except* 9-14: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 12=0-3-8, 2=0-3-8
Max Horz 2=213(LC 8)
Max Uplift 12=-1385(LC 5), 2=-1258(LC 8)
Max Grav 12=2617(LC 1), 2=2450(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-11483/6082, 3-4=-11243/6048, 4-5=-10701/5625, 5-6=-12570/6543,
6-8=-12733/6623, 8-9=-10684/5606, 9-10=-10446/5499, 10-11=-3052/1607,
11-12=-2470/1370
BOT CHORD 2-19=-5746/10660, 18-19=-4770/8941, 17-18=-6320/12038, 16-17=-6845/13070,
15-16=-6445/12275, 9-15=-301/252, 13-14=-189/363
WEBS 3-19=-347/551, 4-19=-1747/3069, 4-18=-1153/2223, 5-18=-1698/934, 5-17=-297/694,
6-17=-652/395, 6-16=-419/338, 8-16=-282/580, 8-15=-1818/1008, 13-15=-1555/2950,
10-15=-4127/7839, 10-13=-3232/1854, 11-13=-1964/3739

- NOTES-** (11)
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-5-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; 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
 - 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.
 - Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=1385, 2=1258.



August 25,2020

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106788
2455492	T13	HALF HIP GIRDER	1	3	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244.

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:21:02 2020 Page 2
ID:0yrXDNjrxhKUZiS4sq5QxWyyQw7-CnyCtJx5IVnNKxD2_wxueC3DTpU2Whinzov5xOykaj?

NOTES- (11)

- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 426 lb down and 286 lb up at 7-0-0, 181 lb down and 141 lb up at 9-0-12, 181 lb down and 141 lb up at 11-0-12, 181 lb down and 141 lb up at 13-0-12, 181 lb down and 141 lb up at 15-0-12, 181 lb down and 141 lb up at 17-0-12, 181 lb down and 134 lb up at 19-0-12, 181 lb down and 141 lb up at 21-0-12, 107 lb down and 132 lb up at 23-0-12, 107 lb down and 132 lb up at 25-0-12, 107 lb down and 132 lb up at 27-0-12, and 107 lb down and 132 lb up at 29-0-12, and 125 lb down and 132 lb up at 31-4-12 on top chord, and 107 lb down and 130 lb up at 7-0-0, 0 lb down at 9-0-12, 0 lb down at 11-0-12, 0 lb down at 13-0-12, 0 lb down at 15-0-12, 0 lb down at 17-0-12, 0 lb down at 19-0-12, 0 lb down at 21-0-12, 85 lb down and 24 lb up at 23-0-12, 85 lb down and 24 lb up at 25-0-12, 85 lb down and 24 lb up at 27-0-12, and 85 lb down and 24 lb up at 29-0-12, and 99 lb down and 18 lb up at 31-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-54, 4-11=-54, 19-20=-20, 15-19=-20, 12-14=-20

Concentrated Loads (lb)

Vert: 4=-379(F) 5=-181(F) 10=-107(F) 13=-60(F) 23=-181(F) 24=-181(F) 25=-181(F) 26=-181(F) 27=-181(F) 28=-181(F) 29=-107(F) 30=-107(F) 31=-107(F) 32=-125(F) 33=-107(F) 39=-60(F) 40=-60(F) 41=-60(F) 42=-67(F)

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106790
2455492	T15	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244.

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:21:04 2020 Page 1
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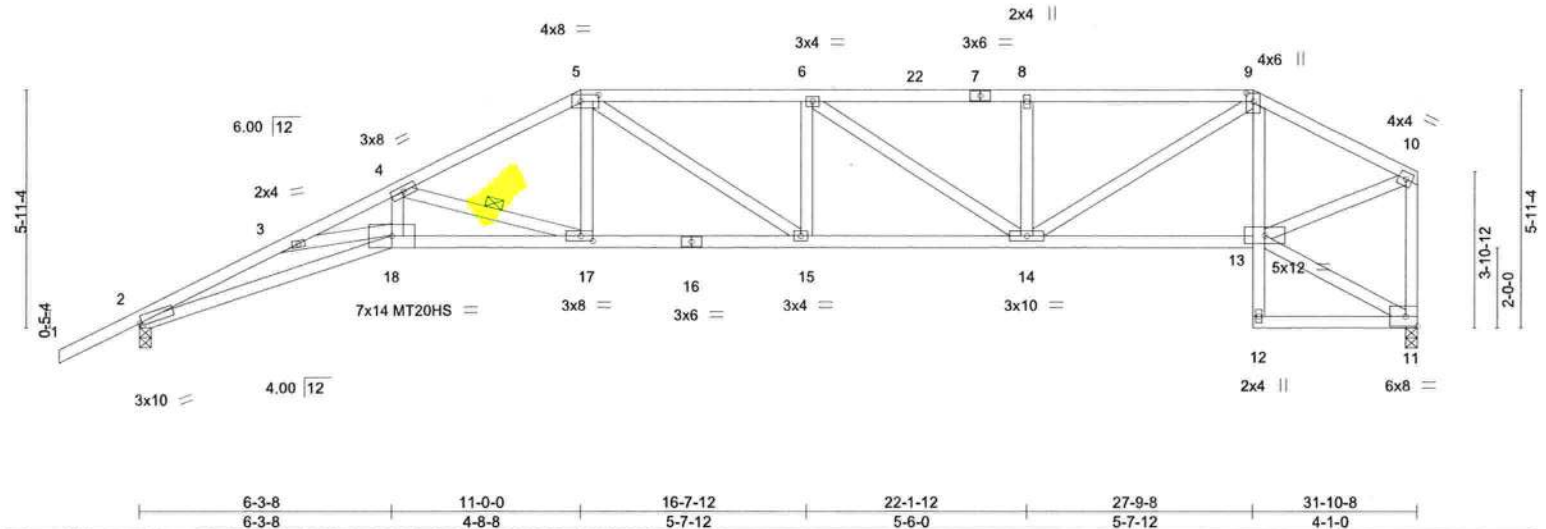


Plate Offsets (X,Y)--	[2:0-0-12,0-0-13], [5:0-5-4,0-2-0], [9:0-2-8,0-2-0], [17:0-3-8,0-1-8]
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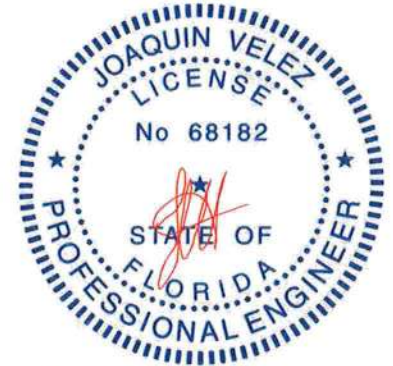
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.52	Vert(LL)	0.39 17-18	>968	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.63	Vert(CT)	-0.60 17-18	>630	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.54	Horz(CT)	0.39 11	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 182 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-5: 2x4 SP M 31	TOP CHORD Structural wood sheathing directly applied or 3-0-14 oc purlins, except end verticals.
BOT CHORD 2x4 SP M 31 *Except* 9-12: 2x4 SP No.3, 11-12,13-16: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 4-11-14 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 4-17

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=255(LC 12)
Max Uplift 2=545(LC 12), 11=418(LC 13)
Max Grav 2=1285(LC 1), 11=1171(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4610/2512, 3-4=-5031/2701, 4-5=-2637/1379, 5-6=-2579/1393, 6-8=-2197/1181, 8-9=-2197/1181, 9-10=-1308/671, 10-11=-1133/604
BOT CHORD 2-18=-2428/4193, 17-18=-2425/4368, 15-17=-1192/2339, 14-15=-1286/2579, 13-14=-557/1161, 9-13=-360/242
WEBS 3-18=-242/537, 4-18=-710/1377, 4-17=-2141/1297, 5-17=-345/735, 5-15=-266/433, 6-14=-476/326, 8-14=-312/238, 9-14=-616/1257, 10-13=-580/1212

- NOTES-** (9)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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.
 - Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=545, 11=418.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

August 25,2020

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Tampa, FL 36610

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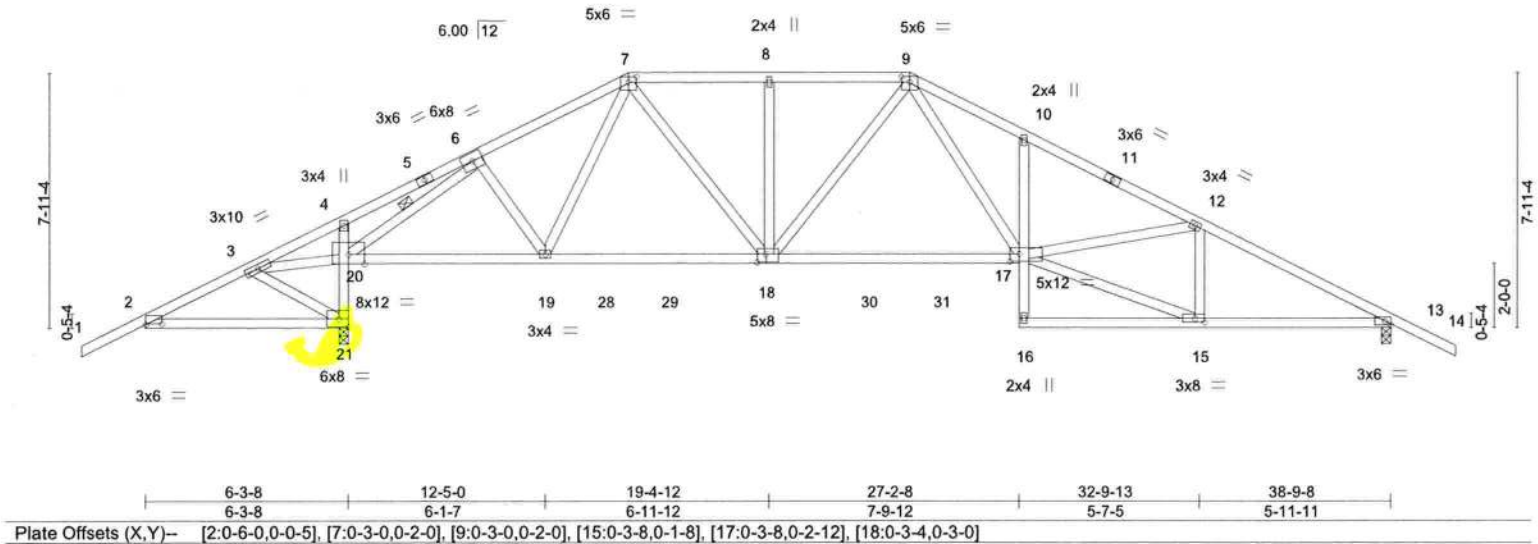
Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106792
2455492	T17	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244.

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:21:10 2020 Page 1
ID:0yrXDNjrxhKUZIS4sq5QxWyyQw7-zJQE227QyoEH9qbSb4mzuOaA2DzORvzp2rWCwykalt

-2-0-0	3-3-15	6-3-8	10-3-8	15-0-0	19-4-12	23-9-8	27-2-8	32-9-13	38-9-8	40-9-8
2-0-0	3-3-15	2-11-9	4-0-0	4-8-8	4-4-12	4-4-12	3-5-0	5-7-5	5-11-11	2-0-0

Scale = 1:72.0



LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.68	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.81	Vert(LL) -0.19 17-18 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.79	Vert(CT) -0.41 17-18 >955 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.08 13 n/a n/a		
	Code FBC2017/TPI2014			Weight: 228 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-5-14 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 3-4-1 oc bracing.
4-21,10-16; 2x4 SP No.3	WEBS 1 Row at midpt 6-20
WEBS 2x4 SP No.3	

REACTIONS. (size) 13=0-3-8, 21=0-3-8
Max Horz 21=-179(LC 13)
Max Uplift 13=-540(LC 13), 21=-730(LC 12)
Max Grav 13=1253(LC 1), 21=1834(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-736/581, 3-4=-2440/1841, 4-6=-2371/1825, 6-7=-1166/421, 7-8=-1478/725,
8-9=-1483/729, 9-10=-2449/1214, 10-12=-2458/1085, 12-13=-2065/958
BOT CHORD 2-21=-475/768, 20-21=-2028/1658, 19-20=-212/828, 18-19=-242/1099, 17-18=-335/1539,
10-17=-260/277, 13-15=-711/1783
WEBS 3-21=-785/493, 3-20=-1567/2300, 6-20=-2986/2650, 6-19=-337/432, 7-19=-265/367,
7-18=-342/643, 8-18=-267/203, 9-17=-595/1132, 15-17=-742/1869, 12-17=-104/385,
12-15=-545/297

- NOTES-** (7)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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; cantilever 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) 13=540, 21=730.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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Date:

August 25,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106793
2455492	T18	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:21:11 2020 Page 1

ID:0yrXDNjrxhKUZIS4sq5QxWyyQw7-SW_cm02IBGw5vJPn0Jb7V6xkQRZV7r261b3kMykals

-2-0-0	3-3-15	6-3-8	11-1-14	17-0-0	21-9-8	27-2-8	32-9-13	38-9-8	40-9-8
2-0-0	3-3-15	2-11-9	4-10-6	5-10-2	4-9-8	5-5-0	5-7-5	5-11-11	2-0-0

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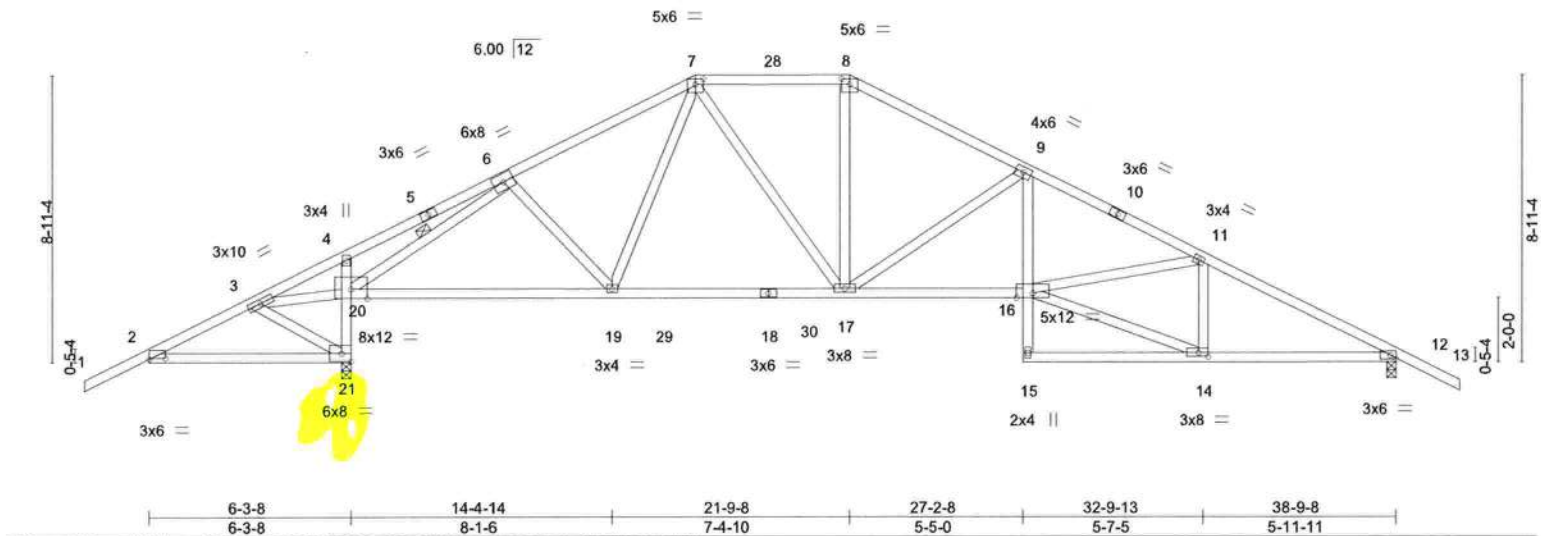


Plate Offsets (X,Y)-- [2:0-6-0,0-0-5], [7:0-3-0,0-2-0], [8:0-3-0,0-2-0], [14:0-3-8,0-1-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC	0.72	Vert(LL)	-0.17 17-19 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL 1.25		BC	0.79	Vert(CT)	-0.29 17-19 >999 180		
BCLL	0.0 *	Rep Stress Incr YES		WB	0.99	Horz(CT)	0.08 12 n/a n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS				Weight: 227 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-21,9-15: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-5-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-3-12 oc bracing.
WEBS 1 Row at midpt 6-20

REACTIONS.

(size) 12=0-3-8, 21=0-3-8
Max Horz 21=-200(LC 13)
Max Uplift 12=-534(LC 13), 21=-725(LC 12)
Max Grav 12=1253(LC 1), 21=1834(LC 1)

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

TOP CHORD 2-3=-737/582, 3-4=-2438/1832, 4-6=-2356/1804, 6-7=-1283/538, 7-8=-1321/730,
8-9=-1542/749, 9-11=-2531/1135, 11-12=-2063/969
BOT CHORD 2-21=-476/769, 20-21=-2027/1671, 4-20=-269/252, 19-20=-266/940, 17-19=-208/1102,
16-17=-720/2225, 9-16=-261/742, 12-14=-720/1780
WEBS 3-21=-792/492, 3-20=-1555/2301, 6-20=-3045/2768, 6-19=-207/289, 7-17=-235/430,
8-17=-126/432, 9-17=-1099/631, 14-16=-754/1861, 11-16=-66/433, 11-14=-575/314

NOTES- (7)

- 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; cantilever 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) 12=534, 21=725.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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Date:

August 25,2020

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



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Tampa, FL 36610

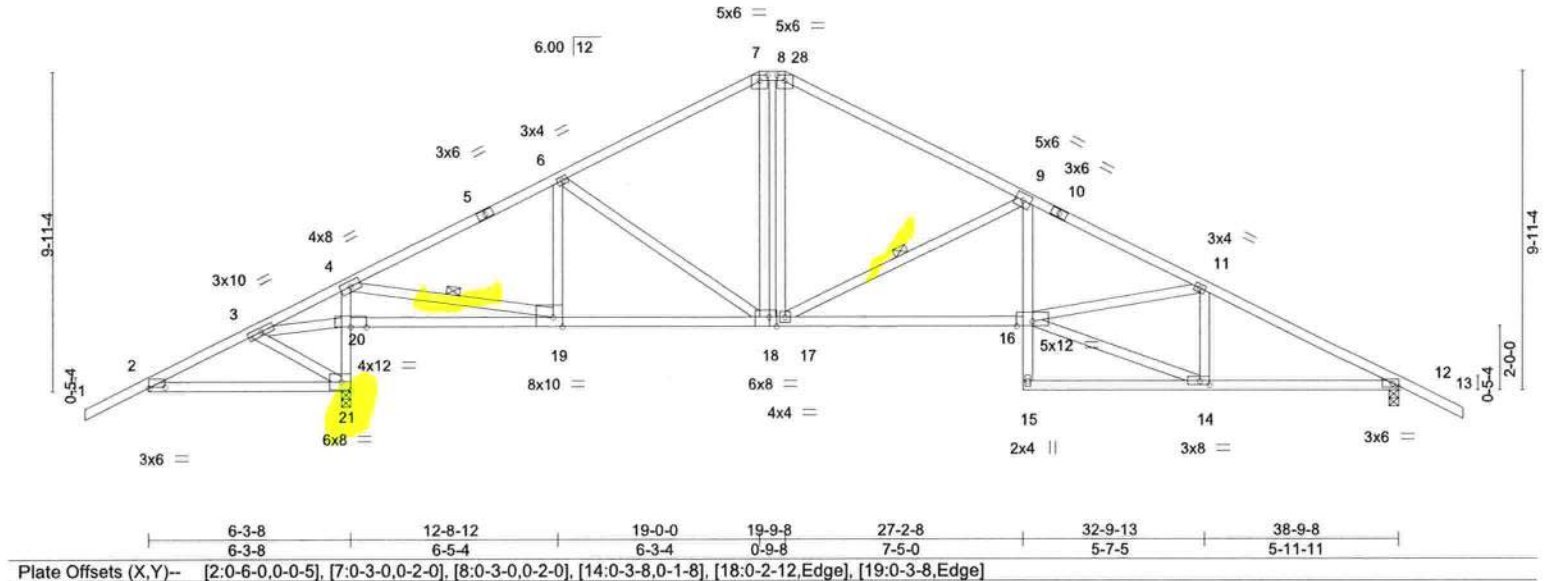
Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106794
2455492	T19	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:21:12 2020 Page 1
ID:0yrXDNjrxhKUZiS4sq5QxWyyQw7-wiY_k3NyZ2yXT_zZ06E2JUwwru2sl2GGMkdHoykair

-2-0-0	3-3-15	6-3-8	12-8-12	19-0-0	19-9-8	27-2-8	32-9-13	38-9-8	40-9-8
2-0-0	3-3-15	2-11-9	6-5-4	6-3-4	0-9-8	7-5-0	5-7-5	5-11-11	2-0-0

Scale = 1:72.0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.84	Vert(LL) 0.18 16-17 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 1.00	Vert(CT) -0.41 16-17 >965 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.09 12 n/a n/a		
	Code FBC2017/TPI2014			Weight: 232 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-5-5 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 3-3-12 oc bracing.
4-21,9-15: 2x4 SP No.3	WEBS 1 Row at midpt 4-19, 9-17
WEBS 2x4 SP No.3	

REACTIONS.	(size)
12=0-3-8, 21=0-3-8	
Max Horz 21=-221(LC 13)	
Max Uplift 12=-528(LC 13), 21=-719(LC 12)	
Max Grav 12=1253(LC 1), 21=1834(LC 1)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-739/583, 3-4=-2436/1837, 4-6=-1279/430, 6-7=-1296/665, 7-8=-1100/668, 8-9=-1324/656, 9-11=-2547/1165, 11-12=-2059/979
BOT CHORD	2-21=-477/771, 20-21=-2028/1679, 4-20=-2105/1908, 19-20=-1538/2317, 18-19=-307/1069, 17-18=-168/1100, 16-17=-773/2270, 9-16=-254/760, 12-14=-727/1776
WEBS	3-21=-789/496, 3-20=-1558/2293, 4-19=-2344/2635, 6-19=-372/489, 7-18=-238/469, 8-17=-135/400, 9-17=-1313/774, 14-16=-754/1864, 11-16=-71/458, 11-14=-574/313

- NOTES-** (7)
- 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; cantilever 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=528, 21=719.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

August 25,2020

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

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

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



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Tampa, FL 36610

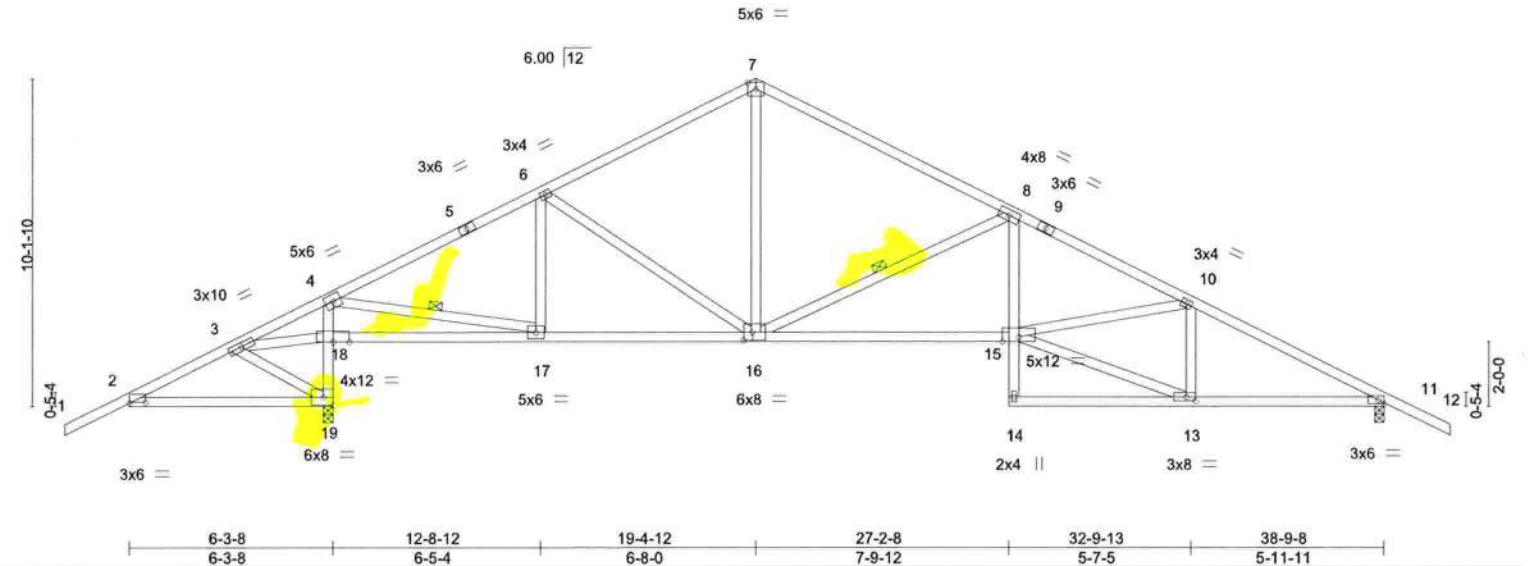
Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106795
2455492	T20	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:21:13 2020 Page 1
ID:0yrXDNjrxhKUZIS4sq5QxWyyQw7-Ou6NB447jAp8dY97keTaX05AFELbpwPV04ApFykaig

-2-0-0	3-3-15	6-3-8	12-8-12	19-4-12	27-2-8	32-9-13	38-9-8	40-9-8
2-0-0	3-3-15	2-11-9	6-5-4	6-8-0	7-9-12	5-7-5	5-11-11	2-0-0

Scale = 1:71.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.70	Vert(LL)	-0.18 15-16	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.83	Vert(CT)	-0.41 15-16	>949	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.71	Horz(CT)	0.09 11	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 222 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 3-3-14 oc bracing.
4-19,8-14: 2x4 SP No.3	WEBS 1 Row at midpt 4-17, 8-16
WEBS 2x4 SP No.3 *Except*	
4-17: 2x4 SP No.2	

REACTIONS. (size) 11=0-3-8, 19=0-3-8
Max Horz 19=-225(LC 13)
Max Uplift 11=-527(LC 13), 19=-718(LC 12)
Max Grav 11=1253(LC 1), 19=1834(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-738/583, 3-4=-2438/1840, 4-6=-1283/437, 6-7=-1290/663, 7-8=-1300/647,
8-10=-2547/1170, 10-11=-2058/981
BOT CHORD 2-19=-477/771, 18-19=-2028/1681, 4-18=-2108/1913, 17-18=-1549/2327,
16-17=-314/1074, 15-16=-782/2273, 8-15=-244/751, 11-13=-728/1775
WEBS 3-19=-790/494, 3-18=-1561/2296, 4-17=-2362/2651, 6-17=-363/479, 7-16=-267/724,
8-16=-1332/791, 13-15=-749/1858, 10-15=-73/460, 10-13=-572/311

- NOTES-** (6)
- 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; cantilever left 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=527, 19=718.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

August 25,2020

Job	Truss	Truss Type	Qty	Ply	SAMUEL MODEL - LOT 19 HA	T21106796
2455492	T21	Roof Special	3	1	Job Reference (optional)	

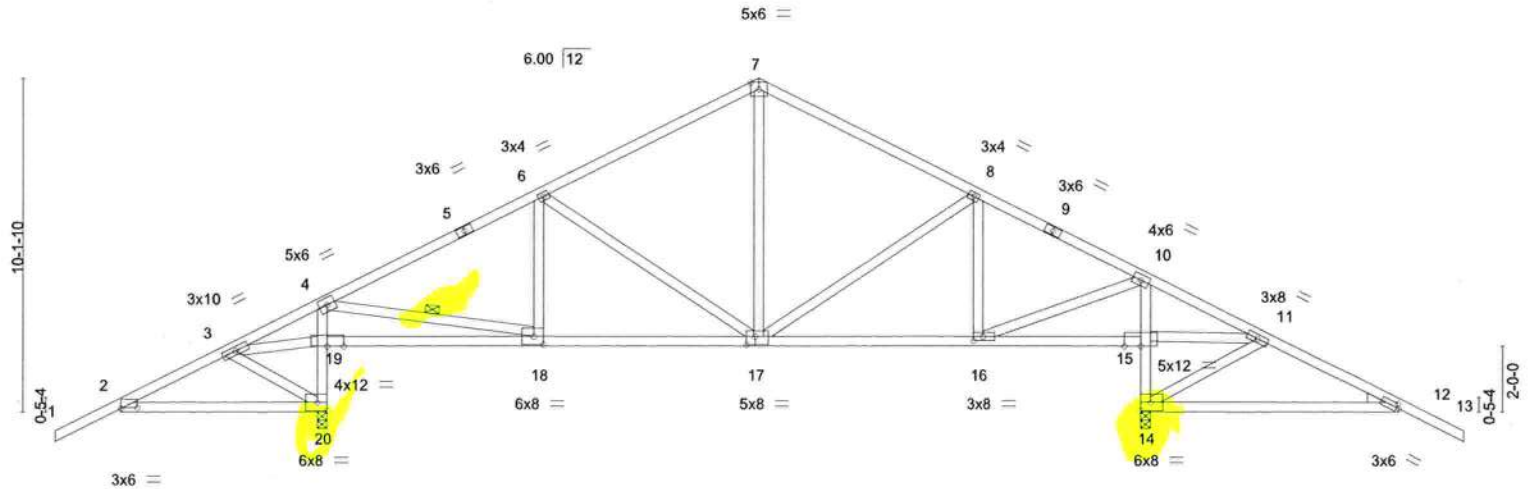
Builders FirstSource, Jacksonville, FL - 32244.

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Aug 24 16:21:15 2020 Page 1

ID:0yrXDNjrxhKUZIS4sq5QxWyyQw7-KHE7cl5FEUQXOXiYF9gxy5RK3y_3fyjyJZHT7ykaio

-2-0-0	3-3-15	6-3-8	12-8-12	19-4-12	26-0-12	31-0-0	34-8-9	38-9-8	40-9-8
2-0-0	3-3-15	2-11-9	6-5-3	6-8-0	6-8-0	4-11-4	3-8-9	4-0-15	2-0-0

Scale = 1:70.3



	6-3-8	12-8-12	19-4-12	26-0-12	31-0-0	38-9-8
	6-3-8	6-5-3	6-8-0	6-8-0	4-11-4	7-9-8

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 0.66	Vert(LL)	-0.05 16-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.76	Vert(CT)	-0.11 16-17	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.99	Horz(CT)	0.22 14	n/a	n/a		
BCDL 10.0	Code FBC2017/TP12014		Matrix-MS					Weight: 223 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 3-7-14 oc bracing.
4-20,10-14: 2x4 SP No.3	WEBS 1 Row at midpt 4-18
WEBS 2x4 SP No.3	
WEDGE	
Right: 2x4 SP No.3	

REACTIONS. (size) 14=0-3-8, 20=0-3-8
 Max Horz 20=225(LC 12)
 Max Uplift 14=-689(LC 13), 20=-628(LC 12)
 Max Grav 14=1636(LC 1), 20=1451(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-739/583, 3-4=-2442/1843, 4-6=-668/265, 6-7=-559/266, 7-8=-557/296,
 8-10=-410/163, 10-11=-2295/1783, 11-12=-792/639
 BOT CHORD 2-20=-477/771, 19-20=-1646/1436, 4-19=-1730/1669, 18-19=-1556/2335, 17-18=-183/670,
 16-17=0/649, 15-16=-1566/2312, 14-15=-1842/1667, 10-15=-1807/1693, 12-14=-513/818
 WEBS 3-20=-791/496, 3-19=-1565/2301, 4-18=-2007/2103, 6-18=-254/417, 7-17=-59/275,
 8-17=-292/220, 8-16=-555/658, 10-16=-1781/1928, 11-15=-1535/2277, 11-14=-922/562

- NOTES-** (6)
- 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; cantilever 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=689, 20=628.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

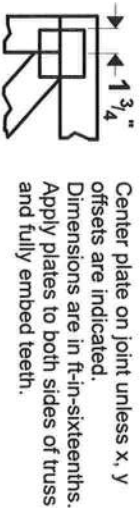


Joaquin Velez PE No.68182
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 Date:

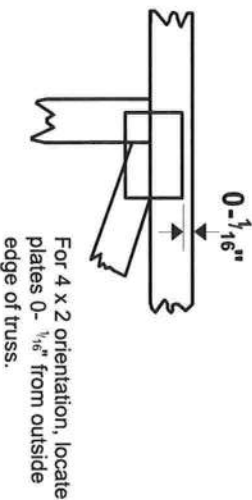
August 25,2020

Symbols

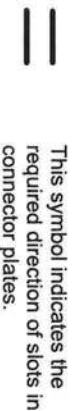
PLATE LOCATION AND ORIENTATION



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



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



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

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

PLATE SIZE

4 X 4

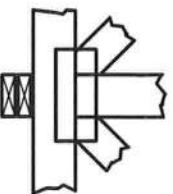
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



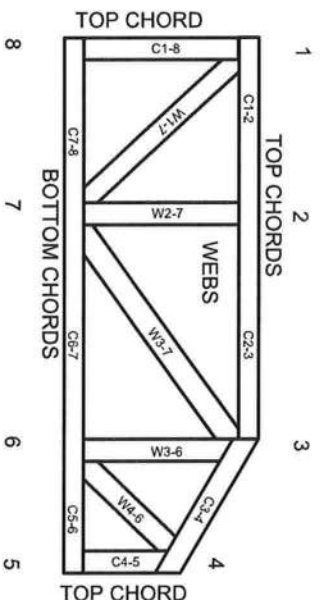
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: 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

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



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TP1 1 section 6.3. These truss designs rely on lumber values established by others.

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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