



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

RE: 2569948 - IC CONST - CALVERLEY RES.

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

Site Information:

Customer Info: Project Name: Model:
Lot/Block: Subdivision:
Address:
City: State:

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

Name: License #:
Address:
City: State:

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

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

This package includes 59 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.

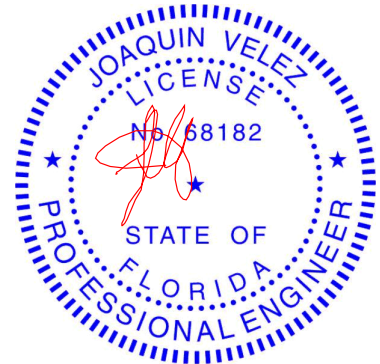
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T22219776	CJ01	12/17/20	23	T22219798	T05	12/17/20
2	T22219777	CJ01B	12/17/20	24	T22219799	T06	12/17/20
3	T22219778	CJ03	12/17/20	25	T22219800	T07	12/17/20
4	T22219779	CJ03A	12/17/20	26	T22219801	T08	12/17/20
5	T22219780	CJ03B	12/17/20	27	T22219802	T09	12/17/20
6	T22219781	CJ05	12/17/20	28	T22219803	T10	12/17/20
7	T22219782	CJ05A	12/17/20	29	T22219804	T11	12/17/20
8	T22219783	EJ01	12/17/20	30	T22219805	T12	12/17/20
9	T22219784	EJ02	12/17/20	31	T22219806	T13	12/17/20
10	T22219785	EJ03	12/17/20	32	T22219807	T14	12/17/20
11	T22219786	EJ04	12/17/20	33	T22219808	T14G	12/17/20
12	T22219787	EJ05	12/17/20	34	T22219809	T15	12/17/20
13	T22219788	EJ06	12/17/20	35	T22219810	T15G	12/17/20
14	T22219789	HJ08	12/17/20	36	T22219811	T16	12/17/20
15	T22219790	HJ10	12/17/20	37	T22219812	T17	12/17/20
16	T22219791	HJ10A	12/17/20	38	T22219813	T17G	12/17/20
17	T22219792	PB01	12/17/20	39	T22219814	T18	12/17/20
18	T22219793	PB01G	12/17/20	40	T22219815	T19	12/17/20
19	T22219794	T01G	12/17/20	41	T22219816	T20	12/17/20
20	T22219795	T02	12/17/20	42	T22219817	T21	12/17/20
21	T22219796	T03	12/17/20	43	T22219818	T22	12/17/20
22	T22219797	T04	12/17/20	44	T22219819	T23	12/17/20



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:

December 17,2020



RE: 2569948 - IC CONST - CALVERLEY RES.

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

Site Information:

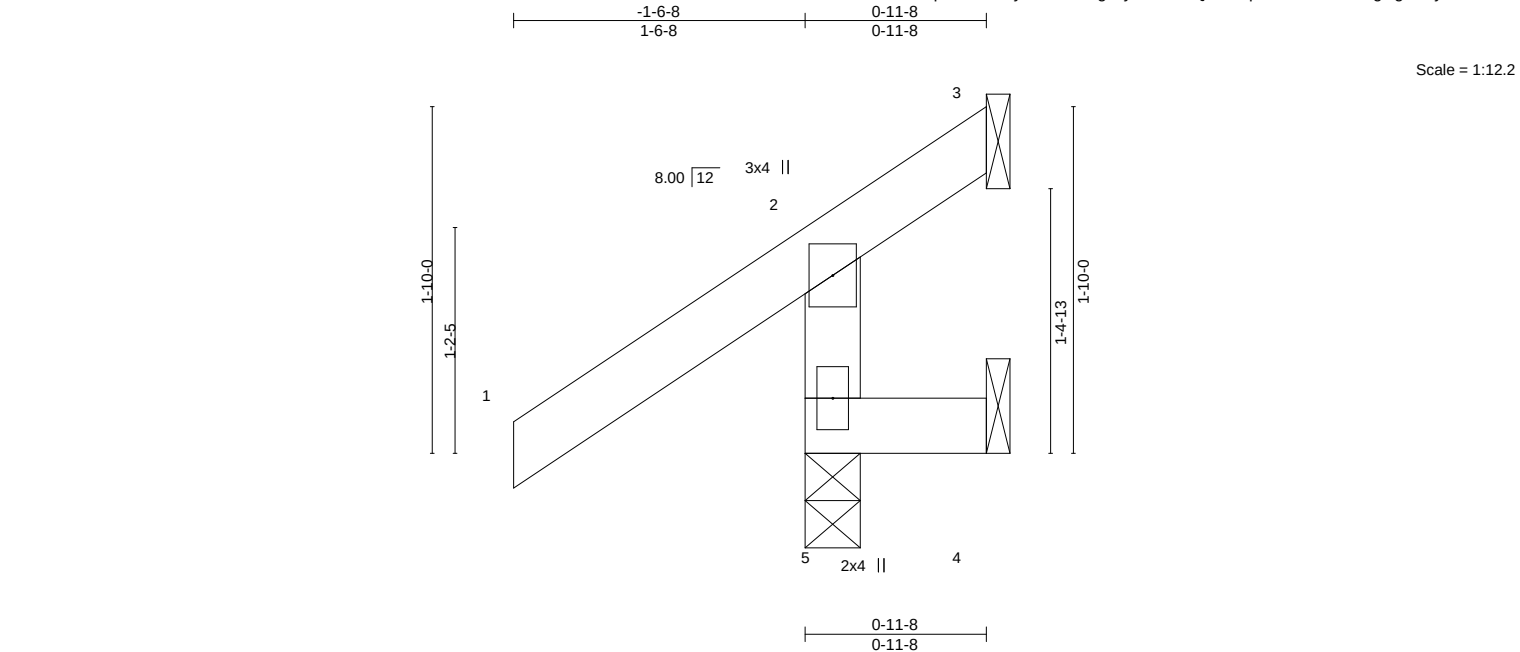
Customer Info: Project Name: Model:
Lot/Block: Subdivision:
Address:
City: State:

No.	Seal#	Truss Name	Date
45	T22219820	T24	12/17/20
46	T22219821	T25	12/17/20
47	T22219822	T26	12/17/20
48	T22219823	T27G	12/17/20
49	T22219824	TG01	12/17/20
50	T22219825	TG02	12/17/20
51	T22219826	V01	12/17/20
52	T22219827	V02	12/17/20
53	T22219828	V03	12/17/20
54	T22219829	V04	12/17/20
55	T22219830	V05	12/17/20
56	T22219831	V06	12/17/20
57	T22219832	V07	12/17/20
58	T22219833	V08	12/17/20
59	T22219834	V09	12/17/20

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	CJ01	Jack-Open	4	1	T22219776

Builders FirstSource (Jacksonville, FL),
Jacksonville, FL - 32244,
8.240 s Mar 9 2020
MiTek Industries, Inc.
Thu Dec 17 16:01:00 2020
Page 1

ID:FhvC9FLFc3EwGpmUrttCMY84JI-rDxCgklfyRBAsL4QF9XHpTH8W924GMRgNgzvf?y809X



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.27	Vert(LL)	-0.00 5	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	0.00 5	>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-MR					Weight: 7 lb	FT = 20%

LUMBER-

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

BRACING-

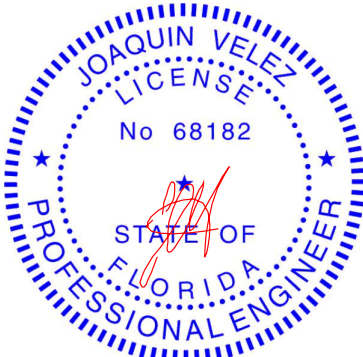
TOP CHORD Structural wood sheathing directly applied or 0-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=64(LC 9)
Max Uplift 5=77(LC 12), 3=55(LC 1), 4=24(LC 9)
Max Grav 5=217(LC 1), 3=21(LC 16), 4=24(LC 10)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) 5, 3, 4.



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

December 17,2020

Job 2569948	Truss CJ01B	Truss Type JACK-OPEN	Qty 4	Ply 1	IC CONST - CALVERLEY RES. T22219777
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:00 2020 Page 1
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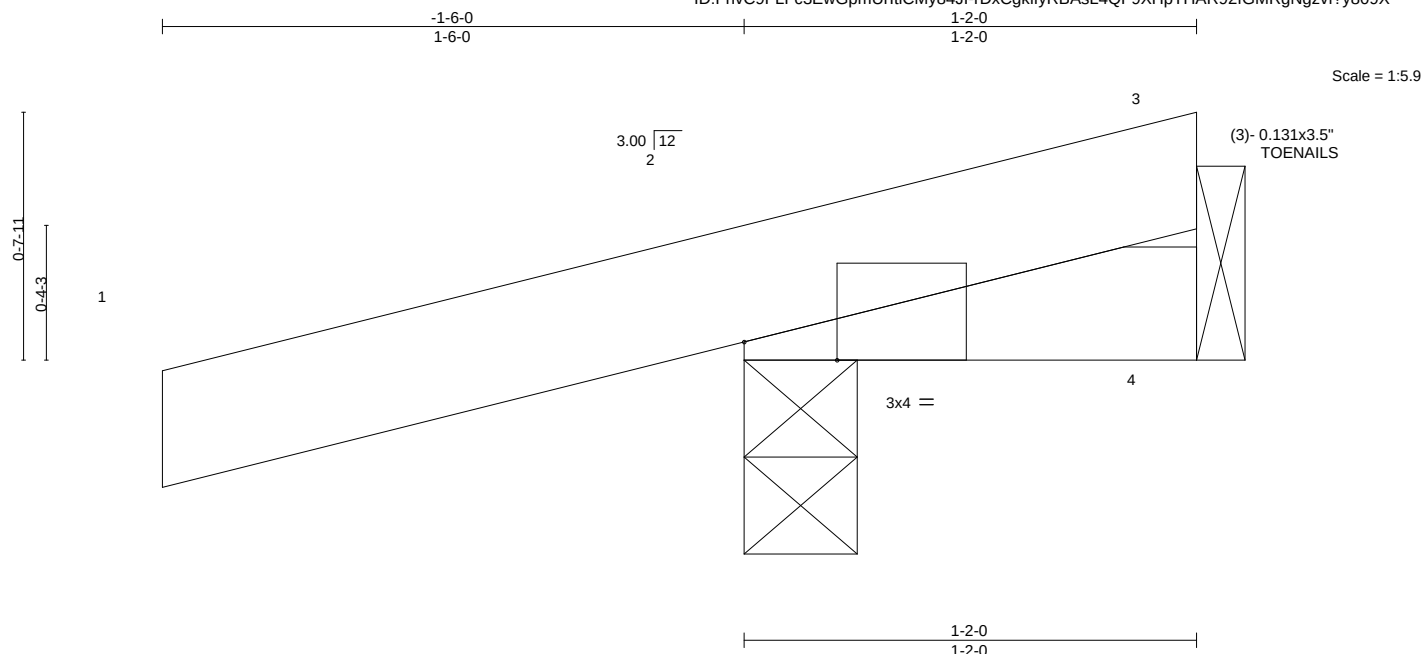


Plate Offsets (X,Y)--		[2:0-2-14,Edge]										
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.		in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

LUMBER-

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

BRACING-

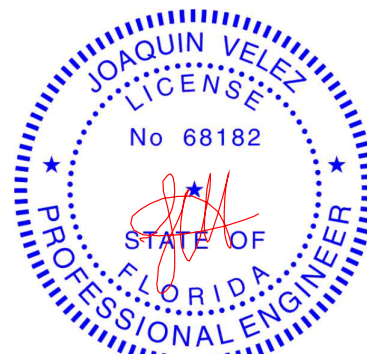
TOP CHORD Structural wood sheathing directly applied or 1-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 4=Mechanical
Max Horz 2=39(LC 8)
Max Uplift 2=-178(LC 8), 4=-16(LC 1)
Max Grav 2=176(LC 1), 4=26(LC 16)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) 4 except (jt=lb) 2=178.



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

December 17,2020

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



6904 Parke East Blvd.
Tampa, FL 36610

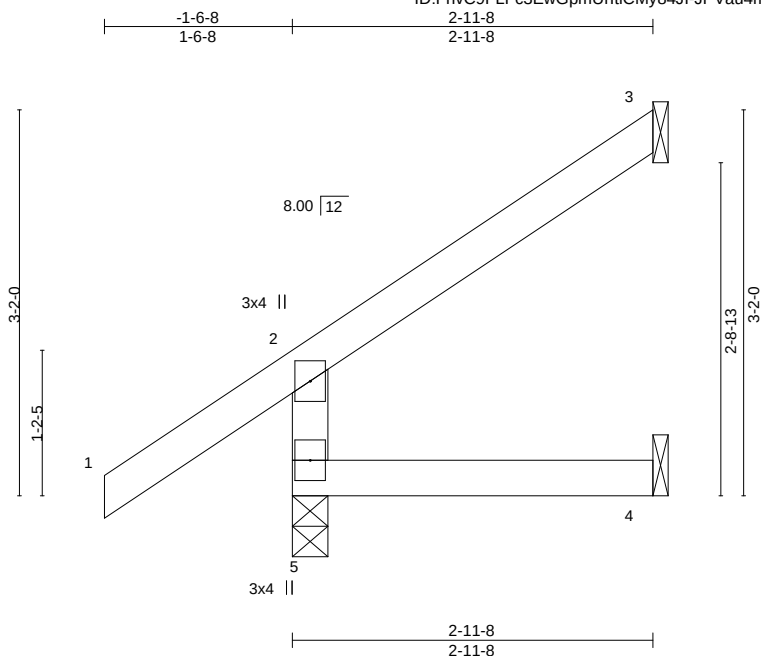
Job 2569948	Truss CJ03	Truss Type Jack-Open	Qty 2	Ply 1	IC CONST - CALVERLEY RES. T22219778
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:01 2020 Page 1

ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-JPVau4mHjkJ1UUfcot2WLgqlHZMs?phpckJTBSy809W



Scale = 1:18.9

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.33	Vert(LL)	0.01 4-5	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.16	Vert(CT)	-0.01 4-5	>999	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-MR					Weight: 14 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 2-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

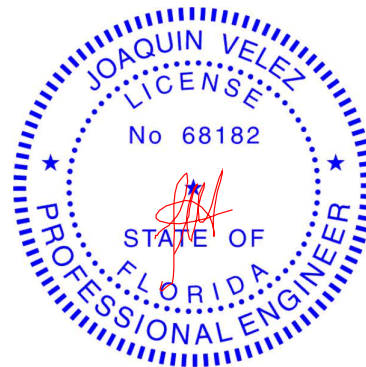
REACTIONS.

(size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=123(LC 12)
Max Uplift 5=-57(LC 12), 3=-83(LC 12), 4=-15(LC 12)
Max Grav 5=221(LC 1), 3=70(LC 19), 4=50(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) 5, 3, 4.



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

December 17,2020

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

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



6904 Parke East Blvd.
Tampa, FL 36610

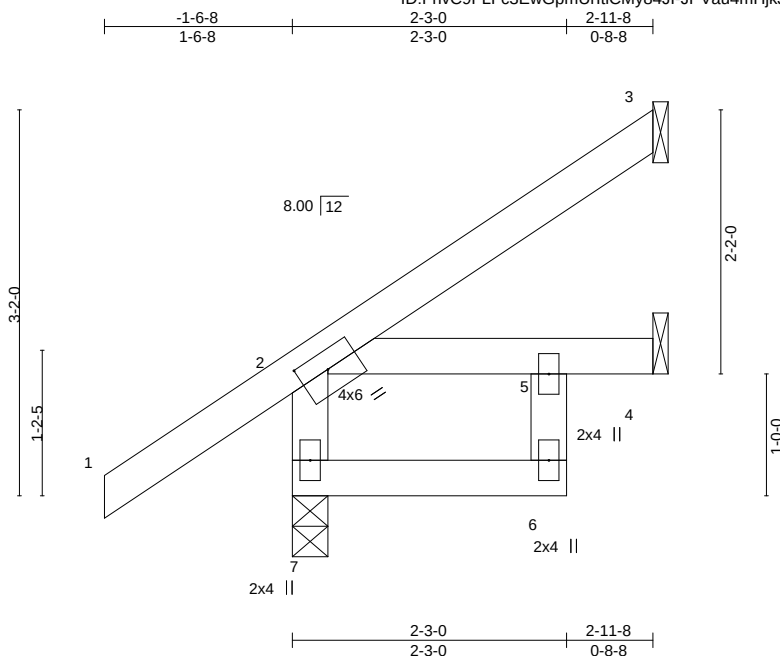
Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	CJ03A	Jack-Open	2	1	T22219779

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:01 2020 Page 1

ID:FhvC9FLFc3EwGpmUrtiCMY84Jl-JPVau4mHjkJ1UUfcot2WLgqKWZMY?phpckJTBSy809W



Scale = 1:18.9

Plate Offsets (X,Y)--		[2:0-2-14,0-1-12]								
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.25	Vert(LL)	-0.00 5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.18	Vert(CT)	-0.00 5	>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-MR					Weight: 18 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 5-6: 2x4 SP No.3
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

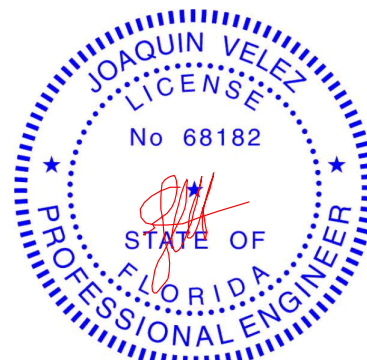
REACTIONS.

(size) 7=0-3-8, 3=Mechanical, 4=Mechanical
 Max Horz 7=123(LC 12)
 Max Uplift 7=-50(LC 12), 3=-68(LC 12), 4=-26(LC 12)
 Max Grav 7=246(LC 1), 3=66(LC 19), 4=78(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) 7, 3, 4.



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

December 17,2020

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

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



6904 Parke East Blvd.
 Tampa, FL 33610

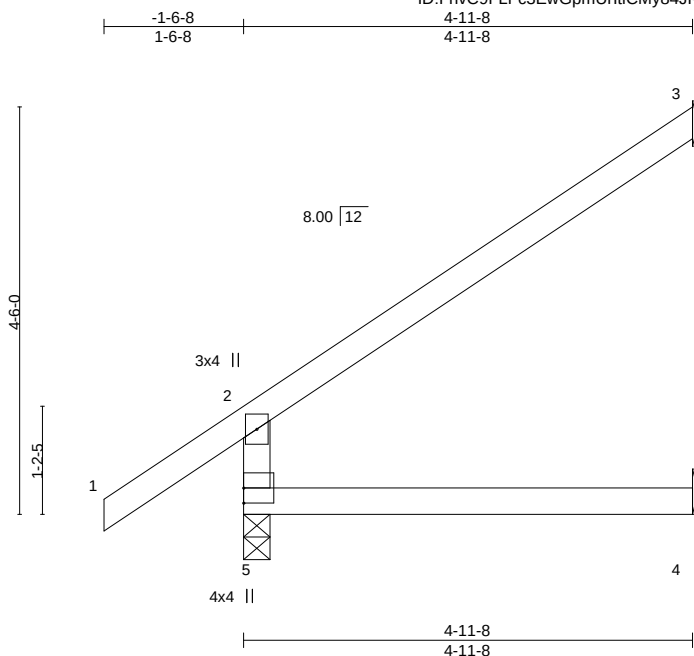
Job 2569948	Truss CJ05	Truss Type Jack-Open	Qty 2	Ply 1	IC CONST - CALVERLEY RES. T22219781
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:03 2020 Page 1

ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-FodLlmoXFMZljop?wI4_Q5vboN?9TjB63eCaGKy809U



Scale = 1:25.4

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.52	Vert(LL)	0.05	4-5	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.36	Vert(CT)	-0.06	4-5	>941	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.06	3	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MR						
									Weight: 20 lb FT = 20%

LUMBER-

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

BRACING-

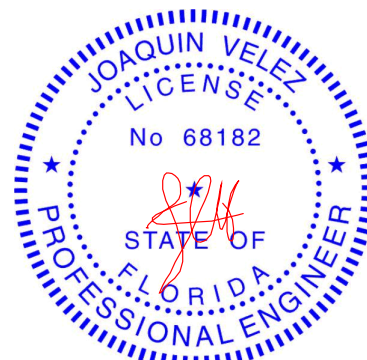
TOP CHORD Structural wood sheathing directly applied or 4-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=189(LC 12)
Max Uplift 5=-65(LC 12), 3=-143(LC 12), 4=-18(LC 12)
Max Grav 5=283(LC 1), 3=135(LC 19), 4=88(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) 5, 4 except (jt=lb) 3=143.



Joaquin Velez PE No.68182
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Date:

December 17,2020

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

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6904 Parke East Blvd.
Tampa, FL 36610

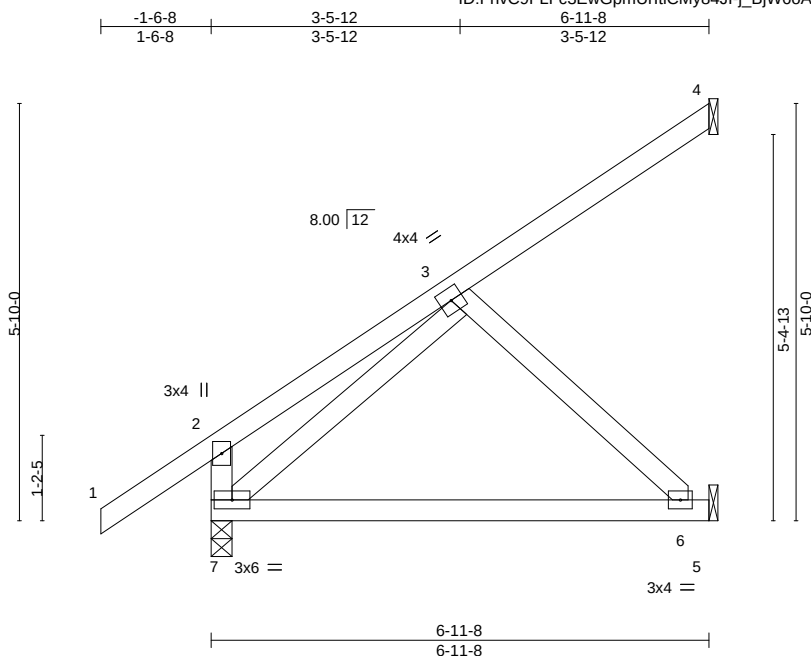
Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219783
2569948	EJ01	Jack-Partial	4	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:04 2020 Page 1

ID:FhvC9FLFc3EwGpmUrtICMy84Jl-j_BjW6oA0fhcLyOBU?bDzJSpsmJVC9fFIx7ony809T



Scale: 3/8"=1'

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.38	Vert(LL)	-0.09	6-7	>900	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.48	Vert(CT)	-0.18	6-7	>443	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(CT)	0.00	4	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 40 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 7=0-3-8

Max Horz 7=255(LC 12)

Max Uplift 4=90(LC 12), 5=130(LC 12), 7=76(LC 12)

Max Grav 4=93(LC 19), 5=189(LC 19), 7=352(LC 1)

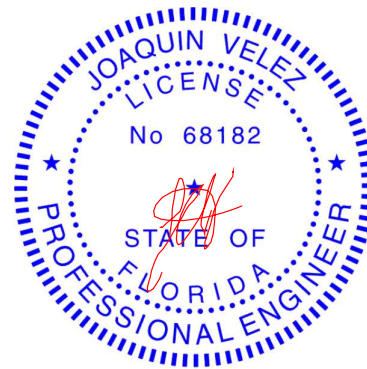
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-7=-261/216

WEBS 3-6=-278/250

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) 4, 7 except (jt=lb) 5=130.



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

December 17, 2020

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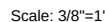
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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



6904 Parke East Blvd.
Tampa, FL 36610

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:05 2020 Page 1
ID:FhvC9FLFc3EwGpmUrtlCMY84JI-BBf5jSponzpSv6zN1i6SVW zgAfXxcHPWvhgKDy809S



LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 8-9.

REACTIONS. (size) 9=0-3-8, 4=Mechanical, 5=Mechanical
 Max Horiz 9=255(LC 12)
 Max Uplift 9=-76(LC 12), 4=-65(LC 12), 5=-155(LC 12)
 Max Grav 9=352(LC 1), 4=65(LC 19), 5=216(LC 19)

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

TOP CHORD	2-9=-323/193
WEBS	3-6=-310/259

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCp=-0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) 9, 4 except (jt=lb) 5=155.



December 17, 2020



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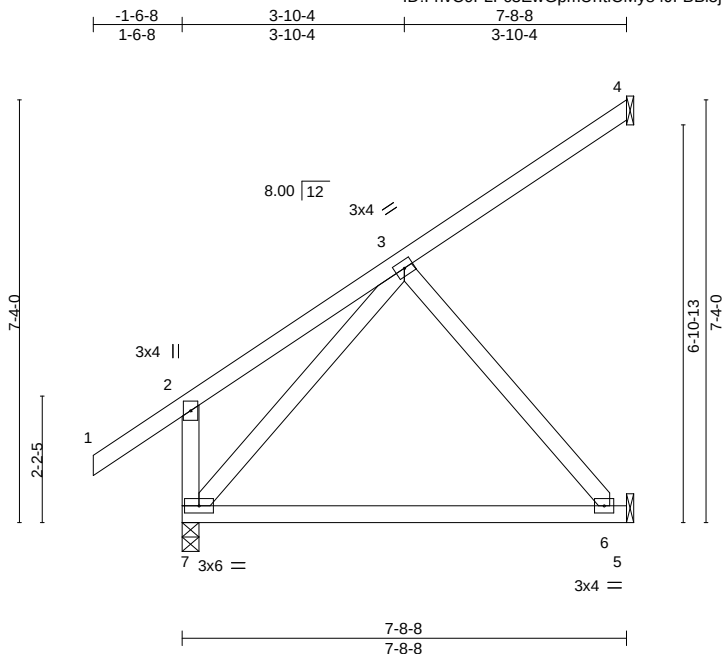
Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	EJ03	Jack-Partial	2	1	T22219785
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

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ID:FhvC9FLFc3EwGpmUrttCMY84JI-BBI5jSponzpSy6zN1i6SVW_yLAcixaZPWYhgKDy809S



Scale = 1:40.0

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.46	Vert(LL)	-0.14	6-7	>638	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.61	Vert(CT)	-0.29	6-7	>314	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.20	Horz(CT)	0.01	4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 47 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

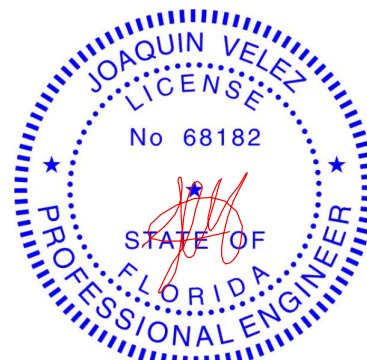
(size) 4=Mechanical, 5=Mechanical, 7=0-3-8
Max Horz 7=263(LC 12)
Max Uplift 4=-95(LC 12), 5=-184(LC 12), 7=-44(LC 12)
Max Grav 4=98(LC 19), 5=230(LC 19), 7=379(LC 1)

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

TOP CHORD 2-7=-298/258
WEBS 3-6=-314/309

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) 4, 7 except (jt=lb) 5=184.



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

December 17,2020

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	EJ04	Jack-Partial	3	1	T22219786
Job Reference (optional)					

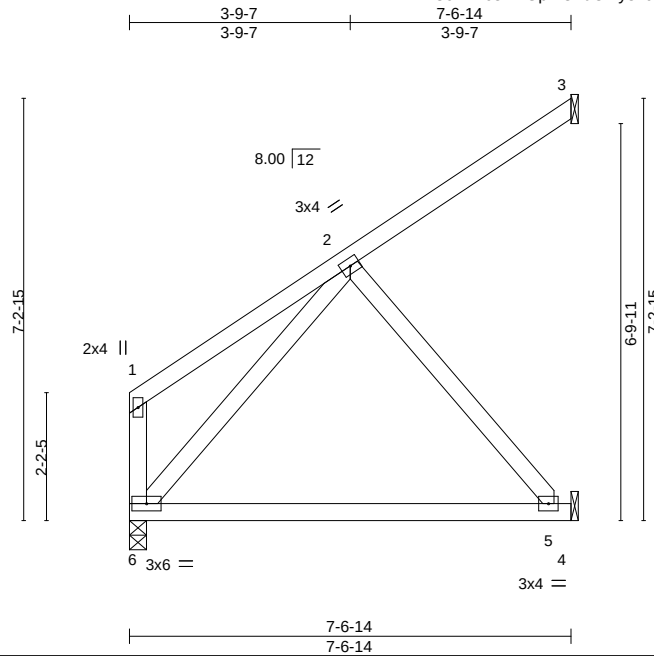
Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar

9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:06 2020 Page 1

ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-fNITxoqYHxJaGXabQeh2kX8LayGg1tYlcQEtfy809R



Scale = 1:39.5

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.44	Vert(LL)	-0.13	5-6	>672	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.59	Vert(CT)	-0.27	5-6	>331	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.20	Horz(CT)	0.01	3	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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

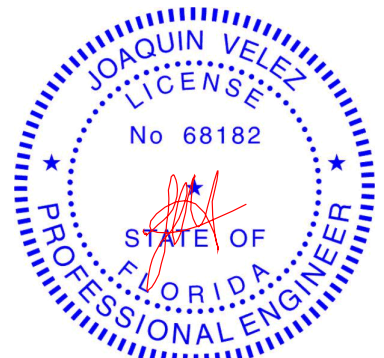
(size) 3=Mechanical, 4=Mechanical, 6=0-3-8
Max Horz 6=211(LC 12)
Max Uplift 3=91(LC 12), 4=182(LC 12)
Max Grav 3=94(LC 19), 4=238(LC 19), 6=272(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-318/307

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical 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.
- 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) 3 except (jt=lb) 4=182.



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

December 17,2020

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

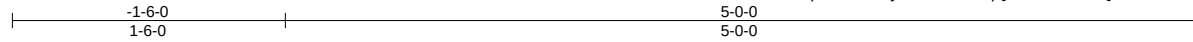


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Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219787
2569948	EJ05	Jack-Open	6	1		

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

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:06 2020 Page 1
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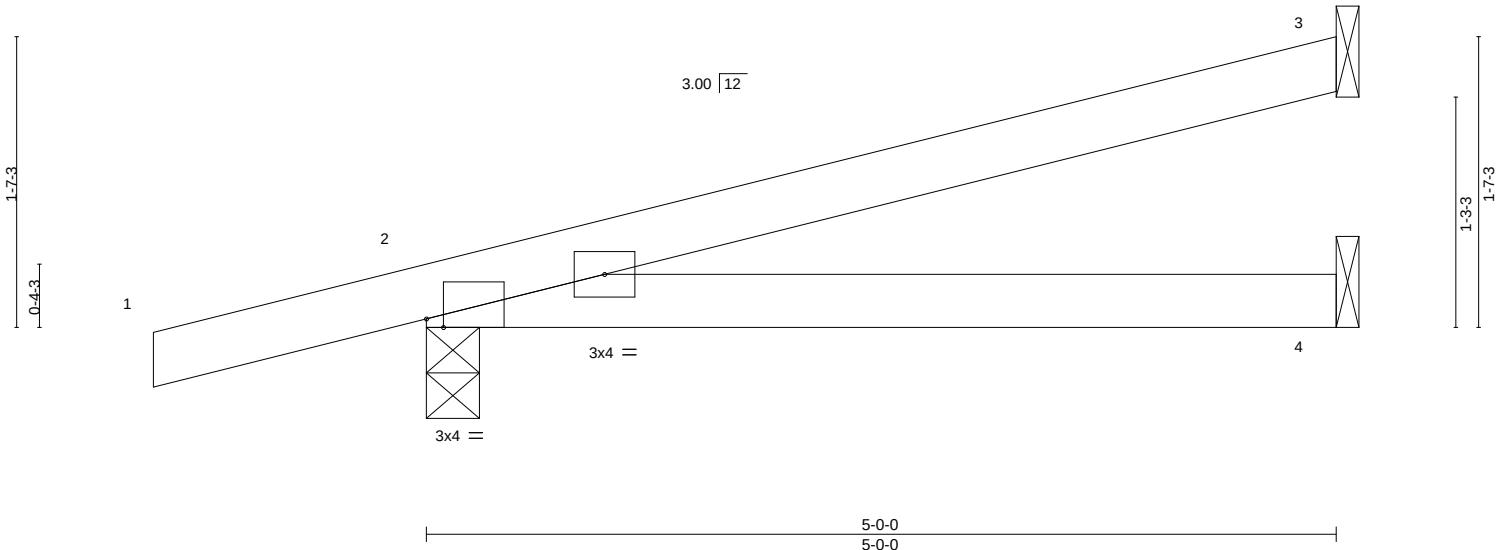


Plate Offsets (X,Y)--		[2:0-1-2,Edge]									
LOADING (psf)		SPACING-		2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d
TCLL	20.0	Plate Grip DOL		1.25	TC	0.34	Vert(LL)	0.08	4-7	>735	240
TCDL	7.0	Lumber DOL		1.25	BC	0.35	Vert(CT)	0.07	4-7	>848	180
BCLL	0.0 *	Rep Stress Incr		YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a
BCDL	10.0	Code FBC2017/TPI2014			Matrix-MP						
										Weight: 18 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.

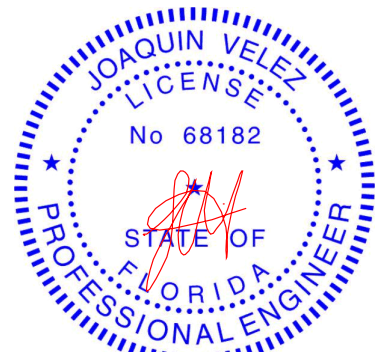
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=86(LC 8)
Max Uplift 3=90(LC 8), 2=238(LC 8), 4=50(LC 8)
Max Grav 3=110(LC 1), 2=276(LC 1), 4=85(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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=238.



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

December 17,2020

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



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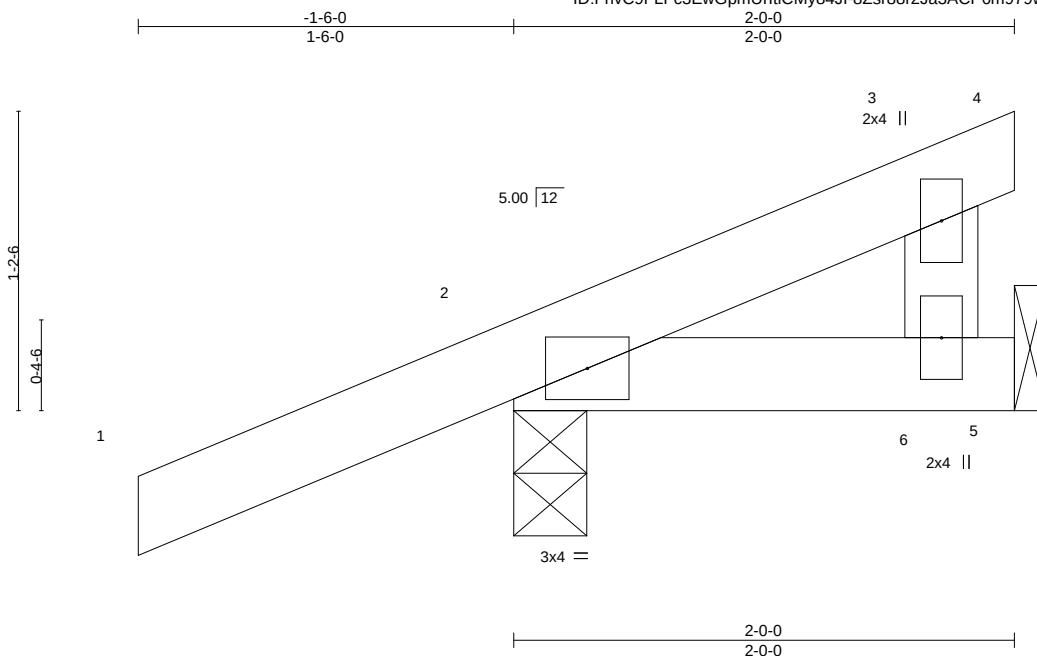
Job 2569948	Truss EJ06	Truss Type Jack-Open	Qty 8	Ply 1	IC CONST - CALVERLEY RES. T22219788
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8,240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:07 2020 Page 1

ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-8Zsr88r2Ja3ACP6m979wbx4NO_R9PXwh_GAnP5y809Q



Scale = 1:9.2

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.16	Vert(LL)	-0.00	9	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	-0.00	9	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	2	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						
								Weight: 10 lb	FT = 20%

LUMBER-

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

BRACING-

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

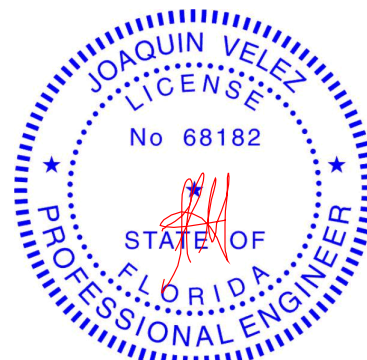
REACTIONS.

(size) 2=0-3-8, 5=Mechanical
Max Horz 2=67(LC 12)
Max Uplift 2=-109(LC 8), 5=-21(LC 12)
Max Grav 2=184(LC 1), 5=46(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(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) 5 except (jt=lb) 2=109.



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

December 17,2020

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219789
2569948	HJ08	Diagonal Hip Girder	2	1	Job Reference (optional)	

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

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:08 2020 Page 1
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Scale = 1:17.0

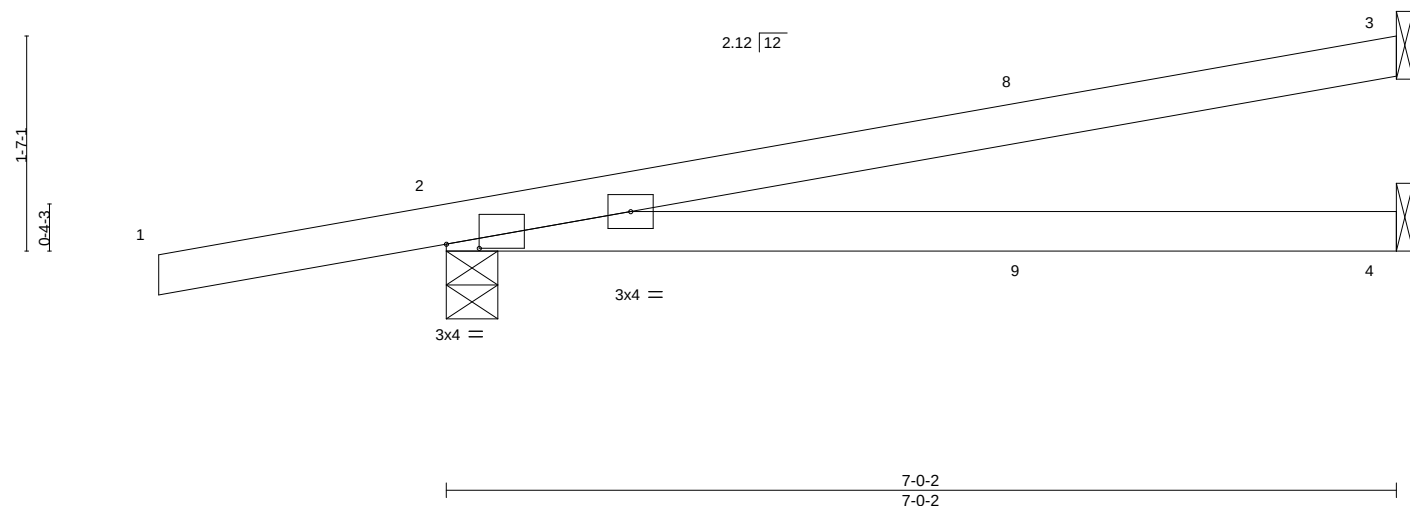


Plate Offsets (X,Y)-- [2:0-2-15,0-0-6]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	0.20	4-7	>410	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.21	4-7	>400	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 24 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 3=Mechanical, 2=0-4-9, 4=Mechanical
Max Horz 2=86(LC 4)
Max Uplift 3=-124(LC 4), 2=-349(LC 4), 4=-73(LC 4)
Max Grav 3=157(LC 1), 2=394(LC 1), 4=121(LC 3)

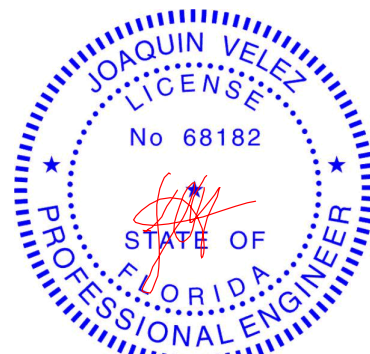
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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) 4 except (jt=lb) 3=124, 2=349.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 27 lb down and 39 lb up at 4-4-0, and 27 lb down and 39 lb up at 4-4-0 on top chord, and 63 lb down and 22 lb up at 1-6-1, 63 lb down and 22 lb up at 1-6-1, and 19 lb down and 37 lb up at 4-4-0, and 19 lb down and 37 lb up at 4-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-5=-20
Concentrated Loads (lb)
Vert: 8=0(F=-0, B=-0) 9=-13(F=-7, B=-7)



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

December 17,2020

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



6904 Parke East Blvd.
Tampa, FL 36610

Job 2569948	Truss HJ10	Truss Type Diagonal Hip Girder	Qty 1	Ply 1	IC CONST - CALVERLEY RES. T22219790
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:09 2020 Page 1
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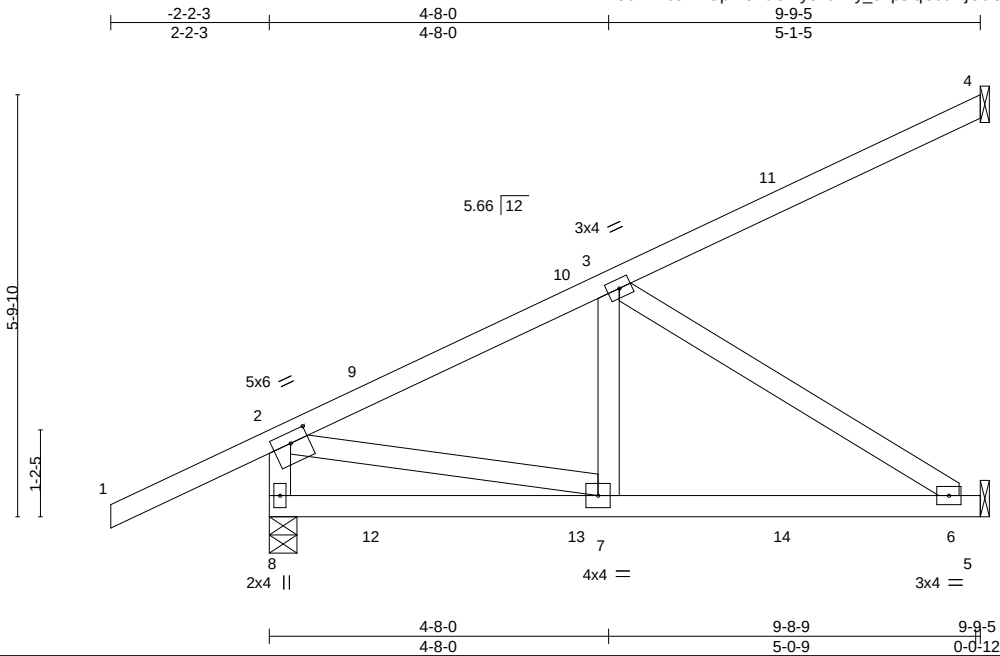


Plate Offsets (X,Y)-- [2:0-3-0,0-1-12]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	0.05 6-7 >999	240	MT20 244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.09 6-7 >999	180	
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.33	Horz(CT)	-0.01 4 n/a	n/a	
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 54 lb FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 8=0-4-9, 4=Mechanical, 5=Mechanical
Max Horz 8=255(LC 8)
Max Uplift 8=-318(LC 4), 4=-172(LC 8), 5=-262(LC 8)
Max Grav 8=519(LC 32), 4=139(LC 1), 5=330(LC 32)

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

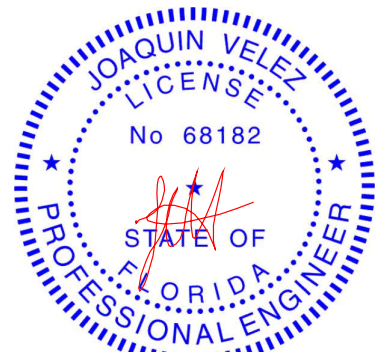
TOP CHORD 2-8=-480/287, 2-3=-618/326
BOT CHORD 6-7=-425/440
WEBS 2-7=-329/513, 3-6=-522/504

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; 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) 8=318, 4=172, 5=262.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 90 lb down and 131 lb up at 1-5-5, 90 lb down and 131 lb up at 1-5-5, 117 lb down and 81 lb up at 4-3-4, 117 lb down and 81 lb up at 4-3-4, and 154 lb down and 150 lb up at 7-1-3, and 154 lb down and 150 lb up at 7-1-3 on top chord, and 21 lb down and 54 lb up at 1-5-5, 21 lb down and 54 lb up at 1-5-5, 30 lb down and 22 lb up at 4-3-4, 30 lb down and 22 lb up at 4-3-4, and 52 lb down and 32 lb up at 7-1-3, and 52 lb down and 32 lb up at 7-1-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 9=68(F=34, B=34) 11=-66(F=-33, B=-33) 13=4(F=2, B=2) 14=-43(F=-22, B=-22)



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December 17,2020

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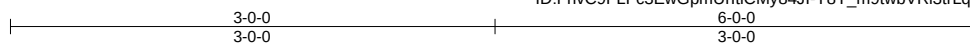
6904 Parke East Blvd
Tampa, FL 36610

Job 2569948	Truss PB01	Truss Type Piggyback	Qty 16	Ply 1	IC CONST - CALVERLEY RES. T22219792
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

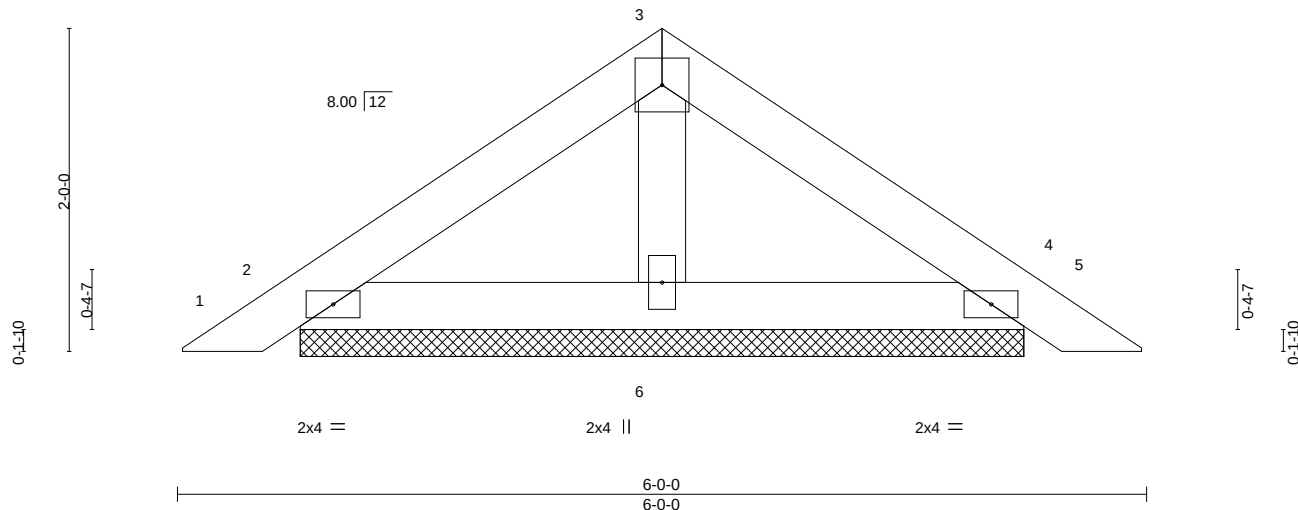
8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:10 2020 Page 1

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4x4 =

Scale = 1:14.3



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 0.08	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.05	Vert(CT)	0.00	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-P						Weight: 19 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 10-0-0 oc bracing.

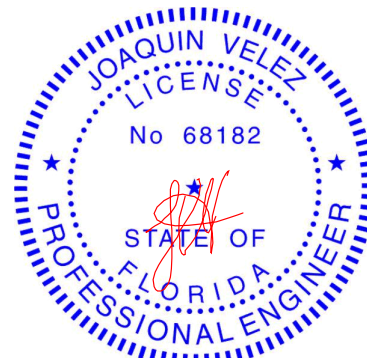
REACTIONS.

(size) 2=4-5-12, 4=4-5-12, 6=4-5-12
Max Horz 2=-58(LC 10)
Max Uplift 2=-65(LC 12), 4=-72(LC 13), 6=-28(LC 12)
Max Grav 2=117(LC 1), 4=117(LC 1), 6=149(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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December 17,2020

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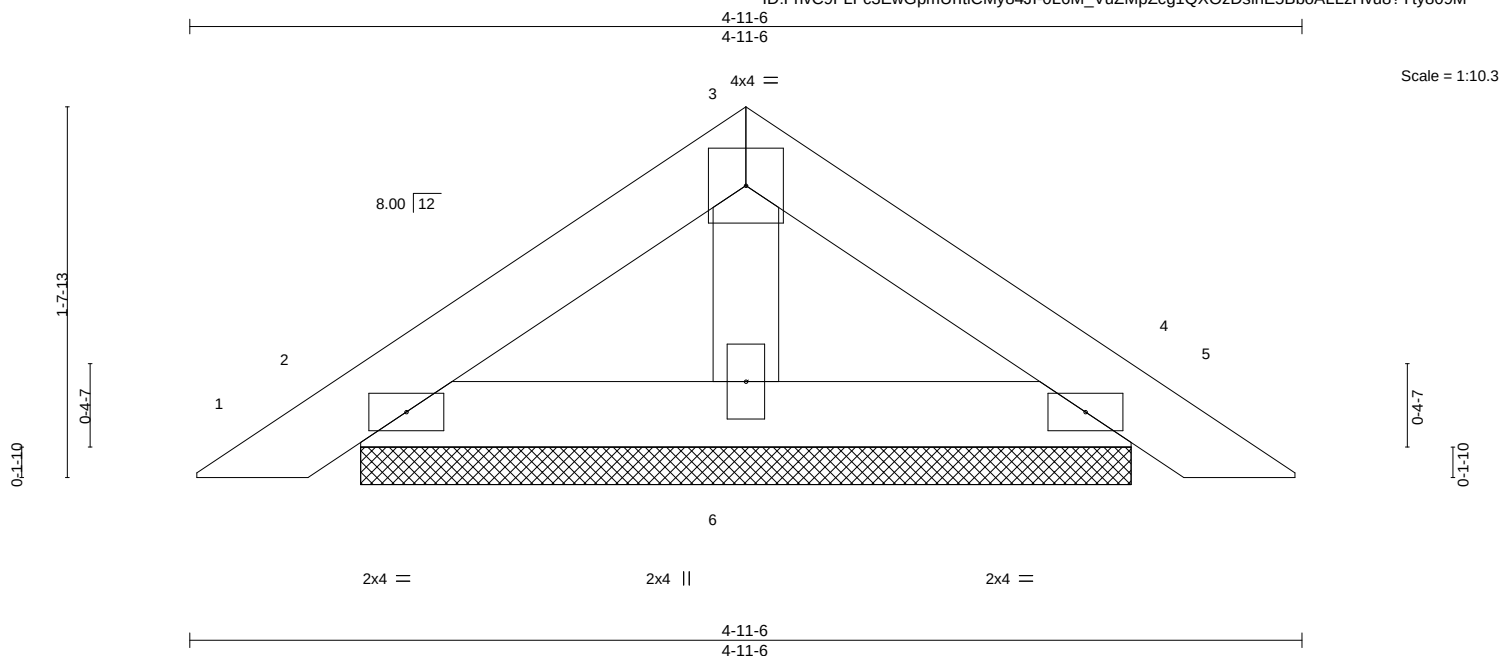
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219793
2569948	PB01G	GABLE	2	1	Job Reference (optional)	

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

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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 0.05	Vert(LL)	0.00 4	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	0.00 4	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00 4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-P					Weight: 15 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 4-11-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

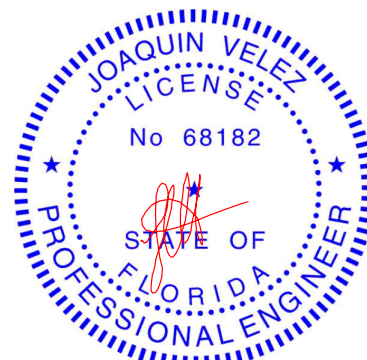
REACTIONS.

(size) 2=3-5-2, 4=3-5-2, 6=3-5-2
Max Horz 2=-47(LC 10)
Max Uplift 2=-55(LC 12), 4=-61(LC 13), 6=-20(LC 12)
Max Grav 2=97(LC 1), 4=97(LC 1), 6=112(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(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) 2, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



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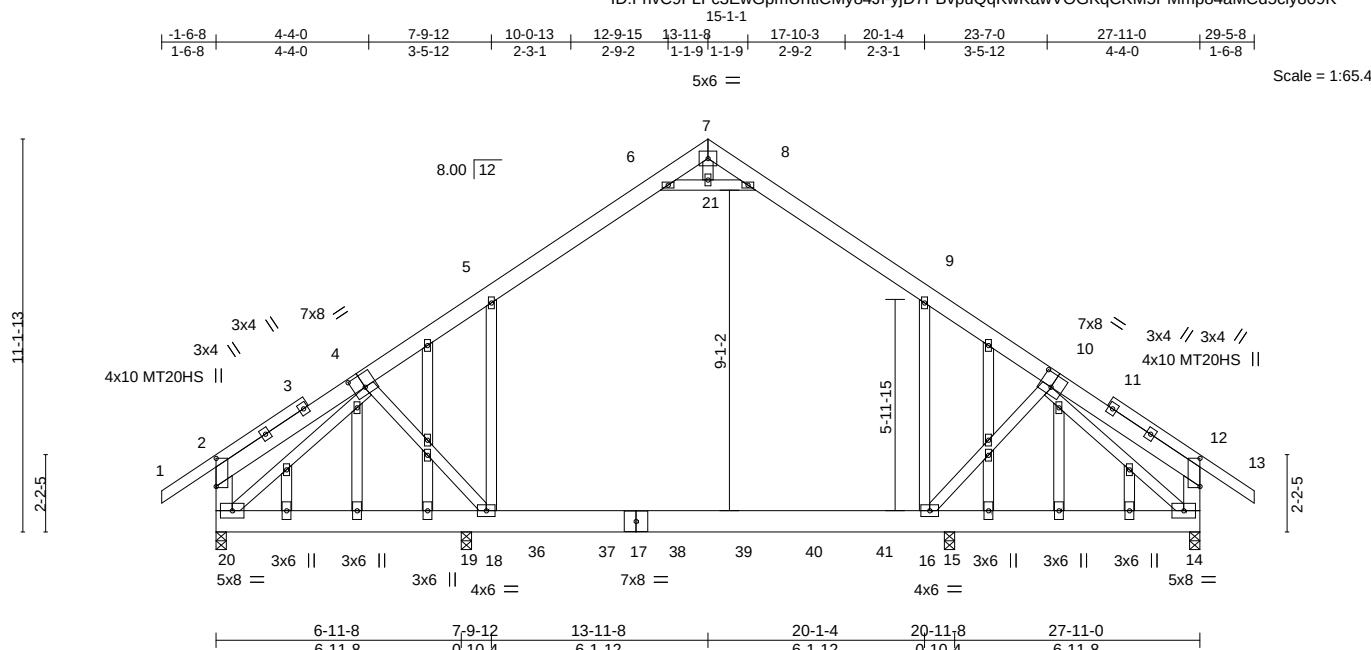
Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	T01G	GABLE	1	1	T22219794

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

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Job Reference (optional)



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.28	Vert(LL)	-0.25 16-18	>658	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.53	Vert(CT)	-0.39 16-18	>424	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.42	Horz(CT)	0.00 14	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS	Attic	-0.22 16-18	664	360	Weight: 265 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
1-3: 2x4 SP No.2, 11-13: 2x4 SP M 31
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
2-20,12-14: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-

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

REACTIONS.

All bearings 0-3-8.
(lb) - Max Horz 19=389(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) except 14=131(LC 28), 19=356(LC 8), 20=132(LC 29), 15=355(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 14=579(LC 1), 19=1388(LC 34), 20=579(LC 1), 15=1386(LC 35)

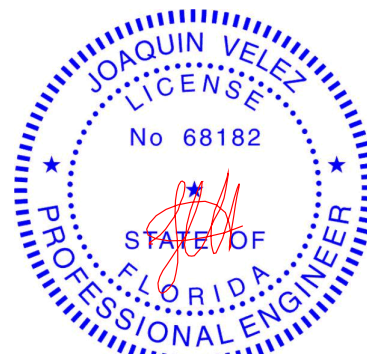
FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-565/123, 5-6=-529/212, 8-9=-529/211, 9-10=-562/122
BOT CHORD 19-20=-47/444, 18-19=-169/533, 16-18=-72/488, 15-16=-44/442, 14-15=-44/442
WEBS 6-21=-451/253, 8-21=-451/253, 9-16=-359/235, 5-18=-361/236, 4-20=-744/43, 10-14=-740/42

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are MT20 plates unless otherwise indicated.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Ceiling dead load (5.0 psf) on member(s). 5-6, 8-9, 6-21, 8-21; Wall dead load (5.0psf) on member(s).9-16, 5-18
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 16-18
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 131 lb uplift at joint 14, 356 lb uplift at joint 19, 132 lb uplift at joint 20 and 355 lb uplift at joint 15.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 26 lb down and 30 lb up at 7-0-4, 26 lb down and 30 lb up at 9-0-4, 26 lb down and 30 lb up at 11-0-4, 26 lb down and 30 lb up at 13-0-4, 26 lb down and 30 lb up at 14-10-12, 26 lb down and 30 lb up at 16-10-12, and 26 lb down and 30 lb up at 18-10-12, and 26 lb down and 30 lb up at 20-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Connections are checked for L/360 deflection.



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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219794
2569948	T01G	GABLE	1	1	Job Reference (optional)	

NOTES-
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

- LOAD CASE(S)** Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-2=-54, 2-5=-54, 5-6=-64, 6-7=-54, 7-8=-54, 8-9=-64, 9-12=-54, 12-13=-54, 18-20=-20, 16-18=-40, 14-16=-20, 6-8=-10
- Drag: 9-16=-10, 5-18=-10
- Concentrated Loads (lb)
- Vert: 19=-13(B) 15=-13(B) 36=-13(B) 37=-13(B) 38=-13(B) 39=-13(B) 40=-13(B) 41=-13(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219795
2569948	T02	Attic	4	1		

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

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ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-QvnVcXwRfkyBXU9635nZNQsSsoivYaLjbsMf9By809J

1-6-8	4-3-0	7-9-12	10-0-13	12-3-10	13-11-8	15-7-6	17-10-3	20-1-4	23-8-0	27-11-0	29-5-8
1-6-8	4-3-0	3-6-12	2-3-1	2-2-13	1-7-14	1-7-14	2-2-13	2-3-1	3-6-12	4-3-0	1-6-8

5x8 =

Scale = 1:69.3

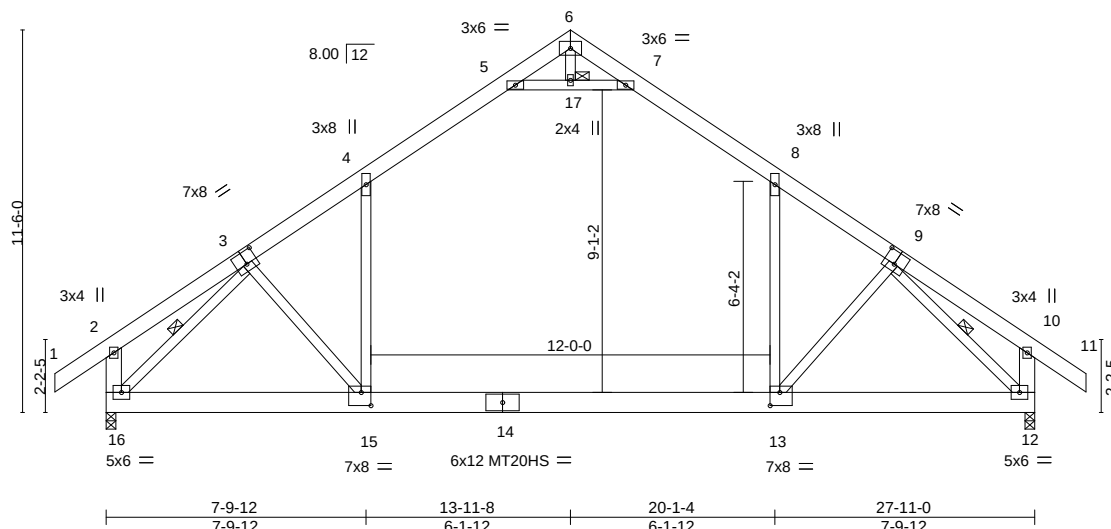


Plate Offsets (X,Y)--		[3:0-4-0,0-4-8], [9:0-4-0,0-4-8], [13:0-3-8,0-4-12], [15:0-3-8,0-4-12]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC 0.60		Vert(LL)		-0.41 13-15		>798		240		MT20		244/190	
TCDL	7.0	Lumber DOL		1.25		BC 0.54		Vert(CT)		-0.70 13-15		>472		180		MT20HS		187/143	
BCLL	0.0 *	Rep Stress Incr		YES		WB 0.48		Horz(CT)		0.02 12		n/a		n/a					
BCDL	10.0	Code FBC2017/TPI2014				Matrix-MS		Attic		-0.24 13-15		626		360		Weight: 238 lb		FT = 20%	

LUMBER-

TOP CHORD 2x6 SP M 26 *Except*
1-3,9-11: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
2-16,10-12: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-16, 9-12
JOINTS 1 Brace at Jt(s): 17

REACTIONS.

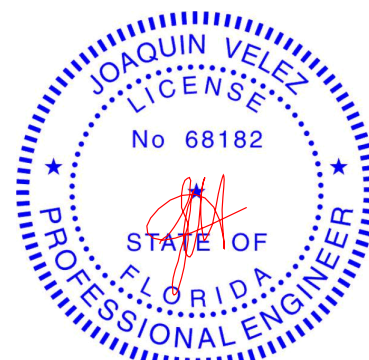
(size) 16=0-3-8, 12=0-3-8
Max Horz 16=411(LC 11)
Max Uplift 16=-250(LC 12), 12=-250(LC 13)
Max Grav 16=1642(LC 20), 12=1642(LC 21)

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

TOP CHORD 3-4=-1901/289, 4-5=-1323/365, 5-6=-86/861, 6-7=-86/861, 7-8=-1323/365,
8-9=-1900/289, 2-16=-278/261, 10-12=-278/261
BOT CHORD 15-16=-178/1556, 13-15=0/1449, 12-13=-107/1384
WEBS 5-17=-2364/555, 7-17=-2364/555, 8-13=0/926, 9-13=-191/279, 4-15=0/926,
3-15=-190/278, 3-16=-2021/158, 9-12=-2020/158

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-17, 7-17; Wall dead load (5.0psf) on member(s).8-13, 4-15
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 250 lb uplift at joint 16 and 250 lb uplift at joint 12.
- Attic room checked for L/360 deflection.



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

December 17,2020

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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	IC CONST - CALVERLEY RES.	T22219796
2569948	T03	Attic	2	1		

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

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ID:FhvC9FLFc3EwGpmUrttCMY84Jl-v6Lqtq3Q2429ekldplovDdbC27H1atqW6Chey809l

-1-6-8	4-3-0	7-9-12	10-0-13	12-3-10	13-11-8	15-7-6	17-10-3	20-1-4	23-8-0	27-11-0
1-6-8	4-3-0	3-6-12	2-3-1	2-2-13	1-7-14	1-7-14	2-2-13	2-3-1	3-6-12	4-3-0

5x8 =

Scale = 1:69.3

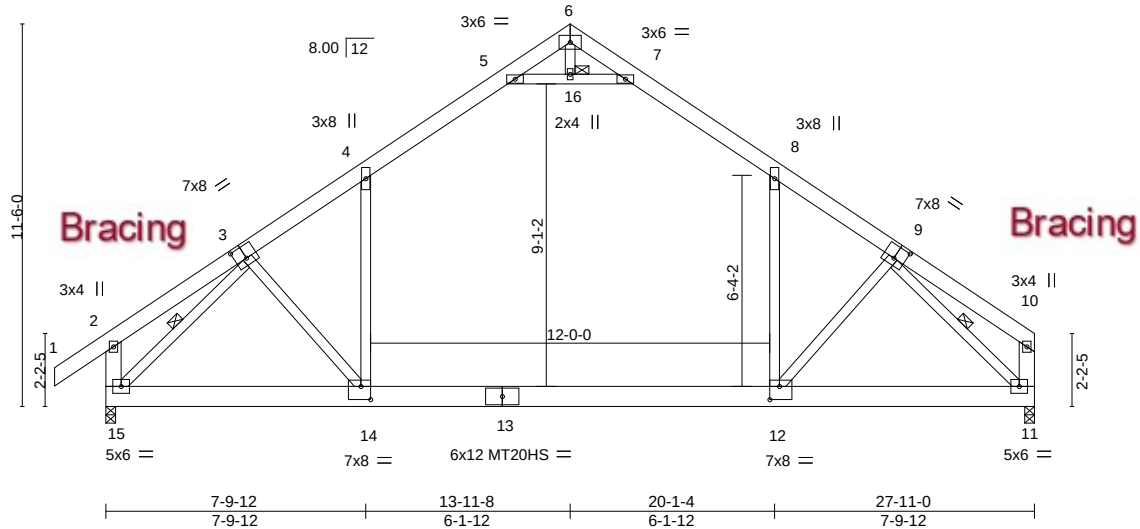


Plate Offsets (X,Y)-- [3:0-4-0,0-4-8], [9:0-4-0,0-4-8], [12:0-3-8,0-4-12], [14:0-3-8,0-4-12]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.41 12-14 >798 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.70 12-14 >472 180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.02 11 n/a n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.24 12-14 626 360	Weight: 233 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP M 26 *Except*
1-3,9-10: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
2-15,10-11: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-11-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-15, 9-11
JOINTS 1 Brace at Jt(s): 16

REACTIONS.

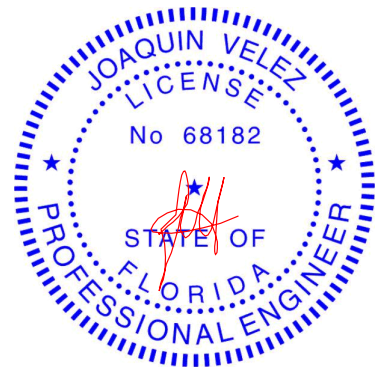
(size) 15=0-3-8, 11=0-3-8
Max Horz 15=-365(LC 10)
Max Uplift 15=-249(LC 12), 11=-189(LC 13)
Max Grav 15=1645(LC 20), 11=1549(LC 21)

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

TOP CHORD 3-4=-1903/292, 4-5=-1325/365, 5-6=-87/864, 6-7=-86/862, 7-8=-1326/366, 8-9=-1910/291, 2-15=-278/261
BOT CHORD 14-15=-243/1525, 12-14=-62/1420, 11-12=-164/1368
WEBS 5-16=-2373/558, 7-16=-2373/558, 8-12=0/930, 9-12=-189/288, 4-14=0/926, 3-14=-189/279, 3-15=-2023/152, 9-11=-2017/198

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-16, 7-16; Wall dead load (5.0psf) on member(s).8-12, 4-14
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 249 lb uplift at joint 15 and 189 lb uplift at joint 11.
- Attic room checked for L/360 deflection.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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December 17,2020

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219797
2569948	T04	Attic Girder	1	3	Job Reference (optional)	

- NOTES-**
- 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 314 lb down and 336 lb up at 7-9-4, 136 lb down and 68 lb up at 21-8-4, and 136 lb down and 68 lb up at 23-8-4, and 116 lb down and 151 lb up at 25-8-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 15) Attic room checked for L/360 deflection.

- LOAD CASE(S)** Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-2=-54, 2-5=-54, 5-6=-205(F=-141), 6-7=-195(F=-141), 7-8=-195(F=-141), 8-11=-141(F), 8-10=-205(F=-141), 10-13=-54, 18-20=-20, 16-18=-181(F=-141), 14-16=-20, 6-9=-10
- Drag: 5-18=-10, 10-16=-10
- Concentrated Loads (lb)
- Vert: 18=-314(F) 15=-116(F) 22=-116(F) 24=-96(F)

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219798
2569948	T05	ATTIC GIRDER	2	3	Job Reference (optional)	

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-2=-54, 5-21=-64, 5-6=-54, 6-7=-54, 7-8=-64, 8-10=-54, 10-11=-54, 19-22=-20, 16-22=-230(F=-210), 15-16=-250(F=-210), 12-15=-20, 5-7=-10

Drag: 8-15=-10, 4-16=-10
- Concentrated Loads (lb)
- Vert: 6=-1700(F) 15=-979(F)
- Trapezoidal Loads (plf)
- Vert: 2=-166-to-4=-80, 4=-90-to-21=-64

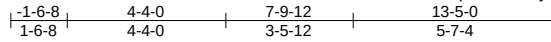


Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	T06	Monopitch Girder	1	2	T22219799

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Scale = 1:63.0

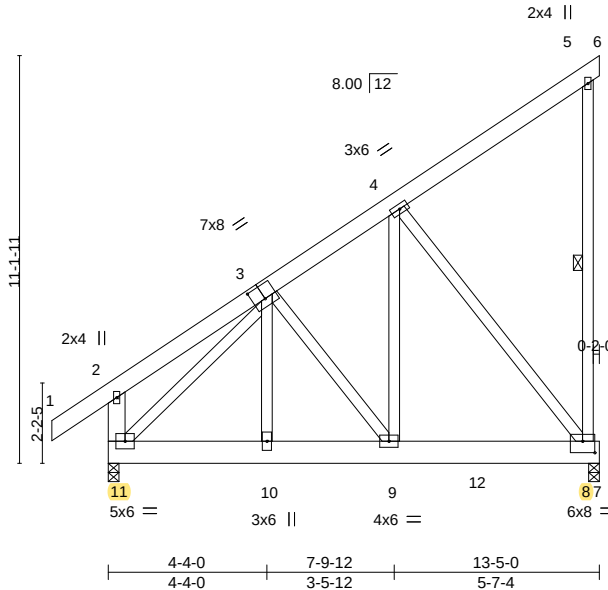


Plate Offsets (X,Y)-- [3:0-4-0,0-4-8], [8:0-4-0,0-3-12]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	-0.01	8-9	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.08	Vert(CT)	-0.02	8-9	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.44	Horz(CT)	-0.00	8	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 290 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
2-11: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-8

REACTIONS.

(size) 8=0-3-8, 11=0-3-8
Max Horz 11=735(LC 8)
Max Uplift 8=-1333(LC 8), 11=-143(LC 8)
Max Grav 8=2322(LC 29), 11=984(LC 1)

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

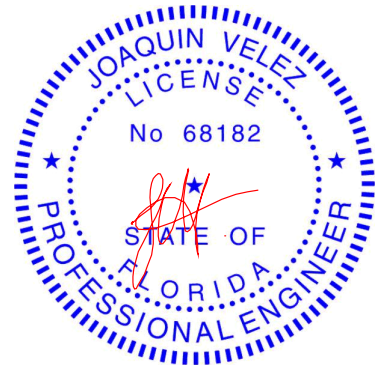
TOP CHORD 3-4=-889/67, 4-5=-316/236, 5-8=-555/357, 2-11=-360/231
BOT CHORD 10-11=-678/813, 9-10=-677/810, 8-9=-612/937
WEBS 3-9=-55/371, 4-9=-561/898, 4-8=-1517/992, 3-11=-776/0

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1333 lb uplift at joint 8 and 143 lb uplift at joint 11.
- Girder carries tie-in span(s): 8-0-0 from 7-9-12 to 13-5-0
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 299 lb down and 318 lb up at 7-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-4=-54, 4-5=-165(F=-111), 5-6=-165(F=-111), 9-11=-20, 7-9=-170(F=-150)
Concentrated Loads (lb)
Vert: 9=-299(B)



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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December 17,2020

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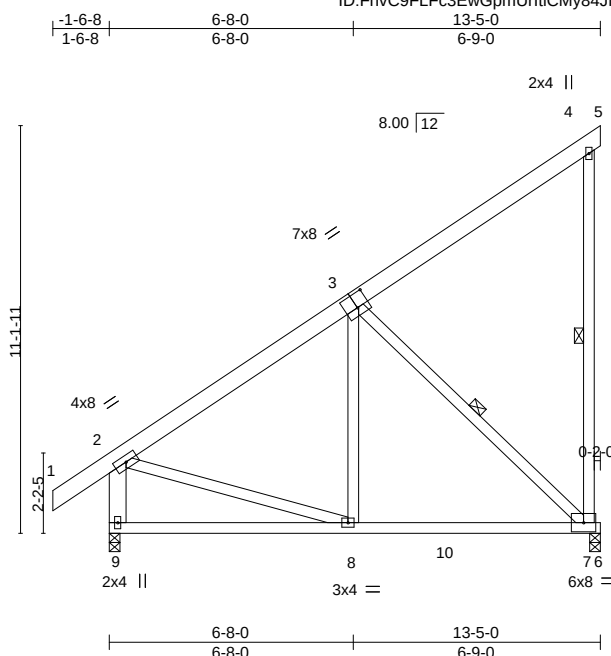
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Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	T07	Monopitch	1	1	T22219800

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Scale = 1:63.0

Plate Offsets (X,Y)--		[3:0-4-0,0-4-8]											
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 0.22		Vert(LL)		-0.04 7-8 >999 240		MT20 244/190	
TCDL	7.0	Lumber DOL		1.25		BC 0.40		Vert(CT)		-0.08 7-8 >999 180			
BCLL	0.0 *	Rep Stress Incr		YES		WB 0.24		Horz(CT)		-0.01 7 n/a n/a			
BCDL	10.0	Code FBC2017/TPI2014				Matrix-MS						Weight: 112 lb FT = 20%	

LUMBER-

TOP CHORD 2x6 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except*
 2-9: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-0-11 oc bracing.
 WEBS 1 Row at midpt 4-7, 3-7

REACTIONS.

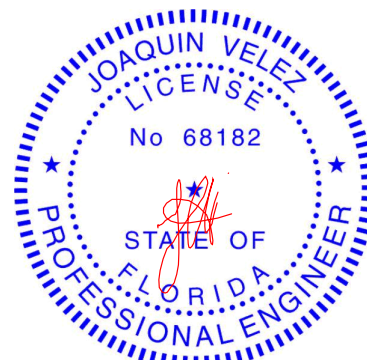
(size) 9=0-3-8, 7=0-3-8
 Max Horz 9=453(LC 12)
 Max Uplift 9=-76(LC 12), 7=-449(LC 12)
 Max Grav 9=578(LC 1), 7=620(LC 19)

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

TOP CHORD 2-3=-439/0, 2-9=-522/141
 BOT CHORD 8-9=-539/480, 7-8=-301/429
 WEBS 3-7=-590/416, 2-8=-53/330

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 9 and 449 lb uplift at joint 7.



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



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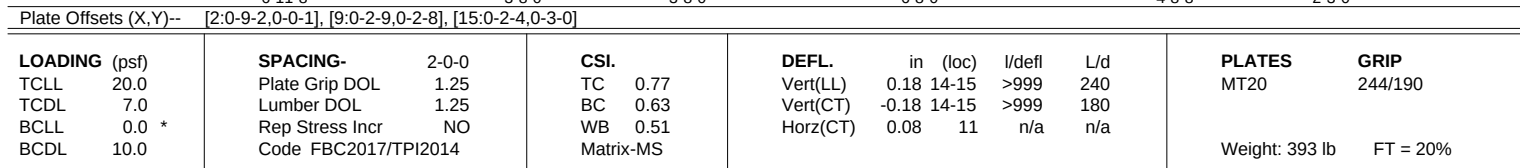
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:23 2020 Page 1

ID:FhvC9FLfC3EwGpmUritlCMy84Jl-geqvVc14XV4v7Lr5URgEJkzyRmY9e62f12dzAy809A

1-6-8 6-11-8 10-7-8 14-3-8 17-7-8 20-11-8 25-8-0 27-11-0 29-5-8

1-6-8 6-11-8 3-8-0 3-8-0 3-4-0 3-4-0 4-8-8 2-3-0 1-6-8

Scale = 1:51.3



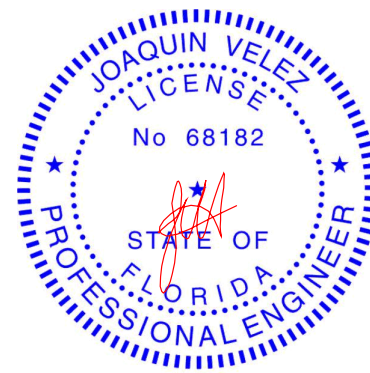
REACTIONS. (size) 2=0-3-8, 11=0-3-8
 Max Horz 2=219(LC 7)
 Max Uplift 2=-1452(LC 8), 11=-1466(LC 9)
 Max Grav 2=2080(LC 33), 11=2081(LC 34)

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

TOP CHORD	2-4=-2686/1989, 4-5=-2200/1738, 5-6=-3501/2728, 6-7=-3528/2748, 7-8=-2793/2174, 8-9=-3360/2471, 9-11=-2122/1520
BOT CHORD	2-18=-1658/2243, 17-18=-2182/2867, 14-15=-2462/3278, 13-14=-1992/2759, 9-13=-1959/2673, 11-12=-351/452
WEBS	4-18=-973/1303, 5-18=-1231/1088, 5-17=-274/223, 15-17=-2191/2876, 5-15=-917/1237, 7-15=-501/610, 7-14=-805/737, 8-14=-1254/1644, 9-12=-395/315

NOTES-

- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1452 lb uplift at joint 2 and 1466 lb uplift at joint 11.



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

December 17, 2020

Continued on page 2



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6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219801
2569948	T08	HIP GIRDER	1	2	Job Reference (optional)	

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 90 lb down and 93 lb up at 6-11-8, 100 lb down and 89 lb up at 9-0-4, 100 lb down and 89 lb up at 11-0-4, 100 lb down and 89 lb up at 13-0-4, 78 lb down and 60 lb up at 14-10-12, 78 lb down and 60 lb up at 16-10-12, and 78 lb down and 60 lb up at 18-10-12, and 68 lb down and 63 lb up at 20-11-8 on top chord, and 447 lb down and 440 lb up at 6-11-8, 159 lb down and 150 lb up at 9-0-4, 159 lb down and 150 lb up at 11-0-4, 159 lb down and 150 lb up at 13-0-4, 185 lb down and 175 lb up at 14-10-12, 185 lb down and 175 lb up at 16-10-12, and 185 lb down and 175 lb up at 18-10-12, and 502 lb down and 477 lb up at 20-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-54, 4-8=-54, 8-9=-54, 9-10=-54, 16-19=-20, 13-15=-20, 11-12=-20

Concentrated Loads (lb)

Vert: 4=-26(F) 8=-6(F) 18=-379(F) 14=-427(F) 23=-26(F) 24=-26(F) 25=-26(F) 26=-6(F) 27=-6(F) 28=-6(F) 30=-138(F) 31=-138(F) 32=-138(F) 33=-161(F) 34=-161(F) 35=-161(F)



Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219802
2569948	T09	Hip	1	1		

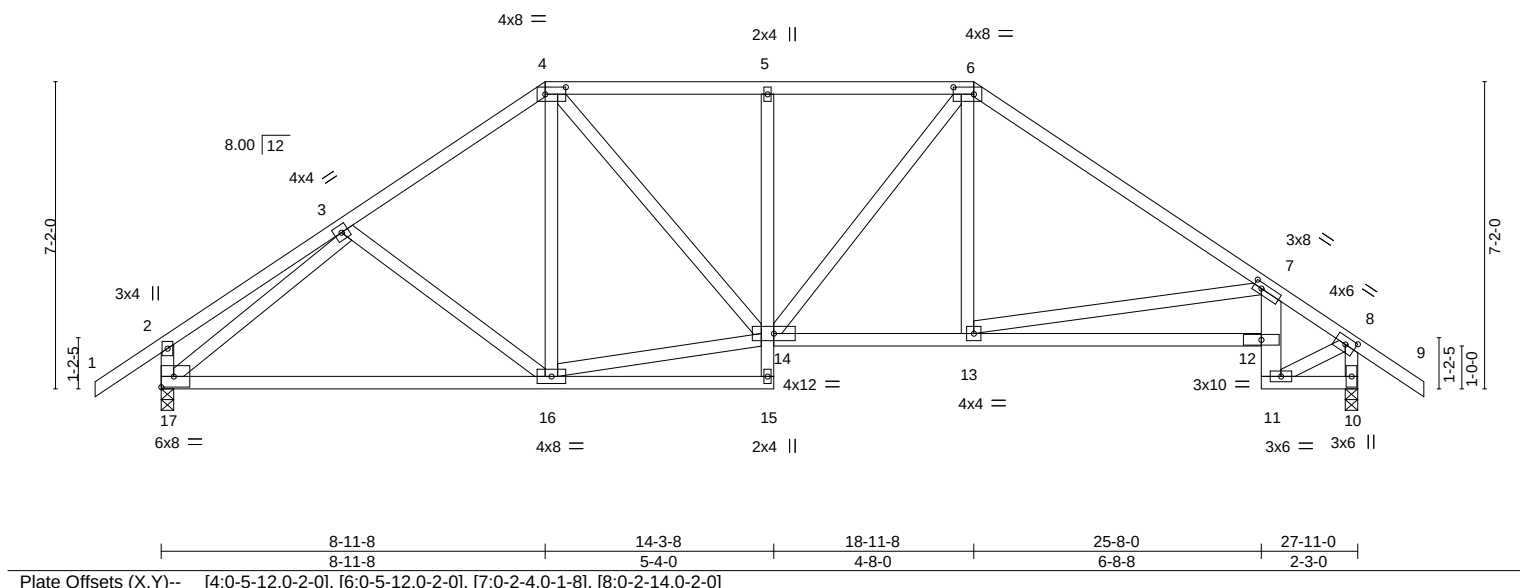
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:24 2020 Page 1

ID: FhVc9FLFc3EwGpmUritICMy84Jl-8rOHiy2ilpCmk1w1fCyvnXHBKq4mu2ZCuPnBVcy8099

-1-6-8	4-4-0	8-11-8	14-3-8	18-11-8	25-8-0	27-11-0	29-5-8
1-6-8	4-4-0	4-7-8	5-4-0	4-8-0	6-8-8	2-3-0	1-6-8

Scale = 1:53.8



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.53	Vert(LL) -0.16 16-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.70	Vert(CT) -0.33 16-17	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.76	Horz(CT) 0.10 10	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 *Except*
 5-15: 2x4 SP No.3, 7-11: 2x6 SP No.2
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

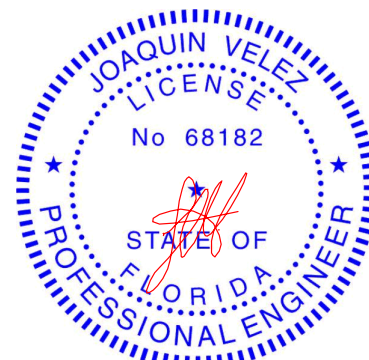
(size) 10=0-3-8, 17=0-3-8
 Max Horz 17=-269(LC 10)
 Max Uplift 10=-392(LC 13), 17=-392(LC 12)
 Max Grav 10=1113(LC 1), 17=1113(LC 1)

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

TOP CHORD 2-3=-259/149, 3-4=-1167/619, 4-5=-1204/702, 5-6=-1206/701, 6-7=-1390/647,
 7-8=-993/487, 2-17=-317/236, 8-10=-1127/595
 BOT CHORD 16-17=-409/937, 5-14=-303/246, 13-14=-286/1065, 12-13=-690/1613, 11-12=-343/168,
 7-12=-284/191
 WEBS 14-16=-319/877, 4-14=-238/490, 6-14=-248/314, 6-13=-46/348, 7-13=-790/490,
 3-17=-1118/546, 8-11=-375/856

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 392 lb uplift at joint 10 and 392 lb uplift at joint 17.



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

December 17,2020

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

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



6904 Parke East Blvd.
 Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219803
2569948	T10	Hip	1	1		

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

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ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-c1yfwH3L36KdMAUDCvT8JkpOWEOZdb8L73Xk23y8098

Job Reference (optional)

-1-6-8	5-6-0	10-11-8	14-3-8	16-11-8	21-3-12	25-8-0	27-11-0	29-5-8
1-6-8	5-6-0	5-5-8	3-4-0	2-8-0	4-4-4	4-4-4	2-3-0	1-6-8

Scale = 1:58.6

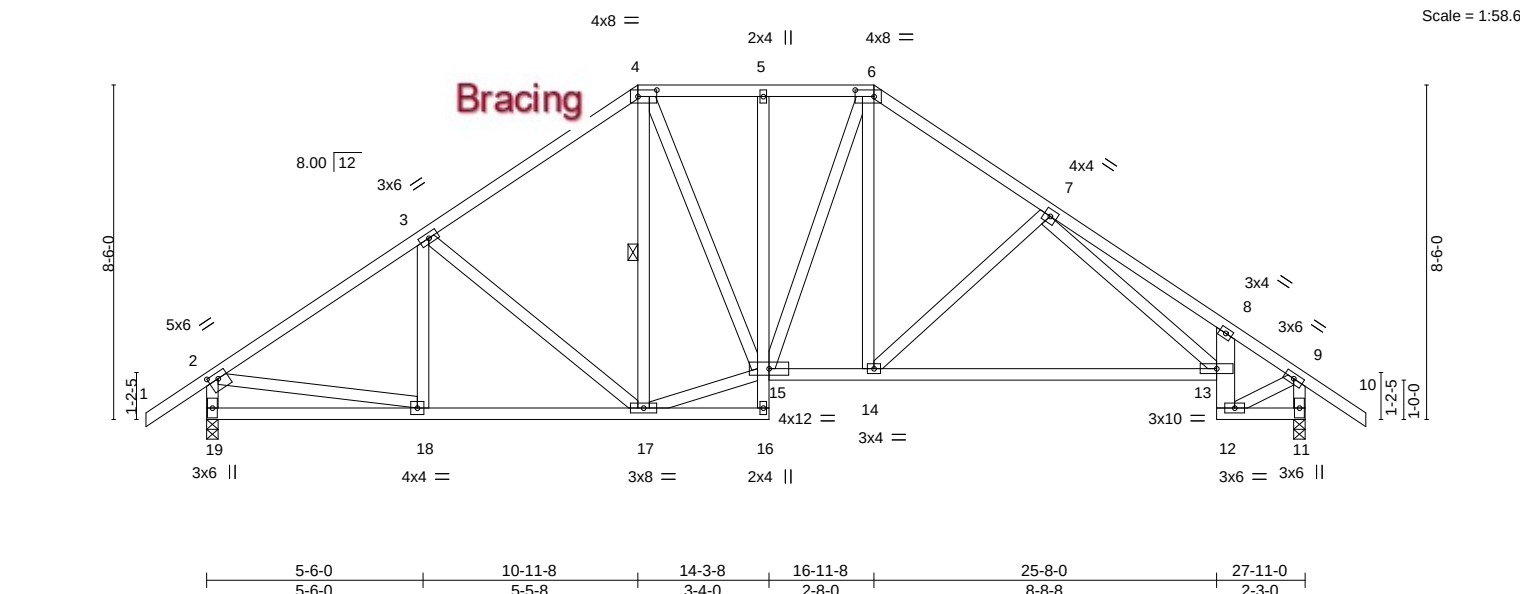


Plate Offsets (X,Y)--		[2:0-3-0,0-1-12], [4:0-5-12,0-2-0], [6:0-5-12,0-2-0]										
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL 1.25		TC	0.44	Vert(LL)	-0.19	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL 1.25		BC	0.79	Vert(CT)	-0.41	13-14	>814	180		
BCLL	0.0 *	Rep Stress Incr YES		WB	0.35	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 207 lb FT = 20%		

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 5-16: 2x4 SP No.3, 8-12: 2x6 SP No.2
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-2-9 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 4-17

REACTIONS.

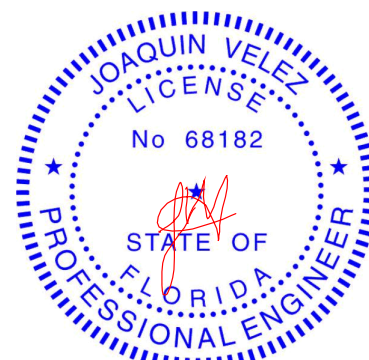
(size) 19=0-3-8, 11=0-3-8
 Max Horz 19=-311(LC 10)
 Max Uplift 19=-412(LC 12), 11=-412(LC 13)
 Max Grav 19=1113(LC 1), 11=1113(LC 1)

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

TOP CHORD 2-3=-1276/593, 3-4=-1077/602, 4-5=-985/609, 5-6=-986/610, 6-7=-1212/635,
 7-8=-1846/840, 8-9=-983/470, 2-19=-1062/582, 9-11=-1127/586
 BOT CHORD 18-19=-292/353, 17-18=-371/999, 14-15=-185/950, 13-14=-392/1172, 12-13=-319/145,
 8-13=-558/265
 WEBS 3-17=-355/269, 15-17=-251/801, 4-15=-149/409, 6-14=-156/475, 7-14=-415/311,
 7-13=-200/578, 2-18=-329/924, 9-12=-325/805

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 412 lb uplift at joint 19 and 412 lb uplift at joint 11.



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

December 17,2020

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



6904 Parke East Blvd.
 Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219804
2569948	T11	Hip	1	1		

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

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ID:FhvC9FLFc3EwGpmUrttCMY84JI-4DW17d3zqQSU_K3Qmd?NsyMXRel5M_pUMjGHAVy8097

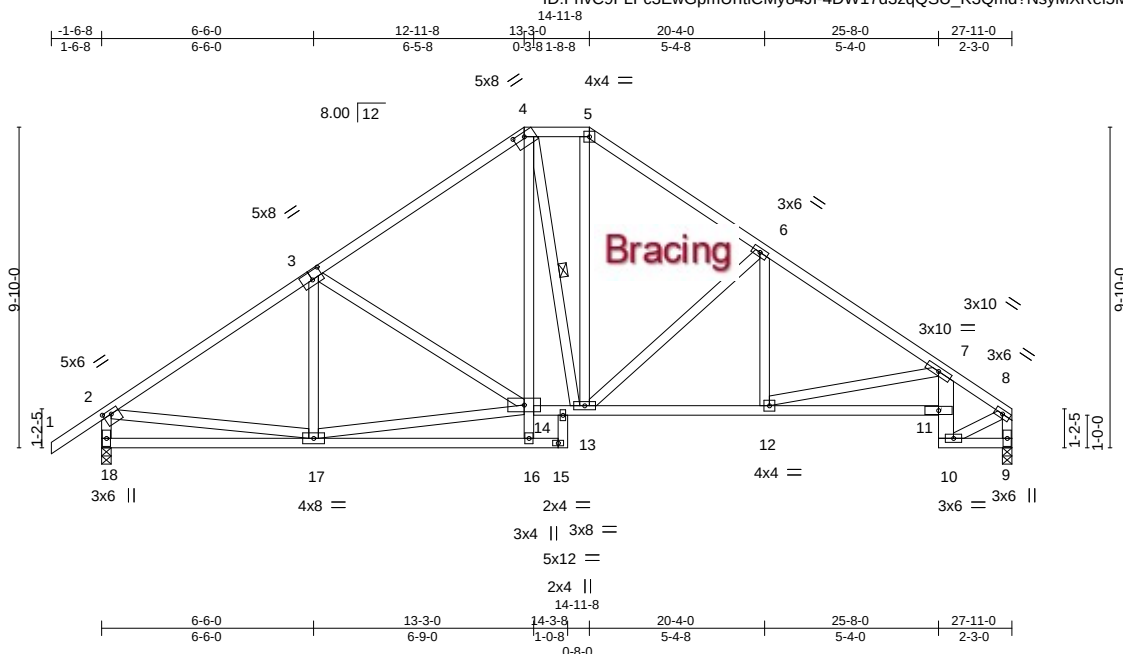


Plate Offsets (X,Y)-- [2:0-3-0,0-1-8], [3:0-4-0,0-3-0], [4:0-4-0,0-1-9]															
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc) l/defl L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.56	Vert(LL)	-0.06	15	>999	240	MT20	244/190	
TCDL	7.0	Lumber DOL		1.25		BC	0.71	Vert(CT)	-0.13	11-12	>999	180			
BCLL	0.0 *	Rep Stress Incr		YES		WB	0.58	Horz(CT)	0.09	9	n/a	n/a			
BCDL	10.0	Code FBC2017/TPI2014				Matrix-MS									
												Weight: 207 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 4-16: 2x4 SP No.3, 7-10: 2x6 SP No.2
 WEBS 2x4 SP No.3

REACTIONS. (size) 18=0-3-8, 9=0-3-8
 Max Horz 18=342(LC 11)
 Max Uplift 18=-425(LC 12), 9=-366(LC 13)
 Max Grav 18=1125(LC 1), 9=1028(LC 1)

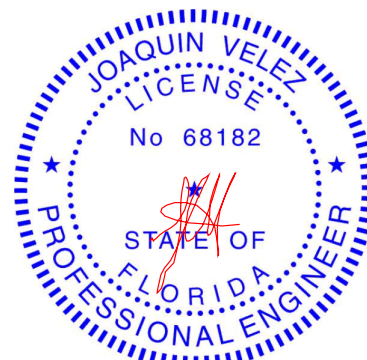
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1311/588, 3-4=-1113/592, 4-5=-969/572, 5-6=-1109/607, 6-7=-1496/682,
 7-8=-1026/469, 2-18=-1065/575, 8-9=-1043/471
 BOT CHORD 17-18=-359/407, 4-14=-178/367, 13-14=-193/838, 12-13=-437/1180, 11-12=-726/1544,
 10-11=-341/166, 7-11=-299/184
 WEBS 3-14=-364/287, 5-13=-214/470, 6-13=-563/359, 6-12=-35/300, 7-12=-470/317,
 2-17=-282/899, 8-10=-379/856, 14-17=-412/956

NOTES-

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 425 lb uplift at joint 18 and 366 lb uplift at joint 9.

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-7-1 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
 10-0-0 oc bracing: 14-16
 WEBS 1 Row at midpt 4-13



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

December 17,2020

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



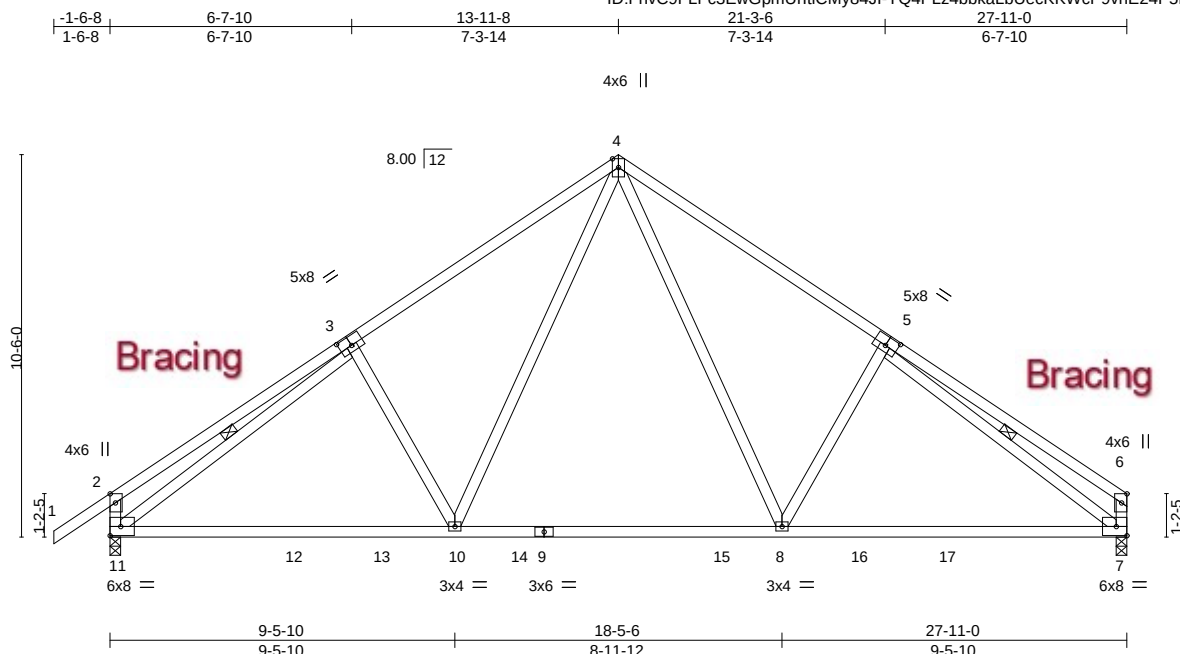
6904 Parke East Blvd.
 Tampa, FL 33610

Job 2569948	Truss T12	Truss Type Common	Qty 7	Ply 1	IC CONST - CALVERLEY RES. T22219805
Job Reference (optional)					

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

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ID:FhvC9FLFc3EwGpmUrttICMy84Jl-YQ4PLz4bbkaLbUeckKWcP9vhE24P5PXeaN0r6xy8096



Scale = 1:63.3

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [3:0-4-0,0-3-0], [5:0-4-0,0-3-0]															
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.23	8-10	l/defl	L/d	MT20	244/190			
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.37	7-8	>902	180					
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	7	n/a	n/a					
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 170 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 3-8-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-6-13 oc bracing.
WEBS 1 Row at midpt 3-11, 5-7

REACTIONS.

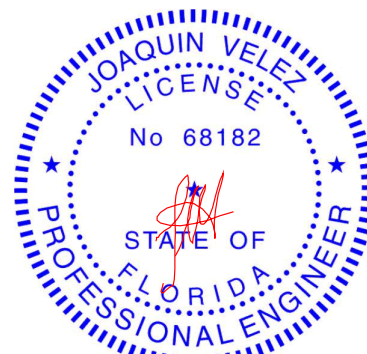
(size) 11=0-3-8, 7=0-3-8
Max Horz 11=362(LC 11)
Max Uplift 11=-434(LC 12), 7=-375(LC 13)
Max Grav 11=1188(LC 19), 7=1096(LC 20)

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

TOP CHORD 2-3=-422/277, 3-4=-1290/684, 4-5=-1298/686, 5-6=-365/222, 2-11=-451/333, 6-7=-333/215
BOT CHORD 10-11=-464/1270, 8-10=-155/863, 7-8=-420/1063
WEBS 4-8=-309/661, 5-8=-363/391, 4-10=-303/649, 3-10=-359/384, 3-11=-1135/396, 5-7=-1144/438

NOTES-

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 434 lb uplift at joint 11 and 375 lb uplift at joint 7.



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

December 17,2020

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

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

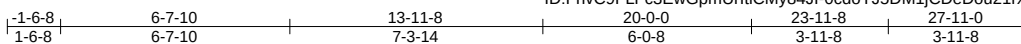


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219806
2569948	T13	Roof Special Girder	1	1		

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

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:28 2020 Page 1
ID:FhvC9FLFc3EwGpmUrttICMy84Jl-0cdoYJ5DM1jCDeDou21rxNRw7SXlqqdnp1lOeOy8095



5x6 =

Scale = 1:66.7

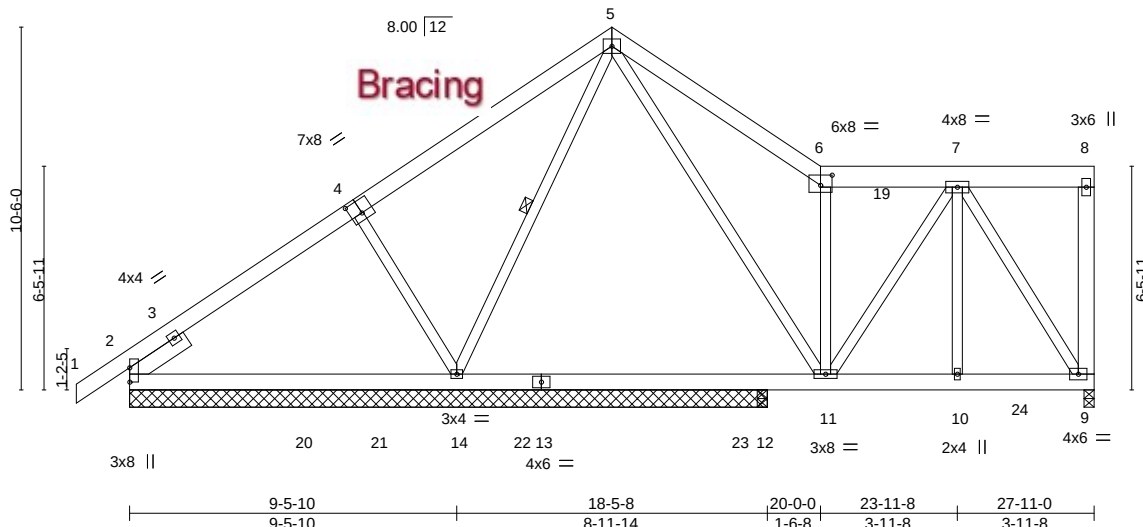


Plate Offsets (X,Y)-- [2:0-5-0,0-0-1], [4:0-4-0,0-4-8], [6:0-4-0,0-3-9]

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 0.35	Vert(LL)	-0.06 12-14	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.38	Vert(CT)	-0.07 14-17	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.88	Horz(CT)	0.01 2	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 244 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
6-8: 2x8 SP 2400F 2.0E
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
8-9: 2x6 SP No.2
SLIDER Left 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-14

REACTIONS.

All bearings 18-5-8 except (jt=length) 9=0-3-8, 12=0-3-8.
(lb) - Max Horz 2=388(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 12 except 9=319(LC 9), 2=200(LC 27), 14=422(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 9=827(LC 33), 2=500(LC 15), 14=1036(LC 33), 12=558(LC 34), 2=484(LC 1)

FORCES.

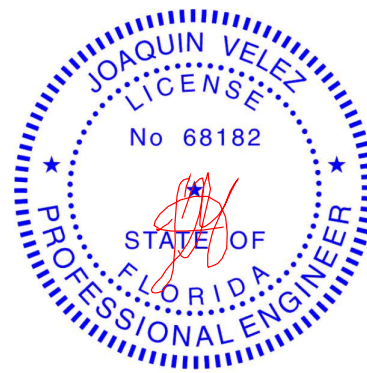
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-365/146, 5-6=-772/431, 6-7=-499/174
BOT CHORD 2-14=-250/331, 12-14=-89/277, 11-12=-89/277, 10-11=-142/421, 9-10=-142/421
WEBS 4-14=-416/411, 5-14=-519/239, 5-11=-341/491, 6-11=-781/484, 7-10=-87/327, 7-9=-775/259

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 9=319, 2=200, 14=422, 2=200.
- Girder carries tie-in span(s): 4-0-0 from 13-11-8 to 20-0-0
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 169 lb down and 6 lb up at 21-8-4, and 169 lb down and 6 lb up at 23-8-4 on top chord, and 272 lb down and 115 lb up at 25-8-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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



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MiTek USA, Inc. FL Cert 6634
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Date:

December 17,2020

Continued on page 2

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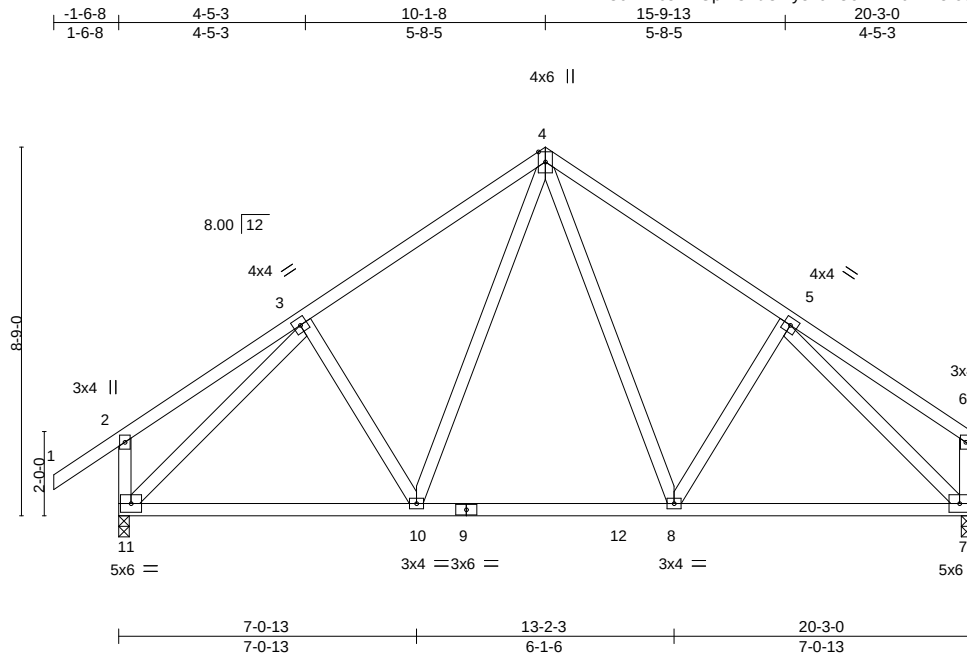
Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219806
2569948	T13	Roof Special Girder	1	1	Job Reference (optional)	

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-5=-54, 5-6=-91(F=-37), 6-8=-54, 9-15=-20
Concentrated Loads (lb)
Vert: 7=-75(B) 19=-75(B) 24=-93(B)

Job 2569948	Truss T14	Truss Type Common	Qty 2	Ply 1	IC CONST - CALVERLEY RES. T22219807
Job Reference (optional)					

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

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:29 2020 Page 1
ID:FhVC9FLFc3EwGpmUrttICMy84JI-UoBAmf6r7Lr3roo?RIY4Ua_4zrsJZMux2hVvBqy8094



Scale = 1:54.7

Plate Offsets (X,Y)-- [2:0-0-0,0-0-0], [5:0-0-0,0-0-0]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.35	Vert(LL)	-0.08 8-10	>999	240
TCDL 7.0	Lumber DOL	1.25	BC 0.42	Vert(CT)	-0.13 10-11	>999	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.56	Horz(CT)	0.02 7	n/a	n/a
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS				
				PLATES	GRIP		
				MT20	244/190		
				Weight: 132 lb		FT = 20%	

LUMBER-

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

BRACING-

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

REACTIONS.

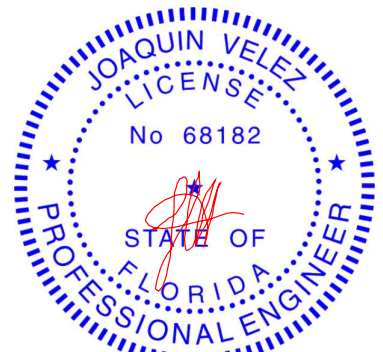
(size) 11=0-3-0, 7=0-3-0
Max Horz 11=318(LC 9)
Max Uplift 11=-323(LC 12), 7=-266(LC 13)
Max Grav 11=833(LC 1), 7=735(LC 1)

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

TOP CHORD 3-4=-778/446, 4-5=-782/447, 2-11=-262/230
BOT CHORD 10-11=-289/706, 8-10=-127/533, 7-8=-276/569
WEBS 4-10=-179/322, 4-8=-179/329, 3-11=-786/306, 5-7=-765/365

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) 11=323, 7=266.



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

December 17,2020

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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



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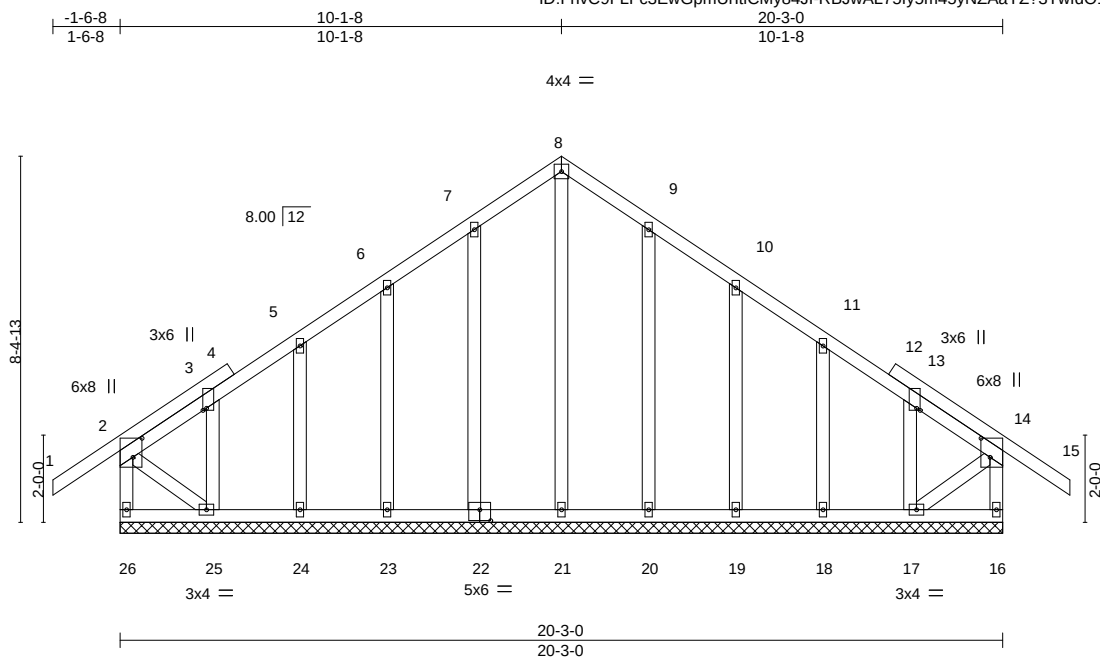


Plate Offsets (X,Y)-- [2:0-5-4,0-2-8], [3:0-0-9,0-1-0], [9:0-0-0,0-0-0], [10:0-0-0,0-0-0], [11:0-0-0,0-0-0], [13:0-0-9,0-1-0], [14:0-5-4,0-2-8], [22:0-3-0,0-3-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	-0.01 15 n/r 120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.01 15 n/r 120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.01 16 n/a n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S				Weight: 157 lb	FT = 20%

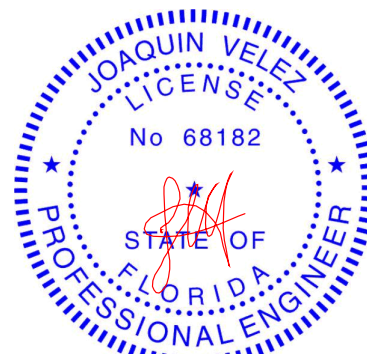
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2		
WEBS	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS	2x4 SP No.3		

REACTIONS. All bearings 20-3-0.
(lb) - Max Horz 26=-311(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 16 except 26=-156(LC 8), 22=-113(LC 12), 23=-117(LC 12),
24=-110(LC 12), 25=-237(LC 12), 20=-113(LC 13), 19=-119(LC 13), 18=-110(LC 13), 17=-222(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 16, 21, 22, 23, 24, 25, 20, 19, 18, 17 except 26=267(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 25-26=-295/279

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2'-0" oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16 except (jt=lb) 26=156, 22=113, 23=117, 24=110, 25=237, 20=113, 19=119, 18=110, 17=222.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

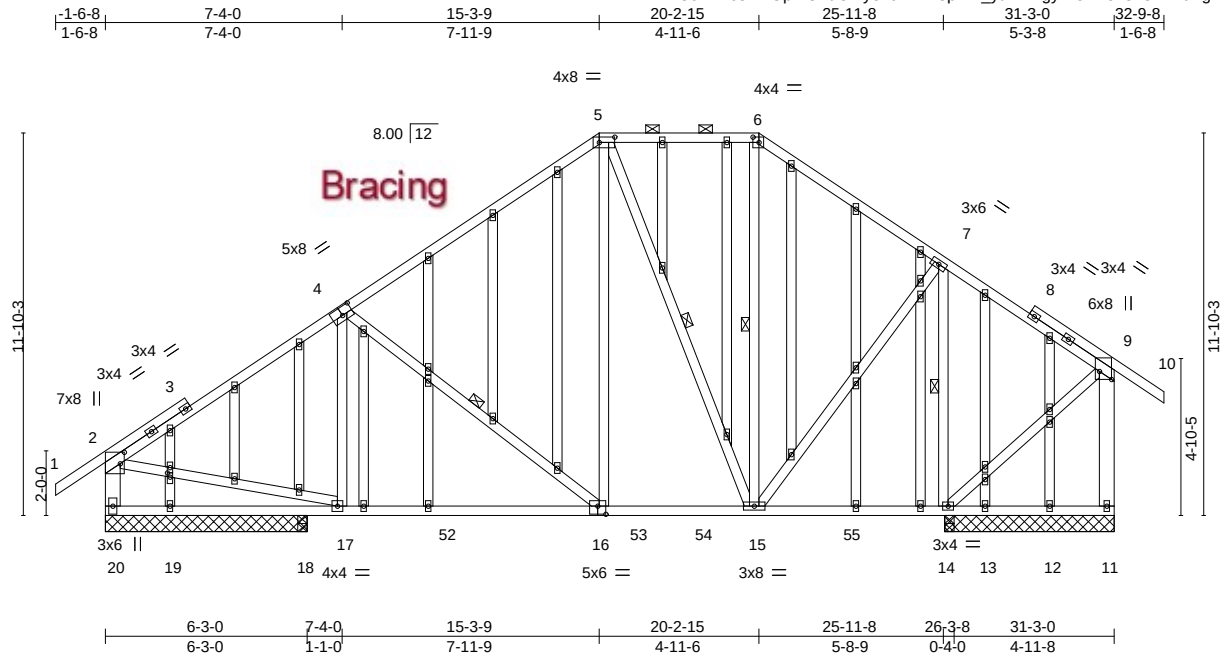


6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	T15G	GABLE Gable I Gable COMMON	1	1	T22219810
Job Reference (optional)					

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

8,240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:34 2020 Page 1
ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-rm?3pMA_ytLxZgyEI8FBehsTsXxEdZgBzCjs1y809?



Scale = 1:71.4

Plate Offsets (X,Y)--	[2:0-4-4,0-1-8], [4:0-4-0,0-3-0], [5:0-5-12,0-2-0], [6:0-2-4,0-2-0], [9:0-3-0,Edge], [16:0-3-0,0-3-0], [37:0-1-9,0-1-0]					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl
TCLL 20.0	Plate Grip DOL	1.25	TC 0.68	Vert(LL)	-0.10 16-17	>999 240
TCDL 7.0	Lumber DOL	1.25	BC 0.52	Vert(CT)	-0.22 16-17	>999 180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.47	Horz(CT)	0.02 11	n/a n/a
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS			
			PLATES		GRIP	
			MT20		244/190	
			Weight: 383 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-15: 2x4 SP No.2, 2-20,9-11: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-10-11 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-16, 5-15, 6-15, 7-14

REACTIONS.

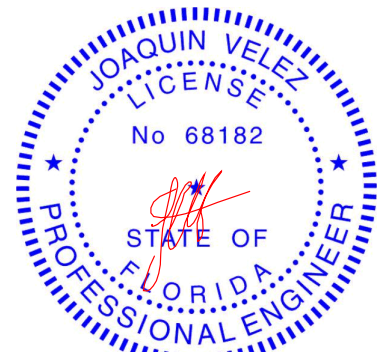
All bearings 5-3-0 except (jt=length) 20=6-3-0, 19=6-3-0, 18=0-3-8.
(lb) - Max Horz 20=472(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 11, 13, 18 except 20=-382(LC 12), 14=-453(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 12, 13, 19, 18 except 20=920(LC 19), 14=1221(LC 2), 14=1136(LC 1), 11=287(LC 24)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-969/434, 4-5=-720/460, 5-6=-508/414, 6-7=-556/413, 2-20=-894/495, 9-11=-272/122
BOT CHORD 19-20=-469/462, 18-19=-469/462, 17-18=-469/462, 16-17=-401/978, 15-16=-269/616
WEBS 4-16=-456/348, 5-16=-180/503, 5-15=-506/242, 7-15=-203/629, 7-14=-1009/570, 2-17=-120/648

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 13, 18 except (jt=lb) 20=382, 14=453.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219811
2569948	T16	Piggyback Base	3	1	Job Reference (optional)	

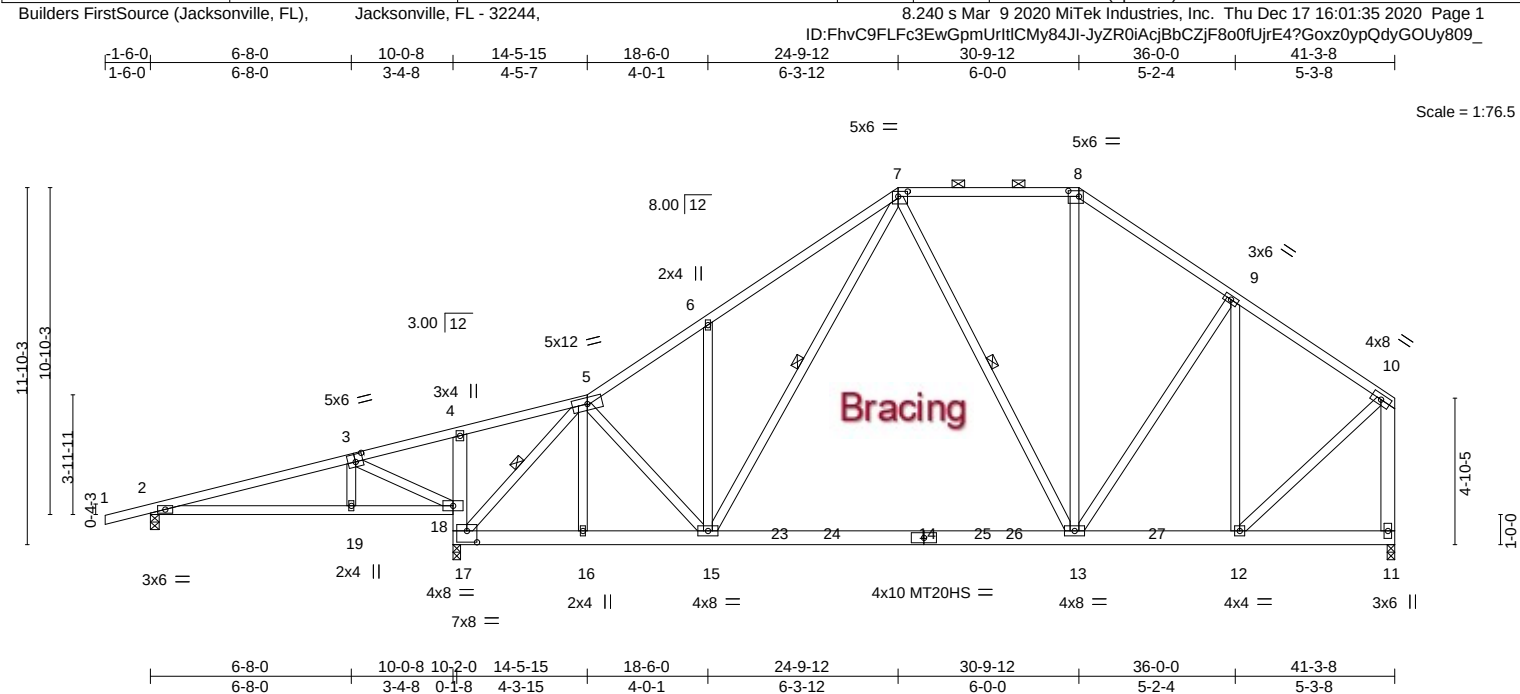


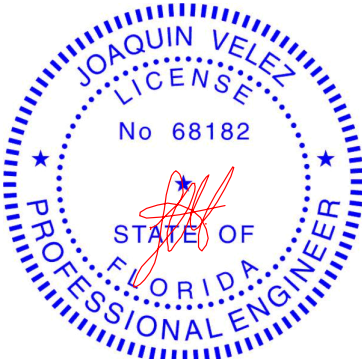
Plate Offsets (X,Y)--		[3:0-3-0,0-3-0], [7:0-3-12,0-2-0], [8:0-4-4,0-2-4], [17:0-4-0,0-4-8]										
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP			
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.22	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.49	13-15	>747	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	-0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 306 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-2 oc purlins, except end verticals, and 2-0-0 oc purlins (5-9-0 max.): 7-8.
BOT CHORD 2x6 SP No.2 *Except* 2-18: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 7-15,7-13: 2x4 SP No.2, 10-11: 2x6 SP No.2	WEBS 1 Row at midpt 5-17, 7-15, 7-13

REACTIONS.	(size) 2=0-3-8, 17=0-3-0, 11=0-3-0
	Max Horz 2=452(LC 11)
	Max Uplift 2=378(LC 8), 17=596(LC 12), 11=268(LC 13)
	Max Grav 2=357(LC 23), 17=1770(LC 1), 11=1219(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 2-3=-254/467, 3-4=-480/458, 4-5=-343/346, 5-6=-1361/364, 6-7=-1452/596, 7-8=-915/448, 8-9=-1071/462, 9-10=-875/386, 10-11=-1141/423	
BOT CHORD 2-19=-487/224, 18-19=-472/215, 17-18=-555/599, 16-17=-222/859, 15-16=-220/864, 13-15=-205/888, 12-13=-256/673	
WEBS 3-19=-260/241, 3-18=-708/856, 5-17=-1561/635, 5-15=-58/522, 6-15=-446/395, 7-15=-232/671, 8-13=-49/379, 9-13=-63/368, 9-12=-595/149, 10-12=-263/881	

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 200.0lb AC unit load placed on the bottom chord, 25-0-0 from left end, supported at two points, 5-0-0 apart.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=378, 17=596, 11=268.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

December 17,2020

Job 2569948	Truss T17	Truss Type Piggyback Base	Qty 3	Ply 1	IC CONST - CALVERLEY RES. T22219812
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:37 2020 Page 1

ID:FhvC9FLFc3EwGpmUrtICMy84JI-FLgBROCsEorwo0PXvRhyoGJNd4a6R?16txRNSMy808y

1-6-0	7-8-14	14-5-15	18-6-0	24-9-12	30-9-12	36-0-0	41-3-8	42-10-0
1-6-0	7-8-14	6-9-2	4-0-1	6-3-12	6-0-0	5-2-4	5-3-8	1-6-8

Scale = 1:75.5

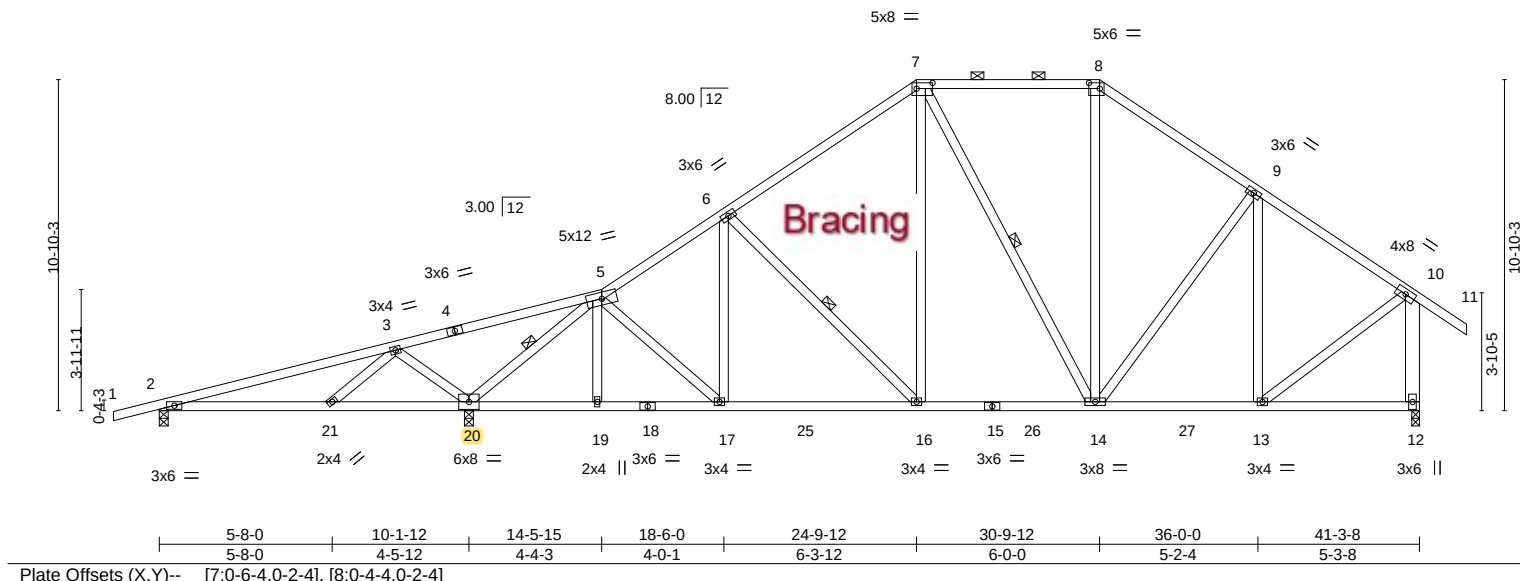


Plate Offsets (X,Y)-- [7:0-6-4,0-2-4], [8:0-4-4,0-2-4]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.69	Vert(LL)	0.08 21-24	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.42	Vert(CT)	-0.12 16-17	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.44	Horz(CT)	0.03 12	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 274 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
10-12: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-0-9 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-20, 6-16, 7-14

REACTIONS.

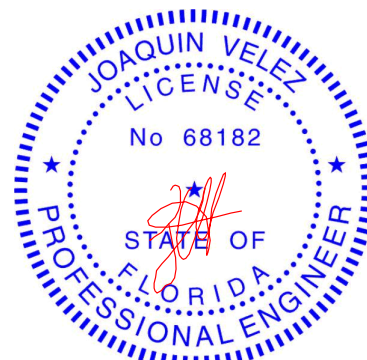
(size) 2=0-3-8, 20=0-3-8, 12=0-3-0
Max Horz 2=433(LC 11)
Max Uplift 2=-355(LC 8), 20=-720(LC 12), 12=-421(LC 13)
Max Grav 2=306(LC 23), 20=1728(LC 1), 12=1188(LC 1)

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

TOP CHORD 2-3=-104/415, 3-5=-552/709, 5-6=-1181/563, 6-7=-1022/599, 7-8=-824/560, 8-9=-938/593, 9-10=-868/482, 10-12=-1142/604
BOT CHORD 2-21=-357/72, 20-21=-343/58, 19-20=-309/923, 17-19=-310/921, 16-17=-363/1102, 14-16=-262/855, 13-14=-260/678
WEBS 3-21=-400/340, 3-20=-663/719, 5-20=-1889/995, 6-16=-395/285, 7-16=-161/468, 7-14=-255/144, 8-14=-123/307, 9-13=-364/202, 10-13=-283/814

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=355, 20=720, 12=421.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

December 17,2020

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

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219813
2569948	T17G	GABLE	1	1		

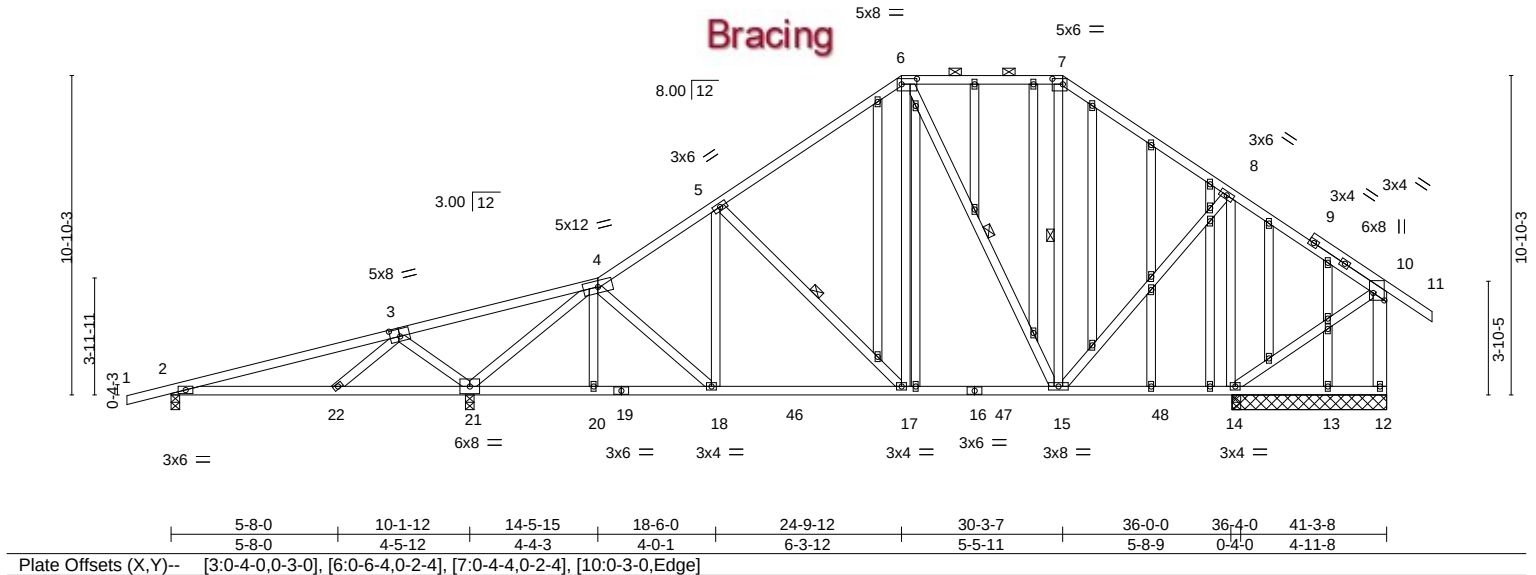
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:39 2020 Page 1

ID:FhvC9FLFc3EwGpmUrtlICMy84Jl-Cjoys4D7mQ5e1KZw1rkQuhPjUtGhvnHPLFWTWfY808w

1-6-0	7-8-14	14-5-15	18-6-0	24-9-12	30-3-7	36-0-0	41-3-8	42-10-0
1-6-0	7-8-14	6-9-2	4-0-1	6-3-12	5-5-11	5-8-9	5-3-8	1-6-8

Scale = 1:78.3



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 0.67	Vert(LL)	0.08 22-45	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.42	Vert(CT)	-0.11 17-18	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.92	Horz(CT)	0.02 12	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 373 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except*
 10-12: 2x6 SP No.2
 OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-10-1 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 5-17, 6-15, 7-15

REACTIONS.

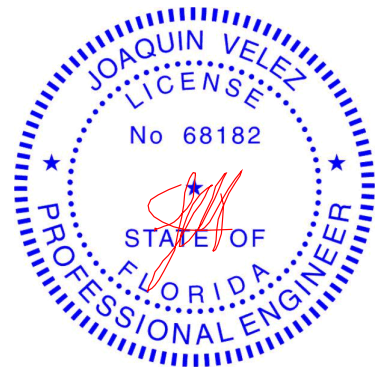
All bearings 5-3-0 except (jt=length) 2=0-3-8, 21=0-3-8.
 (lb) - Max Horz 2=428(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 12 except 2=357(LC 8), 21=643(LC 12), 14=460(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 12, 13 except 2=324(LC 23), 21=1497(LC 1), 14=1241(LC 2), 14=1216(LC 1)

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

TOP CHORD 2-3=-176/423, 3-4=-508/620, 4-5=-888/423, 5-6=-693/442, 6-7=-486/385, 7-8=-529/378
 BOT CHORD 2-22=-400/136, 21-22=-288/31, 20-21=-249/748, 18-20=-250/746, 17-18=-282/874, 15-17=-225/597
 WEBS 3-22=-401/340, 3-21=-661/718, 4-21=-1536/816, 5-17=-434/298, 6-17=-173/482, 6-15=-453/209, 8-15=-195/646, 8-14=-1053/559

NOTES-

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 2=357, 21=643, 14=460.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

December 17,2020

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6904 Parke East Blvd.
 Tampa, FL 33610

Job 2569948	Truss T18	Truss Type Piggyback Base	Qty 3	Ply 1	IC CONST - CALVERLEY RES. T22219814
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,					

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:40 2020 Page 1
ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-gwMK3QEIXjDVfU86bZFfQvxusHcoeMUyavf13hy808v

1-6-0 1-6-0	7-8-14 7-8-14	14-5-15 6-9-2	18-6-0 4-0-1	24-9-12 6-3-12	30-9-12 6-0-0	36-0-0 5-2-4	41-3-8 5-3-8
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Scale = 1:75.8

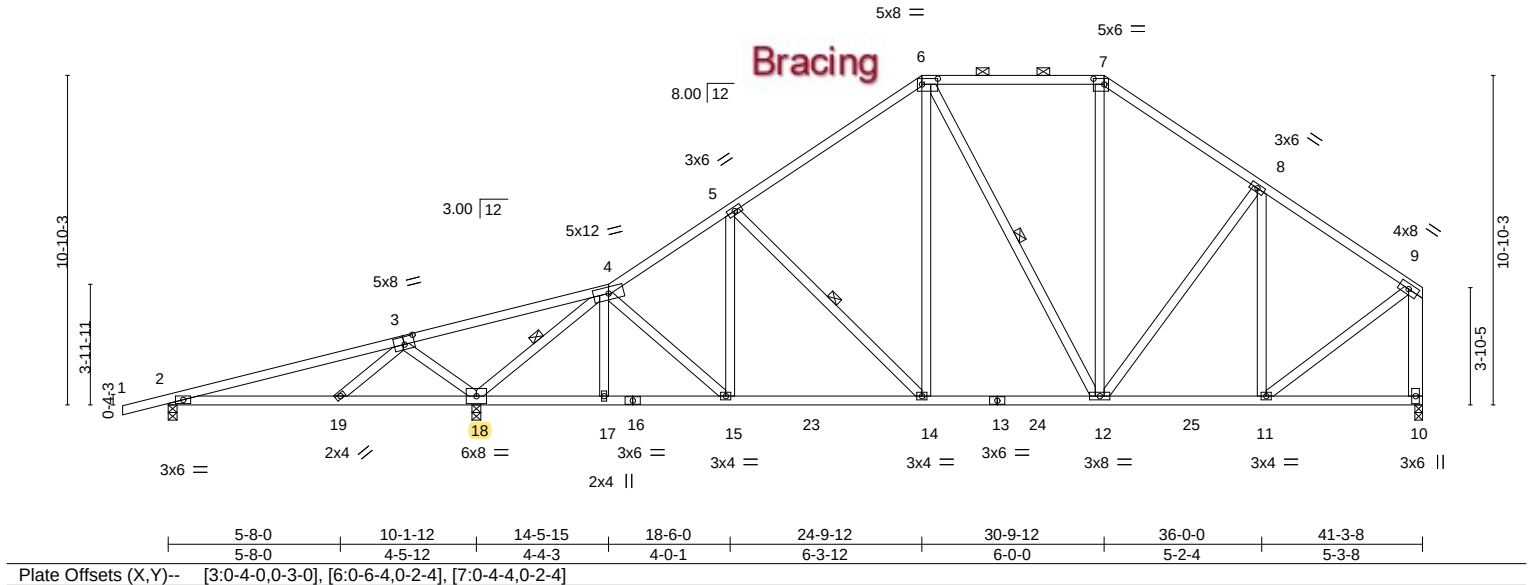


Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [6:0-6-4,0-2-4], [7:0-4-4,0-2-4]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.69	Vert(LL)	0.08 19-22	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.42	Vert(CT)	-0.12 14-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.44	Horz(CT)	0.03 10	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 271 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
9-10: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-0-9 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-18, 5-14, 6-12

REACTIONS.

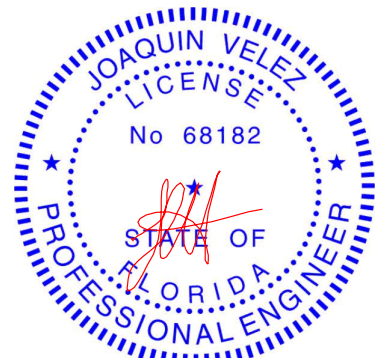
(size) 2=0-3-8, 18=0-3-8, 10=0-3-0
Max Horz 2=420(LC 11)
Max Uplift 2=-352(LC 8), 18=-723(LC 12), 10=-361(LC 13)
Max Grav 2=306(LC 23), 18=1731(LC 1), 10=1090(LC 1)

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

TOP CHORD 2-3=-110/402, 3-4=-596/710, 4-5=-1185/550, 5-6=-1026/590, 6-7=-819/551,
7-8=-934/585, 8-9=-875/461, 9-10=-1043/492
BOT CHORD 2-19=-400/66, 18-19=-338/33, 17-18=-324/914, 15-17=-325/911, 14-15=-428/1090,
12-14=-293/842, 11-12=-325/680
WEBS 3-19=-401/341, 3-18=-662/719, 4-18=-1894/1009, 5-14=-390/282, 6-14=-159/469,
6-12=-253/145, 7-12=-122/308, 8-11=-367/235, 9-11=-336/818

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=352, 18=723, 10=361.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

December 17,2020

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219815
2569948	T19	Piggyback Base	4	1		

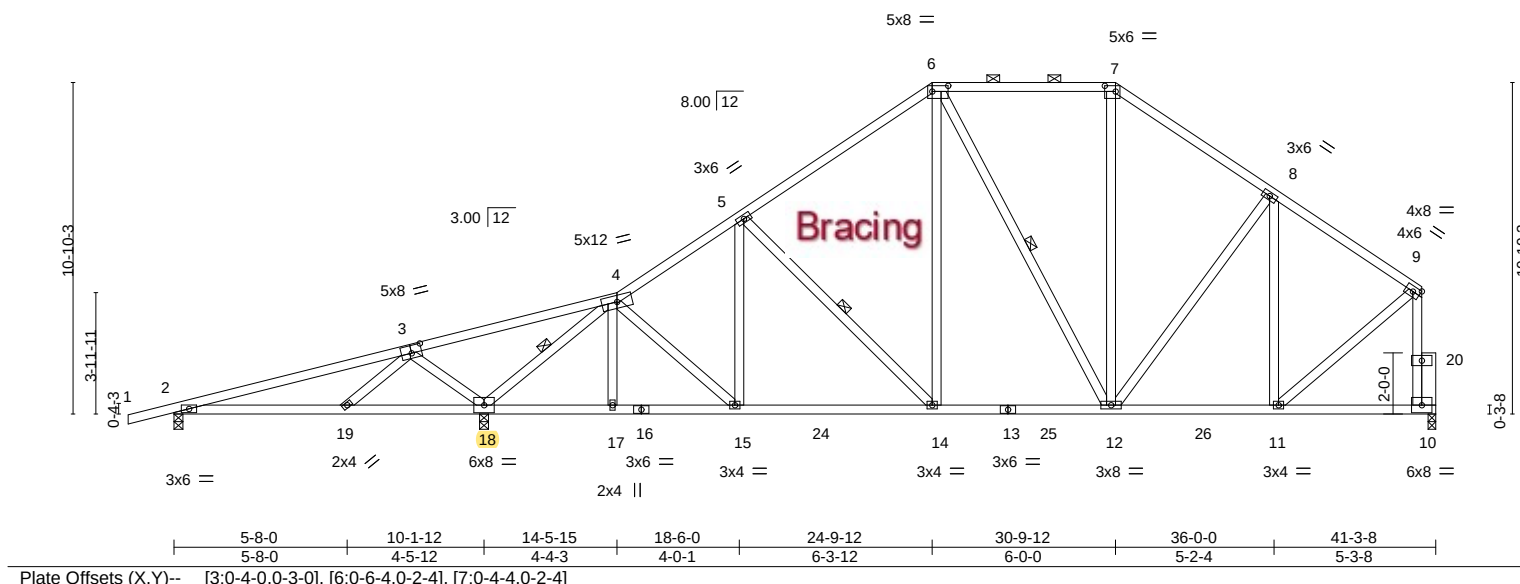
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:41 2020 Page 1

ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-86wiHmFNl1LMHej8Gmuz6U3dhy3NpmioZPab7y808u

1-6-0	7-8-14	14-5-15	18-6-0	24-9-12	30-9-12	36-0-0	40-10-0	41-3-8
1-6-0	7-8-14	6-9-2	4-0-1	6-3-12	6-0-0	5-2-4	4-10-0	0-5-8

Scale = 1:75.4



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 0.69	Vert(LL)	0.08 19-23	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.42	Vert(CT)	-0.12 14-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.44	Horz(CT)	0.03 10	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 271 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except*
 9-10: 2x4 SP No.2
 OTHERS 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-0-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 4-18, 5-14, 6-12

REACTIONS.

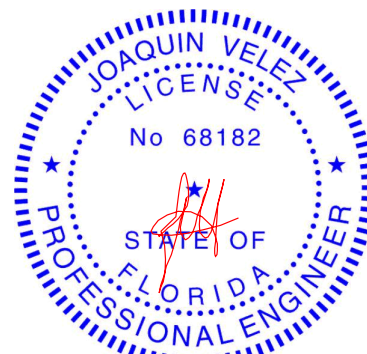
(size) 2=0-3-8, 18=0-3-8, 10=0-3-0
 Max Horz 2=352(LC 12)
 Max Uplift 2=339(LC 8), 18=731(LC 12), 10=348(LC 13)
 Max Grav 2=306(LC 23), 18=1726(LC 1), 10=1072(LC 1)

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

TOP CHORD 2-3=-136/372, 3-4=-561/708, 4-5=-1177/502, 5-6=-1018/557, 6-7=-788/521,
 7-8=-917/548, 8-9=-845/403, 9-10=-1031/484
 BOT CHORD 2-19=-369/100, 18-19=-288/57, 17-18=-383/887, 15-17=-384/885, 14-15=-423/1057,
 12-14=-235/805, 11-12=-264/660
 WEBS 3-19=-401/341, 3-18=-662/719, 4-18=-1885/992, 5-14=-375/271, 6-14=-151/473,
 6-12=-257/143, 7-12=-108/298, 8-11=-376/225, 9-11=-298/768

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=339, 18=731, 10=348.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Joaquin Velez PE No.68182
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December 17,2020

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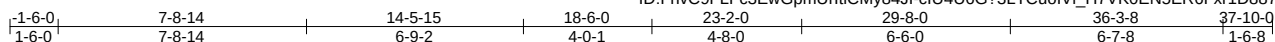
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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

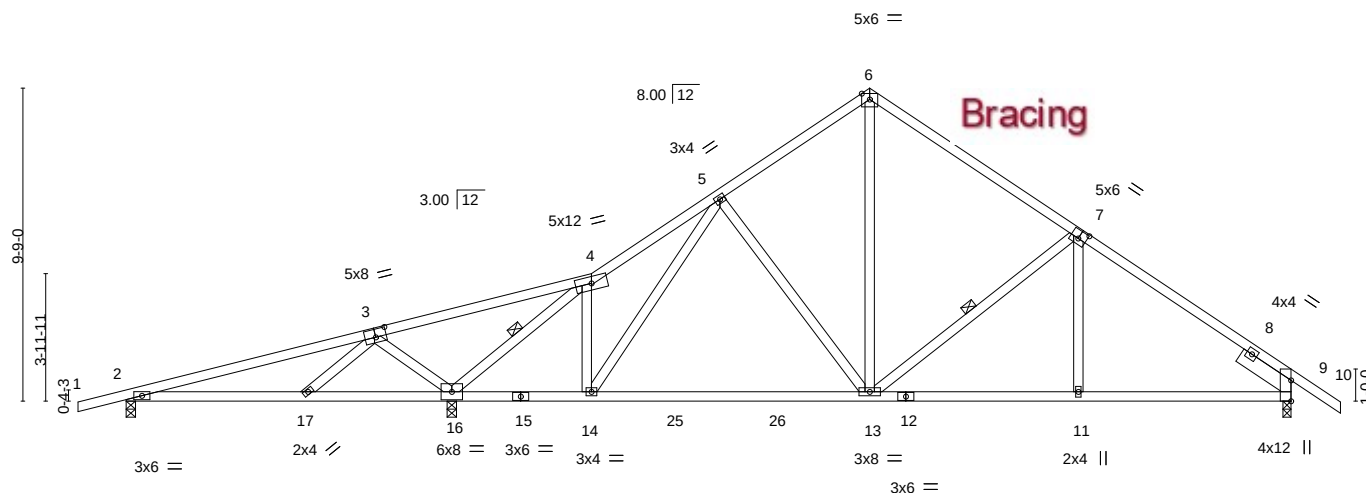


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Scale = 1:71.8



A horizontal timeline with a central line and vertical tick marks. The years are listed in two rows above the line. The top row contains 5-8-0, 10-1-12, 14-5-15, 23-2-0, 29-8-0, and 36-3-8. The bottom row contains 5-8-0, 4-5-12, 4-4-3, 8-8-0, 6-6-0, and 6-7-8.

Year	Year	Year	Year	Year	Year
5-8-0	10-1-12	14-5-15	23-2-0	29-8-0	36-3-8
5-8-0	4-5-12	4-4-3	8-8-0	6-6-0	6-7-8

Plate Offsets (X,Y)-- [3:0-4:0,0-3:0], [7:0-3:0,0-3:0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.18 13-14 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.33 13-14 >943 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.06 9 n/a n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS				Weight: 201 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-2-6 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 4-16, 7-13

REACTIONS.

(size) 2=0-3-8, 16=0-3-8, 9=0-3-0
 Max Horz 2=322(LC 11)
 Max Uplift 2=-353(LC 8), 16=-660(LC 12), 9=-404(LC 13)
 Max Grav 2=316(LC 23), 16=1569(LC 1), 9=988(LC 1)

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

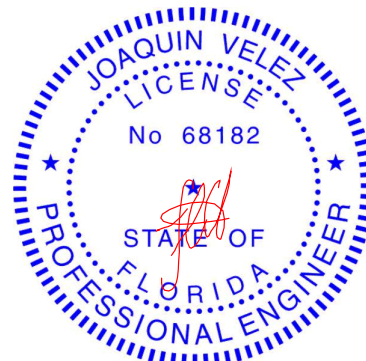
TOP CHORD 2-3=-147/403, 3-4=-445/737, 4-5=-887/433, 5-6=-883/474, 6-7=-872/454,
7-9=-1137/508

BOT CHORD 2-17=-361/204, 16-17=-350/179, 14-16=-227/769, 13-14=-235/808, 11-13=-263/878,
9-11=-264/877

WEBS 3-17=-411/362, 3-16=-666/722, 4-16=-1687/823, 4-14=-25/328, 6-13=-297/664,
7-13=-490/362

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCFL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=353, 16=660, 9=404.



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

December 17, 2020



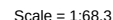
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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



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U.S.240 Simlar © 2020 MPF&K Industries, Inc. Thu Dec 17 10:01:40 2020 Page 1
ID:EhVc9ELFc3EwGpmUrtIjCMv84Jl-4V1SiBhdqeb3WxthGhoM2XZPBVZXrh2?Gtuhf0v808s



TOP CHORD	Structural wood sheathing directly applied or 4-9-6 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-16, 8-12

(size) 10=0-3-0, 2=0-3-8, 16=0-3-8
 Max Horz 2=320(LC 9)
 Max Uplift 10=-349(LC 13), 2=-351(LC 8), 16=-662(LC 12)
 Max Grav 10=903(LC 1), 2=317(LC 23), 16=1566(LC 1)

TOP CHORD 2-3=-150/398, 3-5=-459/723, 5-6=-900/429, 6-7=-885/475, 7-8=-874/456,
8-10=-1150/511

BOT CHORD 2-17=-364/172, 16-17=-332/144, 15-16=-246/765, 12-15=-256/799, 11-12=-307/889,
10-11=-307/889

WEBS 3-17=-411/361, 3-16=-666/722, 5-16=-1684/832, 5-15=-33/326, 7-12=-301/668,
8-17=-486/368

- 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=20ft; Cat. II; Exp C; Encl., GCp=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=349, 2=351, 16=662.



December 17, 2020



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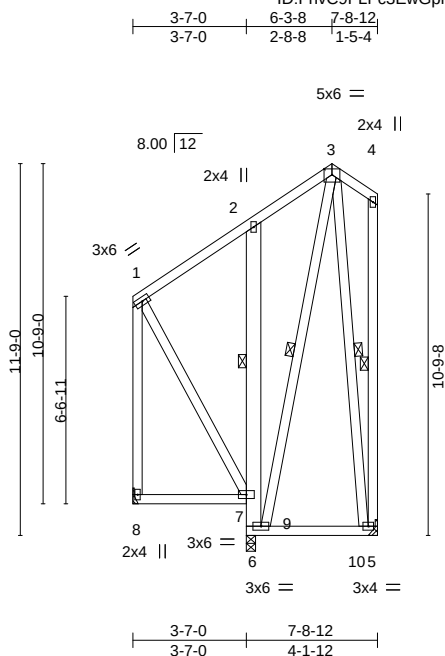
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	T22	Roof Special	2	1	T22219818
Job Reference (optional)					

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

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ID:FhvC9FLFc3EwGpmUrttCMY84JI-YhbrvnHFbykw85RtqPJbbli6iDu2TaD18UWdECSy808r



Scale = 1:72.8

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.15	Vert(LL)	-0.01	5-6	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.12	Vert(CT)	-0.02	5-6	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.21	Horz(CT)	-0.00	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 116 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 2-6: 2x6 SP No.2
 WEBS 2x4 SP No.3

REACTIONS. (size) 8=Mechanical, 5=Mechanical, 6=0-3-8
 Max Horz 8=179(LC 12)
 Max Uplift 8=62(LC 10), 5=-131(LC 12), 6=-350(LC 12)
 Max Grav 8=245(LC 12), 5=138(LC 19), 6=398(LC 19)

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

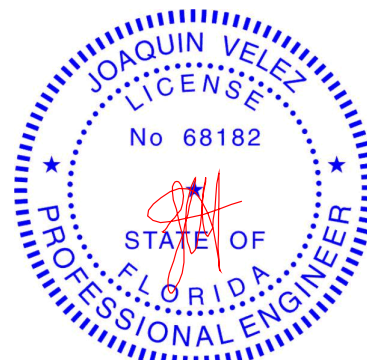
BOT CHORD 6-7=-488/456, 2-7=-267/241
 WEBS 1-7=-211/277

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 5=131, 6=350.

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
 1 Row at midpt 2-7
 WEBS 1 Row at midpt 3-6, 4-5, 3-5



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

December 17,2020

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



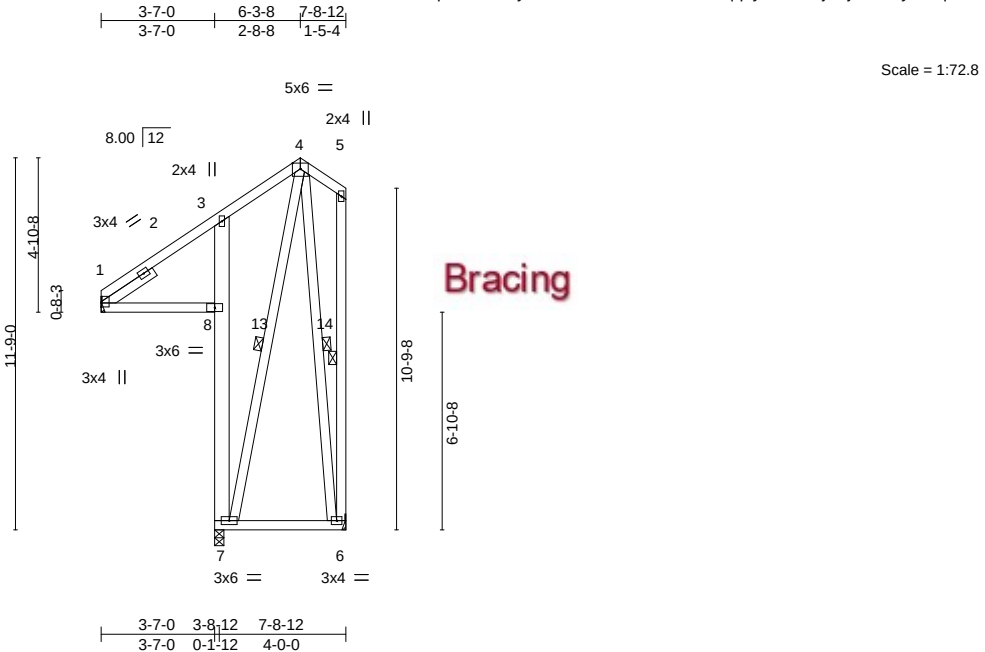
6904 Parke East Blvd.
 Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	T23	Roof Special	2	1	T22219819
Job Reference (optional)					

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

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MiTek Industries, Inc.
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ID:FhvC9FLFc3EwGpmUrttCMY84JI-0t9D77ItMGsnlF03N6qq7yesalNaJjoHjANokuy808q



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.18	Vert(LL)	-0.01 6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.13	Vert(CT)	-0.02 6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	-0.00 1	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 100 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-7: 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-11-8

BRACING-

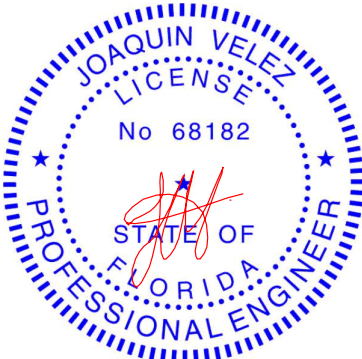
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-7, 5-6, 4-6

REACTIONS. (size) 1=Mechanical, 7=0-3-8, 6=Mechanical
Max Horz 1=184(LC 12)
Max Uplift 7=-229(LC 12), 6=-48(LC 12)
Max Grav 1=138(LC 23), 7=327(LC 19), 6=136(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 7-8=-305/236

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 7=229.



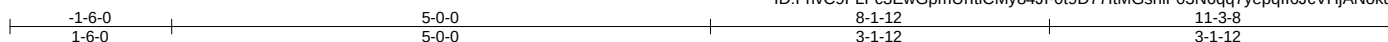
Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 17,2020

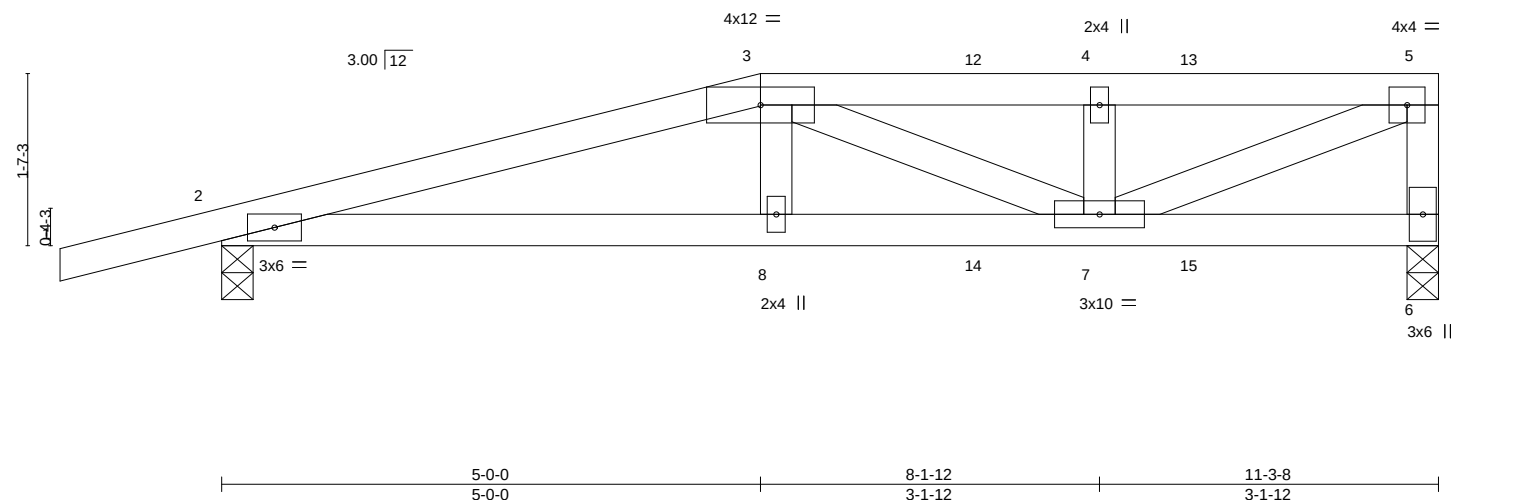
Job 2569948	Truss T24	Truss Type Half Hip Girder	Qty 1	Ply 1	IC CONST - CALVERLEY RES. T22219820
Job Reference (optional)					

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

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:45 2020 Page 1
ID:FhvC9FLFc3EwGpmUrtlCMY84JI-0t9D77ItMGsnlF03N6qq7yepqll6JcVHjANokuy808q



Scale = 1:21.4



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	in (loc)	L/defl	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(LL)	>999				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.45	Vert(CT)	>999				
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Horz(CT)	n/a				
										Weight: 49 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-6-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-2 oc bracing.

REACTIONS.

(size) 6=0-3-8, 2=0-3-8
Max Horz 2=87(LC 23)
Max Uplift 6=516(LC 4), 2=542(LC 4)
Max Grav 6=619(LC 1), 2=638(LC 1)

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

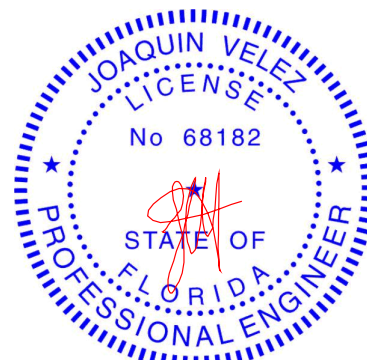
TOP CHORD 2-3=-1480/1200, 3-4=-1141/956, 4-5=-1141/956, 5-6=-569/473
BOT CHORD 2-8=-1186/1416, 7-8=-1206/1439
WEBS 3-8=-181/288, 3-7=-323/271, 4-7=-265/210, 5-7=-999/1192

NOTES-

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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) 6=516, 2=542.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 75 lb down and 93 lb up at 5-0-0, and 56 lb down and 93 lb up at 7-0-12, and 56 lb down and 93 lb up at 9-0-12 on top chord, and 110 lb down and 167 lb up at 5-0-0, and 45 lb down and 68 lb up at 7-0-12, and 45 lb down and 68 lb up at 9-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 6-9=-20
Concentrated Loads (lb)
Vert: 3=-56(F) 8=-102(F) 12=-56(F) 13=-56(F) 14=-40(F) 15=-40(F)



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

December 17,2020

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

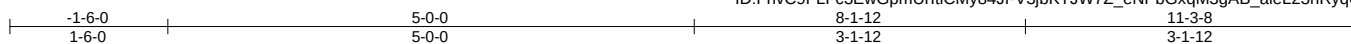


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Tampa, FL 36610

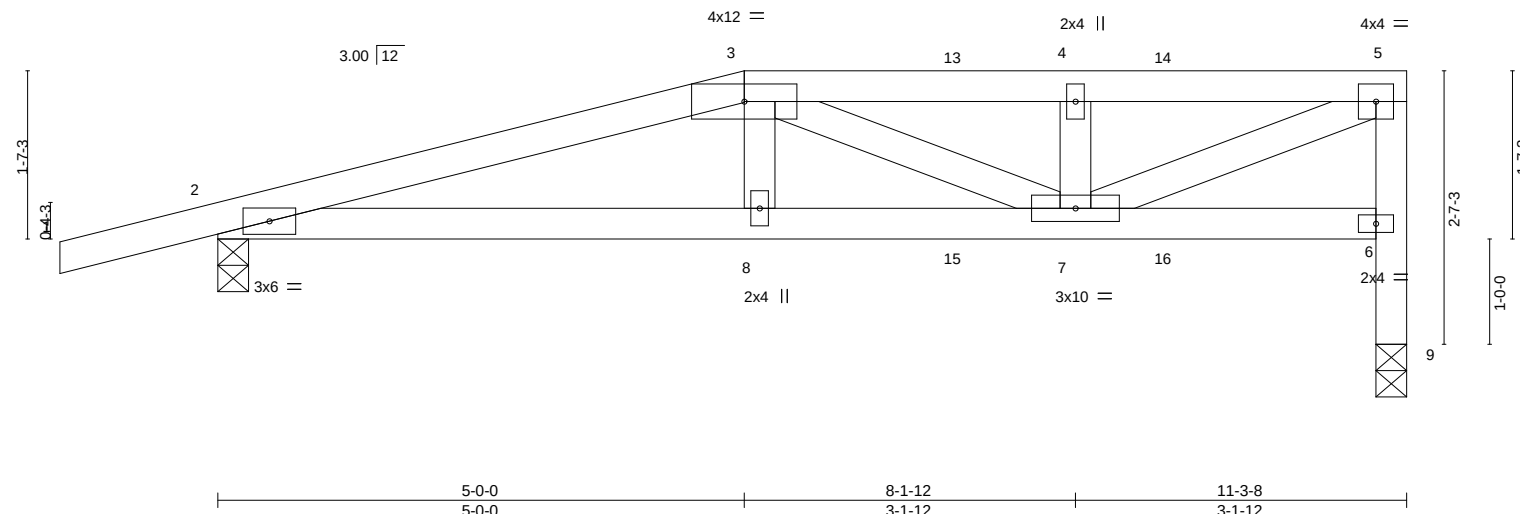
Job 2569948	Truss T25	Truss Type Half Hip Girder	Qty 1	Ply 1	IC CONST - CALVERLEY RES. T22219821
Job Reference (optional)					

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

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:46 2020 Page 1
ID:FhvC9FLFc3EwGpmUrtlCMY84JI-V3jbKTJW7Z_eNPbGxqM3gAB_aieL23nRyq6LGLy808p



Scale = 1:21.9



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	in (loc)	L/defl	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(LL)	>999				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.45	Vert(CT)	>999				
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Horz(CT)	n/a				
										Weight: 51 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-6-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-2 oc bracing.

REACTIONS.

(size) 2=0-3-8, 9=0-3-8
Max Horz 2=87(LC 23)
Max Uplift 2=542(LC 4), 9=516(LC 4)
Max Grav 2=638(LC 1), 9=619(LC 1)

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

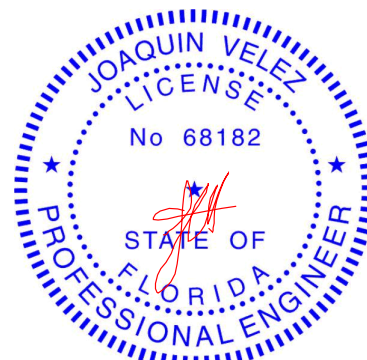
TOP CHORD 2-3=-1480/1200, 3-4=-1140/955, 4-5=-1140/955, 6-9=-619/516, 5-6=-567/471
BOT CHORD 2-8=-1186/1416, 7-8=-1206/1439
WEBS 3-8=-181/289, 3-7=-324/272, 4-7=-265/210, 5-7=-995/1186

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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) 9 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=542, 9=516.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 75 lb down and 93 lb up at 5-0-0, and 56 lb down and 93 lb up at 7-0-12, and 56 lb down and 93 lb up at 9-0-12 on top chord, and 110 lb down and 167 lb up at 5-0-0, and 45 lb down and 68 lb up at 7-0-12, and 45 lb down and 68 lb up at 9-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 6-10=-20
Concentrated Loads (lb)
Vert: 3=-56(B) 8=-102(B) 13=-56(B) 14=-56(B) 15=-40(B) 16=-40(B)



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

December 17, 2020

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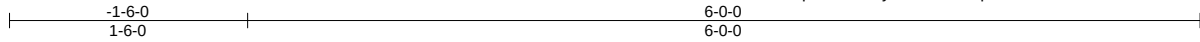
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job 2569948	Truss T26	Truss Type MONO TRUSS	Qty 17	Ply 1	IC CONST - CALVERLEY RES. T22219822
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,					

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:47 2020 Page 1
ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-zGHZxpK8ut6V?ZASVxtlCNk7?61PnYjaBUSvony8080



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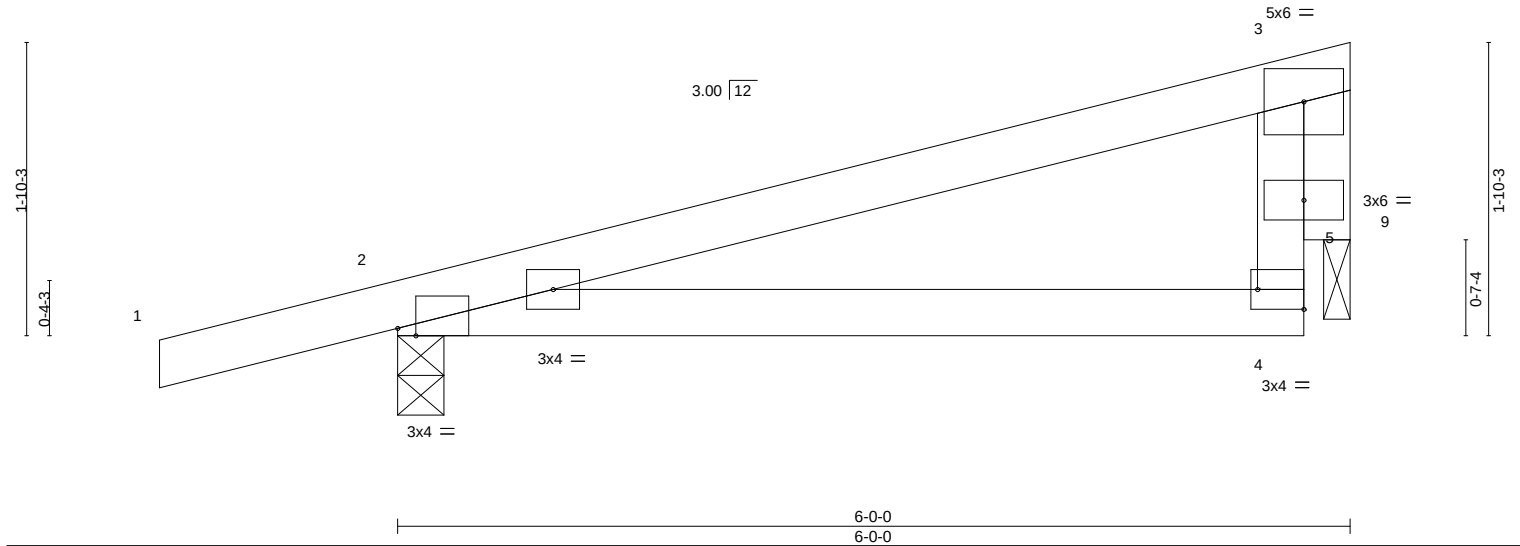


Plate Offsets (X,Y)--		[2:0-1-6,Edge], [4:Edge,0-1-8]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.50		Vert(LL)	0.06 4-8	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.30		Vert(CT)	0.05 4-8	>999	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.34		Horz(CT)	-0.00 2	n/a	n/a		
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MR						Weight: 23 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-15 oc bracing.

REACTIONS.

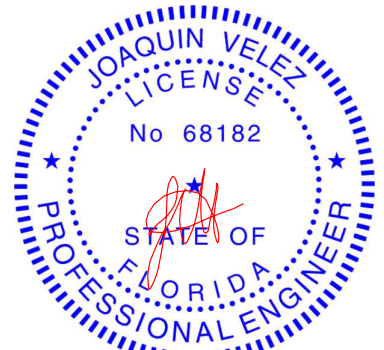
(size) 2=0-3-8, 9=0-2-0
Max Horz 2=94(LC 8)
Max Uplift 2=-264(LC 8), 9=-152(LC 8)
Max Grav 2=309(LC 1), 9=183(LC 1)

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

TOP CHORD 2-3=-223/325
BOT CHORD 2-4=-368/201

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 9 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 at joint(s) 9.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=264, 9=152.



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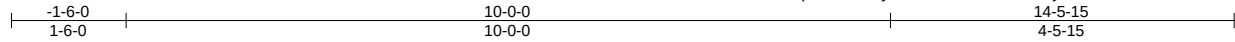
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job 2569948	Truss T27G	Truss Type Monopitch Supported Gable	Qty 1	Ply 1	IC CONST - CALVERLEY RES. T22219823
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,					

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ID:FhVC9FLFc3EwGpmUrttCMY84Jl-RSrLI9KmfBEMdjle3EOXlbGNNWPeW2FkP8bSLDy808n



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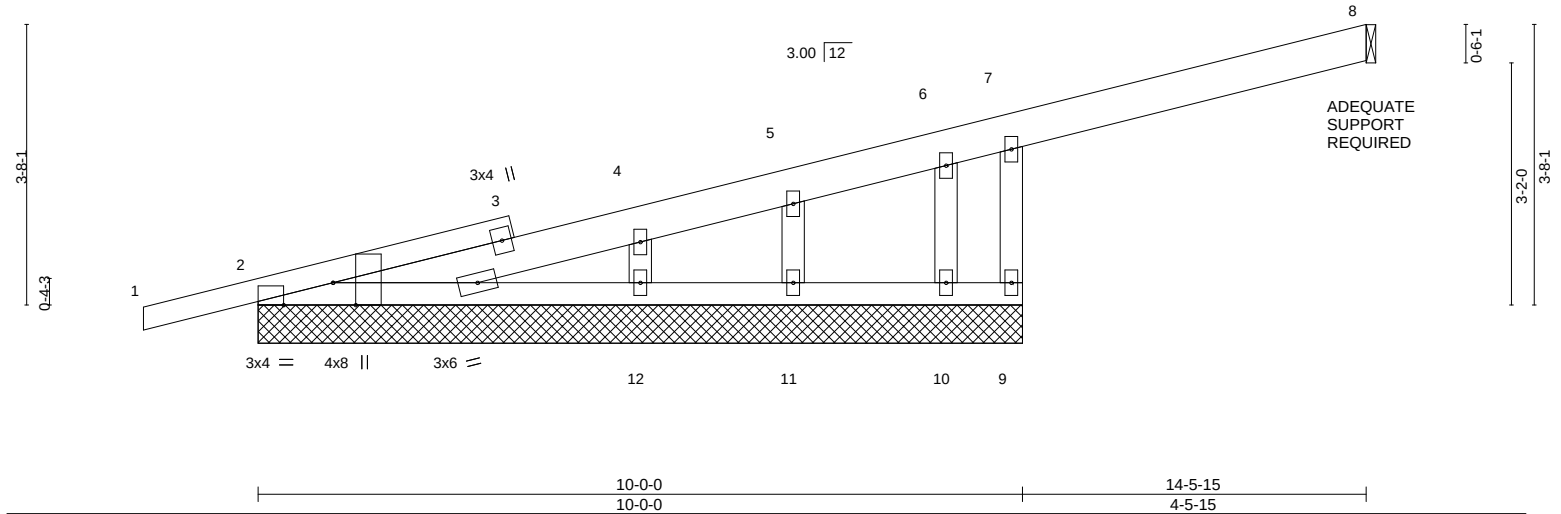


Plate Offsets (X,Y)--		[2:0-3-8,Edge], [2:0-7-12,Edge]									
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01 2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.03 2-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00 8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 62 lb	FT = 20%

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

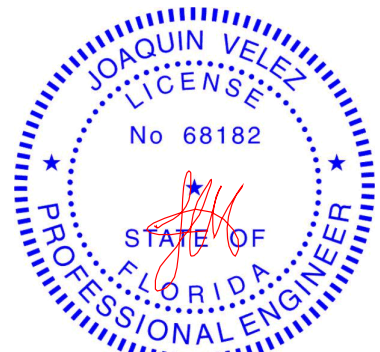
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 10-0-0 except (jt=length) 8=Mechanical.
(lb) - Max Horz 2=184(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 8, 11 except 2=-155(LC 8), 9=-213(LC 8), 12=-145(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 8, 11, 10 except 2=252(LC 1), 9=251(LC 1), 12=335(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 7-9=-256/287

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 11 except (jt=lb) 2=155, 9=213, 12=145.



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6904 Parke East Blvd. Tampa FL 33610
Date:

December 17,2020

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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



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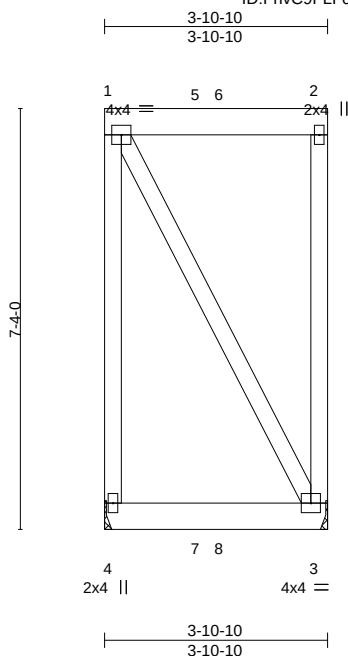
Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.	T22219824
2569948	TG01	Flat Girder	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

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ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-vePkyVLOQMDEsKrcymlopY5vieFWZteol?tyg808m



Scale = 1:40.1

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.15	Vert(LL)	0.03	3-4	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.31	Vert(CT)	-0.02	3-4	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						
								Weight: 48 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-10-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 4=Mechanical, 3=Mechanical
Max Uplift 4=-316(LC 4), 3=-298(LC 4)
Max Grav 4=343(LC 29), 3=323(LC 29)

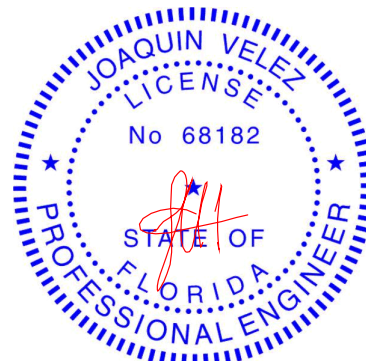
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=316, 3=298.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 104 lb down and 73 lb up at 1-8-0, and 104 lb down and 73 lb up at 2-1-0 on top chord, and 196 lb down and 204 lb up at 1-8-0, and 196 lb down and 204 lb up at 2-1-0 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).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-2=-54, 3-4=-20
- Concentrated Loads (lb)
Vert: 5=-30(F) 6=-30(F) 7=-163(F) 8=-163(F)



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Date:

December 17,2020

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

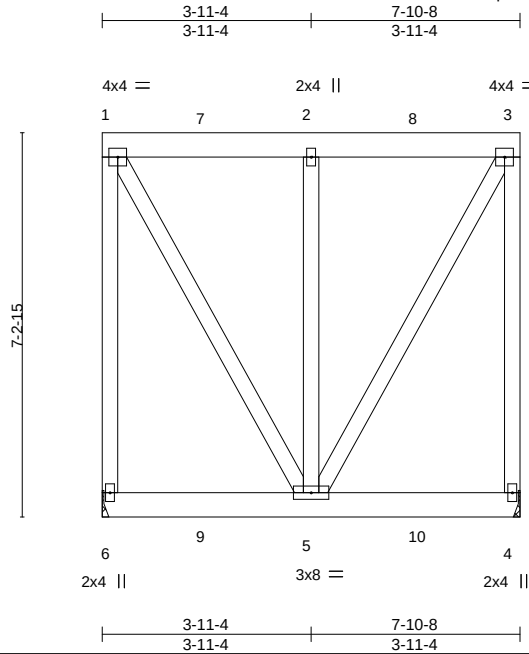


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	TG02	Flat Girder	1	2	T22219825

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

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Scale = 1:43.4

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.11	Vert(LL)	-0.01	5	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	-0.01	5	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.15	Horz(CT)	0.00	4	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 173 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 6=Mechanical, 4=Mechanical
Max Uplift 6=-657(LC 4), 4=-657(LC 4)
Max Grav 6=1057(LC 29), 4=1057(LC 29)

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

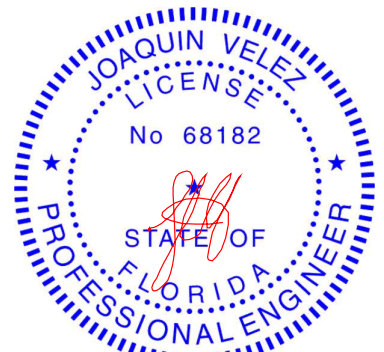
TOP CHORD 1-6=-929/581, 1-2=-374/241, 2-3=-374/241, 3-4=-929/581
WEBS 1-5=-486/754, 2-5=-817/482, 3-5=-486/754

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=657, 4=657.
- Girder carries tie-in span(s): 8-0-0 from 0-0-0 to 7-10-8
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 101 lb down and 68 lb up at 1-11-4, and 101 lb down and 68 lb up at 3-11-4, and 101 lb down and 68 lb up at 5-11-4 on top chord, and 201 lb down and 202 lb up at 1-11-4, and 201 lb down and 202 lb up at 3-11-4, and 201 lb down and 202 lb up at 5-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-165(B=-111), 4-6=-20
Concentrated Loads (lb)
Vert: 5=-173(B) 2=-26(B) 7=-26(B) 8=-26(B) 9=-173(B) 10=-173(B)



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



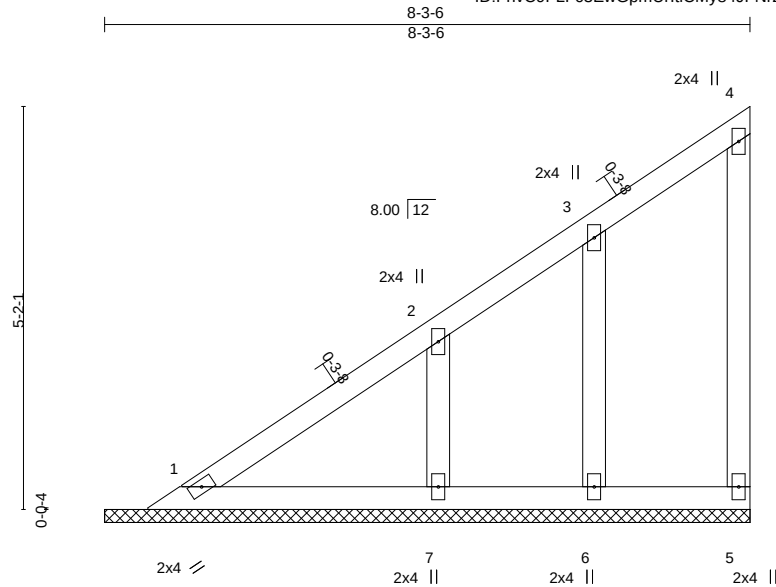
6904 Parke East Blvd.
Tampa, FL 36610

Job 2569948	Truss V01	Truss Type GABLE	Qty 2	Ply 1	IC CONST - CALVERLEY RES. T22219826
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:50 2020 Page 1
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Scale = 1:29.6

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 0.14	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.08	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	-0.00	5	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S					Weight: 39 lb	FT = 20%

LUMBER-

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

BRACING-

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

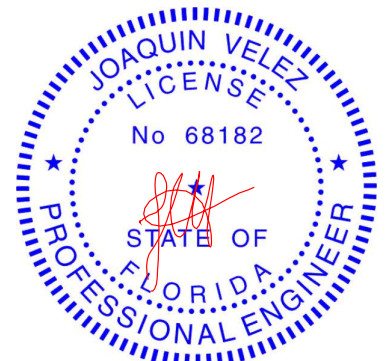
REACTIONS.

All bearings 8-3-6.
(lb) - Max Horz 1=236(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 5, 6 except 7=191(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 6 except 7=278(LC 19)

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

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6 except (jt=lb) 7=191.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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December 17,2020

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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

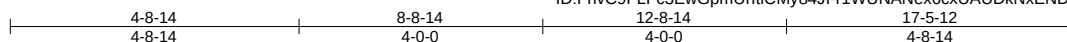
Job 2569948	Truss V02	Truss Type Valley	Qty 1	Ply 1	IC CONST - CALVERLEY RES. T22219827
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

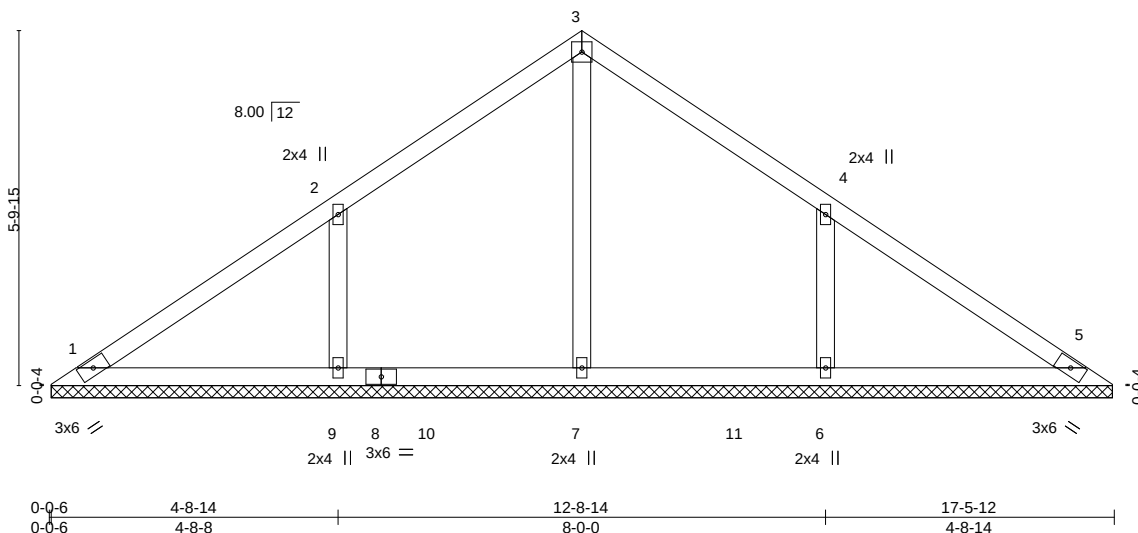
8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:51 2020 Page 1

ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-r1WUNANex6cxUAUDkNxENDuthjQejPfa56q6xYy808k



4x4 =

Scale = 1:37.8



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 0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.15	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 71 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 10-0-0 oc bracing.

REACTIONS.

All bearings 17-5-0.
(lb) - Max Horz 1=175(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=289(LC 12), 6=288(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=333(LC 19), 9=431(LC 19), 6=431(LC 20)

FORCES.

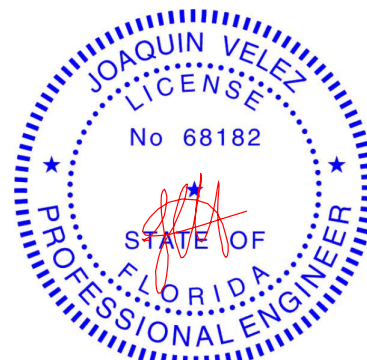
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

WEBS

2-9=-338/305, 4-6=-338/305

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 9=289, 6=288.



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

December 17,2020

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



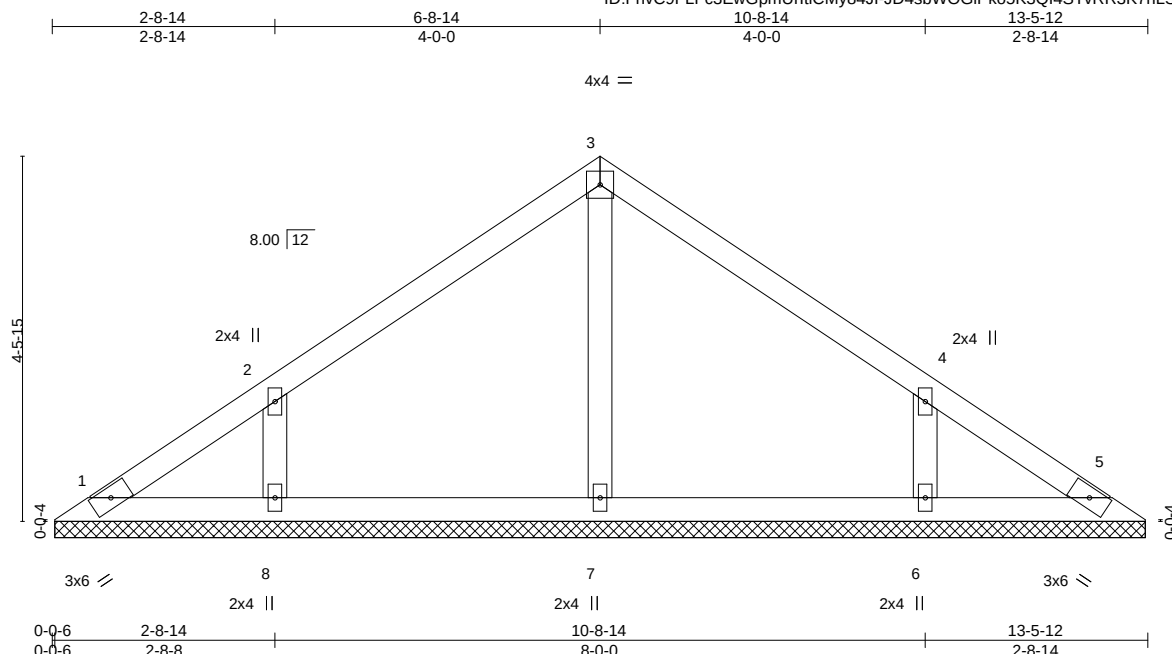
6904 Parke East Blvd.
Tampa, FL 36610

Job 2569948	Truss V03	Truss Type Valley	Qty 1	Ply 1	IC CONST - CALVERLEY RES. T22219828
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:52 2020 Page 1

ID:FhvC9FLFc3EwGpmUrttlCMY84Jl-JD4sbWOGiPko5K3Ql4STvRR3K7nLSsAJKmZfU?y808j



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.12	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 52 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 10-0-0 oc bracing.

REACTIONS.

All bearings 13-5-0.
(lb) - Max Horz 1=-133(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-226(LC 12), 6=-225(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=317(LC 19), 6=317(LC 20)

FORCES.

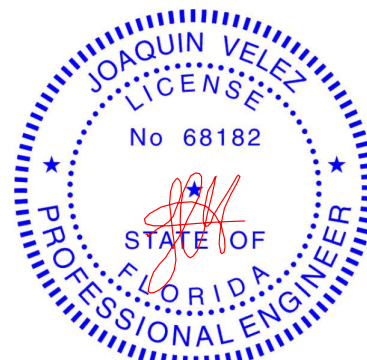
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

WEBS

2-8=-272/246, 4-6=-272/246

NOTES-

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 8=226, 6=225.



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

December 17,2020

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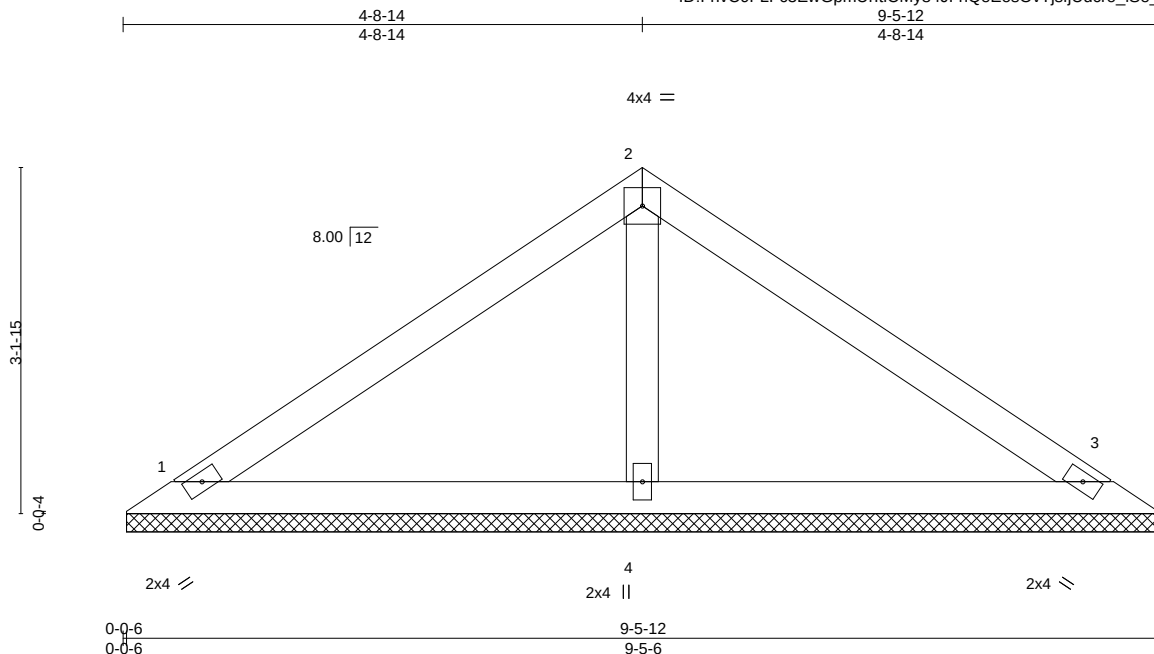
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job 2569948	Truss V04	Truss Type Valley	Qty 1	Ply 1	IC CONST - CALVERLEY RES. T22219829
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,					

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:53 2020 Page 1
ID:FhvC9FLFc3EwGpmUrtlCMY84Jl-nQeEosOvTjsfjUdcro_iSe_D1X6hBKtZQJD0Ry808i



Scale = 1:21.0

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.18	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 33 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 10-0-0 oc bracing.

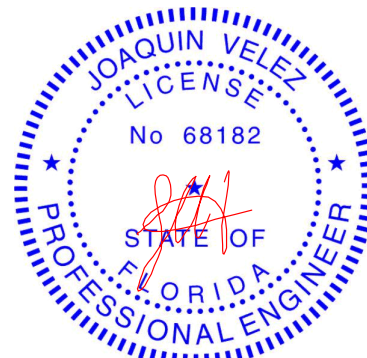
REACTIONS.

(size) 1=9-5-0, 3=9-5-0, 4=9-5-0
Max Horz 1=-90(LC 8)
Max Uplift 1=-71(LC 12), 3=-84(LC 13), 4=-92(LC 12)
Max Grav 1=154(LC 1), 3=156(LC 20), 4=322(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.



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

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



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Tampa, FL 36610

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:53 2020 Page 1
ID:FhvC9FLFc3EwGpmUrtlCMY84JI-nOeEosOvtjsfiUdcro iSe F4X8fBKFTZOJD0Rv808i

Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	V06	Valley	1	1	T22219831
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),
Jacksonville, FL - 32244,
8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:54 2020 Page 1

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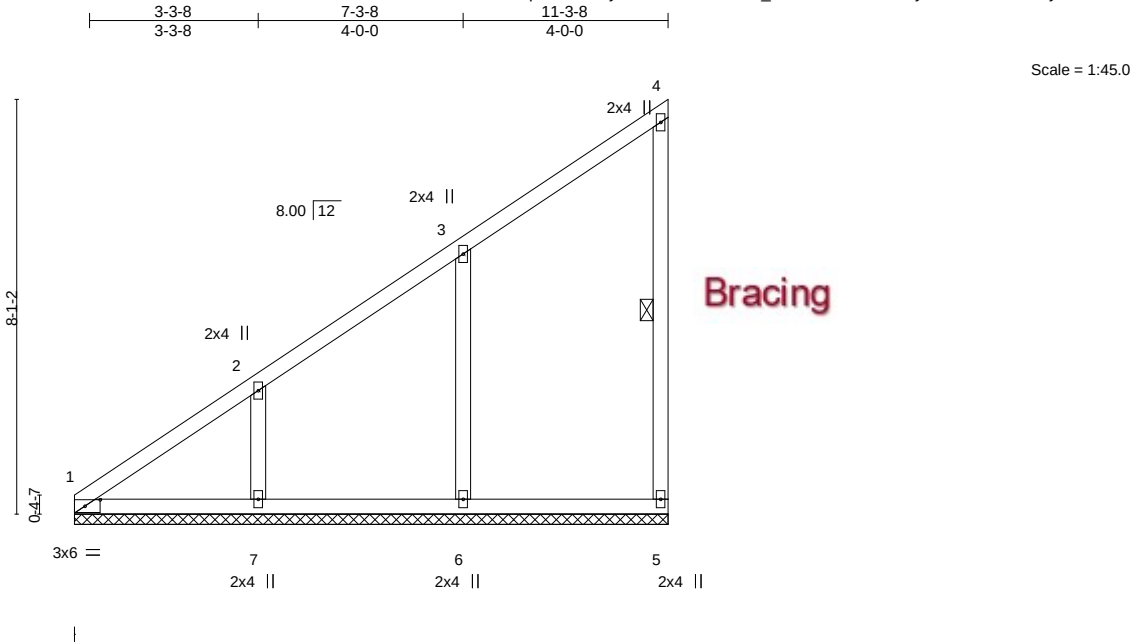


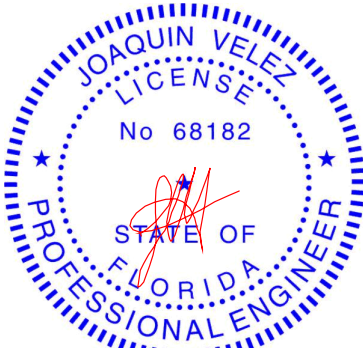
Plate Offsets (X,Y)--		[1:0-3-9,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.20	Vert(LL)	in (loc)	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	n/a -				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00 5				
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							
								Weight: 60 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 4-5
OTHERS	2x4 SP No.3		

REACTIONS. All bearings 11-7-1.
 (lb) - Max Horz 1=382(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 6=-243(LC 12), 7=-246(LC 12)
 Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=426(LC 19), 7=339(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-405/339
 WEBS 3-6=-311/274, 2-7=-299/262

- NOTES-**
 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 2) Gable requires continuous bottom chord bearing.
 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 6=243, 7=246.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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December 17,2020

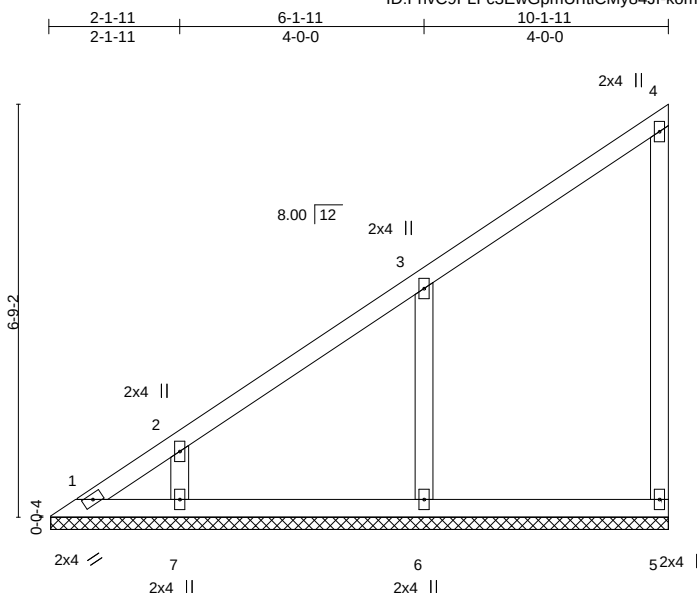
Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	V07	Valley	1	1	T22219832
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:55 2020 Page 1

ID:FhvC9FLFc3EwGpmUrtICMy84Jl-kom?DYQ9?K6Mynn_zD0AX33ZbKoJfDdm0koK4Jy808g



Scale = 1:37.7

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.21	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.17	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S					Weight: 48 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 10-1-5.

(lb) - Max Horz 1=316(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 6=254(LC 12), 7=186(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=441(LC 19), 7=255(LC 19)

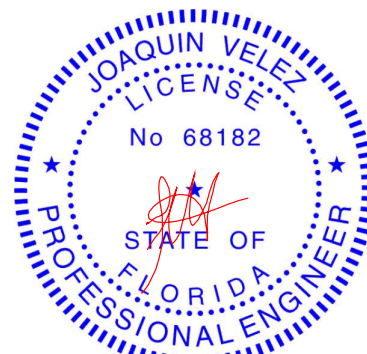
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-373/309

WEBS 3-6=-324/288

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6-0 tall by 2'-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 6=254, 7=186.



Joaquin Velez PE No.68182
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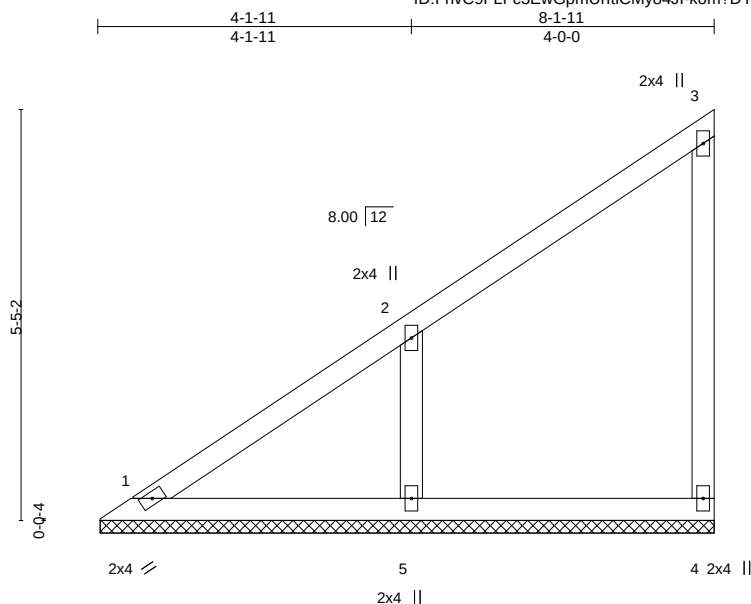
Job	Truss	Truss Type	Qty	Ply	IC CONST - CALVERLEY RES.
2569948	V08	Valley	1	1	T22219833
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:55 2020 Page 1

ID:FhvC9FLFc3EwGpmUrttCMY84JI-kom?DYQ9?K6Mynn_zD0AX33ZWKorfDhm0koK4Jy808g



Scale = 1:30.4

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.21	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.13	Vert(CT)	n/a	-	n/a	999	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.00	4	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						
									Weight: 36 lb FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

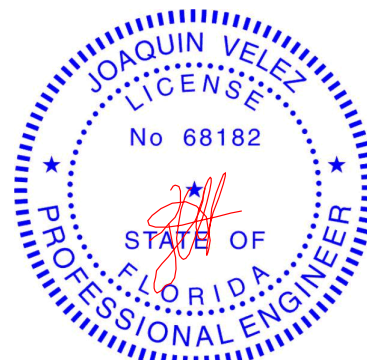
(size) 1=8-1-5, 4=8-1-5, 5=8-1-5
Max Horz 1=249(LC 12)
Max Uplift 4=-88(LC 12), 5=-262(LC 12)
Max Grav 1=125(LC 21), 4=128(LC 19), 5=381(LC 19)

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

TOP CHORD 1-2=-254/212
WEBS 2-5=-332/298

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 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) 4 except (jt=lb) 5=262.



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December 17,2020

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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

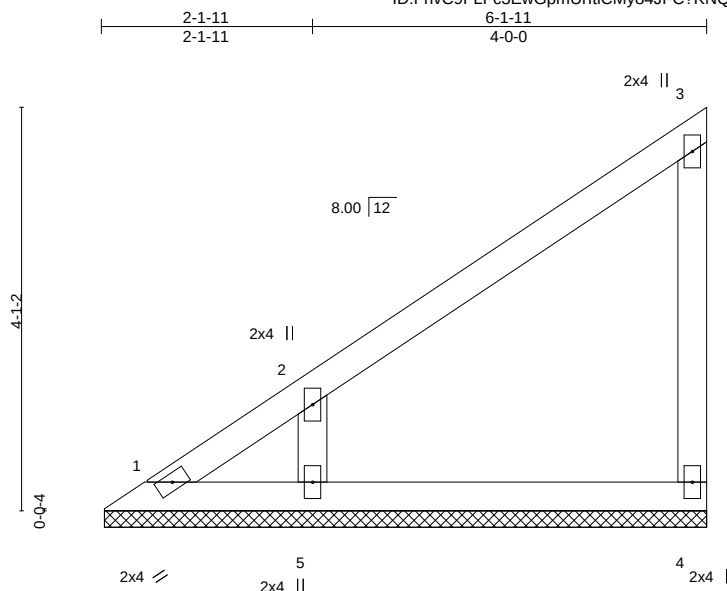
Job 2569948	Truss V09	Truss Type Valley	Qty 1	Ply 1	IC CONST - CALVERLEY RES. T22219834
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Dec 17 16:01:56 2020 Page 1

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Scale = 1:23.4

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.20	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.12	Vert(CT)	n/a	-	n/a	999	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.00	-	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-P						
								Weight: 26 lb	FT = 20%

LUMBER-

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

BRACING-

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

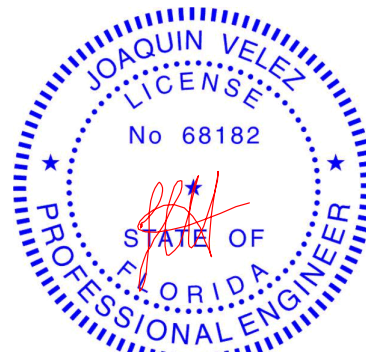
REACTIONS.

(size) 1=6-1-5, 4=6-1-5, 5=6-1-5
Max Horz 1=183(LC 12)
Max Uplift 1=-44(LC 10), 4=-90(LC 12), 5=-227(LC 12)
Max Grav 1=122(LC 12), 4=131(LC 19), 5=330(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-299/276

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 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) 1, 4 except (jt=lb) 5=227.



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

December 17,2020

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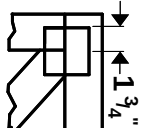
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



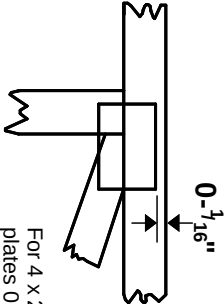
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Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- $\frac{3}{16}$ " from outside edge of truss.

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

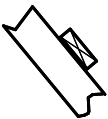
*** Plate location details available in MITek 20120 software or upon request.**

PLATE SIZE

4 X 4

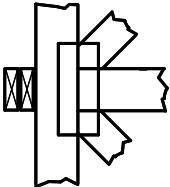
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



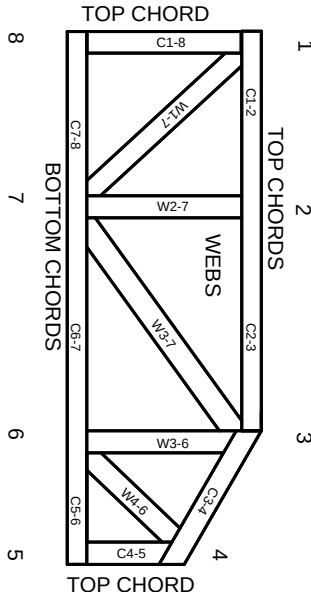
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1.1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: 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: MII-7473 rev. 5/19/2020



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T or 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.