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

RE: 2500817 - IC CONST. - MCKENZIE RES.

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

Site Information:

Customer Info: IC Construction Project Name: McKenzie Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

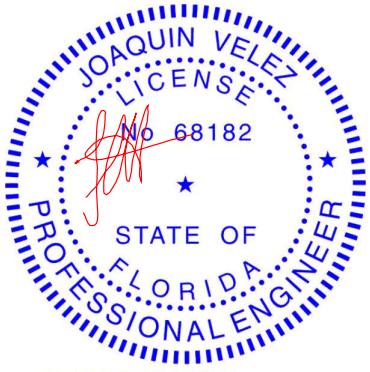
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 36 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	T21529571	CJ01	10/8/20	23	T21529593	T10	10/8/20
2	T21529572	CJ02	10/8/20	24	T21529594	T11	10/8/20
3	T21529573	CJ02A	10/8/20	25	T21529595	T11G	10/8/20
4	T21529574	CJ03	10/8/20	26	T21529596	T12	10/8/20
5	T21529575	CJ04	10/8/20	27	T21529597	T12G	10/8/20
6	T21529576	CJ05	10/8/20	28	T21529598	T13	10/8/20
7	T21529577	EJ01	10/8/20	29	T21529599	T14	10/8/20
8	T21529578	EJ02	10/8/20	30	T21529600	T15	10/8/20
9	T21529579	EJ03	10/8/20	31	T21529601	T16	10/8/20
10	T21529580	HJ08	10/8/20	32	T21529602	V01	10/8/20
11	T21529581	HJ09	10/8/20	33	T21529603	V02	10/8/20
12	T21529582	T01	10/8/20	34	T21529604	V03	10/8/20
13	T21529583	T01G	10/8/20	35	T21529605	V04	10/8/20
14	T21529584	T02	10/8/20	36	T21529606	V05	10/8/20
15	T21529585	T02G	10/8/20				
16	T21529586	T03	10/8/20				
17	T21529587	T04	10/8/20				
18	T21529588	T05	10/8/20				
19	T21529589	T06	10/8/20				
20	T21529590	T07	10/8/20				
21	T21529591	T08	10/8/20				
22	T21529592	T09	10/8/20				

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.

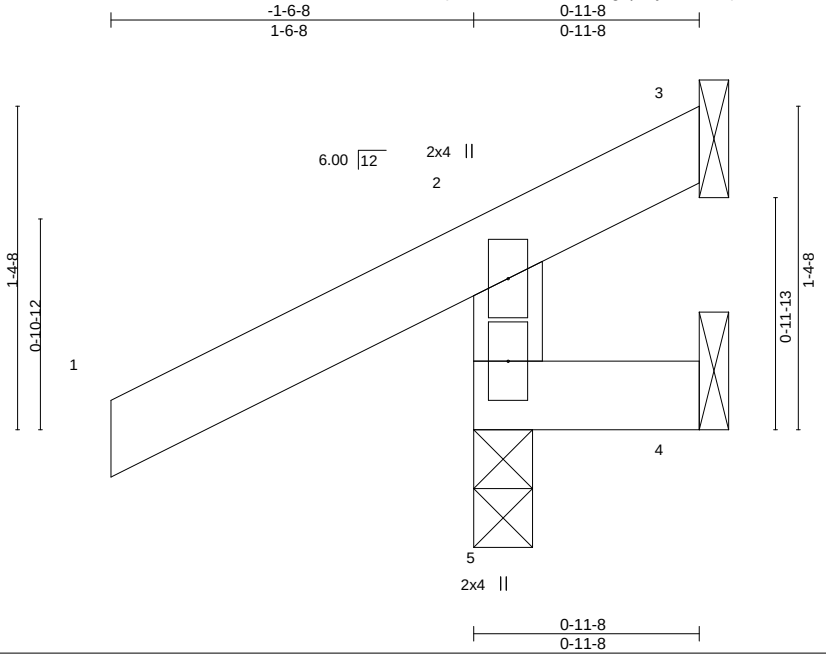


Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: October 8,2020

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.

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	CJ01	Jack-Open	4	1	T21529571
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:12 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-3QY19A7AY79t0y7tO_ZM2QqyGsvSqzaHOgJg9jyVSaX



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	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: 6 lb	FT = 20%

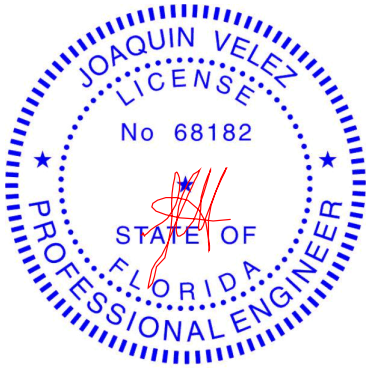
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=48(LC 9)
Max Uplift 5=-102(LC 12), 3=-52(LC 1), 4=-15(LC 1)
Max Grav 5=217(LC 1), 3=26(LC 8), 4=9(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=18ft; 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 102 lb uplift at joint 5, 52 lb uplift at joint 3 and 15 lb uplift at joint 4.



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Date:

October 8,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	CJ02	Jack-Open	2	1	T21529572
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:13 2020 Page 1
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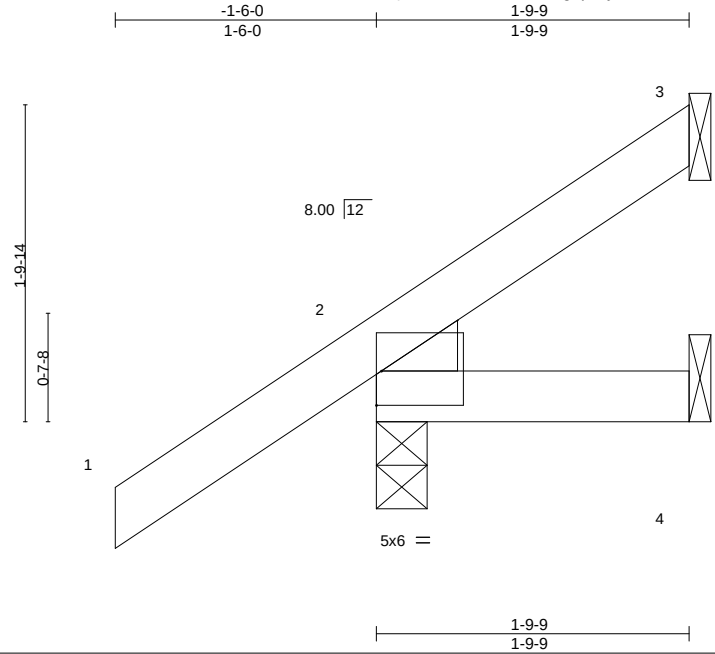


Plate Offsets (X,Y)-- [2:0-0-3,0-0-2], [2:0-3-14,0-0-4], [2:Edge,0-2-6]

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	0.18	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 10 lb	FT = 20%

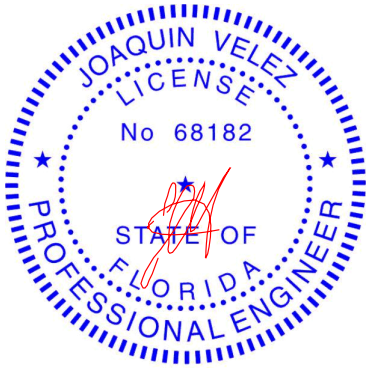
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-9-9 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=100(LC 12)
Max Uplift 3=-35(LC 12), 2=-77(LC 12)
Max Grav 3=33(LC 19), 2=181(LC 1), 4=27(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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 3 and 77 lb uplift at joint 2.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	CJ02A	Jack-Open	2	1	T21529573
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:13 2020 Page 1
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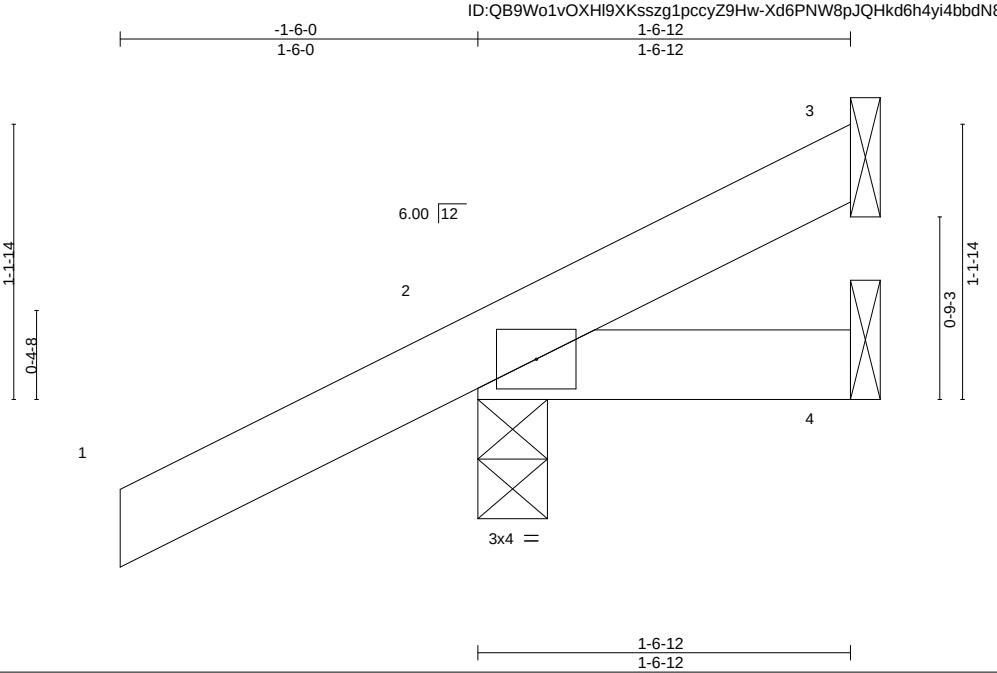


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 8 lb	FT = 20%

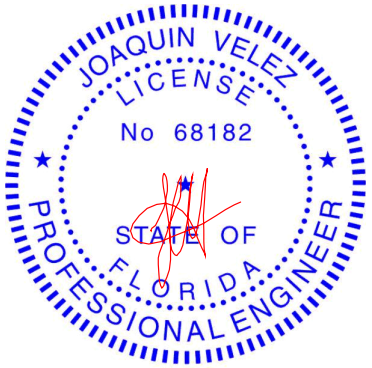
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-6-12 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=69(LC 12)
Max Uplift 3=-16(LC 12), 2=-96(LC 12)
Max Grav 3=17(LC 1), 2=178(LC 1), 4=21(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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 3 and 96 lb uplift at joint 2.



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Date:

October 8,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	CJ03	Jack-Open	4	1	T21529574
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:14 2020 Page 1
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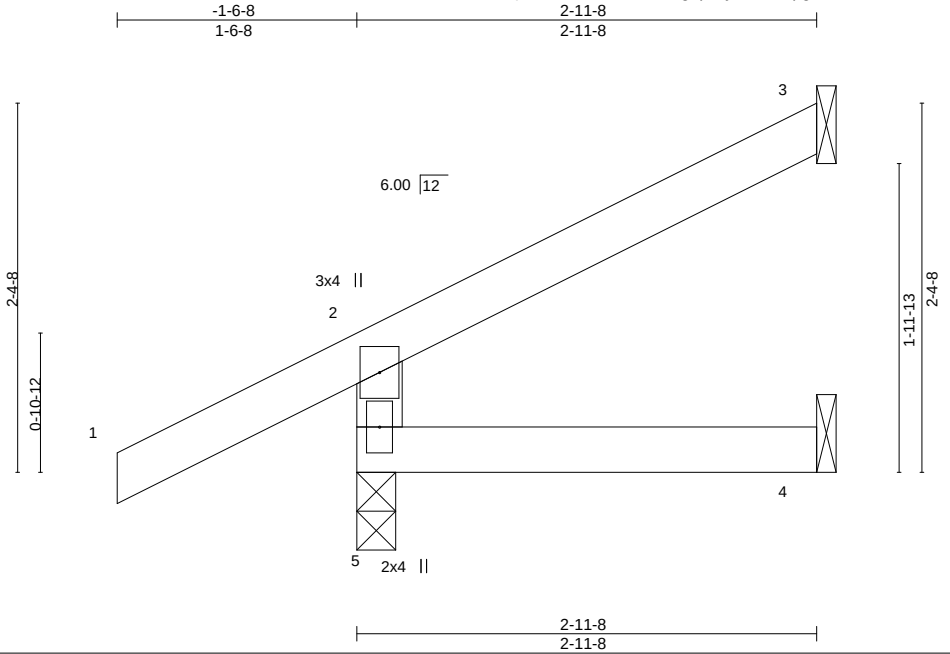


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 13 lb	FT = 20%

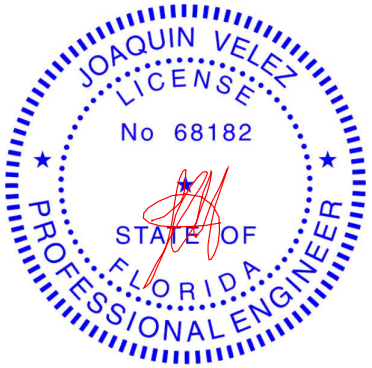
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=91(LC 12)
Max Uplift 5=-86(LC 12), 3=-62(LC 12), 4=-3(LC 12)
Max Grav 5=221(LC 1), 3=52(LC 1), 4=49(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=18ft; 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 86 lb uplift at joint 5, 62 lb uplift at joint 3 and 3 lb uplift at joint 4.



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Date:

October 8,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	CJ04	Jack-Open	2	1	T21529575 Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:14 2020 Page 1
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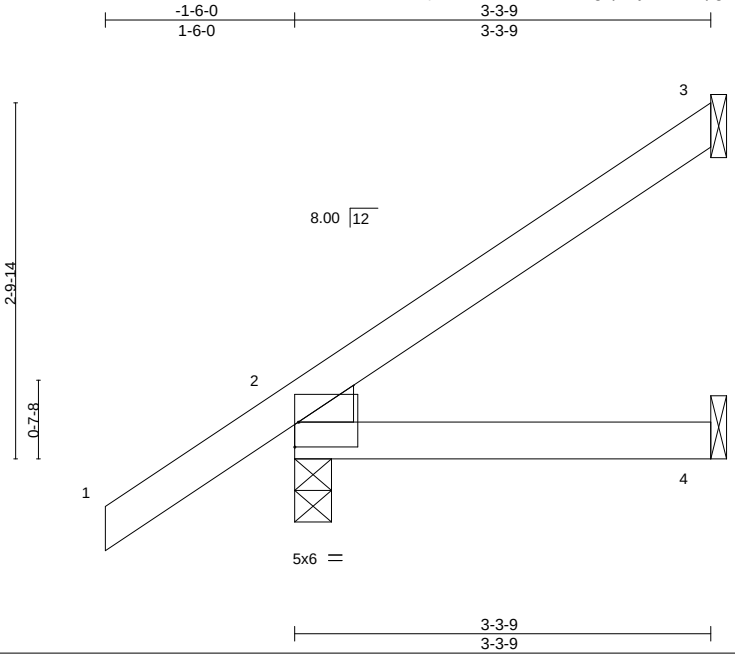


Plate Offsets (X,Y)-- [2:0-0-3,0-0-2], [2:0-3-14,0-0-4], [2:Edge,0-2-6]

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	0.18	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.01	4-7	>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-MP							Weight: 14 lb	FT = 20%

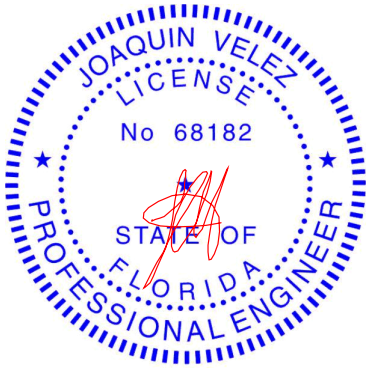
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-9 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=147(LC 12)
Max Uplift 3=-78(LC 12), 2=-75(LC 12), 4=-8(LC 12)
Max Grav 3=81(LC 19), 2=219(LC 1), 4=56(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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 78 lb uplift at joint 3, 75 lb uplift at joint 2 and 8 lb uplift at joint 4.



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Date:

October 8,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	CJ05	Jack-Open	2	1	T21529576
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:15 2020 Page 1
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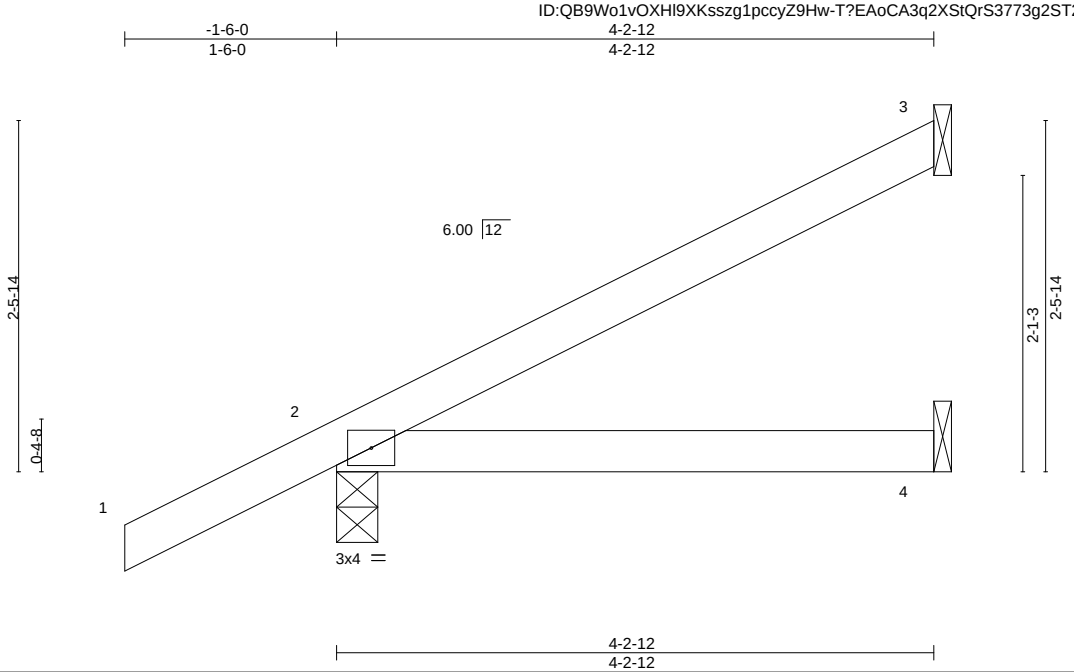


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	0.02	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.03	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 16 lb	FT = 20%

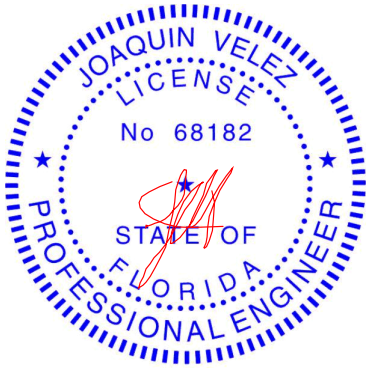
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-12 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=133(LC 12)
Max Uplift 3=-84(LC 12), 2=-106(LC 12), 4=-3(LC 12)
Max Grav 3=93(LC 1), 2=250(LC 1), 4=73(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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 3, 106 lb uplift at joint 2 and 3 lb uplift at joint 4.



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Date:

October 8,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	EJ01	Jack-Partial	8	1	T21529577 Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:16 2020 Page 1
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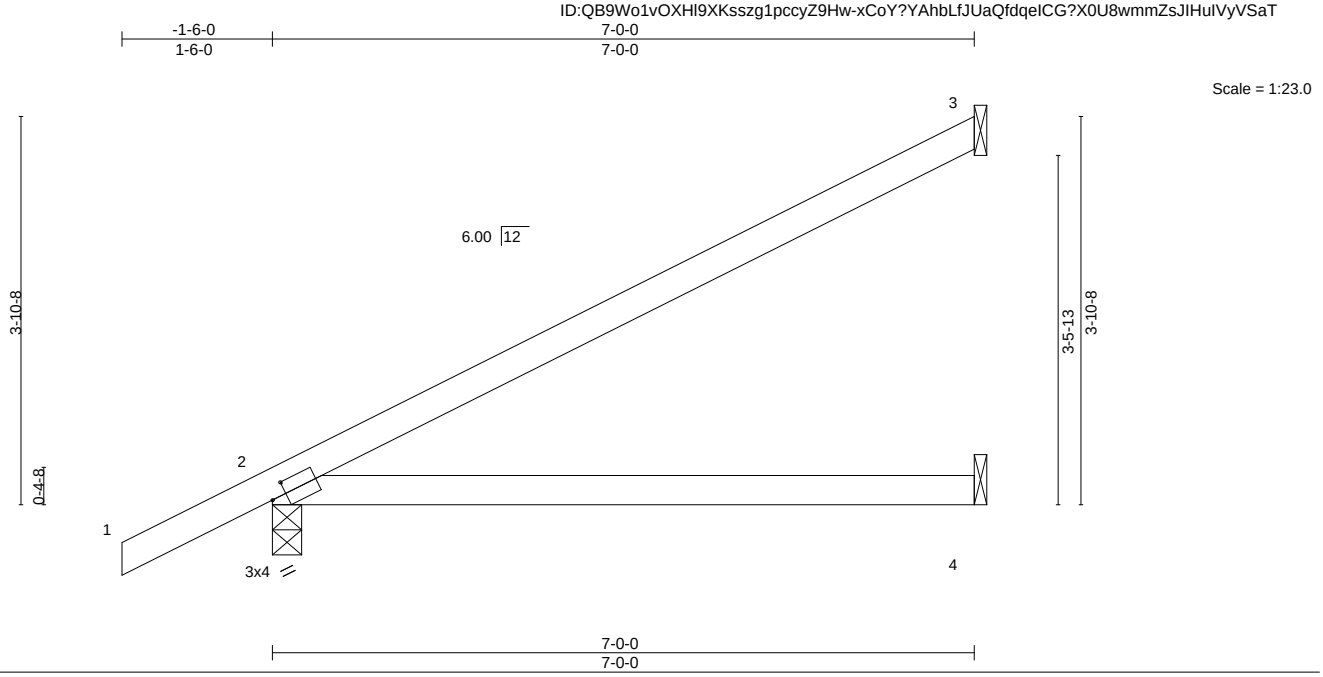


Plate Offsets (X,Y)-- [2:0-1-13,0-1-8]

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	0.69	Vert(LL)	0.14	4-7	>580	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.22	4-7	>385	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 25 lb	FT = 20%

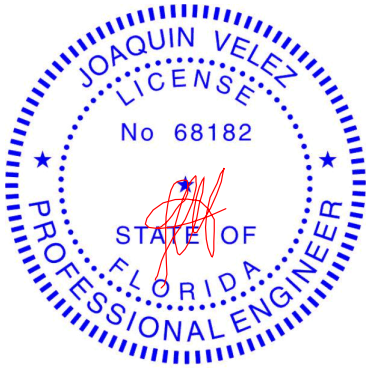
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=0-3-8, 4=Mechanical
Max Horz 2=200(LC 12)
Max Uplift 3=-148(LC 12), 2=-132(LC 12), 4=-8(LC 12)
Max Grav 3=164(LC 1), 2=346(LC 1), 4=126(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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 3, 132 lb uplift at joint 2 and 8 lb uplift at joint 4.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	EJ02	Jack-Partial	3	1	T21529578
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:16 2020 Page 1
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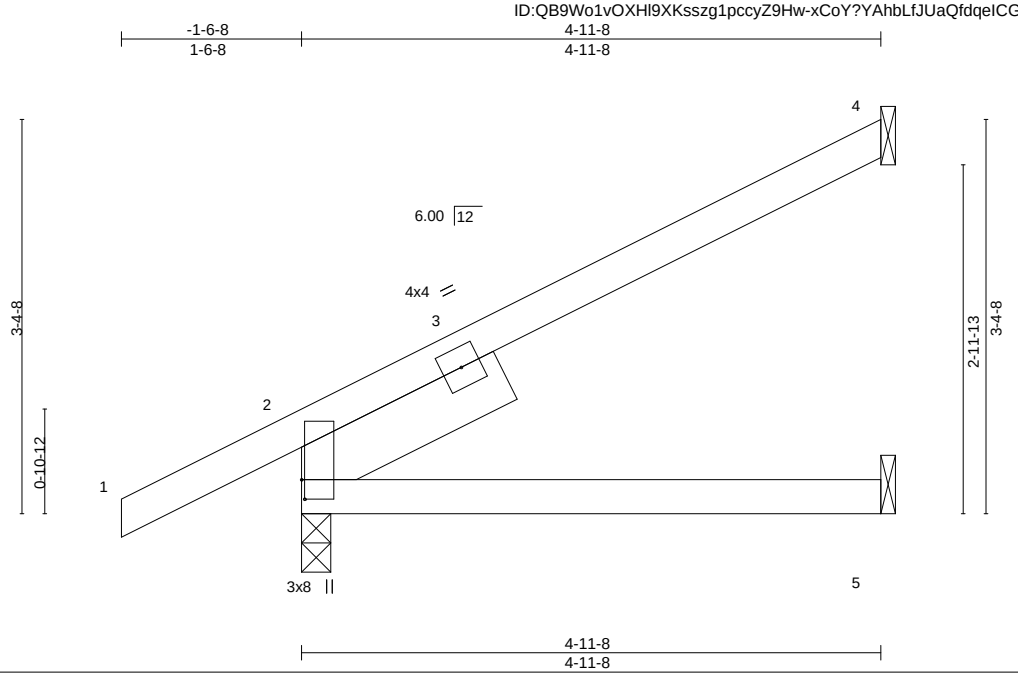


Plate Offsets (X,Y)-- [2:0-2-0,0-0-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	0.05	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.05	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 23 lb	FT = 20%

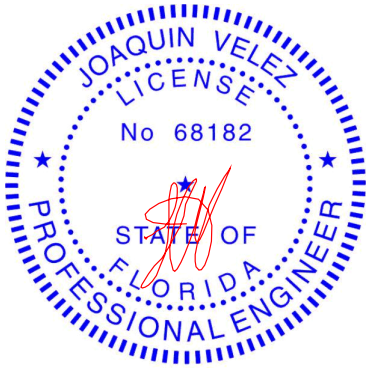
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-11-8

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

REACTIONS. (size) 4=Mechanical, 2=0-3-0, 5=Mechanical
Max Horz 2=151(LC 12)
Max Uplift 4=-109(LC 12), 2=-98(LC 12), 5=-12(LC 12)
Max Grav 4=111(LC 1), 2=278(LC 1), 5=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=18ft; 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 109 lb uplift at joint 4, 98 lb uplift at joint 2 and 12 lb uplift at joint 5.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	EJ03	Jack-Open	5	1	T21529579 Job Reference (optional)

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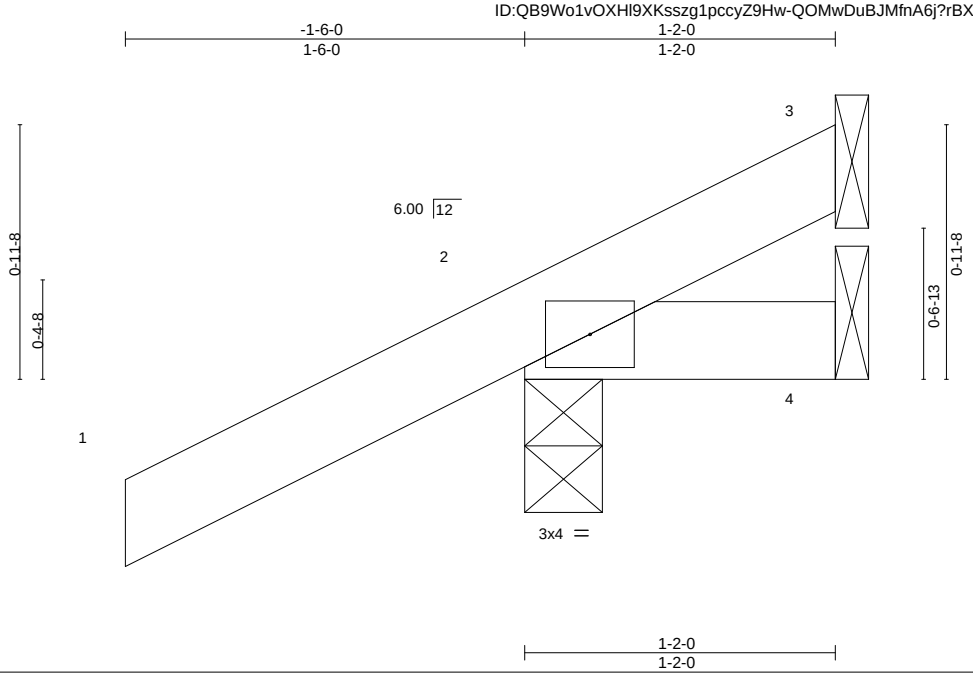


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

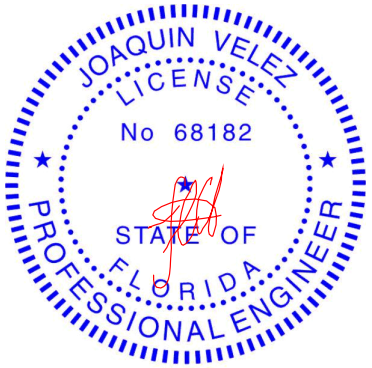
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=59(LC 12)
Max Uplift 3=-3(LC 12), 2=-102(LC 12), 4=-12(LC 1)
Max Grav 3=9(LC 8), 2=176(LC 1), 4=23(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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 3, 102 lb uplift at joint 2 and 12 lb uplift at joint 4.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	HJ08	Diagonal Hip Girder	2	1	T21529580 Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:18 2020 Page 1
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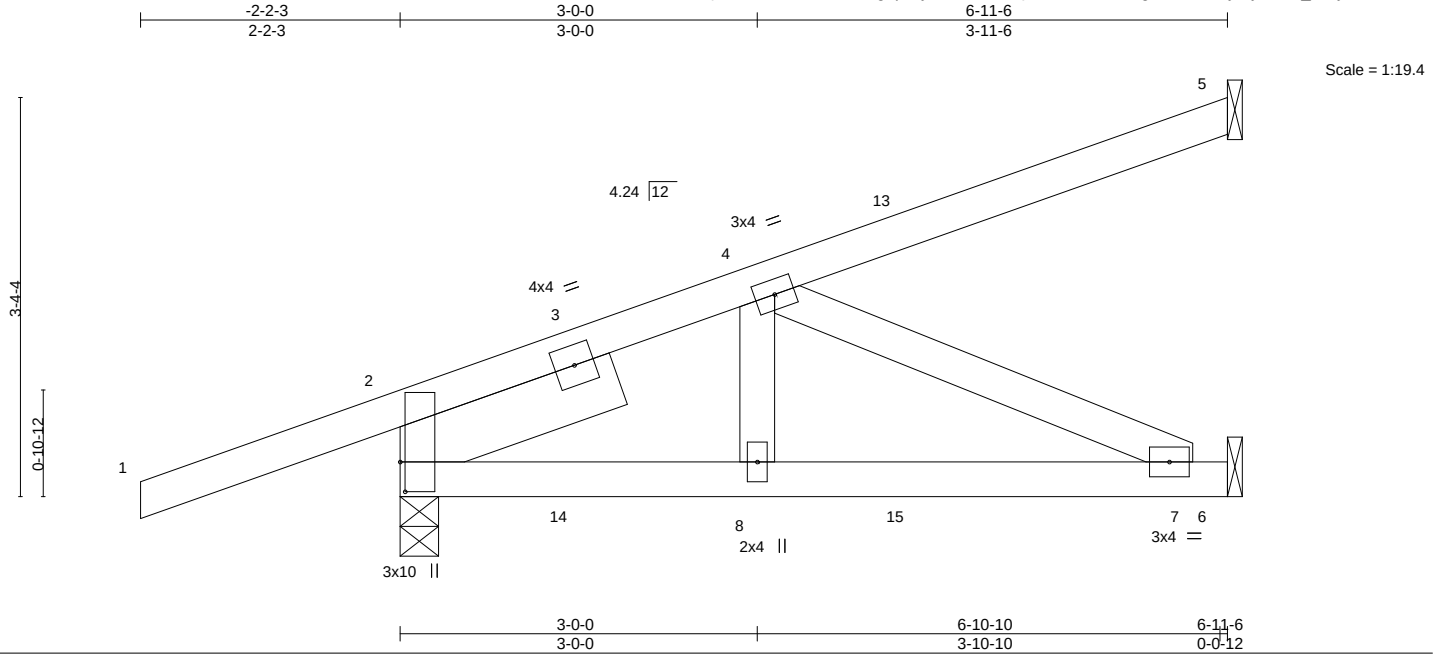


Plate Offsets (X,Y)-- [2:0-3-0,0-0-8]

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	0.43	Vert(LL)	0.02	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.03	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.09	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 37 lb	FT = 20%

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

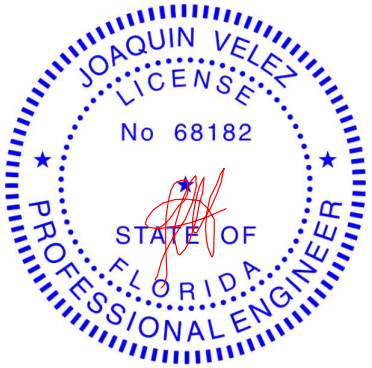
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-3-14, 6=Mechanical
Max Horz 2=168(LC 4)
Max Uplift 5=-82(LC 4), 2=-200(LC 4), 6=-61(LC 8)
Max Grav 5=103(LC 19), 2=339(LC 1), 6=138(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-271/246
WEBS 4-7=-261/166

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; 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 82 lb uplift at joint 5, 200 lb uplift at joint 2 and 61 lb uplift at joint 6.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 93 lb down and 128 lb up at 1-5-5, 93 lb down and 128 lb up at 1-5-5, and 26 lb down and 60 lb up at 4-3-4, and 26 lb down and 60 lb up at 4-3-4 on top chord, and 11 lb down and 43 lb up at 1-5-5, 11 lb down and 43 lb up at 1-5-5, and 22 lb down and 10 lb up at 4-3-4, and 22 lb down and 10 lb up at 4-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) 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: 1-5=-54, 6-9=-20
Concentrated Loads (lb)
Vert: 3=66(F=33, B=33) 15=4(F=2, B=2)



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	HJ09	Diagonal Hip Girder	2	1	T21529581 Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:19 2020 Page 1
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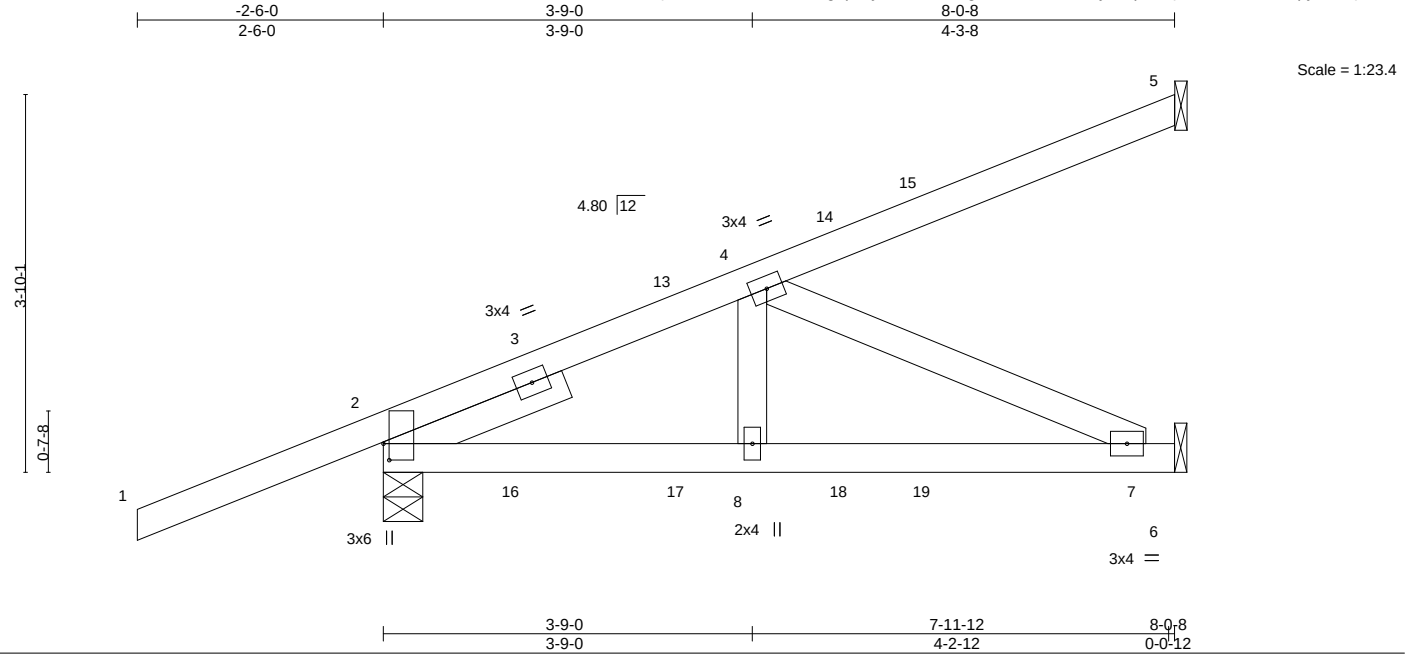


Plate Offsets (X,Y)-- [2:0-2-0,0-0-11]

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	0.43	Vert(LL)	0.03	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.04	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.16	Horz(CT)	0.00	6	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
SLIDER Left 2x4 SP No.3 1-11-8

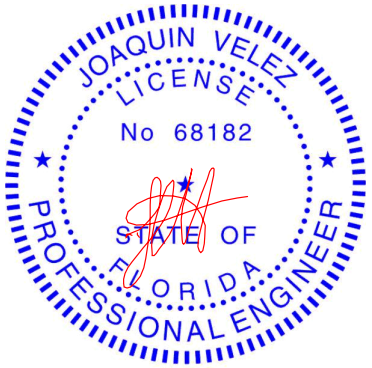
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-4-13, 6=Mechanical
Max Horz 2=197(LC 23)
Max Uplift 5=-98(LC 8), 2=-241(LC 4), 6=-110(LC 8)
Max Grav 5=102(LC 1), 2=455(LC 1), 6=202(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-424/165
BOT CHORD 2-8=-259/370, 7-8=-259/370
WEBS 4-7=-406/285

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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 98 lb uplift at joint 5, 241 lb uplift at joint 2 and 110 lb uplift at joint 6.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 92 lb down and 16 lb up at 1-4-12, 84 lb down and 30 lb up at 3-0-14, and 42 lb down and 87 lb up at 4-8-12, and 109 lb down and 80 lb up at 5-6-14 on top chord, and 15 lb down and 6 lb up at 1-4-12, 17 lb down and 4 lb up at 3-0-14, and 33 lb down and 16 lb up at 4-8-12, and 34 lb down and 17 lb up at 5-6-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) 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: 1-5=-54, 6-9=-20
Concentrated Loads (lb)
Vert: 14=-5(F) 15=-4(B) 16=6(F) 17=4(B) 18=-14(F) 19=-8(B)



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T01	Common	1	1	T21529582 Job Reference (optional)

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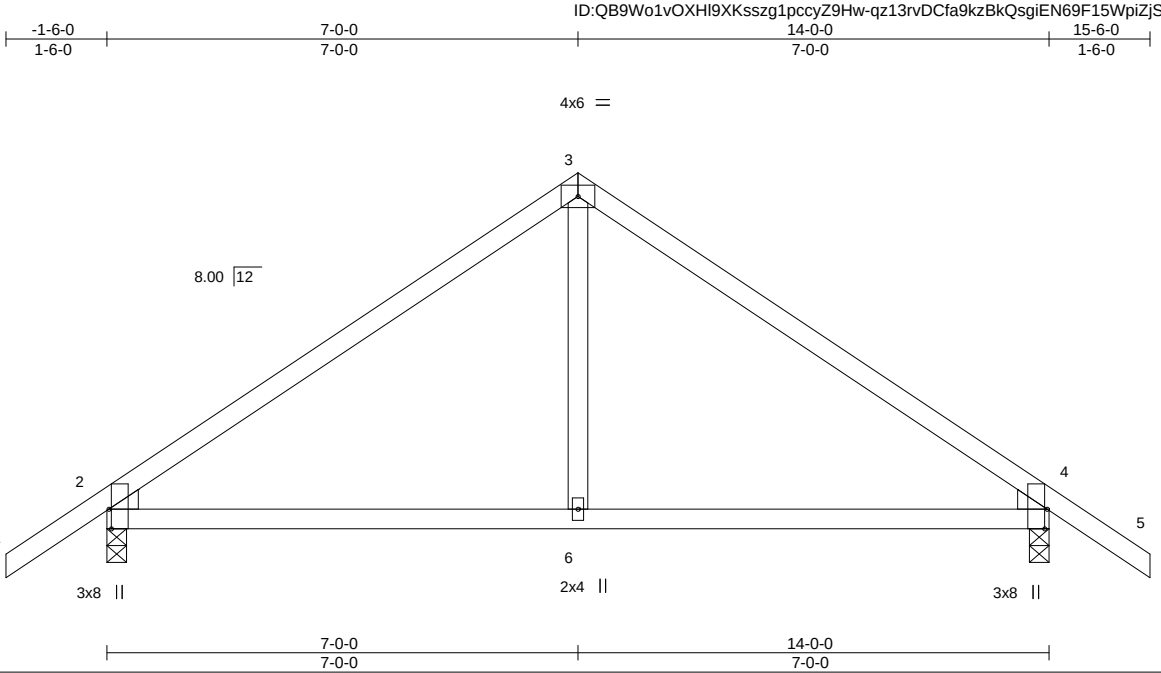


Plate Offsets (X,Y)-- [2:0-0-2,0-0-3], [2:0-0-4,0-3-14], [2:0-3-8,Edge], [4:0-0-2,0-0-3], [4:0-0-4,0-3-14], [4:0-3-8,Edge]

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	0.50	Vert(LL)	0.10	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.11	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 60 lb	FT = 20%

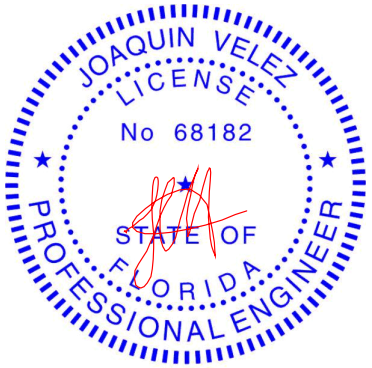
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=-176(LC 10)
Max Uplift 2=-236(LC 12), 4=-236(LC 13)
Max Grav 2=599(LC 1), 4=599(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-588/262, 3-4=-588/262
BOT CHORD 2-6=-86/431, 4-6=-86/431
WEBS 3-6=-23/308

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 236 lb uplift at joint 2 and 236 lb uplift at joint 4.



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Date:

October 8,2020

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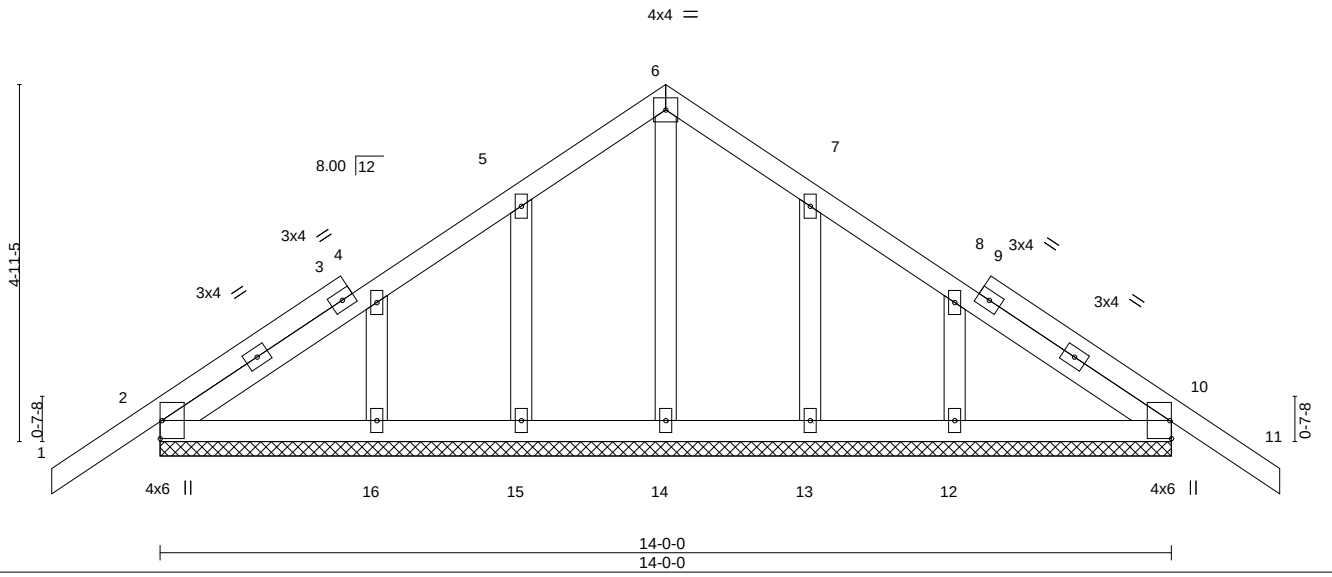
Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T01G	Common Supported Gable	1	1	T21529583 Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:21 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-I9bR2FEqQuIbbLJcQNDTvJiVSVzER16bSa?eziyVSaO

-1-6-0 | 7-0-0 | 14-0-0 | 15-6-0
1-6-0 | 7-0-0 | 7-0-0 | 1-6-0

Scale: 3/8"=1'



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	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 81 lb	FT = 20%

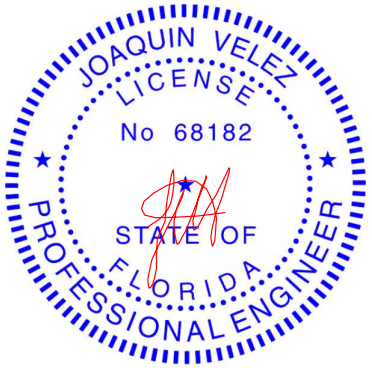
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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 14-0-0.
(lb) - Max Horz 2=-166(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10 except 15=-117(LC 12), 16=-128(LC 12), 13=-116(LC 13), 12=-129(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10 except (jt=lb) 15=117, 16=128, 13=116, 12=129.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T02	Roof Special	5	1	T21529584 Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:22 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-mL9pGbFSBBQSCVto_5liSXFW0u8VAO1lhEkCV8yVSaN

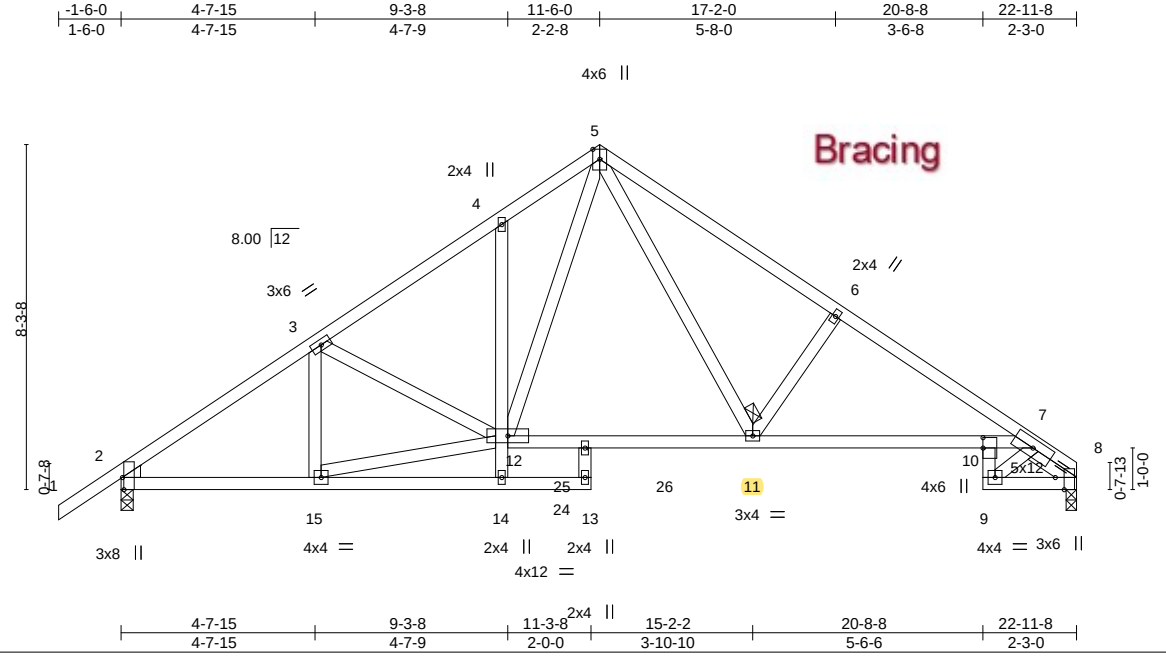


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-0-4,0-3-14], [2:0-0-2,0-0-3], [8:0-3-8,Edge], [10:0-3-0,0-0-0]

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	0.79	Vert(LL)	0.20	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.40	10-11	>697	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 144 lb	FT = 20%

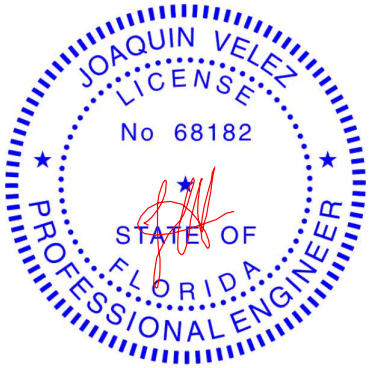
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-14,9-10: 2x4 SP No.3, 7-12: 2x4 SP M 31
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3
SLIDER Right 2x4 SP No.3 1-2-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
10-0-0 oc bracing: 12-14, 11-12, 10-11
JOINTS 1 Brace at Jt(s): 11

REACTIONS. (size) 8=0-3-0, 2=0-3-8
Max Horz 2=259(LC 9)
Max Uplift 8=-297(LC 13), 2=-349(LC 12)
Max Grav 8=866(LC 1), 2=957(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1223/501, 3-4=-1166/508, 4-5=-1242/613, 5-6=-1386/647, 6-7=-1480/619, 7-8=-690/271
BOT CHORD 2-15=-405/1092, 11-12=-152/809, 10-11=-428/1232, 7-10=-385/1149, 9-10=-316/788, 8-9=-317/755
WEBS 12-15=-379/1106, 5-12=-334/721, 5-11=-322/734, 6-11=-425/330, 7-9=-930/388

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=297, 2=349.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T02G	GABLE	1	1	T21529585
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:24 2020 Page 1
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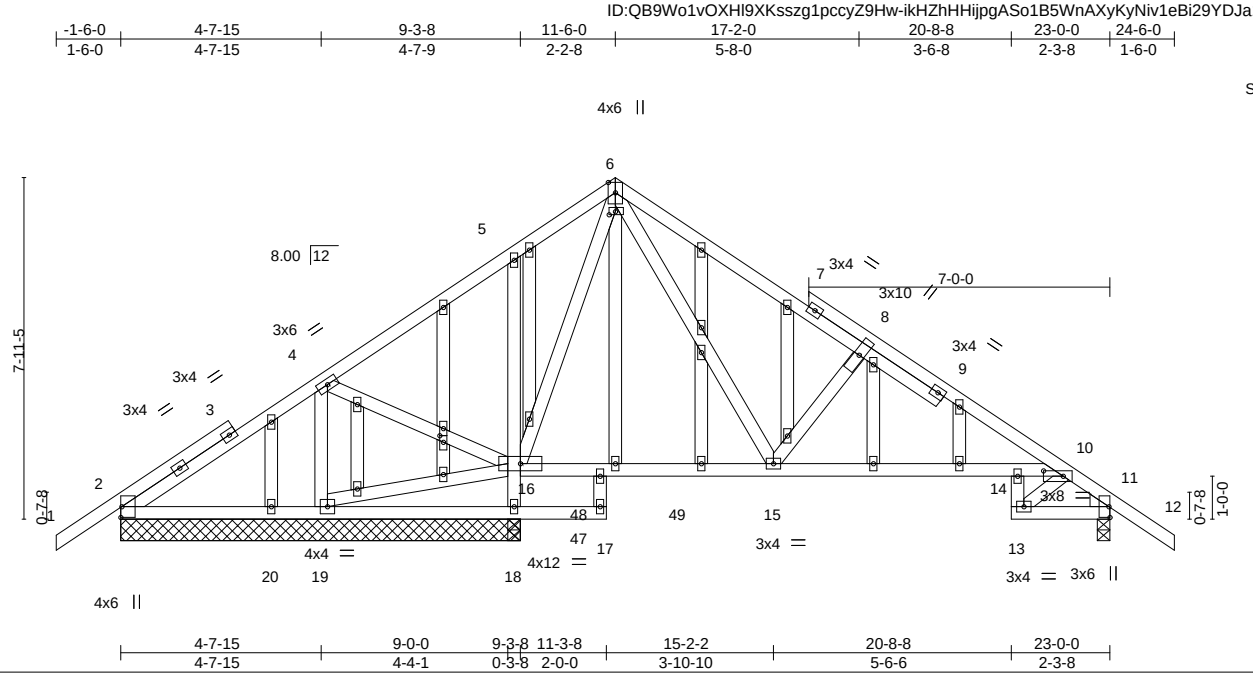


Plate Offsets (X,Y)-- [6:0-1-12,0-0-13], [10:0-5-8,0-1-8], [11:0-0-2,0-0-2], [11:0-0-3,0-3-13], [25:0-1-13,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.08	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.19	14-15	>886	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 197 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 5-18,13-14: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except* 17-21: 2x4 SP No.2
OTHERS	2x4 SP No.3
WEDGE	Right: 2x4 SP No.3

BRACING-

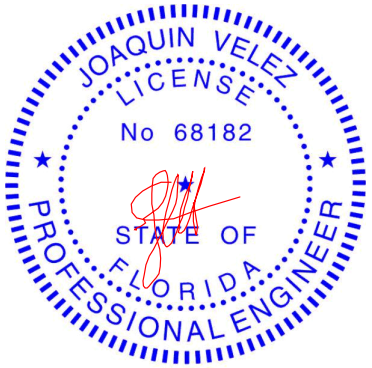
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 4-10-0 oc bracing: 16-18

REACTIONS. All bearings 9-3-8 except (jt=length) 11=0-3-8.
(lb) - Max Horz 2=-259(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 20 except 18=-354(LC 13), 11=-219(LC 13), 19=-170(LC 24)
Max Grav All reactions 250 lb or less at joint(s) 2, 19, 20, 2 except 18=1312(LC 1), 18=1312(LC 1), 11=434(LC 20)

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

TOP CHORD	2-4=-88/314, 4-5=-136/623, 5-6=-23/587, 6-8=-275/251, 8-10=-406/257, 10-11=-332/179
BOT CHORD	2-20=-264/196, 19-20=-264/196, 16-18=-1321/487, 15-16=-333/290, 14-15=-70/326, 10-14=-57/274
WEBS	4-19=-96/255, 4-16=-468/218, 6-16=-951/283, 6-15=-288/629, 8-15=-454/357

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 20, 2 except (jt=lb) 18=354, 11=219, 19=170.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T03	Common	8	1	T21529586 Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:25 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-BwryudHKU6o13ycNfDIP49t7g6CqNj0BNCzs6TyVSaK

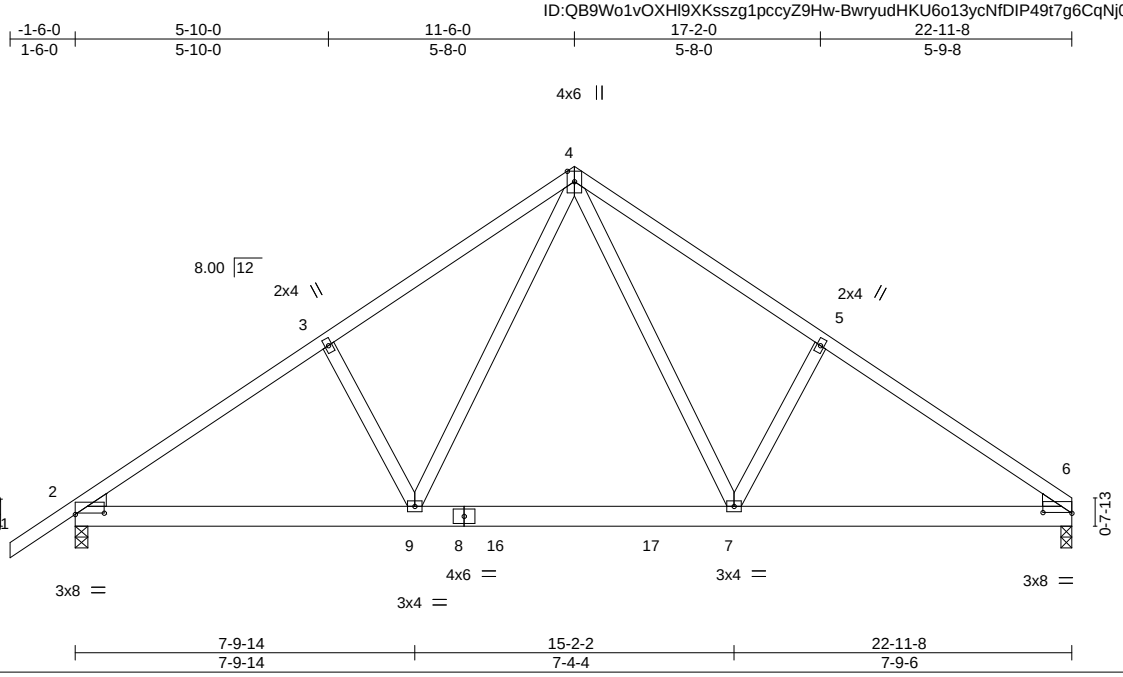


Plate Offsets (X,Y)-- [2:0-8-0,0-0-6], [6:0-8-0,0-0-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.11	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.19	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 137 lb	FT = 20%

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

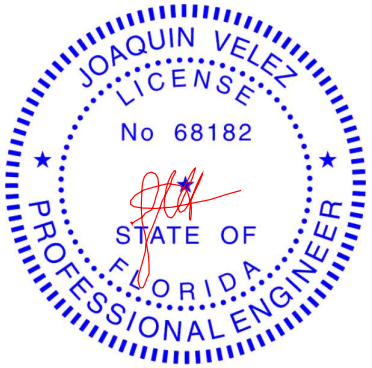
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-9-9 oc bracing.

REACTIONS. (size) 6=0-3-0, 2=0-3-8
Max Horz 2=259(LC 9)
Max Uplift 6=-406(LC 13), 2=-459(LC 12)
Max Grav 6=1070(LC 20), 2=1153(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1595/695, 3-4=-1531/756, 4-5=-1521/760, 5-6=-1597/699
BOT CHORD 2-9=-559/1418, 7-9=-254/936, 6-7=-482/1259
WEBS 3-9=-342/313, 4-9=-385/811, 4-7=-392/814, 5-7=-339/315

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=406, 2=459.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 9-13=-20, 7-9=-80(F=-60), 7-10=-20



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T04	Common	4	1	T21529587 Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:26 2020 Page 1
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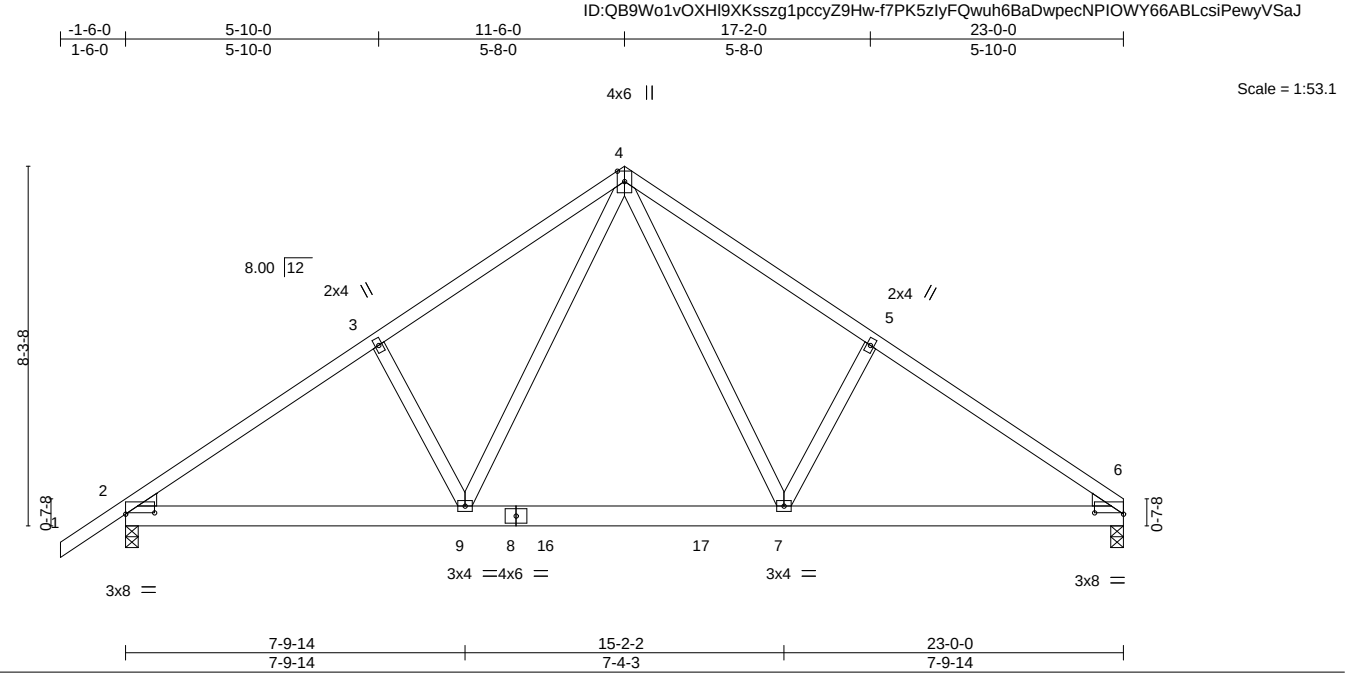


Plate Offsets (X,Y)-- [2:0-8-0,0-0-6], [6:0-8-0,0-0-6]

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	0.45	Vert(LL)	-0.11	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.19	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 137 lb	FT = 20%

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

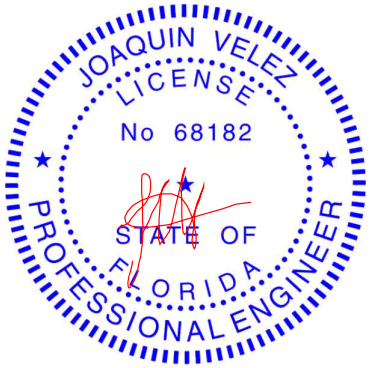
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-9-11 oc bracing.

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=259(LC 9)
Max Uplift 6=-406(LC 13), 2=-459(LC 12)
Max Grav 6=1071(LC 20), 2=1155(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1597/697, 3-4=-1533/757, 4-5=-1529/764, 5-6=-1605/703
BOT CHORD 2-9=-559/1420, 7-9=-255/939, 6-7=-485/1267
WEBS 4-7=-396/824, 5-7=-341/316, 4-9=-384/809, 3-9=-342/313

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=406, 2=459.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 9-13=-20, 7-9=-80(F=-60), 7-10=-20



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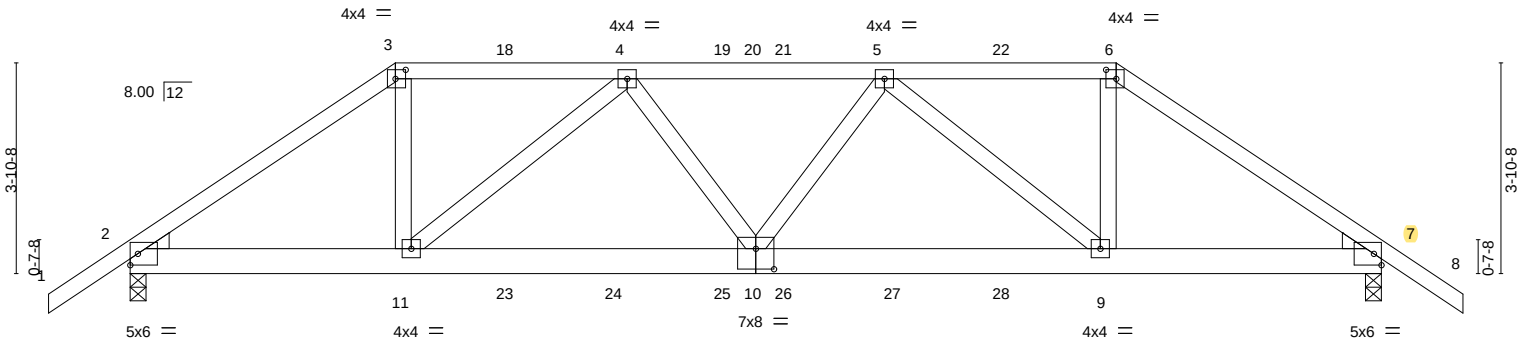
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T05	Hip Girder	1	1	T21529588
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:27 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-7JyiJlJb0k2lJGmmmeKt9ayQAvrBrbSUrWSzBMyVSaI

-1-6-0	4-10-8	9-1-10	13-10-6	18-1-8	23-0-0	24-6-0
1-6-0	4-10-8	4-3-2	4-8-12	4-3-2	4-10-8	1-6-0

Scale = 1:42.4



4-10-8	11-6-0	18-1-8	23-0-0
4-10-8	6-7-8	6-7-8	4-10-8

Plate Offsets (X,Y)-- [3:0-2-4,0-2-0], [6:0-2-4,0-2-0], [10:0-4-0,0-4-8]

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	0.63	Vert(LL)	0.16	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.22	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 134 lb	FT = 20%

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

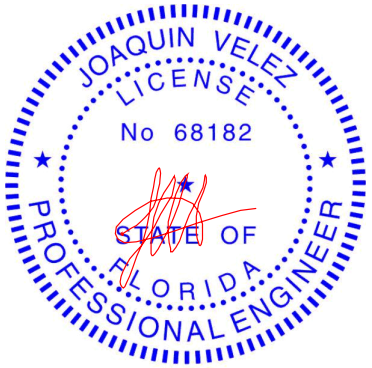
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-4-14 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-133(LC 25)
Max Uplift 2=-1028(LC 8), 7=-1050(LC 9)
Max Grav 2=1799(LC 1), 7=1819(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2654/1516, 3-4=-2177/1336, 4-5=-3239/1890, 5-6=-2204/1365, 6-7=-2687/1552
BOT CHORD 2-11=-1241/2132, 10-11=-1847/3088, 9-10=-1842/3098, 7-9=-1212/2159
WEBS 3-11=-570/1102, 4-11=-1231/842, 4-10=-76/395, 5-10=-46/387, 5-9=-1201/798, 6-9=-537/1080

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1028, 7=1050.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 128 lb down and 152 lb up at 4-10-8, 110 lb down and 148 lb up at 6-11-4, 110 lb down and 148 lb up at 8-11-4, 110 lb down and 144 lb up at 10-11-4, 110 lb down and 144 lb up at 12-0-12, 110 lb down and 148 lb up at 14-0-12, and 110 lb down and 148 lb up at 16-0-12, and 188 lb down and 255 lb up at 18-1-8 on top chord, and 237 lb down and 163 lb up at 4-10-8, 86 lb down and 28 lb up at 6-11-4, 86 lb down and 28 lb up at 8-11-4, 86 lb down and 28 lb up at 10-11-4, 86 lb down and 28 lb up at 12-0-12, 86 lb down and 28 lb up at 14-0-12, and 86 lb down and 28 lb up at 16-0-12, and 237 lb down and 163 lb up at 18-0-12 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



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: October 8,2020

Continued on page 2

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6904 Parke East Blvd.
Tampa, FL 36610

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-54, 3-6=-54, 6-8=-54, 12-15=-20

Concentrated Loads (lb)

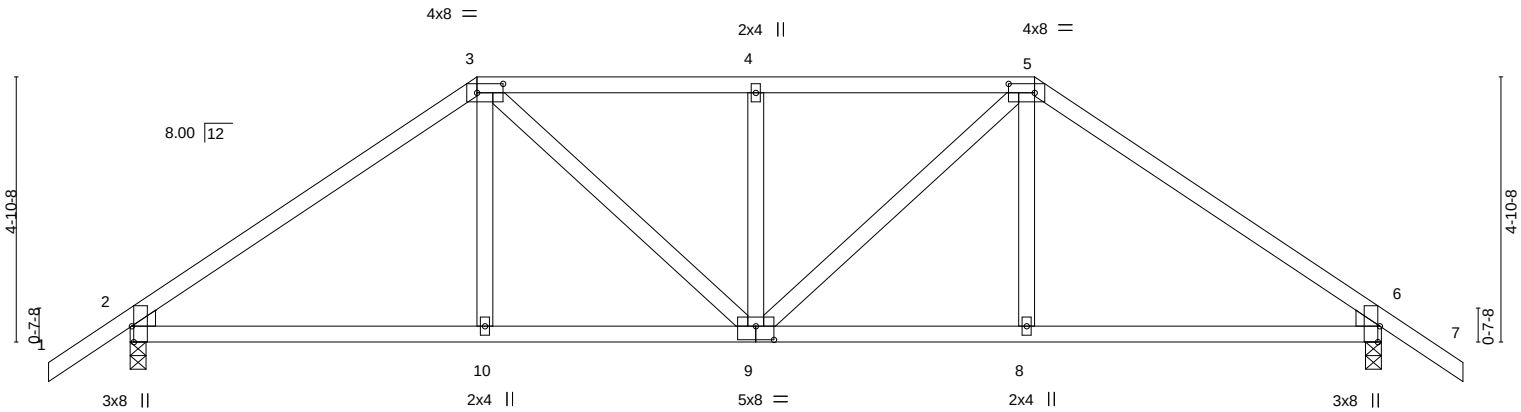
Vert: 3=-110(B) 6=-144(B) 11=-228(B) 4=-110(B) 5=-110(B) 9=-228(B) 18=-110(B) 19=-110(B) 21=-110(B) 22=-110(B) 23=-64(B) 24=-64(B) 25=-64(B) 26=-64(B) 27=-64(B) 28=-64(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T06	Hip	1	1	T21529589
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:28 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-bVW4WeKDm1AcwQLyKLr6hoUe1JH9a9Jd3ABWjoyVSaH

-1-6-0	6-4-8	11-6-0	16-7-8	23-0-0	24-6-0
1-6-0	6-4-8	5-1-8	5-1-8	6-4-8	1-6-0

Scale = 1:42.4



6-4-8	11-6-0	16-7-8	23-0-0
6-4-8	5-1-8	5-1-8	6-4-8

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-0-4,0-3-14], [2:0-0-2,0-0-3], [3:0-5-12,0-2-0], [5:0-5-12,0-2-0], [6:0-3-8,Edge], [6:0-0-4,0-3-14], [6:0-0-2,0-0-3], [9:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	0.06	10-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.08	8-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 117 lb	FT = 20%

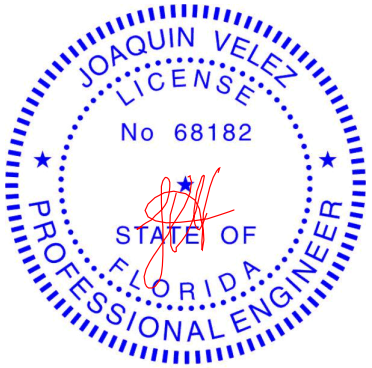
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-164(LC 10)
Max Uplift 2=-375(LC 12), 6=-375(LC 13)
Max Grav 2=932(LC 1), 6=932(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1145/520, 3-4=-1089/599, 4-5=-1089/599, 5-6=-1145/520
BOT CHORD 2-10=-316/870, 9-10=-316/874, 8-9=-270/874, 6-8=-270/870
WEBS 3-9=-243/364, 4-9=-311/244, 5-9=-243/364

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=375, 6=375.



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October 8,2020

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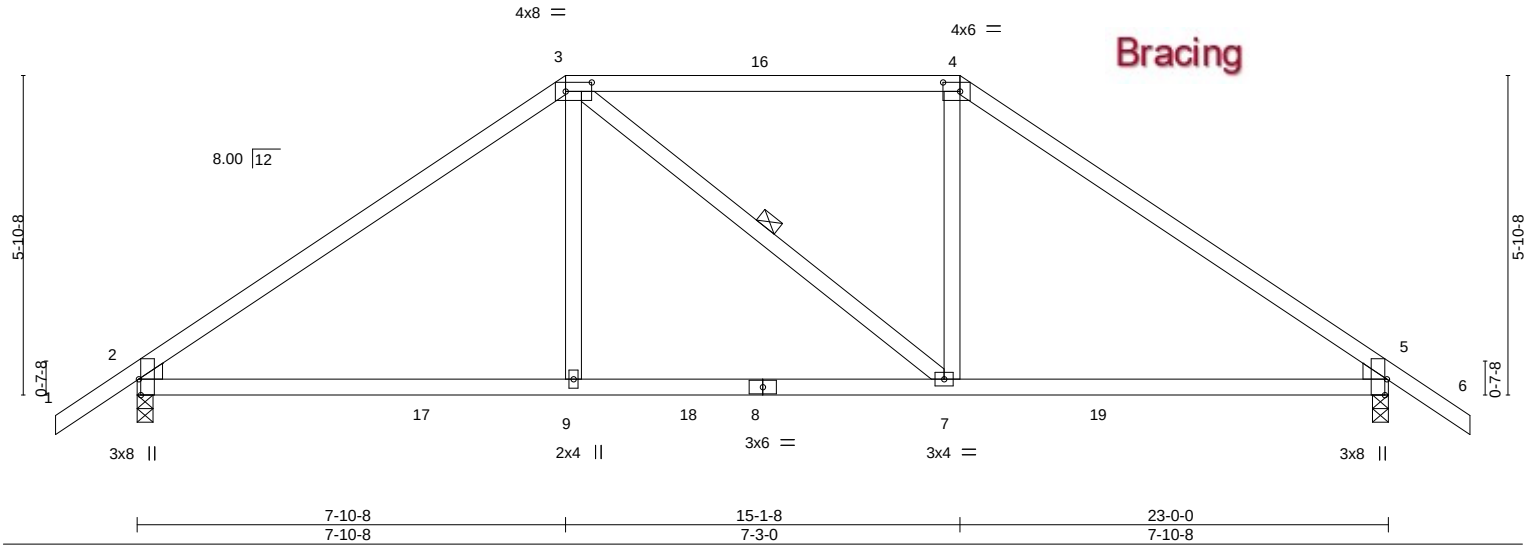
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T07	Hip	1	1	T21529590
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:29 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-3i4Sk_KrXLITYZw8u3NLE?1j7jagJeunIqx4FEyVSaG

-1-6-0 | 7-10-8 | 15-1-8 | 23-0-0 | 24-6-0
1-6-0 | 7-10-8 | 7-3-0 | 7-10-8 | 1-6-0

Scale = 1:42.4



7-10-8 | 15-1-8 | 23-0-0
7-10-8 | 7-3-0 | 7-10-8

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-0-4,0-3-14], [2:0-0-2,0-0-3], [3:0-5-12,0-2-0], [4:0-3-12,0-2-0], [5:0-0-2,0-0-3], [5:0-0-4,0-3-14], [5:0-3-8,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	0.80	Vert(LL)	0.16	9-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.21	7-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 109 lb	FT = 20%

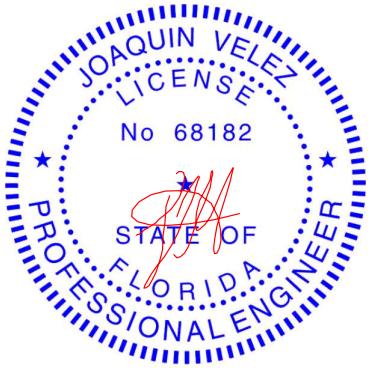
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-7

REACTIONS. (size) 2=0-3-8, 5=0-3-8
Max Horz 2=-196(LC 10)
Max Uplift 2=-370(LC 12), 5=-370(LC 13)
Max Grav 2=932(LC 1), 5=932(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1145/489, 3-4=-859/502, 4-5=-1120/489
BOT CHORD 2-9=-262/873, 7-9=-261/881, 5-7=-221/853
WEBS 3-9=0/319, 4-7=-30/303

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=370, 5=370.



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October 8,2020

6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T08	Hip	1	1	T21529591
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:30 2020 Page 1
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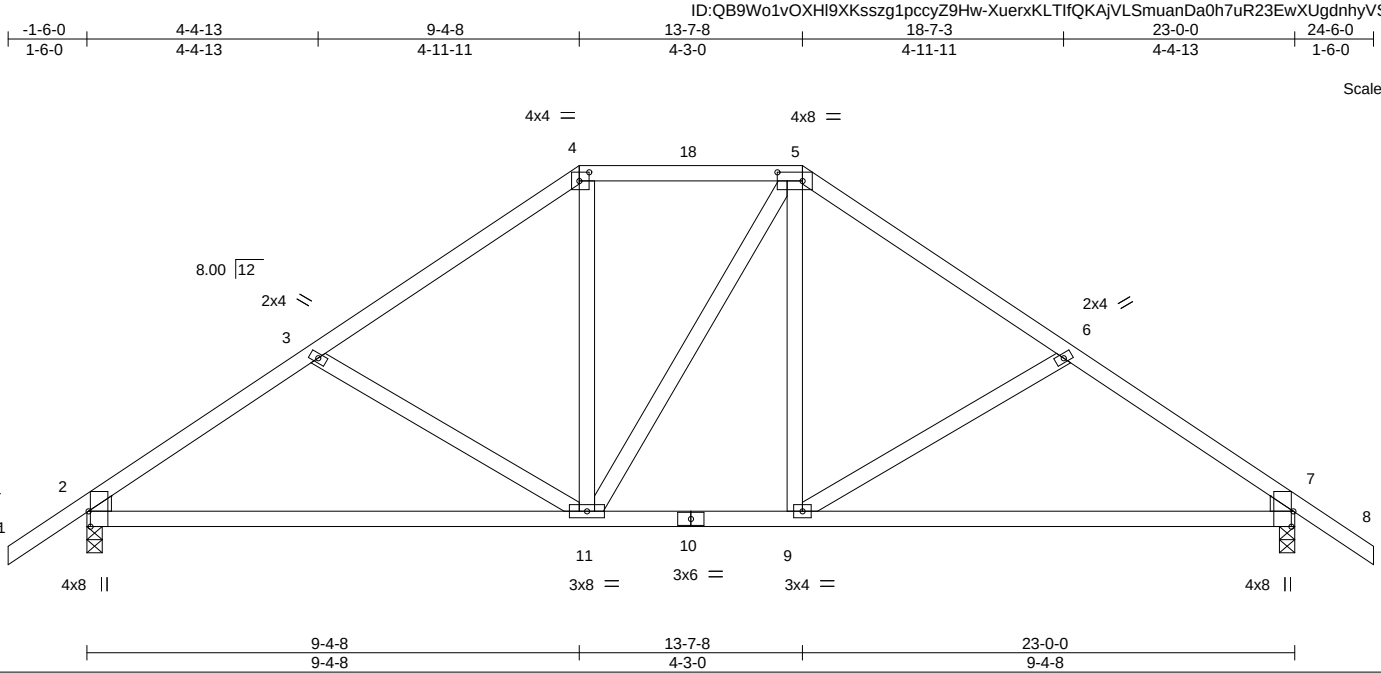


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-0-4,0-3-14], [2:0-0-2,0-0-3], [4:0-2-4,0-2-0], [5:0-5-12,0-2-0], [7:0-0-2,0-0-3], [7:0-0-4,0-3-14], [7:0-3-8,Edge]

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	0.30	Vert(LL)	-0.16	9-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.31	9-17	>886	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 128 lb	FT = 20%

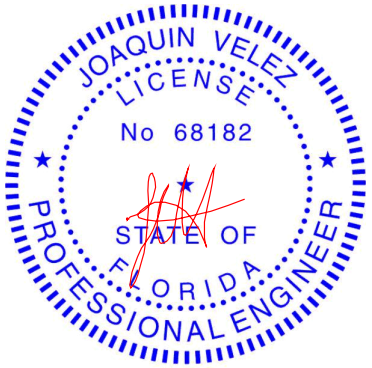
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-1-5 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-227(LC 10)
Max Uplift 2=-365(LC 12), 7=-365(LC 13)
Max Grav 2=932(LC 1), 7=932(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1170/556, 3-4=-955/476, 4-5=-777/463, 5-6=-955/476, 6-7=-1170/556
BOT CHORD 2-11=-409/929, 9-11=-135/731, 7-9=-341/929
WEBS 3-11=-345/267, 4-11=-96/312, 5-9=-96/312, 6-9=-345/268

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=365, 7=365.



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Date:

October 8,2020

MiTek
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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T09	Hip	1	1	T21529592
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:31 2020 Page 1
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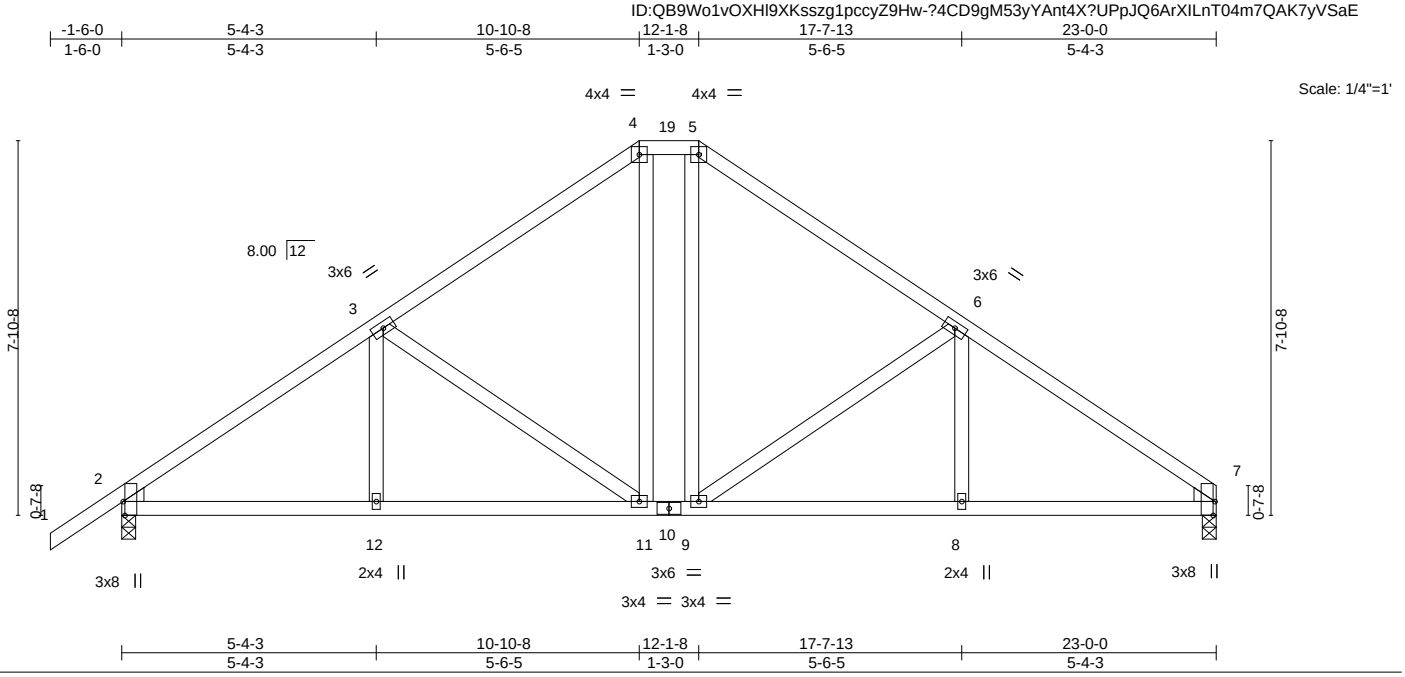


Plate Offsets (X,Y)-- [2:0-0-2,0-0-3], [2:0-0-4,0-3-14], [2:0-3-8,Edge], [7:0-0-2,0-0-3], [7:0-0-4,0-3-14], [7:0-3-8,Edge]

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	0.34	Vert(LL)	0.06	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.10	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 131 lb	FT = 20%

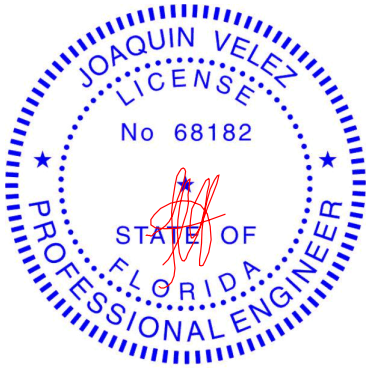
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-1-12 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=247(LC 11)
Max Uplift 2=-359(LC 12), 7=-307(LC 13)
Max Grav 2=935(LC 1), 7=848(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1189/519, 3-4=-873/465, 4-5=-770/456, 5-6=-873/466, 6-7=-1201/526
BOT CHORD 2-12=-406/972, 11-12=-406/972, 9-11=-152/656, 8-9=-348/940, 7-8=-348/940
WEBS 3-11=-453/308, 4-11=-144/322, 5-9=-144/321, 6-9=-447/320

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=359, 7=307.



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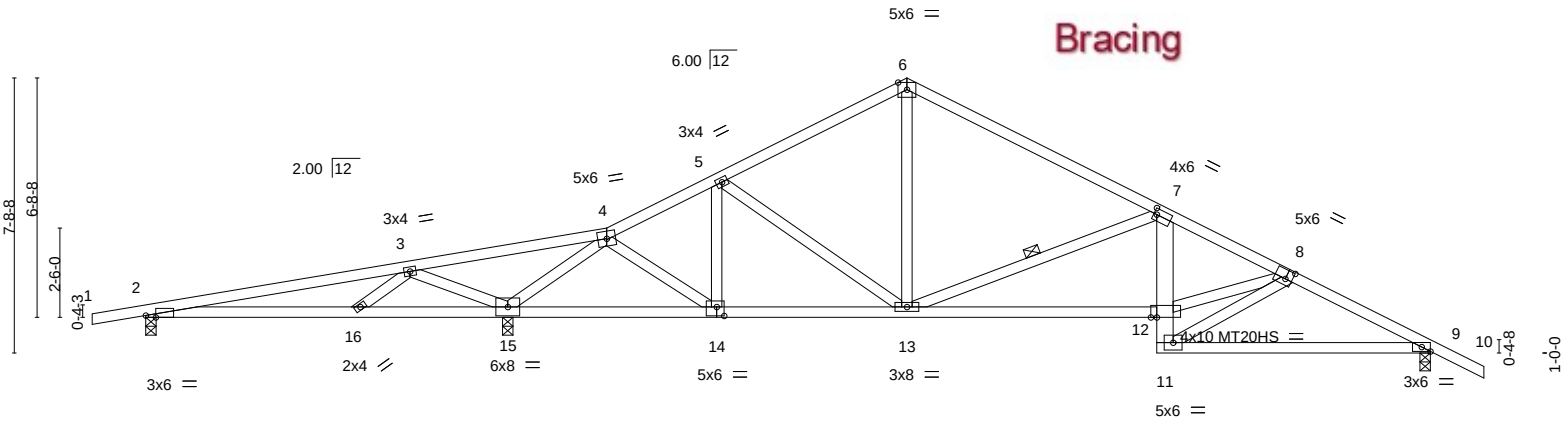
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T10	Roof Special	4	1	T21529593
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:32 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-THmbM0NjqGg1P1ejZBw2sefGDwboWuAD_n9ksZyVSaD

-1-6-0	7-4-14	12-11-0	16-0-0	21-4-0	28-4-0	31-11-14	36-0-0	37-6-0
1-6-0	7-4-14	5-6-2	3-1-0	5-4-0	7-0-0	3-7-14	4-0-3	1-6-0

Scale: 3/16"=1'



6-0-2	10-1-12	16-0-0	21-4-0	28-4-0	36-0-0
6-0-2	4-1-10	5-10-4	5-4-0	7-0-0	7-8-0

Plate Offsets (X,Y)-- [2:0-3-6,Edge], [7:0-1-0,0-2-0], [8:0-2-4,0-3-0], [9:0-2-15,Edge], [12:0-2-0,0-0-0], [14:0-2-8,0-3-0]

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	0.68	Vert(LL)	-0.11	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.25	12-13	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 187 lb	FT = 20%

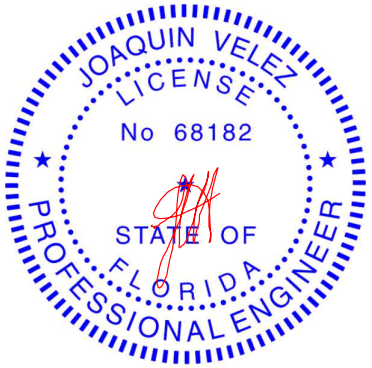
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
7-11: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-13

REACTIONS. (size) 2=0-3-8, 9=0-3-8, 15=0-3-8
Max Horz 2=-208(LC 13)
Max Uplift 2=-316(LC 8), 9=-417(LC 13), 15=-614(LC 12)
Max Grav 2=306(LC 23), 9=965(LC 1), 15=1591(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-90/428, 3-4=-799/1157, 4-5=-908/439, 5-6=-961/553, 6-7=-995/540, 7-8=-1731/878, 8-9=-1584/838
BOT CHORD 2-16=-335/235, 15-16=-384/230, 14-15=-104/401, 13-14=-237/789, 12-13=-739/1732, 11-12=-244/644, 7-12=-109/443, 9-11=-642/1381
WEBS 3-16=-427/342, 3-15=-891/959, 4-15=-1794/1075, 5-14=-265/244, 6-13=-213/506, 7-13=-995/653, 8-12=-409/1133, 8-11=-1110/506, 4-14=-346/624

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=316, 9=417, 15=614.



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

October 8,2020

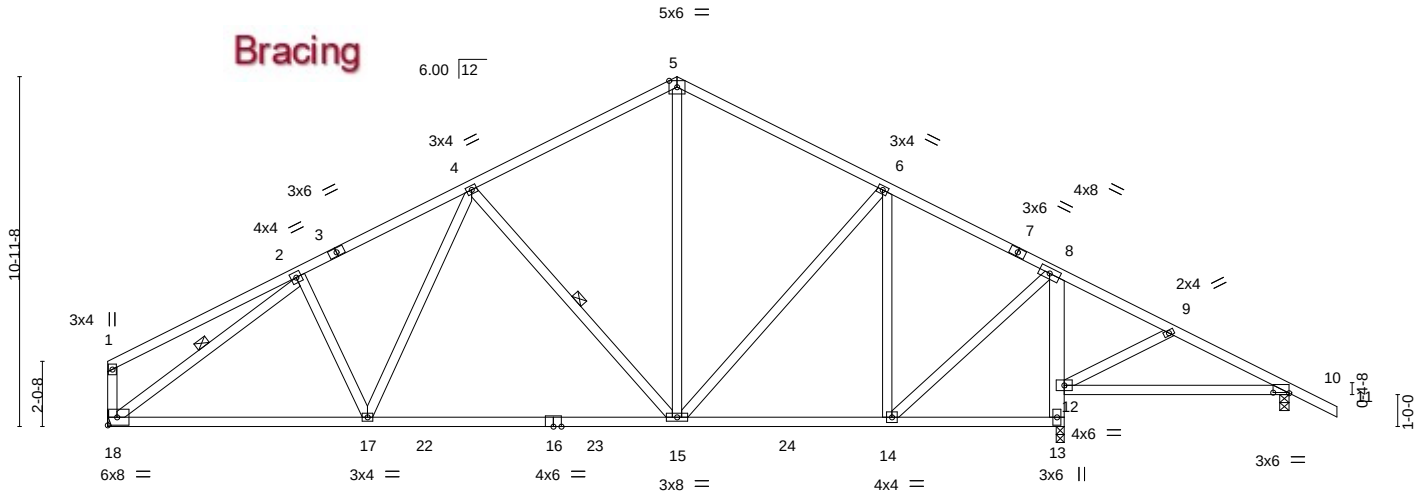
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES. T21529594
2500817	T11	Roof Special	6	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:33 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-yTKzZMNLbaou1BDw7vRHOrCUnKs6FIQMDRvHO0yVSaC

6-0-7	11-4-13	17-10-0	24-5-0	29-11-8	33-2-13	37-0-0	38-6-0
6-0-7	5-4-6	6-5-3	6-7-0	5-6-8	3-3-5	3-9-3	1-6-0

Scale = 1:72.2



8-1-10	17-10-0	24-5-0	29-11-8	37-0-0
8-1-10	9-8-5	6-7-0	5-6-8	7-0-8

Plate Offsets (X,Y)-- [10:0-6-0,0-0-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	0.10	12-21	>918	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.50	15-17	>713	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 232 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except*
	8-13: 2x6 SP No.2
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-0-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 4-15, 2-18

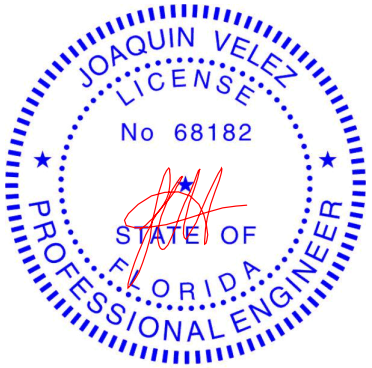
REACTIONS. (size) 13=0-3-0, 10=0-3-8, 18=Mechanical
Max Horz 18=-253(LC 13)
Max Uplift 13=-487(LC 13), 10=-169(LC 13), 18=-413(LC 12)
Max Grav 13=1482(LC 1), 10=284(LC 24), 18=1070(LC 1)

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

TOP CHORD	2-4=-1275/804, 4-5=-878/659, 5-6=-881/658, 6-8=-726/514
BOT CHORD	17-18=-523/1130, 15-17=-406/1044, 14-15=-144/602, 12-13=-1434/965, 8-12=-1249/692
WEBS	4-17=-106/294, 4-15=-474/400, 5-15=-303/451, 6-15=-48/281, 6-14=-532/318, 8-14=-430/979, 9-12=-254/316, 2-18=-1309/659

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch right 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) 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) 13=487, 10=169, 18=413.



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Date:

October 8,2020

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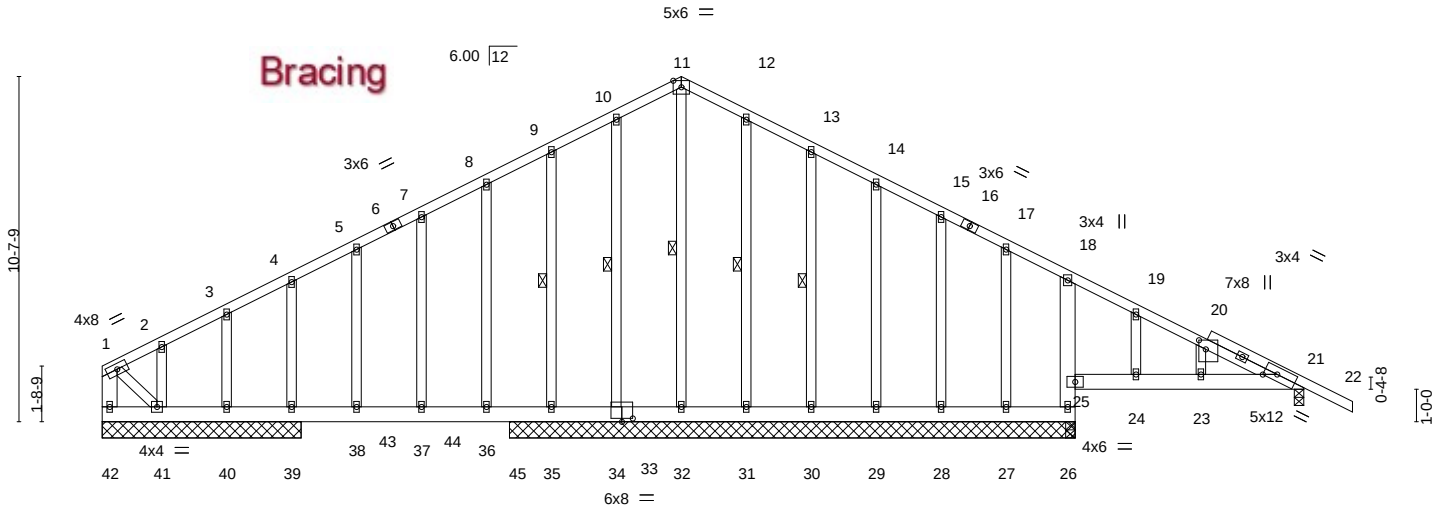
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES. T21529595
2500817	T11G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:35 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-urRk_1Pc7B2cGUNIEJTlUGHsd8hFjLcfhlOOTuyVSaA

17-10-0 | 29-11-8 | 37-0-0 | 38-6-0
17-10-0 | 12-1-8 | 7-0-8 | 1-6-0

Scale = 1:70.9



12-6-8 | 29-11-8 | 37-0-0
12-6-8 | 17-5-0 | 7-0-8

Plate Offsets (X,Y)-- [20:0-3-6,0-2-8], [21:0-4-12,Edge], [33:0-0-0,0-2-12], [33:0-4-0,0-1-4], [34:0-1-12,0-0-0]

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	0.28	Vert(LL)	0.05	37	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.06	37	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	0.01	21	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 304 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x6 SP No.2 *Except* 1-41: 2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 25-26,24-25,23-24,21-23.
WEBS	1 Row at midpt 11-32, 10-34, 9-35, 12-31, 13-30

REACTIONS. All bearings 17-5-0 except (jt=length) 42=6-1-8, 21=0-3-8, 39=6-1-8, 40=6-1-8, 41=6-1-8.
(lb) - Max Horz 42=-238(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 31, 30, 29, 28 except 42=-108(LC 39), 25=-237(LC 35), 21=-116(LC 5), 34=-115(LC 40), 35=-383(LC 8), 39=-389(LC 8), 40=-133(LC 40), 41=-343(LC 8), 27=-124(LC 35)
Max Grav All reactions 250 lb or less at joint(s) 26, 26, 34, 40, 31, 30, 29, 28, 27 except 42=296(LC 8), 25=339(LC 27), 21=331(LC 1), 32=284(LC 43), 35=568(LC 19), 39=571(LC 1), 41=260(LC 40)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-42=-271/108, 9-10=-23/262, 10-11=-9/283, 11-12=0/274
WEBS 1-41=-97/287

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch right exposed; 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) na
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 25 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 31, 30, 29, 28 except (jt=lb) 42=108, 25=237, 21=116, 34=115, 35=383, 39=389, 40=133, 41=343, 27=124.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 16 lb down and 4 lb up at 5-10-12, 36 lb down and 29 lb up at 7-10-12, 36 lb down and 29 lb up at 8-9-4, and 36 lb down and 29 lb up at 10-9-4, and 16 lb down and 4 lb up at 12-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

LOAD CASE(S) Standard

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Date: October 8,2020

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6904 Parke East Blvd.
Tampa, FL 36610

LOAD CASE(S) Standard

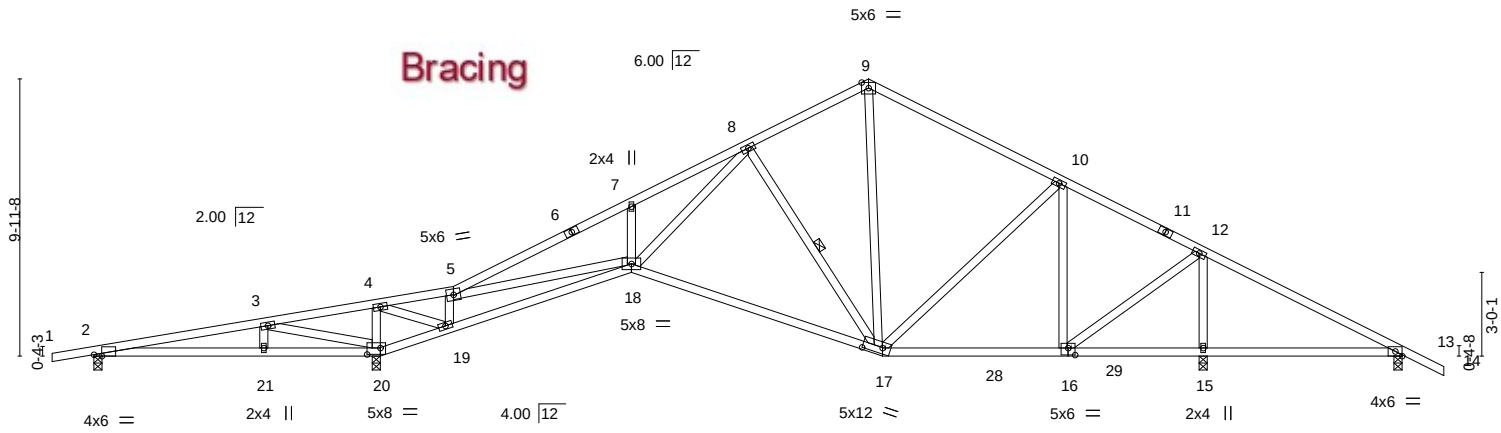
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-11=-54, 11-22=-54, 26-42=-20, 21-25=-20
   Concentrated Loads (lb)
   Vert: 38=1(B) 39=1(B) 43=1(B) 44=1(B) 45=1(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T12	Roof Special	6	1	T21529596
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:37 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-qEZUPjRsfoJKWoXhMkWDZhM5FxEQB5ky83tVXnyVSa8

1-6-0 6-1-4 10-3-8 12-11-0 19-3-12 23-6-1 27-10-0 34-9-13 39-10-4 47-0-0 48-6-0
1-6-0 6-1-4 4-2-4 2-7-8 6-4-12 4-2-5 4-3-14 6-11-14 5-0-7 7-1-12 1-6-0

Scale = 1:82.8



6-1-4 10-0-0 10-3-8 12-11-0 19-3-12 28-4-0 34-9-13 39-10-4 47-0-0
6-1-4 3-10-12 0-5-8 2-7-8 6-4-12 9-0-4 6-5-13 5-0-7 7-1-12

Plate Offsets (X,Y)-- [2:0-3-6,Edge], [16:0-3-0,0-3-0], [17:0-8-8,0-2-8], [20:0-5-12,0-2-12]

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	0.72	Vert(LL)	0.17	15-27	>515	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.63	17-18	>567	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.11	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 251 lb	FT = 20%

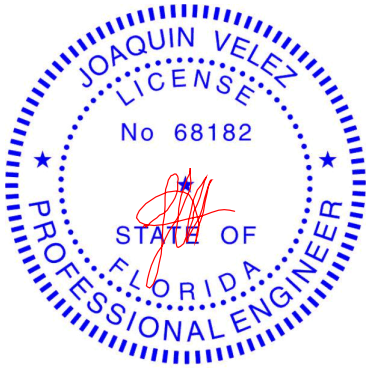
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-6-1 oc bracing.
WEBS 1 Row at midpt 8-17

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-227(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-345(LC 8), 20=-735(LC 12), 15=-533(LC 13), 13=-235(LC 10)
Max Grav All reactions 250 lb or less at joint(s) 2, 13 except 20=1728(LC 1), 15=1727(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-246/808, 3-4=-877/1496, 5-7=-2129/919, 7-8=-2116/1092, 8-9=-642/566, 9-10=-698/556, 10-12=-443/389, 12-13=-296/810
BOT CHORD 2-21=-693/205, 20-21=-693/205, 19-20=-1623/1087, 18-19=-48/364, 17-18=-284/968, 16-17=-43/354, 15-16=-643/320, 13-15=-643/320
WEBS 3-20=-1101/1217, 4-20=-914/483, 4-19=-755/1600, 5-19=-957/547, 5-18=-829/1778, 7-18=-315/352, 8-18=-605/1386, 8-17=-664/393, 9-17=-236/312, 10-17=-95/347, 10-16=-637/330, 12-16=-402/1204, 12-15=-1549/786

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 3x6 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 345 lb uplift at joint 2, 735 lb uplift at joint 20, 533 lb uplift at joint 15 and 235 lb uplift at joint 13.



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Date:

October 8,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES. T21529597
2500817	T12G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:39 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-mdhEqPS6BQZ2l6h3T9Yhe6SS3l_Jf0mFbNMbcfyVSa6

1-6-0	7-2-2	12-11-0	16-0-0	21-4-0	27-10-0	35-9-9	39-10-4	47-0-0	48-6-0
1-6-0	7-2-2	5-8-14	3-1-0	5-4-0	6-6-0	7-11-9	4-0-11	7-1-12	1-6-0

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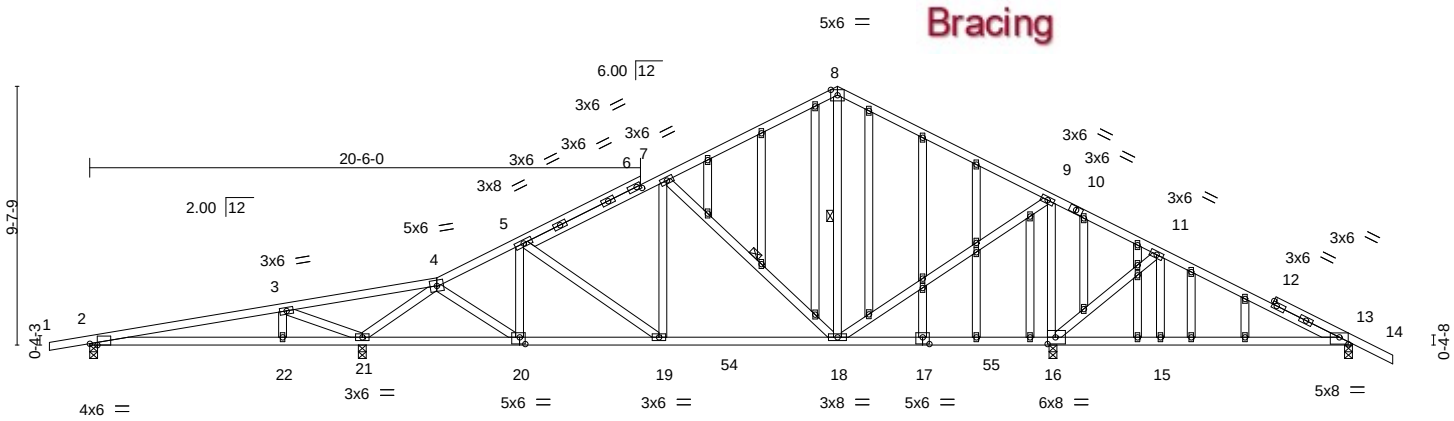


7-2-2	10-1-12	16-0-0	21-4-0	27-10-0	35-8-8	35-9-9	39-10-4	47-0-0
7-2-2	2-11-10	5-10-4	5-4-0	6-6-0	7-10-8	0-1-1	4-0-11	7-1-12

Plate Offsets (X,Y)-- [2:0-3-6,Edge], [6:0-2-0,0-1-8], [13:0-4-0,0-3-1], [16:0-3-8,0-3-0], [17:0-3-0,0-3-0], [20:0-2-8,0-3-0]

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	0.64	Vert(LL)	-0.08	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.17	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.02	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 338 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-

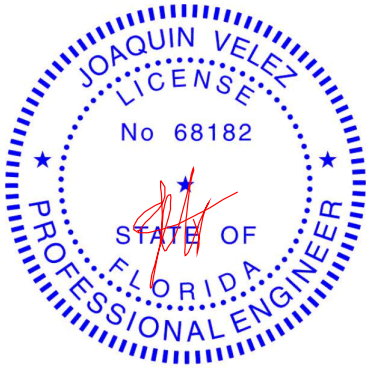
TOP CHORD	Structural wood sheathing directly applied or 5-6-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 7-18, 8-18

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-221(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-237(LC 8), 21=-630(LC 12), 13=-156(LC 13), 16=-590(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=328(LC 23), 21=1428(LC 1), 13=345(LC 24), 16=1570(LC 1)

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

TOP CHORD	2-3=-140/261, 3-4=-463/847, 4-5=-882/519, 5-7=-858/535, 7-8=-509/414, 8-9=-530/399, 9-11=-156/432
BOT CHORD	20-21=-215/475, 19-20=-329/800, 18-19=-285/795, 16-18=-333/397
WEBS	3-21=-1006/608, 4-21=-1556/869, 4-20=-140/438, 7-18=-513/401, 9-18=-346/862, 9-16=-1201/740, 11-16=-401/274

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 237 lb uplift at joint 2, 630 lb uplift at joint 21, 156 lb uplift at joint 13 and 590 lb uplift at joint 16.



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

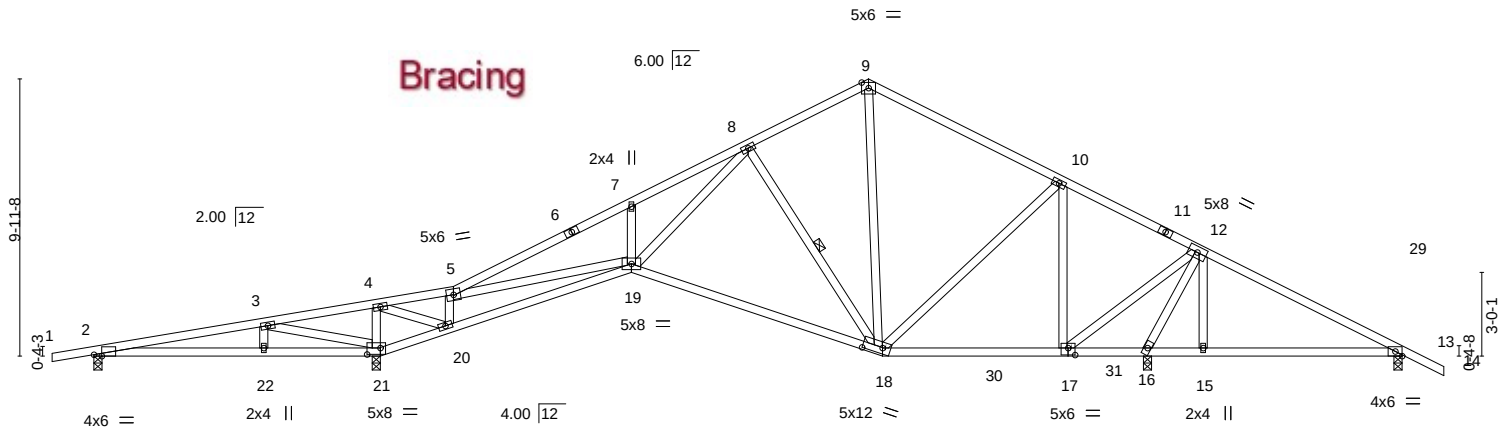
October 8,2020

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T13	Roof Special	4	1	T21529598
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:41 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-j?p?F5UNj1pm_PqSbaa9jXXmqZaG7vfY3hrigYyVSa4

1-6-0	6-1-4	10-3-8	12-11-0	19-3-12	23-6-1	27-10-0	34-9-13	39-10-4	47-0-0	48-6-0
1-6-0	6-1-4	4-2-4	2-7-8	6-4-12	4-2-5	4-3-15	6-11-13	5-0-7	7-1-12	1-6-0

Scale = 1:82.8



6-1-4	10-0-0	10-3-8	12-11-0	19-3-12	28-4-0	34-9-13	37-10-4	39-10-4	47-0-0
6-1-4	3-10-12	0-5-8	2-7-8	6-4-12	9-0-4	6-5-13	3-0-7	2-0-0	7-1-12

Plate Offsets (X,Y)-- [2:0-3-6,Edge], [17:0-3-0,0-3-0], [18:0-8-8,0-2-8], [21:0-5-12,0-2-12]

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	0.81	Vert(LL)	0.18	15-28	>632	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.61	18-19	>537	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.10	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 256 lb	FT = 20%

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

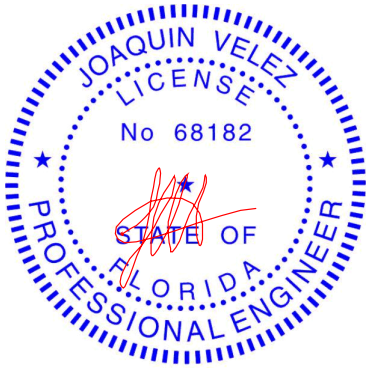
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-7-6 oc bracing.
WEBS 1 Row at midpt 8-18

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-227(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-342(LC 8), 21=-716(LC 12), 16=-550(LC 12), 13=-261(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 2 except 21=1665(LC 1), 16=1728(LC 1), 13=335(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-226/756, 3-4=-859/1429, 5-7=-1968/866, 7-8=-1956/1040, 8-9=-550/537, 9-10=-618/518, 10-12=-278/277, 12-13=-169/469
BOT CHORD 2-22=-642/192, 21-22=-642/192, 20-21=-1550/1069, 19-20=-50/361, 18-19=-253/866, 16-17=-1188/662, 15-16=-341/211, 13-15=-339/212
WEBS 3-21=-1096/1216, 4-21=-875/470, 4-20=-728/1517, 5-20=-902/529, 5-19=-791/1649, 7-19=-317/354, 8-19=-585/1316, 8-18=-634/384, 10-18=-159/479, 10-17=-896/495, 12-17=-742/1611, 12-16=-1960/1342, 12-15=-311/277

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 3x6 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 342 lb uplift at joint 2, 716 lb uplift at joint 21, 550 lb uplift at joint 16 and 261 lb uplift at joint 13.
7) 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: 1-5=-54, 5-9=-54, 9-29=-64(F=-10), 14-29=-54, 21-23=-20, 19-21=-20, 18-19=-20, 18-26=-20



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October 8,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T14	Hip Girder	1	1	T21529599
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:42 2020 Page 1
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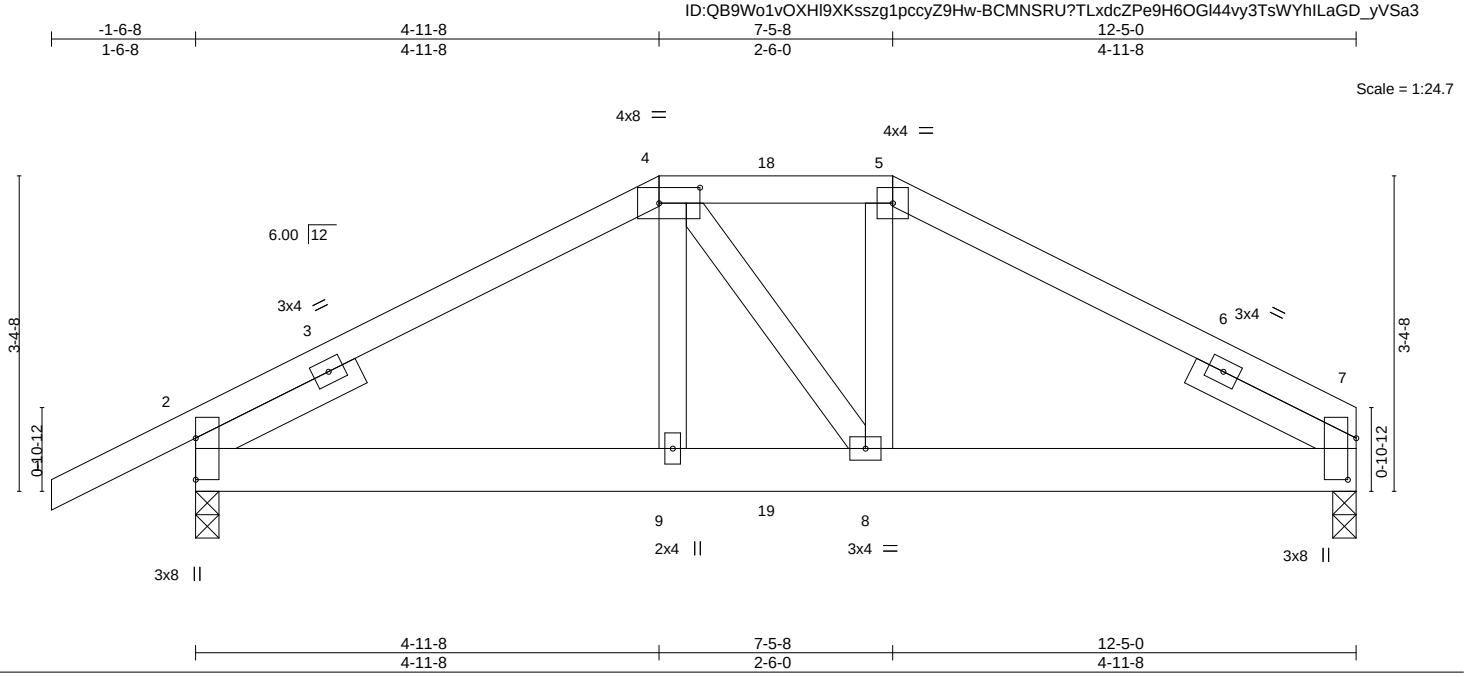


Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [7:0-5-5,0-1-1]

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)	0.03	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.04	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 71 lb	FT = 20%

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

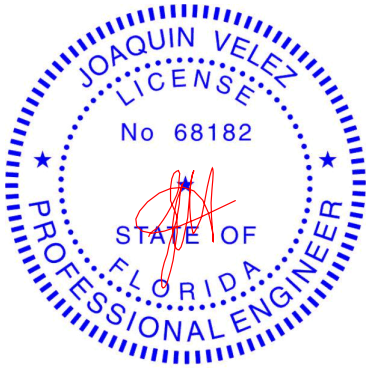
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-3-0, 2=0-3-0
Max Horz 2=85(LC 12)
Max Uplift 7=-402(LC 9), 2=-462(LC 8)
Max Grav 7=705(LC 1), 2=794(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-987/628, 4-5=-867/598, 5-7=-1008/633
BOT CHORD 2-9=-527/839, 8-9=-531/847, 7-8=-511/859

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 402 lb uplift at joint 7 and 462 lb uplift at joint 2.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 76 lb down and 109 lb up at 4-11-8, and 57 lb down and 99 lb up at 6-2-8, and 131 lb down and 189 lb up at 7-5-8 on top chord, and 138 lb down and 103 lb up at 4-11-8, and 45 lb down and 27 lb up at 6-2-8, and 138 lb down and 103 lb up at 7-4-12 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: 1-4=-54, 4-5=-54, 5-7=-54, 10-14=-20
Concentrated Loads (lb)
Vert: 4=-57(F) 5=-84(F) 9=-131(F) 8=-131(F) 18=-57(F) 19=-37(F)



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T15	Common	3	1	T21529600 Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:42 2020 Page 1
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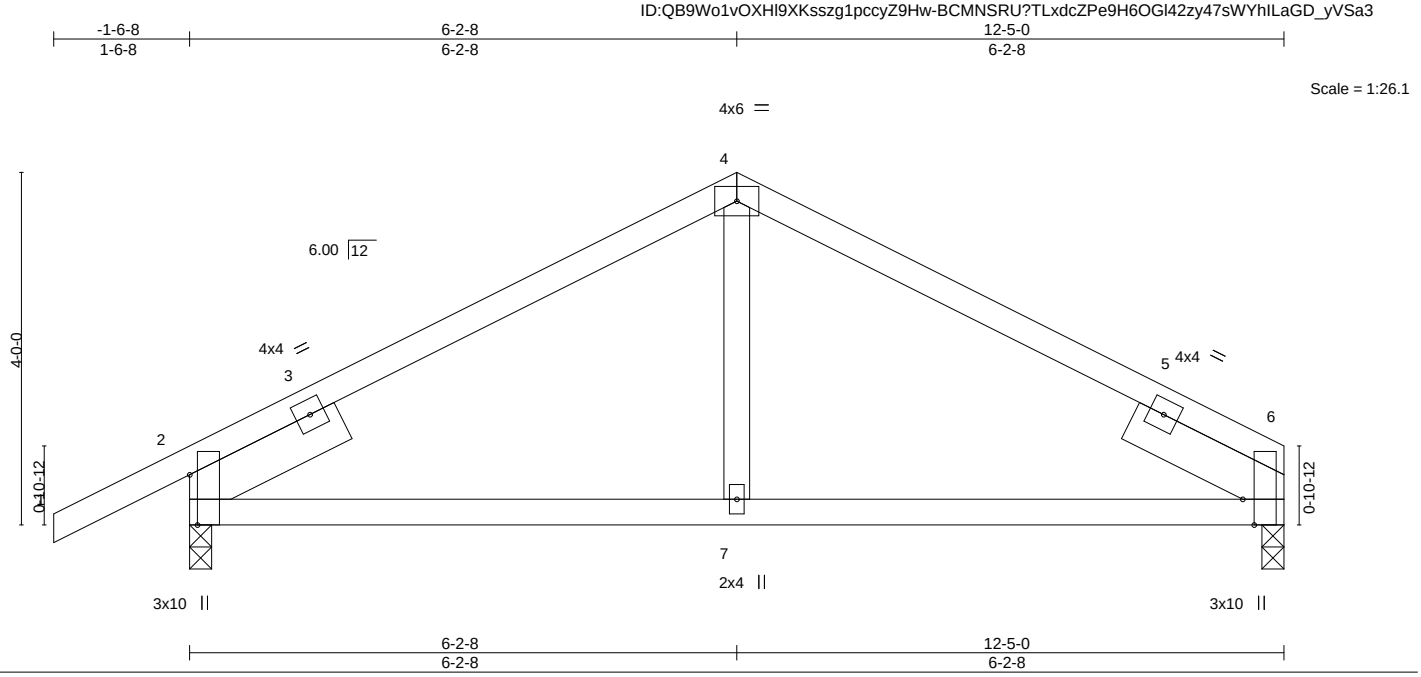


Plate Offsets (X,Y)-- [2:0-6-13,Edge], [6:0-3-8,Edge]

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	0.34	Vert(LL)	0.05	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.06	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 56 lb	FT = 20%

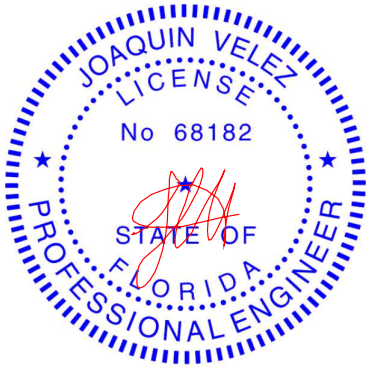
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

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

REACTIONS. (size) 6=0-3-0, 2=0-3-0
Max Horz 2=97(LC 16)
Max Uplift 6=-168(LC 13), 2=-223(LC 12)
Max Grav 6=454(LC 1), 2=548(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-474/346, 4-6=-474/344
BOT CHORD 2-7=-195/424, 6-7=-195/424

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) 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 168 lb uplift at joint 6 and 223 lb uplift at joint 2.



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October 8,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	T16	COMMON GIRDER	1	2	T21529601
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:44 2020 Page 1
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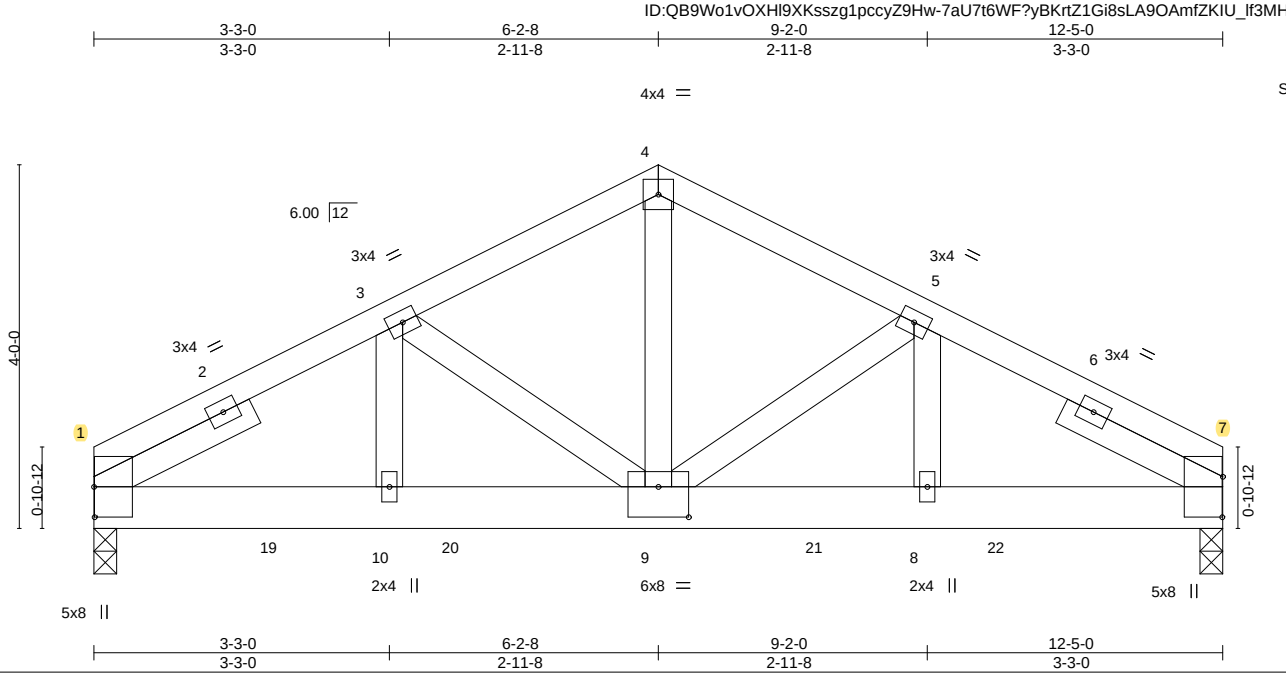


Plate Offsets (X,Y)-- [1:0-4-0,0-0-1], [7:0-5-5,0-0-1], [9:0-4-0,0-4-0]

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	0.36	Vert(LL)	-0.05	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.09	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 151 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 1=0-3-0, 7=0-3-0
Max Horz 1=-65(LC 13)
Max Uplift 1=-1257(LC 8), 7=-1595(LC 9)
Max Grav 1=3183(LC 1), 7=4039(LC 1)

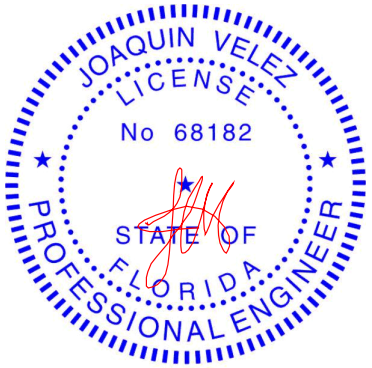
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	1-3=-4523/1799, 3-4=-3757/1506, 4-5=-3758/1507, 5-7=-4666/1856
BOT CHORD	1-10=-1587/3936, 9-10=-1587/3936, 8-9=-1575/4068, 7-8=-1575/4068
WEBS	4-9=-1199/3030, 5-9=-899/430, 5-8=-402/1055, 3-9=-736/364, 3-10=-342/908

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.
   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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1257 lb uplift at joint 1 and 1595 lb uplift at joint 7.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1050 lb down and 433 lb up at 2-0-4, 1050 lb down and 433 lb up at 4-0-4, 1050 lb down and 433 lb up at 6-0-4, 1050 lb down and 433 lb up at 8-0-4, and 1050 lb down and 433 lb up at 10-0-4, and 1056 lb down and 427 lb up at 12-0-4 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, 4-7=-54, 11-15=-20



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Date: October 8,2020

Continued on page 2

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Tampa, FL 36610

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 9=-1050(B) 17=-1056(B) 19=-1050(B) 20=-1050(B) 21=-1050(B) 22=-1050(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	V01	Valley	1	1	T21529602 Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:45 2020 Page 1
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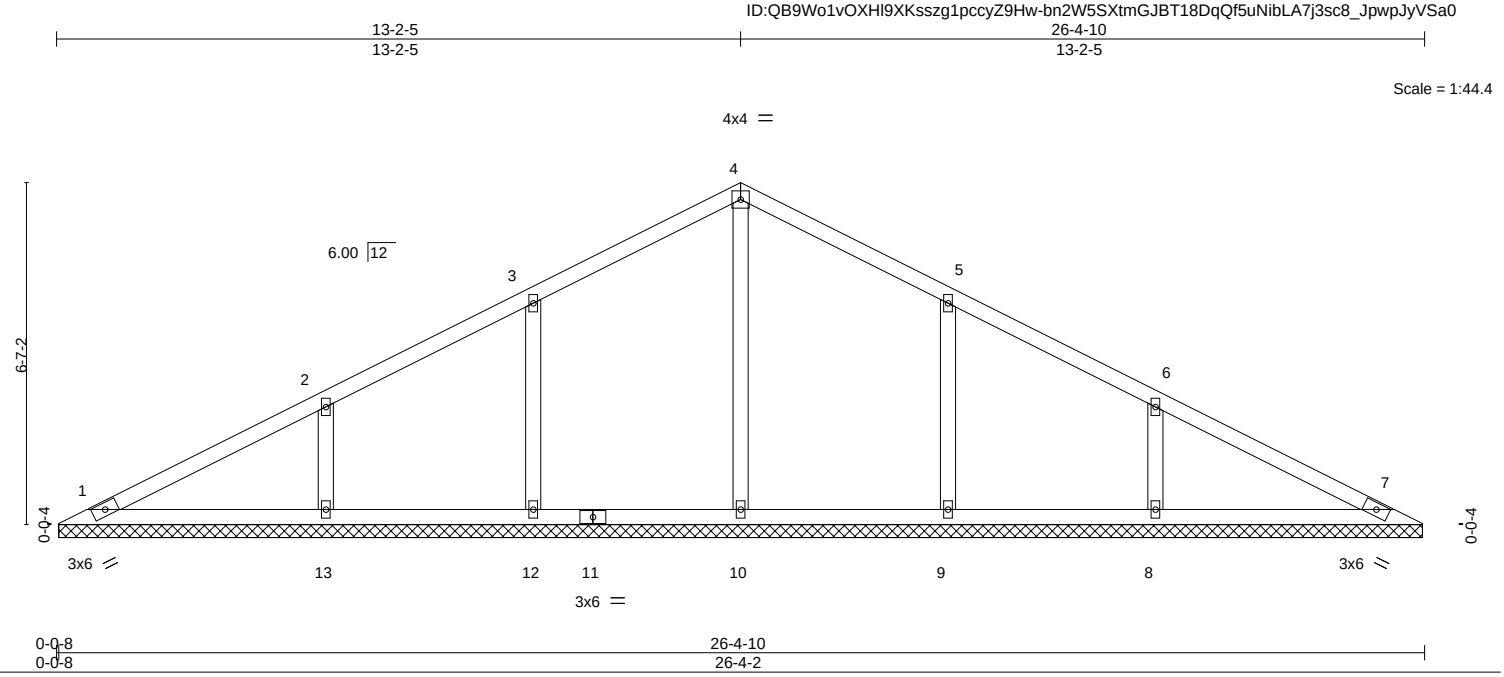


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 108 lb	FT = 20%

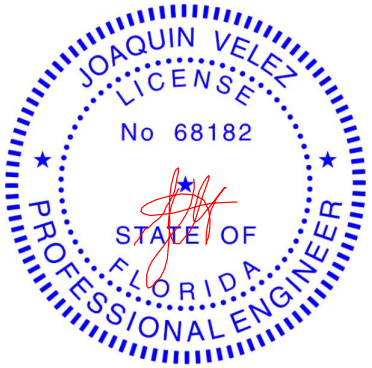
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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 26-3-10.
(lb) - Max Horz 1=132(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 12=-188(LC 12), 13=-227(LC 12), 9=-188(LC 13), 8=-227(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=381(LC 22), 12=310(LC 25), 13=364(LC 1), 9=310(LC 26), 8=364(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-13=-257/276, 6-8=-257/276

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 12=188, 13=227, 9=188, 8=227.



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Date:
October 8,2020

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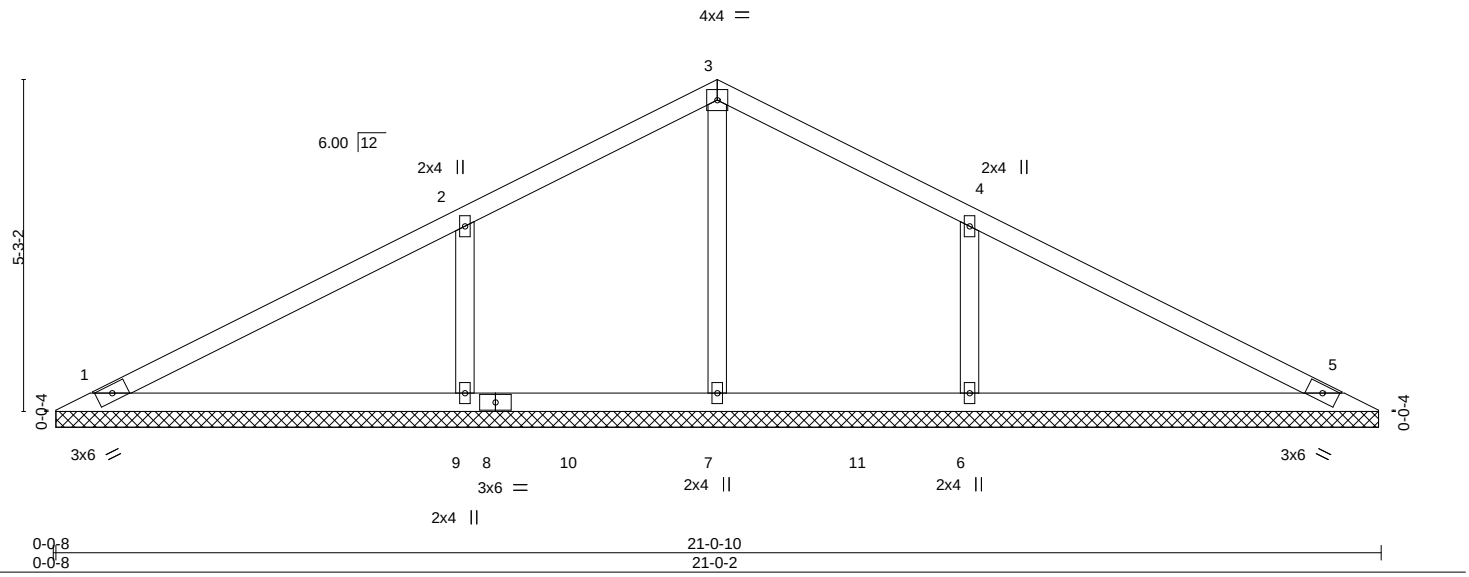
Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES. T21529603
2500817	V02	Valley	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:46 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-3zcuIoYVXZR25BjQO7AKQbEkUaRfoKMHCzYTMlyVSa?

10-6-5 / 10-6-5 — 21-0-10 / 10-6-5

Scale = 1:36.5



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 79 lb	FT = 20%

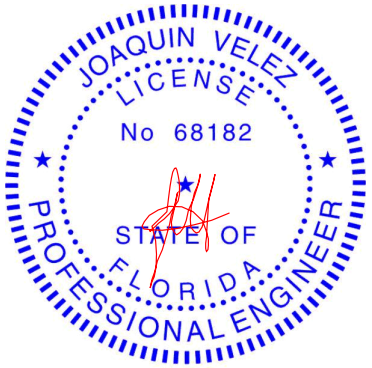
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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 20-11-10.
(lb) - Max Horz 1=104(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=-295(LC 12), 6=-294(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=282(LC 22), 9=467(LC 23), 6=467(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-332/351, 4-6=-332/351

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 9=295, 6=294.



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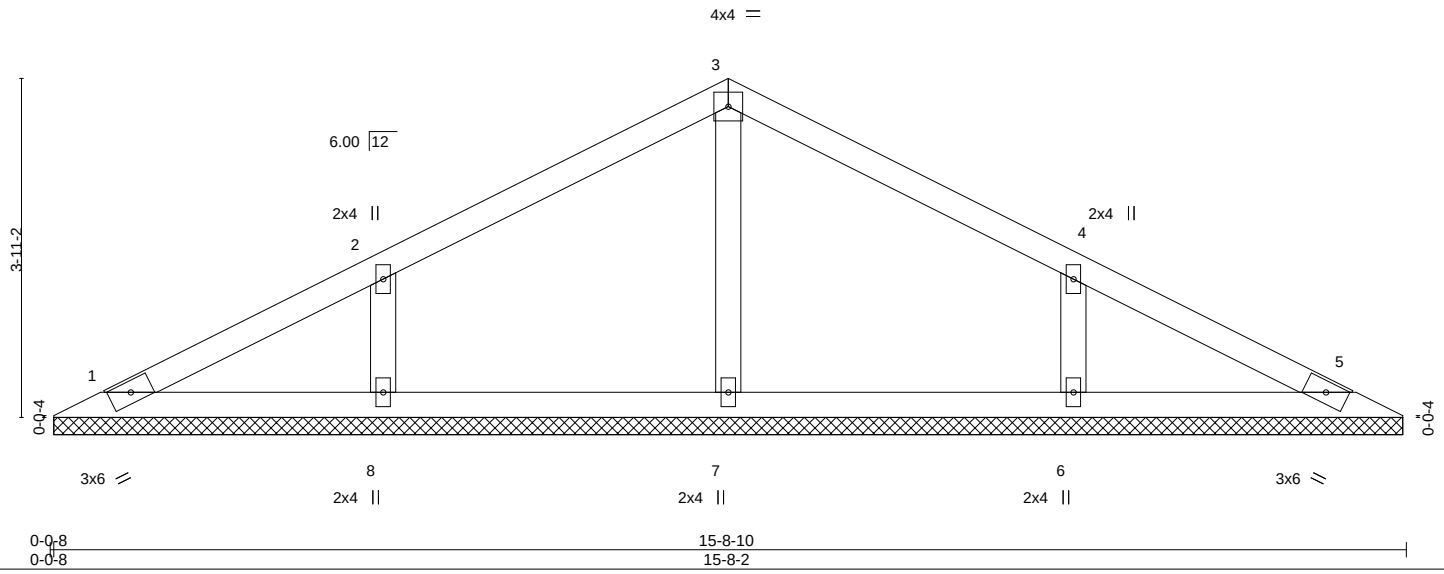
Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	V03	Valley	1	1	T21529604
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:47 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-X9AGV8Y7ItZviKIcxrhZzonyazqVXn3QRdI1uCyVSa_

7-10-5 | 15-8-10
7-10-5 | 7-10-5

Scale = 1:26.7



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	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 56 lb	FT = 20%

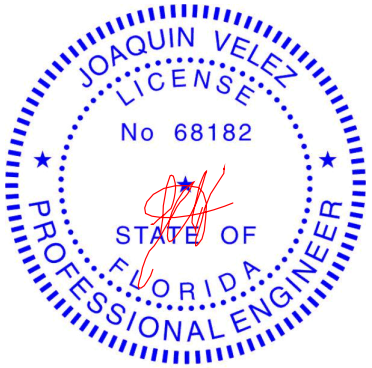
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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 15-7-10.
(lb) - Max Horz 1=76(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-203(LC 12), 6=-203(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=254(LC 1), 8=317(LC 23), 6=317(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-234/254, 4-6=-234/254

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 8=203, 6=203.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	V04	Valley	1	1	T21529605
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:47 2020 Page 1
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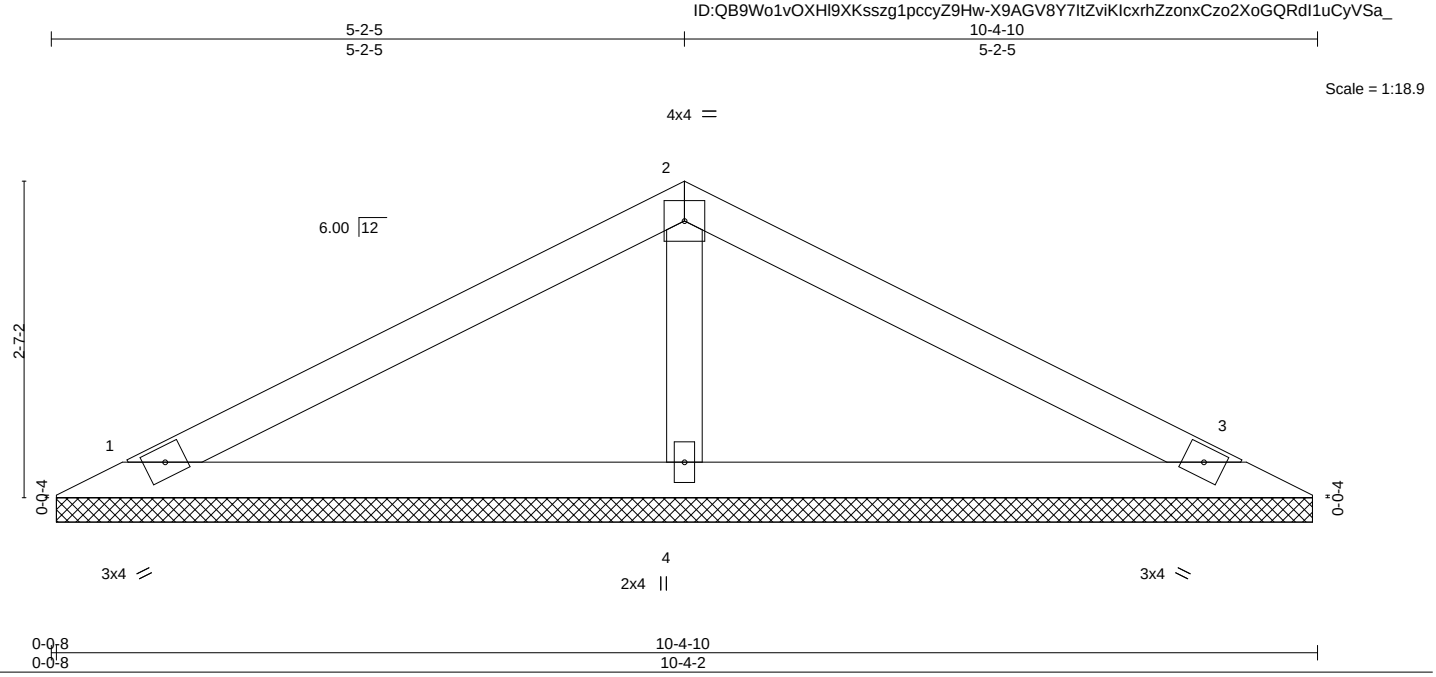


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 33 lb	FT = 20%

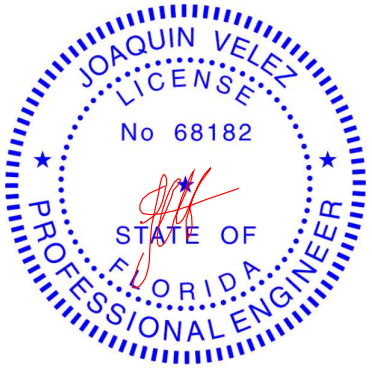
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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=10-3-10, 3=10-3-10, 4=10-3-10
Max Horz 1=-48(LC 13)
Max Uplift 1=-73(LC 12), 3=-82(LC 13), 4=-106(LC 12)
Max Grav 1=155(LC 23), 3=155(LC 24), 4=369(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3 except (jt=lb) 4=106.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MCKENZIE RES.
2500817	V05	Valley	1	1	T21529606
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 8 13:52:48 2020 Page 1
ID:QB9Wo1vOXHl9XKsszg1pccyZ9Hw-?MkejUZm3BhmKUtoVYCoV0J8VN9hGFUagH1ZPeyVSZz

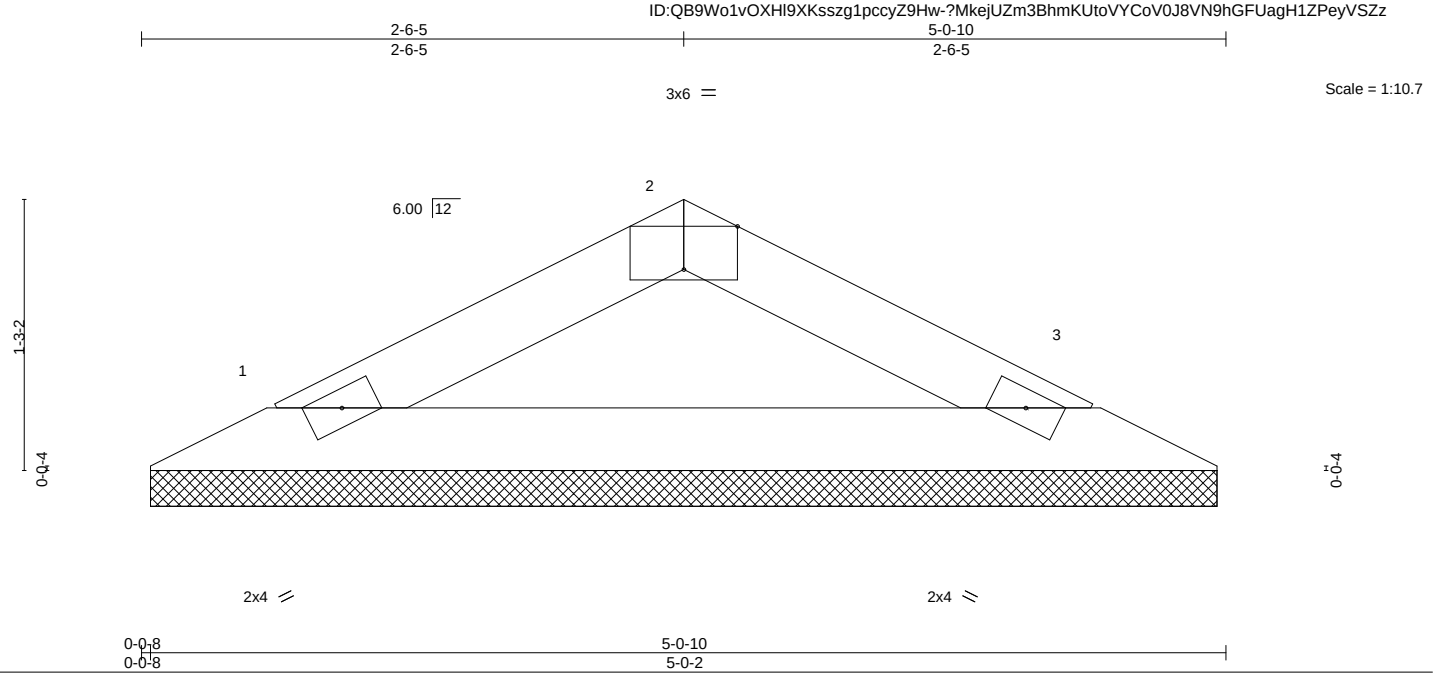


Plate Offsets (X,Y)-- [2:0-3-0,Edge]

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	0.08	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	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 14 lb	FT = 20%

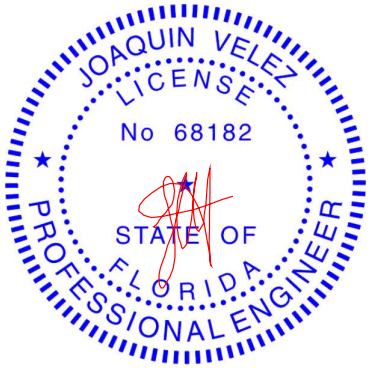
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 1=4-11-10, 3=4-11-10
Max Horz 1=20(LC 16)
Max Uplift 1=-52(LC 12), 3=-52(LC 13)
Max Grav 1=140(LC 1), 3=140(LC 1)

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

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



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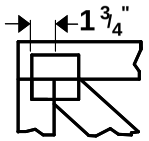
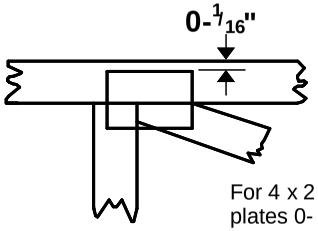
Symbols

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- 1/16" from outside edge of truss.

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

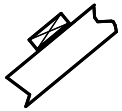
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

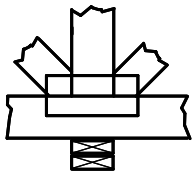
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

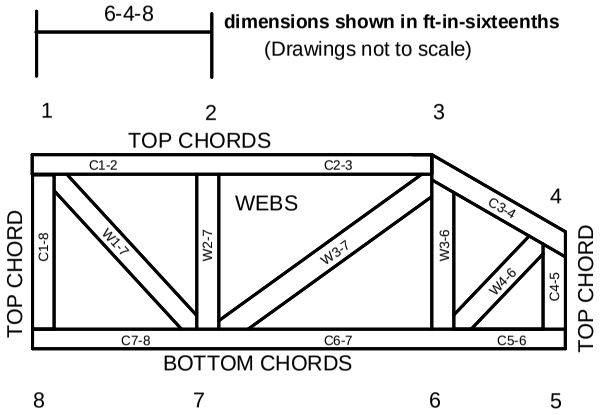


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

21.The design does not take into account any dynamic or other loads other than those expressly stated.