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

RE: 2524511 - IC CONST. - HANDY RES.

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

Site Information:
Customer Info: IC CONST. Project Name: Handy Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 292 SW Bradshaw Glen, N/A
City: Columbia Cty State: FL

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

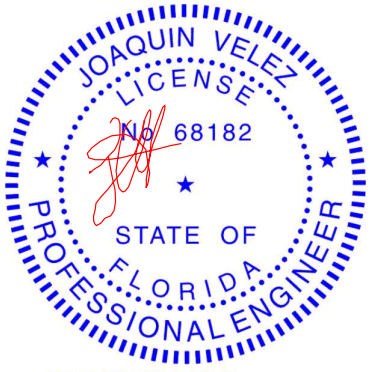
General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 42 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	T21941161	CJ01	11/19/20	23	T21941183	T08	11/19/20
2	T21941162	CJ02	11/19/20	24	T21941184	T09	11/19/20
3	T21941163	CJ03	11/19/20	25	T21941185	T09G	11/19/20
4	T21941164	CJ04	11/19/20	26	T21941186	T10	11/19/20
5	T21941165	EJ01	11/19/20	27	T21941187	T11	11/19/20
6	T21941166	EJ02	11/19/20	28	T21941188	T12	11/19/20
7	T21941167	EJ03	11/19/20	29	T21941189	T12G	11/19/20
8	T21941168	EJ04	11/19/20	30	T21941190	T13	11/19/20
9	T21941169	HJ08	11/19/20	31	T21941191	T14	11/19/20
10	T21941170	HJ09	11/19/20	32	T21941192	T14G	11/19/20
11	T21941171	PB01	11/19/20	33	T21941193	T15	11/19/20
12	T21941172	PB01G	11/19/20	34	T21941194	T16	11/19/20
13	T21941173	T01	11/19/20	35	T21941195	T17	11/19/20
14	T21941174	T01G	11/19/20	36	T21941196	T18	11/19/20
15	T21941175	T02	11/19/20	37	T21941197	T19	11/19/20
16	T21941176	T03	11/19/20	38	T21941198	T20	11/19/20
17	T21941177	T03G	11/19/20	39	T21941199	T21	11/19/20
18	T21941178	T04	11/19/20	40	T21941200	T22	11/19/20
19	T21941179	T05	11/19/20	41	T21941201	T23	11/19/20
20	T21941180	T05G	11/19/20	42	T21941202	T24	11/19/20
21	T21941181	T06	11/19/20				
22	T21941182	T07	11/19/20				

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.



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Date: November 19,2020

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. - HANDY RES.
2524511	CJ01	Jack-Open	4	1	T21941161
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:41 2020 Page 1
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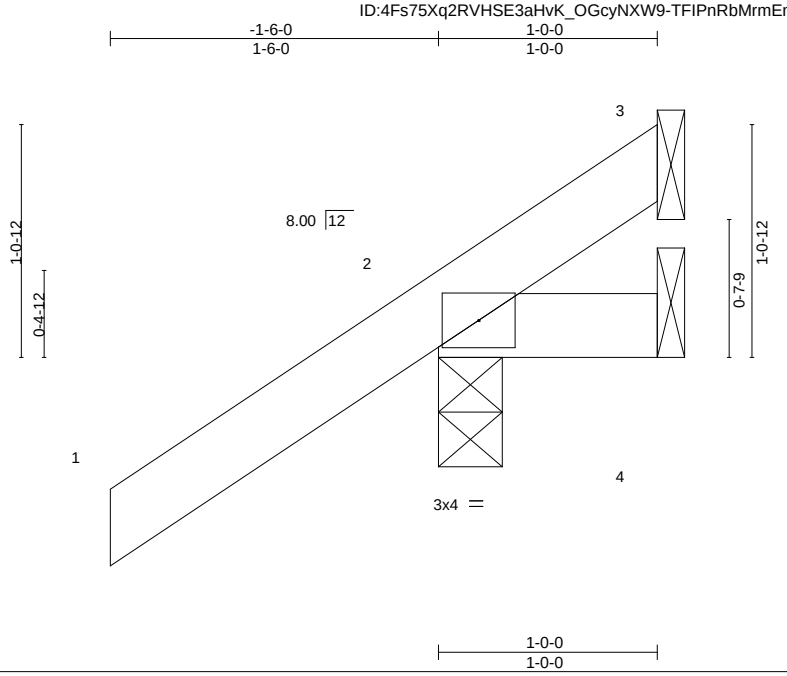


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014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

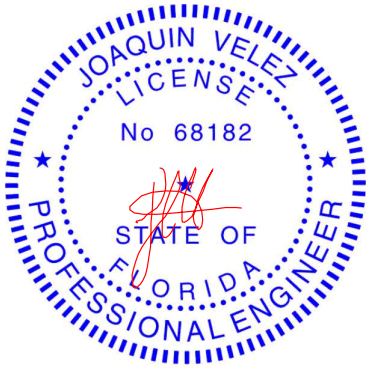
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-0-0 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=74(LC 12)
Max Uplift 3=-5(LC 1), 2=-109(LC 12), 4=-20(LC 1)
Max Grav 3=10(LC 8), 2=179(LC 1), 4=30(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 5 lb uplift at joint 3, 109 lb uplift at joint 2 and 20 lb uplift at joint 4.



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November 19,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	CJ02	Jack-Open	2	1	T21941162
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:42 2020 Page 1
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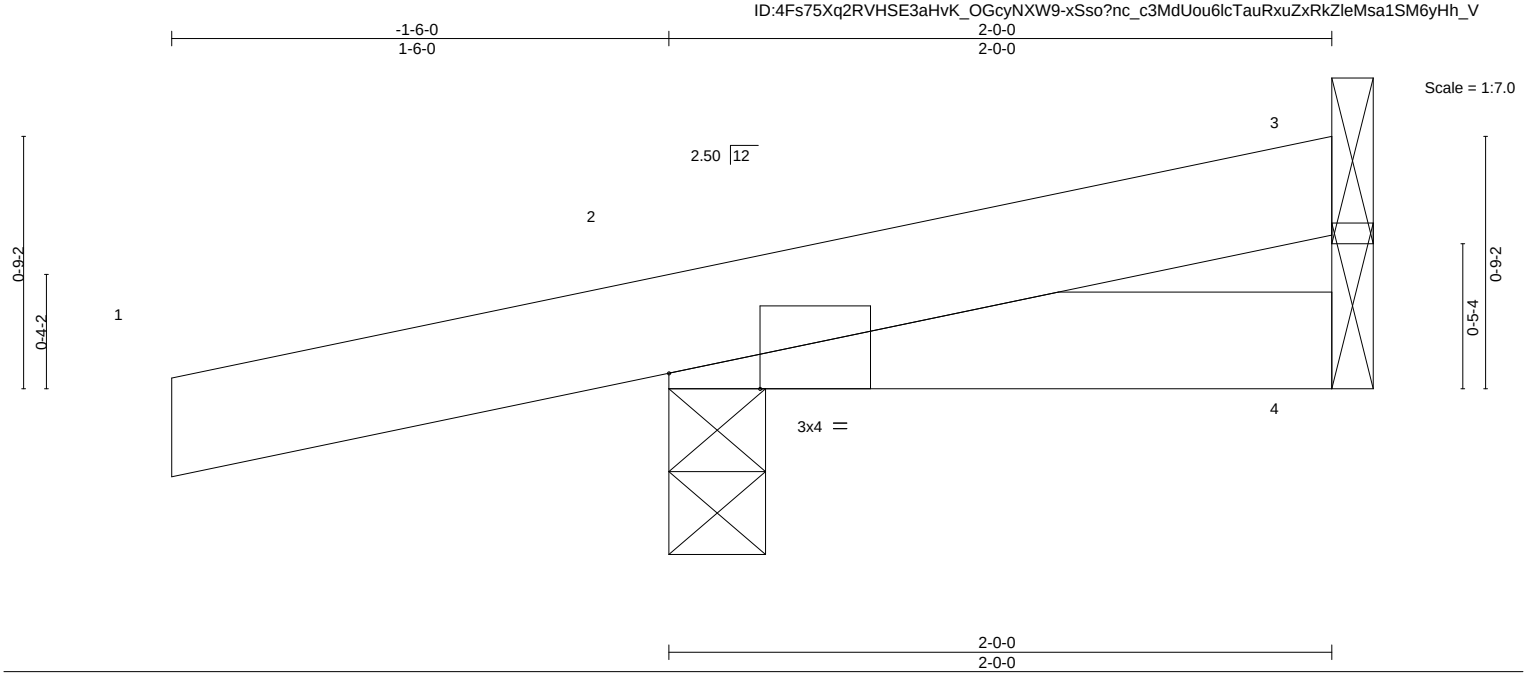


Plate Offsets (X,Y)-- [2:0-3-5,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	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%

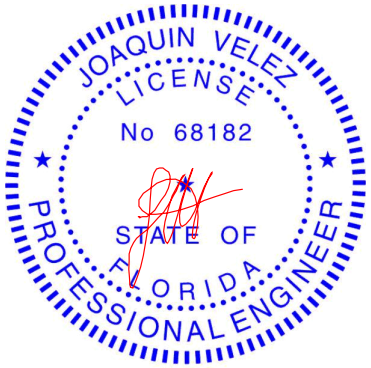
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 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=40(LC 8)
Max Uplift 3=-18(LC 8), 2=-172(LC 8), 4=-15(LC 9)
Max Grav 3=28(LC 1), 2=185(LC 1), 4=26(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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 3, 172 lb uplift at joint 2 and 15 lb uplift at joint 4.



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November 19,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	CJ03	Jack-Open	4	1	T21941163
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:43 2020 Page 1
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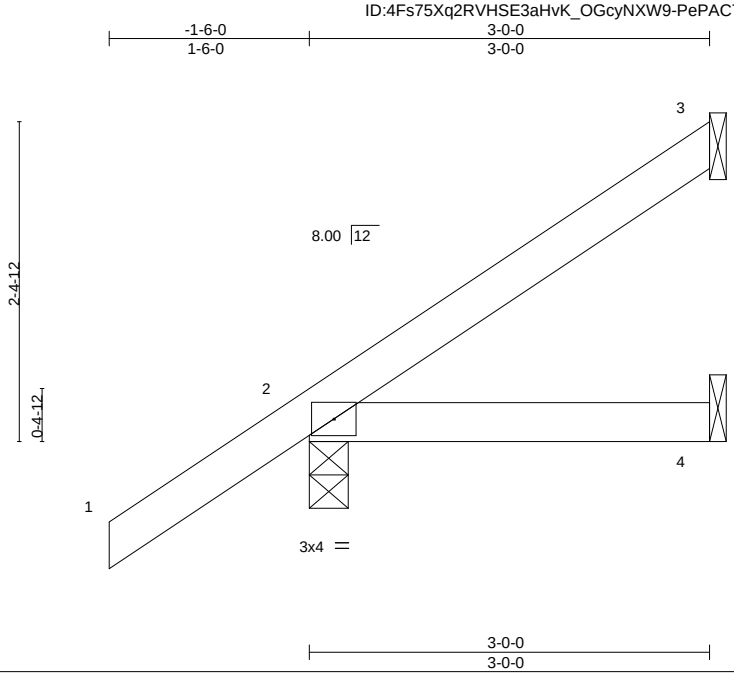


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

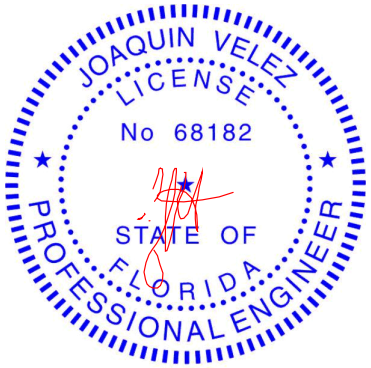
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=137(LC 12)
Max Uplift 3=-66(LC 12), 2=-85(LC 12)
Max Grav 3=71(LC 19), 2=210(LC 1), 4=51(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 66 lb uplift at joint 3 and 85 lb uplift at joint 2.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	CJ04	Jack-Open	2	1	T21941164
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:44 2020 Page 1
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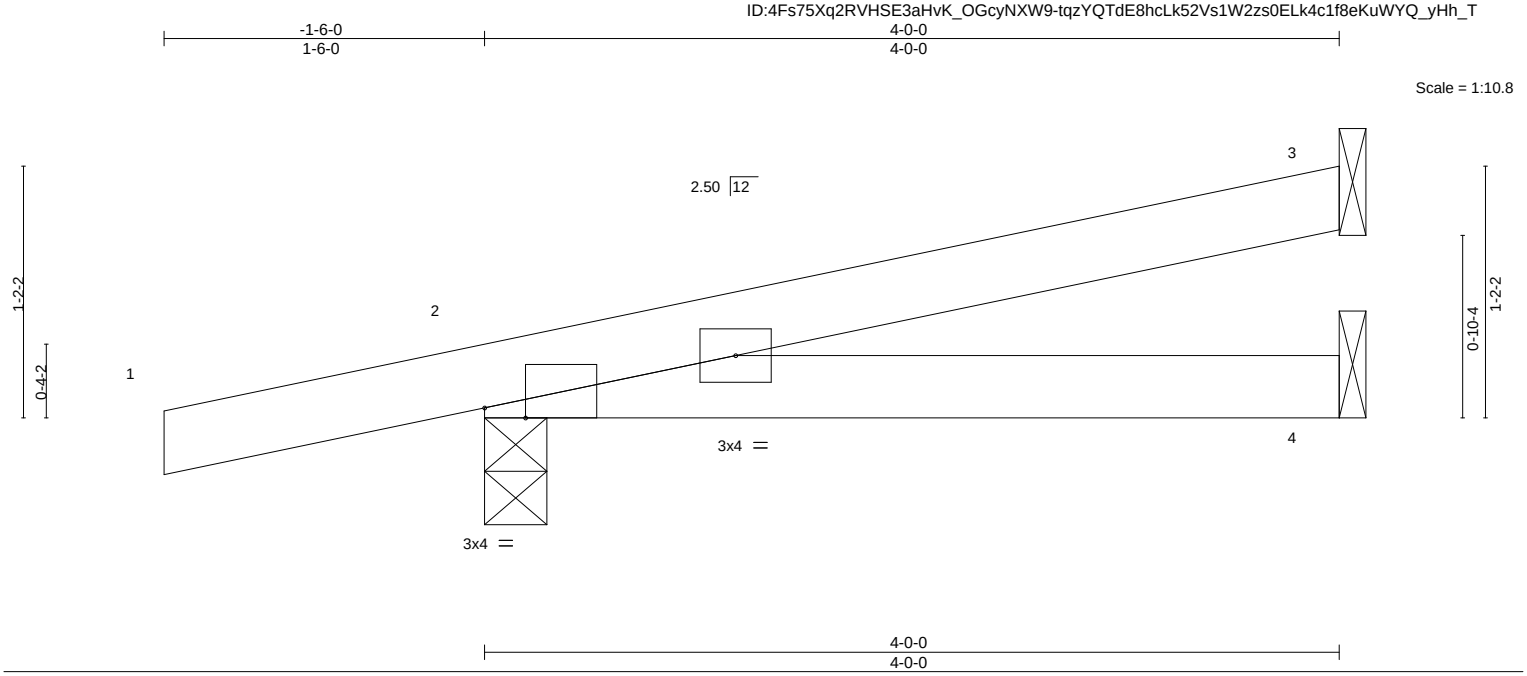


Plate Offsets (X,Y)-- [2:0-2-5,Edge]

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	0.19	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.02	4-7	>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: 14 lb	FT = 20%

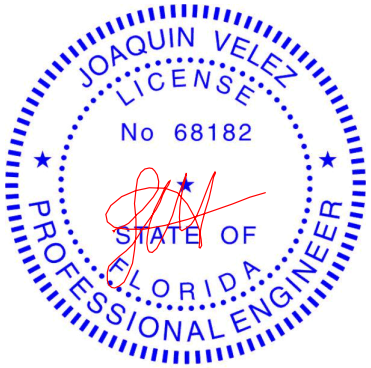
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 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=60(LC 8)
Max Uplift 3=-64(LC 8), 2=-210(LC 8), 4=-37(LC 8)
Max Grav 3=83(LC 1), 2=242(LC 1), 4=65(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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 64 lb uplift at joint 3, 210 lb uplift at joint 2 and 37 lb uplift at joint 4.



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Date:

November 19,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	EJ01	Jack-Partial	4	1	T21941165
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:46 2020 Page 1
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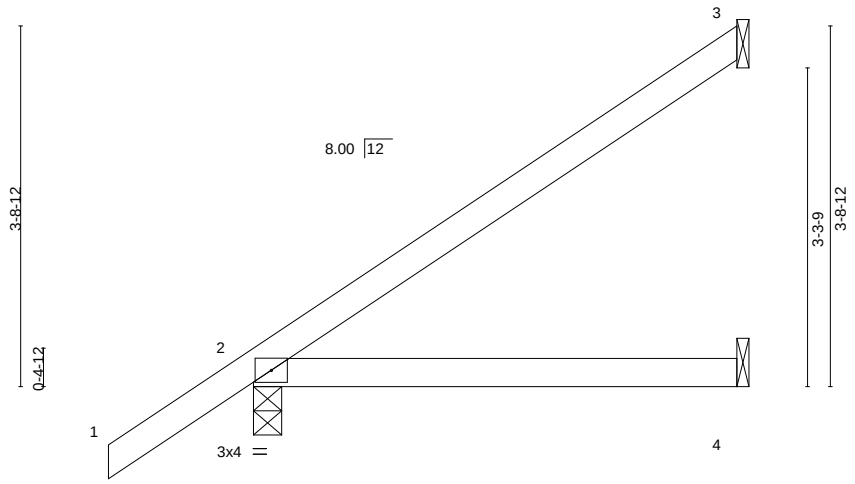
-1-6-0 5-0-0
1-6-0 5-0-0

Scale: 1/2"=1'



5-0-0
5-0-0

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	0.36	Vert(LL)	0.04	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.07	4-7	>860	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 19 lb	FT = 20%

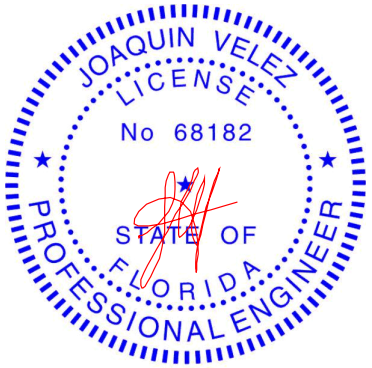
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=202(LC 12)
Max Uplift 3=-122(LC 12), 2=-90(LC 12), 4=-7(LC 12)
Max Grav 3=131(LC 19), 2=276(LC 1), 4=89(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 122 lb uplift at joint 3, 90 lb uplift at joint 2 and 7 lb uplift at joint 4.



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Date:

November 19,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	EJ02	Jack-Open	10	1	T21941166 Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:47 2020 Page 1
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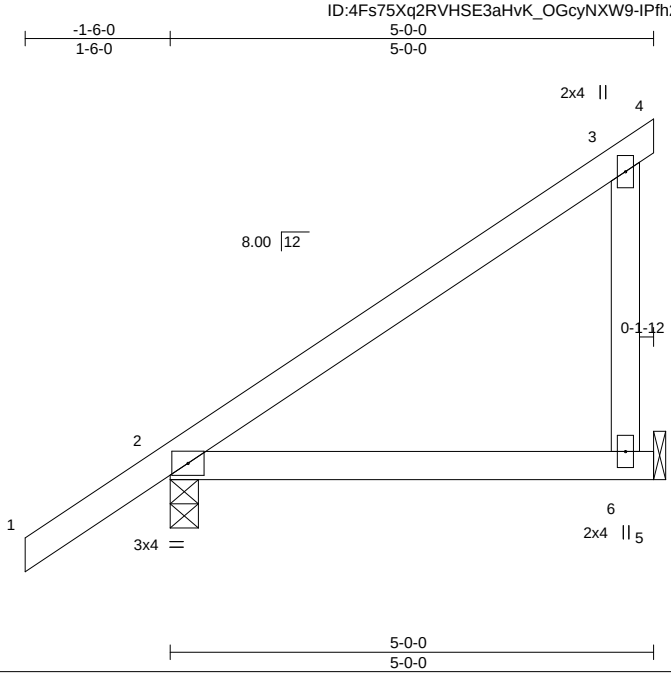


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.03	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.06	6-9	>986	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 24 lb	FT = 20%

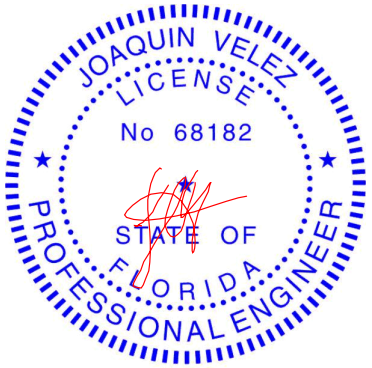
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 2=0-3-8, 6=Mechanical
Max Horz 2=202(LC 12)
Max Uplift 2=-83(LC 12), 6=-136(LC 12)
Max Grav 2=268(LC 1), 6=197(LC 19)

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 83 lb uplift at joint 2 and 136 lb uplift at joint 6.



Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:
November 19,2020

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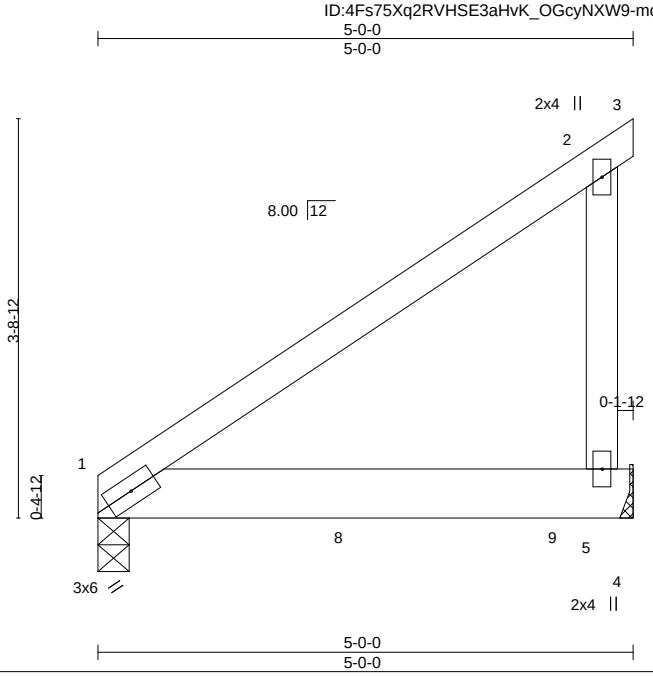
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	EJ03	Jack-Open Girder	1	1	T21941167
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:48 2020 Page 1
ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-mcD3FrglBv7mCjMG5ta_8iBtFMPjzTWEFWUmZmyHh_P



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	0.38	Vert(LL)	-0.05	5-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.08	5-7	>673	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

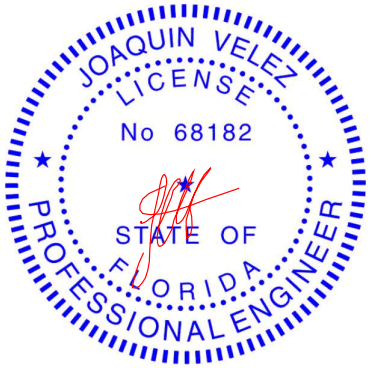
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=Mechanical
Max Horz 1=161(LC 8)
Max Uplift 1=-321(LC 8), 5=-471(LC 8)
Max Grav 1=951(LC 1), 5=1041(LC 1)

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; 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 321 lb uplift at joint 1 and 471 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 547 lb down and 218 lb up at 0-4-12, and 541 lb down and 222 lb up at 2-4-12, and 545 lb down and 218 lb up at 4-4-12 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: 1-2=-54, 2-3=-14, 1-4=-20
Concentrated Loads (lb)
Vert: 7=-547(B) 8=-541(B) 9=-545(B)



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	EJ04	Jack-Open	6	1	T21941168

Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:49 2020 Page 1
ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-EonRTBhNyDFdqtxTfa5Dgvj0AljtiwNOTADJ5CyHh_O

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1-6-0 6-0-0

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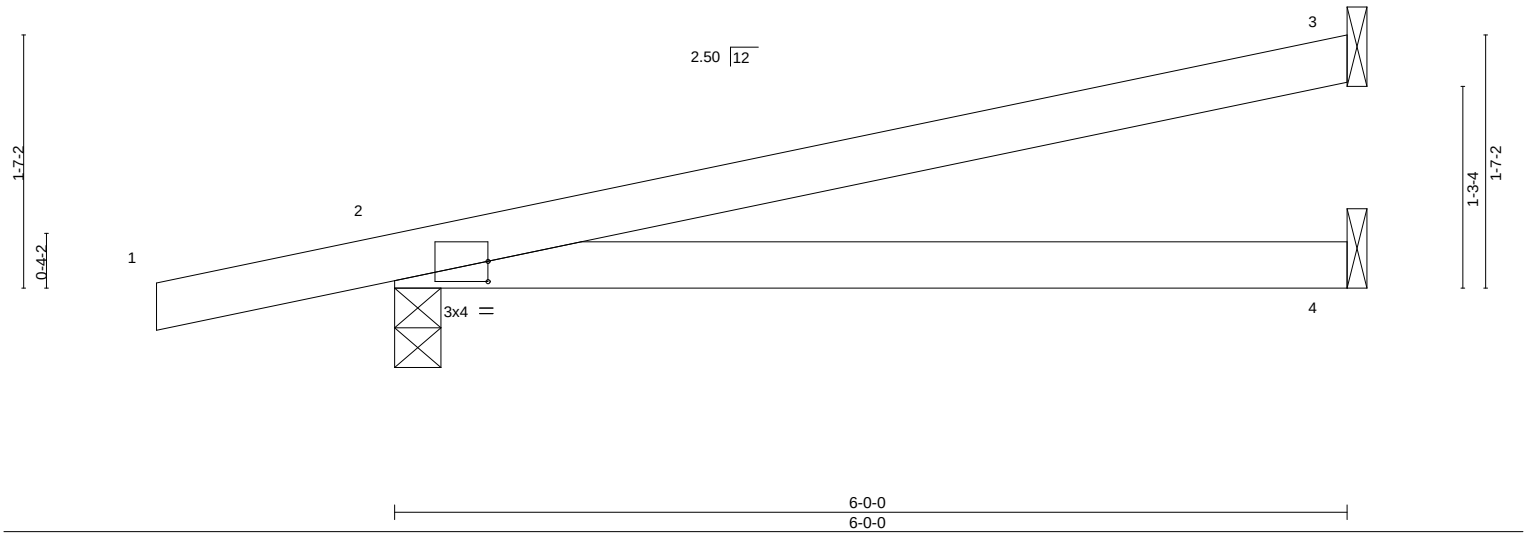


Plate Offsets (X,Y)-- [2:0-0-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.17	4-7	>428	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	0.14	4-7	>498	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: 20 lb	FT = 20%

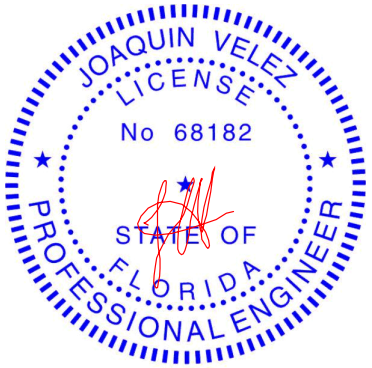
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 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=80(LC 8)
Max Uplift 3=-106(LC 8), 2=-259(LC 8), 4=-61(LC 8)
Max Grav 3=135(LC 1), 2=311(LC 1), 4=103(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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 3, 259 lb uplift at joint 2 and 61 lb uplift at joint 4.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	HJ08	Diagonal Hip Girder	2	1	T21941169
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:50 2020 Page 1
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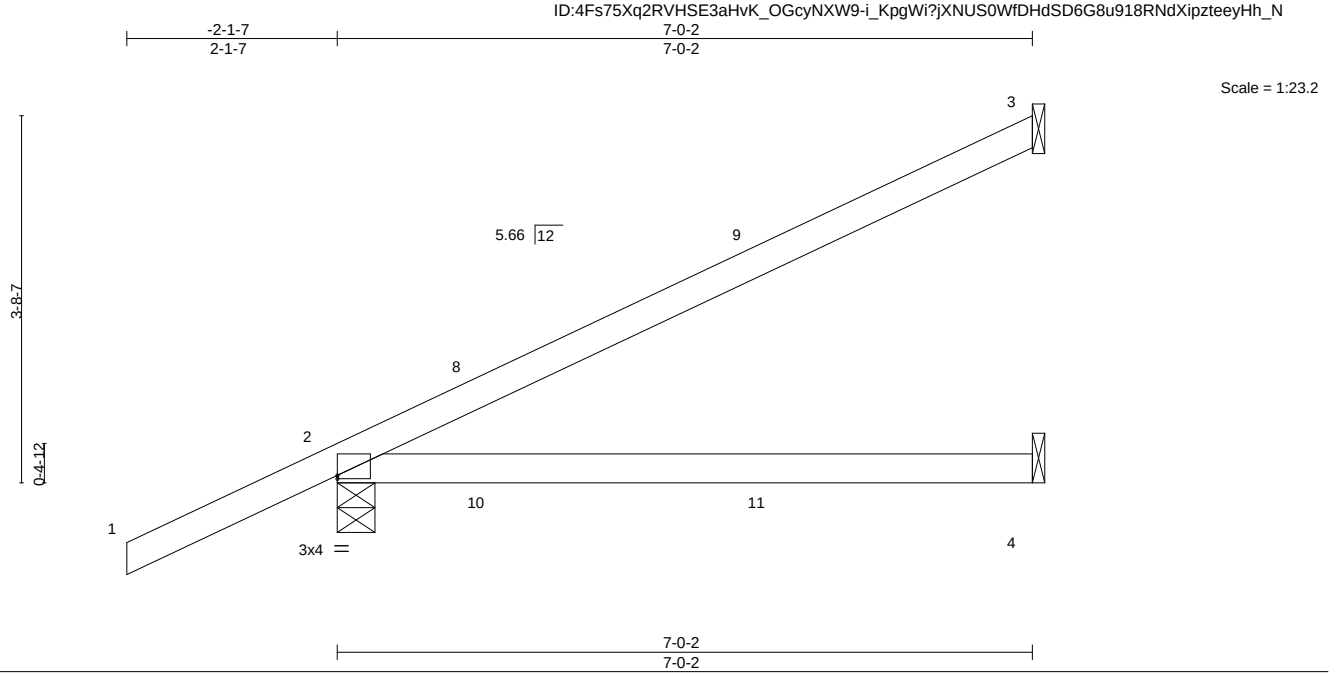


Plate Offsets (X,Y)-- [2:Edge,0-0-6]

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	0.69	Vert(LL)	0.13	4-7	>624	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.25	4-7	>338	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 26 lb	FT = 20%

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

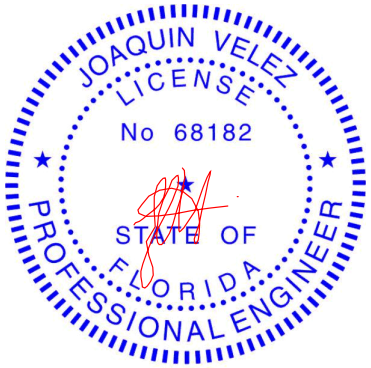
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-9, 4=Mechanical
Max Horz 2=201(LC 8)
Max Uplift 3=-155(LC 8), 2=-213(LC 8), 4=-12(LC 8)
Max Grav 3=160(LC 1), 2=391(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; 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 155 lb uplift at joint 3, 213 lb uplift at joint 2 and 12 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 76 lb up at 1-6-1, 87 lb down and 76 lb up at 1-6-1, and 110 lb down and 65 lb up at 4-4-0, and 110 lb down and 65 lb up at 4-4-0 on top chord , and 29 lb down and 46 lb up at 1-6-1, 29 lb down and 46 lb up at 1-6-1, and 28 lb down at 4-4-0, and 28 lb down at 4-4-0 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: 1-3=-54, 4-5=-20
Concentrated Loads (lb)
Vert: 11=-4(F=-2, B=-2)



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November 19,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	HJ09	Diagonal Hip Girder	1	1	T21941170
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:51 2020 Page 1
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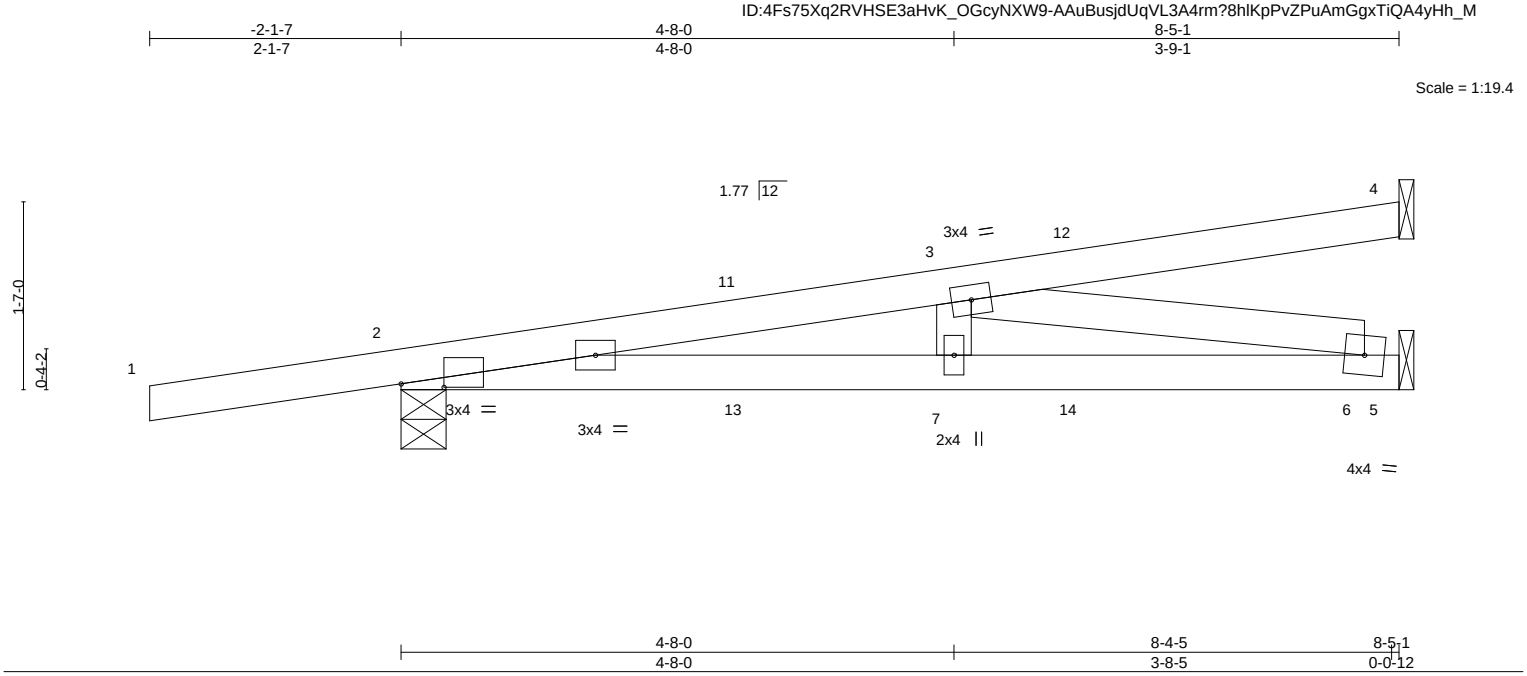


Plate Offsets (X,Y)-- [2:0-4-5,0-0-6]

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	0.29	Vert(LL)	0.07	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.07	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 34 lb	FT = 20%

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

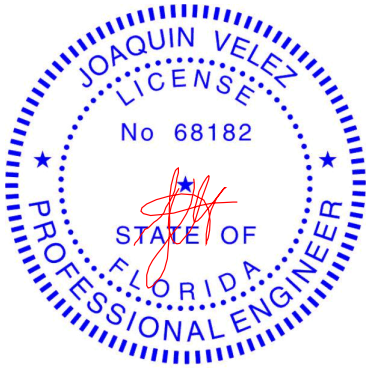
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-6-10 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=80(LC 4)
Max Uplift 4=-74(LC 4), 2=-390(LC 4), 5=-193(LC 4)
Max Grav 4=94(LC 1), 2=458(LC 1), 5=240(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-994/746
BOT CHORD 2-7=-776/977, 6-7=-776/977
WEBS 3-6=-999/793

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; porch left and right 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 74 lb uplift at joint 4, 390 lb uplift at joint 2 and 193 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 15 lb down and 19 lb up at 2-11-0, 15 lb down and 19 lb up at 2-11-0, and 37 lb down and 71 lb up at 5-8-15, and 37 lb down and 71 lb up at 5-8-15 on top chord, and 8 lb down and 20 lb up at 2-11-0, 8 lb down and 20 lb up at 2-11-0, and 30 lb down and 52 lb up at 5-8-15, and 30 lb down and 52 lb up at 5-8-15 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: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 12=-17(F=-8, B=-8) 13=-3(F=-2, B=-2) 14=-38(F=-19, B=-19)



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November 19,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	PB01	Piggyback	15	1	T21941171
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:52 2020 Page 1
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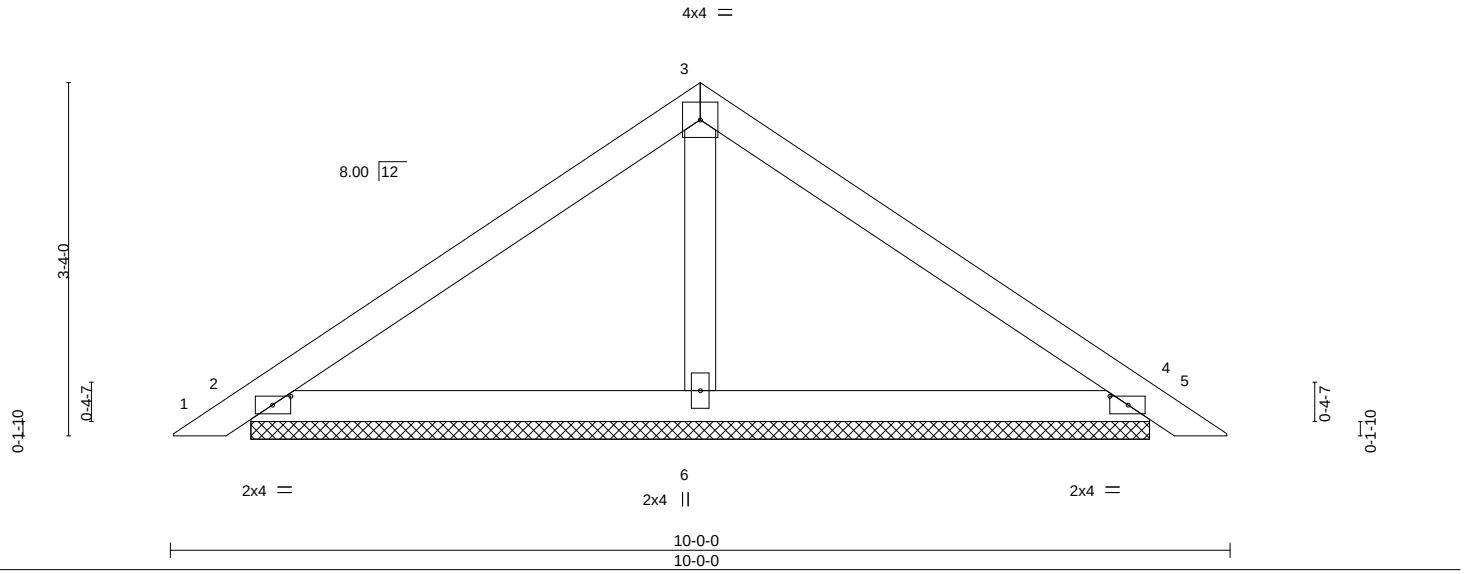


Plate Offsets (X,Y)-- [2:0-2-1,0-1-0], [4:0-2-1,0-1-0]

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	0.20	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 34 lb	FT = 20%

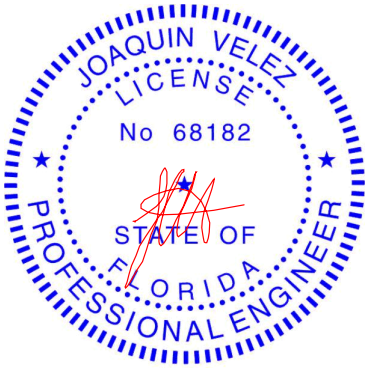
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. (size) 2=8-5-12, 4=8-5-12, 6=8-5-12
Max Horz 2=-98(LC 10)
Max Uplift 2=-86(LC 12), 4=-99(LC 13), 6=-87(LC 12)
Max Grav 2=181(LC 1), 4=181(LC 20), 6=318(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 86 lb uplift at joint 2, 99 lb uplift at joint 4 and 87 lb uplift at joint 6.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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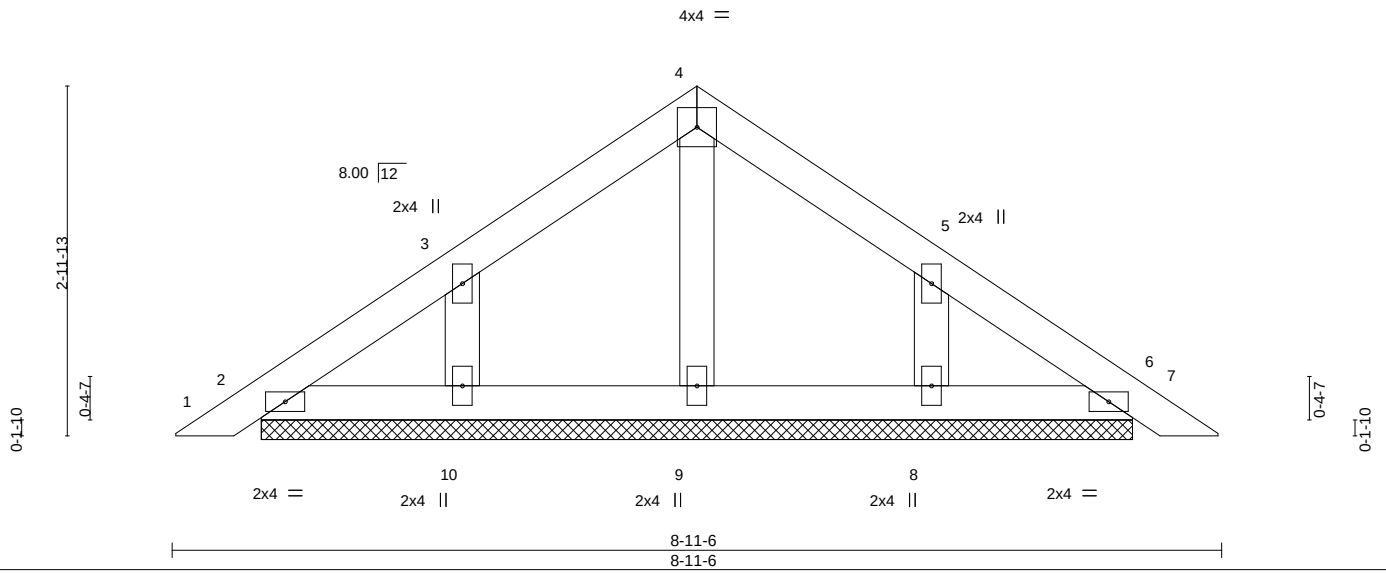
Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	PB01G	GABLE	2	1	T21941172
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:53 2020 Page 1
ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-7Z0yJYku0Sl3JUEEuQA9rlupHNBHekkzOnBXEzyHh_K

4-5-11 8-11-6
4-5-11 4-5-11

Scale = 1:19.6



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	0.04	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 33 lb	FT = 20%

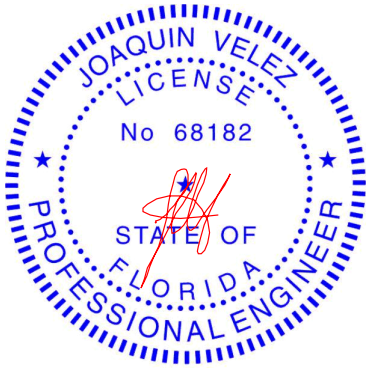
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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. All bearings 7-5-2.
(lb) - Max Horz 2=-87(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 10=-121(LC 12), 8=-121(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 10, 8

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) Gable requires continuous bottom chord bearing.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 10=121, 8=121.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

November 19,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T01	ATTIC STRUCTURAL GAB	1	2	T21941173
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:55 2020 Page 1
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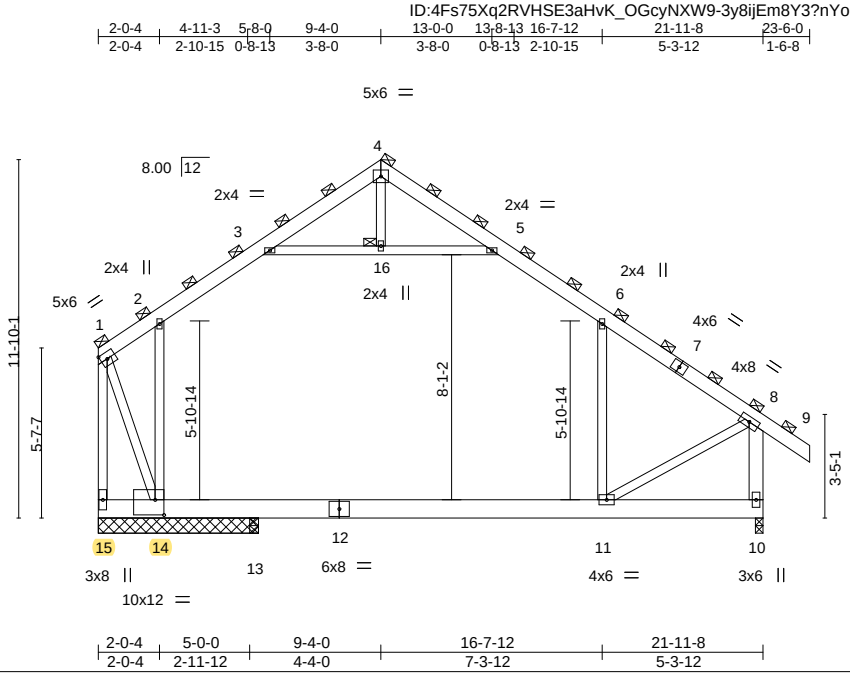


Plate Offsets (X,Y)-- [14:0-3-8,0-6-0]

LOADING (psf)		SPACING-	3-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.17	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.29	11-13	>698	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.12	11-14	1492	360	Weight: 392 lb	FT = 20%

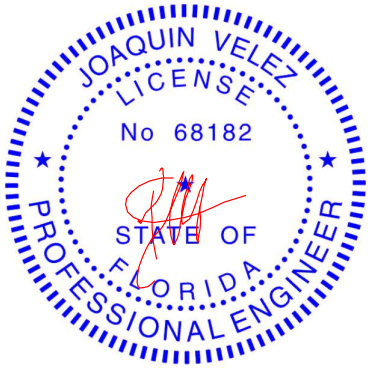
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
8-10: 2x6 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 4, 16, 1, 8

REACTIONS. All bearings 5-3-8 except (jt=length) 10=0-3-0, 13=0-3-8.
(lb) - Max Horz 15=-527(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 15=-1195(LC 13), 14=-5283(LC 21), 10=-363(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 15=5246(LC 21), 14=1056(LC 13), 10=2029(LC 21), 13=2724(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1772/459, 2-3=-1421/511, 3-4=-428/192, 4-5=-409/220, 5-6=-1299/509, 6-8=-1553/294, 1-15=-4778/1192, 8-10=-1824/440
BOT CHORD 14-15=-497/523, 13-14=-50/1189, 11-13=-50/1189
WEBS 2-14=-494/455, 6-11=-284/409, 3-16=-1198/444, 5-16=-1198/444, 1-14=-934/3816, 8-11=0/1237

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
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 and C-C Exterior(2) zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; 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) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-16, 5-16; Wall dead load (5.0psf) on member(s).2-14, 6-11
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-14, 11-13
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1195 lb uplift at joint 15, 5283 lb uplift at joint 14 and 363 lb uplift at joint 10.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
12) Attic room checked for L/360 deflection.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T01G	GABLE	1	1	T21941174
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:56 2020 Page 1
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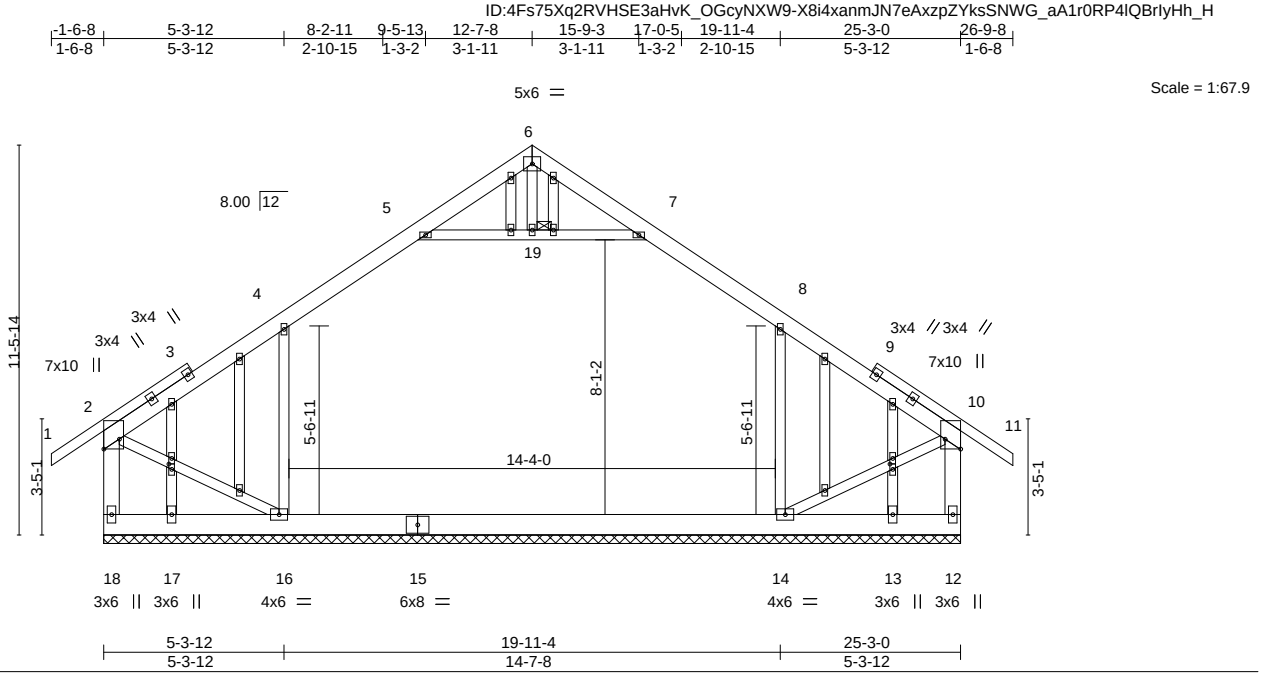


Plate Offsets (X,Y)-- [2:Edge,0-5-8], [10:Edge,0-5-8], [21:0-1-14,0-1-0], [26:0-1-14,0-1-0]

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	0.21	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.01	10-11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 247 lb	FT = 20%

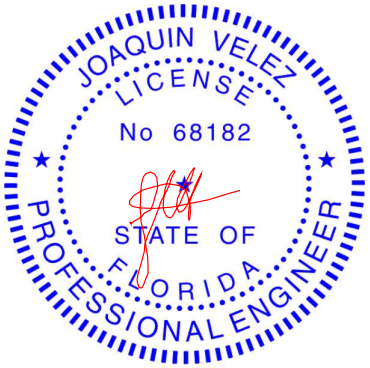
LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-3,9-11: 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* 2-18,10-12: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 19

REACTIONS. All bearings 25-3-0.
(lb) - Max Horz 18=412(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 18=-157(LC 13), 12=-155(LC 12), 14=-231(LC 13), 16=-232(LC 12), 13=-506(LC 18), 17=-506(LC 18)
Max Grav All reactions 250 lb or less at joint(s) except 18=896(LC 21), 12=891(LC 20), 14=1043(LC 21), 16=1046(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-755/269, 2-4=-612/170, 4-5=-642/304, 5-6=-271/108, 6-7=-271/108, 7-8=-642/304, 8-10=-608/169, 10-12=-755/267
BOT CHORD 17-18=-372/362, 16-17=-372/362, 14-16=-99/525
WEBS 5-19=-360/264, 7-19=-360/264, 8-14=-468/263, 10-14=-77/553, 4-16=-471/264, 2-16=-78/553

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) 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, with BCDL = 10.0psf.
9) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-19, 7-19; Wall dead load (5.0psf) on member(s).8-14, 4-16
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 157 lb uplift at joint 18, 155 lb uplift at joint 12, 231 lb uplift at joint 14, 232 lb uplift at joint 16, 506 lb uplift at joint 13 and 506 lb uplift at joint 17.
11) Attic room checked for L/360 deflection.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T02	Attic	3	1	T21941175
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:58 2020 Page 1
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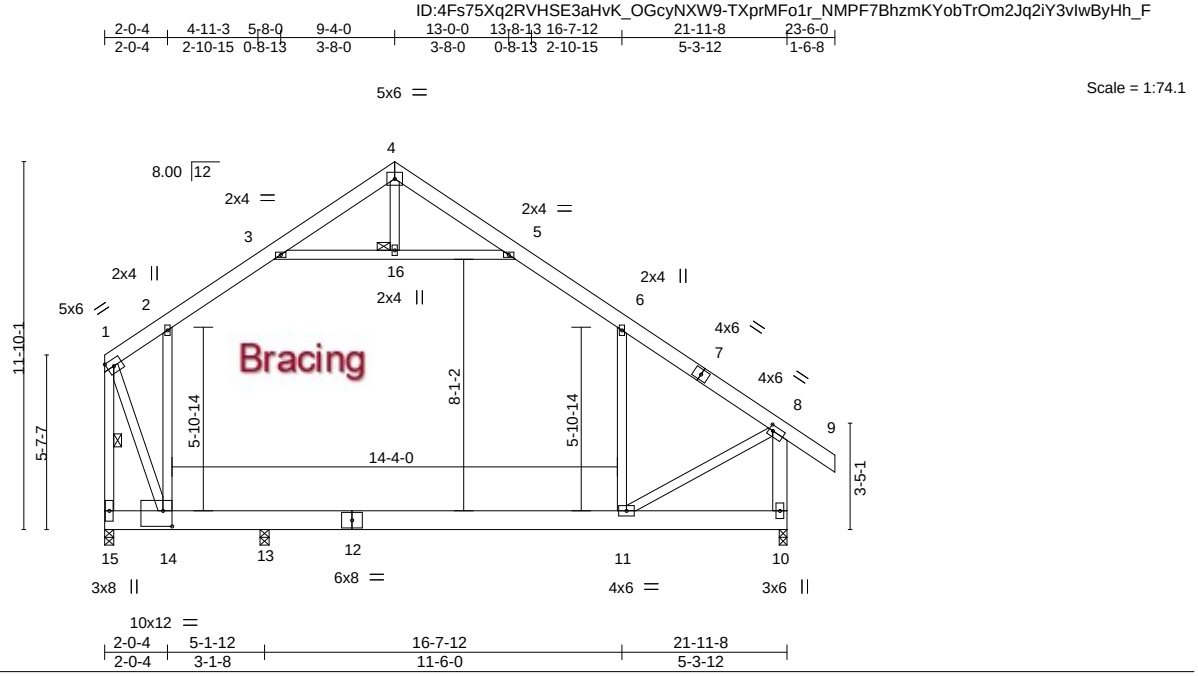


Plate Offsets (X,Y)-- [8:0-1-8,0-2-0], [14:0-3-8,0-6-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.33	11-13	>598	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.57	11-13	>349	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.24	11-14	737	360	Weight: 196 lb	FT = 20%

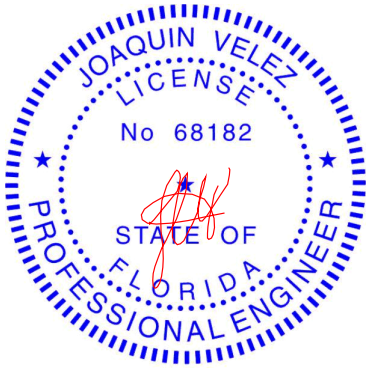
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
8-10: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-2-13 oc bracing.
WEBS 1 Row at midpt 1-15
JOINTS 1 Brace at Jt(s): 16

REACTIONS. (size) 15=0-3-8, 10=0-3-0, 13=0-3-8
Max Horz 15=-351(LC 8)
Max Uplift 15=-319(LC 13), 10=-231(LC 13), 13=-16(LC 9)
Max Grav 15=1108(LC 21), 10=1296(LC 21), 13=1006(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-858/242, 2-3=-844/332, 3-4=-318/132, 4-5=-270/144, 5-6=-728/326, 6-8=-910/182, 1-15=-2469/652, 8-10=-1054/283
BOT CHORD 14-15=-338/351, 13-14=-24/711, 11-13=-24/711
WEBS 2-14=-451/223, 6-11=-203/253, 3-16=-609/278, 5-16=-609/278, 1-14=-548/2170, 8-11=-24/712

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 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) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-16, 5-16; Wall dead load (5.0psf) on member(s).2-14, 6-11
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-14, 11-13
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 319 lb uplift at joint 15, 231 lb uplift at joint 10 and 16 lb uplift at joint 13.
8) Attic room checked for L/360 deflection.



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November 19,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T03	ATTIC	6	1	T21941176
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:55:59 2020 Page 1
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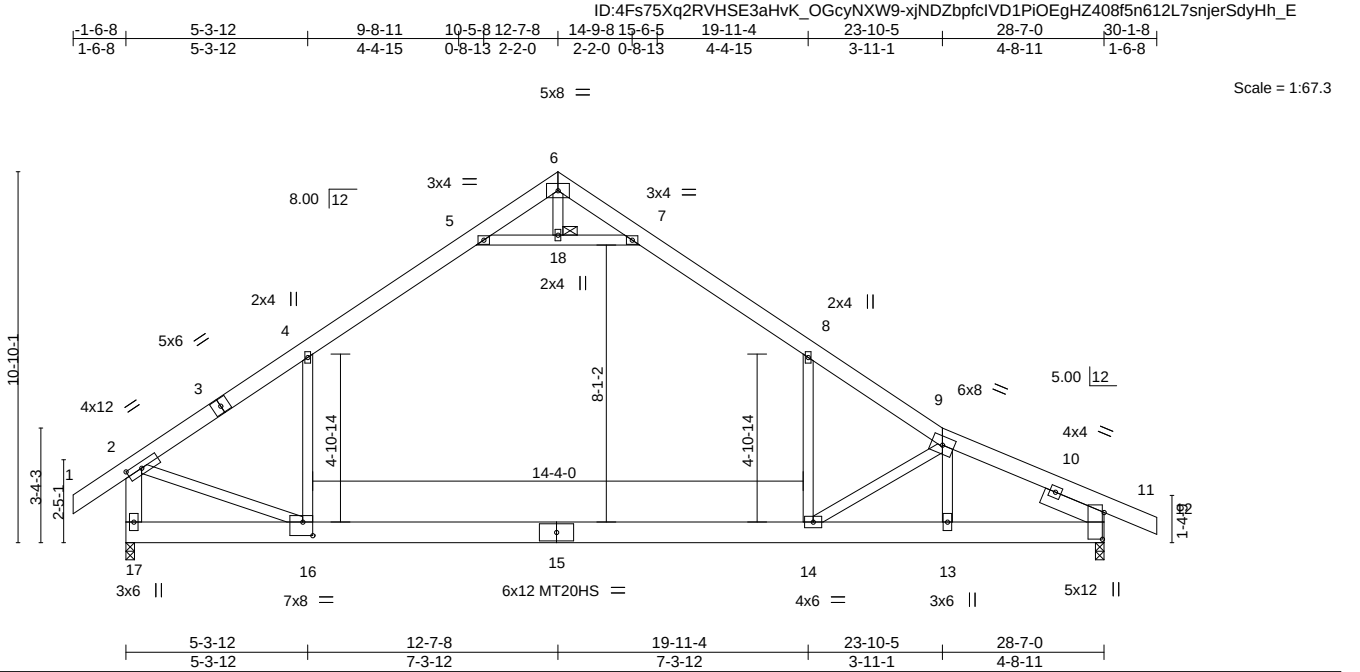


Plate Offsets (X,Y)-- [2:0-5-4,0-2-0], [11:0-9-6,0-0-10], [16:0-3-8,0-4-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.56	14-16	>610	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.98	14-16	>347	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	-0.05	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.31	14-16	572	360	Weight: 226 lb	FT = 20%

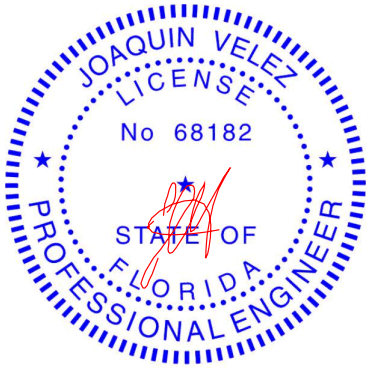
LUMBER-
TOP CHORD 2x6 SP M 26 *Except* 9-12,1-3: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* 2-17: 2x6 SP No.2
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 18

REACTIONS. (size) 17=0-3-0, 11=0-3-0
Max Horz 17=-207(LC 10)
Max Uplift 17=-133(LC 12), 11=-174(LC 13)
Max Grav 17=1232(LC 20), 11=1085(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1492/145, 4-5=-1072/246, 5-6=-15/629, 6-7=-22/671, 7-8=-1025/239, 8-9=-1584/164, 9-11=-1616/285, 2-17=-1462/220
BOT CHORD 16-17=-159/301, 14-16=-21/1132, 13-14=-190/1494, 11-13=-193/1482
WEBS 4-16=0/670, 8-14=0/905, 9-14=-586/285, 9-13=-383/39, 5-18=-1819/321, 7-18=-1819/321, 2-16=-52/1101

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 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) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 8-9, 5-18, 7-18; Wall dead load (5.0psf) on member(s).4-16, 8-14
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint 17 and 174 lb uplift at joint 11.
9) NOTE: DUE TO THE OVERALL LENGTH TO DEPTH RATIO OF THE ROOM, THE FLOOR MAY EXHIBIT OBJECTIONABLE VIBRATION AND OR BOUNCE. BUILDING DESIGNER TO CONSIDER PROVIDING MEANS TO DAMPEN THESE EFFECTS. TRUSS DESIGN SHALL BE REVIEWED AND APPROVED PRIOR TO MANUFACTURING.
10) Attic room checked for L/360 deflection.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T03G	GABLE	1	1	T21941177
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:00 2020 Page 1
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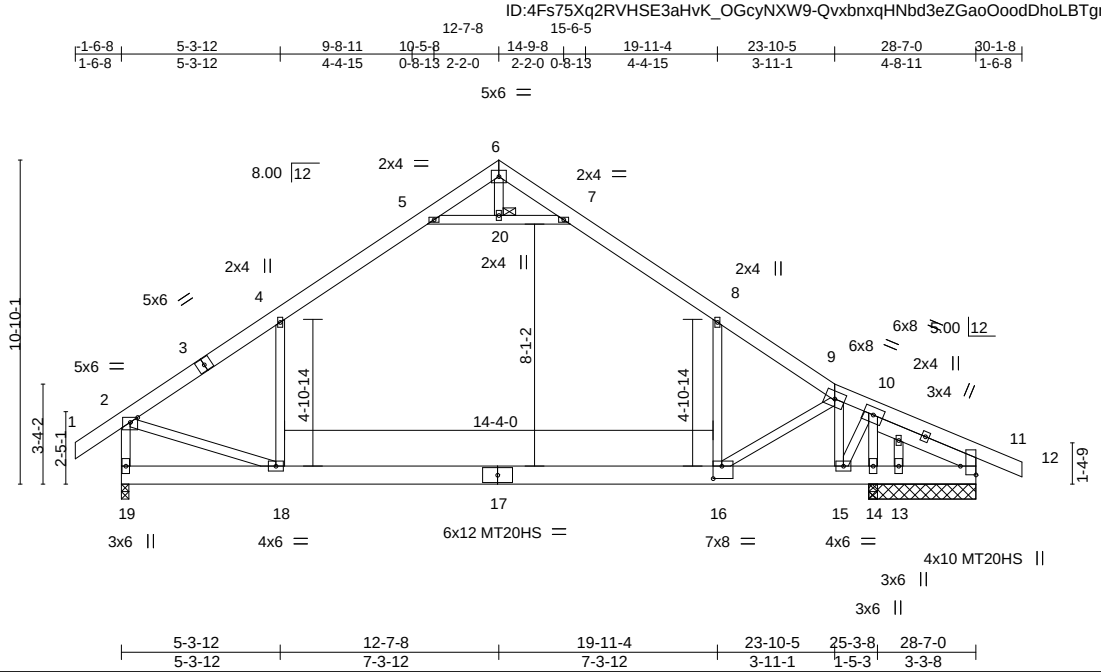


Plate Offsets (X,Y)-- [11:Edge,0-6-4], [16:0-3-8,0-5-0]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	-0.39	16-18	>766	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.63	16-18	>478	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	-0.01	11	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS		Attic	-0.27	16-18	645	360	Weight: 236 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 3-6: 2x6 SP M 26
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
SLIDER	Right 2x6 SP No.2 3-8-1

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 20

REACTIONS. All bearings 3-7-0 except (jt=length) 19=0-3-0.
(lb) - Max Horz 19=-251(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 19=-148(LC 12), 11=-698(LC 21), 13=-920(LC 21), 14=-355(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 11, 13 except 19=1005(LC 20), 14=2926(LC 21), 14=1859(LC 1)

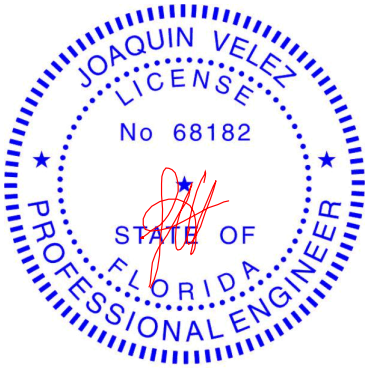
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-4=-918/94, 4-5=-682/211, 5-6=-33/330, 6-7=0/298, 7-8=-754/212, 8-9=-995/148, 9-10=-115/946, 10-11=-31/394, 2-19=-962/171
BOT CHORD	18-19=-142/288, 16-18=-44/764, 15-16=-788/175, 14-15=-1029/180, 13-14=-1052/185, 11-13=-1052/185
WEBS	4-18=-4/406, 8-16=-129/285, 9-16=0/1657, 9-15=-1822/53, 5-20=-1060/247, 7-20=-1060/247, 2-18=0/647, 10-14=-759/178, 10-15=-46/373

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 exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are MT20 plates 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.
8) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 8-9, 5-20, 7-20; Wall dead load (5.0psf) on member(s).4-18, 8-16
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 16-18
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 19, 698 lb uplift at joint 11, 920 lb uplift at joint 13 and 355 lb uplift at joint 14.
11) NOTE: DUE TO THE OVERALL LENGTH TO DEPTH RATIO OF THE ROOM, THE FLOOR MAY EXHIBIT OBJECTIONABLE VIBRATION AND OR BOUNCE. BUILDING DESIGNER TO CONSIDER PROVIDING MEANS TO DAMPEN THESE EFFECTS.
12) TRUSS DESIGN SHALL BE REVIEWED AND APPROVED PRIOR TO MANUFACTURING.

Continued on page 2



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Date: November 19,2020

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NOTES-

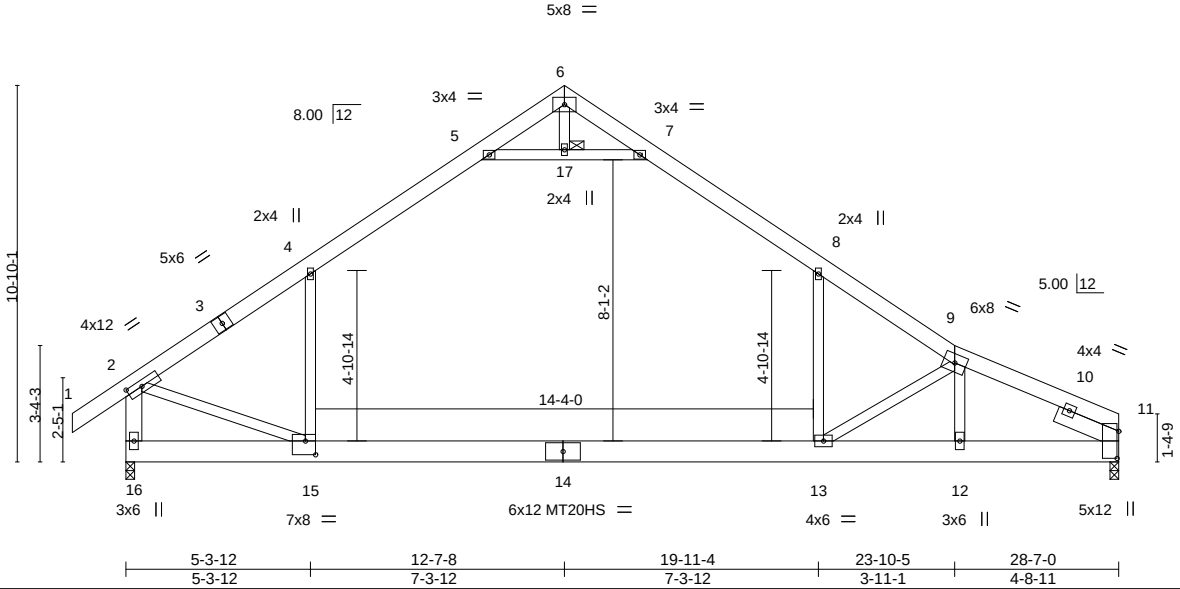
12) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T04	ATTIC	4	1	T21941178
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:02 2020 Page 1
ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-MI3LBdrXuDunusQywpqGiemAJ?8jFisIThtV3yyHh_B

-1-6-8	5-3-12	9-8-11	10-5-8	12-7-8	14-9-8	15-6-5	19-11-4	23-10-5	28-7-0
1-6-8	5-3-12	4-4-15	0-8-13	2-2-0	2-2-0	0-8-13	4-4-15	3-11-1	4-8-11

Scale = 1:66.3



5-3-12	12-7-8	19-11-4	23-10-5	28-7-0
5-3-12	7-3-12	7-3-12	3-11-1	4-8-11

Plate Offsets (X,Y)-- [2:0-5-4,0-2-0], [11:0-9-6,0-0-10], [15:0-3-8,0-4-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.56	13-15	>610	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.98	13-15	>346	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	-0.05	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.31	13-15	572	360	Weight: 222 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP M 26 *Except* 9-11,1-3: 2x6 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* 2-16: 2x6 SP No.2
SLIDER	Right 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-2-3 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 17

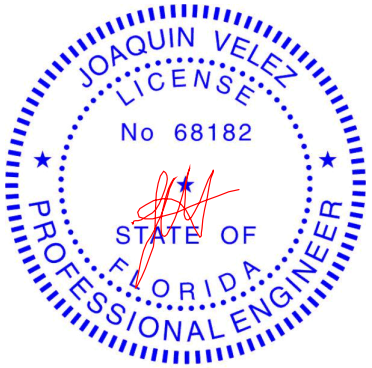
REACTIONS. (size) 11=0-3-0, 16=0-3-0
Max Horz 16=-196(LC 10)
Max Uplift 11=-139(LC 13), 16=-133(LC 12)
Max Grav 11=1038(LC 2), 16=1233(LC 20)

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

TOP CHORD	2-4=-1494/145, 4-5=-1073/247, 5-6=-16/629, 6-7=-24/672, 7-8=-1026/239, 8-9=-1586/166, 9-11=-1625/292, 2-16=-1463/221
BOT CHORD	15-16=-168/292, 13-15=-30/1125, 12-13=-217/1494, 11-12=-220/1482
WEBS	4-15=0/671, 8-13=0/906, 9-13=-595/292, 9-12=-377/34, 5-17=-1822/323, 7-17=-1822/323, 2-15=-53/1103

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 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) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 8-9, 5-17, 7-17; Wall dead load (5.0psf) on member(s).4-15, 8-13
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 139 lb uplift at joint 11 and 133 lb uplift at joint 16.
9) NOTE: DUE TO THE OVERALL LENGTH TO DEPTH RATIO OF THE ROOM, THE FLOOR MAY EXHIBIT OBJECTIONABLE VIBRATION AND OR BOUNCE. BUILDING DESIGNER TO CONSIDER PROVIDING MEANS TO DAMPEN THESE EFFECTS. TRUSS DESIGN SHALL BE REVIEWED AND APPROVED PRIOR TO MANUFACTURING.
10) Attic room checked for L/360 deflection.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T05	ROOF TRUSS	1	1	T21941179
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:03 2020 Page 1
ID:A4xBp23bIRyzpZZzk8Brq?yNXLX-qUdkPzs9fW0eV0?9TWMVFsIQkPTQ_3ORhLc3bOyHh_A

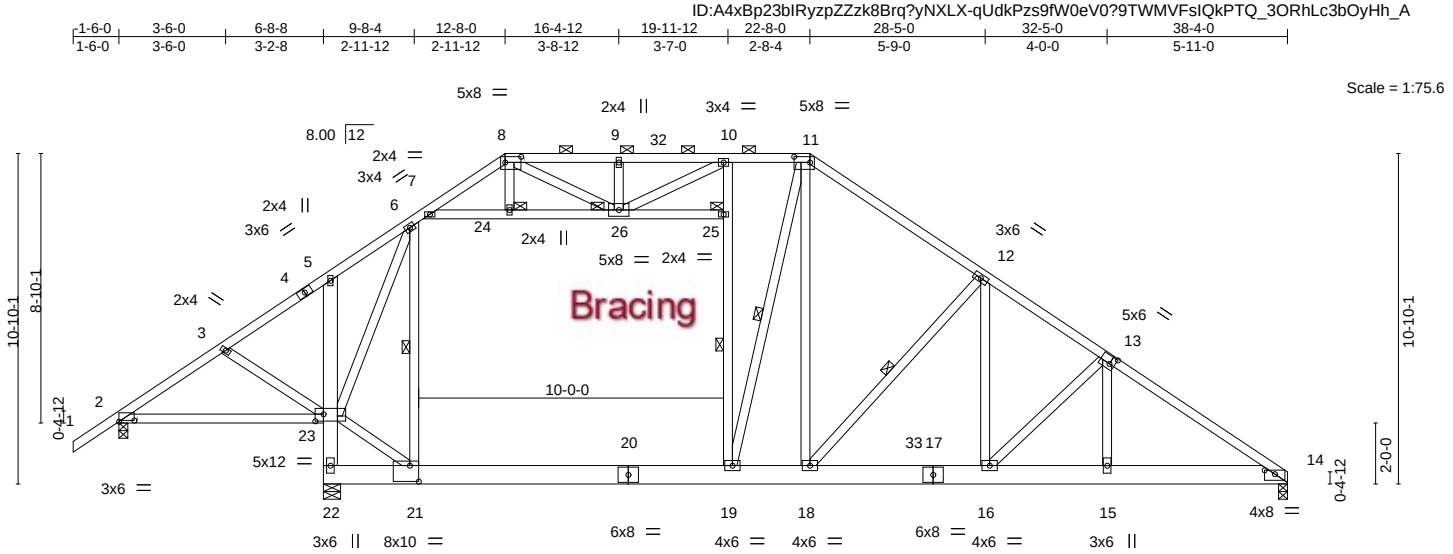


Plate Offsets (X,Y)-- [2:0-6-0,0-0-8], [8:0-6-4,0-2-4], [11:0-6-4,0-2-4], [13:0-2-0,0-3-0], [14:0-4-0,0-1-9], [21:0-3-8,0-6-4], [23:0-3-4,0-2-12]

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	0.43	Vert(LL)	-0.18	19-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.35	19-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.09	14	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS		Attic	-0.10	19-21	1215	360	Weight: 332 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E *Except*
	2-23: 2x4 SP No.2, 5-22: 2x6 SP No.2
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-8 oc purlins, except 2-0-0 oc purlins (4-4-7 max.): 8-11.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 22-23,21-22.
WEBS	1 Row at midpt 12-18, 19-25, 6-21, 11-19
JOINTS	1 Brace at Jt(s): 24, 25, 26

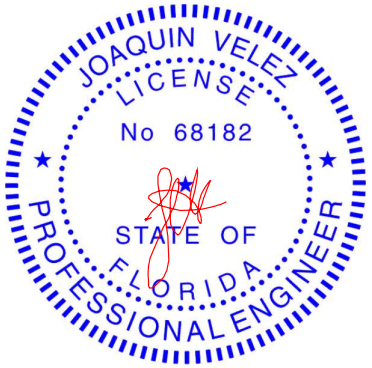
REACTIONS. (size) 2=0-3-8, 22=0-6-12, 14=0-3-8
Max Horz 2=320(LC 11)
Max Uplift 2=-308(LC 13), 22=-321(LC 12), 14=-441(LC 13)
Max Grav 2=1463(LC 2), 22=830(LC 20), 14=1618(LC 21)

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

TOP CHORD	2-3=-2244/497, 3-5=-2128/475, 5-6=-2087/532, 6-7=-1742/500, 7-8=-930/377, 8-9=-1457/568, 9-10=-1457/568, 10-11=-1684/513, 11-12=-2010/588, 12-13=-2374/679, 13-14=-2644/733
BOT CHORD	2-23=-285/1832, 22-23=-1369/328, 19-21=-30/1678, 18-19=-83/1615, 16-18=-324/1938, 15-16=-499/2146, 14-15=-498/2140
WEBS	11-18=-357/712, 12-18=-632/395, 12-16=-130/402, 13-16=-404/255, 7-24=-1043/246, 24-26=-1039/247, 19-25=-226/269, 10-25=-129/285, 6-21=-51/465, 21-23=-64/2006, 9-26=-254/170, 8-26=-254/849, 10-26=-442/63, 11-19=-53/463, 6-23=-277/427

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 6-7, 7-24, 24-26, 25-26; Wall dead load (5.0psf) on member(s).19-25, 6-21
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 19-21
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 308 lb uplift at joint 2, 321 lb uplift at joint 22 and 441 lb uplift at joint 14.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.



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November 19,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T05G	GABLE	1	1	T21941180
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:06 2020 Page 1
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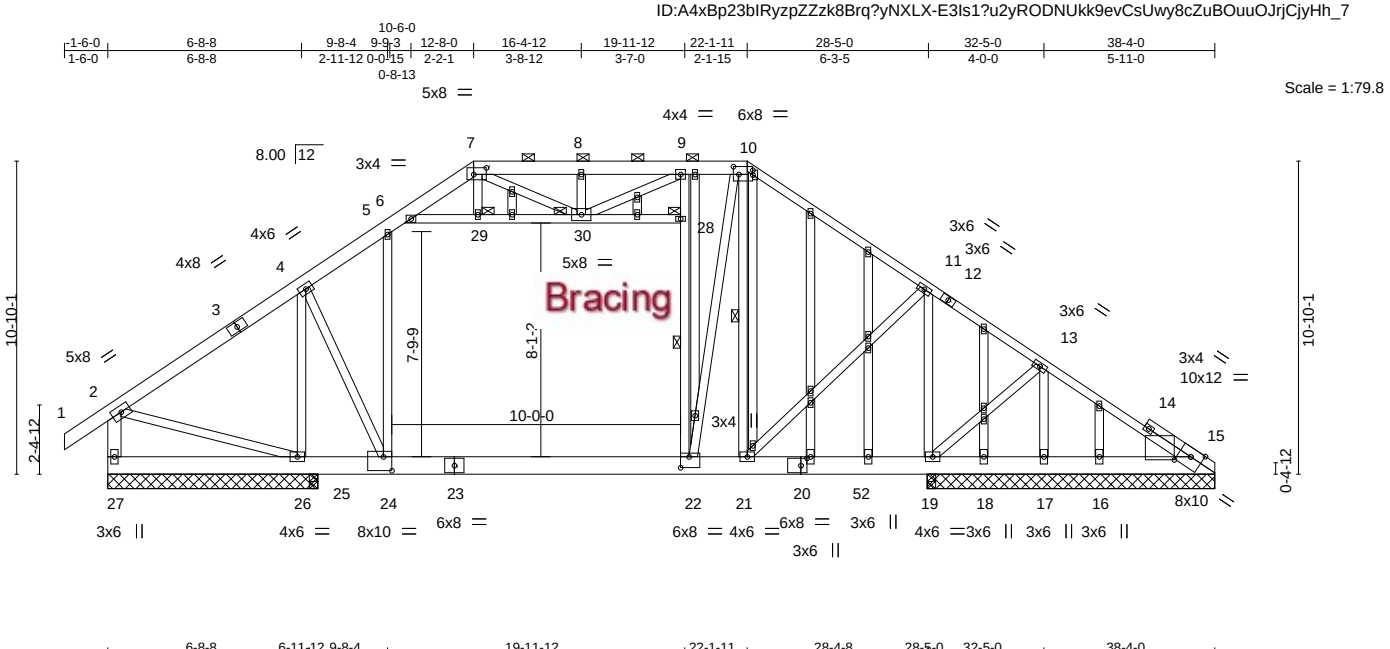


Plate Offsets (X,Y)-- [7:0-5-4,0-2-12], [10:0-2-4,0-3-4], [15:0-6-13,0-1-4], [20:0-2-8,0-3-0], [22:0-3-8,0-4-8], [24:0-3-8,0-5-12], [43:0-2-0,0-0-0]

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	0.36	Vert(LL)	-0.11	22-24	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.18	22-24	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.01	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.09	22-24	1420	360	Weight: 424 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 10-12,12-15,14-15: 2x4 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* 2-27: 2x6 SP No.2
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-6-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-10.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 22-28, 10-21
JOINTS	1 Brace at Jt(s): 28, 29, 30

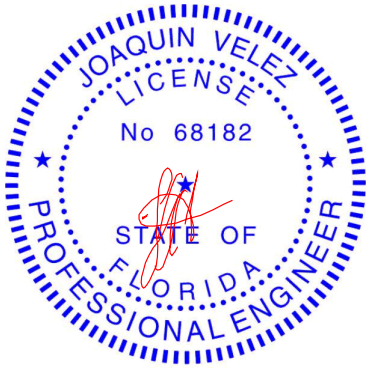
REACTIONS. All bearings 9-11-8 except (jt=length) 27=7-3-4, 26=7-3-4, 25=0-3-8.
(lb) - Max Horz 27=-365(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 17, 18 except 27=-117(LC 8), 19=-273(LC 13), 16=-148(LC 13), 25=-497(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 15, 18, 15 except 27=740(LC 2), 19=1366(LC 27), 19=1203(LC 1), 26=1007(LC 18), 17=299(LC 20), 16=270(LC 21), 25=363(LC 20)

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

TOP CHORD	2-4=-698/202, 4-5=-1105/191, 5-6=-973/272, 6-7=-684/308, 7-8=-934/406, 8-9=-934/406, 9-10=-863/269, 10-11=-934/246, 11-13=-254/87, 2-27=-677/223
BOT CHORD	26-27=-337/374, 25-26=-133/598, 24-25=-133/598, 22-24=-77/973, 21-22=-70/806, 19-21=-109/259
WEBS	22-28=-334/239, 9-28=-240/255, 10-22=-1/941, 10-21=-635/0, 11-21=-32/824, 11-19=-1219/327, 6-29=-427/13, 29-30=-423/15, 2-26=-188/555, 7-30=-128/459, 13-17=-326/185, 4-26=-1359/134, 4-24=0/921

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 exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) na
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Ceiling dead load (5.0 psf) on member(s). 5-6, 6-29, 29-30, 28-30; Wall dead load (5.0psf) on member(s).5-24, 22-28
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 22-24

Continued on page 2



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NOTES-

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 18 except (jt=lb) 27=117, 19=273, 16=148, 25=497.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T06	Piggyback Base	4	1	T21941181 Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:08 2020 Page 1
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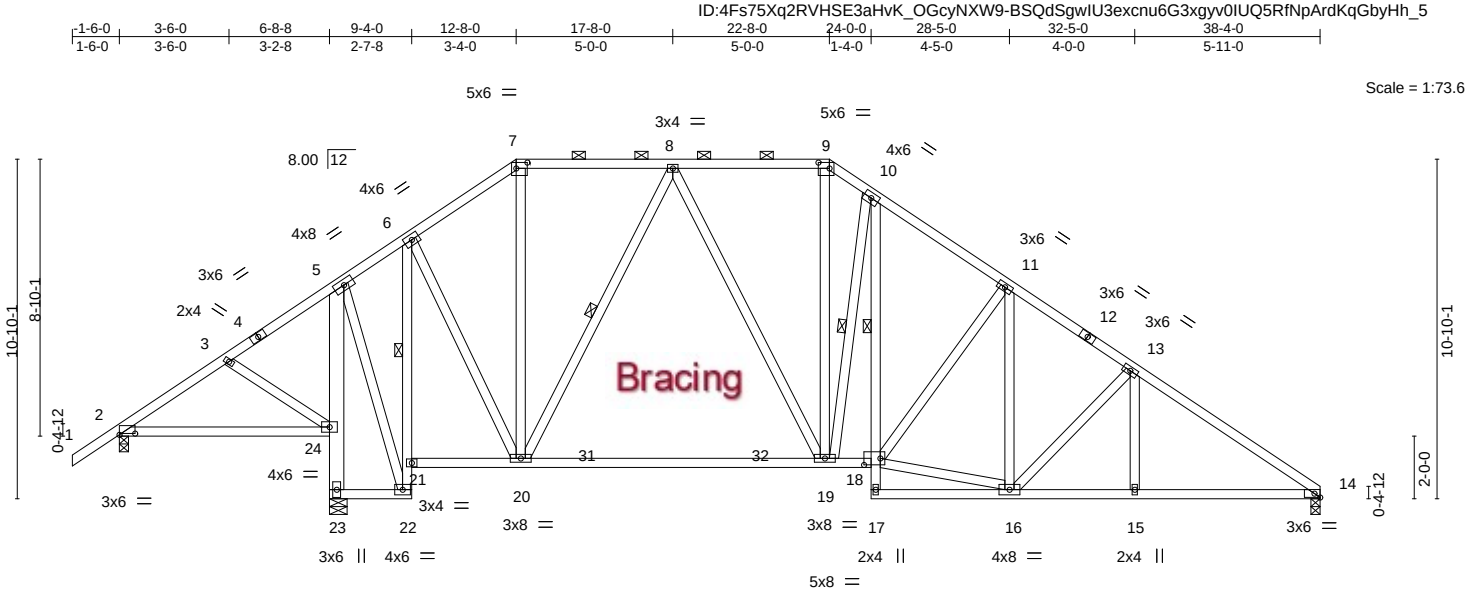


Plate Offsets (X,Y)-- [2:0-6-0,0-0-8], [7:0-4-4,0-2-4], [9:0-4-4,0-2-4], [14:0-2-3,Edge], [18:0-6-4,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.29	19-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.49	19-20	>775	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.05	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 305 lb	FT = 20%

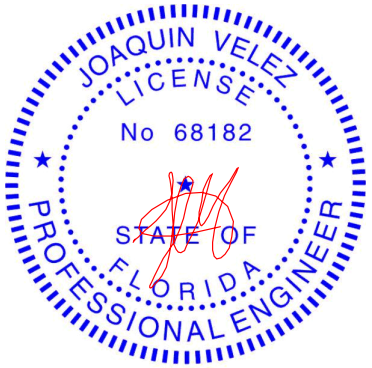
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-23: 2x6 SP No.2, 6-22,10-17: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins, except
2-0-0 oc purlins (5-10-4 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
1 Row at midpt 6-21, 10-18
WEBS 1 Row at midpt 8-20, 10-19

REACTIONS. (size) 2=0-3-8, 23=0-6-12, 14=0-3-8
Max Horz 2=320(LC 11)
Max Uplift 2=-240(LC 13), 23=-536(LC 12), 14=-516(LC 13)
Max Grav 2=260(LC 23), 23=1545(LC 1), 14=1137(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-257/374, 3-5=-245/385, 5-6=-501/475, 6-7=-773/563, 7-8=-678/517, 8-9=-1005/669, 9-10=-1202/790, 10-11=-1288/771, 11-13=-1460/793, 13-14=-1754/819
BOT CHORD 23-24=-1569/722, 5-24=-1395/473, 21-22=-881/243, 6-21=-908/248, 19-20=-182/810, 18-19=-247/998, 10-18=-291/412, 15-16=-577/1394, 14-15=-577/1394
WEBS 5-22=-261/1001, 6-20=-138/697, 7-20=-218/266, 8-20=-637/298, 8-19=-98/377, 9-19=-337/589, 10-19=-578/441, 16-18=-388/1069, 11-18=-379/273, 3-24=-259/240, 13-16=-418/269

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=240, 23=536, 14=516.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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6904 Parke East Blvd. Tampa FL 33610
Date:
November 19,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T07	Piggyback Base	1	1	T21941182
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:10 2020 Page 1
ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-7qYNtMxY0gufr51VOU_81K5fBDm67JsTlxpwLUyHh_3

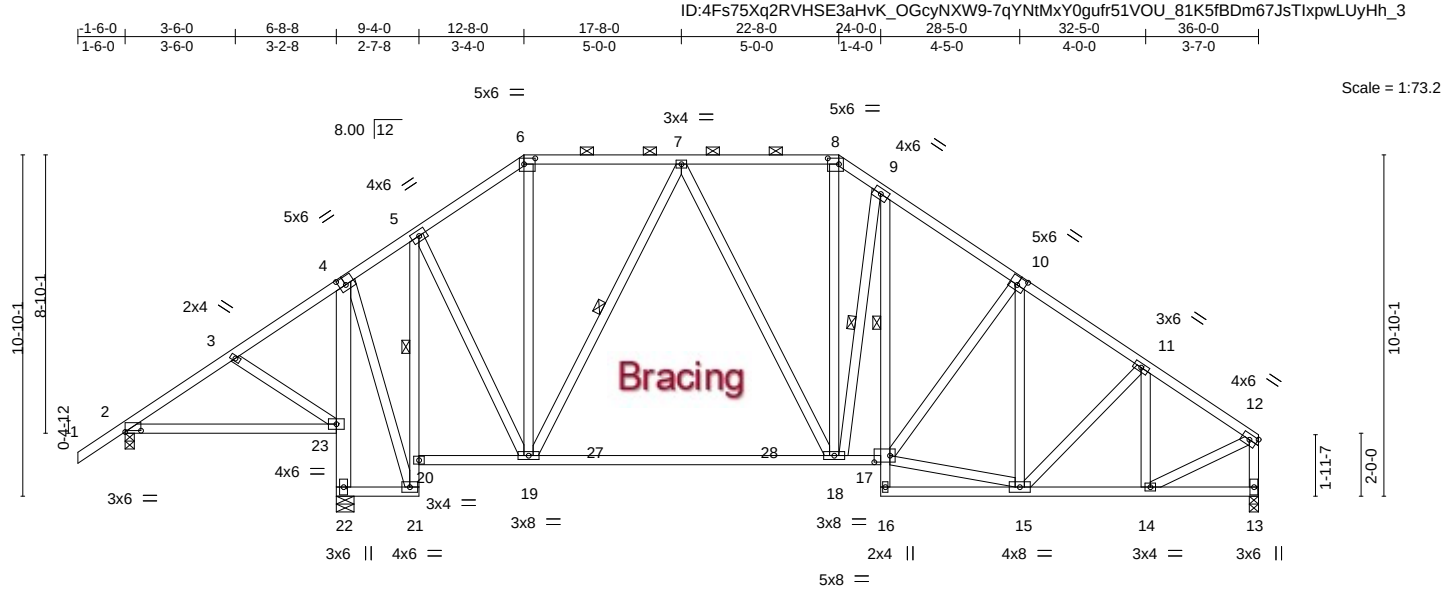


Plate Offsets (X,Y)-- [2:0-6-0,0-0-8], [4:0-2-8,0-3-0], [6:0-4-4,0-2-4], [8:0-4-4,0-2-4], [10:0-3-0,0-3-0], [17:0-6-0,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	-0.29	18-19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.47	18-19	>733	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.05	13	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 304 lb	FT = 20%

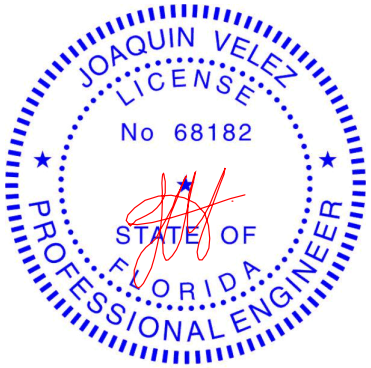
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-22: 2x6 SP No.2, 5-21,9-16: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
1 Row at midpt 5-20, 9-17
WEBS 1 Row at midpt 7-19, 9-18

REACTIONS. (size) 2=0-3-8, 22=0-6-12, 13=0-3-8
Max Horz 2=291(LC 11)
Max Uplift 2=-201(LC 13), 22=-544(LC 12), 13=-459(LC 13)
Max Grav 2=279(LC 23), 22=1419(LC 1), 13=1050(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-259/305, 3-4=-236/305, 4-5=-441/402, 5-6=-697/501, 6-7=-614/464, 7-8=-862/585, 8-9=-1032/690, 9-10=-1087/655, 10-11=-1112/596, 11-12=-1017/476, 12-13=-1015/480
BOT CHORD 22-23=-1438/734, 4-23=-1265/481, 20-21=-794/253, 5-20=-829/253, 18-19=-184/723, 17-18=-228/835, 14-15=-343/807
WEBS 4-21=-269/906, 5-19=-138/622, 7-19=-531/264, 7-18=-66/275, 8-18=-281/495, 9-18=-415/360, 15-17=-317/808, 12-14=-367/876, 11-14=-324/191, 3-23=-259/243

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=201, 22=544, 13=459.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T08	Piggyback Base	3	1	T21941183
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:12 2020 Page 1
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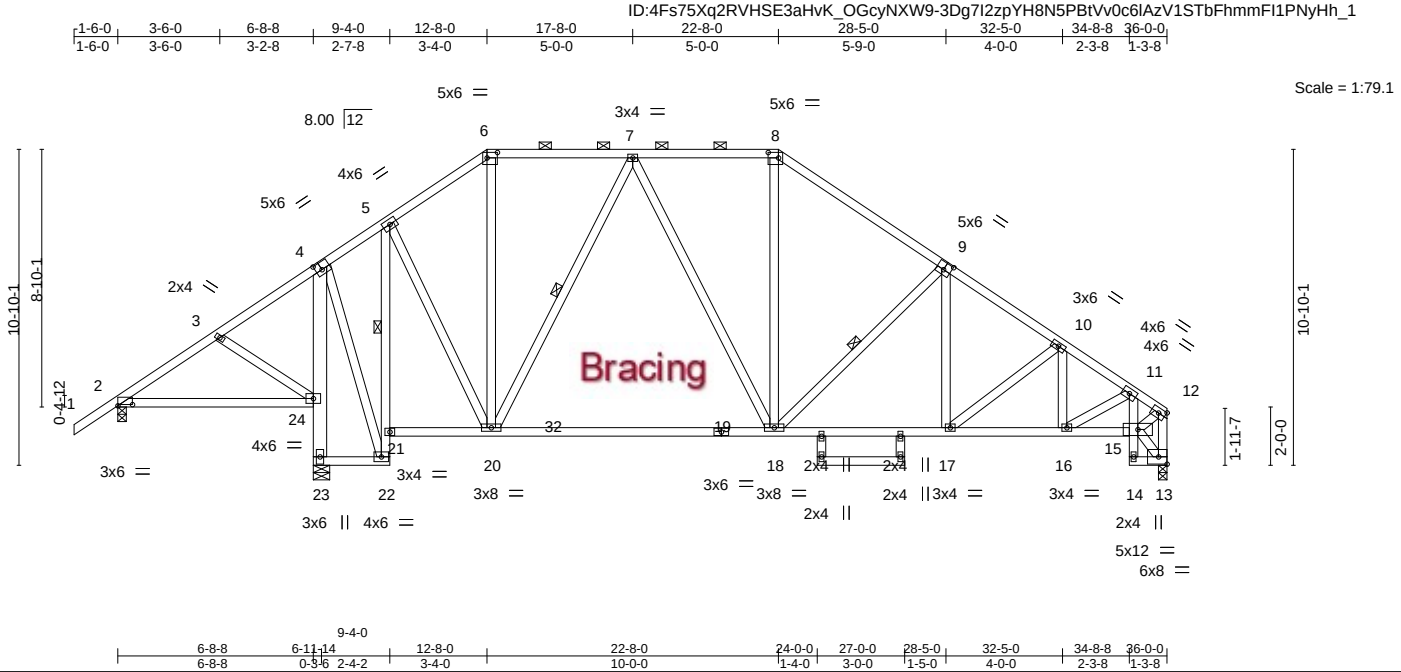


Plate Offsets (X,Y)-- [2:0-6-0,0-0-8], [4:0-2-8,0-3-0], [6:0-4-4,0-2-4], [8:0-4-4,0-2-4], [9:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.35	18-20	>995	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.55	18-20	>629	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.07	13	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 281 lb	FT = 20%

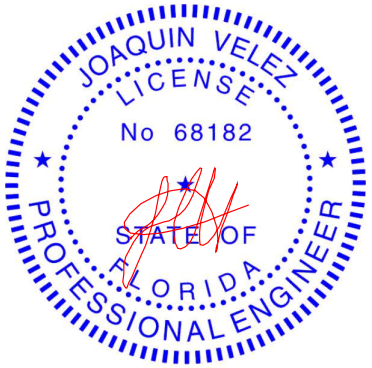
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-23: 2x6 SP No.2, 5-22,11-14,25-26: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-1 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
1 Row at midpt 5-21
WEBS 1 Row at midpt 7-20, 9-18

REACTIONS. (size) 2=0-3-8, 23=0-6-12, 13=0-3-8
Max Horz 2=291(LC 11)
Max Uplift 2=-200(LC 13), 23=-545(LC 12), 13=-459(LC 13)
Max Grav 2=277(LC 23), 23=1422(LC 1), 13=1050(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-257/303, 3-4=-234/306, 4-5=-439/402, 5-6=-696/501, 6-7=-614/464, 7-8=-862/588, 8-9=-1048/621, 9-10=-1295/664, 10-11=-1311/618, 11-12=-857/394, 12-13=-1004/459
BOT CHORD 23-24=-1440/735, 4-24=-1268/482, 21-22=-796/254, 5-21=-843/254, 18-20=-185/721, 17-18=-393/1041, 16-17=-444/1063, 15-16=-331/732, 11-15=-511/251
WEBS 4-22=-270/907, 5-20=-137/635, 7-20=-526/262, 7-18=-75/280, 8-18=-142/326, 9-18=-458/322, 11-16=-130/382, 12-15=-385/854, 3-24=-259/243

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=200, 23=545, 13=459.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T09	Piggyback Base	4	1	T21941184
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:13 2020 Page 1
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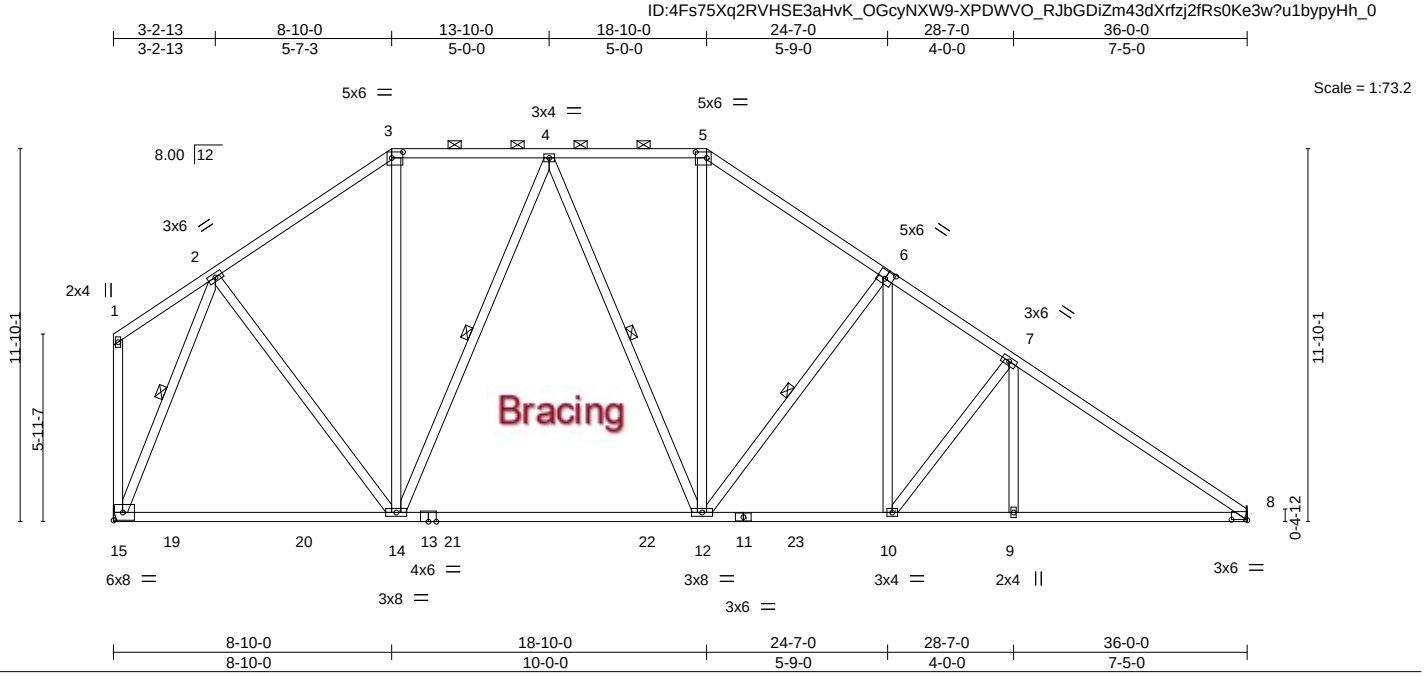


Plate Offsets (X,Y)-- [3:0-4-4,0-2-4], [5:0-4-4,0-2-4], [6:0-3-0,0-3-0], [8:0-6-0,0-0-3]

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	0.72	Vert(LL)	-0.24	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.39	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 260 lb	FT = 20%

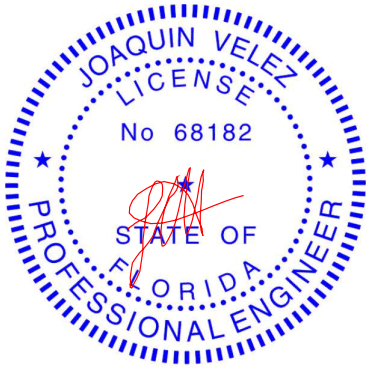
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31 *Except*
8-11: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-14,4-12: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-4 oc purlins, except end verticals, and 2-0-0 oc purlins (5-6-0 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 6-11-13 oc bracing.
WEBS 1 Row at midpt 4-14, 4-12, 6-12, 2-15

REACTIONS. (size) 15=Mechanical, 8=Mechanical
Max Horz 15=-397(LC 13)
Max Uplift 15=-453(LC 12), 8=-507(LC 13)
Max Grav 15=1406(LC 2), 8=1327(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1079/590, 3-4=-840/561, 4-5=-1094/697, 5-6=-1382/747, 6-7=-1719/851, 7-8=-2038/861
BOT CHORD 14-15=-276/635, 12-14=-272/1016, 10-12=-403/1382, 9-10=-586/1613, 8-9=-586/1613
WEBS 2-14=-199/573, 3-14=-146/371, 4-14=-546/333, 4-12=-172/368, 5-12=-204/503, 6-12=-638/417, 7-10=-505/319, 7-9=-12/265, 2-15=-1320/633, 6-10=-208/455

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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=453, 8=507.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T09G	GABLE	1	1	T21941185
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:16 2020 Page 1
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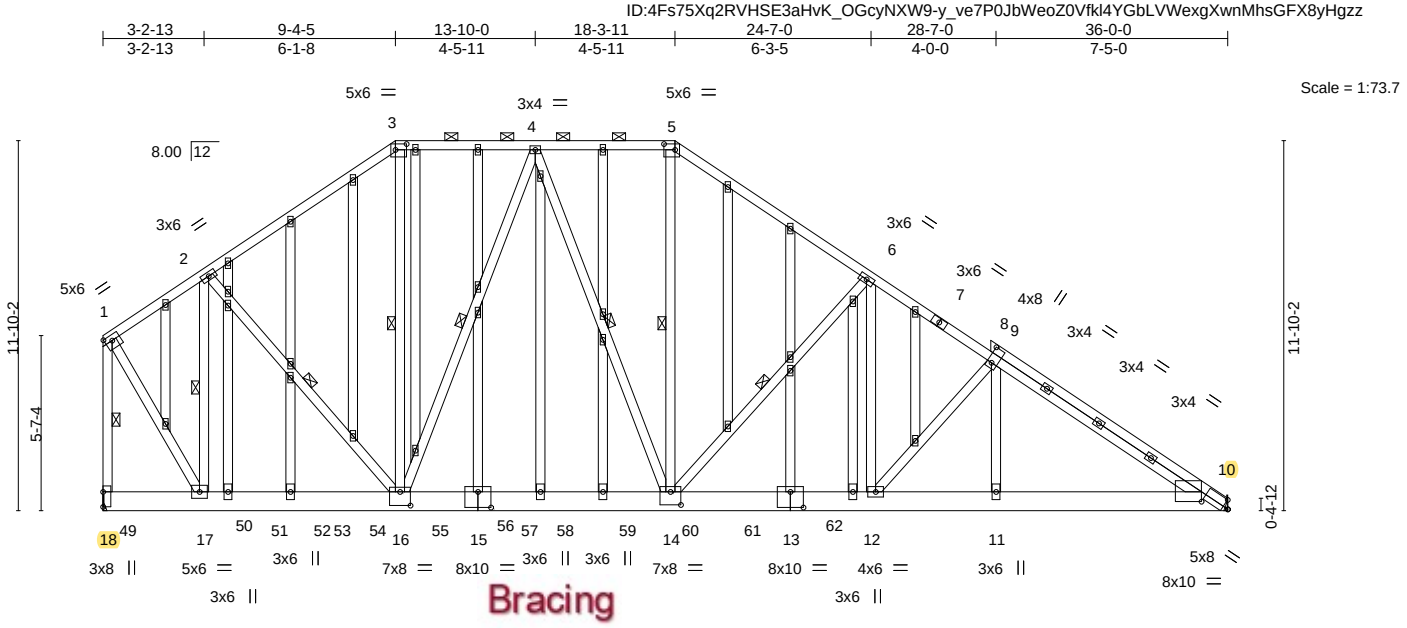

Plate Offsets (X,Y)-- [1:0-2-12,0-2-0], [3:0-4-4,0-2-4], [5:0-4-4,0-2-4], [9:0-6-0,0-1-12], [10:0-2-1,0-3-0], [10:0-10-2,0-2-15], [13:0-5-0,0-6-0], [14:0-4-0,0-5-0], [15:0-5-0,0-6-0], [16:0-4-0,0-5-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	1.00	Vert(LL)	0.21	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.29	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 475 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-7-11 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 9-5-9 oc bracing.
WEBS	1 Row at midpt 2-17, 2-16, 3-16, 4-16, 4-14, 5-14, 6-14, 1-18

REACTIONS. (size) 18=Mechanical, 10=Mechanical
Max Horz 18=-386(LC 9)
Max Uplift 18=-1691(LC 8), 10=-1167(LC 9)
Max Grav 18=2868(LC 1), 10=2320(LC 1)

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

TOP CHORD	1-2=-1389/823, 2-3=-2245/1363, 3-4=-1795/1215, 4-5=-2432/1553, 5-6=-3012/1760, 6-9=-3705/2009, 9-10=-3916/2006, 1-18=-2708/1576
BOT CHORD	17-18=-287/389, 16-17=-756/1298, 14-16=-1106/2158, 12-14=-1402/3080, 11-12=-1561/3276, 10-11=-1561/3276
WEBS	2-17=-1491/825, 2-16=-609/1008, 3-16=-649/999, 4-16=-1085/583, 4-14=-461/853, 5-14=-805/1345, 6-14=-1019/624, 6-12=-344/805, 9-12=-469/340, 9-11=-145/262, 1-17=-1278/2217

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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=1691, 10=1167.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 170 lb down and 152 lb up at 0-9-4, 166 lb down and 156 lb up at 2-9-4, 166 lb down and 156 lb up at 4-9-4, 166 lb down and 156 lb up at 6-9-4, 166 lb down and 156 lb up at 8-9-4, 166 lb down and 156 lb up at 10-9-4, 166 lb down and 156 lb up at 12-9-4, 166 lb down and 156 lb up at 14-9-4, 166 lb down and 156 lb up at 16-9-4, and 166 lb down and 156 lb up at 18-9-4, and 1020 lb down and 491 lb up at 20-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Date: November 19,2020

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NOTES-

13) 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: 1-3=-54, 3-5=-54, 5-10=-54, 10-18=-20
   Concentrated Loads (lb)
   Vert: 49=-155(B) 50=-152(B) 51=-152(B) 53=-152(B) 54=-152(B) 55=-152(B) 57=-152(B) 58=-152(B) 59=-152(B) 60=-152(B) 61=-1020(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T10	Piggyback Base	1	1	T21941186
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:18 2020 Page 1

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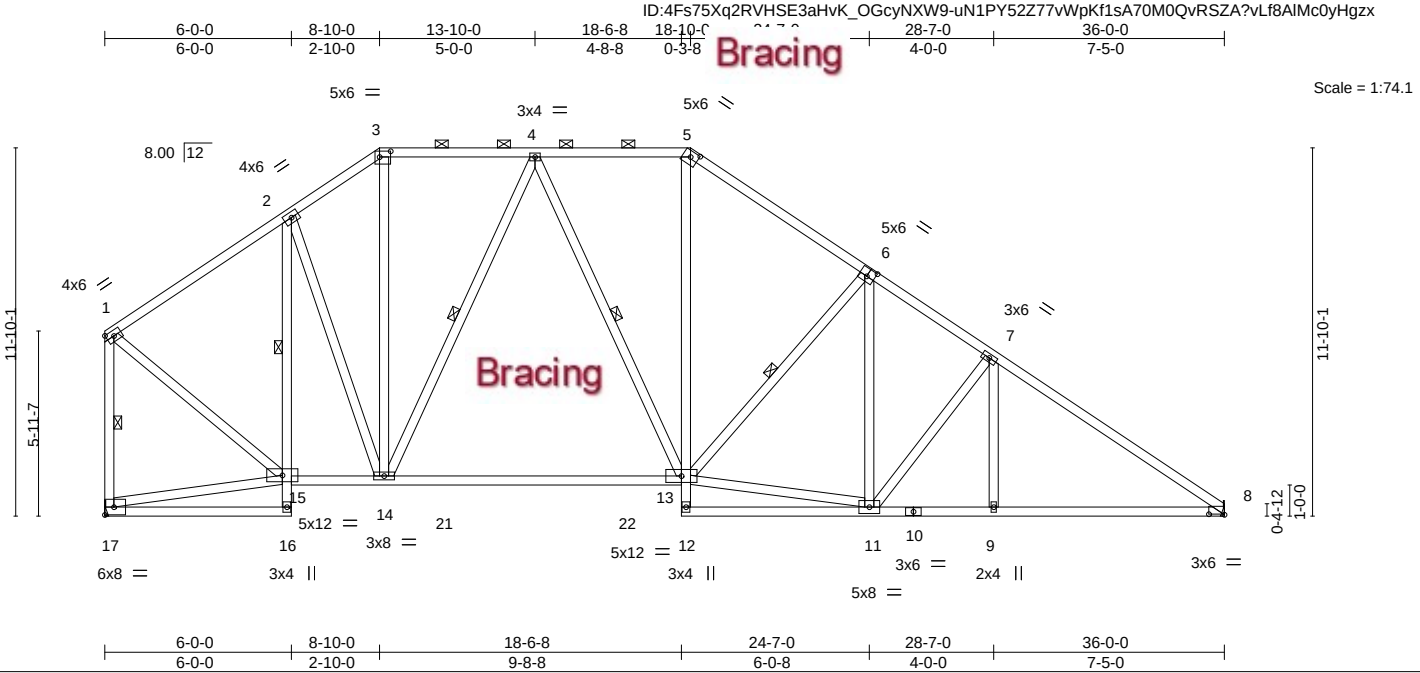


Plate Offsets (X,Y)-- [3:0-4-4,0-2-4], [5:0-3-0,0-2-3], [6:0-3-0,0-3-0], [8:0-6-0,0-0-3]

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	0.72	Vert(LL)	-0.29	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.51	13-14	>852	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 283 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-16,5-12: 2x4 SP No.3, 13-15: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-

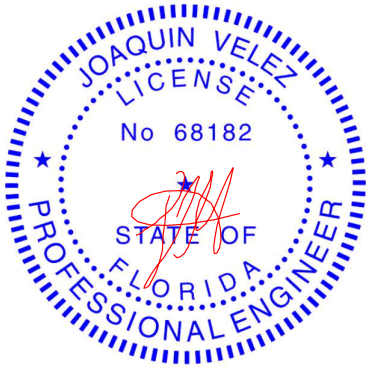
TOP CHORD Structural wood sheathing directly applied or 2-7-9 oc purlins, except end verticals, and 2-0-0 oc purlins (5-4-1 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 2-15
WEBS 1 Row at midpt 4-14, 4-13, 1-17, 6-13

REACTIONS. (size) 17=Mechanical, 8=Mechanical
Max Horz 17=-397(LC 13)
Max Uplift 17=-381(LC 12), 8=-460(LC 13)
Max Grav 17=1327(LC 1), 8=1327(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-994/468, 2-3=-1085/644, 3-4=-867/561, 4-5=-1140/713, 5-6=-1449/767, 6-7=-1711/853, 7-8=-2037/861, 1-17=-1263/585
BOT CHORD 2-15=-631/290, 14-15=-315/826, 13-14=-299/1065, 5-13=-216/505, 9-11=-587/1612, 8-9=-587/1612
WEBS 2-14=-213/432, 3-14=-237/459, 4-14=-550/318, 4-13=-169/345, 6-11=-169/289, 7-11=-498/323, 1-15=-376/970, 15-17=-325/359, 11-13=-382/1382, 6-13=-511/385

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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=381, 8=460.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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6904 Parke East Blvd. Tampa FL 33610
Date:

November 19,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T11	Piggyback Base	1	1	T21941187
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:19 2020 Page 1
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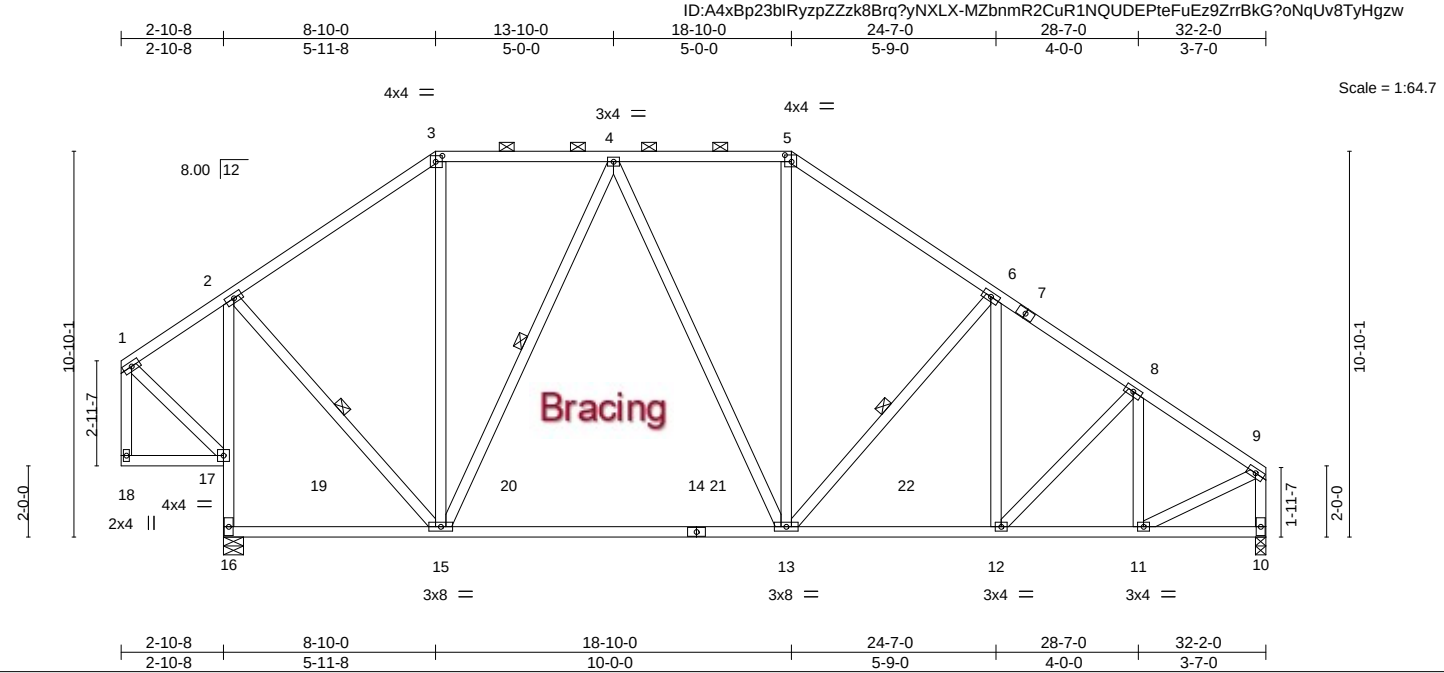


Plate Offsets (X,Y)-- [3:0-2-4,0-2-0], [5:0-2-4,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.35	13-15	>985	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.55	13-15	>637	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 242 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 2-16: 2x4 SP No.3
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-4-13 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 2-15, 4-15, 6-13

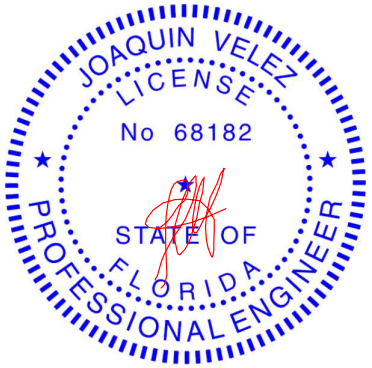
REACTIONS. (size) 16=0-6-12, 10=0-3-8
Max Horz 16=-268(LC 13)
Max Uplift 16=-500(LC 8), 10=-534(LC 8)
Max Grav 16=1327(LC 2), 10=1062(LC 1)

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

TOP CHORD	2-3=-691/817, 3-4=-510/752, 4-5=-774/1042, 5-6=-1003/1162, 6-8=-1133/1258, 8-9=-1029/1091, 9-10=-1028/1074
BOT CHORD	16-17=-1259/1200, 2-17=-1189/1191, 15-16=-244/270, 13-15=-540/696, 12-13=-885/911, 11-12=-850/815
WEBS	2-15=-726/791, 4-15=-501/463, 4-13=-230/331, 5-13=-440/297, 6-13=-363/384, 9-11=-916/883, 8-11=-322/251

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x6 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=500, 10=534.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T12	Common	2	1	T21941188
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:20 2020 Page 1
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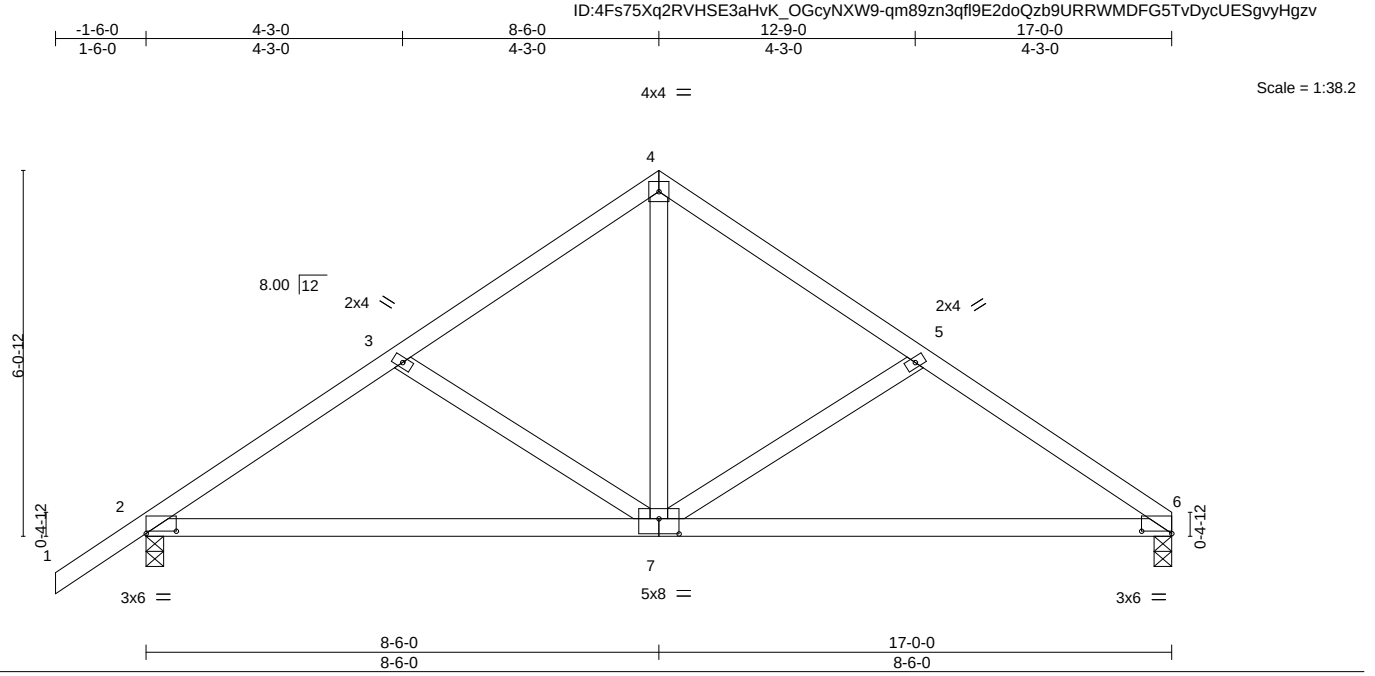


Plate Offsets (X,Y)-- [2:0-6-0,0-0-7], [6:0-6-0,0-0-7], [7:0-4-0,0-3-0]

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	0.32	Vert(LL)	-0.08	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.18	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 82 lb	FT = 20%

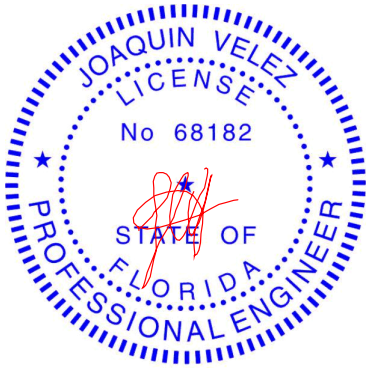
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=197(LC 9)
Max Uplift 6=-225(LC 13), 2=-279(LC 12)
Max Grav 6=625(LC 1), 2=714(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-858/400, 3-4=-684/330, 4-5=-684/332, 5-6=-864/406
BOT CHORD 2-7=-307/735, 6-7=-269/700
WEBS 4-7=-202/537, 5-7=-316/260, 3-7=-323/248

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 100 lb uplift at joint(s) except (jt=lb) 6=225, 2=279.



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November 19,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T12G	COMMON SUPPORTED GAB	1	1	T21941189
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:22 2020 Page 1
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-1-6-0 | 8-6-0 | 17-0-0 | 18-6-0
1-6-0 | 8-6-0 | 8-6-0 | 1-6-0

Scale = 1:37.9

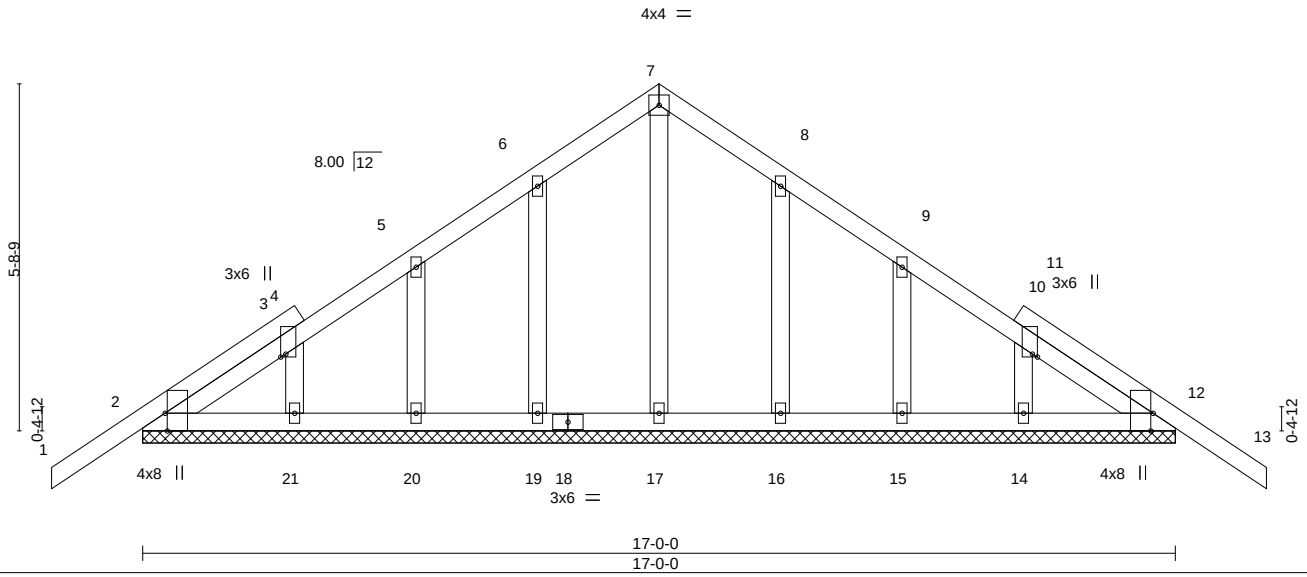


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-0-9,0-1-0], [11:0-0-9,0-1-0], [12:0-3-8,Edge]

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	0.16	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 99 lb	FT = 20%

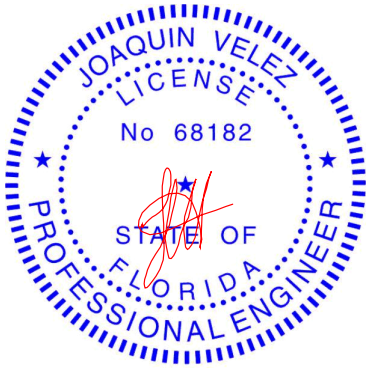
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 17-0-0.
(lb) - Max Horz 2=-197(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12 except 19=-117(LC 12), 20=-107(LC 12), 21=-100(LC 12), 16=-115(LC 13), 15=-110(LC 13), 14=-102(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 19, 20, 21, 16, 15, 14

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, 12 except (jt=lb) 19=117, 20=107, 21=100, 16=115, 15=110, 14=102.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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November 19,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T13	Common Girder	1	2	T21941190

Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:23 2020 Page 1
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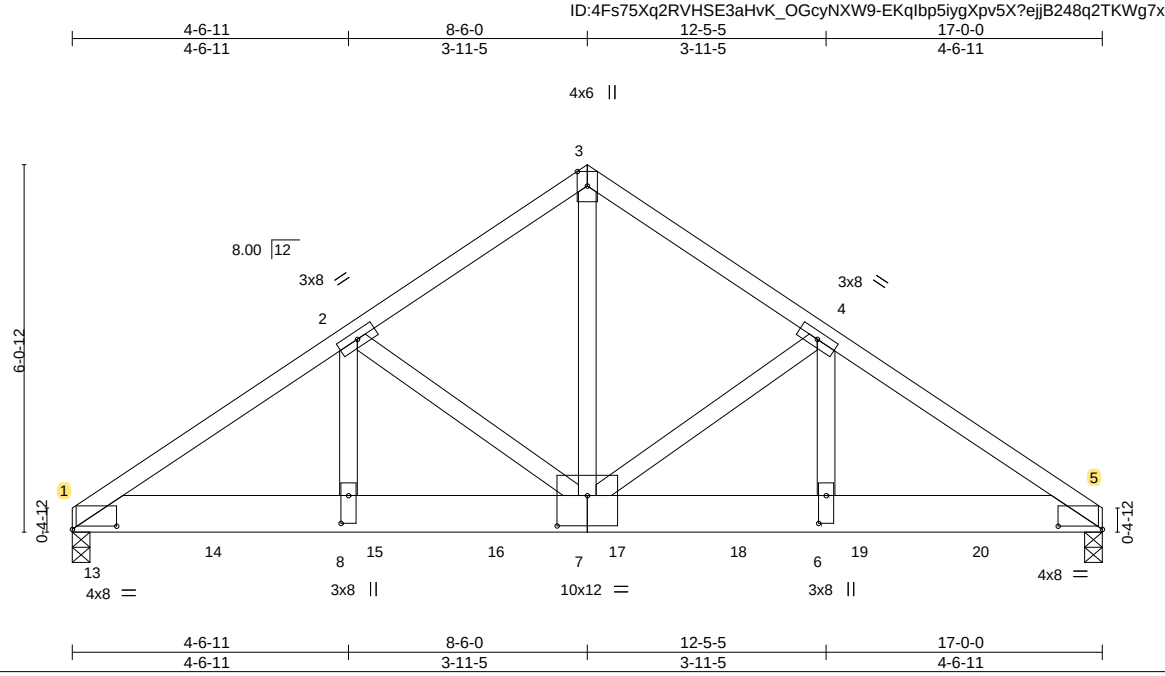


Plate Offsets (X,Y)-- [1:0-8-12,0-0-10], [5:0-8-12,0-0-10], [6:0-5-8,0-1-8], [7:0-6-0,0-6-0], [8:0-5-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	0.12	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.19	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 224 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
3-7: 2x4 SP No.2

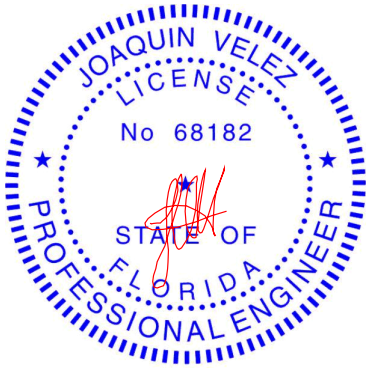
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=-176(LC 6)
Max Uplift 1=-2476(LC 8), 5=-2294(LC 9)
Max Grav 1=5921(LC 1), 5=5799(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-9218/3913, 2-3=-6319/2654, 3-4=-6334/2658, 4-5=-8849/3546
BOT CHORD 1-8=-3285/7634, 7-8=-3285/7634, 6-7=-2875/7337, 5-6=-2875/7337
WEBS 3-7=-2802/6724, 4-7=-2645/1123, 4-6=-1013/2774, 2-7=-3016/1498, 2-8=-1449/3221

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: 2x8 - 2 rows staggered at 0-5-0 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 100 lb uplift at joint(s) except (jt=lb) 1=2476, 5=2294.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 547 lb down and 218 lb up at 0-4-12, 541 lb down and 222 lb up at 2-4-12, 541 lb down and 222 lb up at 4-4-12, 2300 lb down and 1187 lb up at 5-0-12, 1307 lb down and 527 lb up at 7-0-12, 1307 lb down and 527 lb up at 9-0-12, 1307 lb down and 527 lb up at 11-0-12, and 1307 lb down and 527 lb up at 13-0-12, and 1307 lb down and 480 lb up at 15-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25



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Continued on page 2

MiTek
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Tampa, FL 36610

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-54, 1-5=-20

Concentrated Loads (lb)

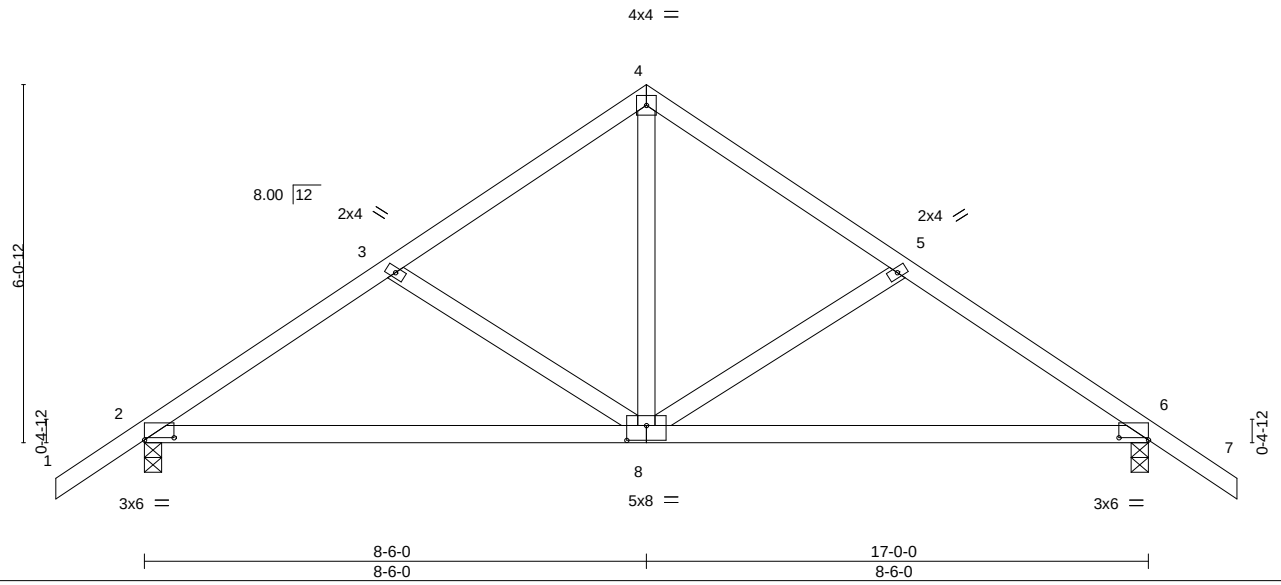
Vert: 8=-541(F) 13=-547(F) 14=-541(F) 15=-2300(F) 16=-1307(F) 17=-1307(F) 18=-1307(F) 19=-1307(F) 20=-1307(F)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T14	Common	1	1	T21941191
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:24 2020 Page 1
ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-jXOgp86KjzfgXF6BCQEQbHg2Ysd6PjEXW6CgqgyHgzr

-1-6-0	4-3-0	8-6-0	12-9-0	17-0-0	18-6-0
1-6-0	4-3-0	4-3-0	4-3-0	4-3-0	1-6-0

Scale = 1:39.0



8-6-0	17-0-0
8-6-0	8-6-0

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

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	0.29	Vert(LL)	-0.08	8-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.17	8-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 84 lb	FT = 20%

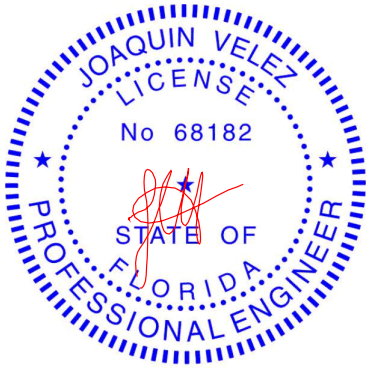
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-208(LC 10)
Max Uplift 2=-278(LC 12), 6=-278(LC 13)
Max Grav 2=710(LC 1), 6=710(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-850/389, 3-4=-677/319, 4-5=-676/319, 5-6=-850/389
BOT CHORD 2-8=-285/748, 6-8=-211/683
WEBS 4-8=-185/525, 5-8=-323/249, 3-8=-323/248

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 100 lb uplift at joint(s) except (jt=lb) 2=278, 6=278.



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November 19,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T14G	Common Supported Gable	1	1	T21941192

Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:26 2020 Page 1
ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-fvWQEq8bFbvNmYGaKrGugilQCgSnteTq_QhnuZyHgzp

-1-6-0 | 8-6-0 | 17-0-0 | 18-6-0
1-6-0 | 8-6-0 | 8-6-0 | 1-6-0

Scale = 1:37.9

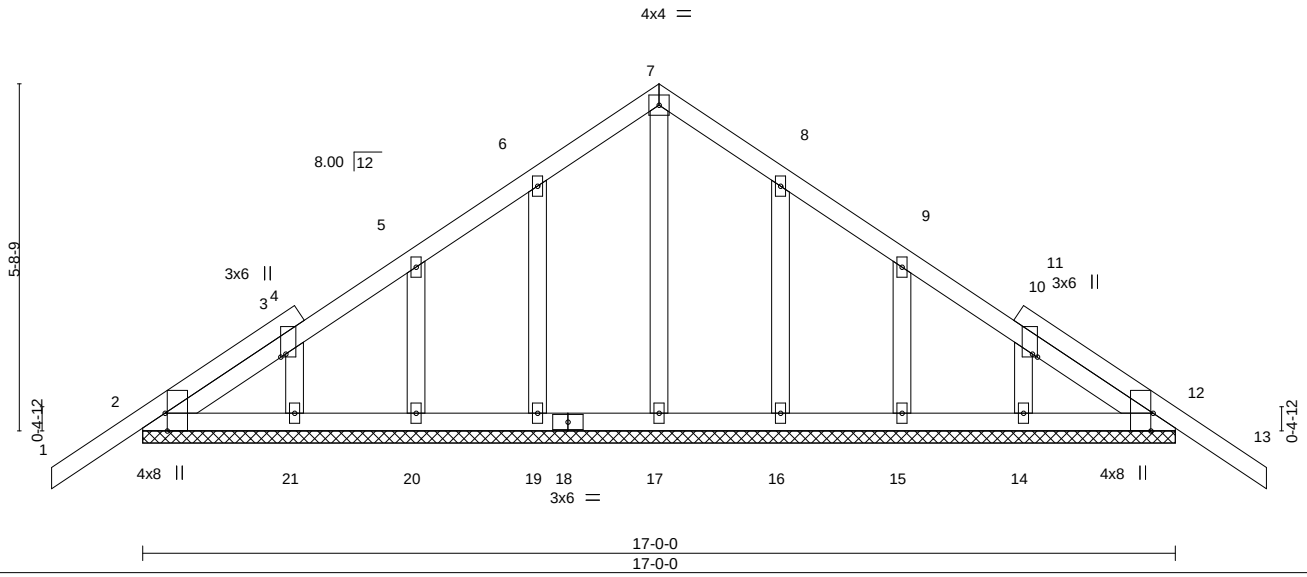


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-0-9,0-1-0], [11:0-0-9,0-1-0], [12:0-3-8,Edge]

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	0.16	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 99 lb	FT = 20%

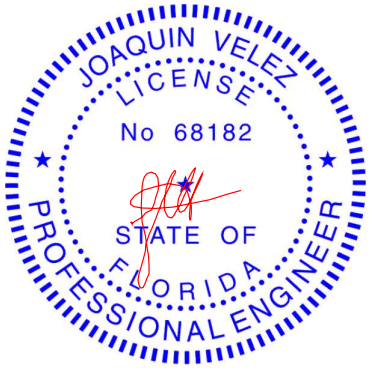
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 17-0-0.
(lb) - Max Horz 2=-197(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12 except 19=-117(LC 12), 20=-107(LC 12), 21=-100(LC 12), 16=-115(LC 13), 15=-110(LC 13), 14=-102(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 19, 20, 21, 16, 15, 14

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, 12 except (jt=lb) 19=117, 20=107, 21=100, 16=115, 15=110, 14=102.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 12.



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November 19,2020

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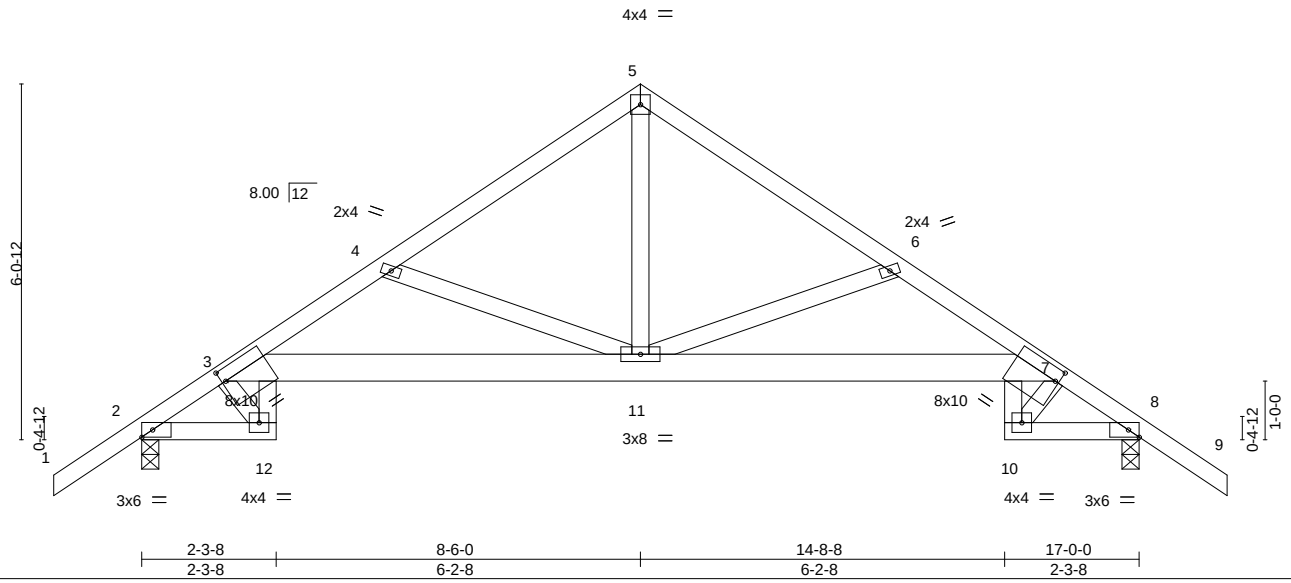
Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T15	Roof Special	4	1	T21941193
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:27 2020 Page 1
ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-764oRA9D0u1EOirmtZn7DwISx4cRc3qzD4QKQ?yHgzo

-1-6-0	2-3-8	4-3-0	8-6-0	12-9-0	14-8-8	17-0-0	18-6-0
1-6-0	2-3-8	1-11-8	4-3-0	4-3-0	1-11-8	2-3-8	1-6-0

Scale = 1:39.3



2-3-8	8-6-0	14-8-8	17-0-0
2-3-8	6-2-8	6-2-8	2-3-8

Plate Offsets (X,Y)-- [3:0-0-12,0-2-8], [7:0-0-12,0-2-8], [8:0-2-3,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	0.67	Vert(LL)	0.18	12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.33	7-11	>618	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.35	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 101 lb	FT = 20%

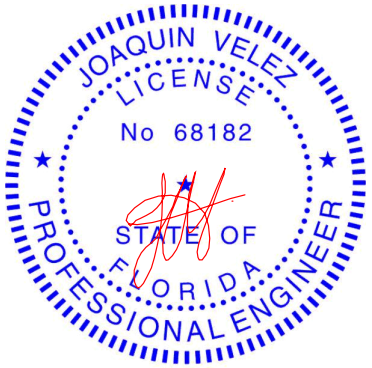
LUMBER-
TOP CHORD 2x4 SP M 31
BOT CHORD 2x4 SP No.2 *Except*
3-12,7-10: 2x4 SP No.3, 3-7: 2x6 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-208(LC 10)
Max Uplift 2=-275(LC 12), 8=-275(LC 13)
Max Grav 2=720(LC 1), 8=720(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-14=-430/243, 3-4=-1169/483, 4-5=-855/342, 5-6=-855/343, 6-7=-1169/489, 7-8=-413/228
BOT CHORD 3-11=-420/1130, 7-11=-310/1036
WEBS 5-11=-214/726, 6-11=-499/300, 4-11=-485/333

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 100 lb uplift at joint(s) except (jt=lb) 2=275, 8=275.



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November 19,2020

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T16	Common	2	1	T21941194
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:28 2020 Page 1
ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-bIdBfW9rnC95?sPyRGIMl7rjCU_zLXC7RkAtzRyHgzn

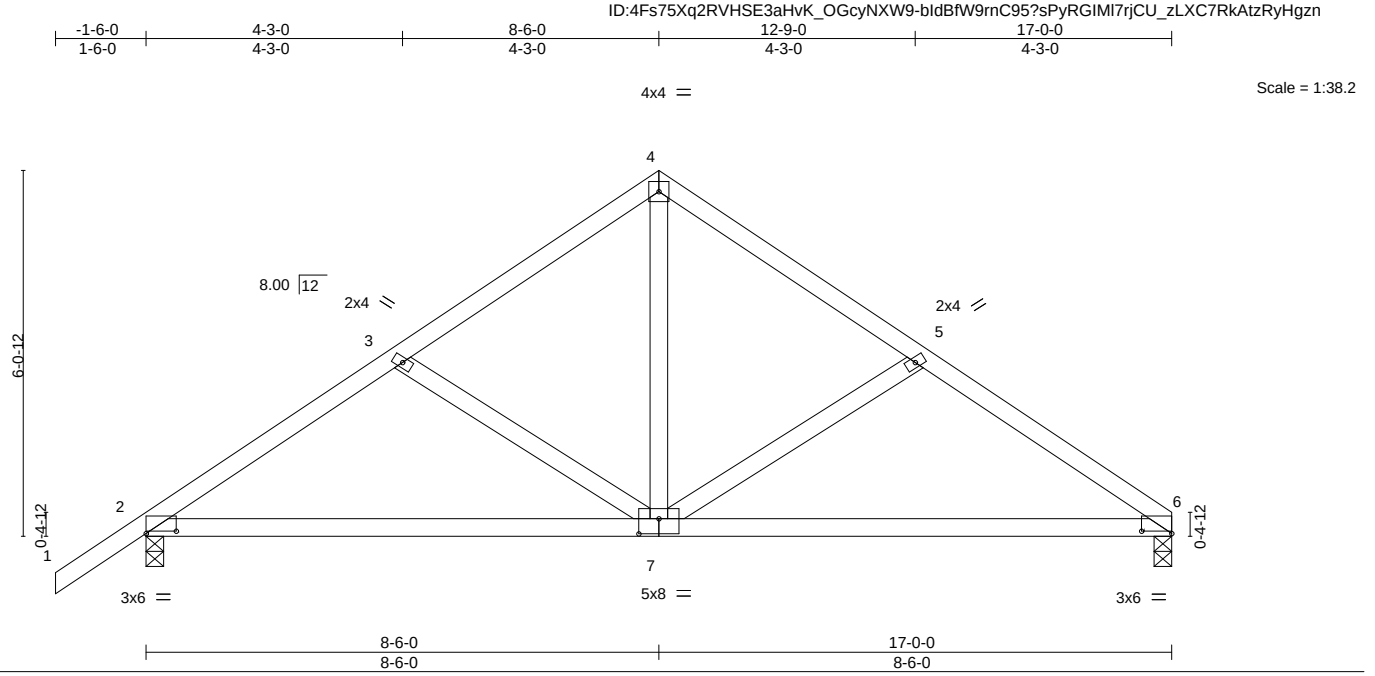


Plate Offsets (X,Y)-- [2:0-6-0,0-0-8], [6:0-6-0,0-0-7], [7:0-4-0,0-3-0]

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	0.32	Vert(LL)	-0.08	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.18	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 82 lb	FT = 20%

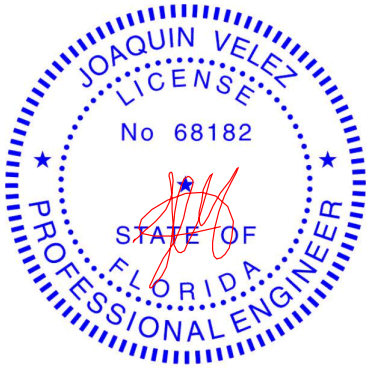
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=197(LC 9)
Max Uplift 6=-225(LC 13), 2=-279(LC 12)
Max Grav 6=625(LC 1), 2=714(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-858/400, 3-4=-684/330, 4-5=-684/332, 5-6=-864/406
BOT CHORD 2-7=-307/735, 6-7=-269/700
WEBS 4-7=-202/537, 5-7=-316/260, 3-7=-323/248

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 100 lb uplift at joint(s) except (jt=lb) 6=225, 2=279.



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November 19,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T17	Common Girder	1	2	T21941195

Job Reference (optional)

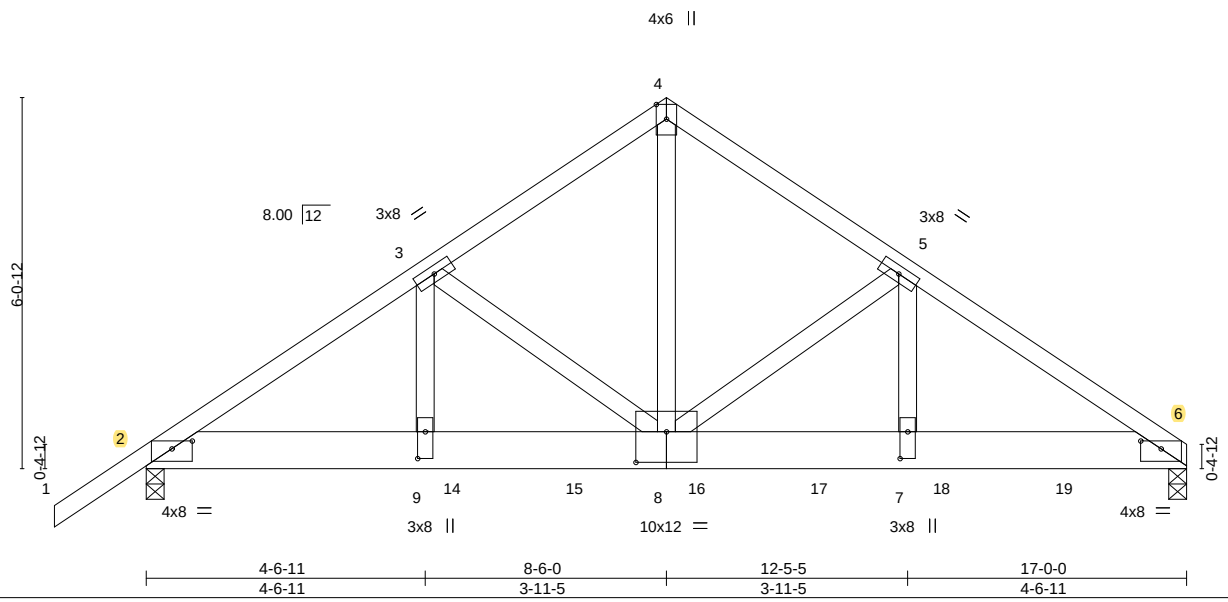
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:30 2020 Page 1

ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-Xhlx4CB5IpPpFAZLZhLqrYw0QHjCpIoQv2f_1KyHgzI

-1-6-0 | 4-6-11 | 8-6-0 | 12-5-5 | 17-0-0

1-6-0 | 4-6-11 | 3-11-5 | 3-11-5 | 4-6-11

Scale = 1:37.6



4-6-11 | 8-6-0 | 12-5-5 | 17-0-0

4-6-11 | 3-11-5 | 3-11-5 | 4-6-11

Plate Offsets (X,Y)-- [2:0-4-0,0-1-9], [6:0-4-0,0-1-9], [7:0-5-4,0-1-8], [8:0-6-0,0-6-0], [9:0-5-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	0.12	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.18	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 229 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
4-8: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-10-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

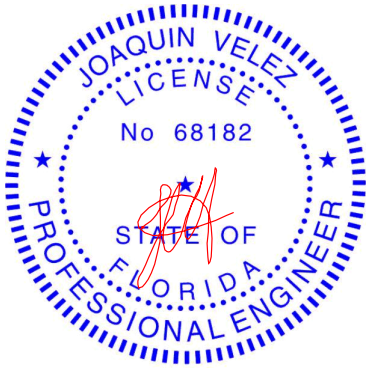
REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=197(LC 26)
Max Uplift 6=-2161(LC 9), 2=-2266(LC 8)
Max Grav 6=5725(LC 1), 2=4996(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-8697/3922, 3-4=-6218/2619, 4-5=-6222/2620, 5-6=-8771/3378
BOT CHORD 2-9=-3289/7184, 8-9=-3289/7184, 7-8=-2731/7278, 6-7=-2731/7278
WEBS 4-8=-2760/6656, 5-8=-2663/982, 5-7=-855/2840, 3-8=-2577/1542, 3-9=-1508/2743

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: 2x8 - 2 rows staggered at 0-4-0 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 100 lb uplift at joint(s) except (jt=lb) 6=2161, 2=2266.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2848 lb down and 1711 lb up at 5-0-12, 1386 lb down and 473 lb up at 7-0-12, 1386 lb down and 473 lb up at 9-0-12, 1386 lb down and 473 lb up at 11-0-12, and 1386 lb down and 473 lb up at 13-0-12, and 1307 lb down and 401 lb up at 15-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 2-6=-20



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Date:
November 19,2020

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

LOAD CASE(S) Standard

Concentrated Loads (lb)

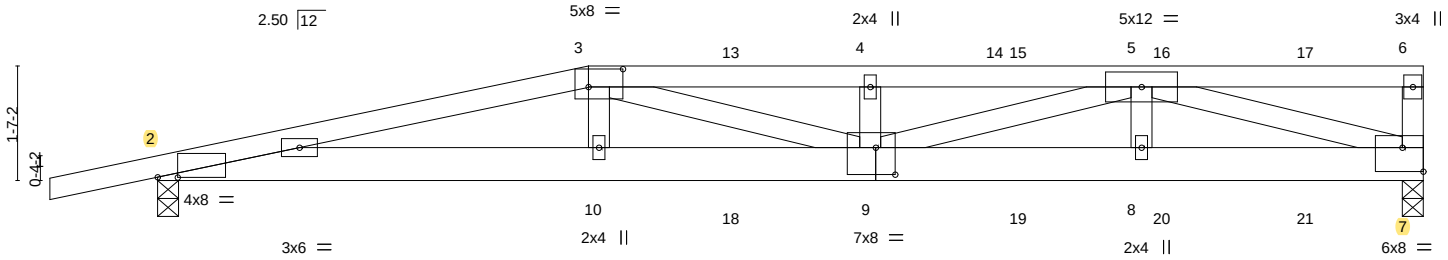
Vert: 14=-2848(B) 15=-1307(B) 16=-1307(B) 17=-1307(B) 18=-1307(B) 19=-1307(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T18	Half Hip Girder	1	1	T21941196
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:31 2020 Page 1
ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-?tJJHYCj37XgsK8X6Os3NmT5Chz6YgQZ7iOYZmyHgzk

-1-6-0 | 6-0-0 | 9-11-1 | 13-8-7 | 17-7-8
1-6-0 | 6-0-0 | 3-11-1 | 3-9-5 | 3-11-1

Scale: 3/8"=1'



6-0-0 | 9-11-1 | 13-8-7 | 17-7-8
6-0-0 | 3-11-1 | 3-9-5 | 3-11-1

Plate Offsets (X,Y)-- [2:0-3-6,0-0-1], [3:0-5-12,0-3-0], [7:Edge,0-4-0], [9:0-3-4,0-4-8]

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	0.84	Vert(LL)	0.42	9-10	>496	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.42	9-10	>497	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.98	Horz(CT)	-0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 91 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26 *Except*
7-9: 2x6 SP No.2
WEBS 2x4 SP No.3

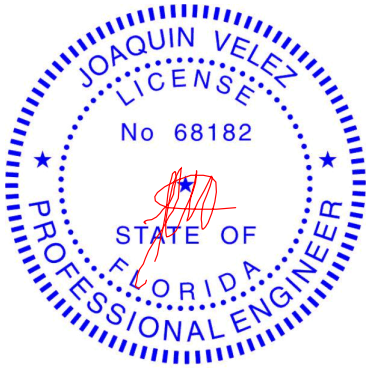
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-6-3 oc bracing.

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=82(LC 4)
Max Uplift 7=-984(LC 4), 2=-961(LC 4)
Max Grav 7=1221(LC 1), 2=1174(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4135/3304, 3-4=-4253/3432, 4-5=-4230/3414
BOT CHORD 2-10=-3251/4025, 9-10=-3296/4080, 8-9=-2454/3044, 7-8=-2454/3044
WEBS 3-10=-381/496, 4-9=-360/285, 5-9=-1010/1249, 5-8=-154/282, 5-7=-3035/2448

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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=984, 2=961.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 81 lb down and 108 lb up at 6-0-0, 81 lb down and 108 lb up at 8-0-12, 81 lb down and 108 lb up at 10-0-12, 81 lb down and 101 lb up at 12-0-12, and 81 lb down and 108 lb up at 14-0-12, and 81 lb down and 108 lb up at 16-0-12 on top chord, and 266 lb down and 310 lb up at 6-0-0, 63 lb down and 81 lb up at 8-0-12, 63 lb down and 81 lb up at 10-0-12, 63 lb down and 81 lb up at 12-0-12, and 63 lb down and 81 lb up at 14-0-12, and 63 lb down and 81 lb up at 16-0-12 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: 1-3=-54, 3-6=-54, 2-7=-20



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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

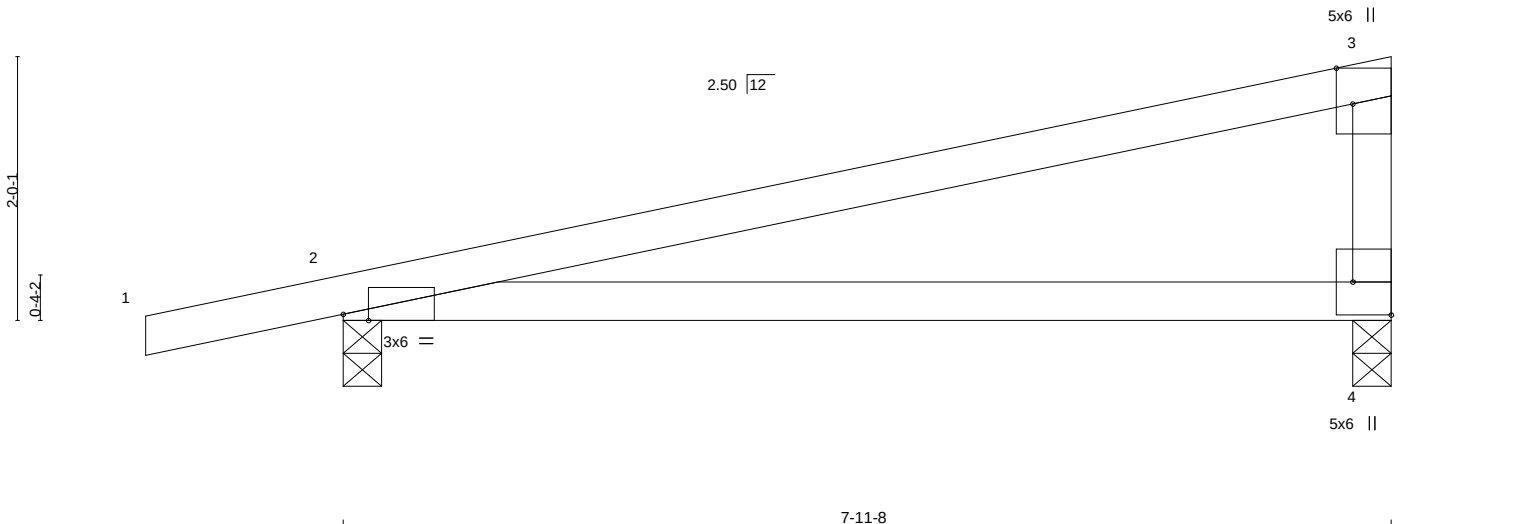
Vert: 3=-81(B) 10=-266(B) 9=-54(B) 4=-81(B) 13=-81(B) 15=-81(B) 16=-81(B) 17=-81(B) 18=-54(B) 19=-54(B) 20=-54(B) 21=-54(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T19	Monopitch	1	1	T21941197
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:32 2020 Page 1
ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-U3thUuCLqRfXUTjjg6NIwz?JO5LsHM0jMM856CyHgzj

-1-6-0 / 1-6-0 | 7-11-8 / 7-11-8

Scale = 1:17.5



7-11-8 / 7-11-8

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

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)	0.34	4-7	>275	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	0.29	4-7	>322	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: 28 lb	FT = 20%

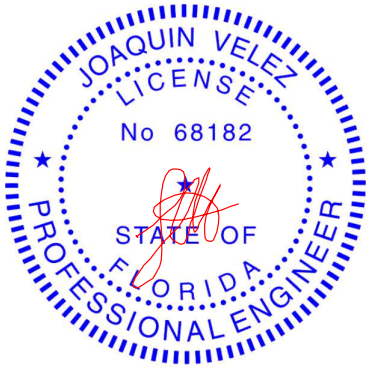
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-2-6 oc bracing.

REACTIONS. (size) 4=0-3-8, 2=0-3-8
Max Horz 2=99(LC 8)
Max Uplift 4=-225(LC 8), 2=-309(LC 8)
Max Grav 4=281(LC 1), 2=378(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-4=-274/164

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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=225, 2=309.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T20	Monopitch	5	1	T21941198
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:33 2020 Page 1
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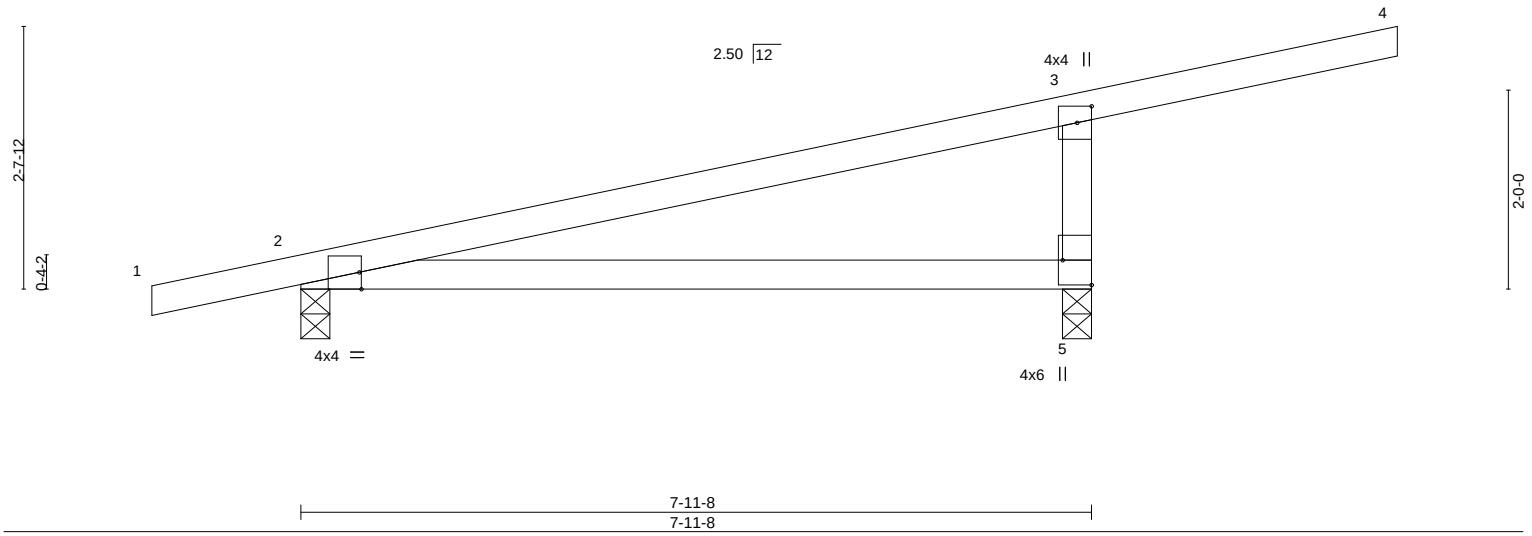
1-6-0 7-11-8 3-0-15

Scale = 1:23.2



7-11-8
7-11-8

Plate Offsets (X,Y)-- [2:0-0-4,Edge], [3:0-2-0,0-1-12], [5:Edge,0-3-8]

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	0.73	Vert(LL)	0.30	5-8	>313	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	0.26	5-8	>365	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: 33 lb	FT = 20%

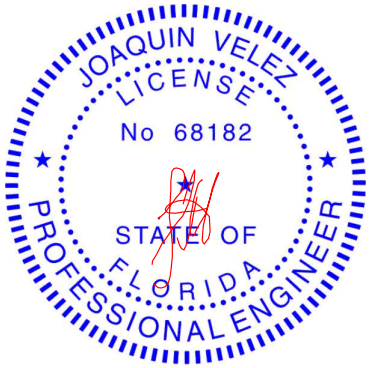
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-8-5 oc bracing.

REACTIONS. (size) 5=0-3-8, 2=0-3-8
Max Horz 2=127(LC 8)
Max Uplift 5=-361(LC 8), 2=-279(LC 8)
Max Grav 5=491(LC 1), 2=342(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-5=-393/537

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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=361, 2=279.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T21	Monopitch	4	1	T21941199
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:34 2020 Page 1
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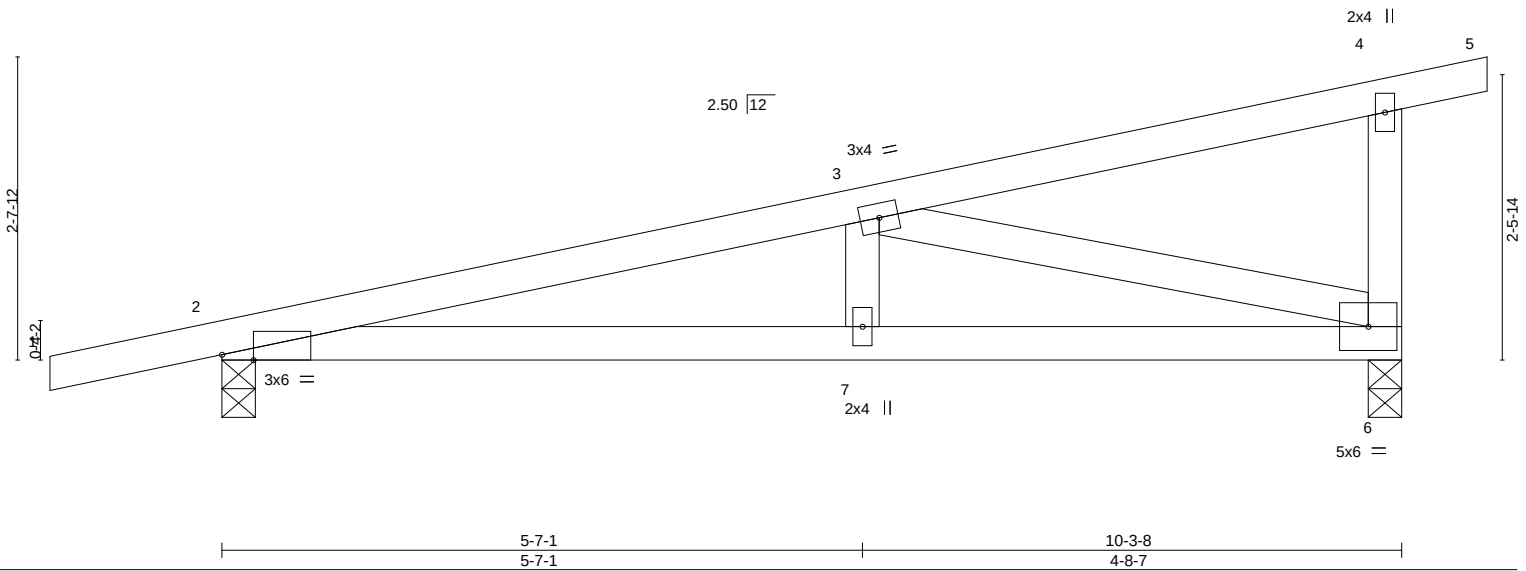
1-6-0 5-7-1 4-8-7 0-8-15

Scale = 1:20.1



5-7-1 10-3-8
5-7-1 4-8-7

Plate Offsets (X,Y)-- [2:0-3-5,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	0.46	Vert(LL)	0.11	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	0.09	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	-0.02	6	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 45 lb	FT = 20%

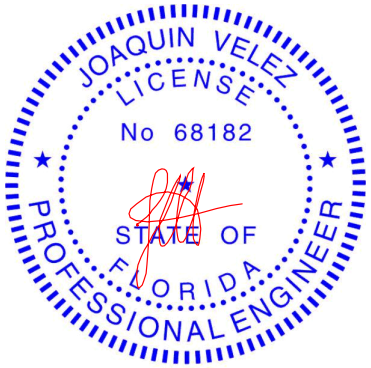
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-7-12 oc bracing.

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=131(LC 8)
Max Uplift 6=-329(LC 8), 2=-368(LC 8)
Max Grav 6=420(LC 1), 2=460(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-895/1298
BOT CHORD 2-7=-1374/862, 6-7=-1374/862
WEBS 3-7=-323/216, 3-6=-862/1375

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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=329, 2=368.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T22	Hip Girder	1	1	T21941200

Job Reference (optional)

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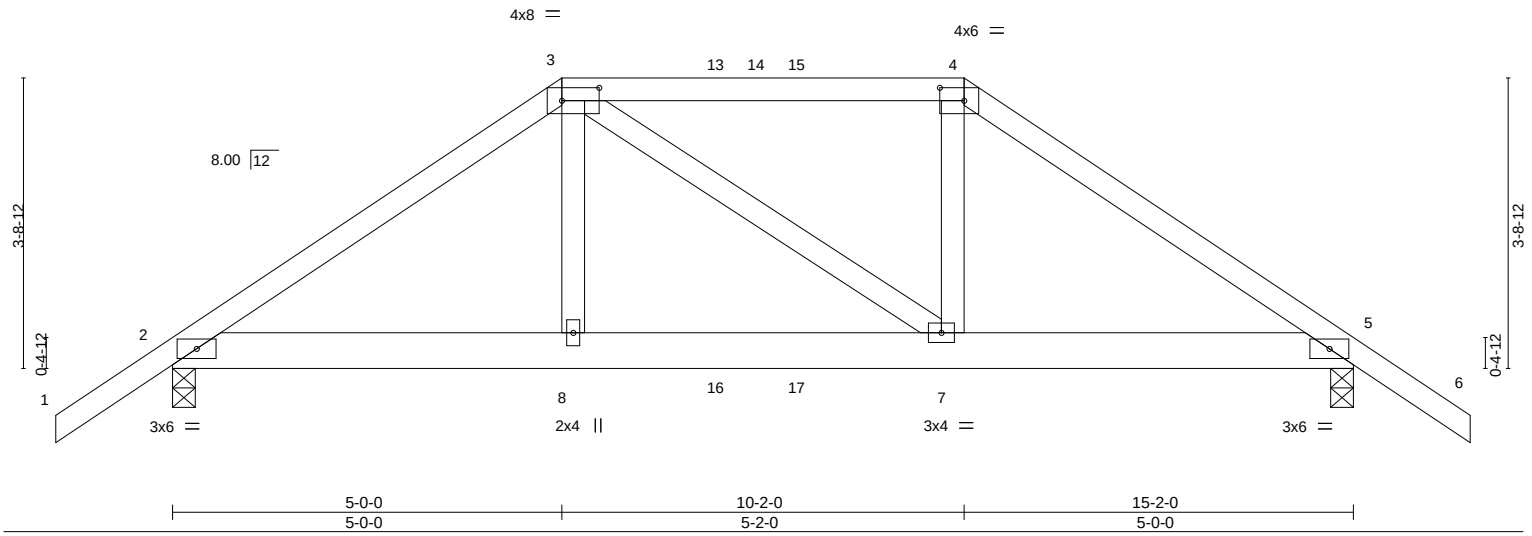
-1-6-0 5-0-0 10-2-0 15-2-0 16-8-0

1-6-0 5-0-0 5-2-0 5-0-0 1-6-0

Scale = 1:29.6



5-0-0 10-2-0 15-2-0

5-0-0 5-2-0 5-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	0.04	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.05	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.15	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 84 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-5-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-5-14 oc bracing.

REACTIONS. (size) 2=0-3-8, 5=0-3-8
Max Horz 2=-136(LC 25)
Max Uplift 2=-534(LC 8), 5=-557(LC 9)
Max Grav 2=916(LC 1), 5=945(LC 1)

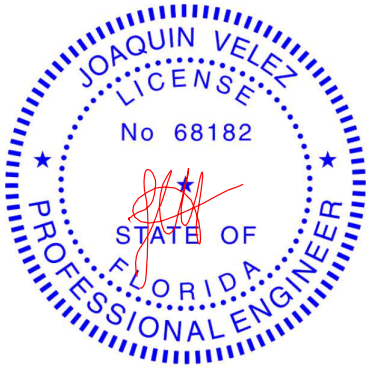
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1259/750, 3-4=-1045/718, 4-5=-1308/800
BOT CHORD 2-8=-592/1045, 7-8=-593/1058, 5-7=-591/1057
WEBS 3-8=-46/391, 4-7=-8/377

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=534, 5=557.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 129 lb down and 126 lb up at 5-0-0, 129 lb down and 117 lb up at 7-0-12, and 129 lb down and 117 lb up at 8-1-4, and 277 lb down and 288 lb up at 10-2-0 on top chord, and 147 lb down and 50 lb up at 5-0-0, 53 lb down and 22 lb up at 7-0-12, and 53 lb down and 22 lb up at 8-1-4, and 147 lb down and 50 lb up at 10-1-4 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: 1-3=-54, 3-4=-54, 4-6=-54, 2-5=-20
Concentrated Loads (lb)
Vert: 3=-59(B) 4=-143(B) 8=-91(B) 7=-91(B) 13=-59(B) 15=-59(B) 16=-38(B) 17=-38(B)



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T23	Hip	1	1	T21941201
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:36 2020 Page 1
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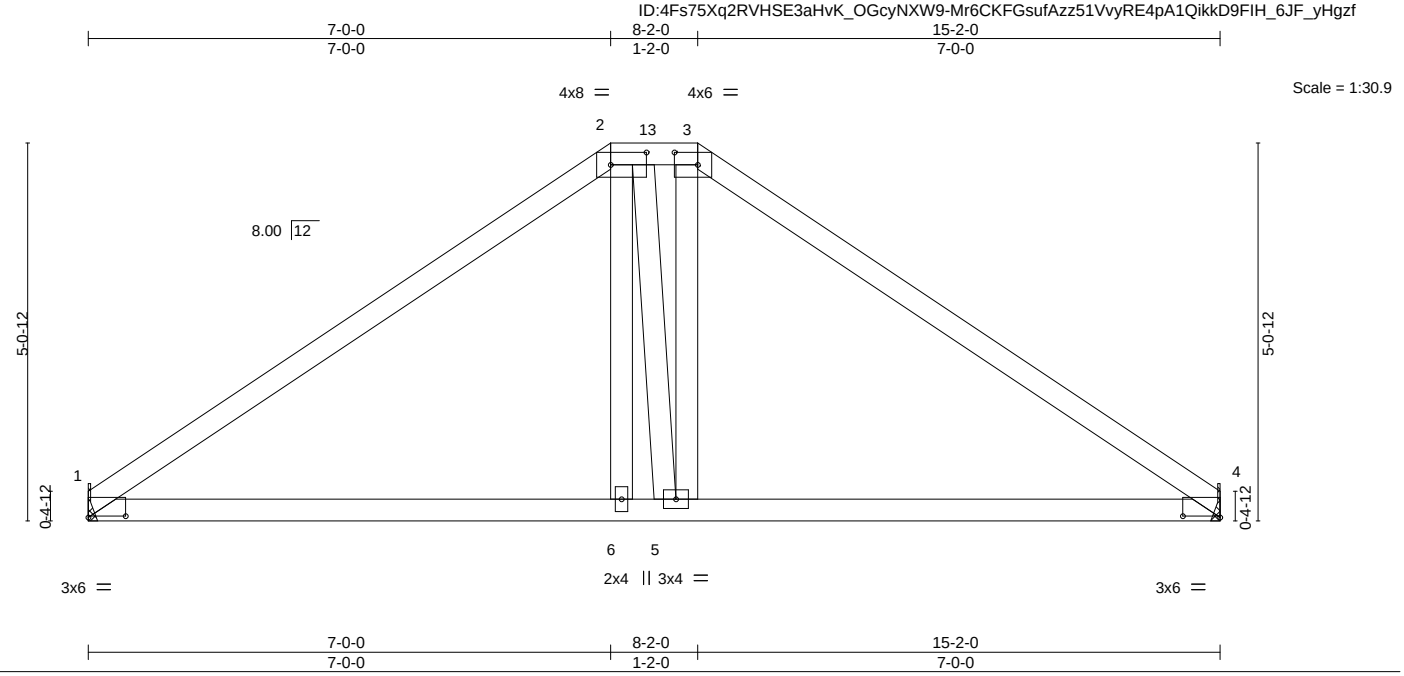


Plate Offsets (X,Y)-- [1:0-6-0,0-0-3], [2:0-5-12,0-2-0], [3:0-3-12,0-2-0], [4:0-6-0,0-0-3]

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	0.56	Vert(LL)	0.12	5-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.15	5-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.01	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 70 lb	FT = 20%

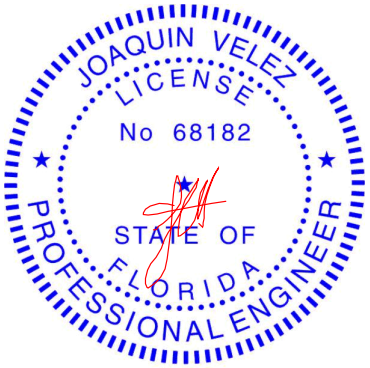
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=Mechanical, 4=Mechanical
Max Horz 1=146(LC 9)
Max Uplift 1=-204(LC 12), 4=-204(LC 13)
Max Grav 1=561(LC 1), 4=561(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-699/313, 2-3=-583/349, 3-4=-694/311
BOT CHORD 1-6=-150/500, 5-6=-153/503, 4-5=-128/496
WEBS 2-5=-256/285

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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=204, 4=204.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - HANDY RES.
2524511	T24	Common	2	1	T21941202
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 07:56:37 2020 Page 1
ID:4Fs75Xq2RVHSE3aHvK_OGcyNXW9-q1gaYbGUfzIqbFchTfzTd1jA563ryb9SWdrsnQyHgze

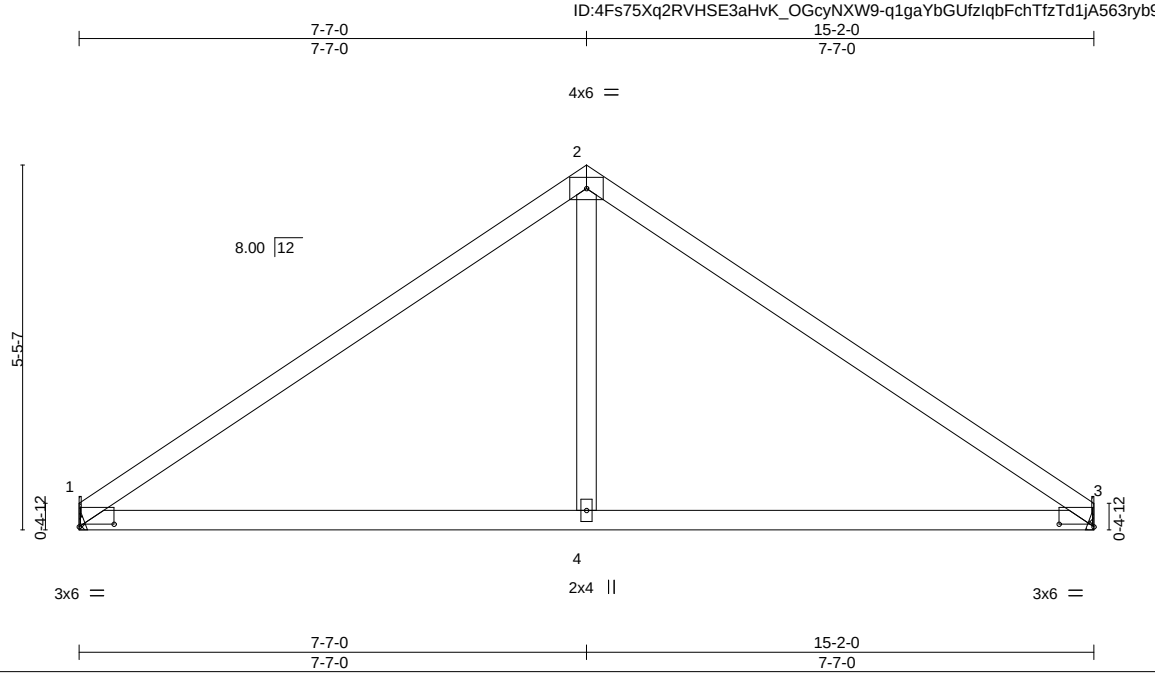


Plate Offsets (X,Y)-- [1:0-6-4,0-0-7], [3:0-6-4,0-0-7]

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	0.69	Vert(LL)	0.16	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.20	4-10	>923	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 57 lb	FT = 20%

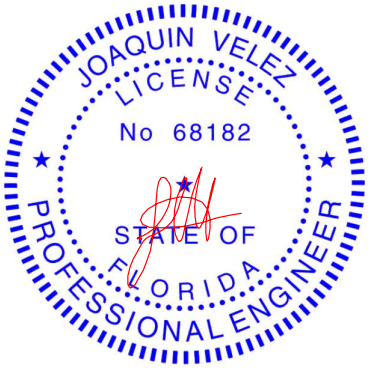
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=Mechanical, 3=Mechanical
Max Horz 1=-157(LC 8)
Max Uplift 1=-202(LC 12), 3=-202(LC 13)
Max Grav 1=561(LC 1), 3=561(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-692/303, 2-3=-692/303
BOT CHORD 1-4=-129/490, 3-4=-129/490
WEBS 2-4=-40/356

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) 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) 1=202, 3=202.



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Date:
November 19,2020

MiTek
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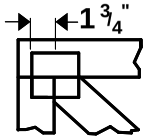
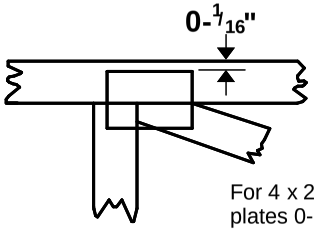
Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

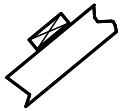
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

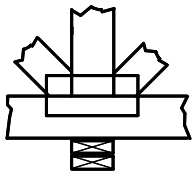
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

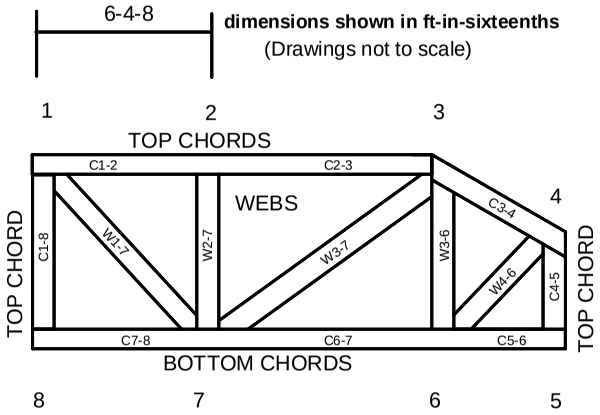


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.