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

RE: 2344397 - BLAKE CONST. - REITER RES.

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

Site Information:

Customer Info: Blake Const. Project Name: Reiter Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

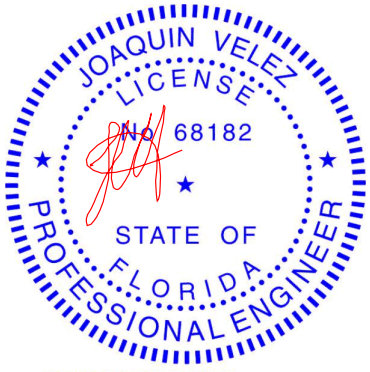
Design Code: FBC2017/TPI2014
Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10
Wind Speed: 130 mph
Roof Load: 37.0 psf
Floor Load: N/A psf

This package includes 18 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
1	T20341853	PB01	6/1/20
2	T20341854	PB01G	6/1/20
3	T20341855	PB02	6/1/20
4	T20341856	PB02G	6/1/20
5	T20341857	T01	6/1/20
6	T20341858	T01G	6/1/20
7	T20341859	T02	6/1/20
8	T20341860	T03	6/1/20
9	T20341861	T03G	6/1/20
10	T20341862	T04	6/1/20
11	T20341863	T04G	6/1/20
12	T20341864	T06G	6/1/20
13	T20341865	T07	6/1/20
14	T20341866	T08	6/1/20
15	T20341867	T08G	6/1/20
16	T20341868	T10	6/1/20
17	T20341869	T10G	6/1/20
18	T20341870	V01	6/1/20

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Jacksonville.

Truss Design Engineer's Name: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2021.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: June 1,2020

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	BLAKE CONST. - REITER RES.
2344397	PB01	Piggyback	10	1	T20341853
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:38 2020 Page 1
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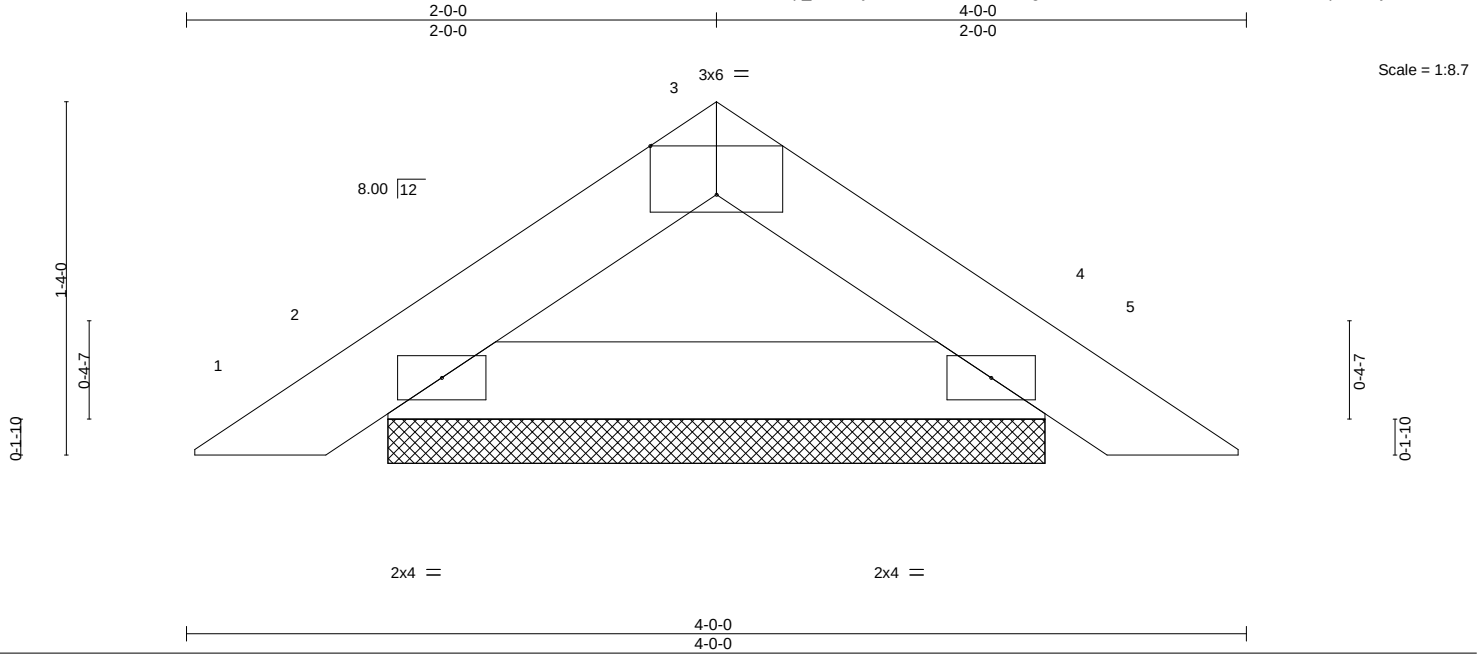


Plate Offsets (X,Y)-- [3:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.03	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 11 lb	FT = 20%

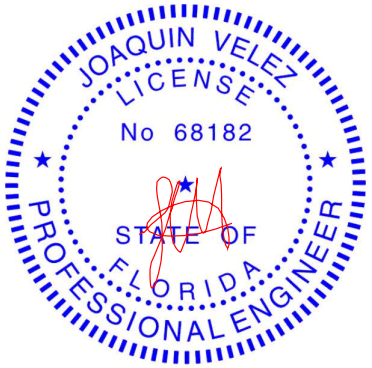
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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) 2=2-5-12, 4=2-5-12
Max Horz 2=36(LC 11)
Max Uplift 2=-50(LC 12), 4=-50(LC 13)
Max Grav 2=118(LC 1), 4=118(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; 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) 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 50 lb uplift at joint 2 and 50 lb uplift at joint 4.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Date:

June 1,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	PB01G	PIGGYBACK	2	1	T20341854
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:39 2020 Page 1
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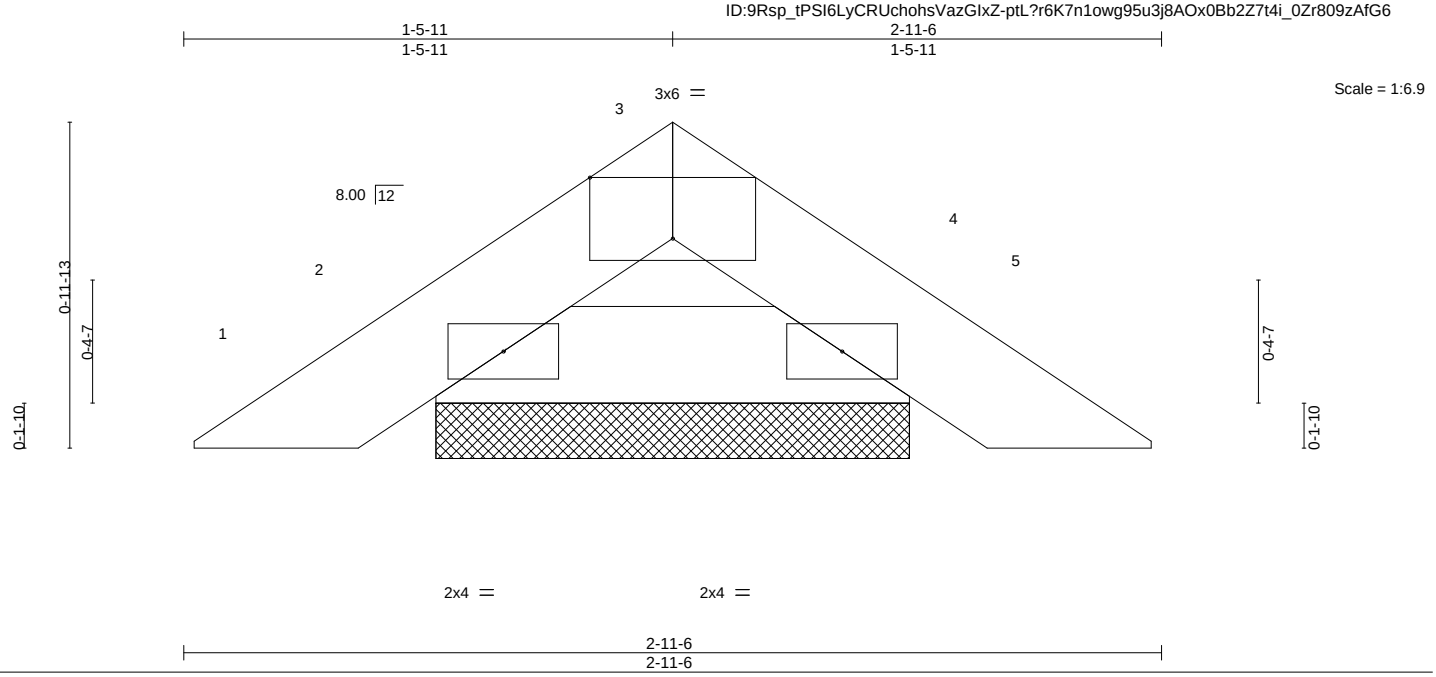


Plate Offsets (X,Y)-- [3:0-3-0,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.02	Vert(LL)	-0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 7 lb	FT = 20%

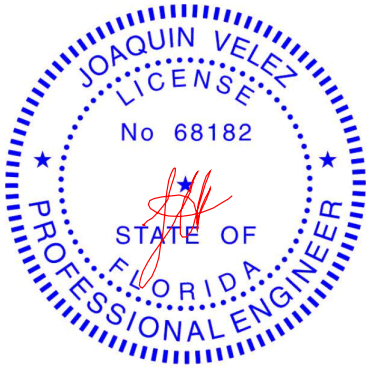
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=1-5-2, 4=1-5-2
Max Horz 2=-25(LC 10)
Max Uplift 2=-37(LC 12), 4=-37(LC 13)
Max Grav 2=79(LC 1), 4=79(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; 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) 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 37 lb uplift at joint 2 and 37 lb uplift at joint 4.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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June 1,2020

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	PB02	Piggyback	15	1	T20341855
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:40 2020 Page 1
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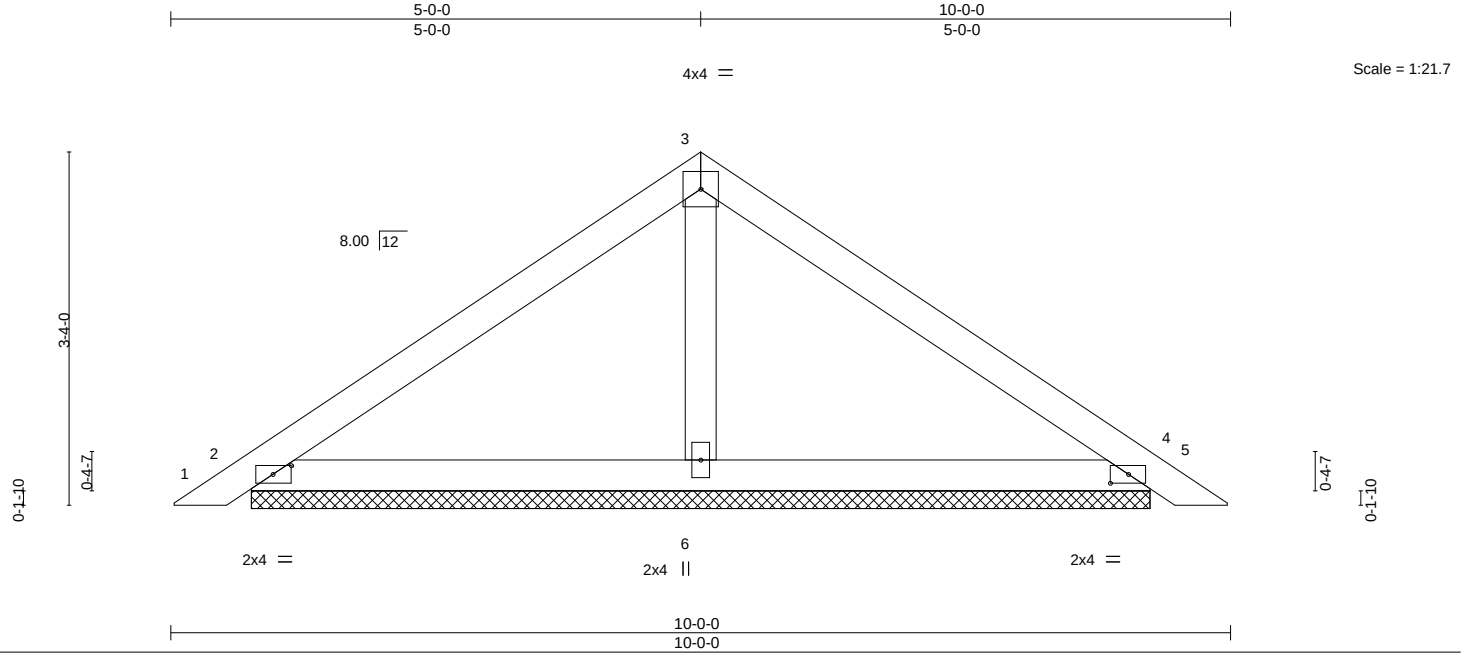


Plate Offsets (X,Y)-- [2:0-2-1,0-1-0], [4:0-2-1,0-1-0]

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%

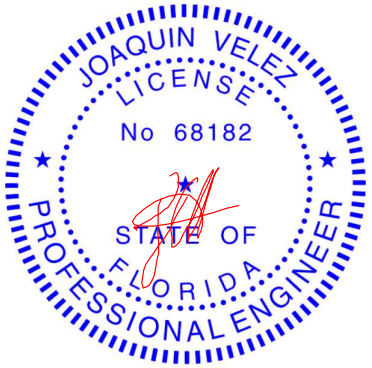
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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; 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) 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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June 1,2020

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	PB02G	GABLE	2	1	T20341856
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:41 2020 Page 1
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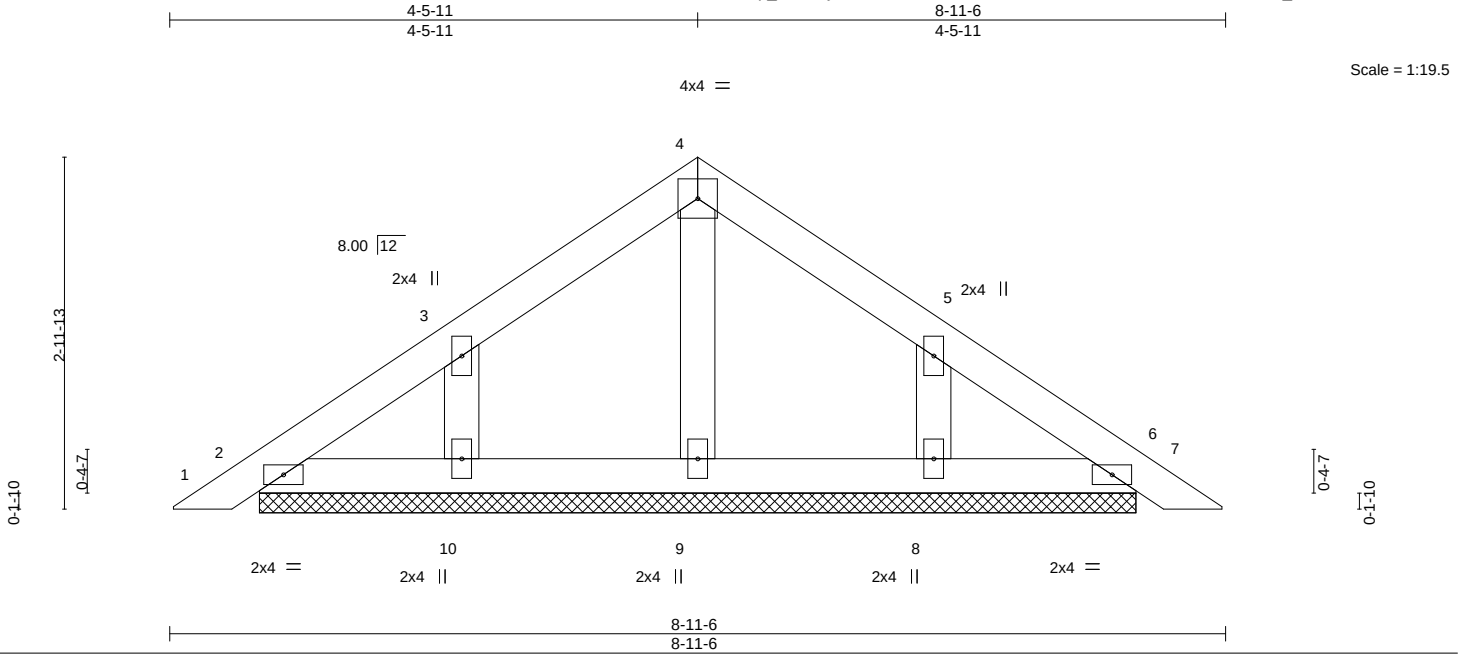


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 33 lb	FT = 20%

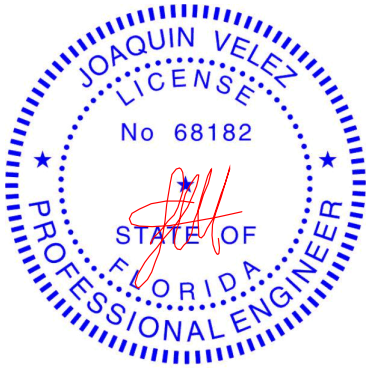
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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; 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) 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:

June 1,2020

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T01	Common	5	1	T20341857
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:42 2020 Page 1
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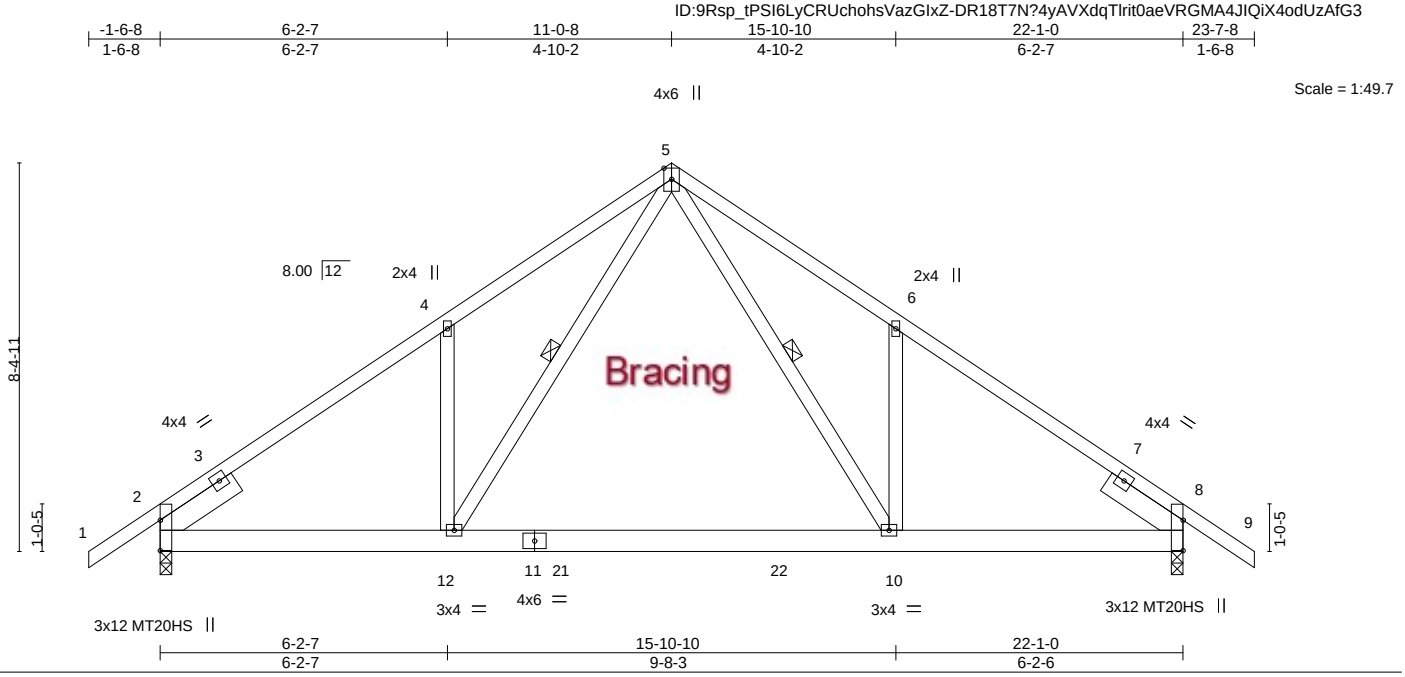


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	0.53	10-12	>496	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	0.45	10-12	>587	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.52	Horz(CT)	-0.05	8	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 146 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-3-3 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-11-3 oc bracing.
WEBS	1 Row at midpt 5-10, 5-12

REACTIONS. (size) 2=0-3-0, 8=0-3-0
Max Horz 2=261(LC 11)
Max Uplift 2=-477(LC 12), 8=-477(LC 13)
Max Grav 2=1191(LC 1), 8=1191(LC 1)

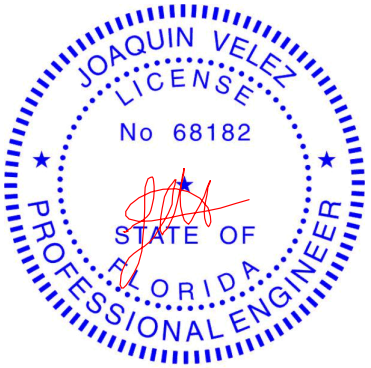
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-4=-1558/1869, 4-5=-1559/2019, 5-6=-1559/2019, 6-8=-1558/1869
BOT CHORD	2-12=-1367/1232, 10-12=-754/810, 8-10=-1372/1219
WEBS	5-10=-1191/858, 6-10=-320/325, 5-12=-1191/858, 4-12=-320/325

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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 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, 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=477, 8=477.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-9=-54, 12-13=-20, 10-12=-80(F=-60), 10-17=-20



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Date:

June 1,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T01G	Common Supported Gable	1	1	T20341858
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:43 2020 Page 1
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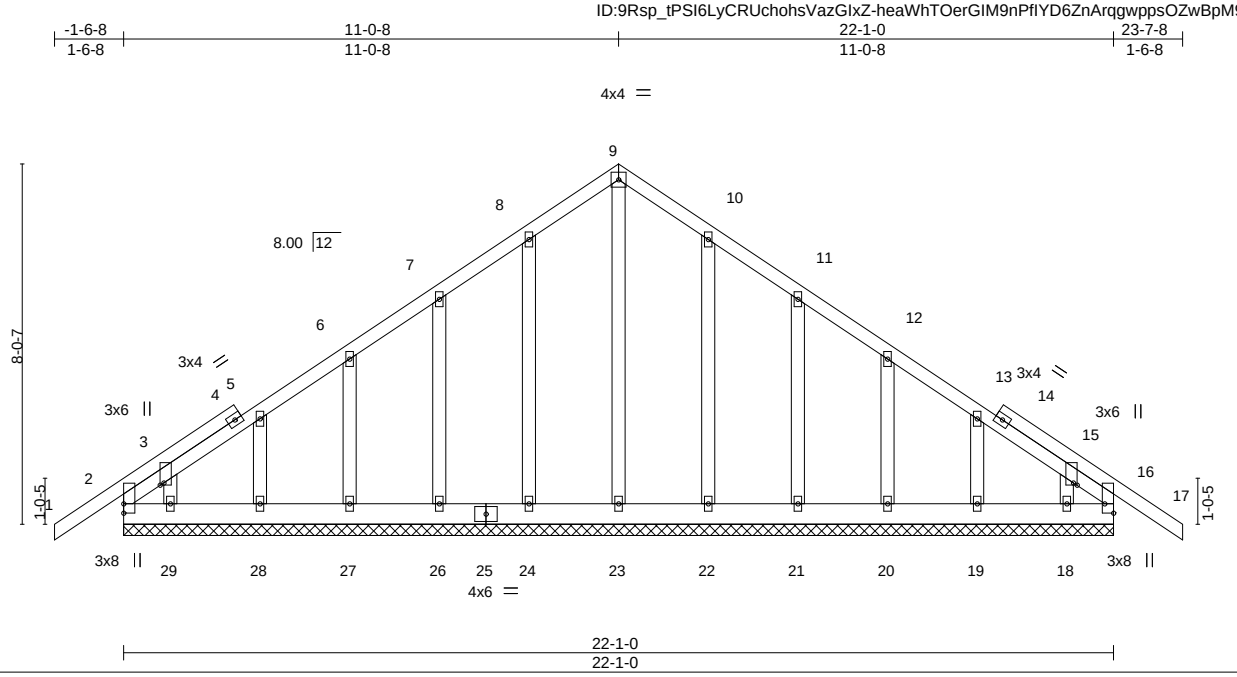


Plate Offsets (X,Y)-- [3:0-0-9,0-1-0], [15:0-0-9,0-1-0], [16:Edge,0-2-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.01	17	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	17	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 166 lb	FT = 20%

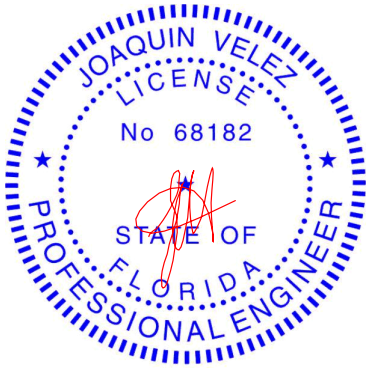
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

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 22-1-0.
(lb) - Max Horz 2=-250(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 16 except 2=-114(LC 8), 24=-113(LC 12), 26=-113(LC 12), 27=-113(LC 12), 28=-104(LC 12), 29=-139(LC 12), 22=-111(LC 13), 21=-114(LC 13), 20=-113(LC 13), 19=-106(LC 13), 18=-122(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 23, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-280/191

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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable 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) 16 except (jt=lb) 2=114, 24=113, 26=113, 27=113, 28=104, 29=139, 22=111, 21=114, 20=113, 19=106, 18=122.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 16.



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

June 1,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T02	Common	6	1	T20341859
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:45 2020 Page 1
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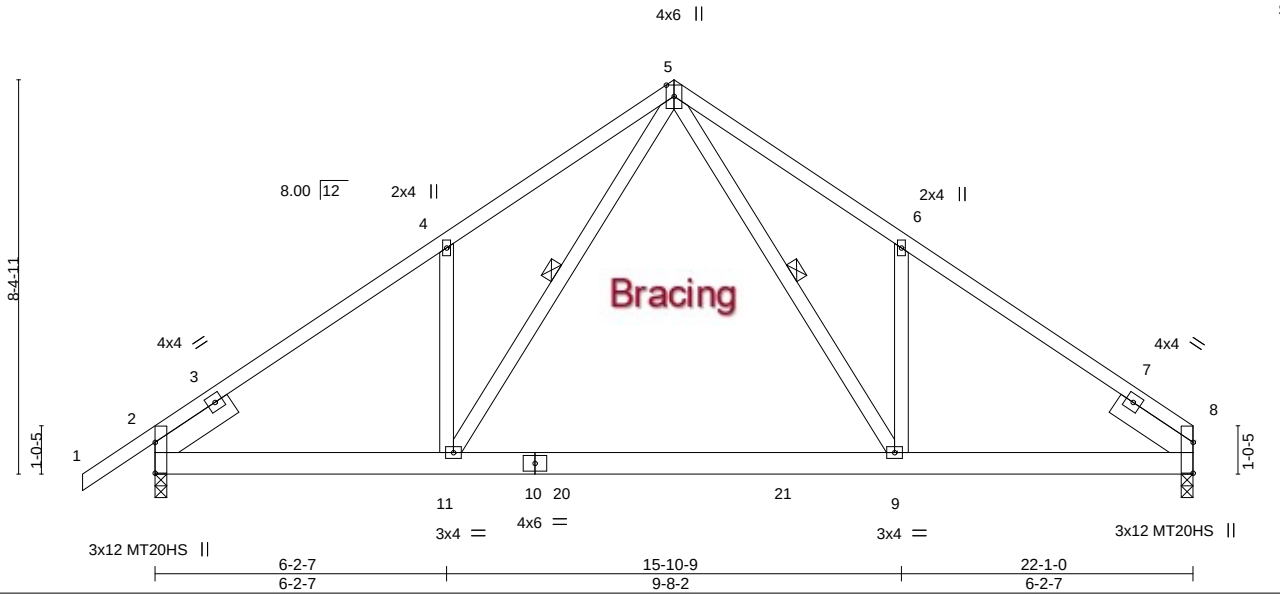


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	0.53	9-11	>498	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	0.45	9-11	>589	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.53	Horz(CT)	-0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 143 lb	FT = 20%

LUMBER-

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

BRACING-

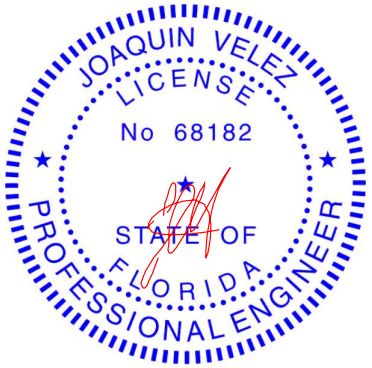
TOP CHORD	Structural wood sheathing directly applied or 3-3-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-10-0 oc bracing.
WEBS	1 Row at midpt 5-9, 5-11

REACTIONS. (size) 8=0-3-0, 2=0-3-0
Max Horz 2=250(LC 11)
Max Uplift 8=-424(LC 13), 2=-477(LC 12)
Max Grav 8=1104(LC 1), 2=1194(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1562/1872, 4-5=-1562/2022, 5-6=-1558/2028, 6-8=-1572/1877
BOT CHORD 2-11=-1414/1222, 9-11=-799/815, 8-9=-1419/1232
WEBS 5-9=-1198/854, 6-9=-319/328, 5-11=-1188/856, 4-11=-320/325

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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 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, 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) 8=424, 2=477.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-8=-54, 11-16=-20, 9-11=-80(F=-60), 9-12=-20



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June 1,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T03	Piggyback Base	5	1	T20341860
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:46 2020 Page 1
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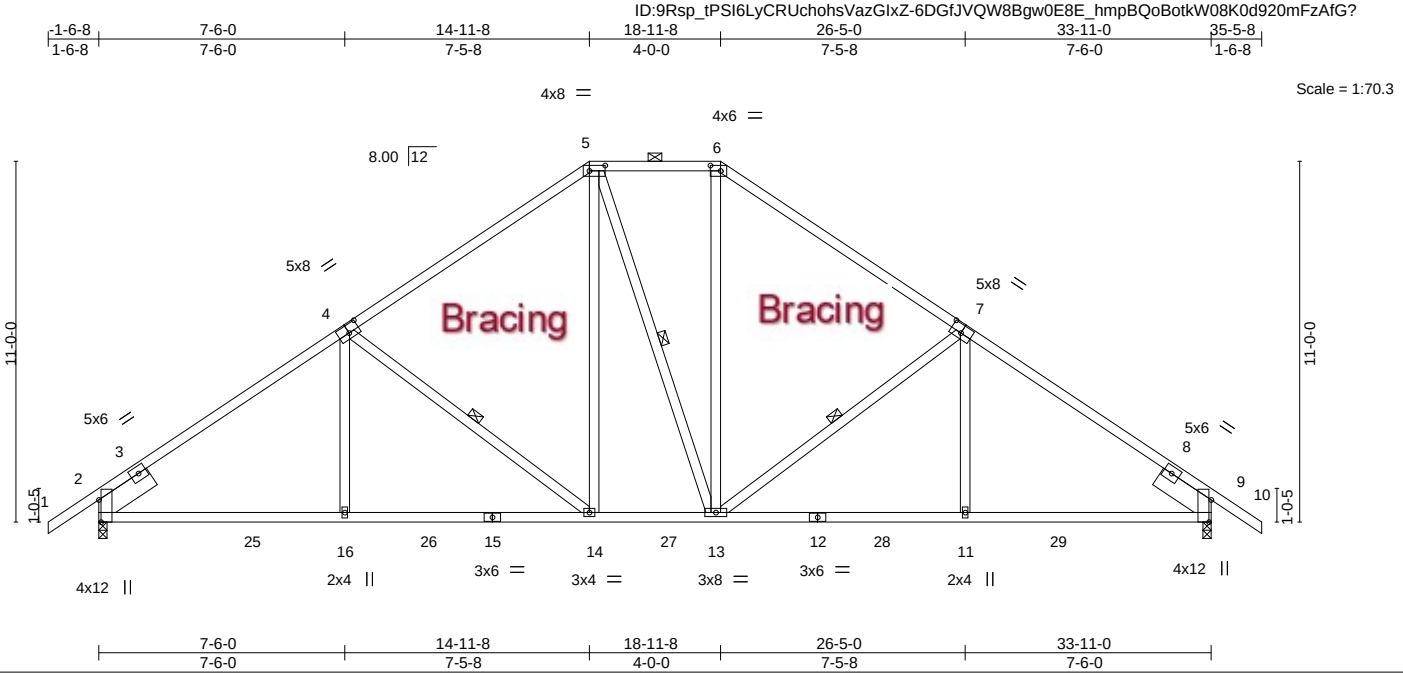


Plate Offsets (X,Y)-- [2:0-8-2,Edge], [4:0-4-0,0-3-0], [5:0-5-12,0-2-0], [6:0-3-12,0-2-0], [7:0-4-0,0-3-0], [9:0-8-2,Edge]

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	0.85	Vert(LL)	-0.16	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.33	14-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.12	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 219 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 1-4,7-10: 2x4 SP M 31
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x8 SP 2400F 2.0E 1-11-8, Right 2x8 SP 2400F 2.0E 1-11-8

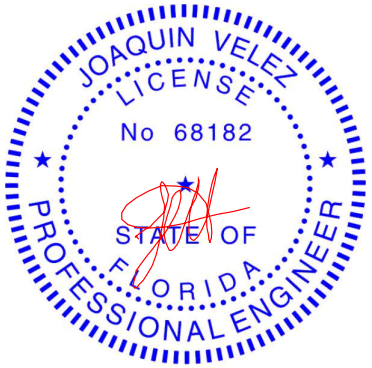
BRACING-

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

REACTIONS. (size) 2=0-3-0, 9=0-3-0
Max Horz 2=343(LC 11)
Max Uplift 2=-486(LC 12), 9=-486(LC 13)
Max Grav 2=1391(LC 19), 9=1388(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1749/756, 4-5=-1317/706, 5-6=-1112/678, 6-7=-1313/707, 7-9=-1745/755
BOT CHORD 2-16=-531/1589, 14-16=-531/1587, 13-14=-216/1115, 11-13=-453/1368, 9-11=-452/1370
WEBS 4-16=0/302, 4-14=-602/400, 5-14=-205/534, 6-13=-185/498, 7-13=-602/400, 7-11=0/302

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) 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=486, 9=486.
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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June 1,2020

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T03G	Piggyback Base Supported Gable	1	1	T20341861
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:48 2020 Page 1
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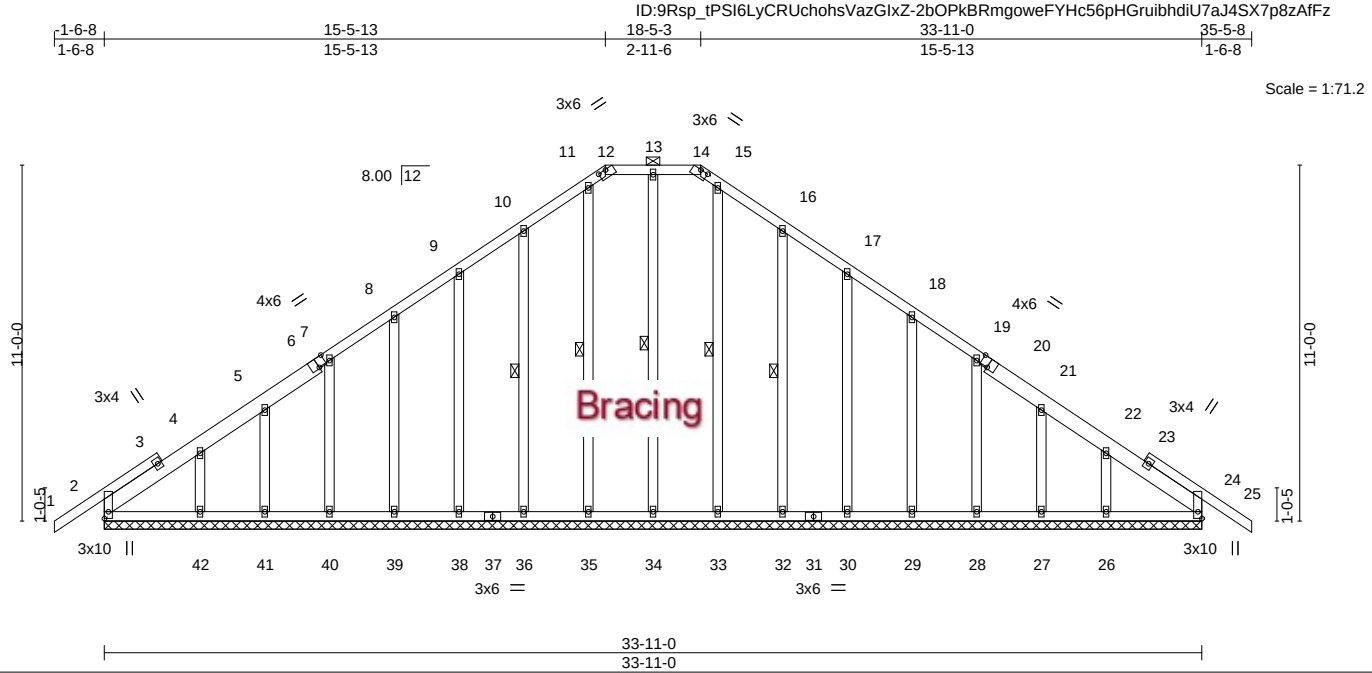


Plate Offsets (X,Y)-- [2:Edge,0-1-8], [6:0-3-0,Edge], [12:0-3-0,0-0-2], [14:0-3-0,0-0-2], [20:0-3-0,Edge], [24:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.01	25	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.01	25	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	24	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 278 lb	FT = 20%

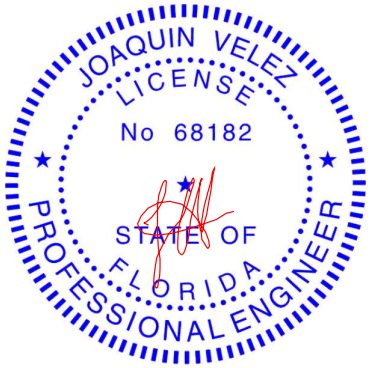
LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 2-6,20-24: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 12-14.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 13-34, 11-35, 10-36, 15-33, 16-32

REACTIONS. All bearings 33-11-0.
(lb) - Max Horz 2=-343(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 34, 35, 41, 24 except 2=-118(LC 8), 36=-128(LC 12), 38=-110(LC 12), 39=-114(LC 12), 40=-117(LC 12), 42=-173(LC 12), 32=-133(LC 13), 30=-109(LC 13), 29=-114(LC 13), 28=-113(LC 13), 27=-104(LC 13), 26=-165(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 34, 35, 36, 38, 39, 40, 41, 42, 33, 32, 30, 29, 28, 27, 26, 24

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-346/283, 9-10=-184/250, 10-11=-256/304, 11-12=-236/281, 12-13=-238/287, 13-14=-238/287, 14-15=-236/281, 15-16=-256/301
BOT CHORD 2-42=-180/264, 41-42=-180/264, 40-41=-180/264, 39-40=-180/264, 38-39=-180/264, 36-38=-180/264, 35-36=-180/264, 34-35=-180/264, 33-34=-180/264, 32-33=-180/264, 30-32=-180/264, 29-30=-180/264, 28-29=-180/264, 27-28=-180/264, 26-27=-180/264, 24-26=-180/264

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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 34, 35, 41, 24 except (jt=lb) 2=118, 36=128, 38=110, 39=114, 40=117, 42=173, 32=133, 30=109, 29=114, 28=113, 27=104, 26=165.
11) 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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Date:

June 1,2020

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T04	Piggyback Base	5	1	T20341862
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:50 2020 Page 1
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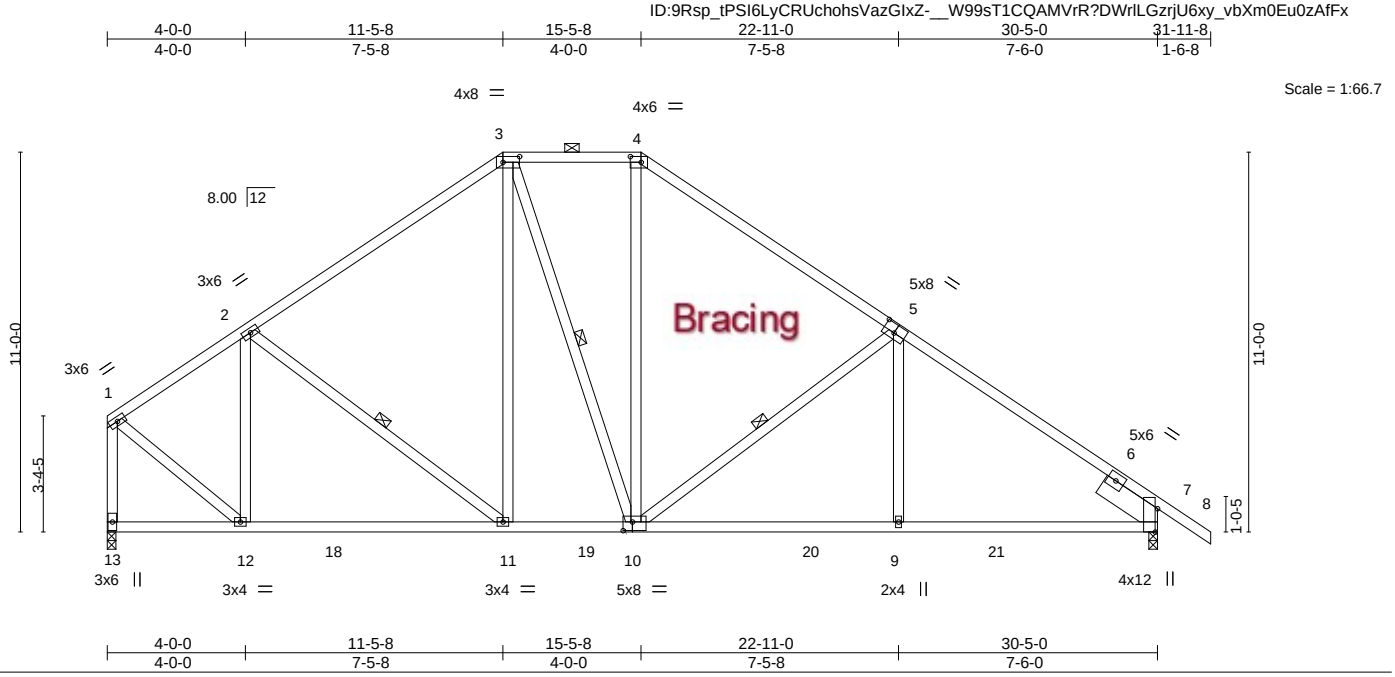


Plate Offsets (X,Y)-- [3:0-5-12,0-2-0], [4:0-3-12,0-2-0], [5:0-4-0,0-3-0], [7:0-8-2,Edge], [10:0-3-4,0-3-0]

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	0.98	Vert(LL)	-0.12	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.26	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.09	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 210 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Right 2x8 SP 2400F 2.0E 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-9-9 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 2-11, 3-10, 5-10

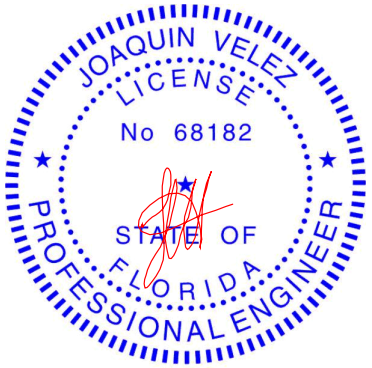
REACTIONS. (size) 13=0-3-0, 7=0-3-0
Max Horz 13=-396(LC 10)
Max Uplift 13=-364(LC 12), 7=-449(LC 13)
Max Grav 13=1118(LC 1), 7=1251(LC 20)

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

TOP CHORD	1-2=-882/446, 2-3=-1030/582, 3-4=-935/595, 4-5=-1081/606, 5-7=-1518/659, 1-13=-1102/497
BOT CHORD	12-13=-306/353, 11-12=-290/937, 10-11=-172/859, 9-10=-366/1180, 7-9=-366/1182
WEBS	2-12=-445/310, 3-10=-184/279, 4-10=-138/363, 5-10=-623/406, 5-9=0/308, 1-12=-418/931

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) 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) 13=364, 7=449.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Joaquin Velez PE No.68182
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Date:

June 1,2020

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T04G	GABLE	1	1	T20341863
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:51 2020 Page 1
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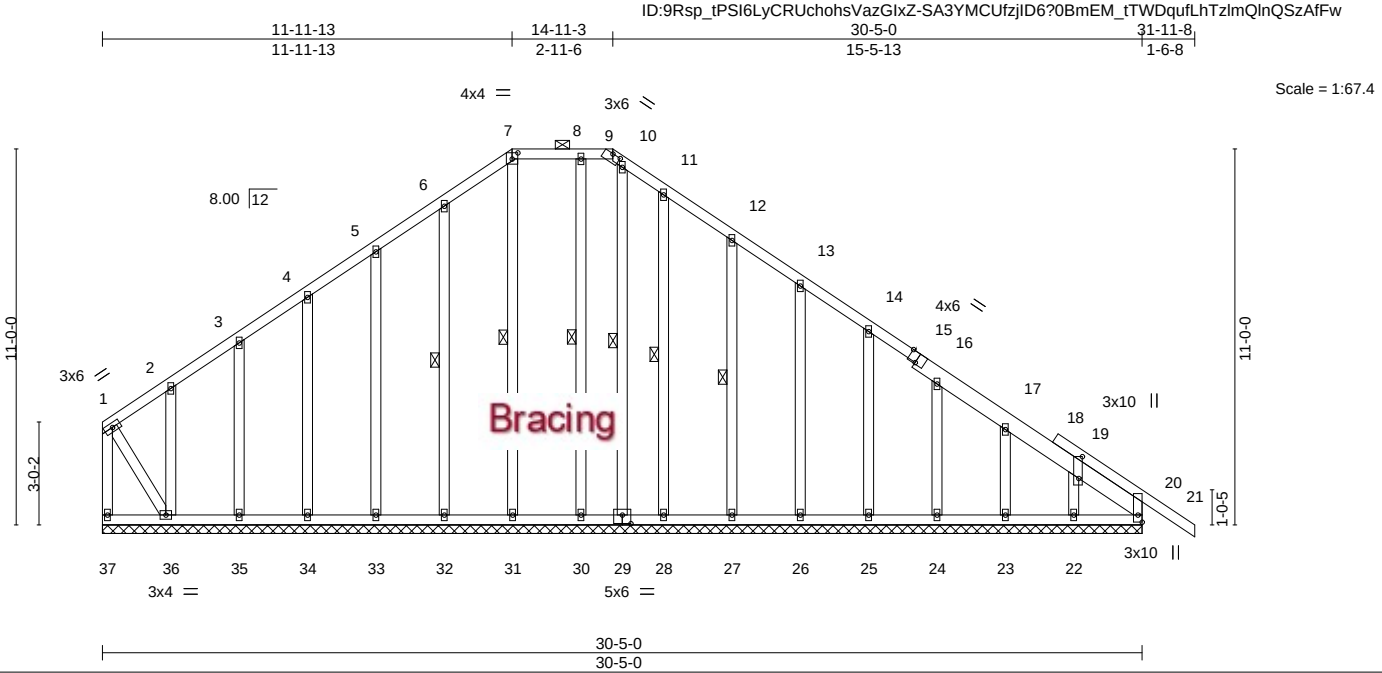


Plate Offsets (X,Y)-- [7:0-2-0,0-2-3], [9:0-3-0,0-0-2], [15:0-3-0,Edge], [19:0-7-11,0-1-4], [20:Edge,0-1-8], [29:0-3-0,0-3-0]

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	0.13	Vert(LL)	-0.01	21	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.01	21	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 272 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 10-29, 12-27, 11-28, 6-32, 7-31, 8-30

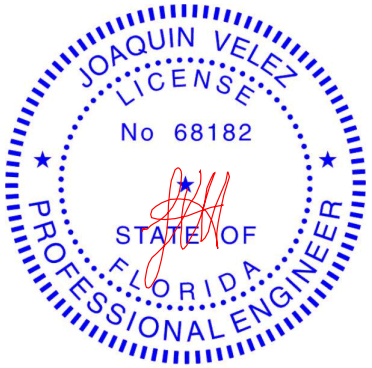
REACTIONS. All bearings 30-5-0.
(lb) - Max Horz 37=-330(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 23, 28, 31, 30, 20 except 37=-275(LC 10), 22=-157(LC 13), 24=-122(LC 13), 25=-110(LC 13), 26=-111(LC 13), 27=-120(LC 13), 36=-342(LC 12), 35=-112(LC 12), 34=-111(LC 12), 33=-115(LC 12), 32=-112(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 29, 22, 23, 24, 25, 26, 27, 28, 35, 34, 33, 32, 31, 30, 20 except 37=316(LC 9), 36=346(LC 10)

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

TOP CHORD	1-37=-309/288, 5-6=-218/260, 6-7=-280/332, 7-8=-251/304, 8-9=-251/304, 9-10=-236/285, 10-11=-284/338, 11-12=-236/281, 19-20=-273/185
BOT CHORD	36-37=-297/328, 35-36=-168/273, 34-35=-168/273, 33-34=-168/273, 32-33=-168/273, 31-32=-168/273, 30-31=-168/273, 29-30=-168/273, 28-29=-168/273, 27-28=-168/273, 26-27=-168/273, 25-26=-168/273, 24-25=-168/273, 23-24=-168/273, 22-23=-168/273, 20-22=-158/262
WEBS	1-36=-265/277

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical 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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 28, 31, 30, 20 except (jt=lb) 37=275, 22=157, 24=122, 25=110, 26=111, 27=120, 36=342, 35=112, 34=111, 33=115, 32=112.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: June 1,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T06G	GABLE	1	1	T20341864
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:54 2020 Page 1
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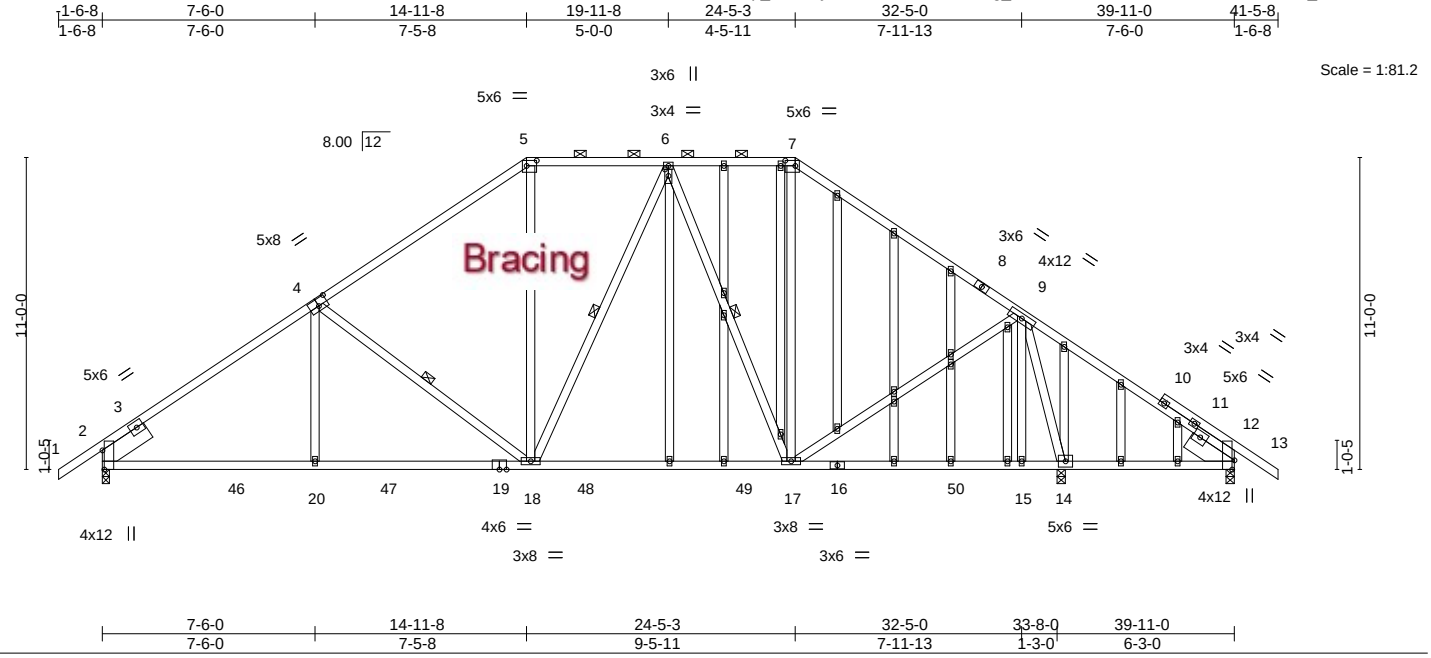


Plate Offsets (X,Y)-- [2:0-8-2,Edge], [4:0-4-0,0-3-0], [5:0-4-4,0-2-4], [6:0-2-12,0-1-8], [7:0-4-4,0-2-4], [12:0-3-15,Edge]

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	0.81	Vert(LL)	-0.34	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.49	17-18	>831	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	-0.05	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 364 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 1-4: 2x4 SP M 31
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
SLIDER	Left 2x8 SP 2400F 2.0E 1-11-8, Right 2x8 SP 2400F 2.0E 1-9-3

BRACING-

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

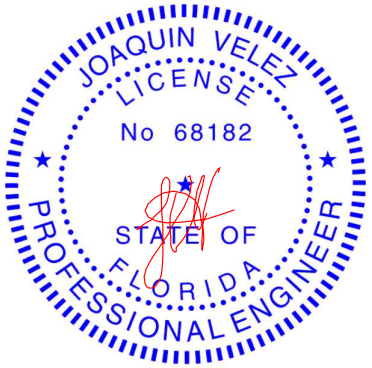
REACTIONS. (size) 2=0-3-0, 12=0-3-8, 14=0-3-8
Max Horz 2=355(LC 11)
Max Uplift 2=-483(LC 12), 12=-181(LC 13), 14=-434(LC 13)
Max Grav 2=1322(LC 19), 12=167(LC 24), 14=1765(LC 2)

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

TOP CHORD	2-4=-1674/760, 4-5=-1265/708, 5-6=-1019/679, 6-7=-846/598, 7-9=-1014/605, 9-12=-92/494
BOT CHORD	2-20=-526/1487, 18-20=-526/1485, 17-18=-307/920, 12-14=-350/130
WEBS	4-20=0/264, 4-18=-587/403, 5-18=-146/377, 6-18=-132/350, 6-17=-483/303, 7-17=-89/297, 9-17=-257/793, 9-14=-1661/549

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; porch 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=483, 12=181, 14=434.
10) 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:

June 1,2020

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T07	Piggyback Base	2	1	T20341865
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:55 2020 Page 1
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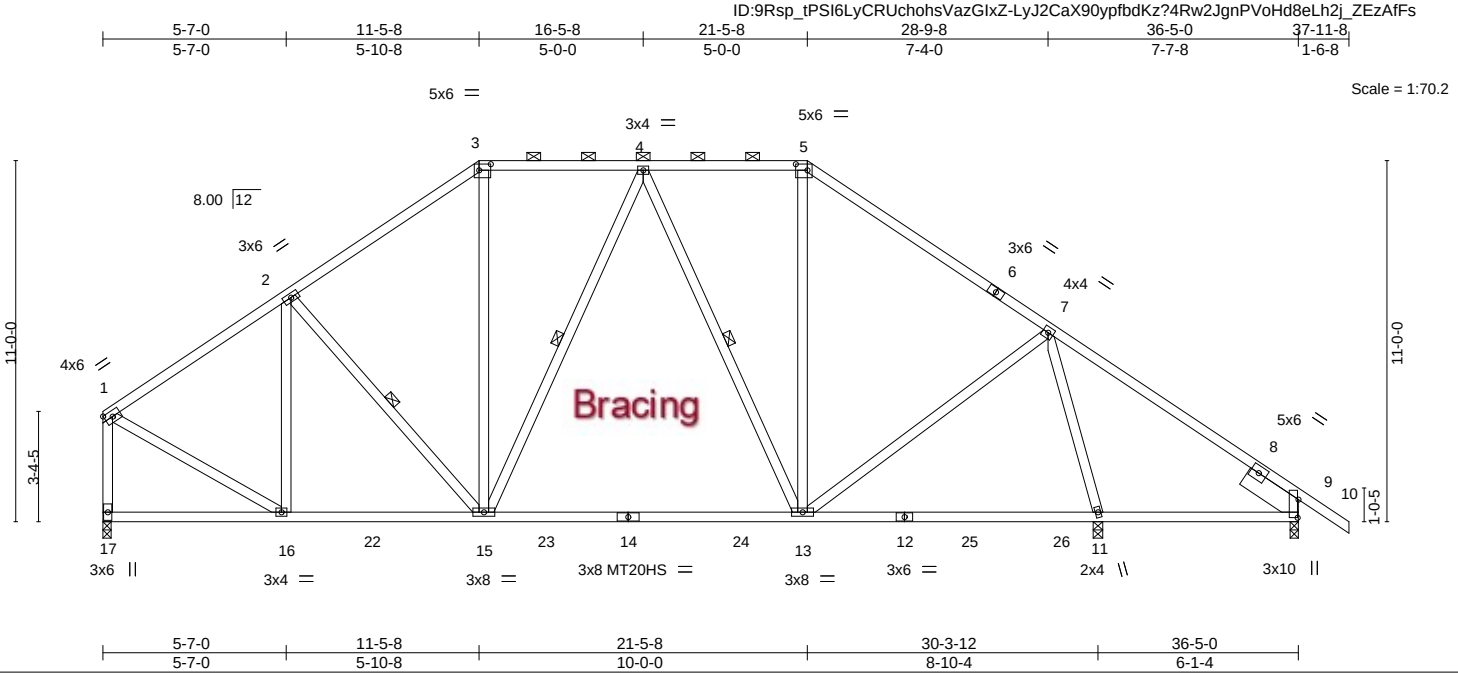


Plate Offsets (X,Y)-- [3:0-4-4,0-2-4], [5:0-4-4,0-2-4], [9:0-6-10,0-0-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	0.07	11-20	>978	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.53	13-15	>682	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 248 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Right 2x8 SP 2400F 2.0E 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-10-11 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 2-15, 4-15, 4-13

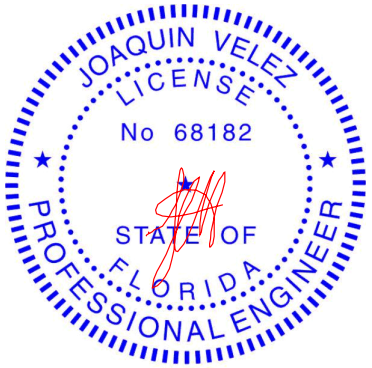
REACTIONS. (size) 17=0-3-0, 11=0-3-8, 9=0-3-0
Max Horz 17=-324(LC 8)
Max Uplift 17=-387(LC 12), 11=-160(LC 12), 9=-418(LC 13)
Max Grav 17=1152(LC 1), 11=1210(LC 2), 9=495(LC 24)

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

TOP CHORD	1-2=-1025/549, 2-3=-1064/697, 3-4=-879/650, 4-5=-871/688, 5-7=-1024/722, 7-9=-477/649, 1-17=-1099/588
BOT CHORD	16-17=-283/328, 15-16=-351/928, 13-15=-289/851, 11-13=-418/532, 9-11=-372/355
WEBS	2-16=-343/245, 3-15=-184/336, 4-15=-205/284, 4-13=-313/270, 5-13=-168/282, 7-13=-188/572, 7-11=-1016/200, 1-16=-417/901

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; porch right 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 MT20 plates 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) 17=387, 11=160, 9=418.
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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Date:

June 1,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T08	Piggyback Base	3	1	T20341866
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:57 2020 Page 1
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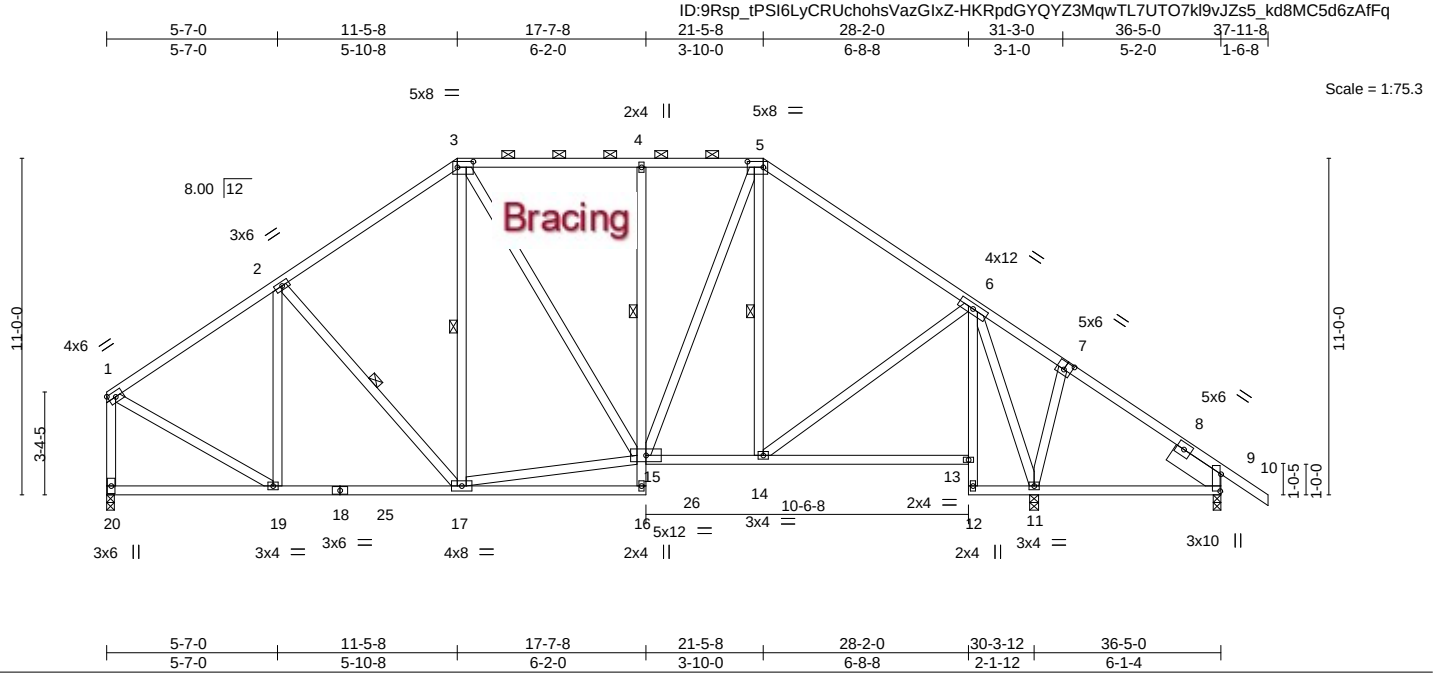

5-7-0
11-5-8
17-7-8
21-5-8
28-2-0
31-3-0
36-5-0
37-11-8
5-7-0
5-10-8
6-2-0
3-10-0
6-8-8
3-1-0
5-2-0
1-6-8
Scale = 1:75.3
Bracing
8.00 12
11-0-0
3-4-5
10-6-8
1-0-5
1-0-0
5x8
2x4
4x6
3x6
4x12
5x6
3x4
5x12
3x10

Plate Offsets (X,Y)-- [3:0-6-4,0-2-4], [5:0-6-4,0-2-4], [7:0-3-0,0-3-0], [9:0-6-10,0-0-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.08	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.16	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 282 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except*
	4-16,6-12: 2x4 SP No.3
WEBS	2x4 SP No.3
SLIDER	Right 2x8 SP 2400F 2.0E 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-1-3 oc purlins, except end verticals, and 2-0-0 oc purlins (5-11-9 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 12-13,9-11.
	1 Row at midpt 4-15
WEBS	1 Row at midpt 2-17, 3-17, 5-14

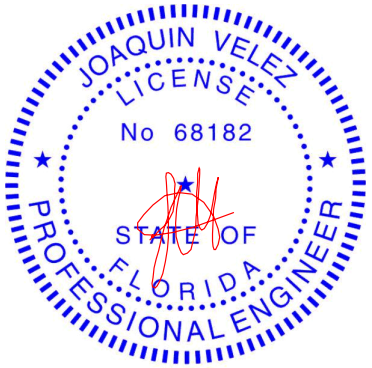
REACTIONS. (size) 20=0-3-0, 9=0-3-0, 11=0-3-8
Max Horz 20=-324(LC 8)
Max Uplift 20=-365(LC 12), 9=-245(LC 13), 11=-312(LC 13)
Max Grav 20=1076(LC 1), 9=144(LC 24), 11=1568(LC 1)

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

TOP CHORD	1-2=-955/492, 2-3=-951/625, 3-4=-828/633, 4-5=-827/631, 5-6=-901/598, 6-7=-45/416, 7-9=-226/368, 1-20=-1027/530
BOT CHORD	19-20=-284/328, 17-19=-346/847, 4-15=-309/246, 14-15=-184/652
WEBS	2-19=-296/220, 15-17=-288/702, 5-15=-284/428, 6-14=-212/603, 6-11=-1288/268, 7-11=-259/199, 1-19=-362/825

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; porch right 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) 20=365, 9=245, 11=312.
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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Date:

June 1,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T08G	GABLE	1	1	T20341867
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:16:59 2020 Page 1
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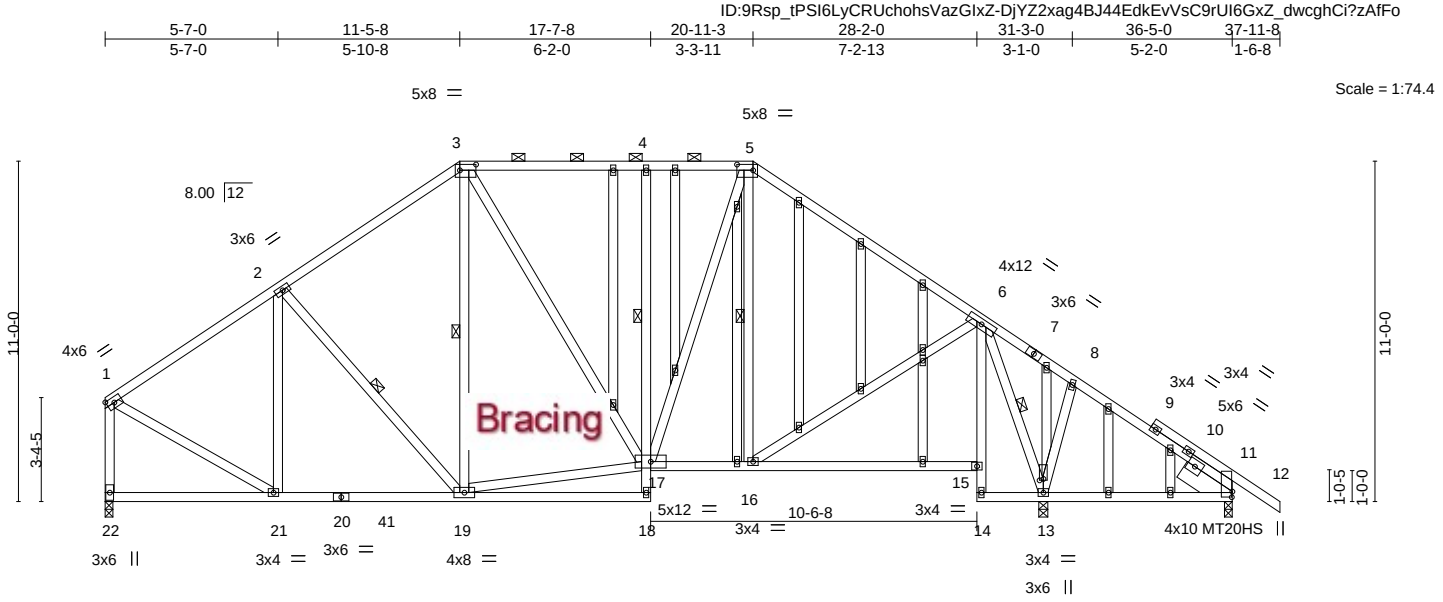


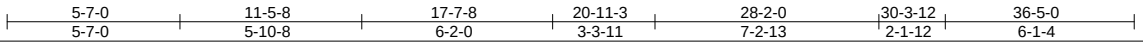


Plate Offsets (X,Y)-- [3:0-6-4,0-2-4], [5:0-6-4,0-2-4], [11:0-2-3,0-0-4], [13:0-0-9,0-1-8]

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	0.55	Vert(LL)	-0.09	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.19	15-16	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.05	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 358 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 4-18,6-14: 2x4 SP No.3
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
SLIDER	Right 2x8 SP 2400F 2.0E 1-9-3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-10-10 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 1 Row at midpt 4-17
WEBS	1 Row at midpt 2-19, 3-19, 5-16, 6-13

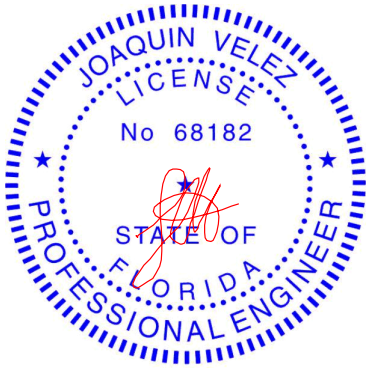
REACTIONS. (size) 22=0-3-0, 11=0-3-0, 13=0-3-8
Max Horz 22=-322(LC 13)
Max Uplift 22=-359(LC 12), 11=-226(LC 17), 13=-381(LC 13)
Max Grav 22=1053(LC 1), 11=53(LC 20), 13=1705(LC 1)

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

TOP CHORD	1-2=-933/469, 2-3=-921/594, 3-4=-791/592, 4-5=-789/589, 5-6=-884/544, 6-8=-59/539, 8-11=-73/506, 1-22=-1004/505
BOT CHORD	21-22=-296/320, 19-21=-352/814, 4-17=-295/240, 16-17=-191/631, 11-13=-362/102
WEBS	2-21=-285/208, 17-19=-292/647, 5-17=-289/414, 6-16=-220/612, 6-13=-1476/431, 1-21=-339/804

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; porch 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) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=359, 11=226, 13=381.
11) 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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Date:

June 1,2020

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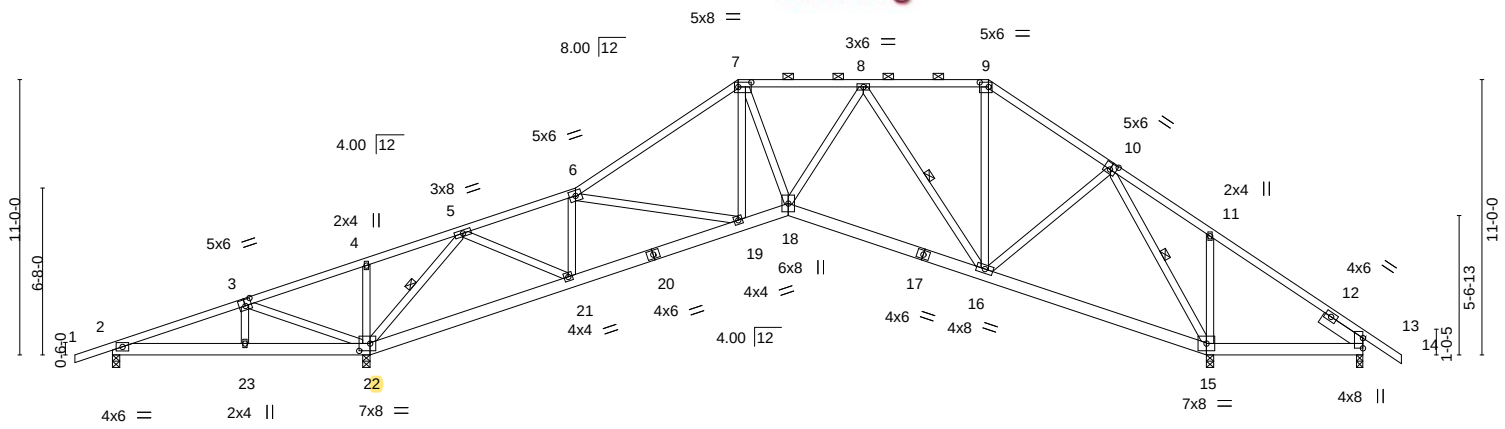
Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T10	Piggyback Base	10	1	T20341868
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:17:01 2020 Page 1
ID:9Rsp_tPSI6LyCRUchohsVazGIxZ-A5gKSdbwcoZoJYn6MKYKHawnrw_m1voD3_BJntzAfFm

1-6-0	5-3-9	10-3-8	14-0-0	18-6-0	25-0-0	30-0-0	35-0-0	39-10-8	43-8-8	49-11-8	51-6-0
1-6-0	5-3-9	4-11-15	3-8-8	4-6-0	6-6-0	5-0-0	5-0-0	4-10-8	3-10-0	6-3-0	1-6-0

Scale = 1:92.1

Bracing



5-3-9	10-1-12	10-3-8	18-6-0	25-0-0	27-0-0	35-0-0	43-8-8	43-10-4	49-11-8
5-3-9	4-10-3	0-1-12	8-2-8	6-6-0	2-0-0	8-0-0	8-8-8	0-1-12	6-1-4

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [7:0-6-4,0-2-4], [9:0-4-4,0-2-4], [10:0-3-0,0-3-0], [22:0-5-4,0-3-8]

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	0.74	Vert(LL)	-0.09	18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.17	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.13	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 333 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-9-9 max.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-22, 8-16, 10-15

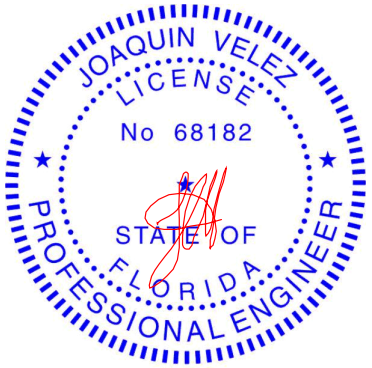
REACTIONS. All bearings 0-3-8 except (jt=length) 13=0-3-0.
(lb) - Max Horz 2=377(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-273(LC 8), 22=-833(LC 12), 15=-372(LC 12), 13=-233(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 13 except 22=2132(LC 1), 15=1654(LC 1)

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

TOP CHORD	2-3=-250/703, 3-4=-643/1318, 4-5=-567/1317, 5-6=-1194/552, 6-7=-1579/686, 7-8=-1420/698, 8-9=-792/567, 9-10=-974/604, 10-11=-181/543, 11-13=-306/483
BOT CHORD	2-23=-610/224, 22-23=-610/224, 19-21=-405/1211, 18-19=-439/1300, 16-18=-410/1261, 15-16=-119/420, 13-15=-373/143
WEBS	3-22=-646/766, 5-22=-1927/914, 5-21=-468/1264, 6-21=-783/411, 7-18=-142/544, 8-18=-152/500, 8-16=-826/423, 9-16=-143/301, 10-16=-213/558, 10-15=-1431/321, 11-15=-348/288

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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 273 lb uplift at joint 2, 833 lb uplift at joint 22, 372 lb uplift at joint 15 and 233 lb uplift at joint 13.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

June 1,2020

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	T10G	Monopitch Supported Gable	1	1	T20341869
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:17:02 2020 Page 1
ID:9Rsp_tPSI6LyCRUchohsVazGIxZ-elEigzcYN6hfxiMJw23ZqoT5vKPumUfMIewsJKzAfFl

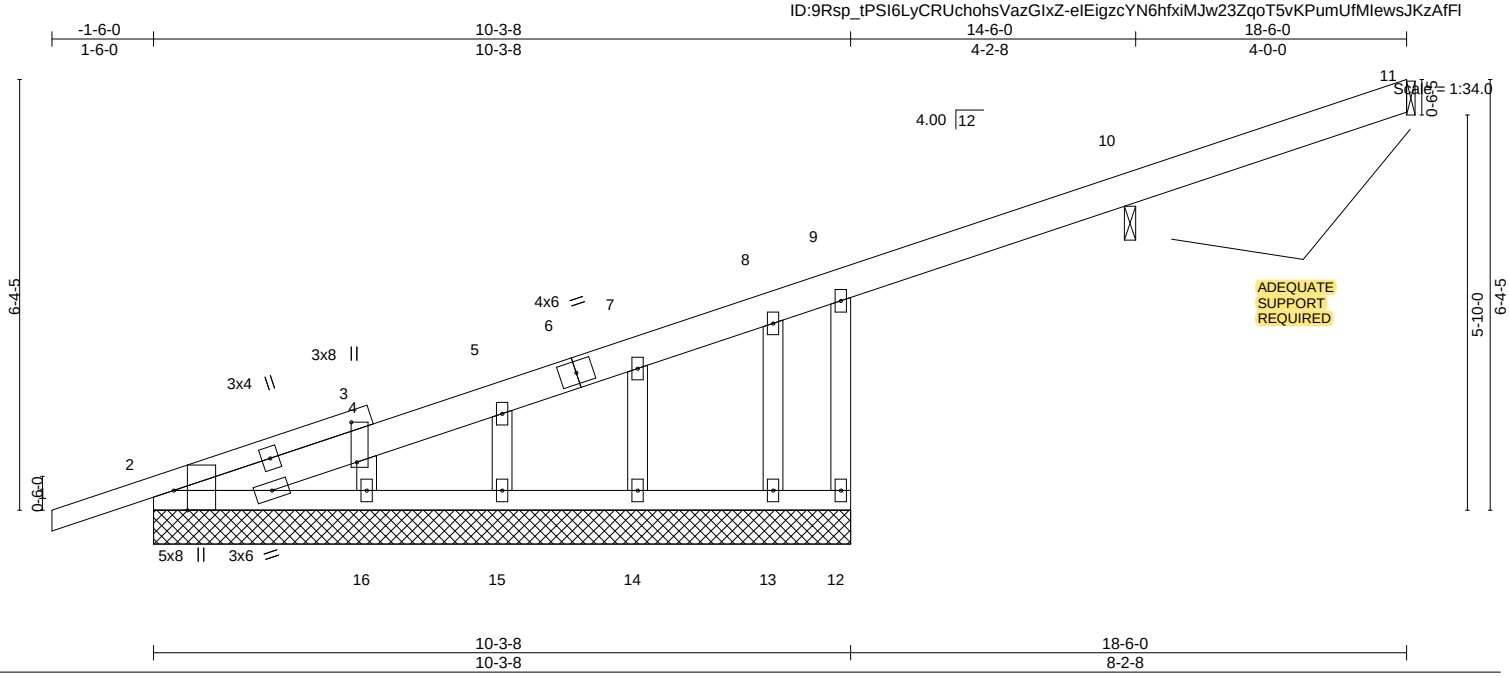


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-7-1,0-1-0]

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	0.14	Vert(LL)	-0.00	2-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	2-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 81 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 1-4: 2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

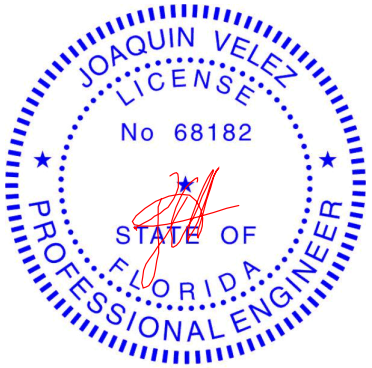
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 10-3-8 except (jt=length) 11=Mechanical, 10=0-2-0.
(lb) - Max Horz 2=309(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 11, 2, 15, 14, 13 except 12=-188(LC 12), 16=-106(LC 12), 10=-172(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 11, 12, 2, 15, 16, 14, 13, 10

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-356/138, 3-5=-310/113, 5-7=-275/102, 9-12=-223/253

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) 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.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable studs spaced at 2-0-0 oc.
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 2, 15, 14, 13 except (jt=lb) 12=188, 16=106, 10=172.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 10.



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Date:

June 1,2020

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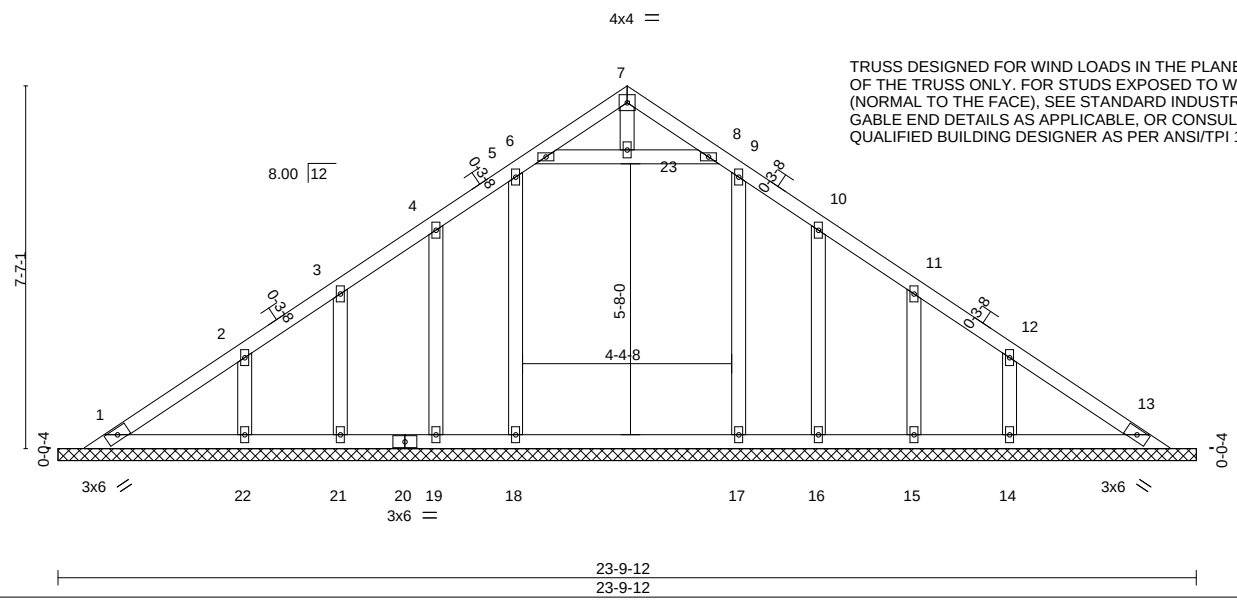
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - REITER RES.
2344397	V01	GABLE	1	1	T20341870
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 1 12:17:03 2020 Page 1
ID:9Rsp_tPSI6LyCRUchohsVazGIxZ-6Uo4tJdA8PpWYrxVTlaoN??HSkj6VwwWXIgQrmzAfFk

11-10-14 / 11-10-14 | 23-9-12 / 11-10-14

Scale: 1/4"=1'



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 123 lb	FT = 20%

LUMBER-

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

BRACING-

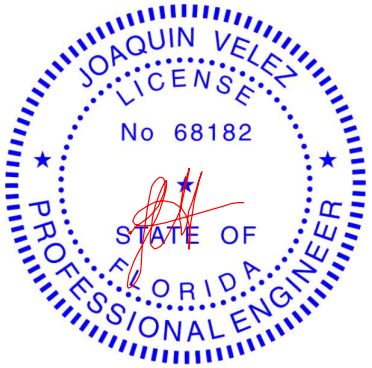
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 23-9-12.
(lb) - Max Horz 1=-226(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 18, 21, 17, 15 except 19=-113(LC 12), 22=-167(LC 12), 16=-117(LC 13), 14=-167(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 19, 21, 22, 16, 15, 14 except 18=365(LC 19), 17=326(LC 20)

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; 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) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 13, 18, 21, 17, 15 except (jt=lb) 19=113, 22=167, 16=117, 14=167.



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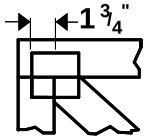
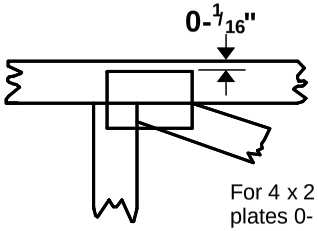
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

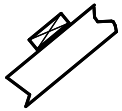
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

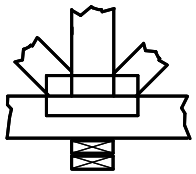
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

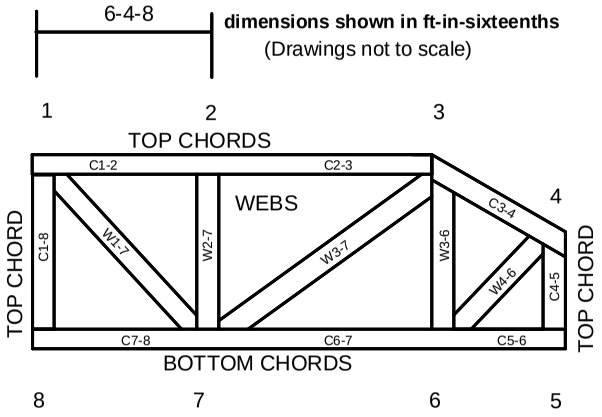


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and 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.