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

RE: 2733930 - IC CONST - DRAWDY RES.

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

Site Information:

Customer Info: IC Construction Project Name: Drawdy Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 874 SW Mandiba Drive, 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):

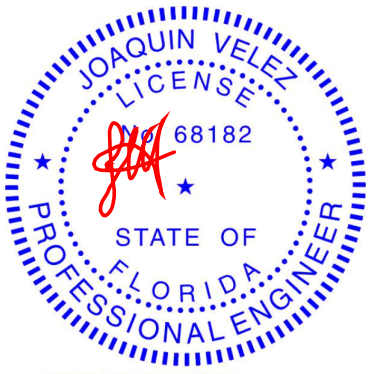
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: N/A Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 33 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	T23611252	EJ01G	4/19/21	23	T23611274	T10G	4/19/21
2	T23611253	EJ02	4/19/21	24	T23611275	T11	4/19/21
3	T23611254	EJ02G	4/19/21	25	T23611276	T11G	4/19/21
4	T23611255	EJ03	4/19/21	26	T23611277	T12	4/19/21
5	T23611256	EJ03G	4/19/21	27	T23611278	T13	4/19/21
6	T23611257	PB01	4/19/21	28	T23611279	T14	4/19/21
7	T23611258	PB01G	4/19/21	29	T23611280	TG01	4/19/21
8	T23611259	PB02	4/19/21	30	T23611281	V01	4/19/21
9	T23611260	PB02G	4/19/21	31	T23611282	V02	4/19/21
10	T23611261	T01G	4/19/21	32	T23611283	V03	4/19/21
11	T23611262	T02	4/19/21	33	T23611284	V04	4/19/21
12	T23611263	T02G	4/19/21				
13	T23611264	T03	4/19/21				
14	T23611265	T04	4/19/21				
15	T23611266	T05	4/19/21				
16	T23611267	T05G	4/19/21				
17	T23611268	T06	4/19/21				
18	T23611269	T07	4/19/21				
19	T23611270	T08	4/19/21				
20	T23611271	T08G	4/19/21				
21	T23611272	T09	4/19/21				
22	T23611273	T10	4/19/21				

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, 2023.



Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date: April 19,2021

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	EJ01G	MONOPITCH SUPPORTED	1	1	T23611252
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:25:56 2021 Page 1
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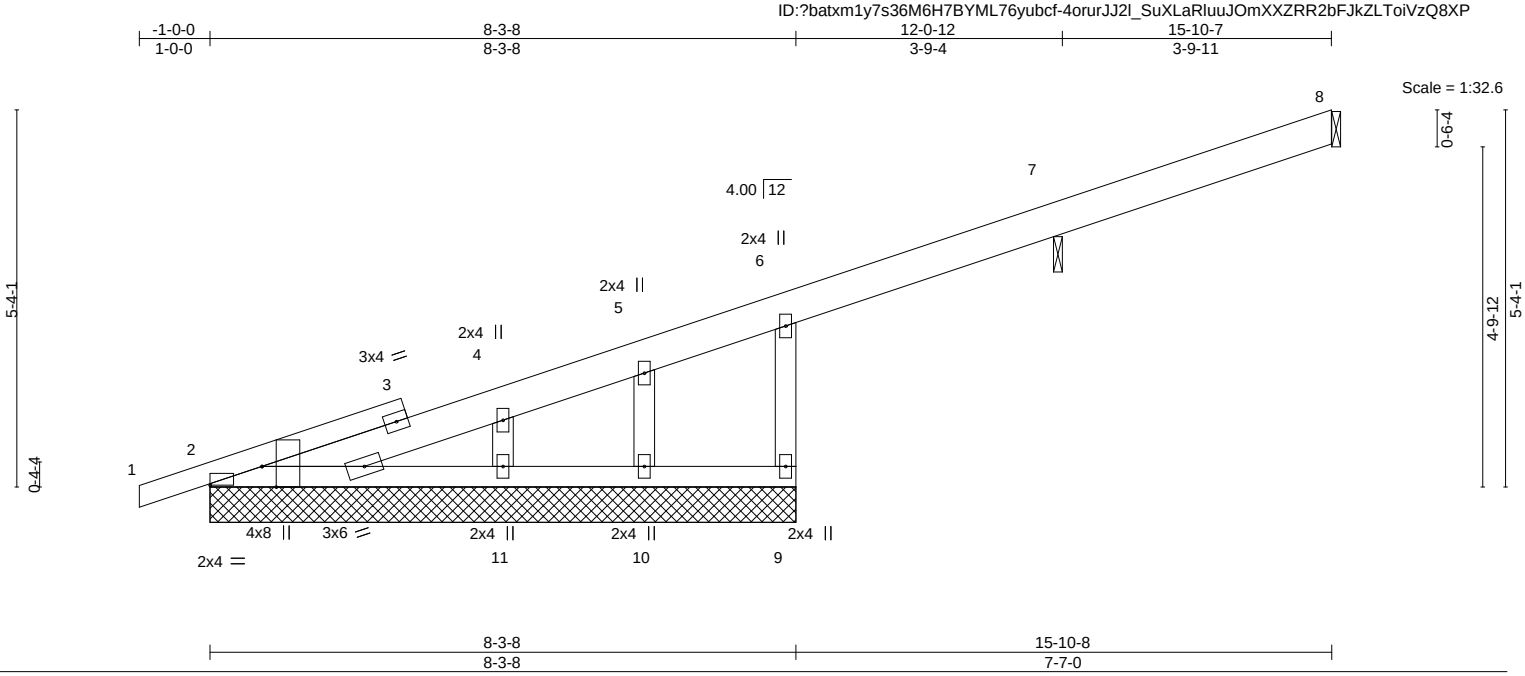


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:Edge,0-3-3]

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	0.10	Vert(LL)	-0.01	2-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	2-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 62 lb	FT = 20%

LUMBER-

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

BRACING-

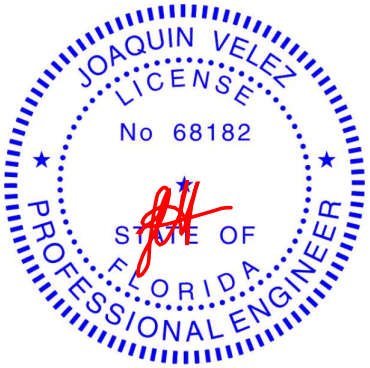
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 8-3-8 except (jt=length) 8=Mechanical, 7=0-1-8.
(lb) - Max Horz 2=182(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 11, 10 except 9=-110(LC 12), 7=-104(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 9, 10, 7 except 11=283(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-346/109, 4-5=-272/74, 6-9=-210/282

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-0-0 to 2-0-0, Exterior(2N) 2-0-0 to 15-9-11 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) 7.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 11, 10 except (jt=lb) 9=110, 7=104.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 7.



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Date:
April 19,2021

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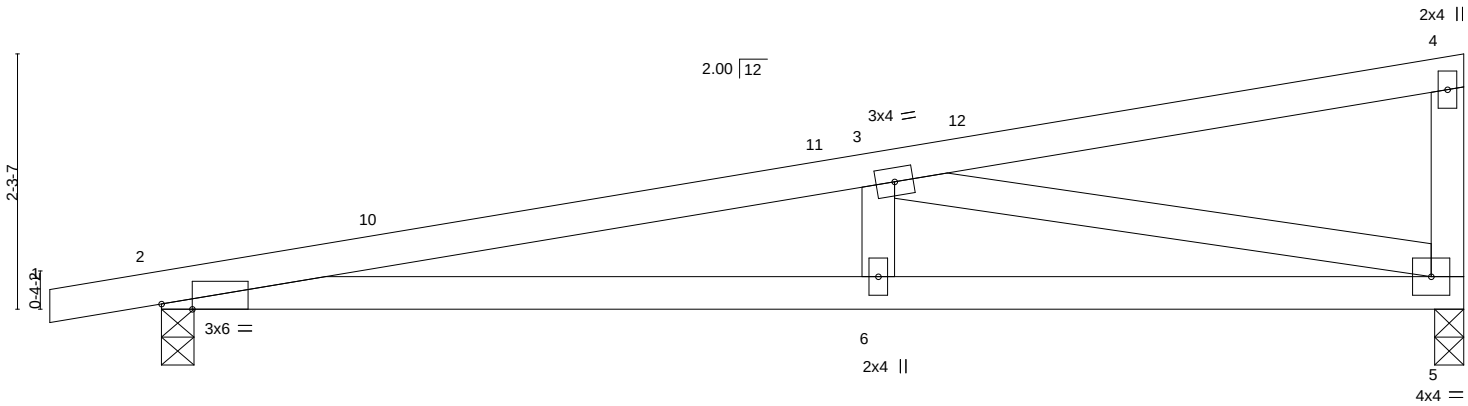
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	EJ02	Jack-Closed	3	1	T23611253
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:25:57 2021 Page 1
ID:?batxm1y7s36M6H7BYML76yubcf-Z_PG3fKgWIal9V9eJbPYw_4dbqgWKZSuo?CLExzQ8XO

-1-0-0 1-0-0 | 6-5-1 6-5-1 | 11-8-0 5-2-15

Scale = 1:20.6



6-5-1 6-5-1 | 11-8-0 5-2-15

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	0.34	Vert(LL)	-0.08	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.16	6-9	>875	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 48 lb	FT = 20%

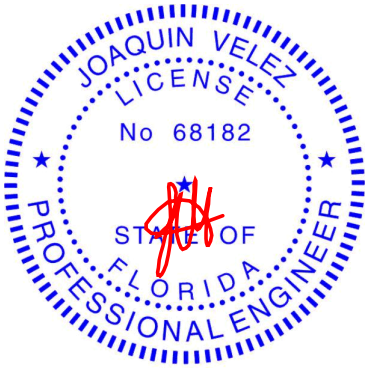
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-4-3 oc bracing.

REACTIONS. (size) 5=0-3-2, 2=0-3-8
Max Horz 2=74(LC 8)
Max Uplift 5=-119(LC 8), 2=-149(LC 8)
Max Grav 5=424(LC 1), 2=483(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1272/437
BOT CHORD 2-6=-490/1244, 5-6=-490/1244
WEBS 3-5=-1234/476

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 11-6-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) 5=119, 2=149.



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Date:
April 19,2021

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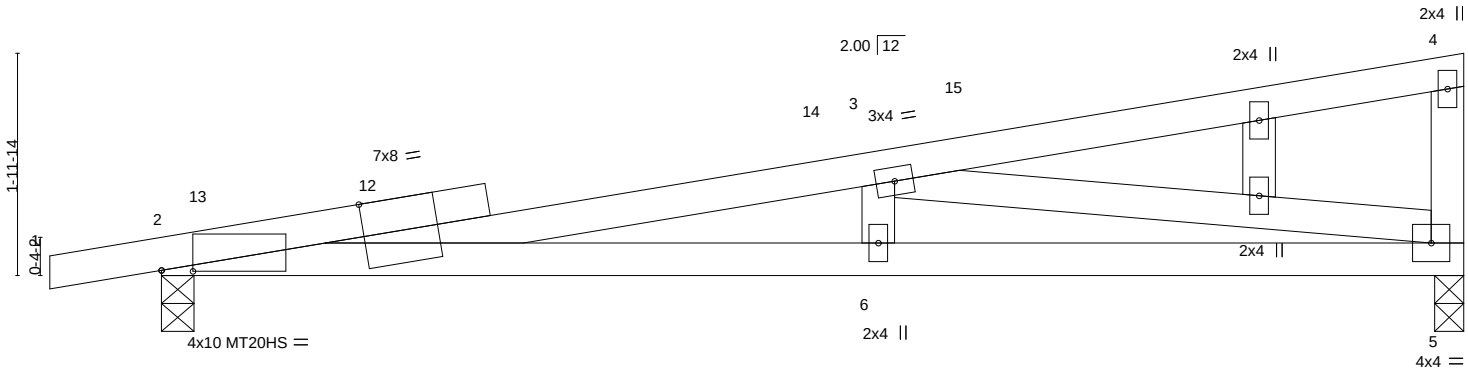
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	EJ02G	GABLE	2	1	T23611254
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:25:58 2021 Page 1
ID:?batxm1y7s36M6H7BYML76yubcf-1AyeG?LJHbicmfkqtJwnTBdmqEys3zF11fyvmOzQ8XN

-1-0-0 6-5-1 11-8-0
1-0-0 6-5-1 5-2-15

Scale = 1:20.6



6-5-1 11-8-0
6-5-1 5-2-15

Plate Offsets (X,Y)-- [2:0-3-6,0-0-2], [2:1-10-1,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.13	6-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.24	6-11	>570	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 50 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 3-8-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-11-12 oc bracing.

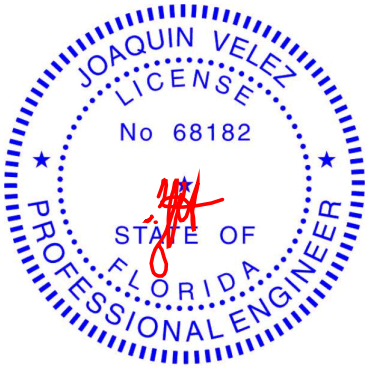
REACTIONS. (size) 2=0-3-8, 5=0-3-2
Max Horz 2=77(LC 8)
Max Uplift 2=-224(LC 8), 5=-127(LC 8)
Max Grav 2=630(LC 1), 5=441(LC 1)

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

TOP CHORD	2-3=-1745/642
BOT CHORD	2-6=-693/1713, 5-6=-693/1713
WEBS	3-5=-1673/667

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 11-6-4 zone;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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=224, 5=127.



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6904 Parke East Blvd. Tampa FL 33610
Date:
April 19,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	EJ03	MONO TRUSS	13	1	T23611255
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:25:59 2021 Page 1

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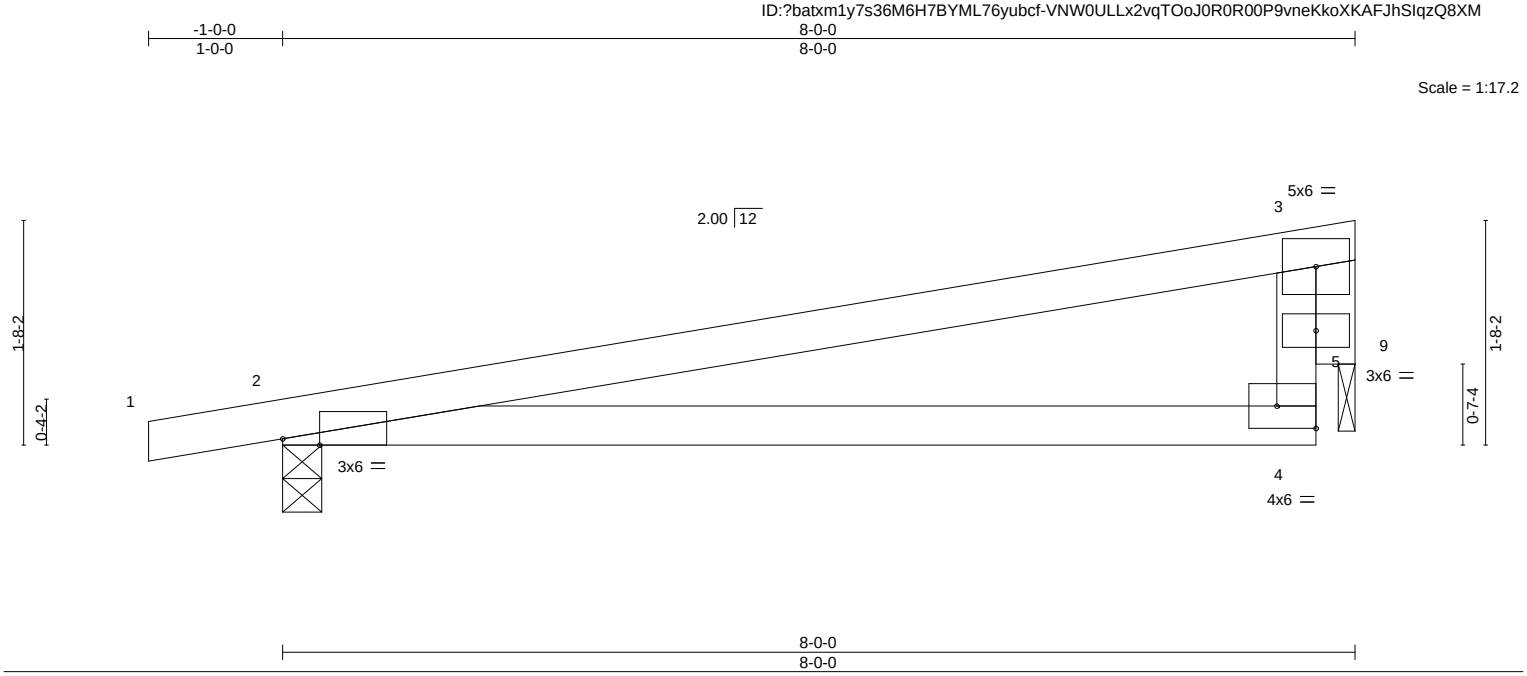


Plate Offsets (X,Y)-- [2:0-3-5,Edge], [4:Edge,0-2-0]

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	0.62	Vert(LL)	0.28	4-8	>343	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	0.23	4-8	>405	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MR							Weight: 28 lb	FT = 20%

LUMBER-

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

BRACING-

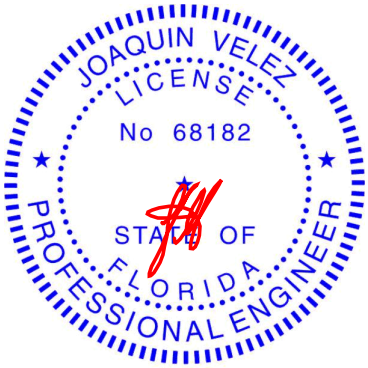
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-4-3 oc bracing.

REACTIONS. (size) 2=0-3-8, 9=0-1-8
Max Horz 2=51(LC 8)
Max Uplift 2=-180(LC 8), 9=-132(LC 8)
Max Grav 2=350(LC 1), 9=263(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-316/426, 4-5=-255/149, 3-5=-255/149
BOT CHORD 2-4=-457/296
WEBS 3-9=-326/490

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 7-6-12 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=180, 9=132.



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Date:
April 19,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	EJ03G	GABLE	2	1	T23611256

Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:25:59 2021 Page 1

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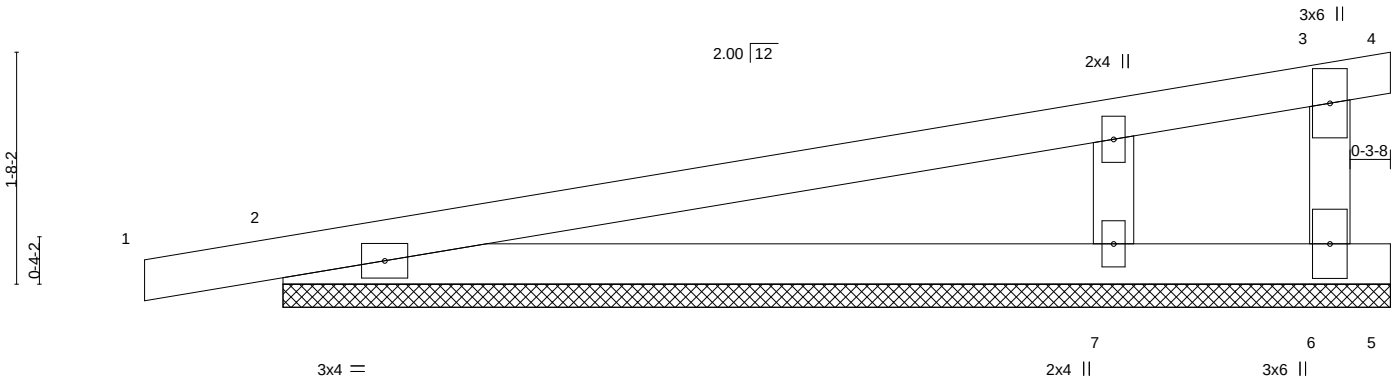
-1-0-0 1-0-0 | 8-0-0 8-0-0

Scale = 1:16.6



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	0.61	Vert(LL)	-0.01	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	0.02	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 28 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. All bearings 8-0-0.

(lb) - Max Horz 2=53(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 5 except 4=-558(LC 1), 6=-362(LC 12), 2=-100(LC 8)

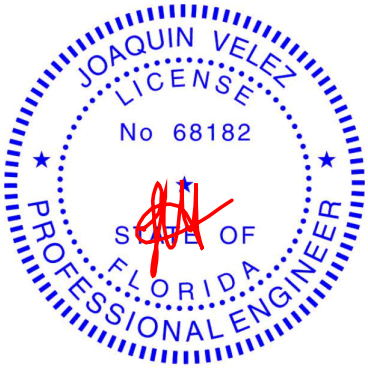
Max Grav All reactions 250 lb or less at joint(s) 5 except 4=263(LC 12), 6=639(LC 1), 2=270(LC 1), 7=294(LC 3)

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

TOP CHORD 3-6=-804/979

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-0-0 to 2-0-0, Exterior(2N) 2-0-0 to 8-0-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) 5 except (jt=lb) 4=558, 6=362, 2=100.



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Date:
April 19,2021

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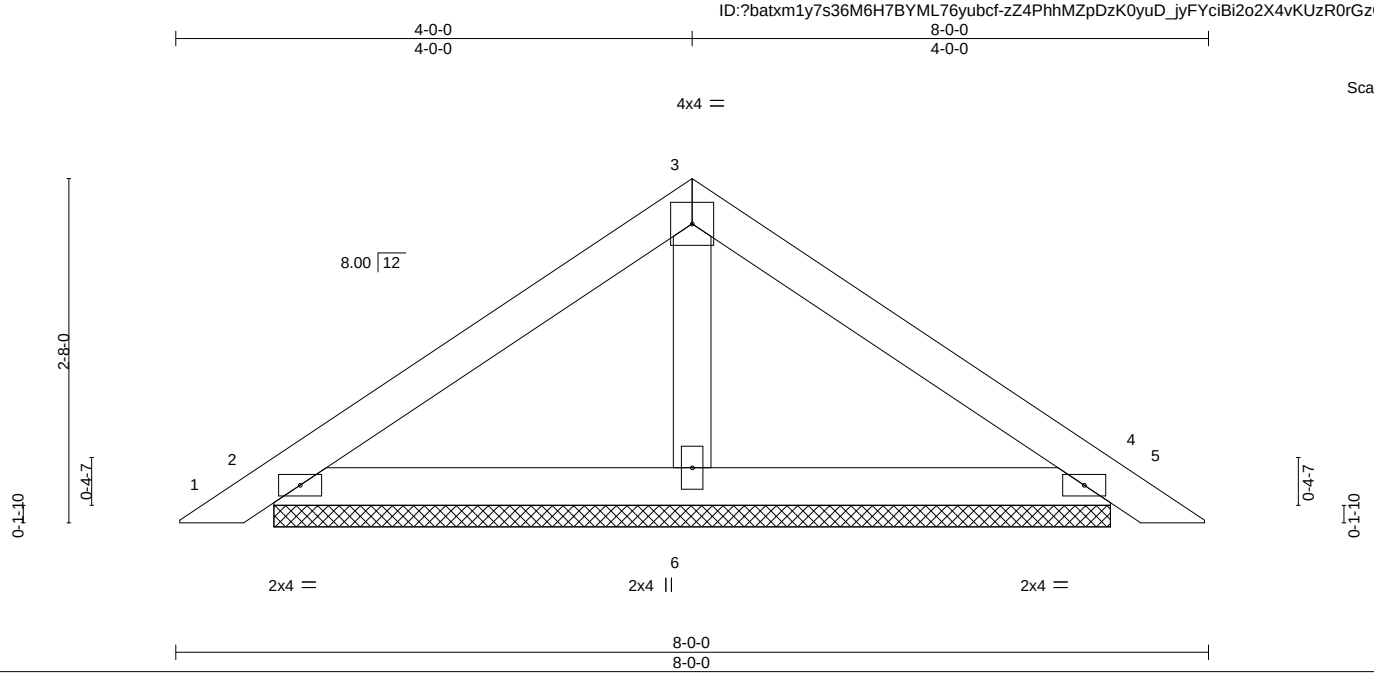
Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	PB01	Piggyback	14	1	T23611257
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:00 2021 Page 1
ID:?batxm1y7s36M6H7BYML76yubcf-zZ4PhhMZpDzK0yuD_jyFYciBi2o2X4vKUzR0rGzQ8XL



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	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-P							Weight: 27 lb	FT = 20%

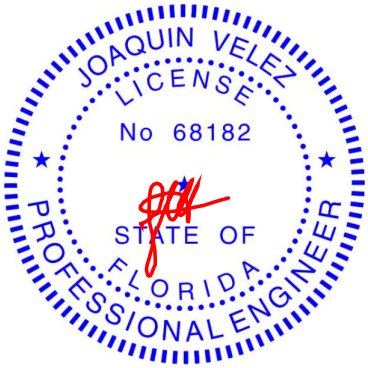
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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=6-5-13, 4=6-5-13, 6=6-5-13
Max Horz 2=55(LC 11)
Max Uplift 2=-50(LC 12), 4=-57(LC 13), 6=-16(LC 12)
Max Grav 2=156(LC 1), 4=156(LC 1), 6=219(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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Interior(1) 3-3-5 to 4-0-0, Exterior(2R) 4-0-0 to 7-2-15, Interior(1) 7-2-15 to 7-8-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
8) 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 - DRAWDY RES.
2733930	PB01G	GABLE	2	1	T23611258
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:01 2021 Page 1
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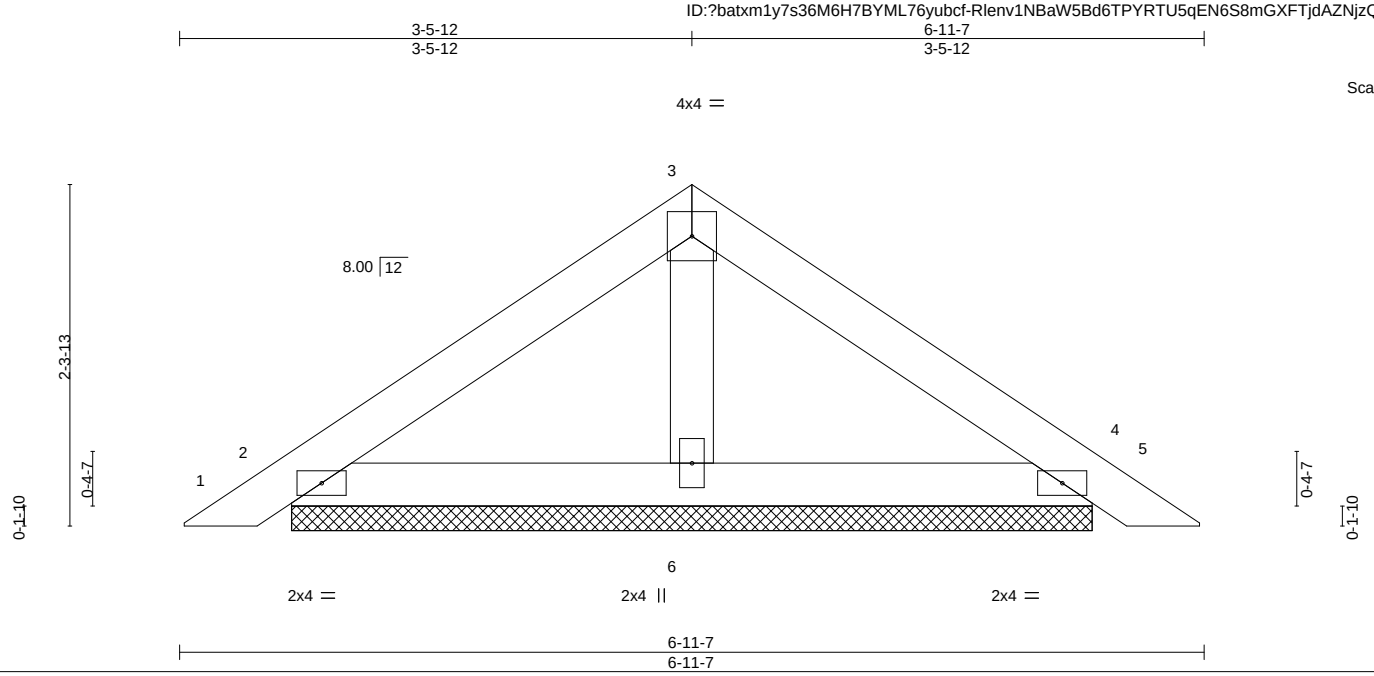


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%

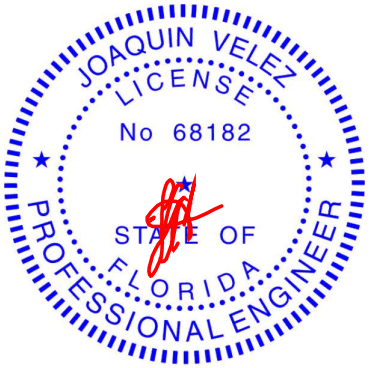
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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=5-5-3, 4=5-5-3, 6=5-5-3
Max Horz 2=-47(LC 10)
Max Uplift 2=-44(LC 12), 4=-50(LC 13), 6=-13(LC 12)
Max Grav 2=136(LC 1), 4=136(LC 1), 6=182(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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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, 4, 6.
10) 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 - DRAWDY RES.
2733930	PB02	Piggyback	28	1	T23611259
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:02 2021 Page 1
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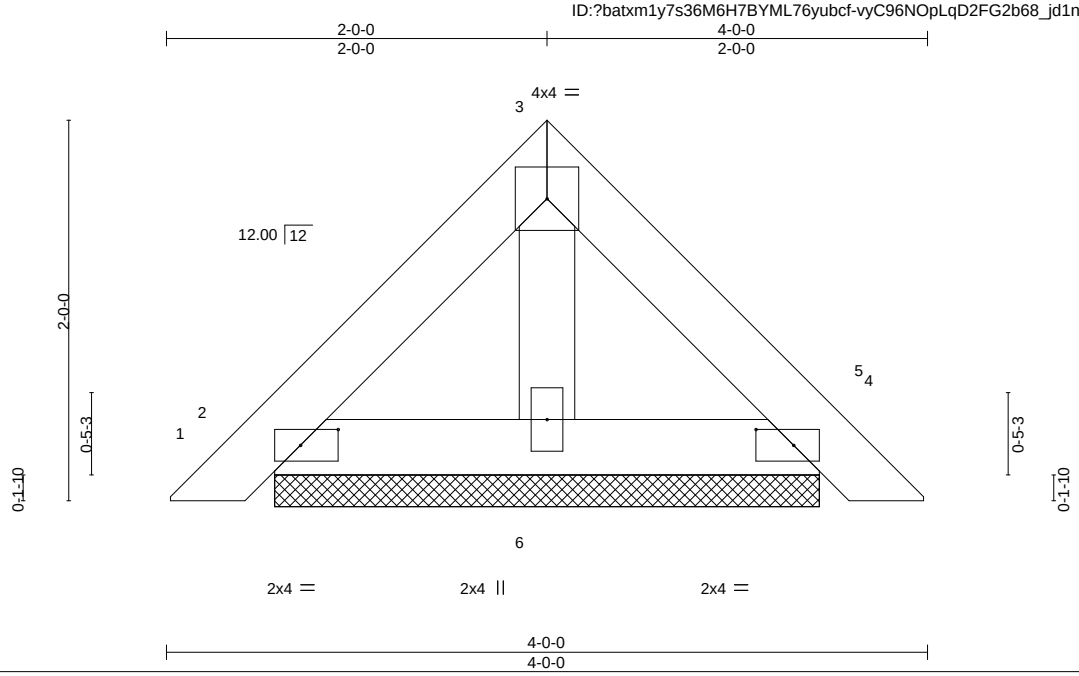


Plate Offsets (X,Y)-- [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

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	0.06	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	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 14 lb	FT = 20%

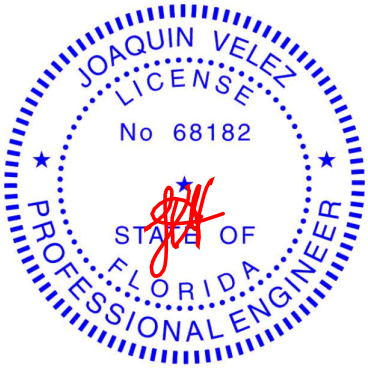
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. (size) 2=2-10-6, 4=2-10-6, 6=2-10-6
Max Horz 2=-39(LC 10)
Max Uplift 2=-25(LC 12), 4=-29(LC 13), 6=-1(LC 12)
Max Grav 2=84(LC 1), 4=84(LC 1), 6=83(LC 3)

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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
8) 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 - DRAWDY RES.
2733930	PB02G	PIGGYBACK	3	1	T23611260
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:02 2021 Page 1
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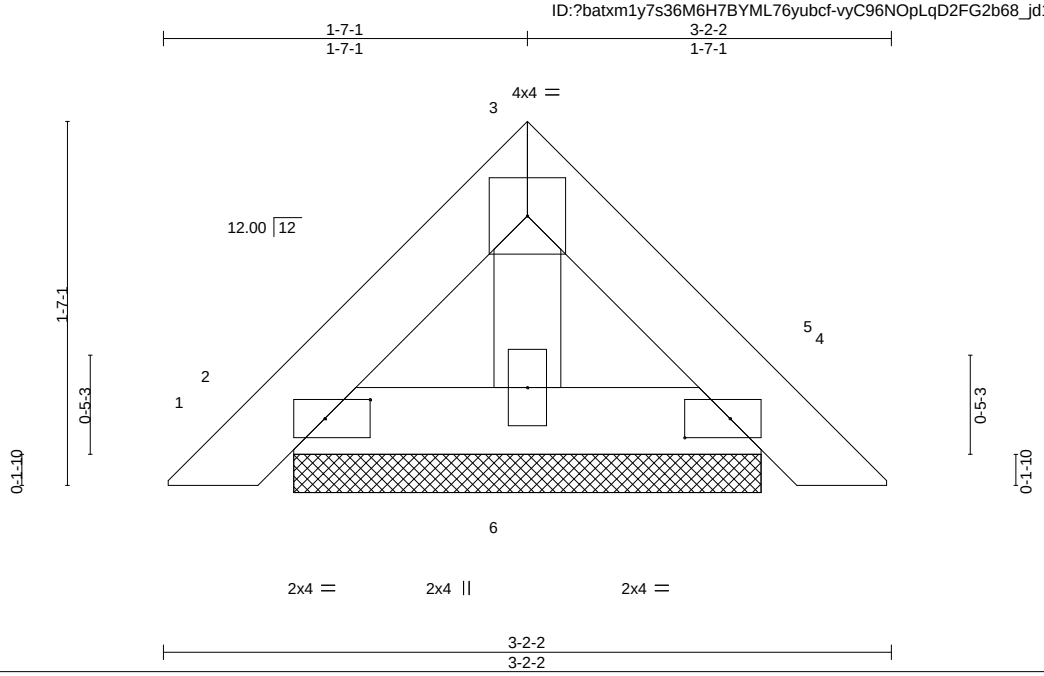


Plate Offsets (X,Y)-- [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

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	0.03	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 11 lb	FT = 20%

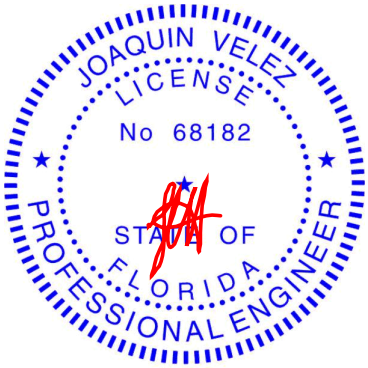
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=2-0-8, 4=2-0-8, 6=2-0-8
Max Horz 2=30(LC 11)
Max Uplift 2=-21(LC 12), 4=-24(LC 13)
Max Grav 2=66(LC 1), 4=66(LC 1), 6=59(LC 3)

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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
8) 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 - DRAWDY RES. T23611261
2733930	T01G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:04 2021 Page 1
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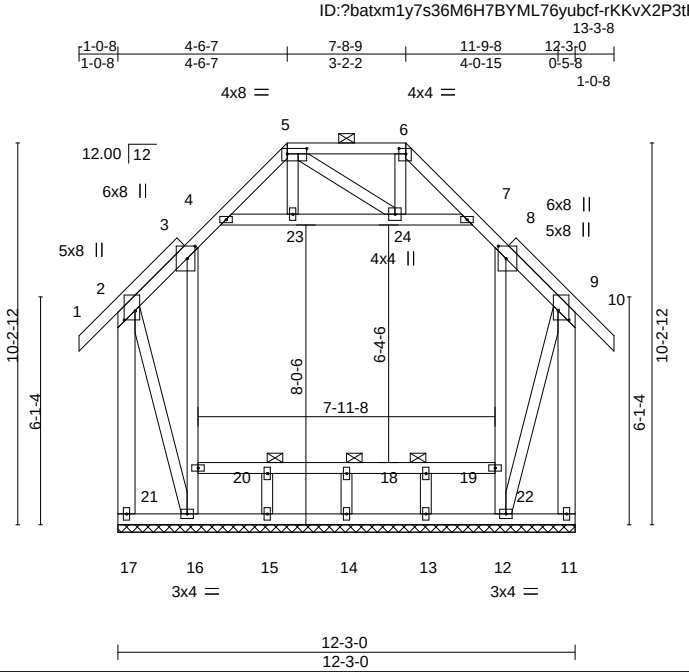


Plate Offsets (X,Y)-- [2:0-3-0,0-3-8], [3:0-4-0,0-2-8], [5:0-6-4,0-1-12], [6:0-2-4,0-1-12], [8:0-4-0,0-2-8], [9:0-3-0,0-3-8]

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	0.19	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	-0.00	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 154 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 2-17,9-11: 2x6 SP No.2
OTHERS	2x4 SP No.3

BRACING-

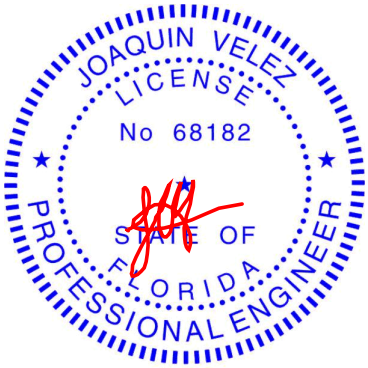
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 18, 19, 20

REACTIONS. All bearings 12-3-0.
(lb) - Max Horz 17=-301(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 17=-375(LC 8), 11=-347(LC 9), 12=-375(LC 8), 16=-403(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 14, 13, 15 except 17=454(LC 20), 11=431(LC 19), 12=459(LC 11), 16=489(LC 10)

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

TOP CHORD	2-17=-428/375, 9-11=-406/339
BOT CHORD	16-17=-280/276
WEBS	12-22=-270/87, 8-22=-270/87, 16-21=-269/90, 3-21=-270/90, 2-16=-373/405, 9-12=-352/379

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-0-8 to 1-11-4, Exterior(2N) 1-11-4 to 4-6-7, Corner(3E) 4-6-7 to 7-8-9, Corner(3R) 7-8-9 to 10-8-9, Exterior(2N) 10-8-9 to 13-3-8 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 375 lb uplift at joint 17, 347 lb uplift at joint 11, 375 lb uplift at joint 12 and 403 lb uplift at joint 16.
13) 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 - DRAWDY RES.
2733930	T02	Attic	3	1	T23611262
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:05 2021 Page 1

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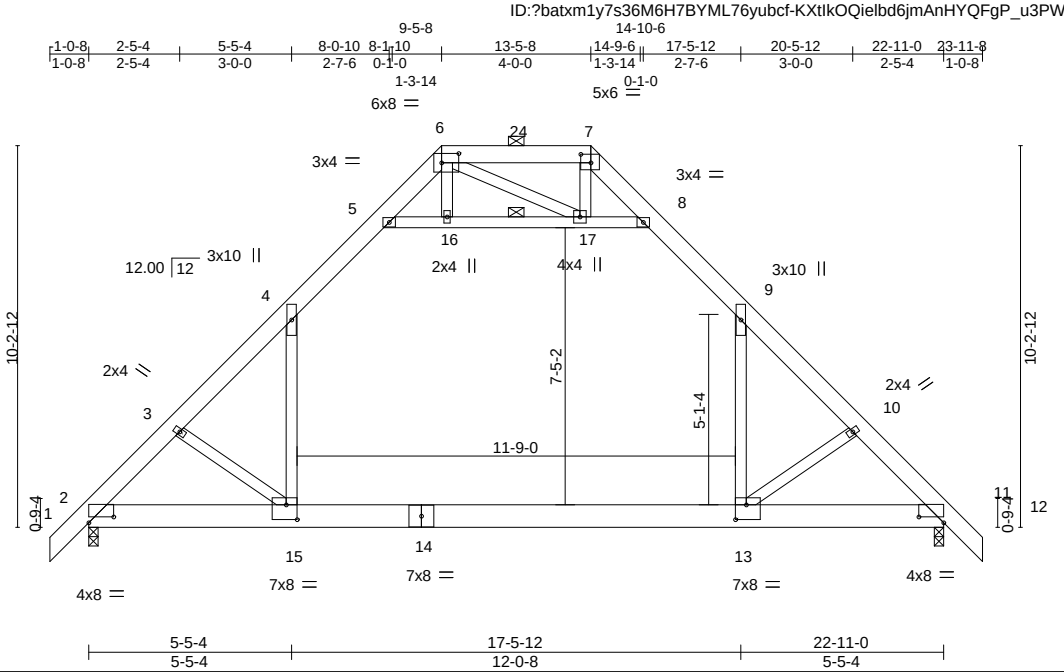


Plate Offsets (X,Y)-- [2:0-8-0,0-1-14], [6:0-5-8,0-3-0], [7:0-3-4,0-2-12], [11:0-8-0,0-1-14], [13:0-3-8,0-4-12], [15:0-3-8,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.29	13-15	>960	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.47	13-15	>587	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Attic	-0.19	13-15	763	360	Weight: 197 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP M 26 *Except* 6-7: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-

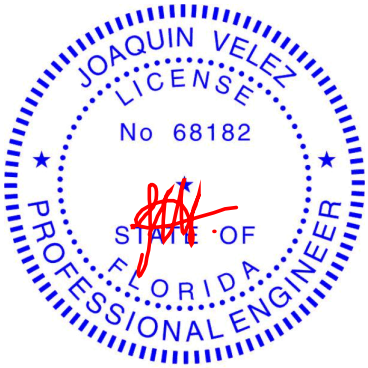
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-8

REACTIONS. (size) 2=0-3-0, 11=0-3-0
Max Horz 2=-233(LC 10)
Max Uplift 2=-15(LC 12), 11=-15(LC 13)
Max Grav 2=1377(LC 2), 11=1377(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1933/0, 3-4=-1843/0, 4-5=-996/95, 5-6=-116/255, 6-7=0/476, 7-8=-105/274, 8-9=-997/105, 9-10=-1841/0, 10-11=-1931/0
BOT CHORD 2-15=-52/1464, 13-15=0/1141, 11-13=0/1330
WEBS 4-15=0/1172, 5-16=-1494/75, 16-17=-1489/77, 8-17=-1516/78, 9-13=0/1168, 3-15=-407/178, 10-13=-407/180

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-8 to 2-2-15, Interior(1) 2-2-15 to 9-5-8, Exterior(2E) 9-5-8 to 13-5-8, Exterior(2R) 13-5-8 to 17-5-15, Interior(1) 17-5-15 to 23-11-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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). 4-5, 8-9, 5-16, 16-17, 8-17; Wall dead load (5.0psf) on member(s).4-15, 9-13
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 2 and 15 lb uplift at joint 11.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.



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6904 Parke East Blvd. Tampa FL 33610
Date:
April 19,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES. T23611263
2733930	T02G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:06 2021 Page 1
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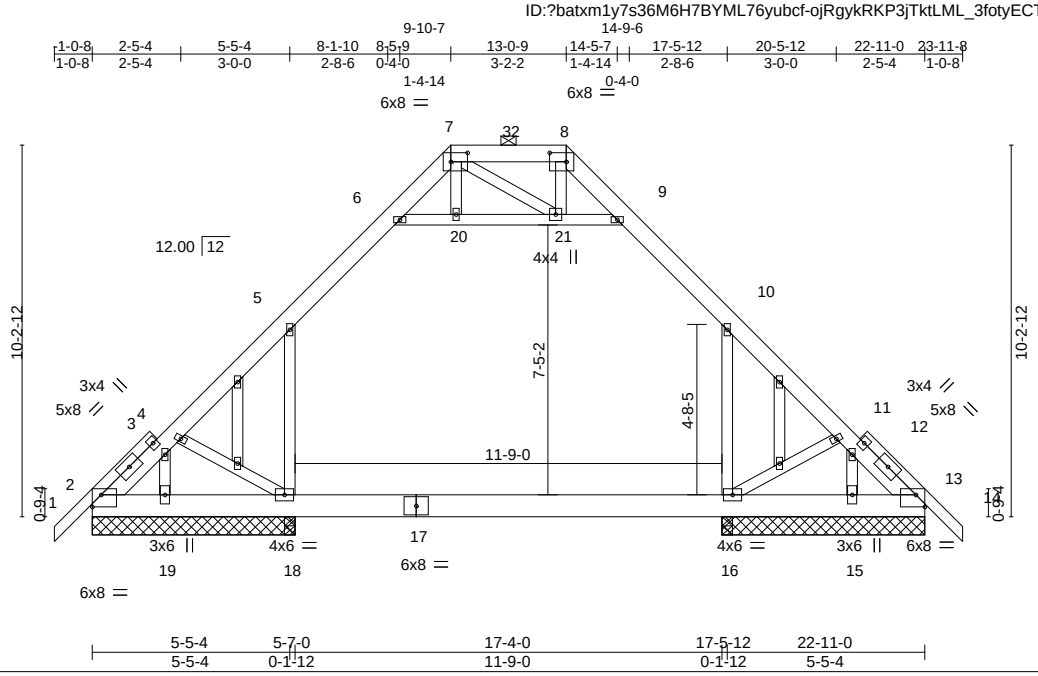


Plate Offsets (X,Y)-- [2:Edge,0-4-0], [7:0-5-8,0-3-0], [8:0-5-8,0-3-0], [13:Edge,0-4-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	-0.12	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.18	16-18	>787	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Attic	-0.12	16-18	1173	360	Weight: 206 lb	FT = 20%

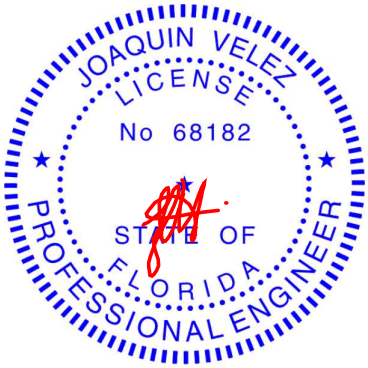
LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-3,12-14: 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 5-7-0.
(lb) - Max Horz 2=-231(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 13, 18, 16 except 15=-655(LC 18), 19=-655(LC 18)
Max Grav All reactions 250 lb or less at joint(s) except 2=596(LC 21), 13=589(LC 20), 18=1435(LC 20), 18=779(LC 1), 16=1434(LC 21), 16=779(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-510/82, 4-5=-428/101, 5-6=-464/110, 6-7=-257/58, 8-9=-255/57, 9-10=-464/122, 10-11=-428/94, 11-13=-509/73
BOT CHORD 2-19=-71/408, 18-19=-71/408, 16-18=-52/328, 15-16=-45/388, 13-15=-45/388
WEBS 5-18=-324/212, 10-16=-319/208

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-8 to 2-2-12, Interior(1) 2-2-12 to 9-10-7, Exterior(2E) 9-10-7 to 13-0-9, Exterior(2R) 13-0-9 to 17-5-15, Interior(1) 17-5-15 to 23-11-8 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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.
10) Ceiling dead load (5.0 psf) on member(s). 5-6, 9-10, 6-20, 20-21, 9-21; Wall dead load (5.0psf) on member(s).5-18, 10-16
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 16-18
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13, 18, 16 except (jt=lb) 15=655, 19=655.
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.



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Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	T03	Attic	9	1	T23611264
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:07 2021 Page 1
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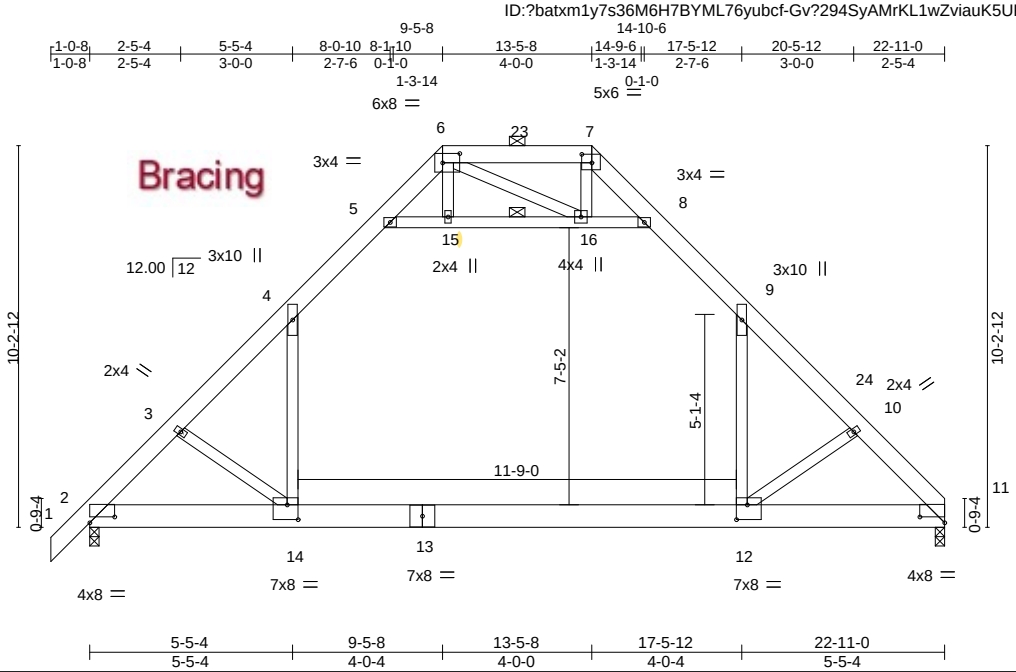


Plate Offsets (X,Y)-- [2:0-8-0,0-1-14], [6:0-5-8,0-3-0], [7:0-3-4,0-2-12], [11:0-8-0,0-1-14], [12:0-3-8,0-4-12], [14:0-3-8,0-4-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.29	12-14	>960	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.47	12-14	>587	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Attic	-0.19	12-14	763	360	Weight: 194 lb	FT = 20%

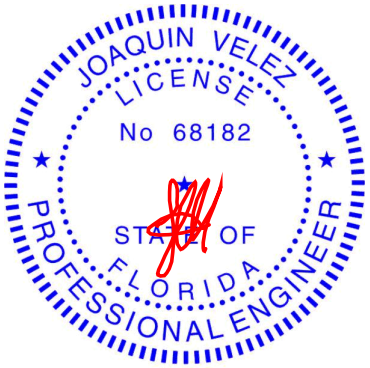
LUMBER-
TOP CHORD 2x6 SP M 26 *Except* 6-7: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

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

REACTIONS. (size) 11=0-3-0, 2=0-3-0
Max Horz 2=226(LC 9)
Max Uplift 2=-15(LC 12)
Max Grav 11=1330(LC 2), 2=1378(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1936/0, 3-4=-1846/0, 4-5=-998/97, 5-6=-116/255, 6-7=0/477, 7-8=-104/274, 8-9=-998/107, 9-10=-1843/0, 10-11=-1937/0
BOT CHORD 2-14=-67/1453, 12-14=0/1130, 11-12=0/1338
WEBS 3-14=-407/178, 4-14=0/1172, 5-15=-1498/79, 15-16=-1493/80, 8-16=-1517/78, 9-12=0/1170, 10-12=-417/187

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-8 to 2-2-15, Interior(1) 2-2-15 to 9-5-8, Exterior(2E) 9-5-8 to 13-5-8, Exterior(2R) 13-5-8 to 17-5-15, Interior(1) 17-5-15 to 22-11-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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). 4-5, 8-9, 5-15, 15-16, 8-16; Wall dead load (5.0psf) on member(s).4-14, 9-12
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.



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Date:
April 19,2021

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Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	T04	Piggyback Base	8	1	T23611265
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:08 2021 Page 1

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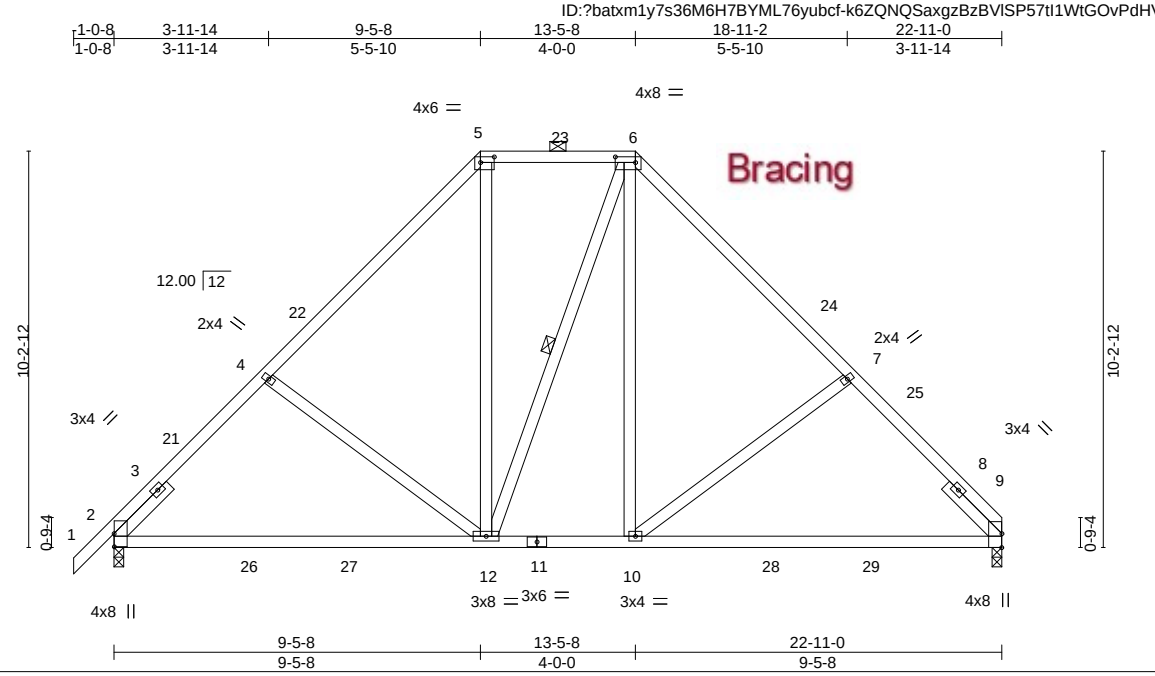


Plate Offsets (X,Y)-- [2:0-4-1,0-0-1], [5:0-4-4,0-1-12], [6:0-6-4,0-1-12], [9:0-4-5,Edge]

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	0.34	Vert(LL)	-0.16	10-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.33	10-15	>846	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 153 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-8-1 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 6-12

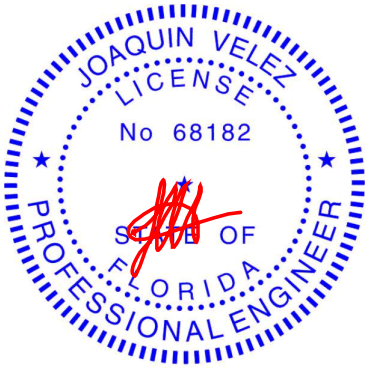
REACTIONS. (size) 9=0-3-0, 2=0-3-0
Max Horz 2=225(LC 9)
Max Uplift 9=-155(LC 13), 2=-177(LC 12)
Max Grav 9=923(LC 2), 2=969(LC 2)

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

TOP CHORD	2-4=-970/224, 4-5=-862/234, 5-6=-545/239, 6-7=-866/248, 7-9=-977/236
BOT CHORD	2-12=-224/807, 10-12=-55/574, 9-10=-108/692
WEBS	4-12=-262/226, 5-12=-99/388, 6-10=-99/404, 7-10=-267/229

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-8 to 1-11-8, Interior(1) 1-11-8 to 9-5-8, Exterior(2E) 9-5-8 to 13-5-8, Exterior(2R) 13-5-8 to 17-8-7, Interior(1) 17-8-7 to 22-11-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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) 9=155, 2=177.
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:
April 19,2021

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Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES. T23611266
2733930	T05	Piggyback Base	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:09 2021 Page 1
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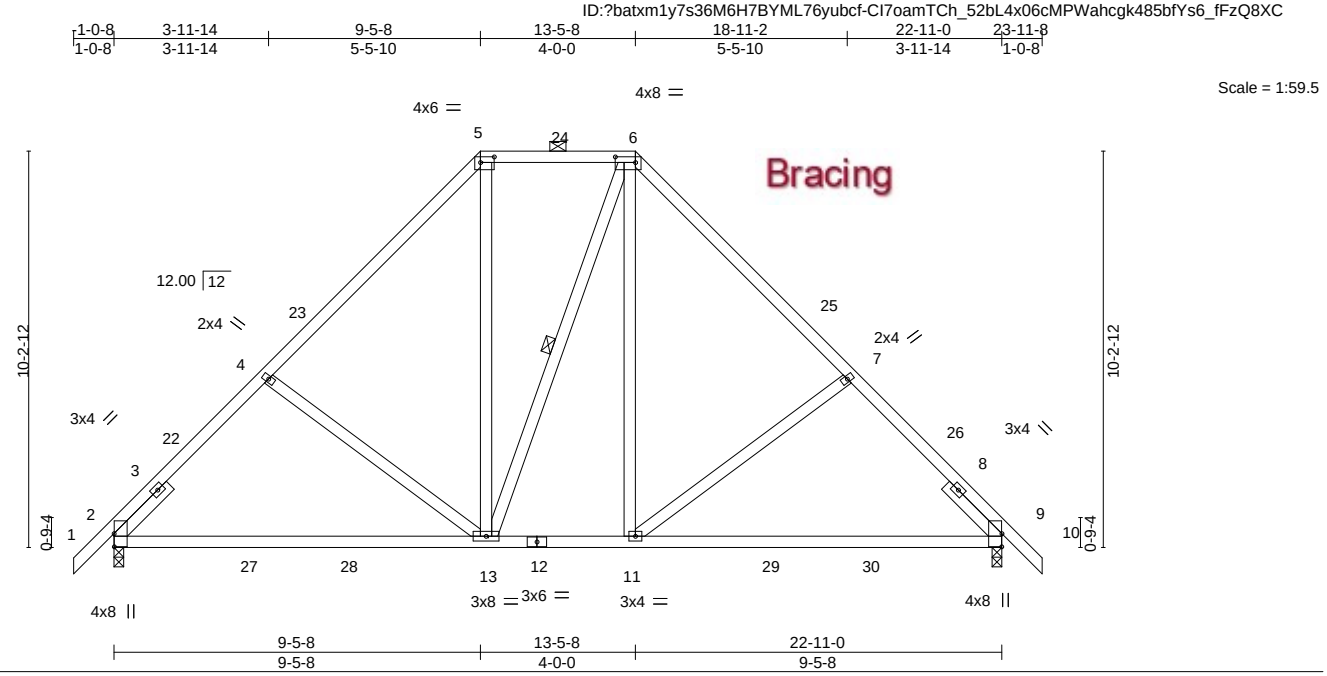


Plate Offsets (X,Y)-- [2:0-4-1,0-0-1], [5:0-4-4,0-1-12], [6:0-6-4,0-1-12], [9:0-4-1,0-0-1]

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	0.34	Vert(LL)	-0.16	11-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.32	11-20	>850	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 155 lb	FT = 20%

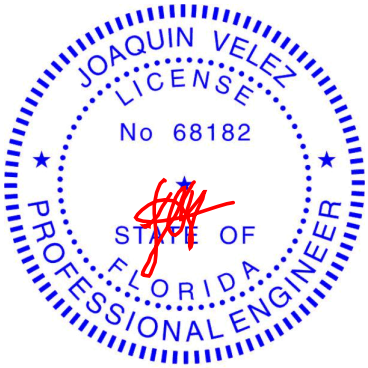
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -t 1-11-8, Right 2x4 SP No.3 -t 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-14 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-13

REACTIONS. (size) 2=0-3-0, 9=0-3-0
Max Horz 2=-233(LC 10)
Max Uplift 2=-177(LC 12), 9=-177(LC 13)
Max Grav 2=968(LC 2), 9=970(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-969/223, 4-5=-861/232, 5-6=-544/237, 6-7=-863/244, 7-9=-971/232
BOT CHORD 2-13=-208/818, 11-13=-46/585, 9-11=-83/687
WEBS 4-13=-262/226, 5-13=-99/387, 6-11=-97/399, 7-11=-263/226

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-8 to 1-11-8, Interior(1) 1-11-8 to 9-5-8, Exterior(2E) 9-5-8 to 13-5-8, Exterior(2R) 13-5-8 to 17-8-7, Interior(1) 17-8-7 to 23-11-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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) 2=177, 9=177.
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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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES. T23611267
2733930	T05G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:10 2021 Page 1
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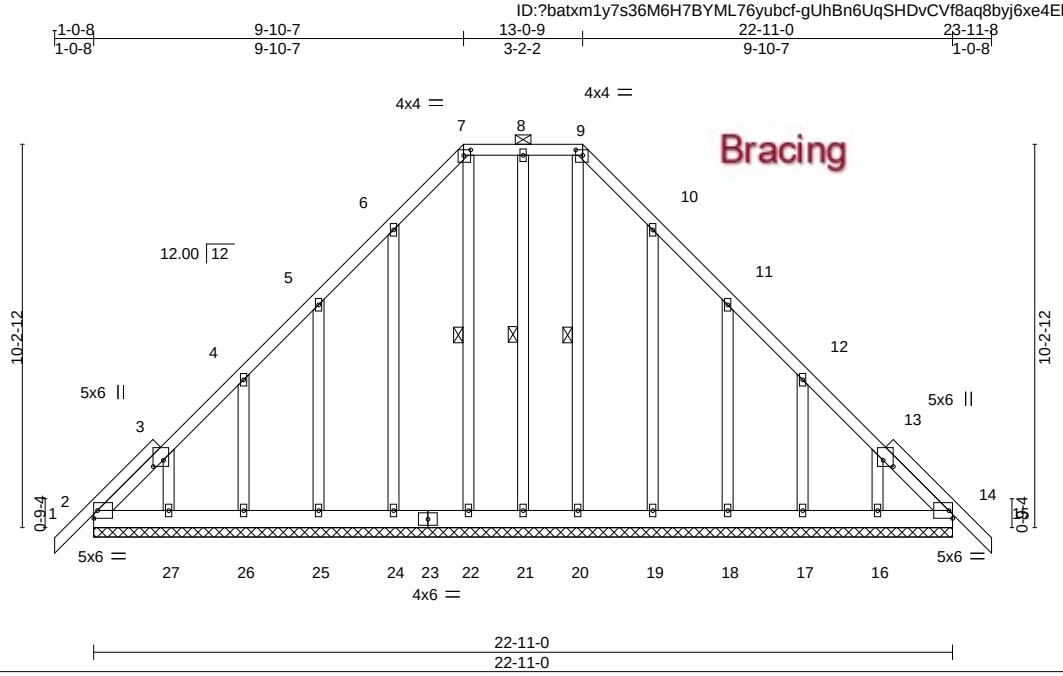


Plate Offsets (X,Y)-- [3:0-2-0,0-3-4], [7:0-2-4,0-1-12], [9:0-2-4,0-1-12], [13:0-2-0,0-3-4]

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	0.06	Vert(LL)	-0.00	15	n/r	120	MT20	244/190
TCDL 7.0		Lumber DOL 1.25	BC	0.03	Vert(CT)	-0.00	15	n/r	120		
BCLL 0.0	*	Rep Stress Incr YES	WB	0.15	Horz(CT)	0.01	14	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014	Matrix-S							Weight: 209 lb	FT = 20%

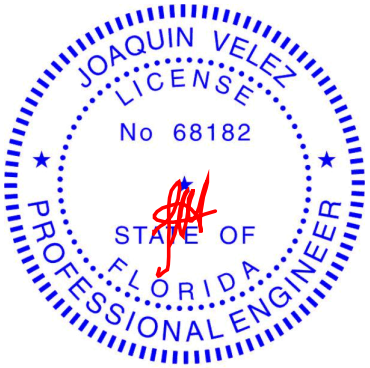
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 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 8-21, 9-20, 7-22

REACTIONS. All bearings 22-11-0.
(lb) - Max Horz 2=-232(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 17, 26, 22 except 16=-123(LC 13), 18=-112(LC 13), 19=-106(LC 13), 27=-127(LC 12), 25=-112(LC 12), 24=-107(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 21, 16, 17, 18, 19, 20, 27, 26, 25, 24, 22

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-273/184

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-0-8 to 1-11-4, Exterior(2N) 1-11-4 to 9-10-7, Corner(3E) 9-10-7 to 13-0-9, Corner(3R) 13-0-9 to 16-0-9, Exterior(2N) 16-0-9 to 23-11-8 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 21, 17, 26, 22 except (jt=lb) 16=123, 18=112, 19=106, 27=127, 25=112, 24=107.
12) 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:
April 19,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	T06	Piggyback Base	4	1	T23611268
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:12 2021 Page 1

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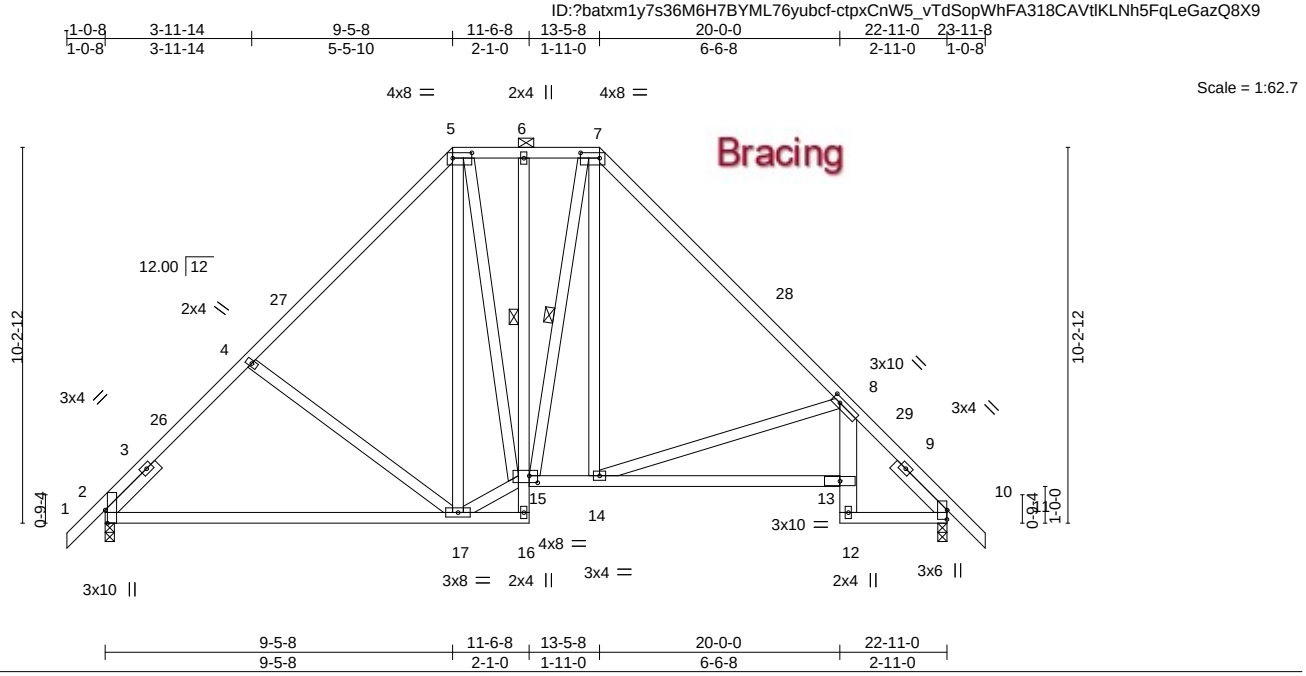


Plate Offsets (X,Y)-- [2:0-4-5,Edge], [5:0-6-4,0-1-12], [7:0-6-4,0-1-12], [8:0-2-12,0-1-8], [10:0-3-1,0-0-1], [15:0-2-12,0-2-4]

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	0.49	Vert(LL)	-0.14	17-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.28	17-20	>972	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 189 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 6-16: 2x4 SP No.3, 8-12: 2x6 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -t 1-11-8, Right 2x4 SP No.3 -t 1-11-8

REACTIONS. (size) 2=0-3-0, 10=0-3-0
Max Horz 2=-233(LC 10)
Max Uplift 2=-177(LC 12), 10=-178(LC 13)
Max Grav 2=904(LC 1), 10=904(LC 1)

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

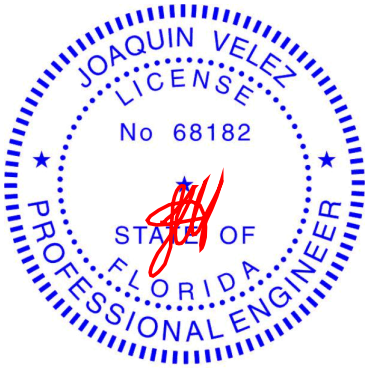
TOP CHORD	2-4=-936/221, 4-5=-805/230, 5-6=-535/227, 6-7=-536/227, 7-8=-911/229, 8-10=-985/202
BOT CHORD	2-17=-207/685, 14-15=-51/545, 13-14=-182/1059, 10-12=-79/635
WEBS	15-17=-83/556, 5-15=-52/274, 7-14=-49/388, 8-14=-565/330

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-6-15 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 16-17,15-16. 1 Row at midpt 6-15
WEBS	1 Row at midpt 7-15

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-8 to 1-11-8, Interior(1) 1-11-8 to 9-5-8, Exterior(2E) 9-5-8 to 13-5-8, Exterior(2R) 13-5-8 to 17-8-7, Interior(1) 17-8-7 to 23-11-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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) 2=177, 10=178.
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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April 19,2021

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Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	T07	Piggyback Base	3	1	T23611269
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:13 2021 Page 1
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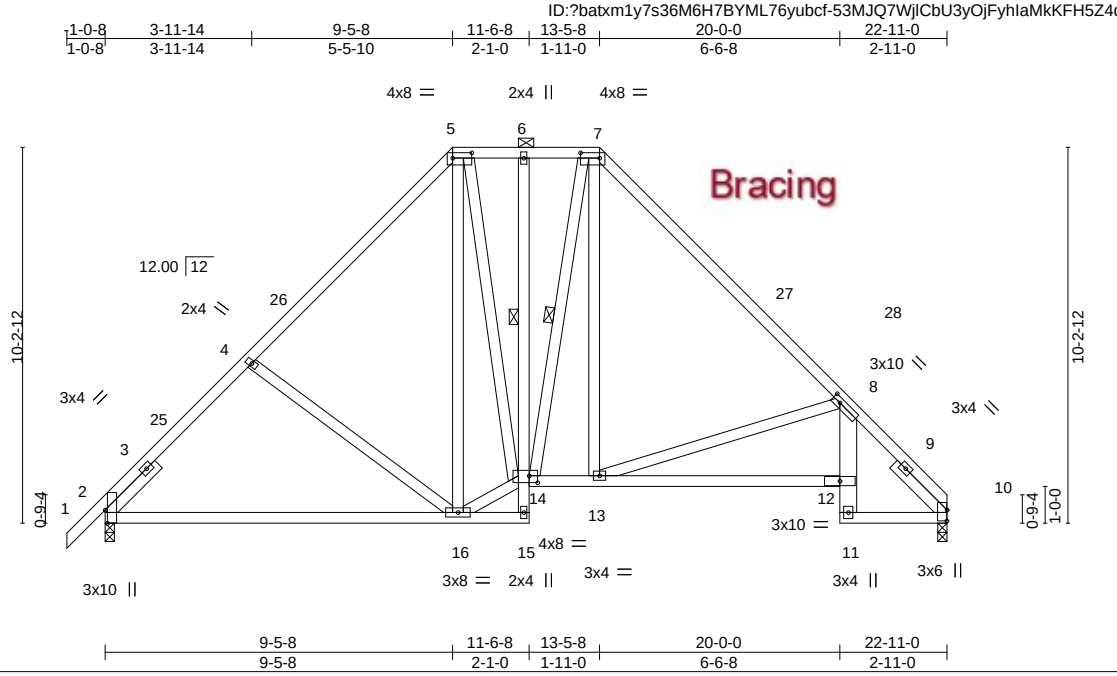


Plate Offsets (X,Y)-- [2:0-4-5,Edge], [5:0-6-4,0-1-12], [7:0-6-4,0-1-12], [8:0-2-12,0-1-8], [10:0-3-9,0-0-1], [14:0-2-12,0-2-4]

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	0.49	Vert(LL)	-0.14	16-23	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.28	16-23	>972	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 186 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 6-15: 2x4 SP No.3, 8-11: 2x6 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -t 1-11-8, Right 2x4 SP No.3 -t 1-11-8

REACTIONS. (size) 10=0-3-0, 2=0-3-0
Max Horz 2=225(LC 9)
Max Uplift 10=-155(LC 13), 2=-177(LC 12)
Max Grav 10=847(LC 1), 2=905(LC 1)

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

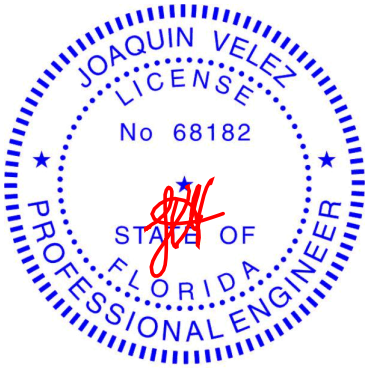
TOP CHORD	2-4=-938/223, 4-5=-807/232, 5-6=-537/233, 6-7=-538/234, 7-8=-914/239, 8-10=-996/215
BOT CHORD	2-16=-222/674, 13-14=-61/547, 12-13=-228/1071, 10-11=-111/646
WEBS	14-16=-93/546, 5-14=-61/276, 7-13=-55/389, 8-13=-577/346

BRACING-

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-8 to 1-11-8, Interior(1) 1-11-8 to 9-5-8, Exterior(2E) 9-5-8 to 13-5-8, Exterior(2R) 13-5-8 to 17-8-7, Interior(1) 17-8-7 to 22-11-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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) 10=155, 2=177.
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:
April 19,2021

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Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	T08	Common	3	1	T23611270
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:14 2021 Page 1
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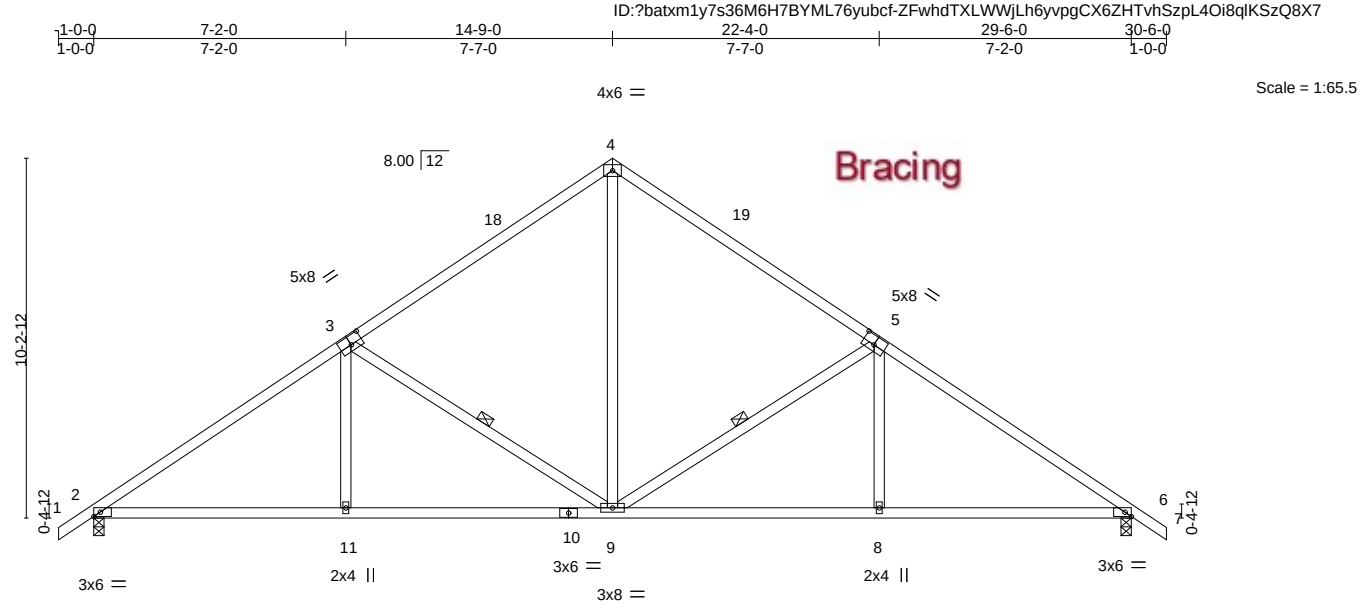


Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [5:0-4-0,0-3-0], [6:0-2-3,Edge]

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	0.62	Vert(LL)	0.08	11-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.16	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 154 lb	FT = 20%

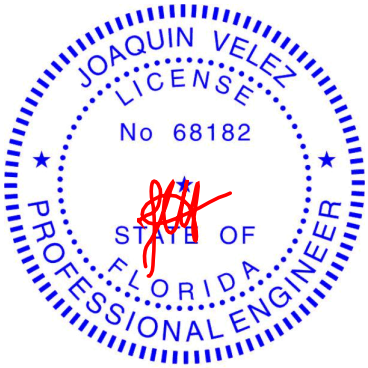
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-9, 3-9

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=231(LC 11)
Max Uplift 2=-237(LC 12), 6=-237(LC 13)
Max Grav 2=1146(LC 1), 6=1146(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1640/315, 3-4=-1124/291, 4-5=-1124/291, 5-6=-1640/315
BOT CHORD 2-11=-308/1305, 9-11=-308/1303, 8-9=-165/1290, 6-8=-165/1292
WEBS 4-9=-161/744, 5-9=-582/281, 5-8=0/309, 3-9=-582/281, 3-11=0/309

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 14-9-0, Exterior(2R) 14-9-0 to 17-9-0, Interior(1) 17-9-0 to 30-6-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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=237, 6=237.



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Date:
April 19,2021

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Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES. T23611271
2733930	T08G	Common Supported Gable	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:16 2021 Page 1
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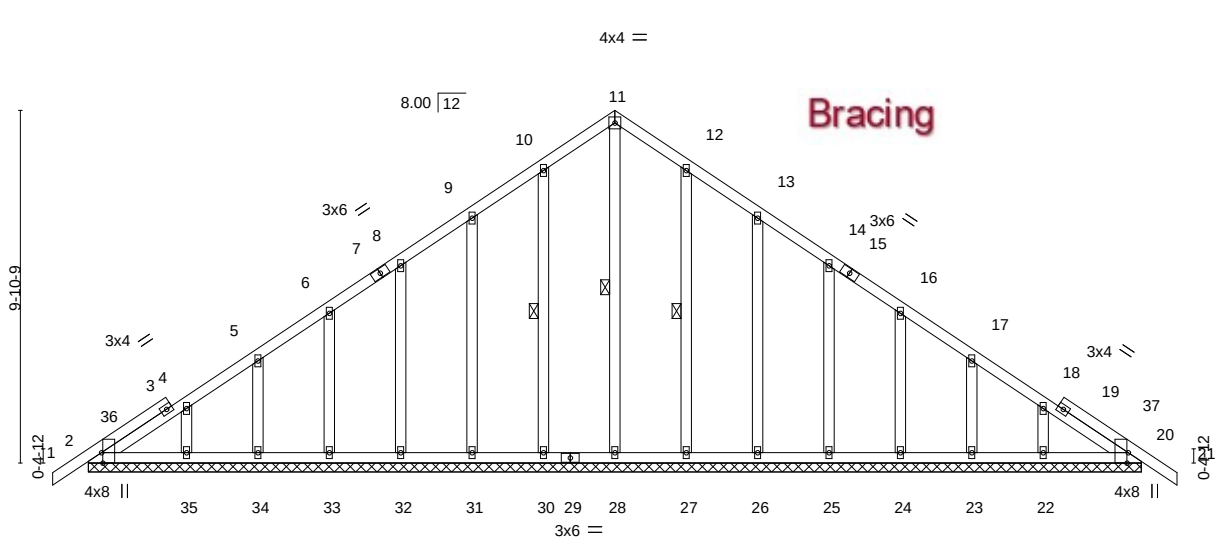
1-0-0 14-9-0 29-6-0 30-6-0
1-0-0 14-9-0 14-9-0 1-0-0

Scale: 3/16"=1'



29-6-0
29-6-0

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [20:0-3-8,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	0.06	Vert(LL)	-0.00	20	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.00	20	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 204 lb	FT = 20%

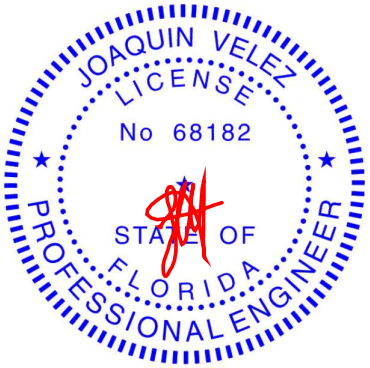
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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.
WEBS 1 Row at midpt 11-28, 10-30, 12-27

REACTIONS. All bearings 29-6-0.
(lb) - Max Horz 2=-224(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 30, 31, 32, 33, 34, 35, 27, 26, 25, 24, 23, 22, 20
Max Grav All reactions 250 lb or less at joint(s) 2, 28, 30, 31, 32, 33, 34, 35, 27, 26, 25, 24, 23, 22, 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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-0-0 to 2-0-0, Exterior(2N) 2-0-0 to 14-9-0, Corner(3R) 14-9-0 to 17-9-0, Exterior(2N) 17-9-0 to 30-6-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) 2, 30, 31, 32, 33, 34, 35, 27, 26, 25, 24, 23, 22, 20.



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Date:
April 19,2021

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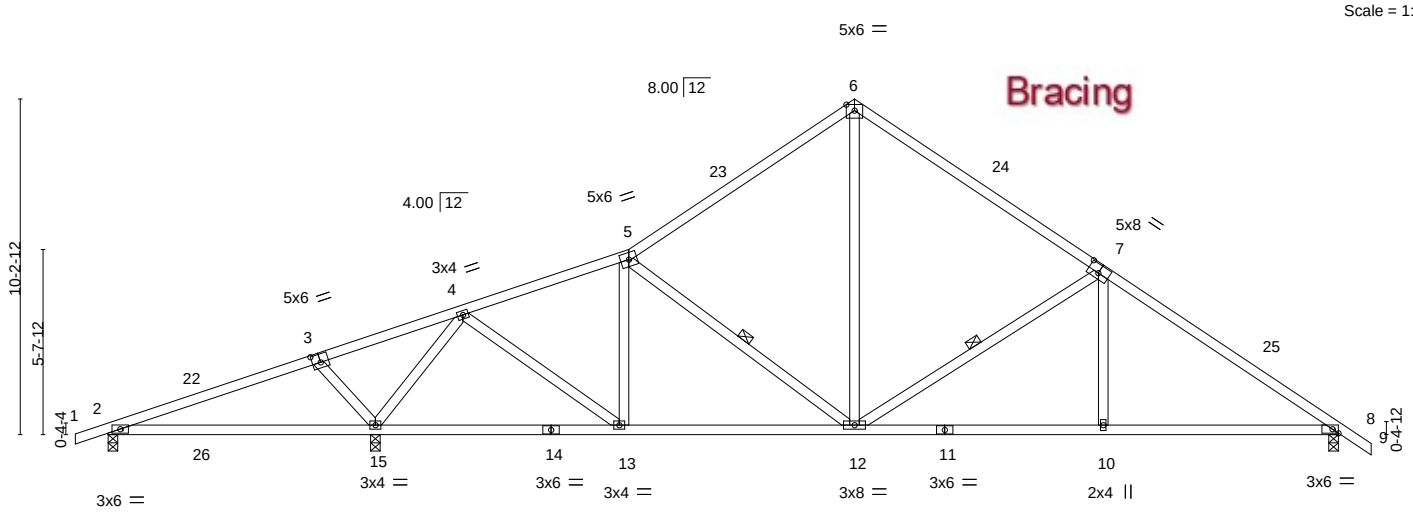
Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	T09	Roof Special	4	1	T23611272
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:17 2021 Page 1

ID:?batxm1y7s36M6H7BYML76yubcf-zqcqFVZDpR6wYZhUUomEkCvzZuVk0dwqO62PxnzQ8X4

-1-0-0	6-5-0	10-9-12	15-10-7	22-9-0	30-4-0	37-6-0	38-6-0
1-0-0	6-5-0	4-4-12	5-0-11	6-10-9	7-7-0	7-2-0	1-0-0

Scale = 1:70.2



8-1-12	15-10-7	22-9-0	30-4-0	37-6-0
8-1-12	7-8-11	6-10-9	7-7-0	7-2-0

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [7:0-4-0,0-3-0], [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	0.66	Vert(LL)	0.24	15-18	>410	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	0.20	15-18	>477	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 196 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-11-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-15.
WEBS	1 Row at midpt 5-12, 7-12

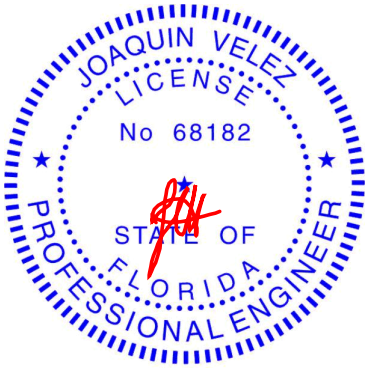
REACTIONS. (size) 2=0-3-8, 15=0-3-8, 8=0-3-8
Max Horz 2=249(LC 11)
Max Uplift 2=-182(LC 8), 15=-378(LC 12), 8=-236(LC 13)
Max Grav 2=200(LC 23), 15=1636(LC 1), 8=1086(LC 1)

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

TOP CHORD	2-3=-113/392, 3-4=-156/571, 4-5=-1048/334, 5-6=-994/376, 6-7=-1018/377, 7-8=-1535/419
BOT CHORD	2-15=-392/159, 13-15=-109/338, 12-13=-181/965, 10-12=-237/1203, 8-10=-236/1205
WEBS	3-15=-347/241, 4-15=-1447/344, 4-13=-117/770, 5-13=-329/154, 5-12=-328/170, 6-12=-199/632, 7-12=-583/280, 7-10=0/312

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 2-9-0, Interior(1) 2-9-0 to 22-9-0, Exterior(2R) 22-9-0 to 26-6-0, Interior(1) 26-6-0 to 38-6-0 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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=182, 15=378, 8=236.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 19,2021

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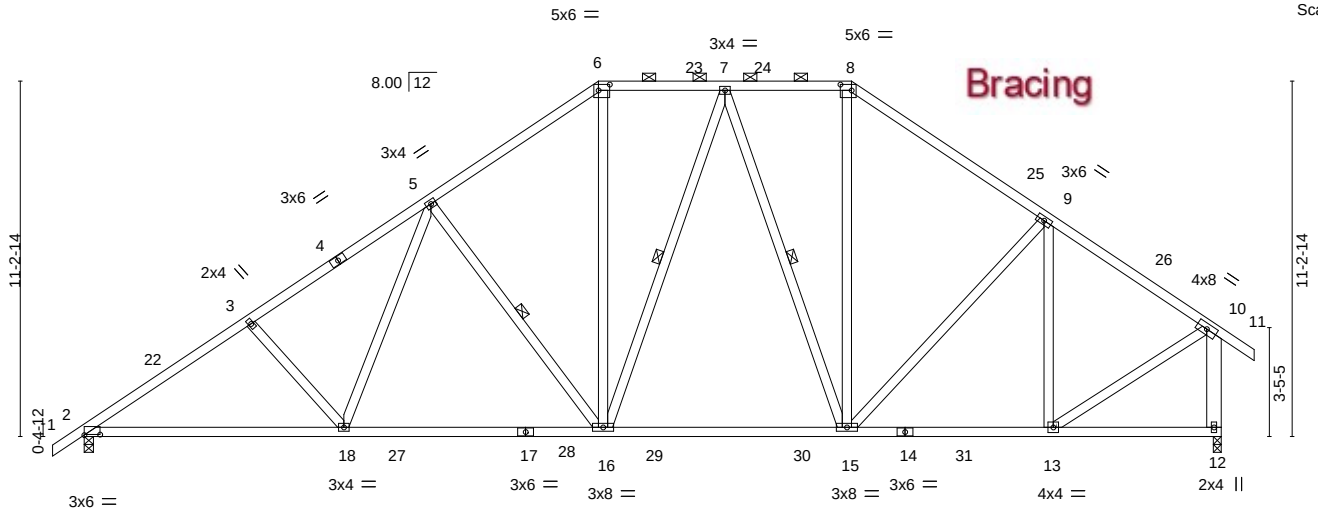
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES. T23611273
2733930	T10	Piggyback Base	4	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:18 2021 Page 1
ID:?batxm1y7s36M6H7BYML76yubcf-R1ACTrasalEnAjGg2VHTHPSCTIlnl6jzdmozTDzQ8X3

-1-0-0	5-3-5	10-11-9	16-3-3	20-3-3	24-3-3	30-6-0	35-11-8	37-0-0
1-0-0	5-3-5	5-8-4	5-3-9	4-0-0	4-0-0	6-2-13	5-5-8	1-0-8

Scale = 1:72.9



8-2-9	16-3-3	24-3-3	30-6-0	35-11-8
8-2-9	8-0-10	8-0-0	6-2-13	5-5-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.18	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.30	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 255 lb	FT = 20%

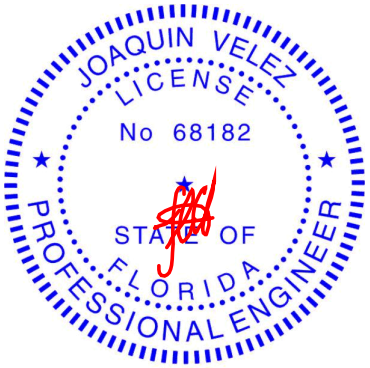
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
10-12: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-2-4 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-7-8 oc bracing: 2-18.
WEBS 1 Row at midpt 5-16, 7-15, 7-16

REACTIONS. (size) 2=0-3-8, 12=0-3-0
Max Horz 2=294(LC 11)
Max Uplift 2=-305(LC 12), 12=-279(LC 13)
Max Grav 2=1548(LC 19), 12=1559(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2296/453, 3-5=-2164/457, 5-6=-1576/387, 6-7=-1256/366, 7-8=-1108/317, 8-9=-1409/317, 9-10=-1300/245, 10-12=-1480/291
BOT CHORD 2-18=-465/2043, 16-18=-307/1660, 15-16=-183/1212, 13-15=-155/1034
WEBS 3-18=-279/188, 5-18=-102/576, 5-16=-628/269, 6-16=-122/646, 7-15=-394/173, 8-15=-114/530, 9-13=-433/116, 10-13=-148/1188, 7-16=-90/252

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 2-7-2, Interior(1) 2-7-2 to 16-3-3, Exterior(2R) 16-3-3 to 21-4-3, Interior(1) 21-4-3 to 24-3-3, Exterior(2R) 24-3-3 to 29-4-3, Interior(1) 29-4-3 to 37-0-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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) 2=305, 12=279.
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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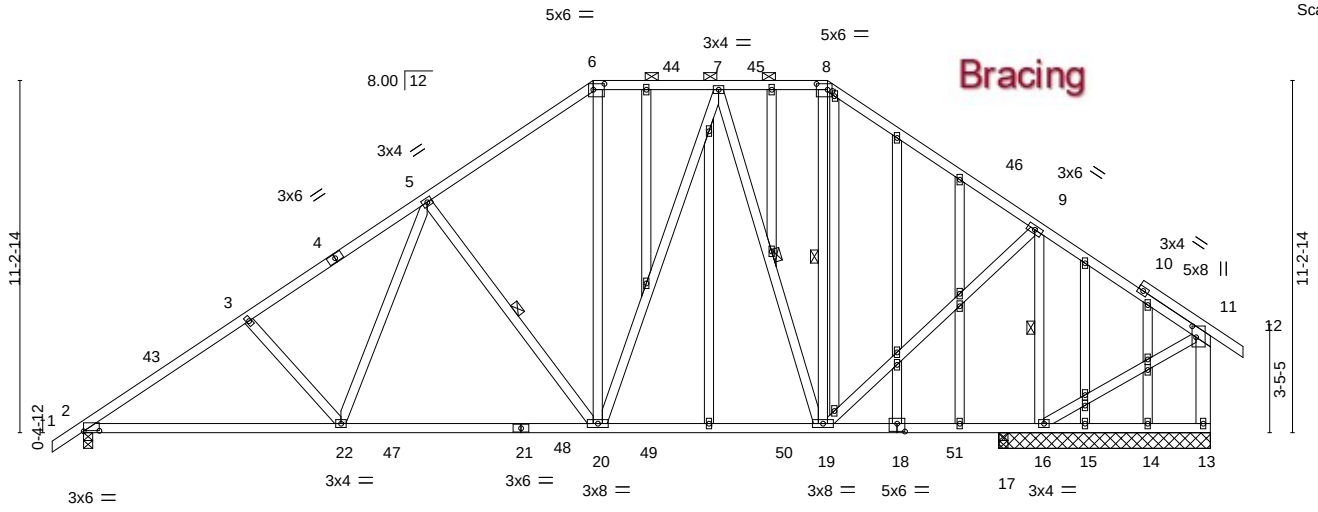
Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES. T23611274
2733930	T10G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:20 2021 Page 1
ID:?batxm1y7s36M6H7BYML76yubcf-NPIzuWc66MUUP1Q39wJxMqXXw6TRD1pG44H3Y6zQ8X1

-1-0-0	5-3-5	10-11-9	16-3-3	20-3-3	23-8-14	30-6-0	35-11-8	37-0-0
1-0-0	5-3-5	5-8-4	5-3-9	4-0-0	3-5-11	6-9-2	5-5-8	1-0-8

Scale = 1:73.5



8-2-9	16-3-3	23-8-14	29-6-0	30-6-0	35-11-8
8-2-9	8-0-10	7-5-11	5-9-2	1-0-0	5-5-8

Plate Offsets (X,Y)-- [2:0-6-0,0-0-4], [6:0-4-4,0-2-4], [8:0-4-4,0-2-4], [11:0-4-4,0-1-8], [18:0-3-0,0-3-0], [33:0-2-0,0-0-12]

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	0.46	Vert(LL)	-0.16	20-22	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.26	20-22	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.04	17	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 343 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 11-13: 2x6 SP No.2
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-1-11 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-20, 7-19, 8-19, 9-16

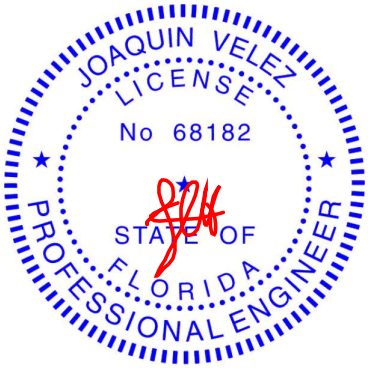
REACTIONS. All bearings 6-9-0 except (jt=length) 2=0-3-8, 17=0-3-8.
(lb) - Max Horz 2=291(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-258(LC 12), 16=-370(LC 13), 13=-220(LC 25)
Max Grav All reactions 250 lb or less at joint(s) 13, 14, 15 except 2=1278(LC 19), 16=1536(LC 2), 17=265(LC 18)

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

TOP CHORD	2-3=-1808/370, 3-5=-1668/374, 5-6=-1071/303, 6-7=-833/296, 7-8=-523/217, 8-9=-719/202, 9-11=-63/359
BOT CHORD	2-22=-399/1649, 20-22=-241/1259, 19-20=-155/713
WEBS	3-22=-284/189, 5-22=-103/586, 5-20=-632/269, 6-20=-72/365, 7-20=-130/530, 7-19=-619/192, 9-19=-146/1010, 9-16=-1470/319, 11-16=-275/117

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 2-7-2, Interior(1) 2-7-2 to 16-3-3, Exterior(2R) 16-3-3 to 21-4-3, Interior(1) 21-4-3 to 23-8-14, Exterior(2R) 23-8-14 to 28-9-14, Interior(1) 28-9-14 to 37-0-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 258 lb uplift at joint 2, 370 lb uplift at joint 16 and 220 lb uplift at joint 13.
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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April 19,2021

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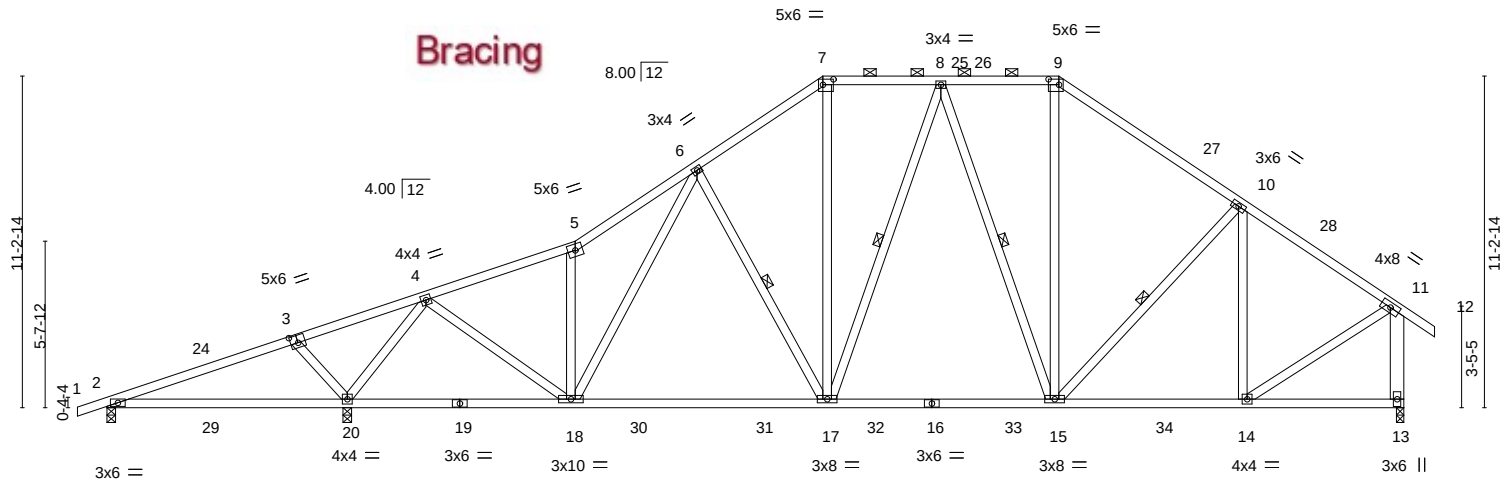
Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES. T23611275
2733930	T11	Piggyback Base	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:22 2021 Page 1
ID:?batxm1y7s36M6H7BYML76yubcf-KoPjJCdMezkCeLaRHLLPRFcssv6YhqaZYOmAc?zQ8X?

-1-0-0	6-5-0	10-9-12	15-10-7	20-0-0	24-3-3	28-3-3	32-3-3	38-6-0	43-11-8	45-0-0
1-0-0	6-5-0	4-4-12	5-0-11	4-1-9	4-3-3	4-0-0	4-0-0	6-2-13	5-5-8	1-0-8

Scale = 1:78.1



8-1-12	15-10-7	24-3-3	32-3-3	38-6-0	43-11-8
8-1-12	7-8-11	8-4-12	8-0-0	6-2-13	5-5-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	0.24	20-23	>406	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	0.21	20-23	>475	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 299 lb	FT = 20%

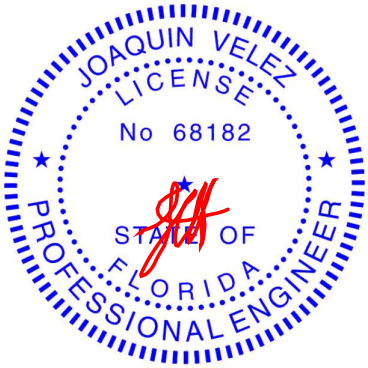
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
11-13: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-9 oc purlins, except end verticals, and 2-0-0 oc purlins (5-4-15 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 6-17, 8-15, 10-15, 8-17

REACTIONS. (size) 2=0-3-8, 20=0-3-8, 13=0-3-0
Max Horz 2=312(LC 11)
Max Uplift 2=-171(LC 8), 20=-439(LC 12), 13=-236(LC 13)
Max Grav 2=130(LC 23), 20=2147(LC 2), 13=1494(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-176/656, 3-4=-217/783, 4-5=-1516/400, 5-6=-1748/547, 6-7=-1426/510, 7-8=-1143/459, 8-9=-1037/449, 9-10=-1325/461, 10-11=-1239/369, 11-13=-1415/429
BOT CHORD 2-20=-627/106, 18-20=-171/447, 17-18=-289/1289, 15-17=-199/1121, 14-15=-219/984
WEBS 3-20=-344/239, 4-20=-1986/460, 4-18=-209/1191, 5-18=-659/277, 6-18=-103/302, 6-17=-346/217, 7-17=-168/593, 8-15=-338/160, 9-15=-104/487, 10-14=-403/158, 11-14=-228/1130

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 3-4-12, Interior(1) 3-4-12 to 24-3-3, Exterior(2R) 24-3-3 to 28-7-15, Interior(1) 28-7-15 to 32-3-3, Exterior(2R) 32-3-3 to 36-7-15, Interior(1) 36-7-15 to 45-0-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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 171 lb uplift at joint 2, 439 lb uplift at joint 20 and 236 lb uplift at joint 13.
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:
April 19,2021

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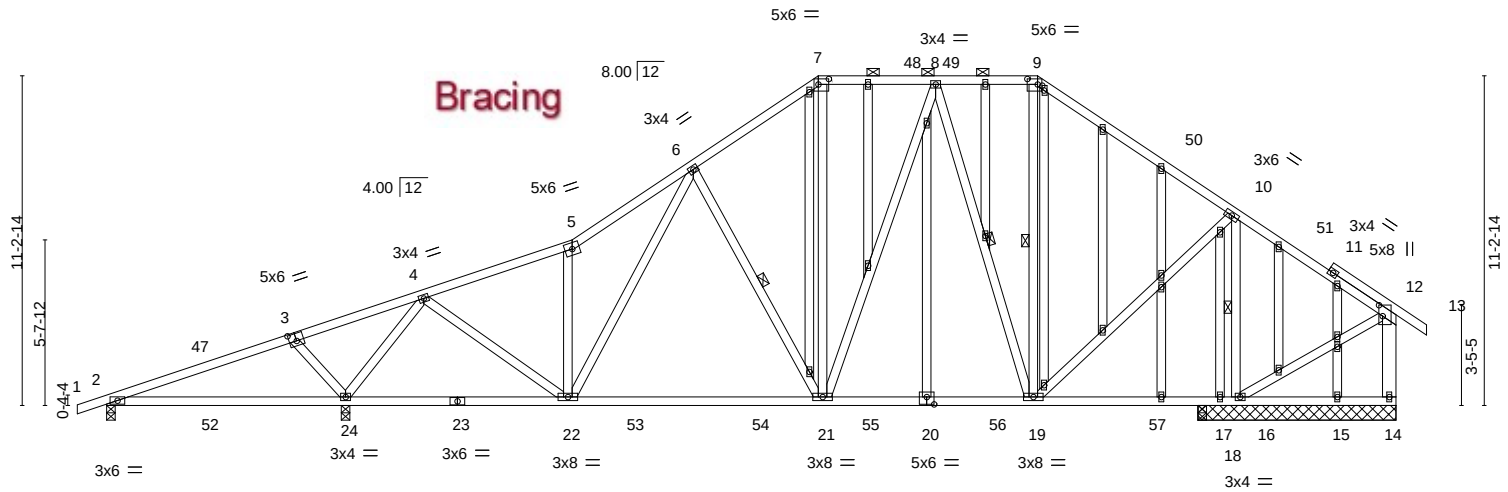
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES. T23611276
2733930	T11G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:24 2021 Page 1
ID:?batxm1y7s36M6H7BYML76yubcf-GBXTkufc9b_wuejqOmOtWghC1jo98nms?iFHgtzQ8Wz

-1-0-0	6-5-0	10-9-12	15-10-7	20-0-0	24-3-3	28-3-3	31-8-14	38-6-0	43-11-8	45-0-0
1-0-0	6-5-0	4-4-12	5-0-11	4-1-9	4-3-3	4-0-0	3-5-11	6-9-2	5-5-8	1-0-8

Scale = 1:78.6



8-1-12	15-10-7	24-3-3	31-8-14	37-6-0	38-6-0	43-11-8
8-1-12	7-8-11	8-4-11	7-5-11	5-9-2	1-0-0	5-5-8

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [7:0-4-4,0-2-4], [9:0-4-4,0-2-4], [12:0-4-8,0-1-8], [20:0-3-0,0-3-0], [35:0-2-0,0-0-12]

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	0.52	Vert(LL)	0.24	24-46	>405	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	0.21	24-46	>474	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.02	18	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 407 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 12-14: 2x6 SP No.2
OTHERS	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.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-21, 9-19, 10-16, 8-19

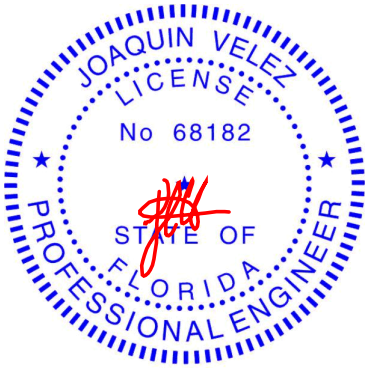
REACTIONS. All bearings 6-9-0 except (jt=length) 2=0-3-8, 24=0-3-8, 18=0-3-8.
(lb) - Max Horz 2=309(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-175(LC 8), 24=-396(LC 12), 16=-284(LC 13), 14=-139(LC 25), 17=-356(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 15 except 24=1813(LC 2), 16=1634(LC 2), 18=398(LC 18)

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

TOP CHORD	2-3=-154/486, 3-4=-194/605, 4-5=-1205/323, 5-6=-1392/458, 6-7=-995/404, 7-8=-783/371, 8-9=-518/323, 9-10=-713/304
BOT CHORD	2-24=-461/82, 22-24=-168/385, 21-22=-202/979, 19-21=-147/666
WEBS	3-24=-341/238, 4-24=-1580/368, 4-22=-133/902, 5-22=-560/252, 6-22=-113/380, 6-21=-383/221, 7-21=-108/358, 8-21=-94/408, 10-19=-153/894, 10-16=-1342/443, 8-19=-551/166

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 3-4-12, Interior(1) 3-4-12 to 24-3-3, Exterior(2R) 24-3-3 to 28-7-15, Interior(1) 28-7-15 to 31-8-14, Exterior(2R) 31-8-14 to 36-1-10, Interior(1) 36-1-10 to 45-0-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 175 lb uplift at joint 2, 396 lb uplift at joint 24, 284 lb uplift at joint 16, 139 lb uplift at joint 14 and 356 lb uplift at joint 17.
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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6904 Parke East Blvd. Tampa FL 33610
Date: April 19,2021

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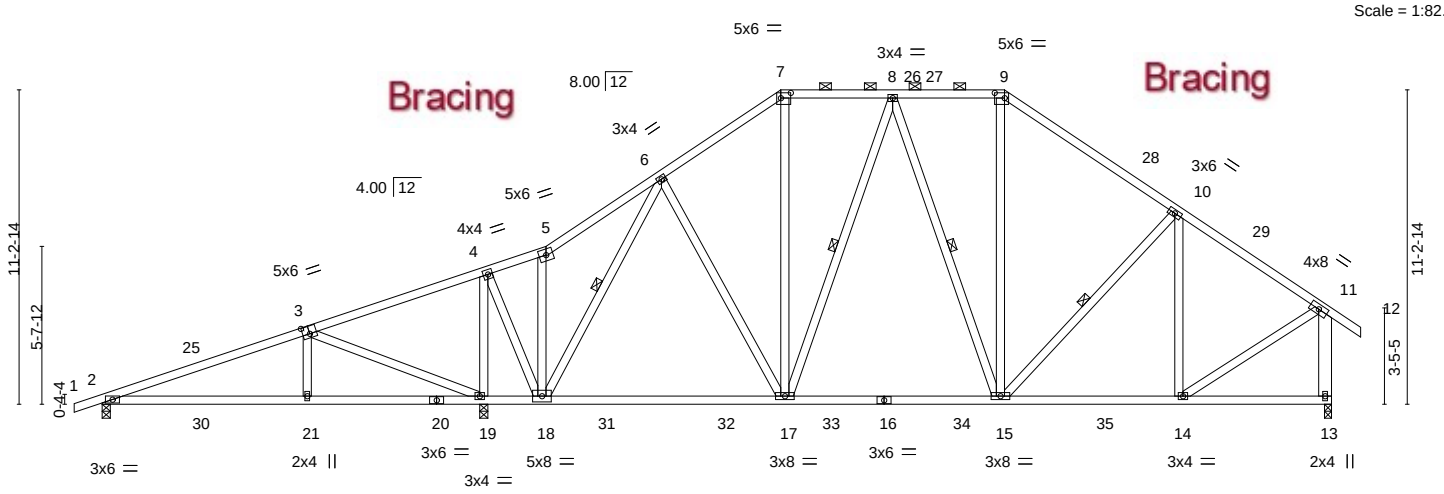
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES. T23611277
2733930	T12	Piggyback Base	2	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:25 2021 Page 1
ID:?batxm1y7s36M6H7BYML76yubcf-kN5sxEgFwu6nVoI0yUv63uENM79ytC_?EM_qCJzQ8Wy

-1-0-0	7-4-0	13-7-12	15-10-7	20-0-0	24-3-3	28-3-3	32-3-3	38-6-0	43-11-8	45-0-0
1-0-0	7-4-0	6-3-12	2-2-11	4-1-9	4-3-3	4-0-0	4-0-0	6-2-13	5-5-8	1-0-8

Scale = 1:82.4



7-4-0	13-7-12	15-10-7	24-3-3	32-3-3	38-6-0	43-11-8
7-4-0	6-3-12	2-2-11	8-4-12	8-0-0	6-2-13	5-5-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	0.17	21-24	>982	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.30	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 306 lb	FT = 20%

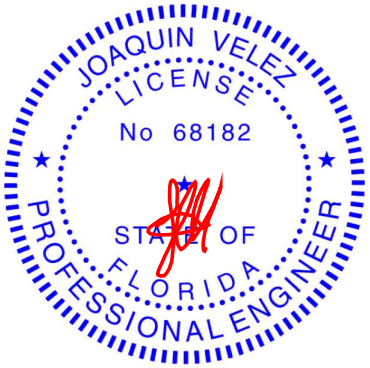
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
11-13: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-18, 8-15, 10-15, 8-17

REACTIONS. (size) 2=0-3-8, 19=0-3-8, 13=0-3-0
Max Horz 2=312(LC 11)
Max Uplift 2=-243(LC 8), 19=-411(LC 12), 13=-214(LC 13)
Max Grav 2=439(LC 25), 19=2037(LC 2), 13=1261(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-508/524, 3-4=-353/466, 4-5=-306/72, 5-6=-353/123, 6-7=-929/314, 7-8=-727/296, 8-9=-787/352, 9-10=-1026/345, 10-11=-1028/283, 11-13=-1183/334
BOT CHORD 2-21=-507/458, 19-21=-501/453, 18-19=-421/413, 17-18=-116/695, 15-17=-118/794, 14-15=-146/802
WEBS 3-21=-378/306, 3-19=-915/895, 6-18=-929/429, 6-17=-93/304, 7-17=-71/346, 9-15=-43/329, 10-14=-303/113, 11-14=-142/917, 4-19=-1639/466, 4-18=-332/1369, 8-17=-267/162

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 3-4-12, Interior(1) 3-4-12 to 24-3-3, Exterior(2R) 24-3-3 to 28-7-15, Interior(1) 28-7-15 to 32-3-3, Exterior(2R) 32-3-3 to 36-7-15, Interior(1) 36-7-15 to 45-0-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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 243 lb uplift at joint 2, 411 lb uplift at joint 19 and 214 lb uplift at joint 13.
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:
April 19,2021

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Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES. T23611278
2733930	T13	Piggyback Base	3	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:27 2021 Page 1
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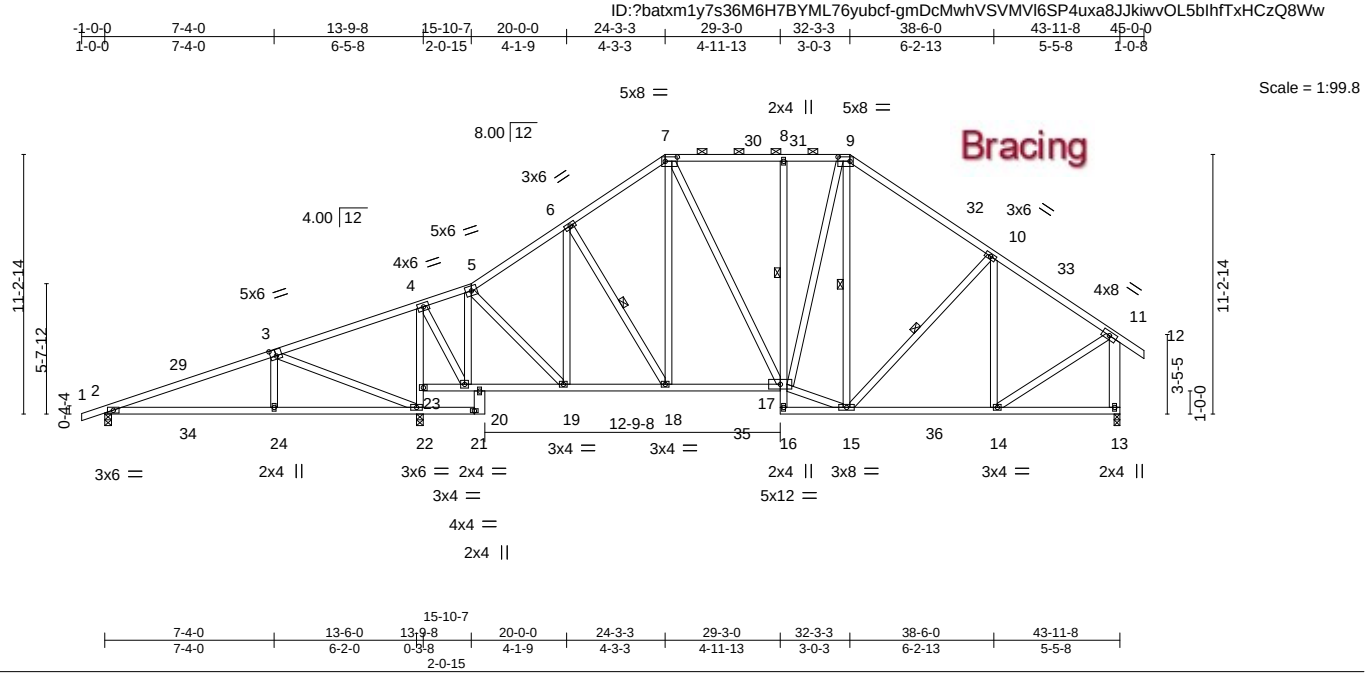


Plate Offsets (X,Y)-- [3:0-3-0,0-3-4], [7:0-6-4,0-2-4], [9:0-6-4,0-2-4]

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	0.49	Vert(LL)	0.17	24-28	>983	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.19	24-28	>870	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 329 lb	FT = 20%

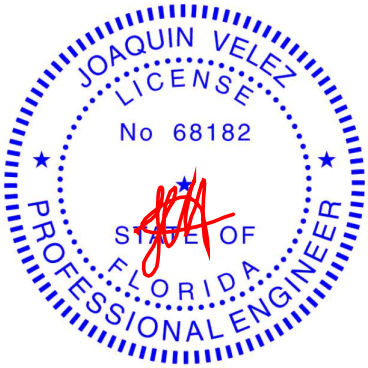
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-22,8-16: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
11-13,21-25: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-1 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-11-14 oc bracing: 2-24
6-2-10 oc bracing: 22-24
6-0-0 oc bracing: 15-16.
1 Row at midpt 8-17
3-11-0 oc bracing: 22-23
WEBS 1 Row at midpt 6-18, 9-15, 10-15

REACTIONS. (size) 2=0-3-8, 13=0-3-0, 22=0-3-8
Max Horz 2=312(LC 11)
Max Uplift 2=-307(LC 8), 13=-224(LC 13), 22=-368(LC 12)
Max Grav 2=509(LC 25), 13=1268(LC 20), 22=1951(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-723/899, 3-4=-212/307, 4-5=-496/220, 5-6=-971/372, 6-7=-1031/432, 7-8=-901/423, 8-9=-897/422, 9-10=-1027/415, 10-11=-1038/334, 11-13=-1194/378
BOT CHORD 2-24=-799/661, 22-24=-792/656, 22-23=-1442/398, 4-23=-1373/368, 19-20=-74/434, 18-19=-161/828, 17-18=-134/823, 14-15=-180/810
WEBS 3-24=-389/302, 3-22=-908/898, 4-20=-247/1137, 5-20=-914/272, 5-19=-127/582, 6-19=-296/114, 7-17=-112/259, 15-17=-106/852, 9-17=-165/457, 10-14=-313/137, 11-14=-182/929

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 3-4-12, Interior(1) 3-4-12 to 24-3-3, Exterior(2R) 24-3-3 to 28-7-15, Interior(1) 28-7-15 to 32-3-3, Exterior(2R) 32-3-3 to 36-7-15, Interior(1) 36-7-15 to 45-0-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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 307 lb uplift at joint 2, 224 lb uplift at joint 13 and 368 lb uplift at joint 22.
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 - DRAWDY RES. T23611279
2733930	T14	Piggyback Base	4	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:28 2021 Page 1

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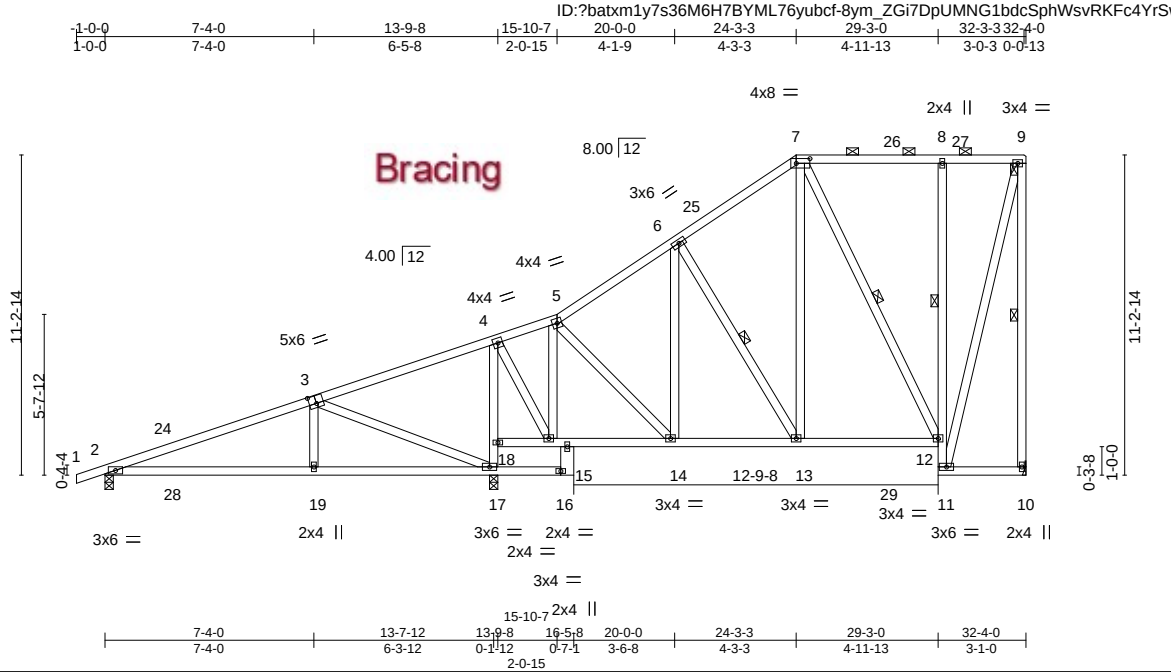


Plate Offsets (X,Y)-- [3:0-3-0,0-3-4], [7:0-5-12,0-2-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	0.17	19-23	>978	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.19	19-23	>869	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 247 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-17,8-11: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
16-20: 2x6 SP No.2

BRACING-

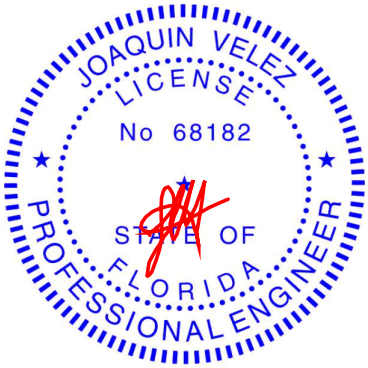
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 5-9-10 oc bracing. Except:
1 Row at midpt 8-12
4-11-0 oc bracing: 17-18
WEBS 1 Row at midpt 6-13, 7-12, 9-10

REACTIONS. (size) 2=0-3-8, 10=Mechanical, 17=0-3-8
Max Horz 2=385(LC 12)
Max Uplift 2=-245(LC 8), 10=-159(LC 9), 17=-359(LC 12)
Max Grav 2=512(LC 2), 10=714(LC 2), 17=1488(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-730/561, 3-4=-286/228, 5-6=-498/13, 6-7=-447/92
BOT CHORD 2-19=-847/668, 17-19=-840/663, 17-18=-978/293, 4-18=-919/291, 13-14=-158/415, 12-13=-118/330, 11-12=-575/216, 8-12=-260/131
WEBS 3-17=-908/895, 5-14=-118/314, 7-13=-48/376, 7-12=-371/132, 9-11=-220/675, 5-15=-527/181, 3-19=-386/302, 4-15=-156/716, 9-10=-695/238

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 2-2-13, Interior(1) 2-2-13 to 24-3-3, Exterior(2R) 24-3-3 to 27-6-0, Interior(1) 27-6-0 to 32-2-4 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 245 lb uplift at joint 2, 159 lb uplift at joint 10 and 359 lb uplift at joint 17.
9) 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:
April 19,2021

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Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	TG01	Flat Girder	1	2	T23611280

Job Reference (optional)

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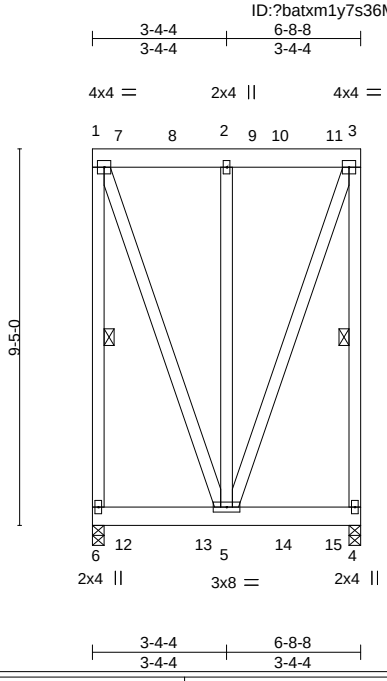


Scale = 1:57.6

Bracing

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	0.31	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.03	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MP							Weight: 192 lb	FT = 20%

LUMBER-

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

REACTIONS. (size) 6=0-3-8, 4=0-3-8
Max Uplift 6=-616(LC 4), 4=-678(LC 4)
Max Grav 6=2339(LC 1), 4=2566(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1764/479, 1-2=-423/109, 2-3=-423/109, 3-4=-1846/501
WEBS 1-5=-324/1256, 2-5=-1027/306, 3-5=-324/1256

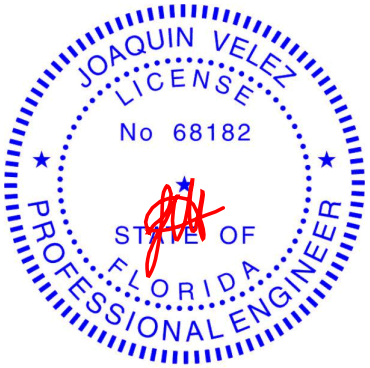
BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 1-6, 3-4

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, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
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) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 616 lb uplift at joint 6 and 678 lb uplift at joint 4.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 416 lb down and 124 lb up at 0-1-12, 370 lb down and 109 lb up at 2-0-12, 370 lb down and 109 lb up at 4-0-12, and 370 lb down and 109 lb up at 4-7-12, and 416 lb down and 125 lb up at 6-6-12 on top chord, and 698 lb down and 175 lb up at 0-8-12, 694 lb down and 179 lb up at 2-8-12, and 694 lb down and 179 lb up at 4-8-12, and 698 lb down and 175 lb up at 5-11-12 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: 1-3=-54, 4-6=-20



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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

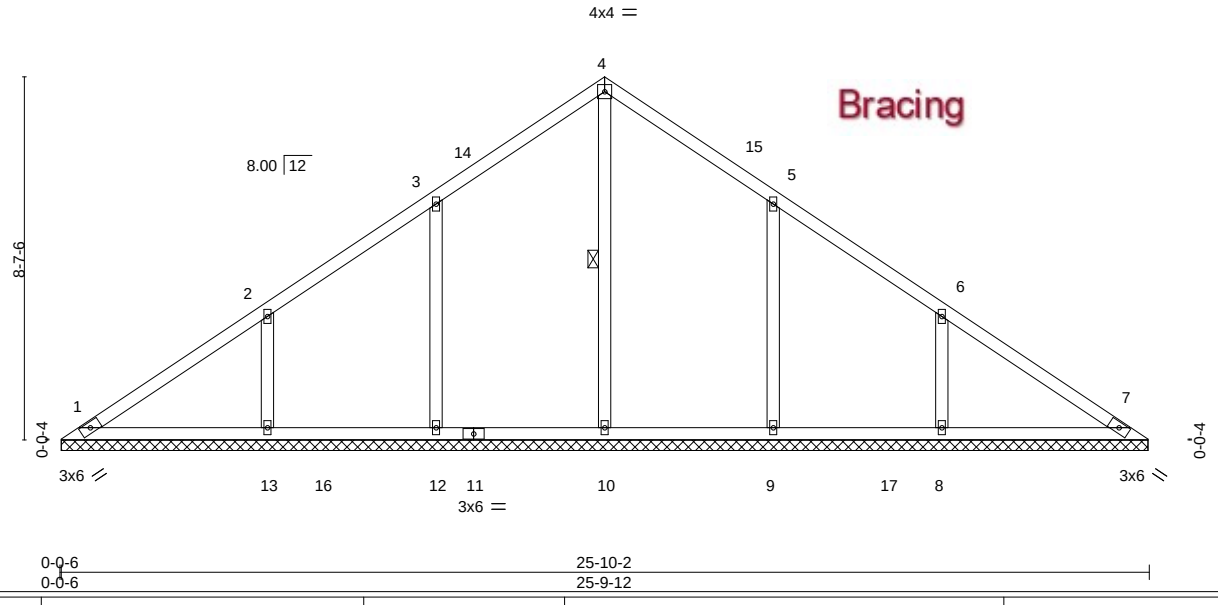
Vert: 1=-416 3=-416 8=-370 9=-370 10=-370 12=-624(B) 13=-620(B) 14=-620(B) 15=-624(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	V01	Valley	1	1	T23611281
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:30 2021 Page 1
ID:?batxm1y7s36M6H7BYML76yubcf-5Kuk_xjNlQk4cZB_l1VHmxxIW805YcYkNdibtXzQ8Wt

12-11-1 25-10-2
12-11-1 12-11-1

Scale = 1:54.7



0-0-6 25-10-2
0-0-6 25-9-12

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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 119 lb	FT = 20%

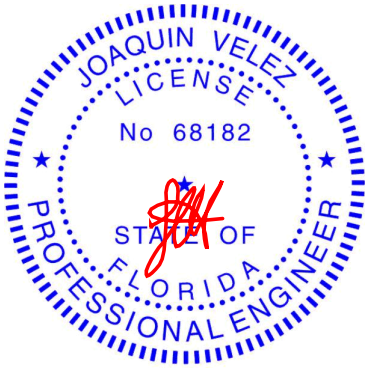
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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.
WEBS 1 Row at midpt 4-10

REACTIONS. All bearings 25-9-6.
(lb) - Max Horz 1=183(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 12=-144(LC 12), 13=-169(LC 12), 9=-144(LC 13), 8=-169(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=377(LC 22), 12=424(LC 19), 13=457(LC 19), 9=424(LC 20), 8=457(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-13=-269/189, 6-8=-269/189

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 12-11-1, Exterior(2R) 12-11-1 to 15-11-1, Interior(1) 15-11-1 to 25-4-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 12=144, 13=169, 9=144, 8=169.



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Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	V02	Valley	1	1	T23611282

Job Reference (optional)

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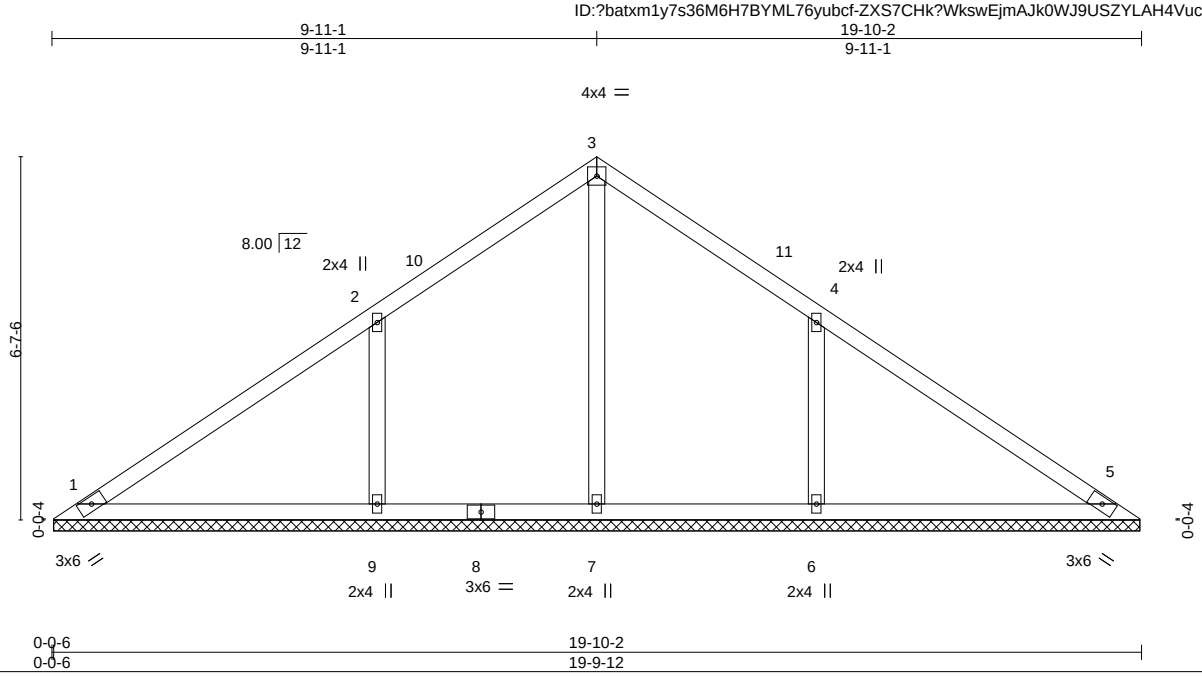


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 82 lb	FT = 20%

LUMBER-

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

BRACING-

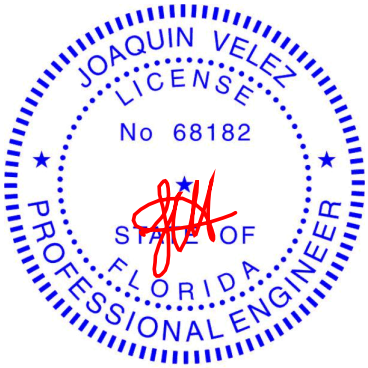
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 19-9-6.
(lb) - Max Horz 1=-139(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=-210(LC 12), 6=-210(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=299(LC 22), 9=570(LC 19), 6=570(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-333/232, 4-6=-332/232

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 9-11-1, Exterior(2R) 9-11-1 to 12-11-1, Interior(1) 12-11-1 to 19-4-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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, 5 except (jt=lb) 9=210, 6=210.



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Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	V03	Valley	1	1	T23611283
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:32 2021 Page 1
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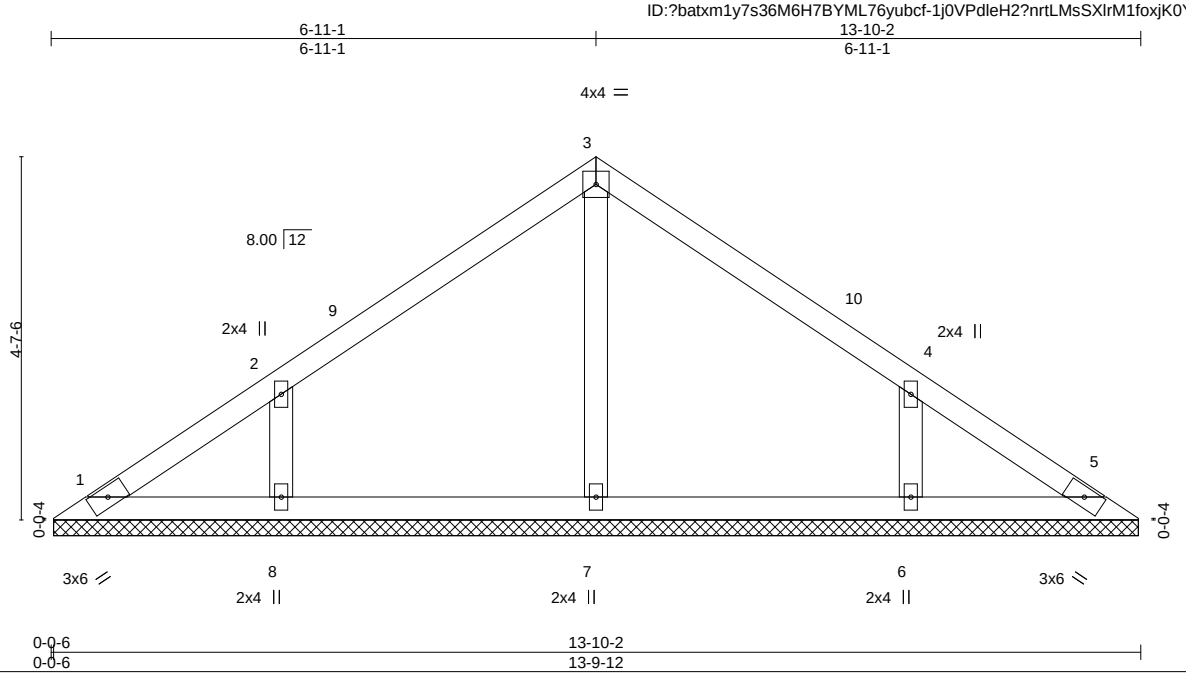


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 54 lb	FT = 20%

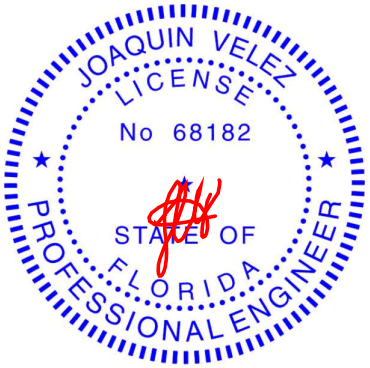
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 13-9-6.
(lb) - Max Horz 1=95(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-142(LC 12), 6=-142(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=298(LC 19), 6=298(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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 6-11-1, Exterior(2R) 6-11-1 to 9-11-1, Interior(1) 9-11-1 to 13-4-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=142, 6=142.



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Job	Truss	Truss Type	Qty	Ply	IC CONST - DRAWDY RES.
2733930	V04	Valley	1	1	T23611284
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 16 12:26:33 2021 Page 1
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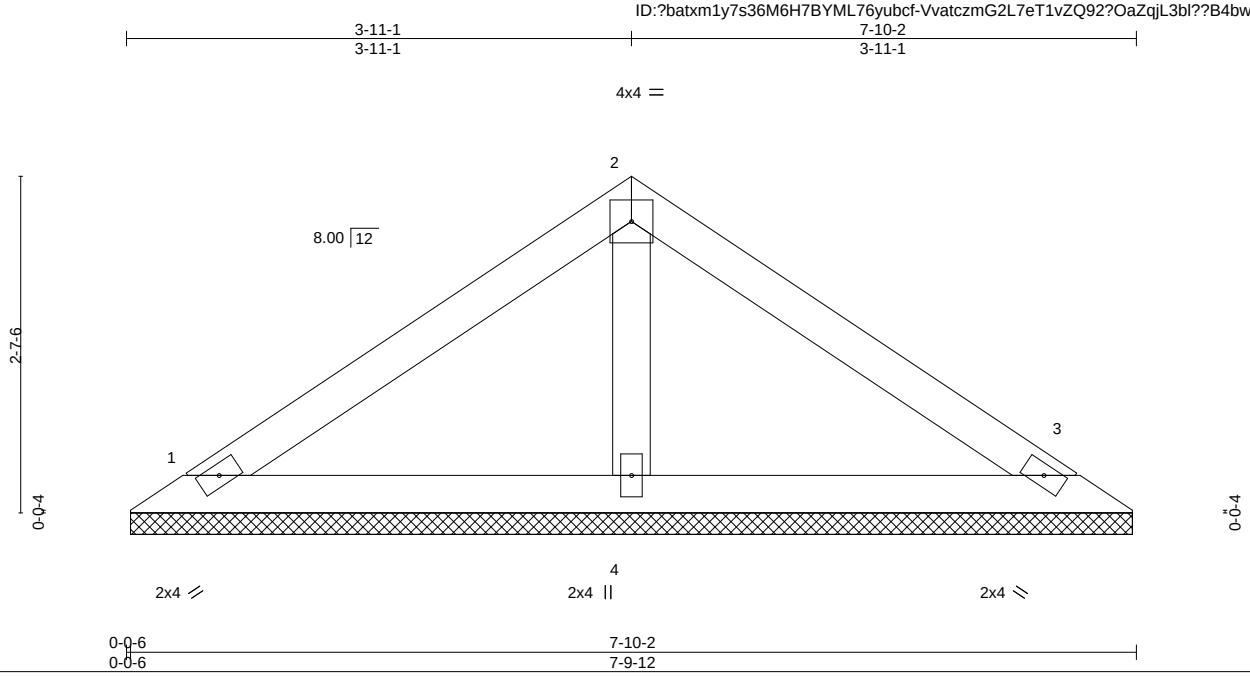


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 27 lb	FT = 20%

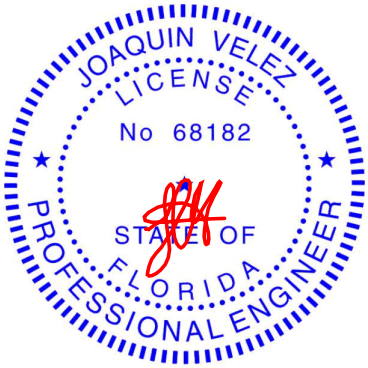
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. (size) 1=7-9-6, 3=7-9-6, 4=7-9-6
Max Horz 1=-51(LC 8)
Max Uplift 1=-33(LC 12), 3=-40(LC 13), 4=-35(LC 12)
Max Grav 1=125(LC 1), 3=125(LC 1), 4=260(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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 3-11-1, Exterior(2R) 3-11-1 to 6-11-1, Interior(1) 6-11-1 to 7-4-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.



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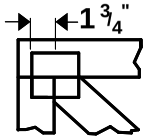
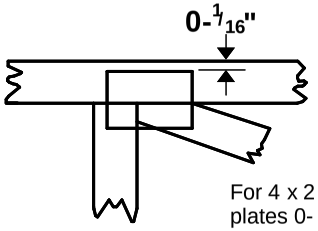
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

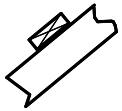
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

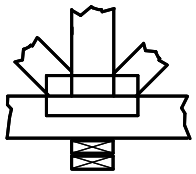
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

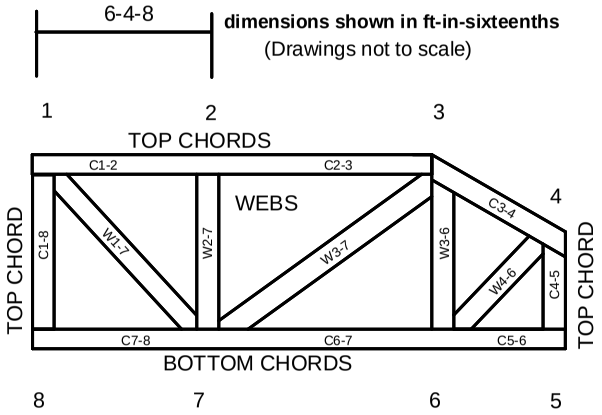


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

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