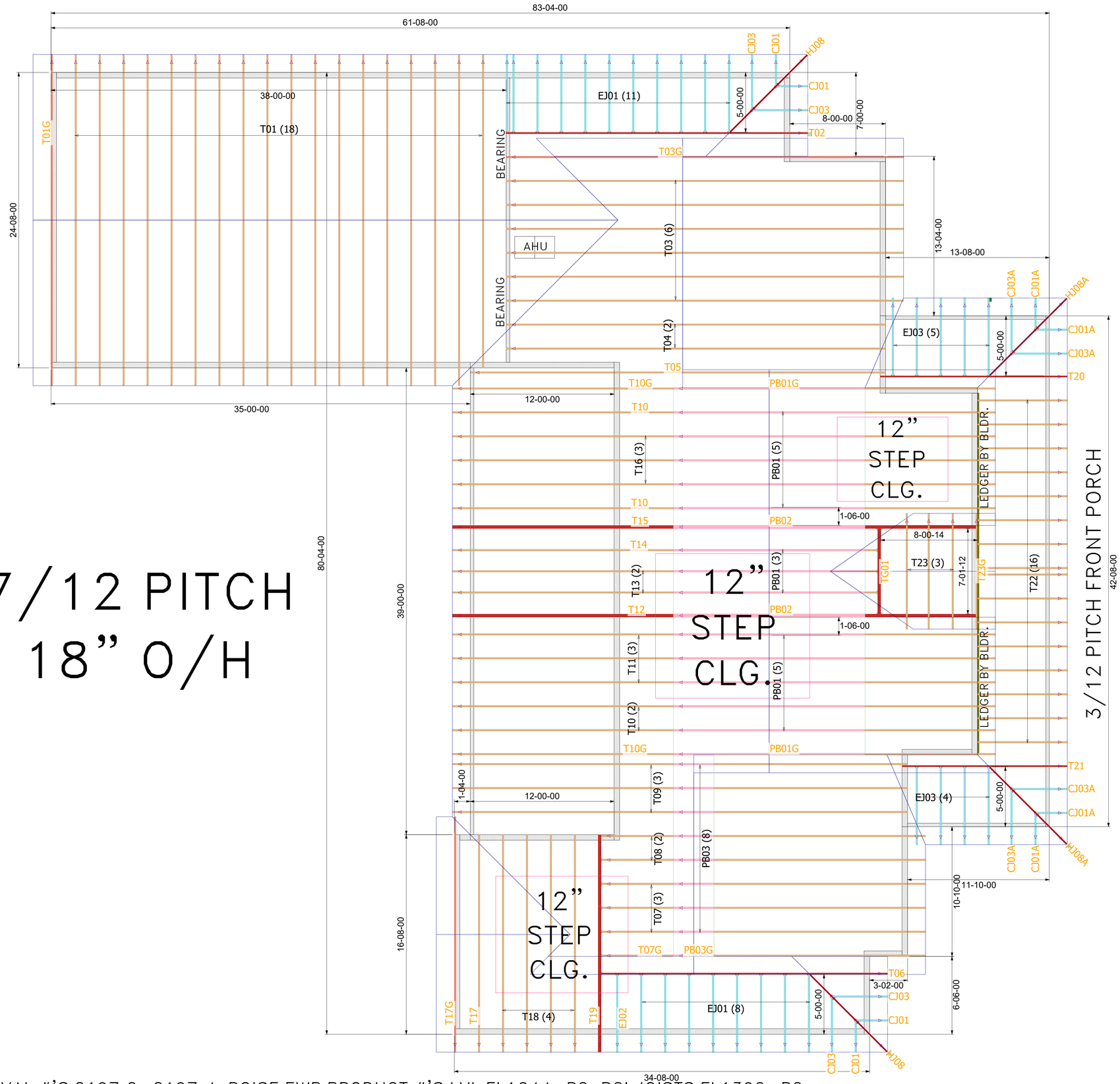
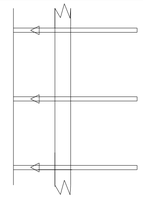


7/12 PITCH
18" O/H

MITEK PLATE APPROVAL #'S 2197.2–2197.4, BOISE EWP PRODUCT #'S LVL FL1644–R2, BCI JOISTS FL1392–R2

THE ARROW HEAD AT THE END OF THE TRUSS ON THE TRUSS PLACEMENT PLAN (LAYOUT) CORRESPONDS WITH THE LEFT SIDE OF THE INDIVIDUAL TRUSS DRAWING. USE THIS AS AN ORIENTATION GUIDE WHEN SETTING THE TRUSSES ON THE STRUCTURE.



General Notes:

- Per ANSI/TPI 1-2002 all " Truss to Wall" connections are the responsibility of the Building Designer, not the Truss Manufacturer.
- Use Manufacturer's specifications for all hanger connections unless noted otherwise.
- Trusses are to be 24" o.c. U.N.O.
- All hangers are to be Simpson or equivalent U.N.O.- Use 10d x 1 1/2" Nails in hanger connections to single ply girder trusses.
- Trusses are not designed to support brick U.N.O.
- Dimensions are Feet-Inches- Sixteenths

Notes:

No back charges will be accepted by Builders FirstSource unless approved in writing first. 850-835-4541

ACQ lumber is corrisive to truss plates. Any ACQ lumber that comes in contact with truss plates (i.e. scabbed on tails) must have an approved barrier applied first.

Refer to BCSI-B1 Summary Sheet-Guide for handling, Installing and Bracing of Metal Plate Connected Wood Truss prior to and during truss installation.

It is the responsibility of the Contractor to ensure of the proper orientation of the truss placement plans as to the construction documents and field conditions of the structure orientation. If a reversed or flipped layout is required, it will be supplied at no extra cost by Builders FirstSource.

It is the responsibility of the Contractor to make sure the placement of trusses are adjusted for plumbing drops, can lights, ect..., so the trusses do not interfere with these type of items.

All common framed roof or floor systems must be designed as to NOT impose any loads on the floor trusses below. The floor trusses have not been designed to carry any additional loads from above.

This truss placement plan was not created by an engineer, but rather by the Builders FirstSource staff and is solely to be used as an installation guide and does not require a seal. Complete truss engineering and analysis can be found on the truss design drawings which may be sealed by the truss design engineer.

Gable end trusses require continuous bottom chord bearing. Refer to local codes for wall framing requirements.

Although all attempts have been made to do so, trusses may not be designed symmetrically. Please refer to the individual truss drawings and truss placement plans for proper orientation and placement.

Builders FIRSTSOURCE

Lake City
PHONE: 386-755-6894
FAX: 386-755-7973

Jacksonville
PHONE: 904-772-6100
FAX: 904-772-1973

Tallahassee
PHONE: 850-576-5177

Builder:
AMIRA BLDRS.

Legal Address:
Hicks Res.

Model:
Custom

Date:	Drawn By:	Original Ref #:
7-26-21	KLH	2868120
Floor 1 Job#	Floor 2 Job#:	Roof Job #:
N/A	N/A	2868120

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

RE: 2868120 - AMIRA BLDRS. - HICKS RES.

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

Site Information:

Customer Info: Amira Bldrs. Project Name: Hicks Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD SW Marynik Drive, N/A
City: Alachua 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: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 44 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	T24891389	CJ01	8/3/21	15	T24891403	T01	8/3/21
2	T24891390	CJ01A	8/3/21	16	T24891404	T01G	8/3/21
3	T24891391	CJ03	8/3/21	17	T24891405	T02	8/3/21
4	T24891392	CJ03A	8/3/21	18	T24891406	T03	8/3/21
5	T24891393	EJ01	8/3/21	19	T24891407	T03G	8/3/21
6	T24891394	EJ02	8/3/21	20	T24891408	T04	8/3/21
7	T24891395	EJ03	8/3/21	21	T24891409	T05	8/3/21
8	T24891396	HJ08	8/3/21	22	T24891410	T06	8/3/21
9	T24891397	HJ08A	8/3/21	23	T24891411	T07	8/3/21
10	T24891398	PB01	8/3/21	24	T24891412	T07G	8/3/21
11	T24891399	PB01G	8/3/21	25	T24891413	T08	8/3/21
12	T24891400	PB02	8/3/21	26	T24891414	T09	8/3/21
13	T24891401	PB03	8/3/21	27	T24891415	T10	8/3/21
14	T24891402	PB03G	8/3/21	28	T24891416	T10G	8/3/21

This item has been electronically signed and sealed by ORegan, Philip, PE using a Digital Signature.
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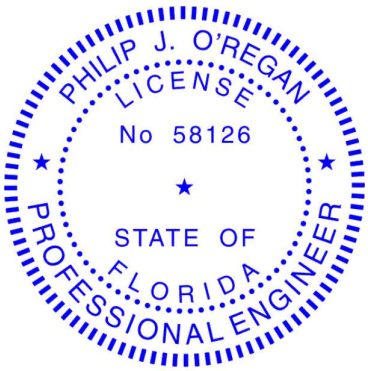
The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Lake City, FL.

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2023.

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.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 3,2021

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

RE: 2868120 - AMIRA BLDRS. - HICKS RES.

Site Information:

Customer Info: Amira Bldrs. Project Name: Hicks Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD SW Marynik Drive, N/A
City: Alachua Cty State: FL

No.	Seal#	Truss Name	Date
29	T24891417	T11	8/3/21
30	T24891418	T12	8/3/21
31	T24891419	T13	8/3/21
32	T24891420	T14	8/3/21
33	T24891421	T15	8/3/21
34	T24891422	T16	8/3/21
35	T24891423	T17	8/3/21
36	T24891424	T17G	8/3/21
37	T24891425	T18	8/3/21
38	T24891426	T19	8/3/21
39	T24891427	T20	8/3/21
40	T24891428	T21	8/3/21
41	T24891429	T22	8/3/21
42	T24891430	T23	8/3/21
43	T24891431	T23G	8/3/21
44	T24891432	TG01	8/3/21

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	CJ01	Jack-Open	4	1	T24891389
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:32:57 2021 Page 1
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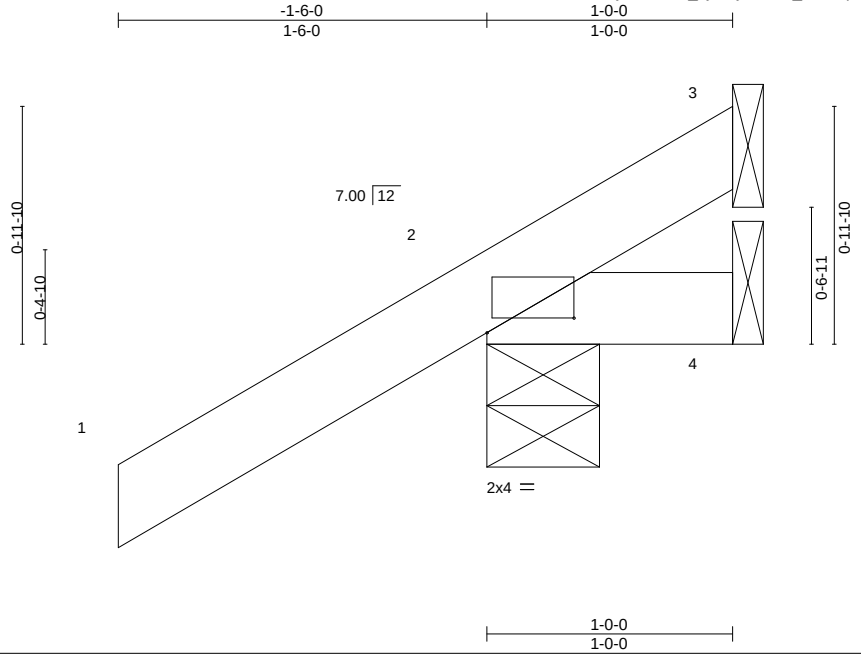

Plate Offsets (X,Y)-- [2:0-4-4,0-0-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=47(LC 12)
Max Uplift 3=-6(LC 1), 2=-71(LC 12), 4=-19(LC 1)
Max Grav 3=7(LC 16), 2=179(LC 1), 4=20(LC 16)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; 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
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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

This item has been electronically signed and sealed by ORegan, Philip, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	CJ01A	JACK-OPEN	4	1	T24891390
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:32:57 2021 Page 1
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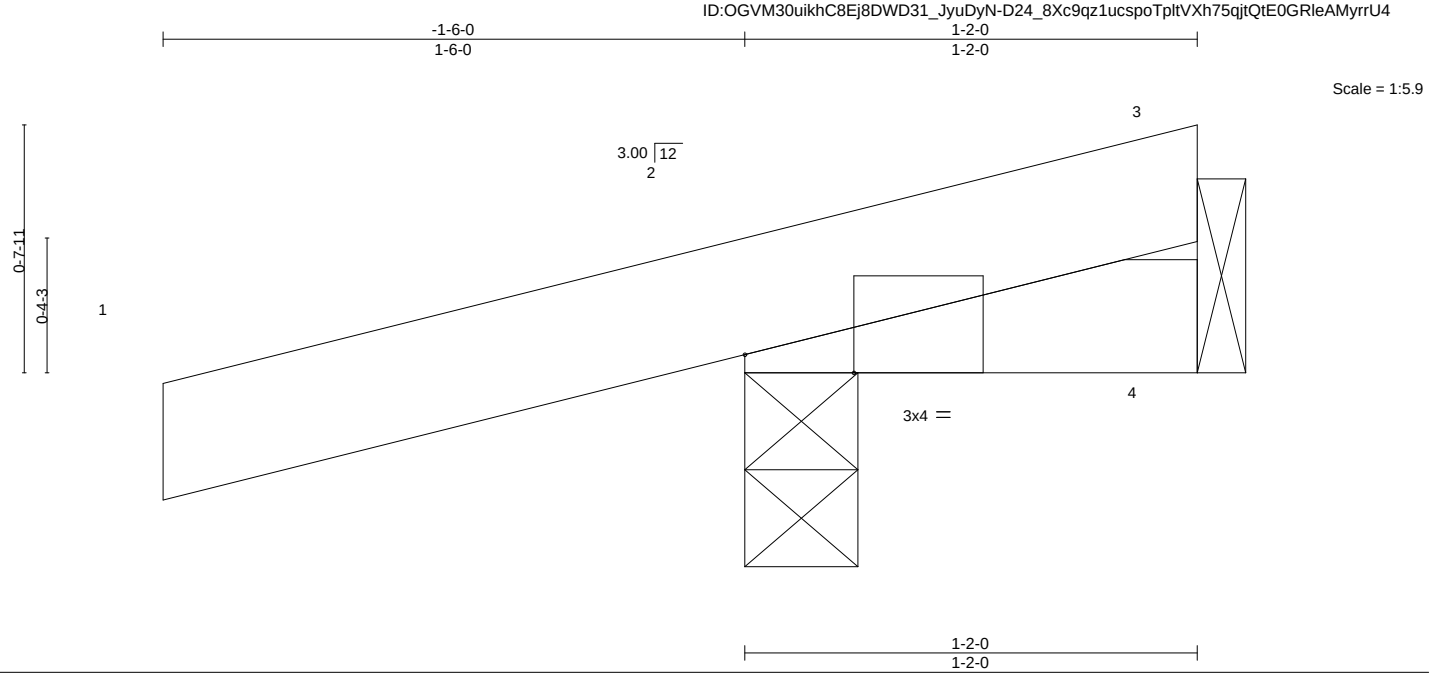

Plate Offsets (X,Y)-- [2:0-3-6,Edge]

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	0.12	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 4=Mechanical
Max Horz 2=28(LC 8)
Max Uplift 2=-118(LC 8), 4=-16(LC 1)
Max Grav 2=176(LC 1), 4=20(LC 16)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=118.

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6904 Parke East Blvd. Tampa FL 33610
Date:

August 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	CJ03	Jack-Open	4	1	T24891391
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:32:58 2021 Page 1
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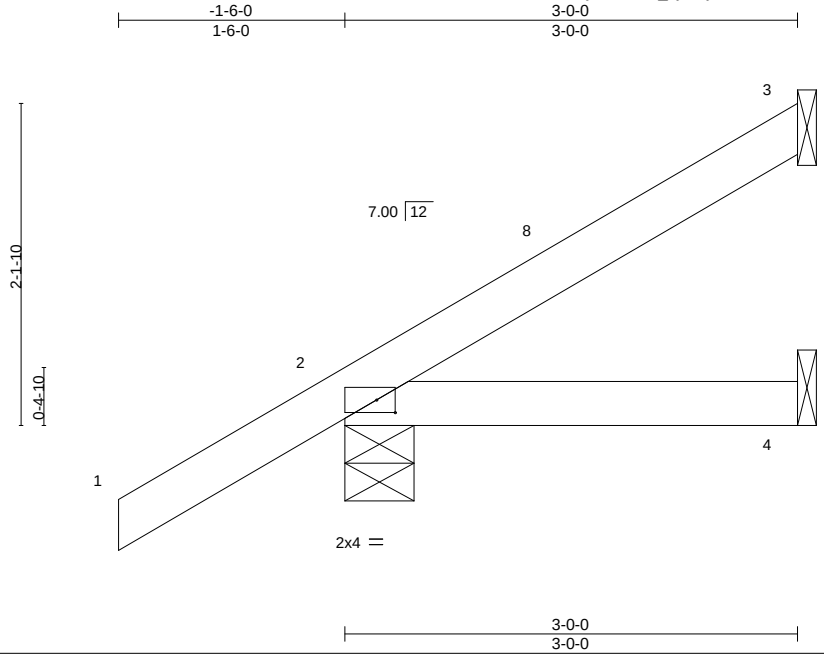

Plate Offsets (X,Y)-- [2:0-1-8,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=87(LC 12)
Max Uplift 3=-41(LC 12), 2=-56(LC 12)
Max Grav 3=64(LC 19), 2=210(LC 1), 4=50(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-11-4 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.

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

August 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	CJ03A	Jack-Open	4	1	T24891392
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:32:59 2021 Page 1
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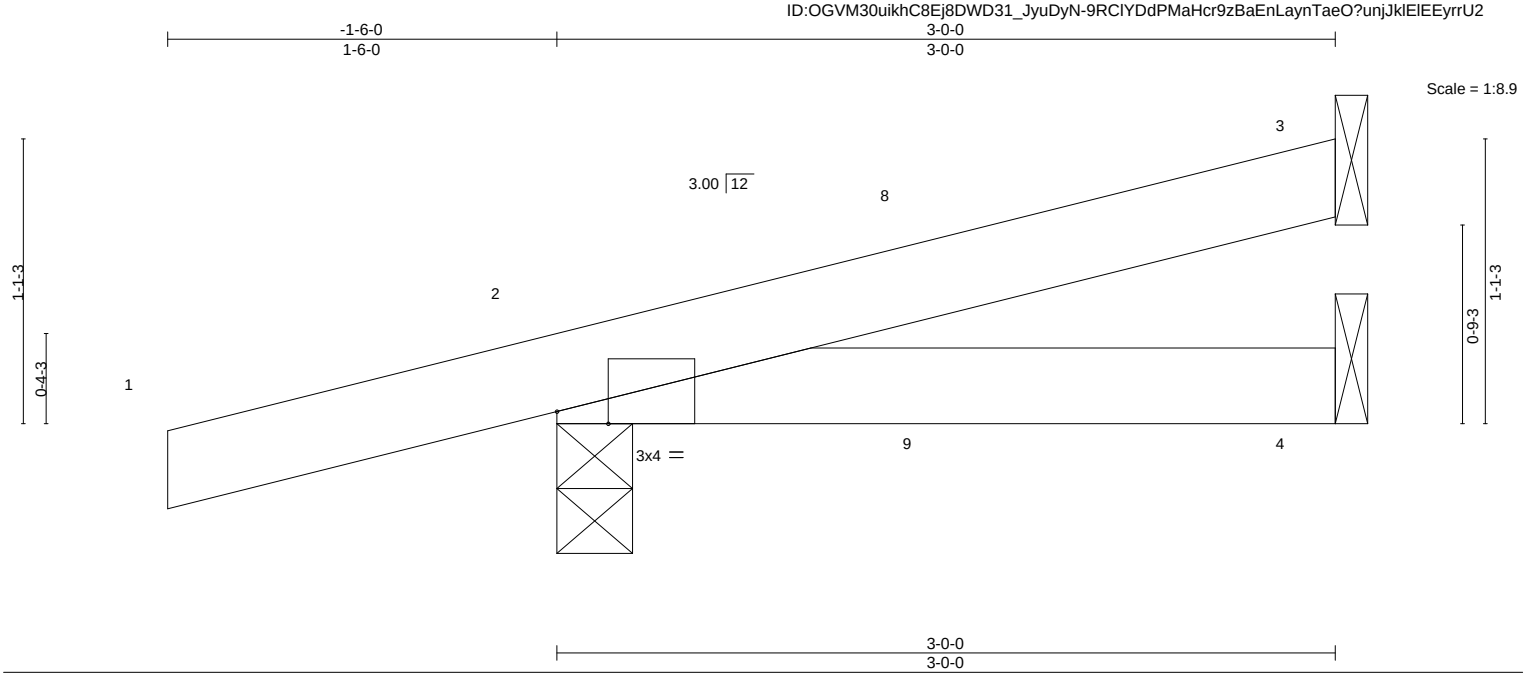

Plate Offsets (X,Y)-- [2:0-2-6,Edge]

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	0.12	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 11 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=44(LC 8)
Max Uplift 3=-29(LC 8), 2=-126(LC 8), 4=-16(LC 9)
Max Grav 3=57(LC 1), 2=210(LC 1), 4=47(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-11-4 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=126.

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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	EJ01	Jack-Open	19	1	T24891393
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:32:59 2021 Page 1
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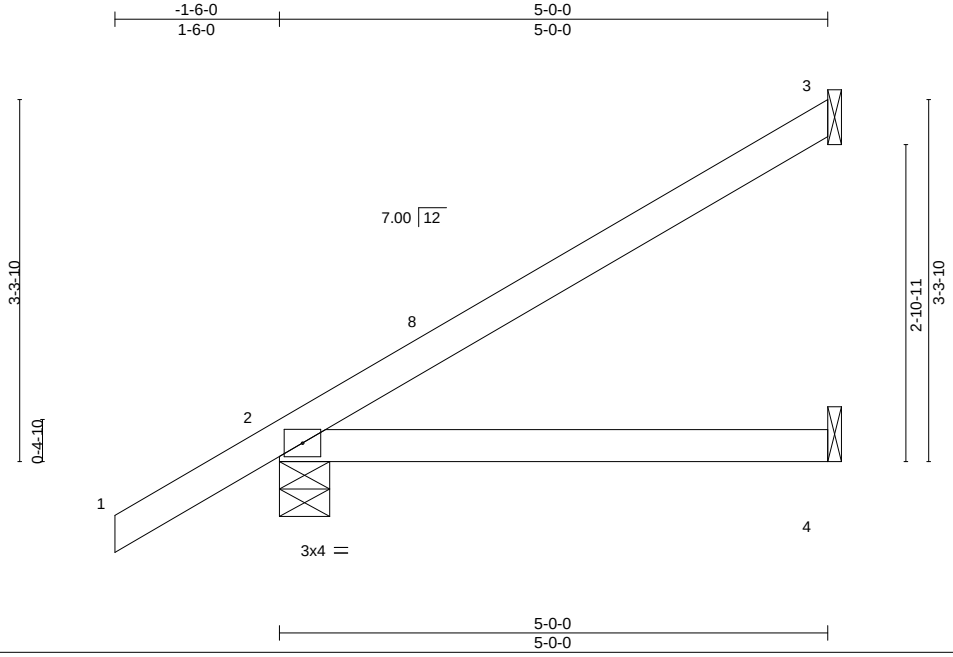

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 19 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=128(LC 12)
Max Uplift 3=-76(LC 12), 2=-60(LC 12)
Max Grav 3=119(LC 19), 2=276(LC 1), 4=89(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-11-4 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.

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Date:

August 3,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	EJ02	Jack-Open	1	1	T24891394
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:00 2021 Page 1
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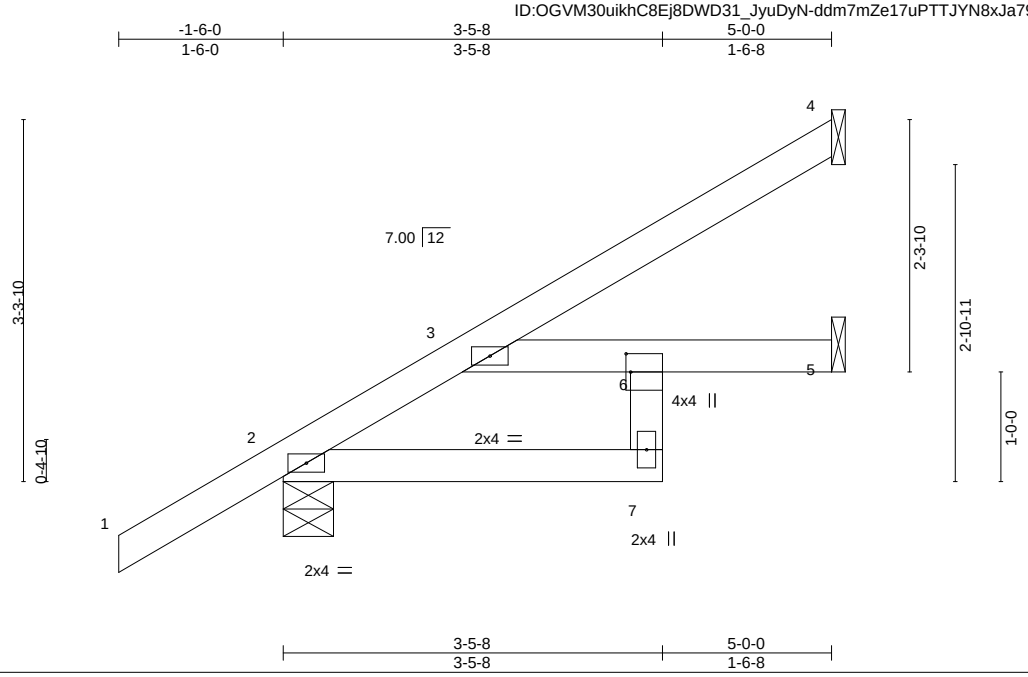

Plate Offsets (X,Y)-- [6:0-2-0,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.03	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 23 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-7: 2x4 SP No.3

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

REACTIONS. (size) 4=Mechanical, 2=0-5-8, 5=Mechanical
Max Horz 2=128(LC 12)
Max Uplift 4=-51(LC 12), 2=-55(LC 12), 5=-20(LC 12)
Max Grav 4=87(LC 19), 2=293(LC 1), 5=126(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-7-10, Interior(1) 1-7-10 to 4-11-4 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	EJ03	Jack-Open	9	1	T24891395
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:00 2021 Page 1
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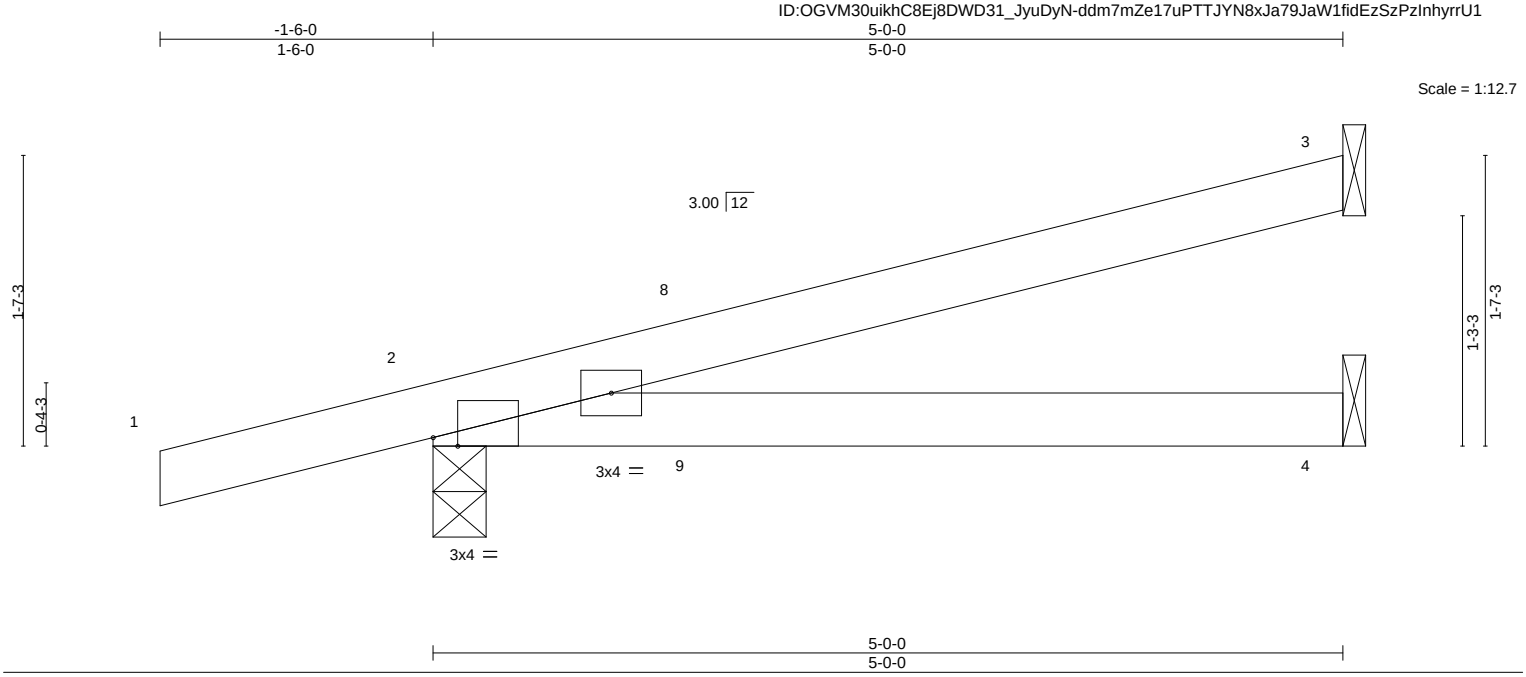

Plate Offsets (X,Y)-- [2:0-1-10,Edge]

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	0.37	Vert(LL)	0.09	4-7	>655	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	0.08	4-7	>744	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 18 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=61(LC 8)
Max Uplift 3=-59(LC 8), 2=-155(LC 8), 4=-31(LC 8)
Max Grav 3=110(LC 1), 2=276(LC 1), 4=85(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-11-4 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=155.

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	HJ08	Diagonal Hip Girder	2	1	T24891396
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:02 2021 Page 1
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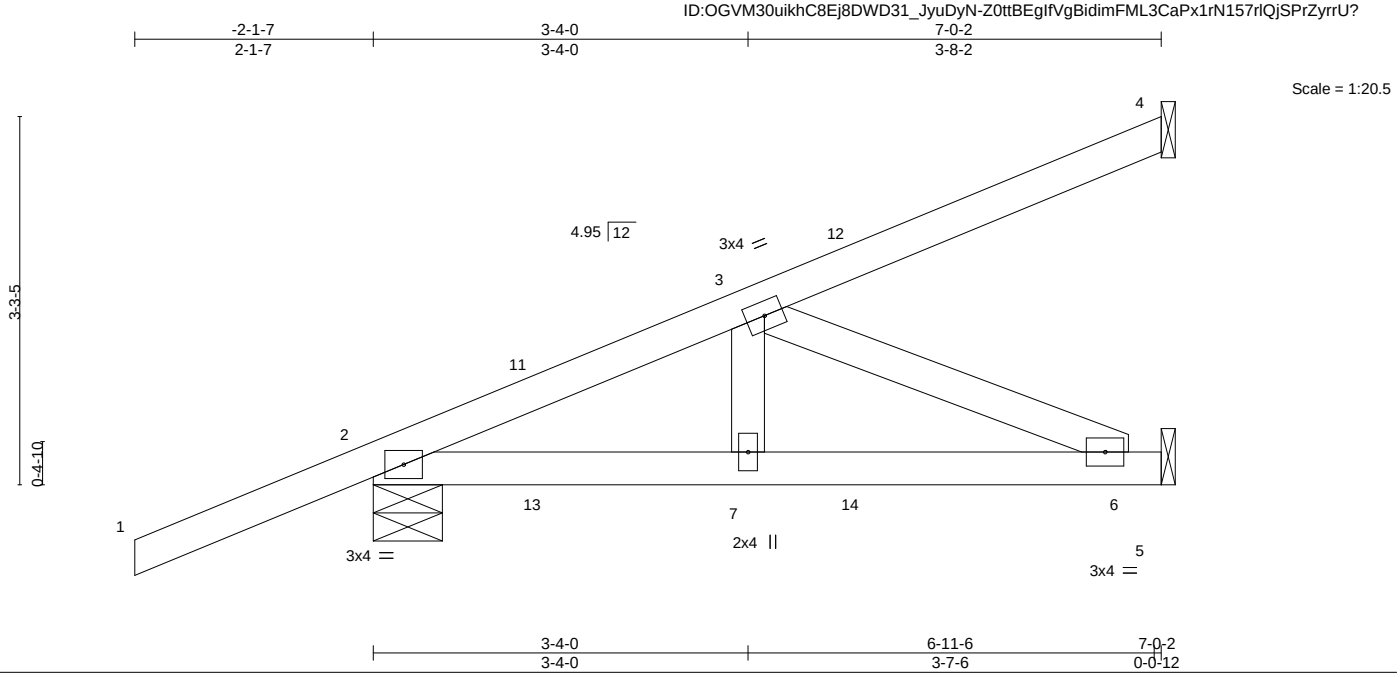

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	0.01	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.02	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 32 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-7-6, 5=Mechanical
Max Horz 2=128(LC 8)
Max Uplift 4=-48(LC 8), 2=-151(LC 4), 5=-51(LC 8)
Max Grav 4=90(LC 19), 2=391(LC 1), 5=166(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-384/89
BOT CHORD 2-7=-151/312, 6-7=-151/312
WEBS 3-6=-340/164

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=151.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 62 lb down and 73 lb up at 1-6-1, 62 lb down and 73 lb up at 1-6-1, and 80 lb down and 43 lb up at 4-4-0, and 80 lb down and 43 lb up at 4-4-0 on top chord, and 20 lb down and 44 lb up at 1-6-1, 20 lb down and 44 lb up at 1-6-1, and 24 lb down at 4-4-0, and 24 lb down at 4-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 14=-5(F=-3, B=-3)

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	HJ08A	Diagonal Hip Girder	2	1	T24891397
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:03 2021 Page 1
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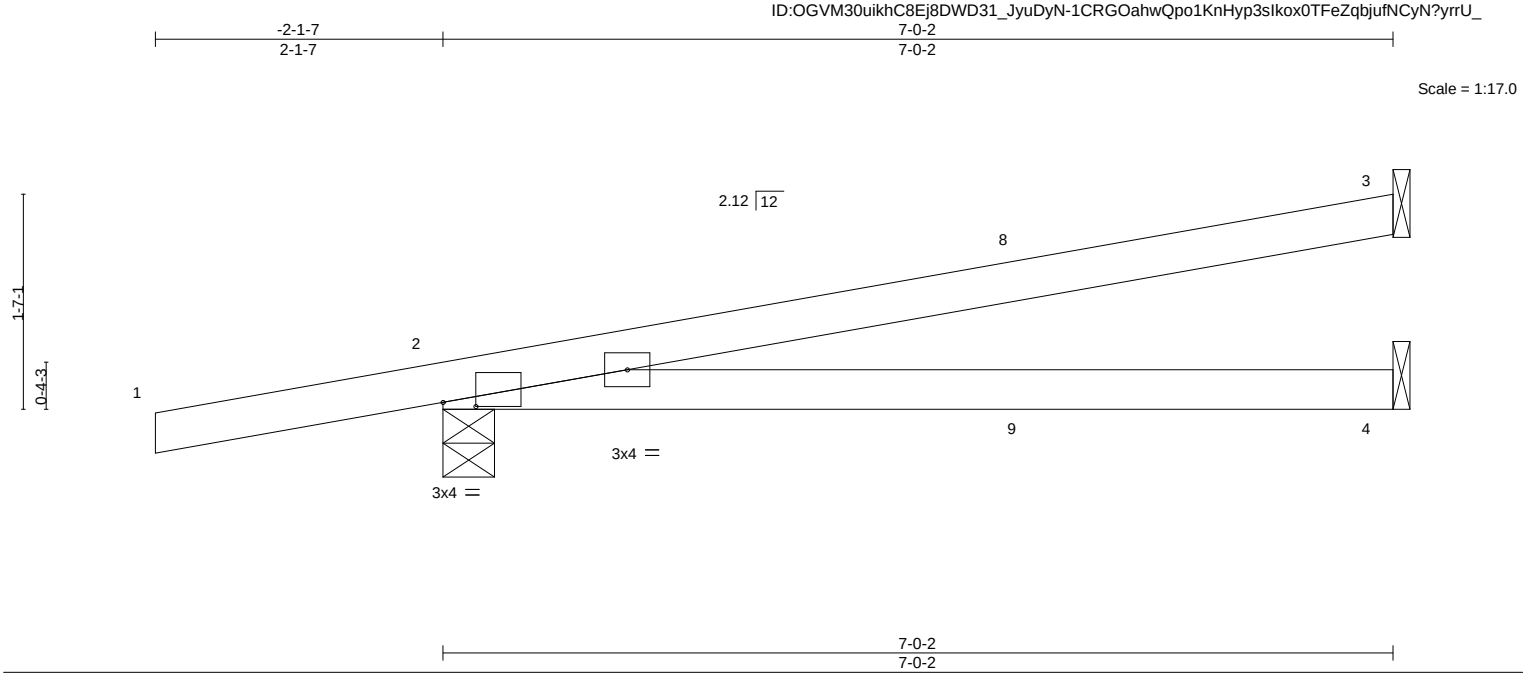

Plate Offsets (X,Y)-- [2:0-2-15,0-0-6]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	0.14	4-7	>580	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.21	4-7	>400	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 24 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-4-9, 4=Mechanical
Max Horz 2=61(LC 4)
Max Uplift 3=-80(LC 4), 2=-227(LC 4), 4=-46(LC 4)
Max Grav 3=157(LC 1), 2=394(LC 1), 4=121(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=227.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 21 lb down and 34 lb up at 4-4-0, and 21 lb down and 34 lb up at 4-4-0 on top chord, and 45 lb down and 22 lb up at 1-6-1, 45 lb down and 22 lb up at 1-6-1, and 18 lb down and 24 lb up at 4-4-0, and 18 lb down and 24 lb up at 4-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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August 3,2021

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	PB01	GABLE	13	1	T24891398
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:03 2021 Page 1
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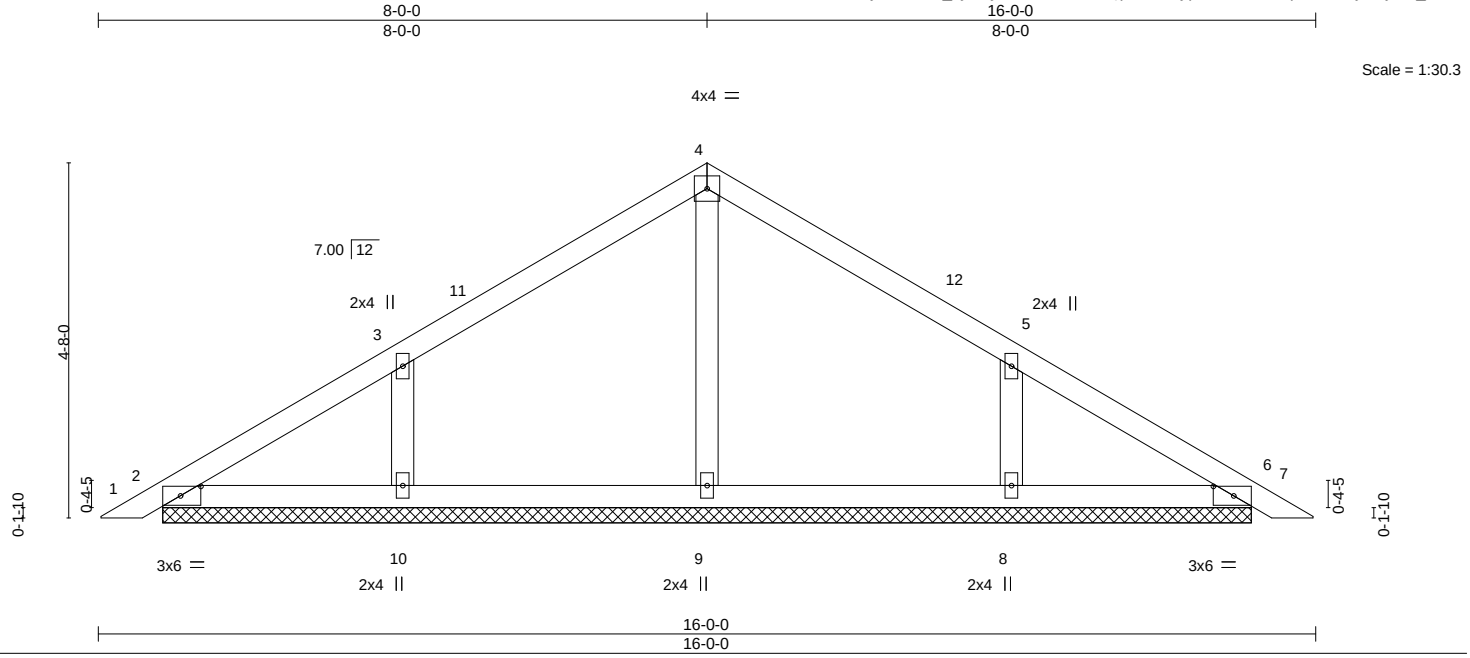

Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [6:0-3-3,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 59 lb	FT = 20%

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

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

REACTIONS. All bearings 14-3-11.
(lb) - Max Horz 2=-102(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 8=-143(LC 13), 10=-143(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 8=319(LC 20), 10=320(LC 19)

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-11 to 3-3-11, Interior(1) 3-3-11 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior(1) 11-0-0 to 15-8-5 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 4-0-0 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, 6 except (jt=lb) 8=143, 10=143.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

August 3,2021

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	PB01G	GABLE	2	1	T24891399
					Job Reference (optional)

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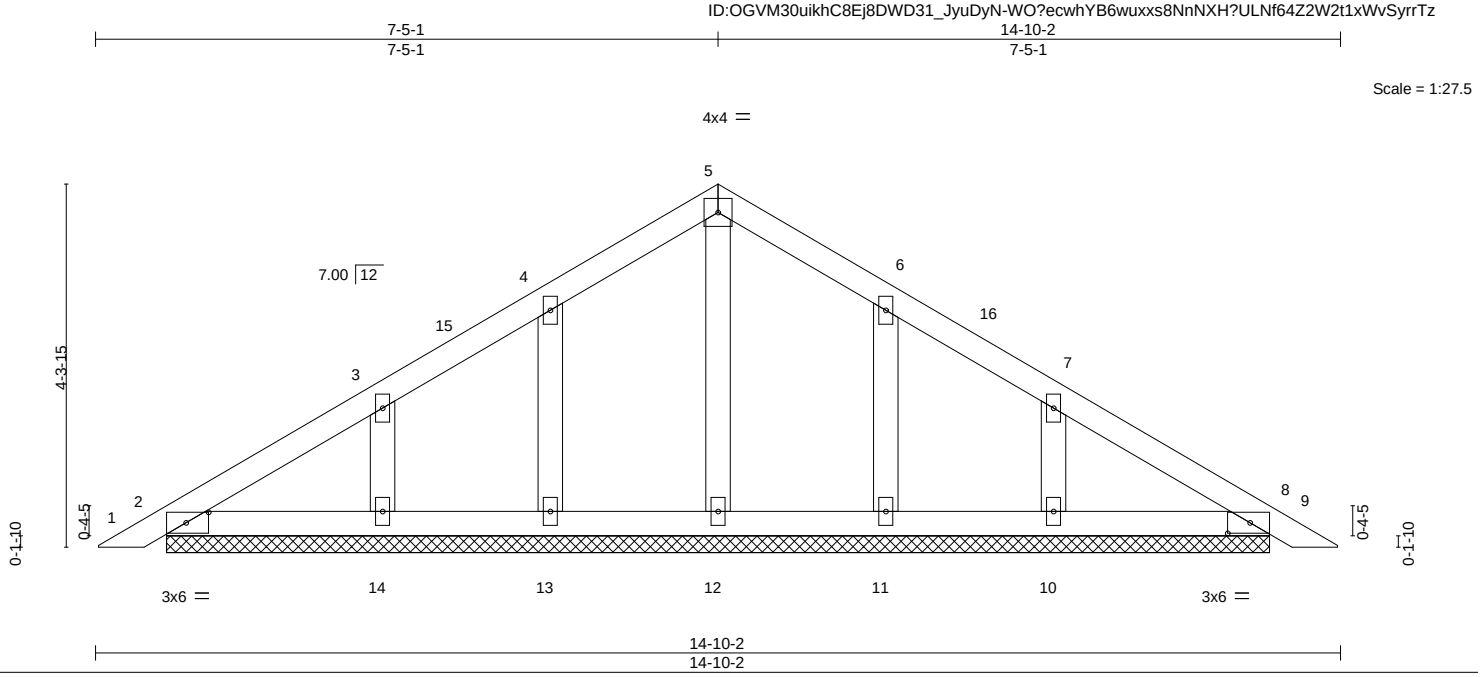

Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [8:0-3-3,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	0.00	8	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	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 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 13-1-13.
(lb) - Max Horz 2=94(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 14, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-11 to 3-5-1, Interior(1) 3-5-1 to 7-5-1, Exterior(2R) 7-5-1 to 10-5-1, Interior(1) 10-5-1 to 14-6-7 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, 8, 13, 14, 11, 10.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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6904 Parke East Blvd. Tampa FL 33610
Date:

August 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	PB02	GABLE	2	2	T24891400
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:05 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-_bZ0pGiAxQ2lZ4RLwUumqD0Vo2SBIVqB6hh3RuyrrTy

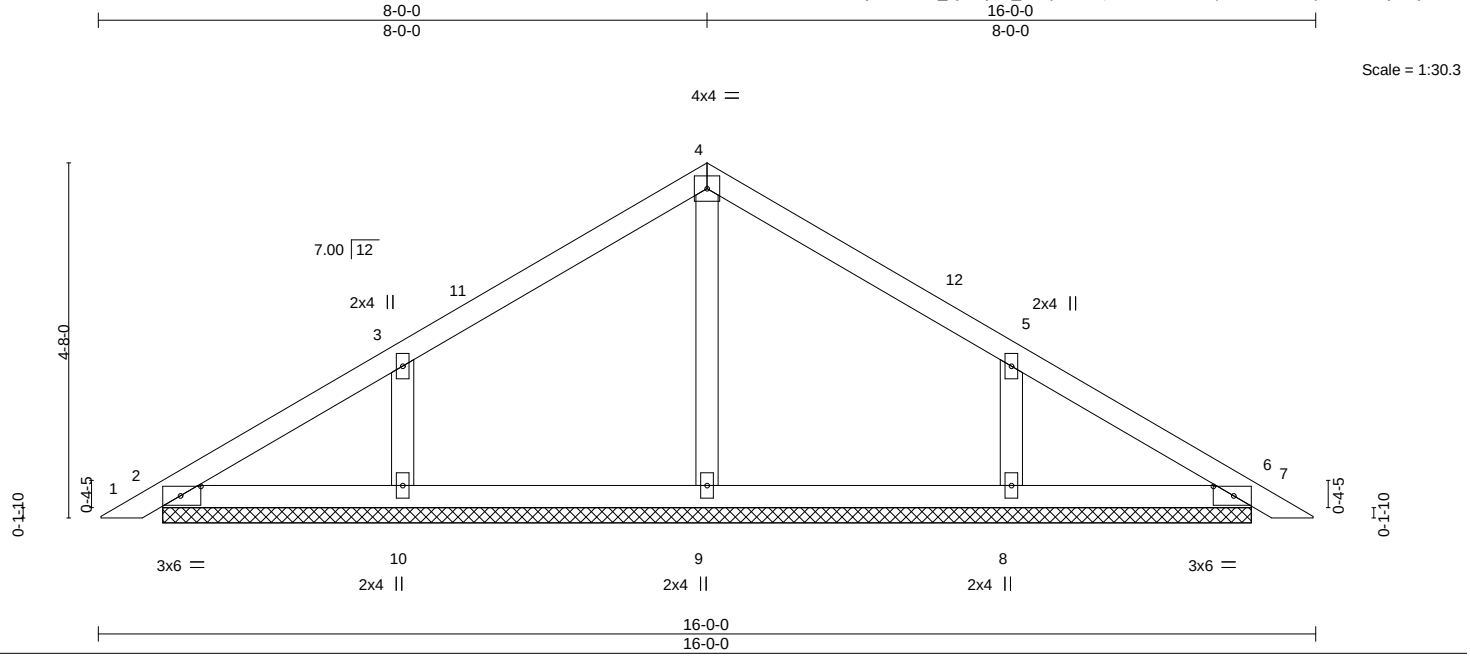

Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [6:0-3-3,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	6	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.

REACTIONS. All bearings 14-3-11.
(lb) - Max Horz 2=-102(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 8=-143(LC 13), 10=-143(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 8=319(LC 20), 10=320(LC 19)

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

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-11 to 3-3-11, Interior(1) 3-3-11 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior(1) 11-0-0 to 15-8-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) 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.
6) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 4-0-0 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, 6 except (jt=lb) 8=143, 10=143.
12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

August 3,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	PB03	Piggyback	8	1	T24891401
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:06 2021 Page 1
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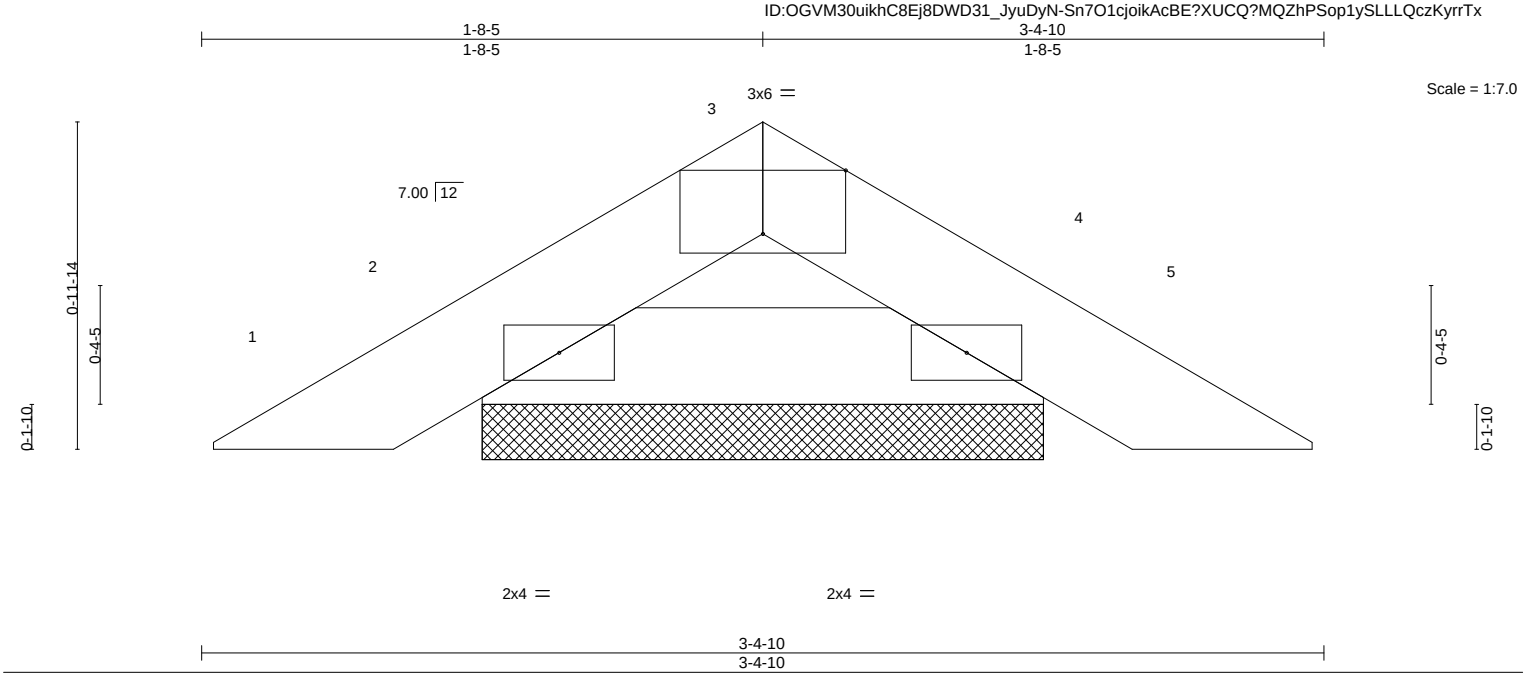

Plate Offsets (X,Y)-- [3:0-3-0,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.02	Vert(LL)	-0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 8 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=1-8-5, 4=1-8-5
Max Horz 2=-18(LC 10)
Max Uplift 2=-27(LC 12), 4=-27(LC 13)
Max Grav 2=92(LC 1), 4=92(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=22ft; 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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August 3,2021

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	PB03G	PIGGYBACK	1	1	T24891402
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:07 2021 Page 1
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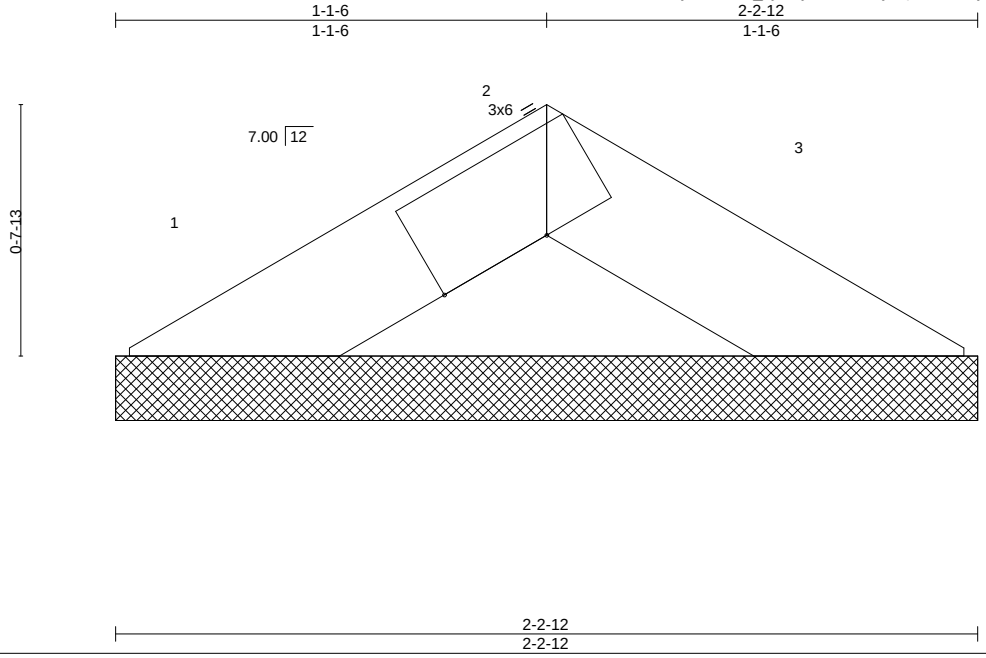

Plate Offsets (X,Y)-- [2:0-3-11,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25			Vert(CT)	n/a	-	n/a	999		
		Rep Stress Incr	YES			Horz(CT)	0.00	3	n/a	n/a		
		Code	FBC2020/TPI2014	Matrix-P							Weight: 4 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=2-2-12, 3=2-2-12
Max Horz 1=11(LC 9)
Max Uplift 1=-18(LC 12), 3=-18(LC 13)
Max Grav 1=44(LC 1), 3=44(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=22ft; 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) N/A
will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

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Date:

August 3,2021

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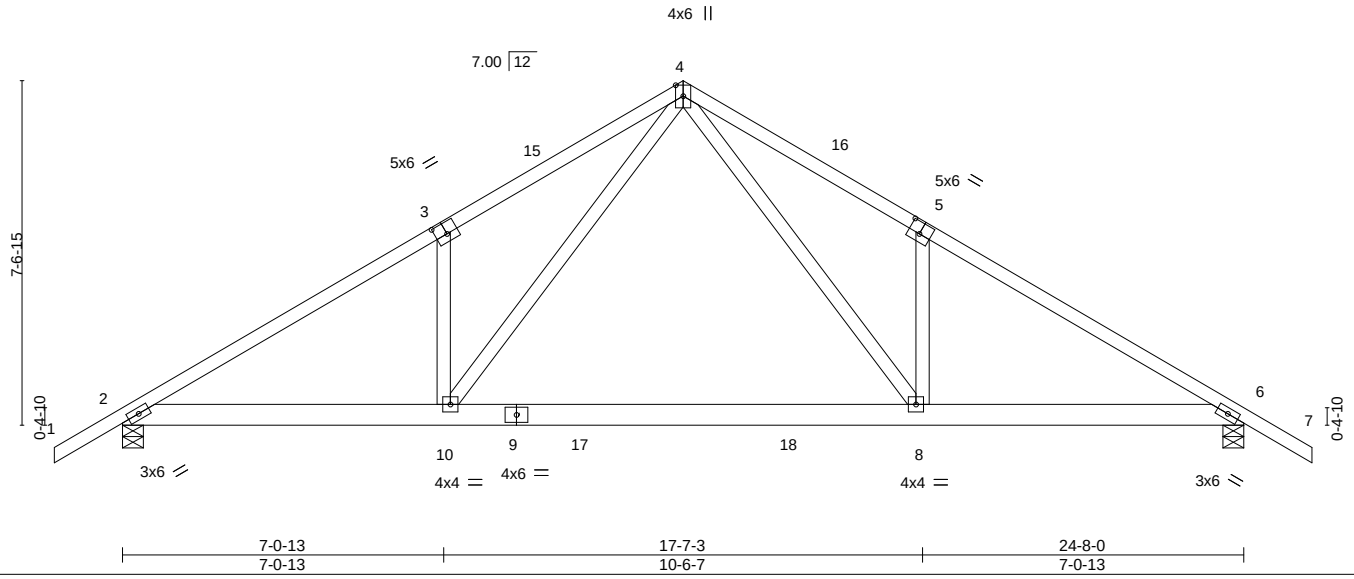
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES. T24891403
2868120	T01	Common	18	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:08 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-OAF9RIk3ELQKQY9wcdSTRrexMGPoVimdofvj2DyrrTv

-1-6-0	7-0-13	12-4-0	17-7-3	24-8-0	26-2-0
1-6-0	7-0-13	5-3-3	5-3-3	7-0-13	1-6-0

Scale = 1:50.7



7-0-13	17-7-3	24-8-0
7-0-13	10-6-7	7-0-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.22	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.42	8-10	>713	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 142 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-5-8, 6=0-5-8
Max Horz 2=183(LC 11)
Max Uplift 2=-319(LC 12), 6=-319(LC 13)
Max Grav 2=1446(LC 19), 6=1446(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2409/488, 3-4=-2442/634, 4-5=-2442/633, 5-6=-2409/487
BOT CHORD 2-10=-427/2129, 8-10=-193/1291, 6-8=-316/2006
WEBS 4-8=-395/1418, 5-8=-345/246, 4-10=-395/1418, 3-10=-345/246

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 12-4-0, Exterior(2R) 12-4-0 to 15-4-0, Interior(1) 15-4-0 to 26-2-0 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=319, 6=319.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-10=-20, 8-10=-80(F=-60), 6-8=-20

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Date:

August 3,2021

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T01G	Common Supported Gable	1	1	T24891404
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:09 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-sMpXfdlh?fYB2ik69Kzi_3B9_fpPEHQn1JfHafyrrTu

-1-6-0 | 12-4-0 | 24-8-0 | 26-2-0
1-6-0 | 12-4-0 | 12-4-0 | 1-6-0

Scale: 1/4"=1'

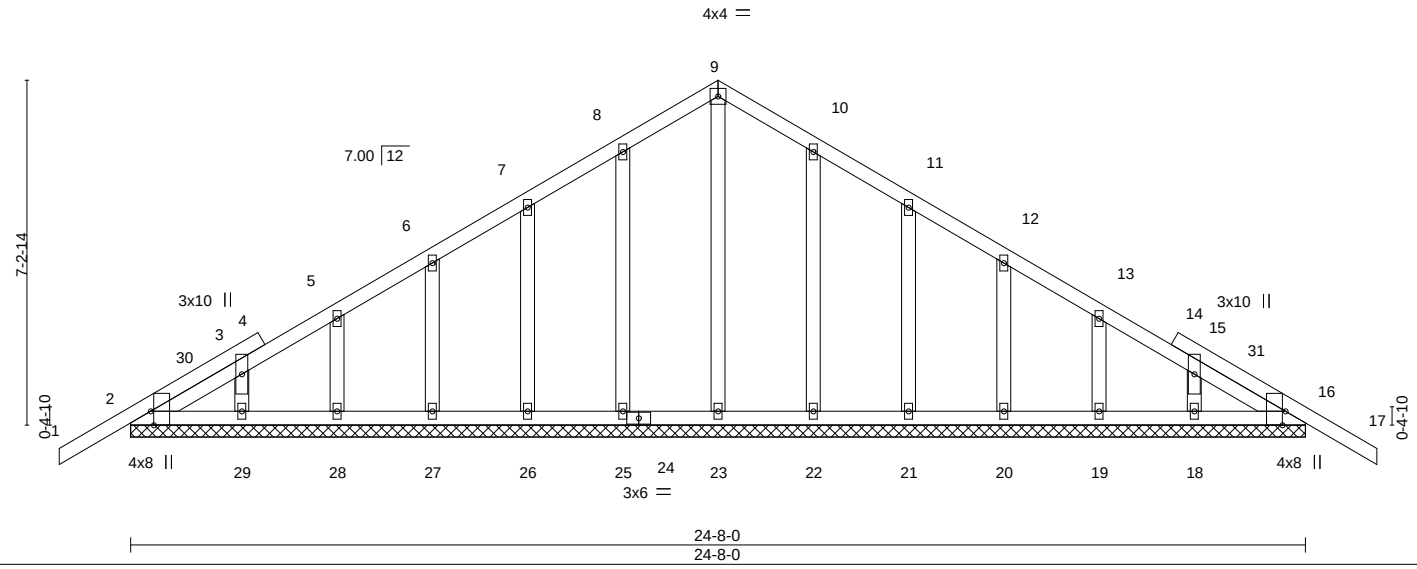

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [16:0-3-8,Edge]

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	0.13	Vert(LL)	-0.01	17	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	17	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 150 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 24-8-0.
(lb) - Max Horz 2=-175(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 25, 26, 27, 28, 29, 22, 21, 20, 19, 18
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 23, 25, 26, 27, 28, 29, 22, 21, 20, 19, 18

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 12-4-0, Corner(3R) 12-4-0 to 15-4-0, Exterior(2N) 15-4-0 to 26-2-0 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, 16, 25, 26, 27, 28, 29, 22, 21, 20, 19, 18.

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Date:

August 3,2021

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T02	Half Hip Girder	1	1	T24891405
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:10 2021 Page 1
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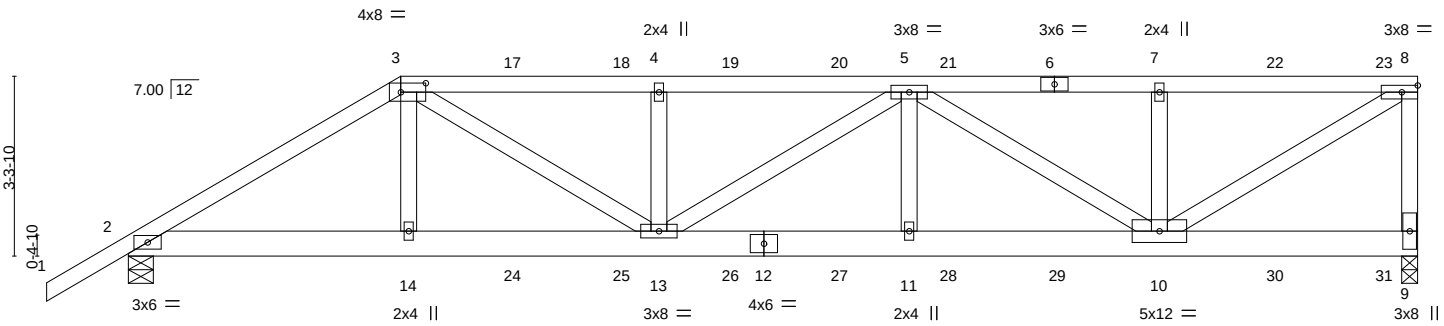
-1-6-0 | 5-0-0 | 9-8-14 | 14-4-0 | 18-11-2 | 23-8-0
1-6-0 | 5-0-0 | 4-8-14 | 4-7-2 | 4-7-2 | 4-8-14

Scale = 1:42.3



5-0-0 | 9-8-14 | 14-4-0 | 18-11-2 | 23-8-0
5-0-0 | 4-8-14 | 4-7-2 | 4-7-2 | 4-8-14

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

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	0.56	Vert(LL)	0.14	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.23	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 143 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-0-5 oc bracing.

REACTIONS. (size) 9=0-3-8, 2=0-5-8
Max Horz 2=130(LC 23)
Max Uplift 9=-653(LC 5), 2=-529(LC 8)
Max Grav 9=1579(LC 1), 2=1445(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2412/899, 3-4=-2893/1132, 4-5=-2893/1132, 5-7=-1886/741, 7-8=-1886/741, 8-9=-1466/647
BOT CHORD 2-14=-811/2029, 13-14=-815/2046, 11-13=-1115/2840, 10-11=-1115/2840
WEBS 3-14=-67/419, 3-13=-462/996, 4-13=-408/261, 5-11=0/302, 5-10=-1130/458, 7-10=-408/256, 8-10=-858/2191

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=653, 2=529.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 98 lb down and 82 lb up at 5-0-0, 98 lb down and 80 lb up at 7-0-12, 98 lb down and 80 lb up at 9-0-12, 98 lb down and 80 lb up at 11-0-12, 98 lb down and 80 lb up at 13-0-12, 98 lb down and 78 lb up at 15-0-12, 98 lb down and 80 lb up at 17-0-12, 98 lb down and 80 lb up at 19-0-12, 98 lb down and 80 lb up at 21-0-12, and 91 lb down and 79 lb up at 23-0-12, and 94 lb down and 78 lb up at 23-6-4 on top chord, and 189 lb down and 89 lb up at 5-0-0, 49 lb down and 15 lb up at 7-0-12, 49 lb down and 15 lb up at 9-0-12, 49 lb down and 15 lb up at 11-0-12, 49 lb down and 15 lb up at 13-0-12, 49 lb down and 15 lb up at 15-0-12, 49 lb down and 15 lb up at 17-0-12, 49 lb down and 15 lb up at 19-0-12, and 49 lb down and 15 lb up at 21-0-12, and 60 lb down and 15 lb up at 23-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-8=-54, 2-9=-20
   Concentrated Loads (lb)
   Vert: 3=-59(F) 6=-59(F) 8=-88(F) 14=-168(F) 7=-59(F) 10=-38(F) 17=-59(F) 18=-59(F) 19=-59(F) 20=-59(F) 21=-59(F) 22=-59(F) 23=-73(F) 24=-38(F) 25=-38(F) 26=-38(F) 27=-38(F) 28=-38(F) 29=-38(F) 30=-38(F) 31=-43(F)

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES. T24891406
2868120	T03	Common	6	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:11 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-okwH4JnxXGovH?uVHI?A3UGM0TIui5V4Ud8NfYyrrTs

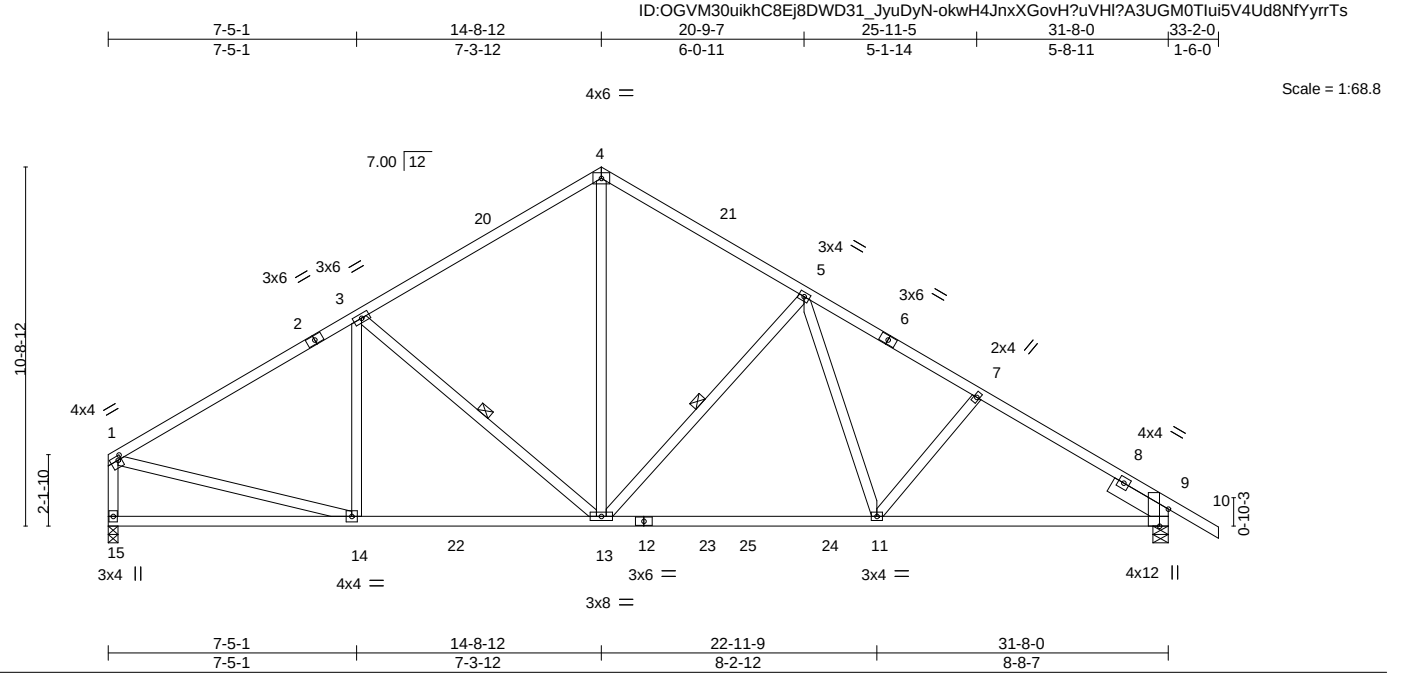

Plate Offsets (X,Y)-- [1:0-1-4,0-1-8], [9:0-6-2,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.21	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.35	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 190 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-8-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-13, 5-13

REACTIONS. (size) 15=0-3-8, 9=0-5-8
Max Horz 15=-233(LC 8)
Max Uplift 15=-236(LC 12), 9=-285(LC 13)
Max Grav 15=1338(LC 19), 9=1428(LC 20)

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

TOP CHORD	1-3=-1556/292, 3-4=-1300/323, 4-5=-1269/327, 5-7=-1809/379, 7-9=-1938/380, 1-15=-1223/254
BOT CHORD	14-15=-197/272, 13-14=-258/1431, 11-13=-148/1401, 9-11=-223/1585
WEBS	3-13=-423/224, 4-13=-189/938, 5-13=-635/264, 5-11=-71/446, 1-14=-168/1237

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-3-12, Interior(1) 3-3-12 to 14-8-12, Exterior(2R) 14-8-12 to 17-10-12, Interior(1) 17-10-12 to 33-2-0 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=236, 9=285.

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August 3,2021

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T03G	GABLE	1	1	T24891407
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:13 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-I721V?oB3t2dWJ2tOA2e8vMkUH1RAtmNyxdUjQyrrTq

7-5-1	14-8-12	20-9-7	25-11-5	31-8-0	33-2-0
7-5-1	7-3-11	6-0-11	5-1-14	5-8-11	1-6-0

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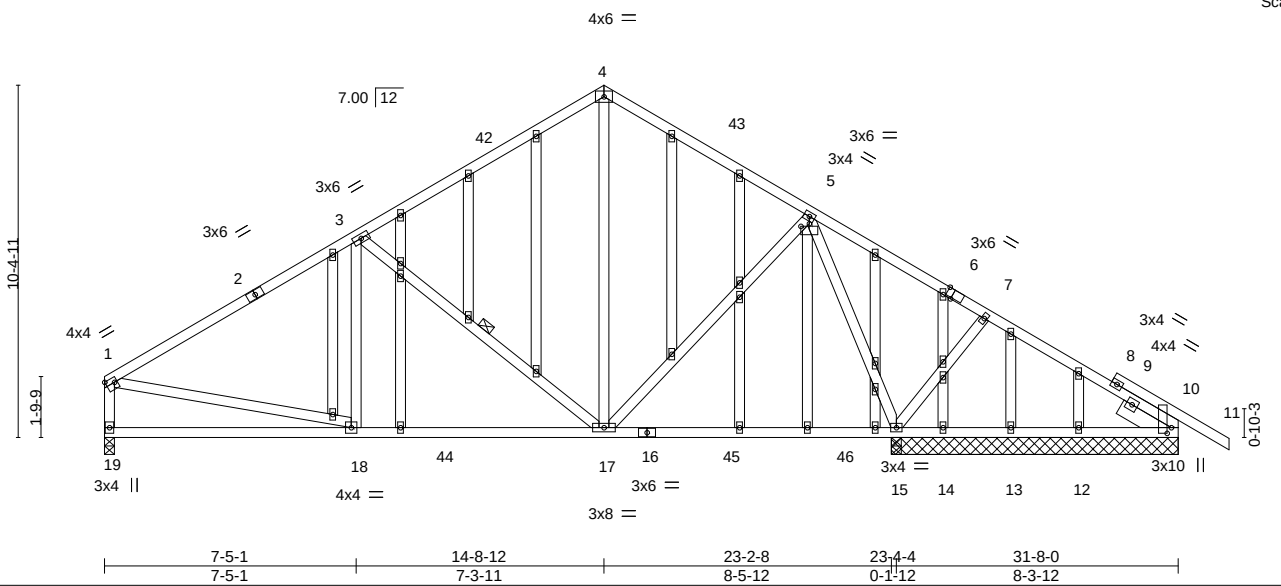

7-5-1	14-8-12	23-2-8	23-4-4	31-8-0
7-5-1	7-3-11	8-5-12	0-1-12	8-3-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.15	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.25	15-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.01	15	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 273 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
SLIDER	Right 2x6 SP No.2 1-7-6

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-0-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 3-17

REACTIONS. All bearings 8-5-8 except (jt=length) 19=0-3-8.
(lb) - Max Horz 19=-227(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 10, 12 except 19=-180(LC 12), 15=-240(LC 13), 14=-240(LC 18)
Max Grav All reactions 250 lb or less at joint(s) 13, 12 except 19=950(LC 19), 15=1565(LC 20), 15=1295(LC 1), 10=280(LC 24)

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

TOP CHORD	1-3=-1079/216, 3-4=-669/215, 4-5=-655/220, 5-7=-6/268, 1-19=-834/198
BOT CHORD	18-19=-201/281, 17-18=-203/1016
WEBS	3-17=-563/247, 4-17=-74/311, 5-17=-50/490, 5-15=-1042/215, 1-18=-88/765

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-3-12, Interior(1) 3-3-12 to 14-8-12, Exterior(2R) 14-8-12 to 17-10-12, Interior(1) 17-10-12 to 33-2-0 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 studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 12 except (jt=lb) 19=180, 15=240, 14=240.

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August 3,2021

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T04	Common	2	1	T24891408
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:14 2021 Page 1
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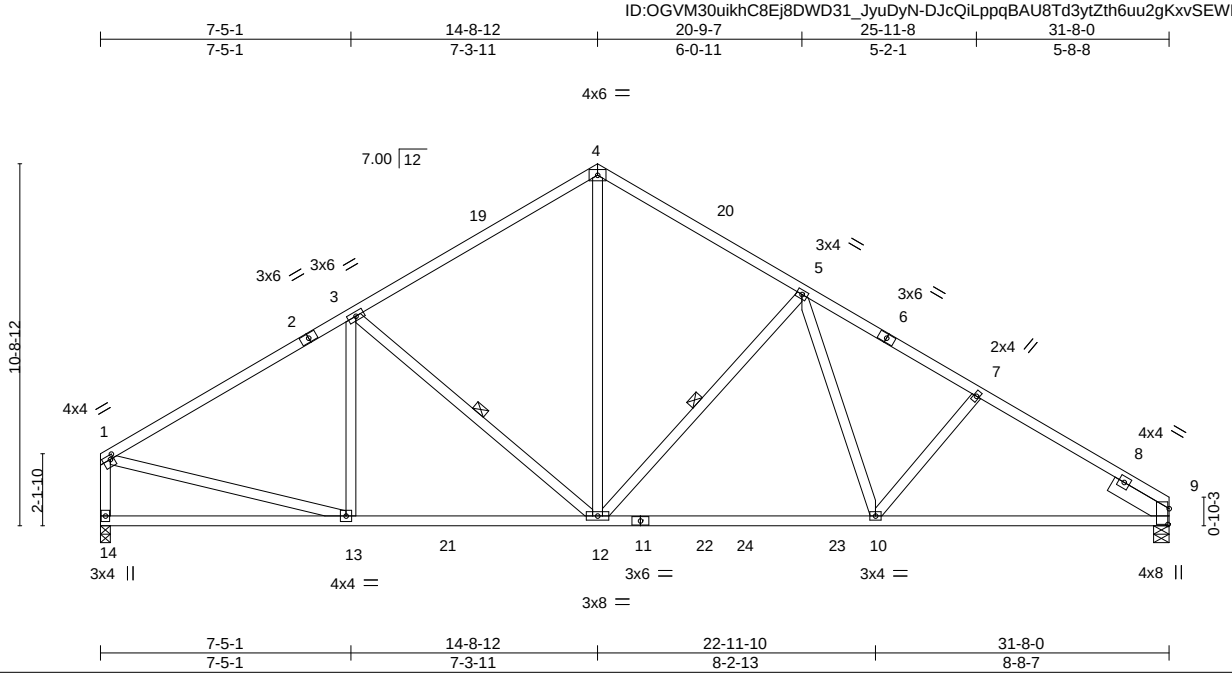

Plate Offsets (X,Y)-- [1:0-1-4,0-1-8], [9:0-5-10,0-0-7]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.21	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.35	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 188 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-12, 5-12

REACTIONS. (size) 14=0-3-8, 9=0-5-8
Max Horz 14=-220(LC 8)
Max Uplift 14=-237(LC 12), 9=-252(LC 13)
Max Grav 14=1340(LC 19), 9=1354(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1558/293, 3-4=-1304/324, 4-5=-1272/329, 5-7=-1825/383, 7-9=-1955/385, 1-14=-1224/255
BOT CHORD 13-14=-205/259, 12-13=-271/1423, 10-12=-164/1397, 9-10=-255/1607
WEBS 3-12=-422/224, 4-12=-190/942, 5-12=-642/266, 5-10=-75/459, 1-13=-169/1239

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-3-12, Interior(1) 3-3-12 to 14-8-12, Exterior(2R) 14-8-12 to 17-10-12, Interior(1) 17-10-12 to 31-8-0 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=237, 9=252.

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Date:

August 3,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T05	Common	1	1	T24891409
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:15 2021 Page 1
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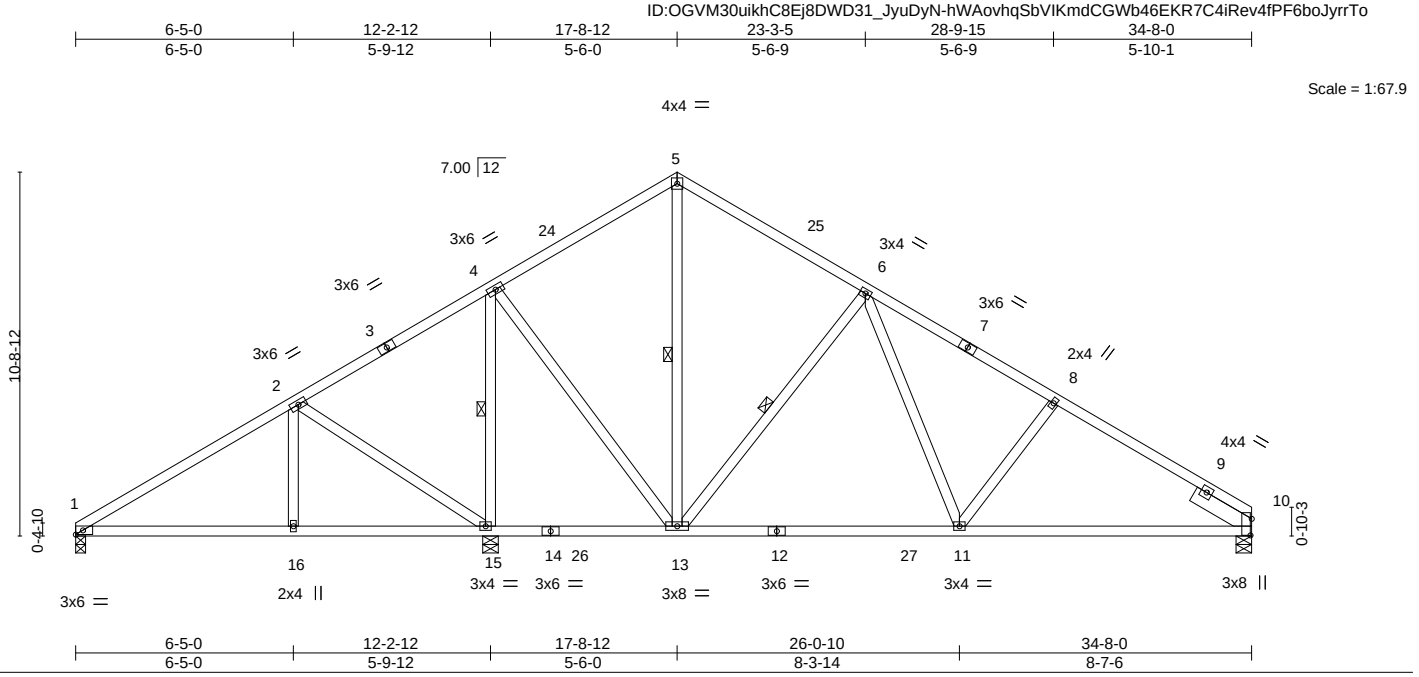

Plate Offsets (X,Y)-- [10:0-5-14,0-0-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	-0.18	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.28	11-13	>971	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 201 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 13-15.
WEBS 1 Row at midpt 4-15, 5-13, 6-13

REACTIONS. (size) 1=0-3-8, 15=0-5-8, 10=0-5-8
Max Horz 1=233(LC 9)
Max Uplift 1=-71(LC 9), 15=-338(LC 12), 10=-194(LC 13)
Max Grav 1=369(LC 23), 15=1675(LC 2), 10=915(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-396/294, 2-4=-89/379, 4-5=-444/221, 5-6=-421/198, 6-8=-1077/290, 8-10=-1199/286
BOT CHORD 1-16=-225/297, 15-16=-225/297, 13-15=-294/192, 11-13=-29/628, 10-11=-173/978
WEBS 2-16=-285/271, 2-15=-531/469, 4-15=-1224/285, 4-13=-102/850, 6-13=-663/271, 6-11=-103/569

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-5-10, Interior(1) 3-5-10 to 17-8-12, Exterior(2R) 17-8-12 to 21-2-6, Interior(1) 21-2-6 to 34-8-0 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 15=338, 10=194.

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August 3,2021

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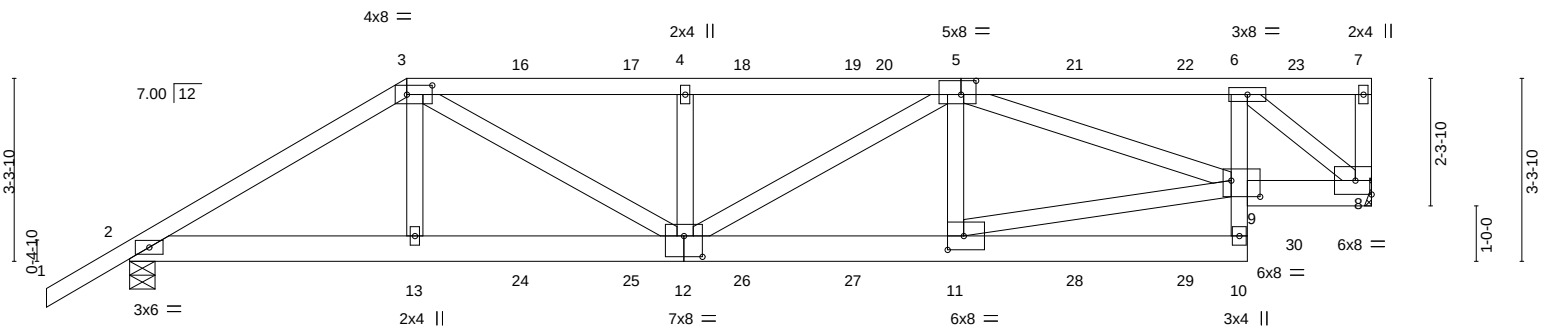
Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T06	Half Hip Girder	1	1	T24891410
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:17 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-dulYKNri76Z2?wLed?6aJlWQwuMZ6kOytZbisCyrrTm

-1-6-0	5-0-0	10-0-4	14-10-13	20-2-0	22-4-14
1-6-0	5-0-0	5-0-4	4-10-9	5-3-3	2-2-14

Scale = 1:41.6



5-0-0	10-0-4	14-10-13	20-2-0	22-4-14
5-0-0	5-0-4	4-10-9	5-3-3	2-2-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	0.12	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.20	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.82	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 141 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
6-10: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-8-6 oc bracing.

REACTIONS. (size) 8=Mechanical, 2=0-5-8
Max Horz 2=130(LC 23)
Max Uplift 8=-529(LC 5), 2=-498(LC 8)
Max Grav 8=1376(LC 1), 2=1368(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2262/839, 3-4=-2661/1040, 4-5=-2665/1042, 5-6=-1489/598
BOT CHORD 2-13=-760/1901, 12-13=-763/1918, 11-12=-926/2378, 10-11=-100/283, 6-9=-297/922, 8-9=-577/1461
WEBS 3-13=-65/427, 3-12=-411/861, 4-12=-436/277, 5-12=-175/333, 5-11=-265/205, 9-11=-852/2152, 5-9=-954/362, 6-8=-1884/747

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=529, 2=498.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 98 lb down and 82 lb up at 5-0-0, 98 lb down and 80 lb up at 7-0-12, 98 lb down and 80 lb up at 9-0-12, 98 lb down and 80 lb up at 11-0-12, 98 lb down and 77 lb up at 13-0-12, 98 lb down and 80 lb up at 15-0-12, 98 lb down and 80 lb up at 17-0-12, and 98 lb down and 80 lb up at 19-0-12, and 79 lb down and 55 lb up at 21-0-12 on top chord, and 189 lb down and 89 lb up at 5-0-0, 49 lb down and 15 lb up at 7-0-12, 49 lb down and 15 lb up at 9-0-12, 49 lb down and 15 lb up at 11-0-12, 49 lb down and 15 lb up at 13-0-12, 49 lb down and 15 lb up at 15-0-12, 49 lb down and 15 lb up at 17-0-12, and 49 lb down and 15 lb up at 19-0-12, and 86 lb down and 40 lb up at 21-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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August 3,2021

Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-7=-54, 2-10=-20, 8-9=-20
   Concentrated Loads (lb)
   Vert: 3=-59(B) 13=-168(B) 5=-59(B) 11=-38(B) 16=-59(B) 17=-59(B) 18=-59(B) 19=-59(B) 21=-59(B) 22=-59(B) 23=-29(B) 24=-38(B) 25=-38(B) 26=-38(B) 27=-38(B) 28=-38(B) 29=-38(B) 30=-84(B)

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T07	Piggyback Base	3	1	T24891411
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:18 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-55rwYisKuQhvd4wrBjdpry3dvlj1rI965DKFOeyrrTl

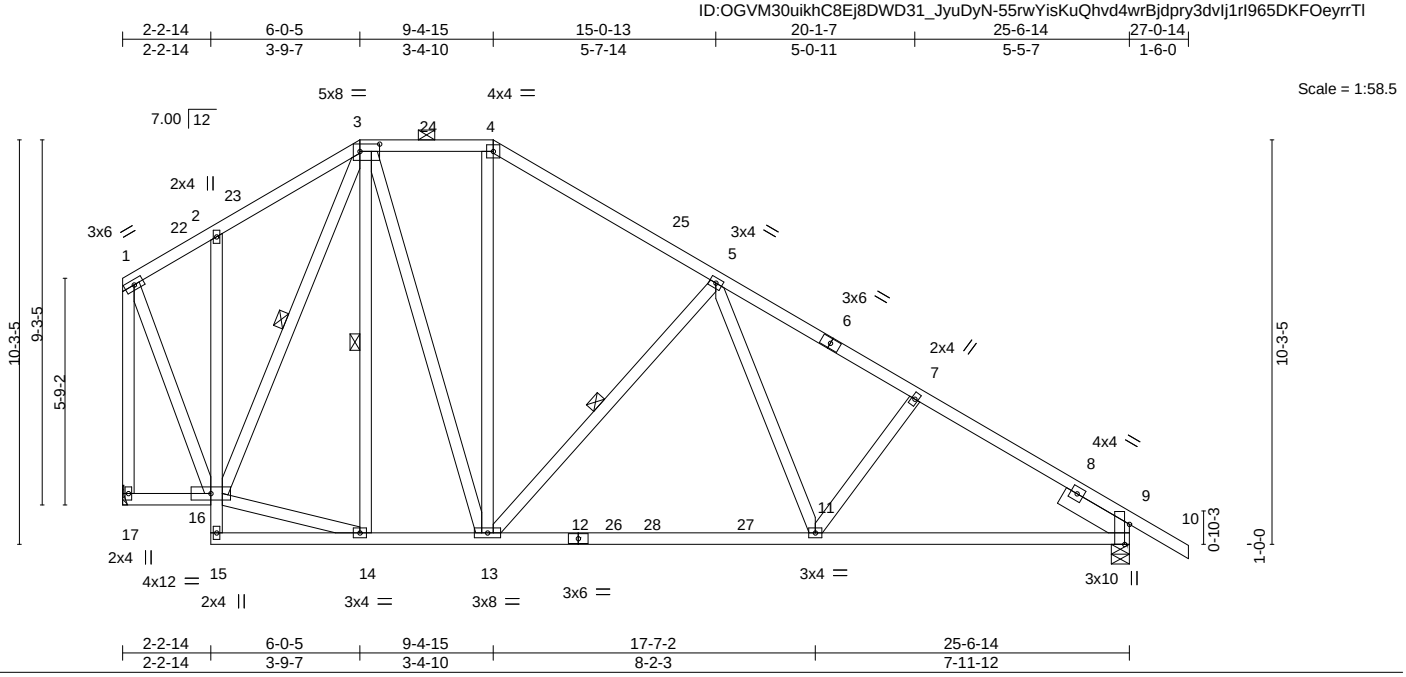

Plate Offsets (X,Y)-- [3:0-6-0,0-2-4], [9:0-6-2,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.18	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.31	11-13	>989	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 209 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-0-6 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-16, 3-14, 5-13

REACTIONS. (size) 17=Mechanical, 9=0-5-8
Max Horz 17=-291(LC 13)
Max Uplift 17=-202(LC 13), 9=-248(LC 13)
Max Grav 17=1023(LC 2), 9=1165(LC 20)

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

TOP CHORD	1-2=-375/90, 2-3=-407/163, 3-4=-647/247, 4-5=-803/237, 5-7=-1398/322, 7-9=-1501/315, 1-17=-968/208
BOT CHORD	16-17=-160/291, 13-14=-38/530, 11-13=-55/967, 9-11=-172/1219
WEBS	14-16=-39/495, 3-16=-483/165, 3-13=-162/592, 5-13=-618/257, 5-11=-80/471, 1-16=-170/813

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-0-5, Exterior(2E) 6-0-5 to 9-4-15, Exterior(2R) 9-4-15 to 13-7-14, Interior(1) 13-7-14 to 27-0-14 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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=202, 9=248.
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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August 3,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T07G	GABLE	1	1	T24891412
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:20 2021 Page 1
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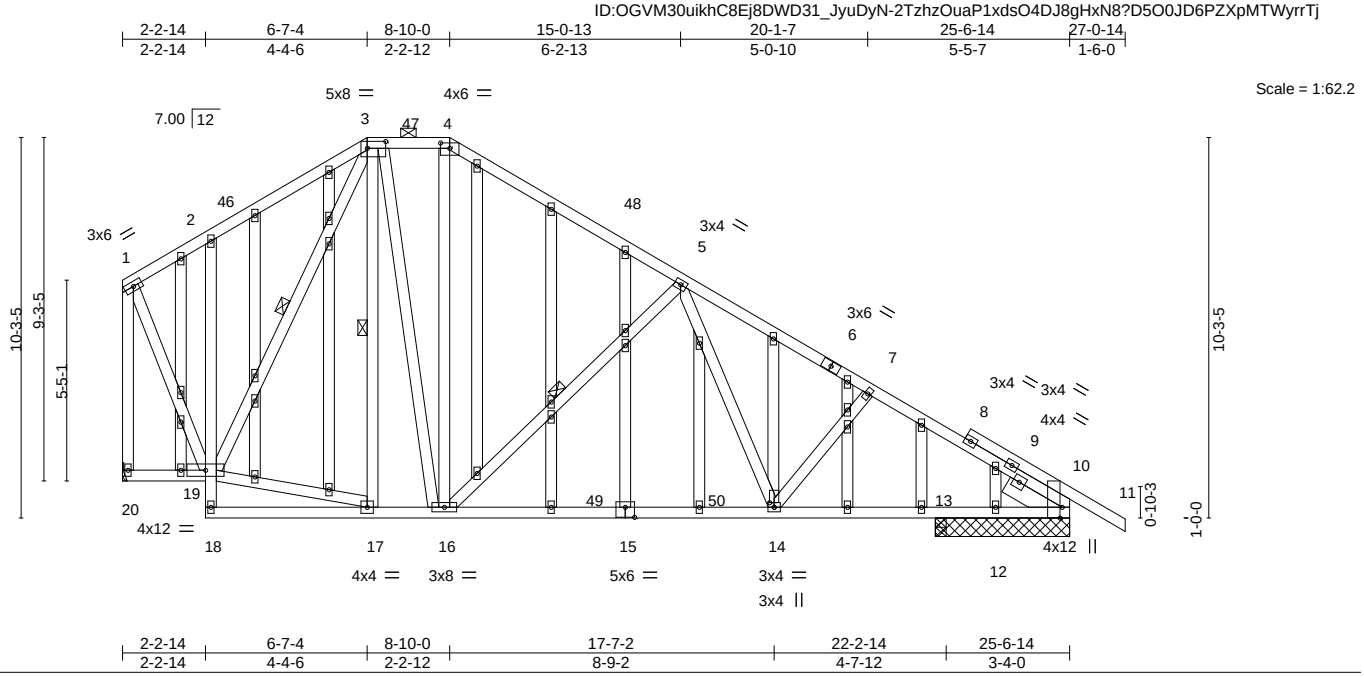

Plate Offsets (X,Y)-- [3:0-6-0,0-2-4], [4:0-3-0,0-1-12], [10:0-3-8,Edge], [14:0-1-8,0-1-8], [15:0-3-0,0-3-4]

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	0.38	Vert(LL)	-0.22	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.38	14-16	>694	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 302 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 2-18: 2x4 SP No.3
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
SLIDER	Right 2x6 SP No.2 1-7-6

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-9-11 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-19, 3-17, 5-16

REACTIONS. All bearings 3-7-8 except (jt=length) 20=Mechanical, 13=0-3-8.
(lb) - Max Horz 20=-286(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 20=-198(LC 13), 10=-274(LC 13), 12=-199(LC 1)
Max Grav All reactions 250 lb or less at joint(s) 12, 13 except 20=1010(LC 20), 10=1281(LC 20)

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

TOP CHORD	1-2=-388/92, 2-3=-438/177, 3-4=-627/240, 4-5=-784/223, 5-7=-1438/321, 7-10=-1564/320, 1-20=-957/204
BOT CHORD	19-20=-164/285, 16-17=-27/545, 14-16=-69/984, 13-14=-187/1274, 12-13=-187/1274, 10-12=-185/1299
WEBS	17-19=-30/498, 3-19=-471/148, 3-16=-157/638, 5-16=-638/268, 5-14=-70/477, 1-19=-169/812

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-7-4, Exterior(2E) 6-7-4 to 8-10-0, Exterior(2R) 8-10-0 to 13-0-15, Interior(1) 13-0-15 to 27-0-14 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, with BCDL = 10.0psf.
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 20, 274 lb uplift at joint 10 and 199 lb uplift at joint 12.

Continued on page 2

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Date:

August 3,2021

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T07G	GABLE	1	1	T24891412 Job Reference (optional)

NOTES-

12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T08	Piggyback Base	2	1	T24891413
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:21 2021 Page 1
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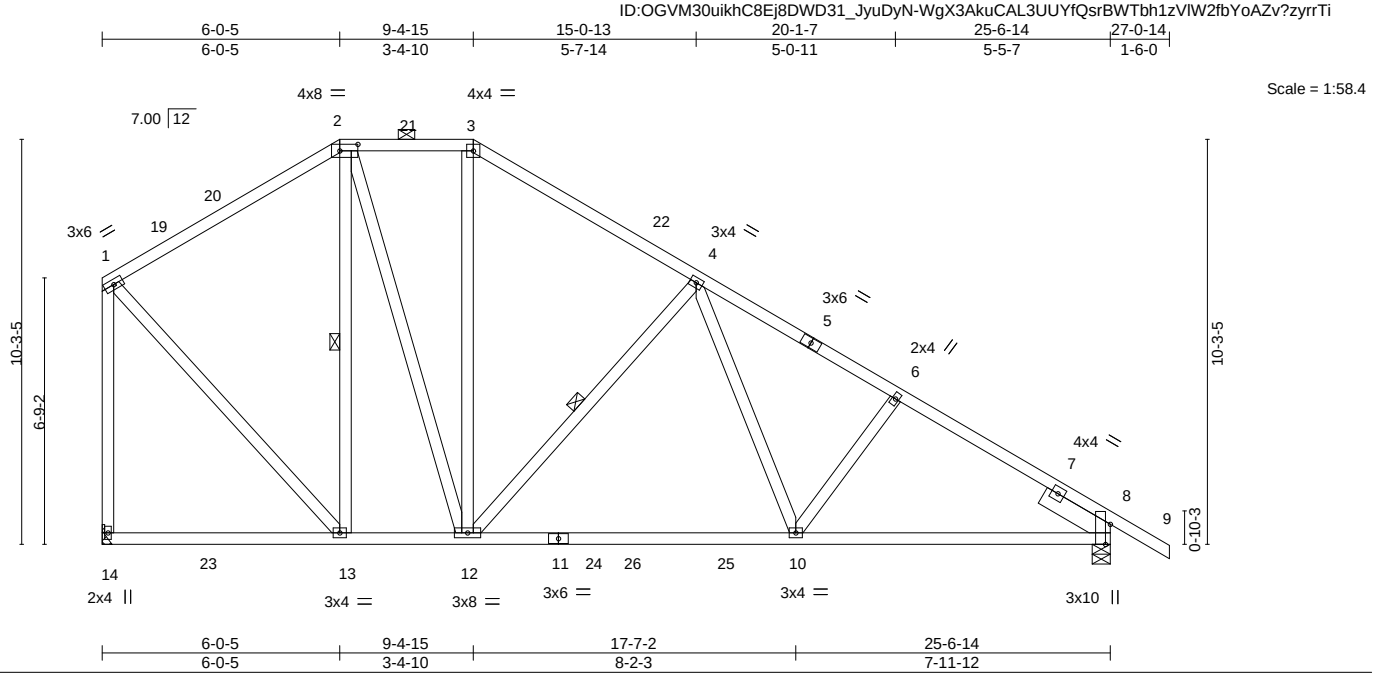

Plate Offsets (X,Y)-- [2:0-5-8,0-2-0], [8:0-6-2,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	-0.19	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.32	10-12	>950	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 184 lb	FT = 20%

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

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

REACTIONS. (size) 14=Mechanical, 8=0-5-8
Max Horz 14=-291(LC 13)
Max Uplift 14=-214(LC 13), 8=-236(LC 13)
Max Grav 14=1058(LC 2), 8=1163(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-633/177, 2-3=-640/228, 3-4=-800/215, 4-6=-1394/303, 6-8=-1497/295, 1-14=-930/230
BOT CHORD 13-14=-157/289, 12-13=-45/560, 10-12=-37/970, 8-10=-156/1215
WEBS 2-13=-387/139, 2-12=-172/549, 4-12=-621/259, 4-10=-82/474, 1-13=-155/720

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-0-5, Exterior(2E) 6-0-5 to 9-4-15, Exterior(2R) 9-4-15 to 13-7-14, Interior(1) 13-7-14 to 27-0-14 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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 214 lb uplift at joint 14 and 236 lb uplift at joint 8.
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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August 3,2021

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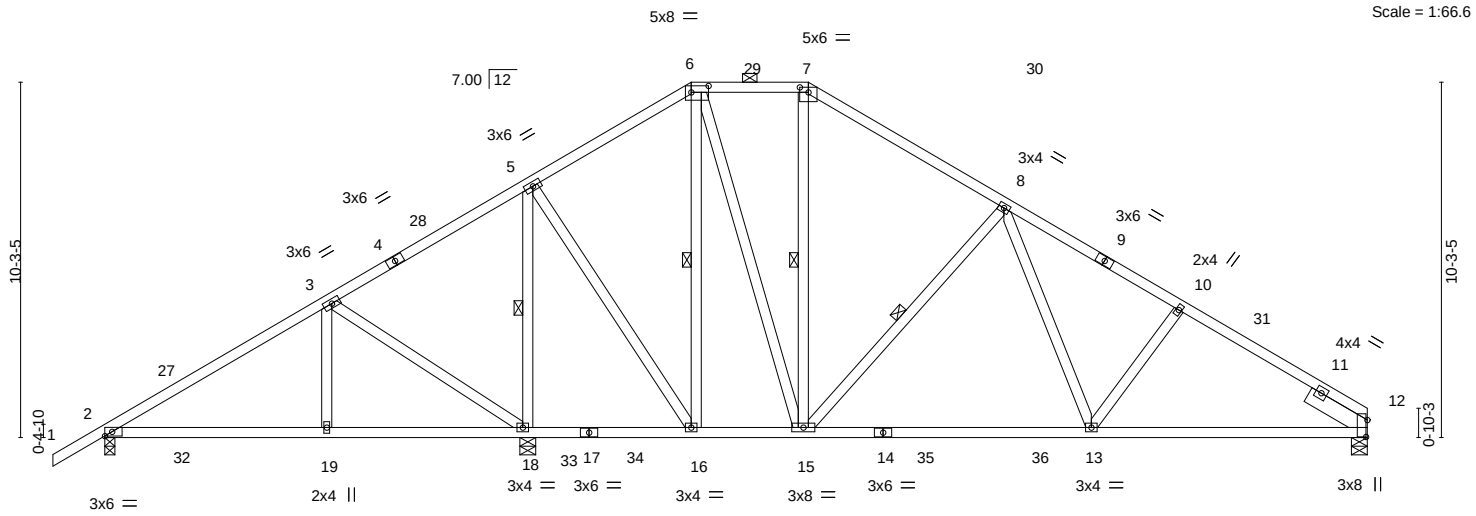
Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T09	Piggyback Base	3	1	T24891414
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:22 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-_s5RN4vrxeBL5iEcQZil0oEKfv57n42h0qITXPyrrTh

-1-6-0	6-5-0	12-2-12	16-11-7	20-4-1	25-11-15	31-0-9	36-6-0
1-6-0	6-5-0	5-9-12	4-8-11	3-4-10	5-7-14	5-0-11	5-5-7

Scale = 1:66.6



6-5-0	12-2-12	16-11-7	20-4-1	28-6-4	36-6-0
6-5-0	5-9-12	4-8-11	3-4-10	8-2-3	7-11-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.18	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.31	13-15	>955	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 235 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 2=0-3-8, 18=0-5-8, 12=0-5-8
Max Horz 2=236(LC 9)
Max Uplift 2=-99(LC 12), 18=-346(LC 12), 12=-218(LC 13)
Max Grav 2=460(LC 23), 18=1696(LC 2), 12=994(LC 20)

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

TOP CHORD	2-3=-411/243, 3-5=-88/338, 5-6=-406/221, 6-7=-490/254, 7-8=-623/245, 8-10=-1246/334, 10-12=-1352/327
BOT CHORD	2-19=-215/300, 18-19=-215/300, 16-18=-251/174, 15-16=-24/304, 13-15=-90/815, 12-13=-210/1103
WEBS	3-19=-220/263, 3-18=-515/333, 5-18=-1188/265, 5-16=-84/821, 6-16=-604/98, 6-15=-157/684, 8-15=-634/259, 8-13=-83/504

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-1-13, Interior(1) 2-1-13 to 16-11-7, Exterior(2E) 16-11-7 to 20-4-1, Exterior(2R) 20-4-1 to 25-6-0, Interior(1) 25-6-0 to 36-6-0 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) 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 99 lb uplift at joint 2, 346 lb uplift at joint 18 and 218 lb uplift at joint 12.
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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August 3,2021

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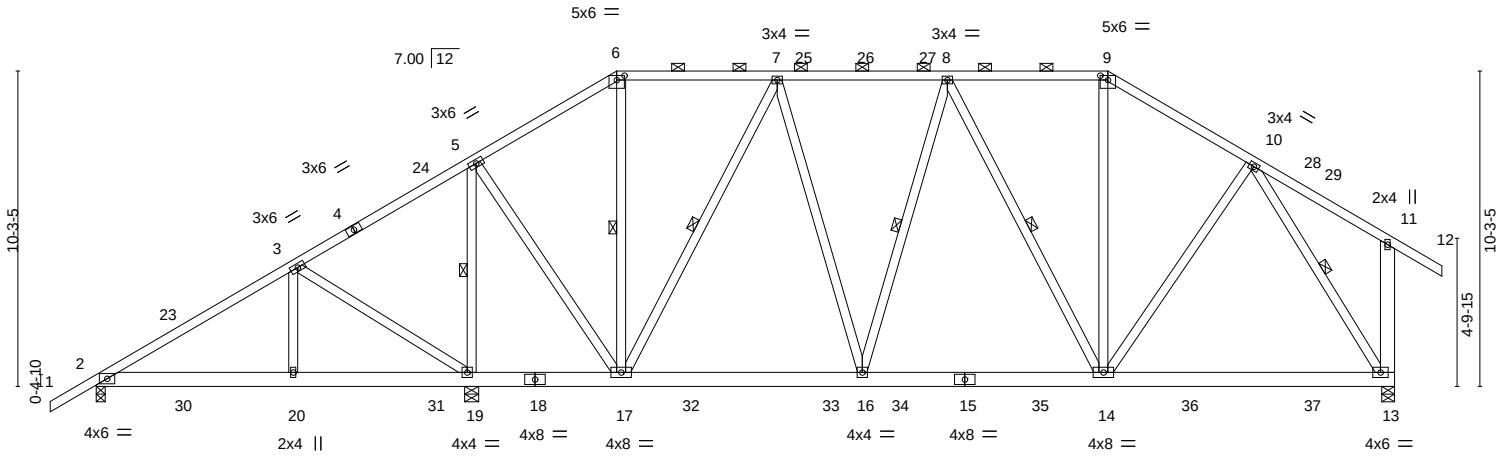
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T10	Piggyback Base	4	1	T24891415
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:23 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-S2fpbQwTiyJCjrpo_GD_Y0mWBJVQWXHrFU204ryrrTg

1-6-0	6-5-0	12-2-12	16-11-7	22-2-3	27-8-11	32-11-7	37-7-0	42-3-8	43-10-0
1-6-0	6-5-0	5-9-12	4-8-11	5-2-12	5-6-8	5-2-12	4-7-9	4-8-8	1-6-8

Scale = 1:75.1



6-5-0	12-2-12	16-11-7	24-11-7	32-11-7	42-3-8
6-5-0	5-9-12	4-8-11	8-0-0	8-0-0	9-4-1

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.09	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.15	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 334 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-8-2 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-19.
WEBS	1 Row at midpt 5-19, 6-17, 7-17, 8-16, 8-14, 10-13

REACTIONS. (size) 2=0-3-8, 19=0-5-8, 13=0-5-0
Max Horz 2=300(LC 11)
Max Uplift 2=-98(LC 12), 19=-432(LC 12), 13=-289(LC 13)
Max Grav 2=456(LC 23), 19=1918(LC 2), 13=1327(LC 2)

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

TOP CHORD	2-3=-406/230, 3-5=-135/264, 5-6=-571/177, 6-7=-442/186, 7-8=-901/251, 8-9=-826/275, 9-10=-1008/277, 11-13=-263/129
BOT CHORD	2-20=-219/379, 19-20=-219/379, 16-17=-209/785, 14-16=-206/919, 13-14=-145/623
WEBS	3-20=-231/277, 3-19=-515/337, 5-19=-1441/345, 5-17=-162/1039, 7-17=-754/219, 7-16=-83/441, 8-14=-273/158, 9-14=-44/298, 10-14=-102/389, 10-13=-1122/227

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-8-12, Interior(1) 2-8-12 to 16-11-7, Exterior(2R) 16-11-7 to 22-11-3, Interior(1) 22-11-3 to 32-11-7, Exterior(2R) 32-11-7 to 38-11-3, Interior(1) 38-11-3 to 43-10-0 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 98 lb uplift at joint 2, 432 lb uplift at joint 19 and 289 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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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 3,2021

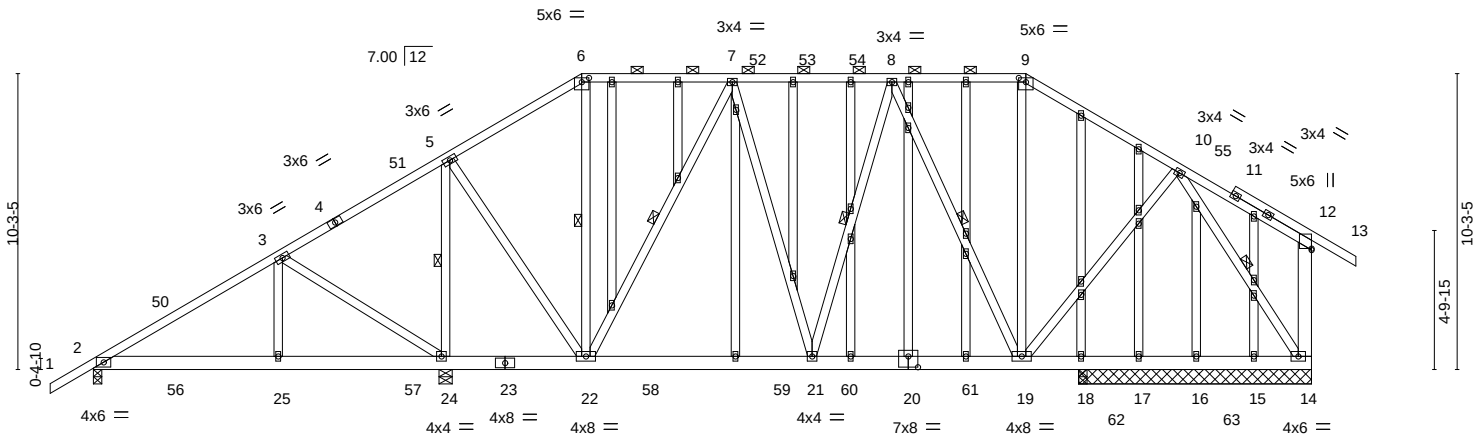
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T10G	GABLE	2	1	T24891416
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:26 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-sdKyDSyL?thnaJXNfOmhAeO0RWYGjtDHxSGggAyrrTd

1-6-0	6-5-0	12-2-12	16-11-7	22-2-3	27-8-11	32-4-8	37-7-0	42-3-8	43-10-0
1-6-0	6-5-0	5-9-12	4-8-11	5-2-12	5-6-8	4-7-13	5-2-8	4-8-8	1-6-8

Scale = 1:80.0



6-5-0	12-2-12	16-11-7	24-11-7	32-4-8	34-2-8	42-3-8
6-5-0	5-9-12	4-8-11	8-0-0	7-5-1	1-10-0	8-1-0

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [9:0-3-0,0-1-12], [20:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.06	19-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.10	19-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 460 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 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 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 22-24.
WEBS	1 Row at midpt 5-24, 6-22, 7-22, 8-21, 8-19, 10-14

REACTIONS. All bearings 8-1-0 except (jt=length) 2=0-3-8, 24=0-5-8, 18=0-3-8, 18=0-3-8.
(lb) - Max Horz 2=296(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16 except 24=-424(LC 12), 14=-289(LC 13), 17=-183(LC 1), 18=-111(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 15, 16, 17 except 2=458(LC 23), 24=1809(LC 2), 14=938(LC 26), 18=411(LC 2), 18=386(LC 1)

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

TOP CHORD	2-3=-410/228, 3-5=-136/258, 5-6=-513/171, 6-7=-391/181, 7-8=-773/239, 8-9=-611/255, 9-10=-769/248
BOT CHORD	2-25=-219/382, 24-25=-219/382, 21-22=-199/685, 19-21=-190/750, 18-19=-143/480, 17-18=-143/480, 16-17=-143/480, 15-16=-143/480, 14-15=-143/480
WEBS	3-25=-231/277, 3-24=-515/337, 5-24=-1329/337, 5-22=-153/941, 7-22=-648/208, 7-21=-69/347, 8-19=-386/160, 10-19=-91/255, 10-14=-879/213

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-8-12, Interior(1) 2-8-12 to 16-11-7, Exterior(2R) 16-11-7 to 22-11-3, Interior(1) 22-11-3 to 32-4-8, Exterior(2R) 32-4-8 to 38-4-4, Interior(1) 38-4-4 to 43-10-0 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 100 lb uplift at joint(s) 2, 16 except (jt=lb) 24=424, 14=289, 17=183, 18=111.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

August 3,2021

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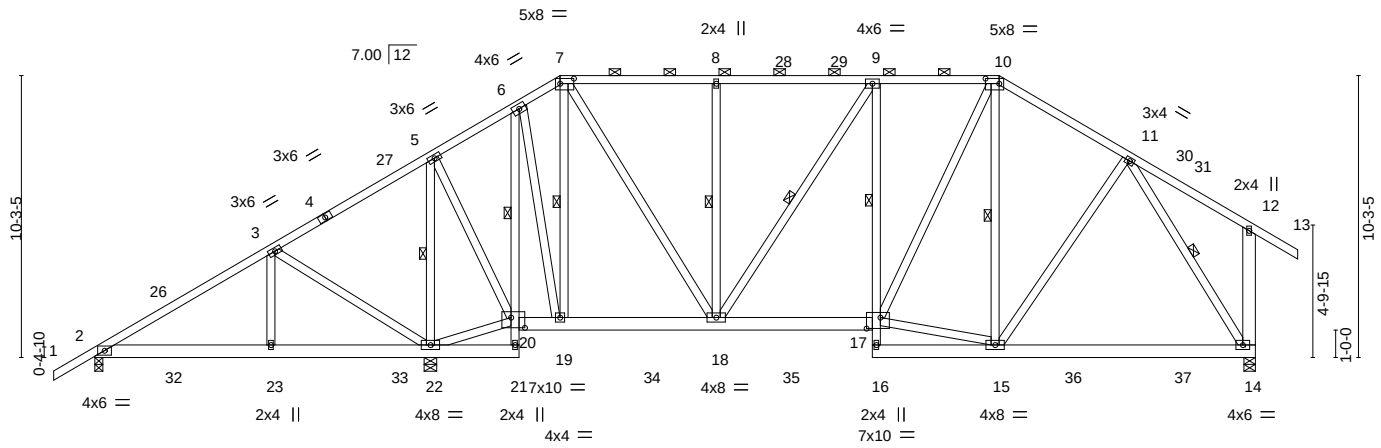
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T11	Piggyback Base	3	1	T24891417
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:29 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-HC05rT?EIo3LRmGyKXKOoH0XQjY3wE_jdQVKHVyrrTa

1-6-0	6-5-0	12-2-12	15-5-8	16-11-7	22-7-12	28-4-0	32-11-7	37-7-0	42-3-8	43-10-0
1-6-0	6-5-0	5-9-12	3-2-12	1-5-15	5-8-4	5-8-4	4-7-7	4-7-9	4-8-8	1-6-8

Scale = 1:84.0



6-5-0	12-2-12	15-5-8	16-11-7	22-7-12	28-4-0	32-11-7	42-3-8
6-5-0	5-9-12	3-2-12	1-5-15	5-8-4	5-8-4	4-7-7	9-4-1

Plate Offsets (X,Y)-- [7:0-6-0,0-2-4], [10:0-6-0,0-2-4], [17:0-6-1,0-4-13], [20:0-6-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	-0.09	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.16	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.04	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 375 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
6-21,9-16: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
12-14: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-15 oc purlins, except end verticals, and 2-0-0 oc purlins (5-9-0 max.): 7-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 21-22,20-21,15-16.
1 Row at midpt 6-20, 9-17
WEBS 1 Row at midpt 5-22, 7-19, 8-18, 9-18, 10-15, 11-14

REACTIONS. (size) 2=0-3-8, 22=0-5-8, 14=0-5-0
Max Horz 2=300(LC 11)
Max Uplift 2=-94(LC 12), 22=-437(LC 12), 14=-288(LC 13)
Max Grav 2=463(LC 25), 22=1857(LC 2), 14=1306(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-418/253, 3-5=-147/260, 5-6=-419/134, 6-7=-553/186, 7-8=-906/243, 8-9=-906/243, 9-10=-1009/301, 10-11=-982/276, 12-14=-262/128
BOT CHORD 2-23=-208/382, 22-23=-208/382, 6-20=-829/149, 19-20=-132/356, 18-19=-153/466, 17-18=-220/1014, 14-15=-145/610
WEBS 3-23=-229/272, 3-22=-514/337, 5-22=-1346/319, 5-20=-188/978, 6-19=-136/685, 7-19=-565/168, 7-18=-205/819, 8-18=-340/170, 15-17=-113/817, 10-17=-197/495, 11-15=-99/373, 11-14=-1098/226

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-8-12, Interior(1) 2-8-12 to 16-11-7, Exterior(2R) 16-11-7 to 22-7-12, Interior(1) 22-7-12 to 32-11-7, Exterior(2R) 32-11-7 to 38-11-3, Interior(1) 38-11-3 to 43-10-0 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 100 lb uplift at joint(s) 2 except (jt=lb) 22=437, 14=288.
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:

August 3,2021

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T12	Piggyback Base Girder	1	2	T24891418
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:33 2021 Page 1
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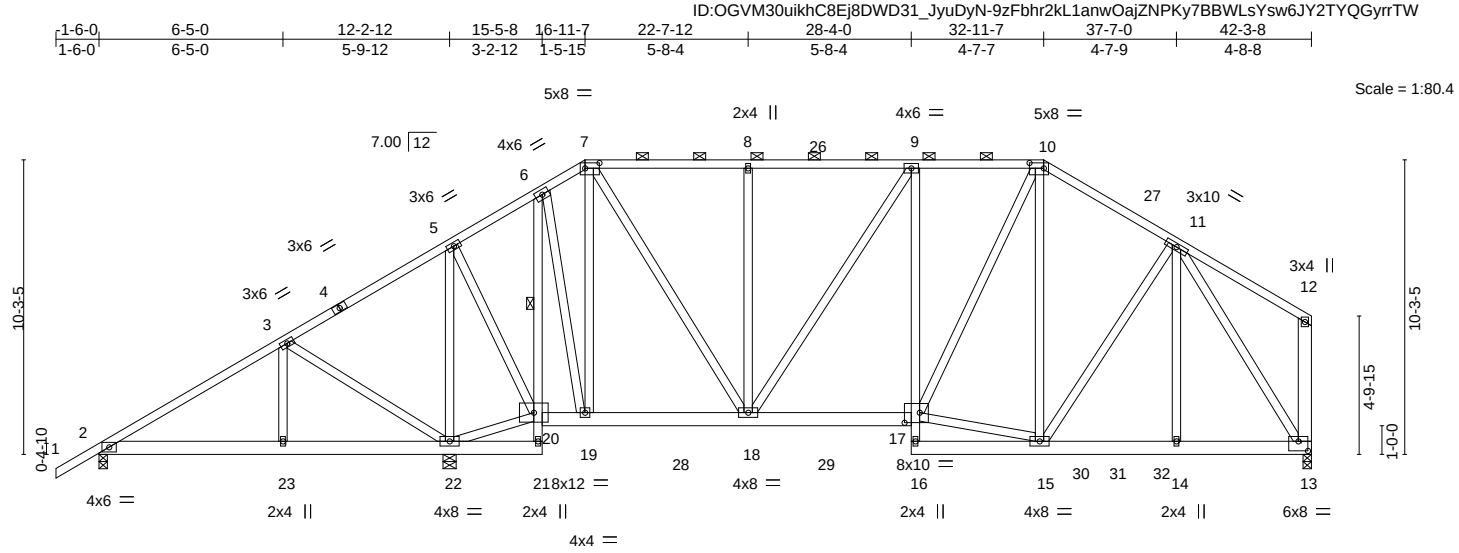

6-5-0	12-2-12	15-5-8	16-11-7	22-7-12	28-4-0	32-11-7	37-7-0	42-3-8
6-5-0	5-9-12	3-2-12	1-5-15	5-8-4	5-8-4	4-7-7	4-7-9	4-8-8

Plate Offsets (X,Y)-- [7:0-6-0,0-2-4], [10:0-6-0,0-2-4], [13:0-4-0,0-4-0], [17:0-6-6,0-4-3]

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	0.47	Vert(LL)	-0.06	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.11	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 764 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
6-21,9-16: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
12-13: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 21-22,20-21,16-17.
1 Row at midpt 6-20

REACTIONS. (size) 2=0-3-8, 22=0-5-8, 13=0-3-8
Max Horz 2=292(LC 5)
Max Uplift 2=-89(LC 8), 22=-607(LC 5), 13=-1164(LC 4)
Max Grav 2=454(LC 21), 22=2397(LC 2), 13=3650(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-395/99, 3-5=-158/278, 5-6=-650/201, 6-7=-872/273, 7-8=-1518/443, 8-9=-1518/443, 9-10=-1977/590, 10-11=-2415/736, 11-12=-440/229, 12-13=-652/318
BOT CHORD 2-23=-209/356, 22-23=-209/356, 6-20=-1201/273, 19-20=-209/549, 18-19=-250/734, 17-18=-549/1982, 9-17=-108/481, 14-15=-531/1878, 13-14=-531/1878
WEBS 3-23=-86/268, 3-22=-512/217, 5-22=-1876/488, 5-20=-344/1438, 6-19=-244/1006, 7-19=-930/291, 7-18=-417/1457, 8-18=-340/170, 9-18=-843/300, 15-17=-517/1964, 10-17=-242/372, 10-15=-301/866, 11-15=-473/295, 11-14=-196/863, 11-13=-3399/940

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 0-7-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 22=607, 13=1164.
10) Girder carries tie-in span(s): 7-2-0 from 36-0-0 to 42-3-8
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

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August 3,2021

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NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1417 lb down and 375 lb up at 34-1-9 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: 1-7=-54, 7-10=-54, 10-27=-54, 2-21=-20, 17-20=-20, 16-32=-20, 13-32=-116(F=-96)
   Concentrated Loads (lb)
   Vert: 30=-1317(B)
   Trapezoidal Loads (plf)
   Vert: 27=-224-to-12=-284

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T13	Piggyback Base	2	1	T24891419
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:34 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-dAp_vB3M6KieYY8v74wZVKjO9kILbNtSniC5ziyrrTV

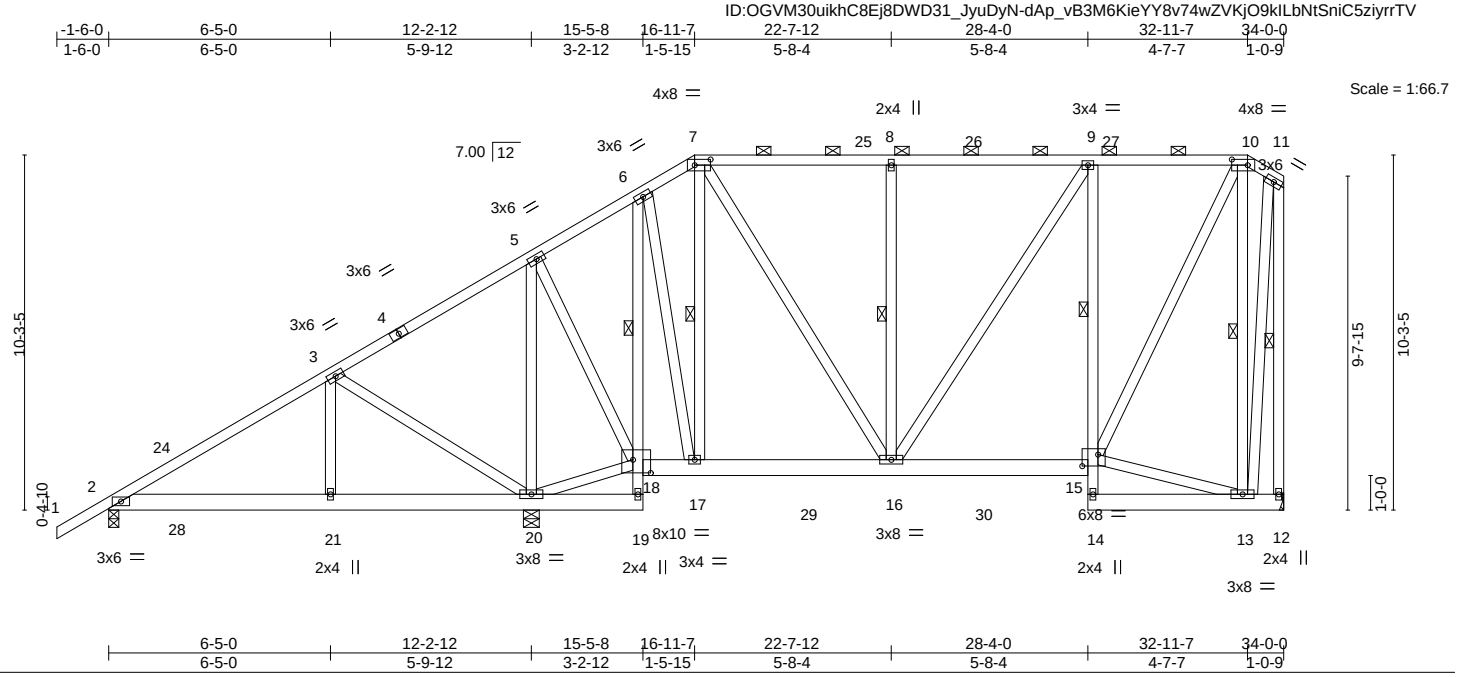

Plate Offsets (X,Y)-- [7:0-5-8,0-2-0], [10:0-5-8,0-2-0], [15:0-5-8,0-4-0], [18:0-6-3,0-4-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	-0.04	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.07	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 331 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
6-19,9-14: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 19-20,13-14.
1 Row at midpt 6-18, 9-15
WEBS 1 Row at midpt 7-17, 8-16, 10-13, 11-12

REACTIONS. (size) 2=0-3-8, 12=Mechanical, 20=0-5-8
Max Horz 2=366(LC 12)
Max Uplift 2=-61(LC 9), 12=-182(LC 9), 20=-429(LC 12)
Max Grav 2=438(LC 2), 12=836(LC 2), 20=1563(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-384/125, 3-5=-181/258, 6-7=-320/105, 7-8=-503/134, 8-9=-503/134, 9-10=-402/103, 11-12=-715/144
BOT CHORD 2-21=-241/301, 20-21=-241/301, 6-18=-630/130, 16-17=-100/267, 15-16=-106/410, 9-15=-427/186
WEBS 3-21=-226/275, 3-20=-517/329, 5-20=-1041/349, 5-18=-141/713, 6-17=-114/514, 7-17=-392/151, 7-16=-121/439, 8-16=-337/169, 10-15=-196/733, 10-13=-675/211, 11-13=-144/628

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-10-13, Interior(1) 1-10-13 to 16-11-7, Exterior(2R) 16-11-7 to 21-9-2, Interior(1) 21-9-2 to 32-11-7, Exterior(2E) 32-11-7 to 33-10-4 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 100 lb uplift at joint(s) 2 except (jt=lb) 12=182, 20=429.
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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6904 Parke East Blvd. Tampa FL 33610
Date:

August 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T14	Piggyback Base	1	1	T24891420
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:35 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-5MNM6W3?teqV9hj6hnRo1YGZ58cXJyRc0MyfV9yrrTU

-1-6-0 | 6-5-0 | 12-2-12 | 16-11-7 | 22-2-3 | 27-8-11 | 32-11-7 | 34-0-0
1-6-0 | 6-5-0 | 5-9-12 | 4-8-11 | 5-2-12 | 5-6-8 | 5-2-12 | 1-0-9

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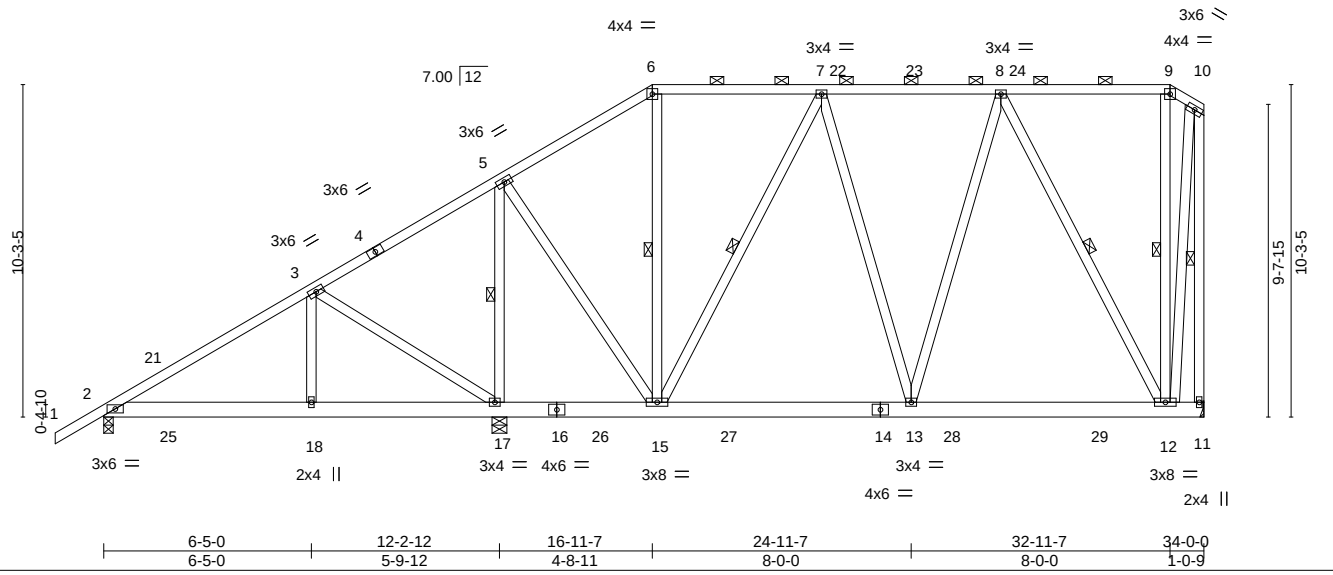

6-5-0 | 12-2-12 | 16-11-7 | 24-11-7 | 32-11-7 | 34-0-0
6-5-0 | 5-9-12 | 4-8-11 | 8-0-0 | 8-0-0 | 1-0-9

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.06	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.10	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 291 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 15-17.
WEBS 1 Row at midpt 5-17, 6-15, 7-15, 8-12, 9-12, 10-11

REACTIONS. (size) 2=0-3-8, 17=0-5-8, 11=Mechanical
Max Horz 2=366(LC 12)
Max Uplift 2=-67(LC 9), 17=-413(LC 12), 11=-186(LC 9)
Max Grav 2=441(LC 1), 17=1611(LC 2), 11=870(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-376/124, 3-5=-164/265, 5-6=-360/89, 6-7=-259/110, 7-8=-468/105, 10-11=-874/136
BOT CHORD 2-18=-254/298, 17-18=-254/298, 13-15=-122/439, 12-13=-103/382
WEBS 3-18=-229/278, 3-17=-516/328, 5-17=-1131/326, 5-15=-130/770, 7-15=-401/136, 8-13=-59/319, 8-12=-631/188, 10-12=-153/813

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-10-13, Interior(1) 1-10-13 to 16-11-7, Exterior(2R) 16-11-7 to 21-9-2, Interior(1) 21-9-2 to 32-11-7, Exterior(2E) 32-11-7 to 33-10-4 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 100 lb uplift at joint(s) 2 except (jt=lb) 17=413, 11=186.
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:

August 3,2021

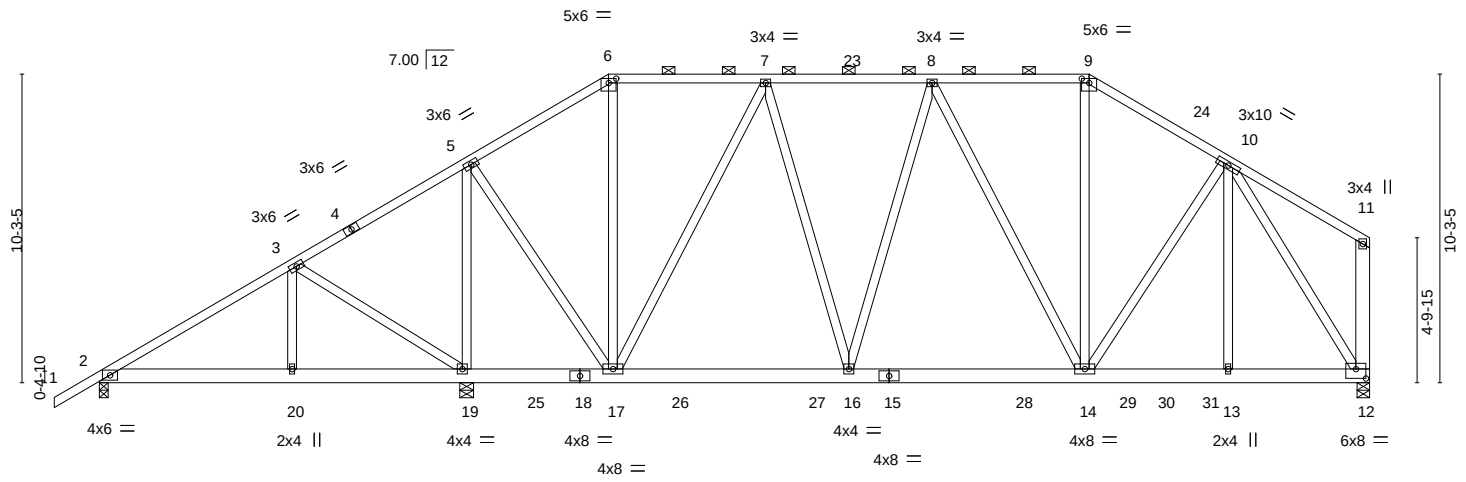
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T15	PIGGYBACK BASE GIRDE	1	2	T24891421
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:37 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-2lV6XC5FPF4DP?tUoCTG7zLtmyDlnk0vTgRlZ1yrrTS

1-6-0	6-5-0	12-2-12	16-11-7	22-2-3	27-8-11	32-11-7	37-7-0	42-3-8
1-6-0	6-5-0	5-9-12	4-8-11	5-2-12	5-6-8	5-2-12	4-7-9	4-8-8

Scale = 1:76.7



6-5-0	12-2-12	16-11-7	24-11-7	32-11-7	37-7-0	42-3-8
6-5-0	5-9-12	4-8-11	8-0-0	8-0-0	4-7-9	4-8-8

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

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)	-0.06	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.11	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 684 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
11-12: 2x6 SP No.2

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.): 6-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-19.

REACTIONS. (size) 2=0-3-8, 19=0-5-8, 12=0-5-0
Max Horz 2=292(LC 5)
Max Uplift 2=-96(LC 27), 19=-614(LC 5), 12=-1136(LC 4)
Max Grav 2=410(LC 19), 19=2514(LC 2), 12=3620(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-342/80, 3-5=-168/341, 5-6=-818/242, 6-7=-657/243, 7-8=-1540/444, 8-9=-1936/589, 9-10=-2411/714, 10-11=-426/222, 11-12=-629/306
BOT CHORD 2-20=-222/331, 19-20=-222/331, 17-19=-285/173, 16-17=-377/1274, 14-16=-480/1725, 13-14=-526/1884, 12-13=-526/1884
WEBS 3-20=-87/274, 3-19=-512/212, 5-19=-2035/514, 5-17=-334/1552, 7-17=-1356/416, 7-16=-236/987, 8-16=-747/311, 8-14=-172/467, 9-14=-248/951, 10-14=-451/279, 10-13=-215/906, 10-12=-3414/926

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 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 19=614, 12=1136.
10) Girder carries tie-in span(s): 7-2-0 from 36-0-0 to 42-3-8
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

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Date:

August 3,2021

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Tampa, FL 36610

NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1434 lb down and 377 lb up at 34-1-9 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: 1-6=-54, 6-9=-54, 9-24=-54, 2-31=-20, 12-31=-116(F=-96)
   Concentrated Loads (lb)
   Vert: 29=-1319(F)
   Trapezoidal Loads (plf)
   Vert: 24=-224-to-11=-270

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES. T24891422
2868120	T16	Piggyback Base	3	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:39 2021 Page 1
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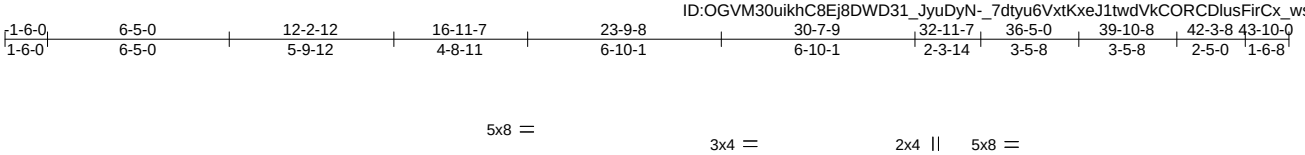

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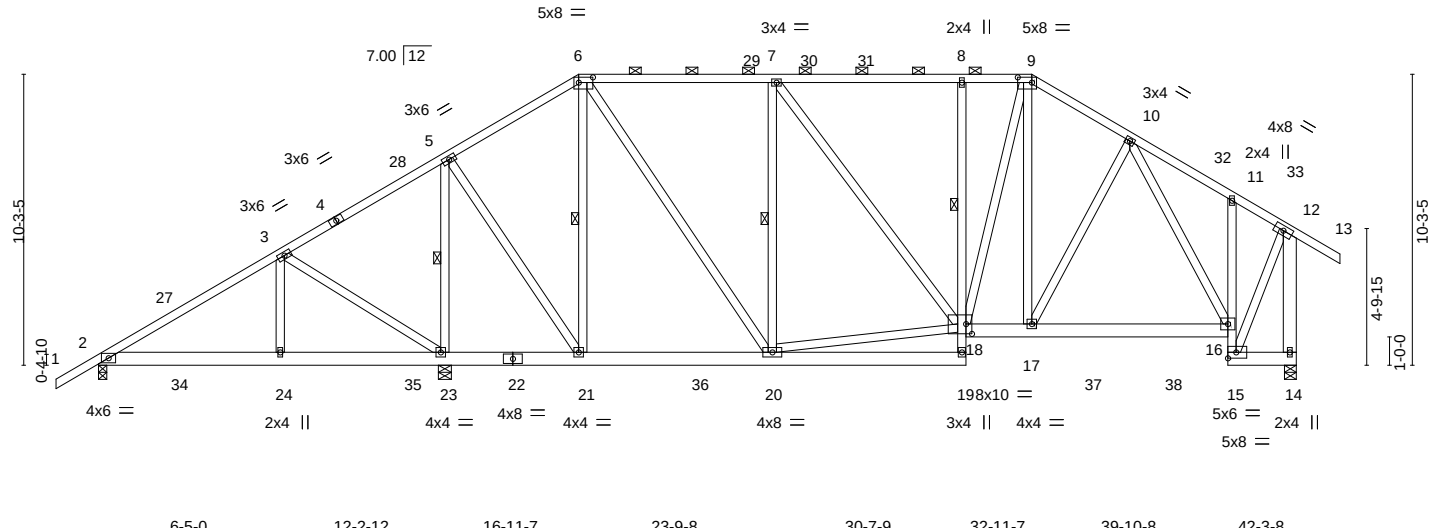

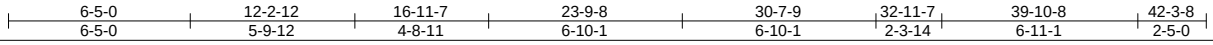

Plate Offsets (X,Y)-- [6:0-6-0,0-2-4], [9:0-6-0,0-2-4], [18:0-2-8,0-4-3]

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	0.52	Vert(LL)	-0.07	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.12	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.08	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 368 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
8-19,11-15: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
12-14: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-14 oc purlins, except end verticals, and 2-0-0 oc purlins (5-9-4 max.): 6-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 21-23
5-0-2 oc bracing: 15-16.
1 Row at midpt 8-18
WEBS 1 Row at midpt 5-23, 6-21, 7-20

REACTIONS. (size) 2=0-3-8, 14=0-5-0, 23=0-5-8
Max Horz 2=300(LC 11)
Max Uplift 2=-110(LC 12), 14=-290(LC 13), 23=-415(LC 12)
Max Grav 2=468(LC 23), 14=1268(LC 2), 23=1883(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-430/261, 3-5=-130/269, 5-6=-554/192, 6-7=-835/254, 7-8=-917/307, 8-9=-916/306, 9-10=-1036/307, 10-11=-581/196, 11-12=-538/136, 12-14=-1323/310
BOT CHORD 2-24=-230/373, 23-24=-230/373, 20-21=-151/420, 8-18=-277/146, 17-18=-153/858, 16-17=-162/763, 15-16=-782/170
WEBS 3-24=-232/274, 3-23=-513/338, 5-23=-1393/331, 5-21=-160/1001, 6-21=-612/173, 6-20=-199/742, 7-20=-514/217, 18-20=-194/666, 9-18=-172/324, 9-17=-46/281, 10-17=-101/253, 10-16=-670/114, 12-15=-196/995

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-8-12, Interior(1) 2-8-12 to 16-11-7, Exterior(2R) 16-11-7 to 22-11-3, Interior(1) 22-11-3 to 32-11-7, Exterior(2R) 32-11-7 to 38-11-3, Interior(1) 38-11-3 to 43-10-0 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 100 lb uplift at joint(s) except (jt=lb) 2=110, 14=290, 23=415.
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:

August 3,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T17	Common	1	1	T24891423
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:40 2021 Page 1
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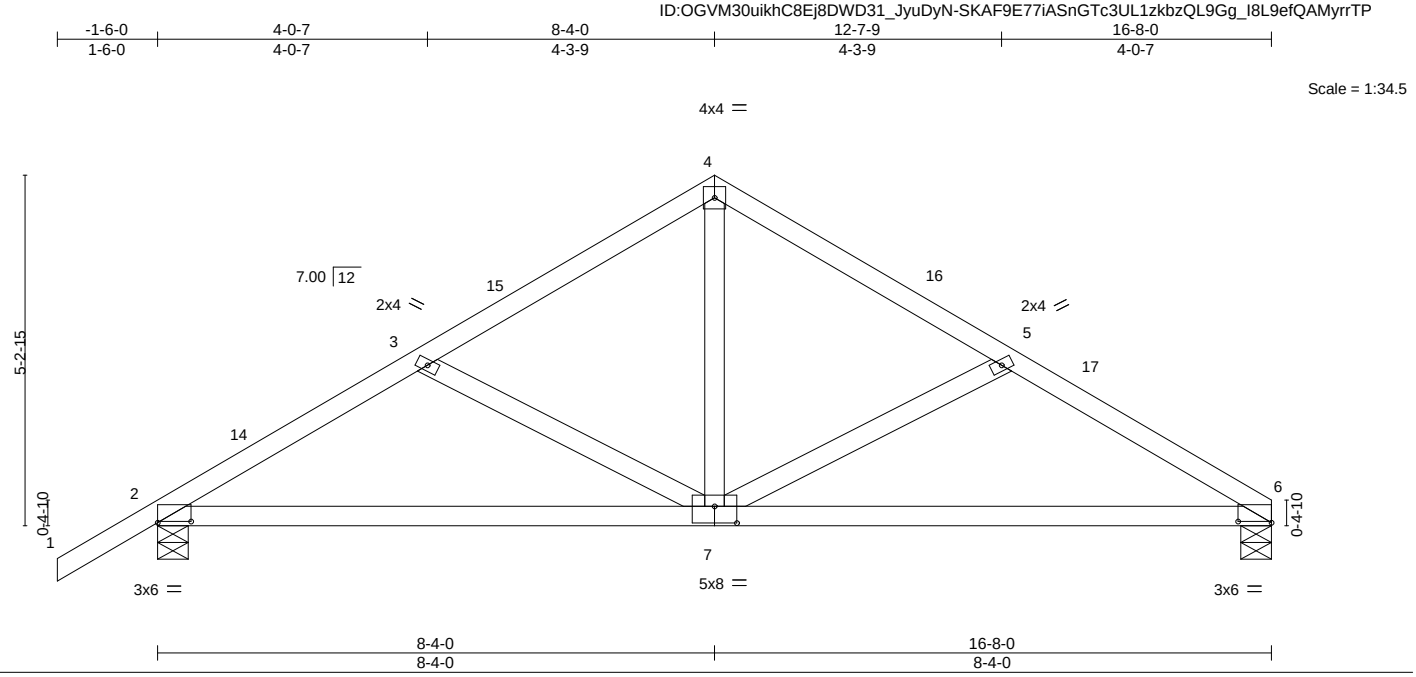

Plate Offsets (X,Y)-- [2:0-6-0,0-0-3], [6:0-6-0,0-0-3], [7:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.08	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.16	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 78 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-5-8, 2=0-5-8
Max Horz 2=123(LC 9)
Max Uplift 6=-131(LC 13), 2=-167(LC 12)
Max Grav 6=613(LC 1), 2=701(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-923/224, 3-4=-702/173, 4-5=-703/180, 5-6=-932/230
BOT CHORD 2-7=-207/777, 6-7=-157/792
WEBS 4-7=-71/462, 5-7=-293/176, 3-7=-278/167

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 8-4-0, Exterior(2R) 8-4-0 to 11-4-0, Interior(1) 11-4-0 to 16-8-0 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) 6=131, 2=167.

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Date:

August 3,2021

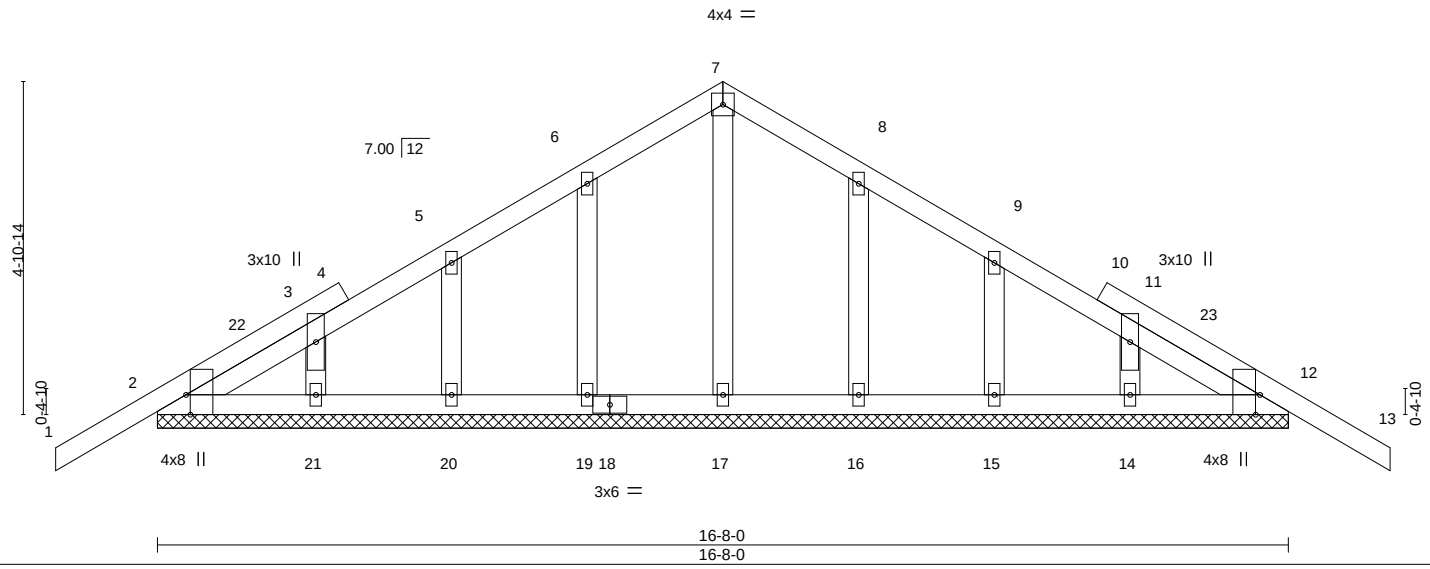
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T17G	Common Supported Gable	1	1	T24891424
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:41 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-wWkdNa8lTUaetcBG12YCHpWdqZkujnUUOIPzioyrrTO

-1-6-0 | 8-4-0 | 16-8-0 | 18-2-0
1-6-0 | 8-4-0 | 8-4-0 | 1-6-0

Scale = 1:34.0



16-8-0
16-8-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 91 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 16-8-0.
(lb) - Max Horz 2=-122(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 21, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 19, 20, 21, 16, 15, 14

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 8-4-0, Corner(3R) 8-4-0 to 11-4-0, Exterior(2N) 11-4-0 to 18-2-0 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, 12, 19, 20, 21, 16, 15, 14.

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Date:

August 3,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES. T24891425
2868120	T18	Roof Special	4	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:42 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-OiI?aw9OEoiVVmmSbm3Rq03mRzwQS7Yedy8WFFyrrTN

-1-6-0 | 1-11-4 | 3-5-8 | 8-4-0 | 13-2-8 | 14-8-12 | 16-8-0
1-6-0 | 1-11-4 | 1-6-4 | 4-10-8 | 4-10-8 | 1-6-4 | 1-11-4

Scale = 1:34.7

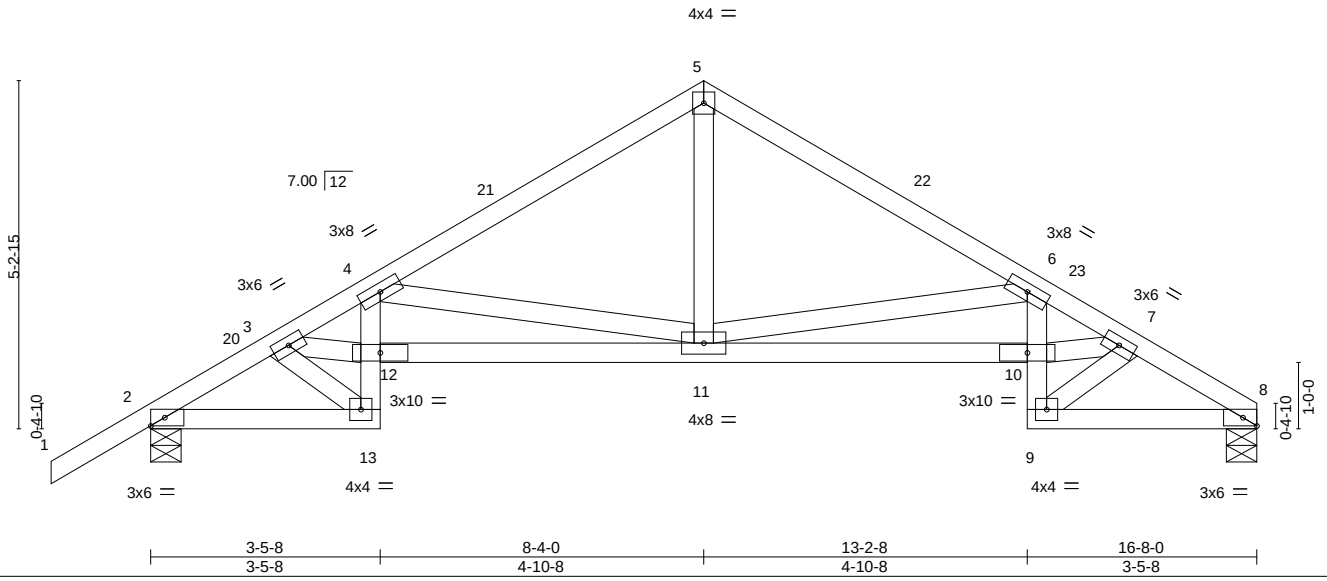

Plate Offsets (X,Y)-- [8:0-2-8,Edge]

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	0.27	Vert(LL)	-0.07	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.15	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 89 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 4-13,6-9: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-0-2 oc bracing.

REACTIONS. (size) 8=0-5-8, 2=0-5-8
Max Horz 2=123(LC 9)
Max Uplift 8=-131(LC 13), 2=-167(LC 12)
Max Grav 8=613(LC 1), 2=701(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-965/199, 3-4=-1681/387, 4-5=-861/192, 5-6=-861/198, 6-7=-1713/362, 7-8=-1004/222
BOT CHORD 2-13=-199/786, 12-13=-108/506, 4-12=-62/420, 11-12=-432/1614, 10-11=-323/1648, 9-10=-90/539, 6-10=-52/450, 8-9=-164/831
WEBS 5-11=-78/525, 6-11=-981/329, 7-10=-238/1316, 7-9=-828/156, 4-11=-976/356, 3-12=-324/1299, 3-13=-784/190

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 8-4-0, Exterior(2R) 8-4-0 to 11-4-0, Interior(1) 11-4-0 to 16-8-0 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) 8=131, 2=167.

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Date:

August 3,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T19	Half Hip Girder	1	2	T24891426
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:44 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-L5Qm?bAemPyDk4vqjA5vvR8?Nmb5wvZx4FddJ7yrrTL

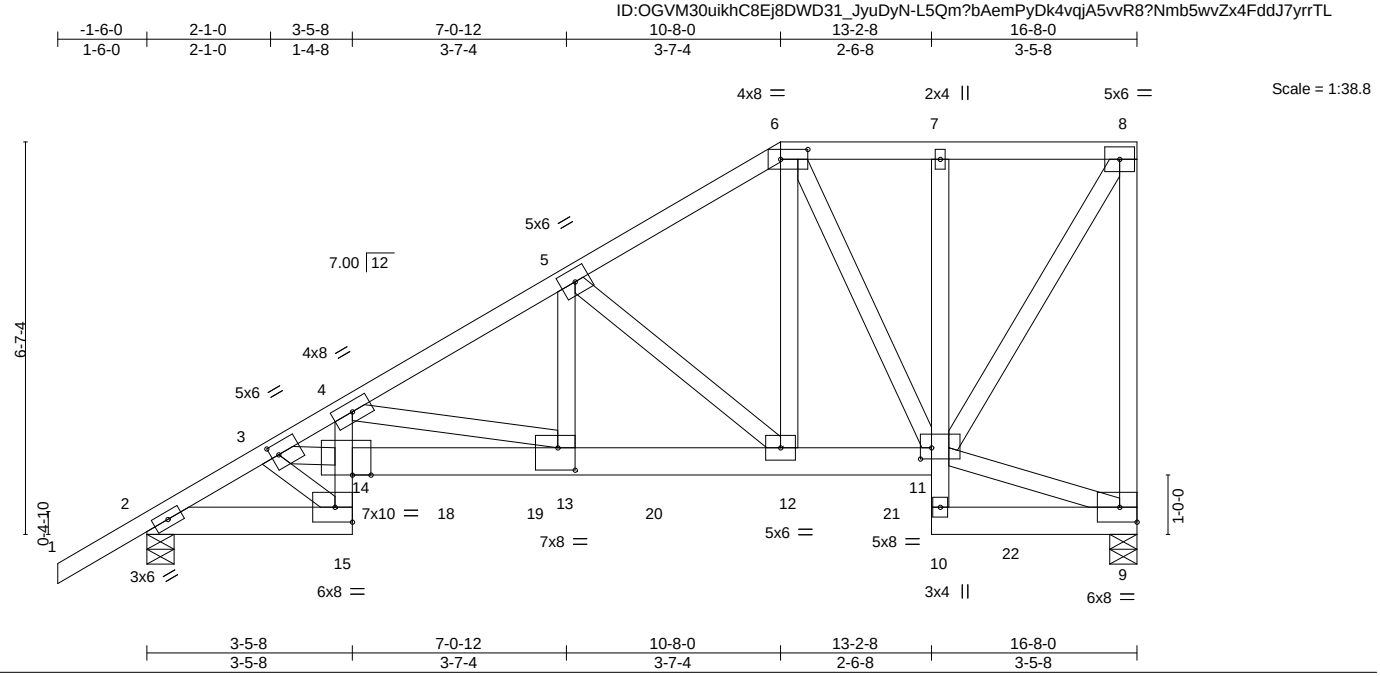

Plate Offsets (X,Y)-- [3:0-1-8,0-2-4], [6:0-5-8,0-2-0], [11:0-2-4,0-2-4], [13:0-3-8,0-4-8], [14:0-3-12,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.16	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.30	13-14	>663	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.16	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 273 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
4-15: 2x4 SP M 31, 11-14: 2x6 SP M 26, 7-10: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
3-14: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=0-5-8, 2=0-5-8
Max Horz 2=247(LC 8)
Max Uplift 9=-1011(LC 8), 2=-904(LC 8)
Max Grav 9=4139(LC 2), 2=3270(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6069/1657, 3-4=-11193/3259, 4-5=-6922/1857, 5-6=-3754/936, 6-7=-2224/562, 7-8=-2198/555, 8-9=-3688/932
BOT CHORD 2-15=-1573/5070, 14-15=-984/3194, 4-14=-1039/3264, 13-14=-3269/10539, 12-13=-1722/5979, 11-12=-859/3300, 10-11=-131/702
WEBS 3-15=-4583/1442, 3-14=-2520/8115, 4-13=-4749/1590, 5-13=-1071/3695, 5-12=-3679/1156, 6-12=-972/3859, 6-11=-2355/649, 8-11=-1066/4215

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 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
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) except (jt=lb) 9=1011, 2=904.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1356 lb down and 549 lb up at 5-0-12, 988 lb down and 218 lb up at 6-6-12, 1005 lb down and 222 lb up at 8-6-12, 1005 lb down and 222 lb up at 10-6-12, and 1005 lb down and 222 lb up at 12-6-12, and 1041 lb down and 234 lb up at 14-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

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Date:

August 3,2021

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LOAD CASE(S) Standard

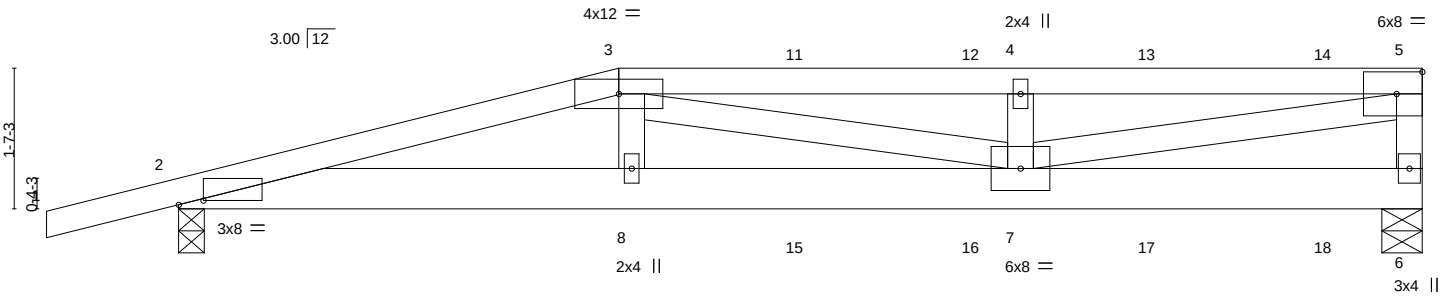
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-54, 6-8=-54, 2-15=-20, 11-14=-20, 9-10=-20
   Concentrated Loads (lb)
   Vert: 12=-918(F) 18=-1356(F) 19=-905(F) 20=-918(F) 21=-918(F) 22=-918(F)

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T20	Half Hip Girder	1	1	T24891427
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:45 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-pH_8CxBGXj44MEU1Guc8RfgDoA_afPG4JvNArayrrTK

-1-6-0 | 5-0-0 | 9-6-12 | 14-1-8
1-6-0 | 5-0-0 | 4-6-12 | 4-6-12

Scale = 1:26.2



5-0-0 | 9-6-12 | 14-1-8
5-0-0 | 4-6-12 | 4-6-12

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	0.14	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.20	7-8	>858	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 73 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-8-12 oc bracing.

REACTIONS. (size) 6=0-5-8, 2=0-3-8
Max Horz 2=63(LC 23)
Max Uplift 6=-452(LC 4), 2=-440(LC 4)
Max Grav 6=851(LC 1), 2=812(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2262/1179, 3-4=-2071/1100, 4-5=-2071/1100, 5-6=-709/377
BOT CHORD 2-8=-1157/2181, 7-8=-1175/2214
WEBS 3-8=-147/354, 4-7=-397/210, 5-7=-1057/1990

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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) 6=452, 2=440.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 75 lb down and 65 lb up at 5-0-0, 56 lb down and 65 lb up at 7-0-12, 56 lb down and 60 lb up at 9-0-12, and 56 lb down and 65 lb up at 11-0-12, and 59 lb down and 65 lb up at 13-0-12 on top chord, and 110 lb down and 116 lb up at 5-0-0, 45 lb down and 46 lb up at 7-0-12, 45 lb down and 46 lb up at 9-0-12, and 45 lb down and 46 lb up at 11-0-12, and 47 lb down and 46 lb up at 13-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 2-6=-20
Concentrated Loads (lb)
Vert: 3=-56(F) 8=-102(F) 11=-56(F) 12=-56(F) 13=-56(F) 14=-59(F) 15=-40(F) 16=-40(F) 17=-40(F) 18=-41(F)

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Date:

August 3,2021

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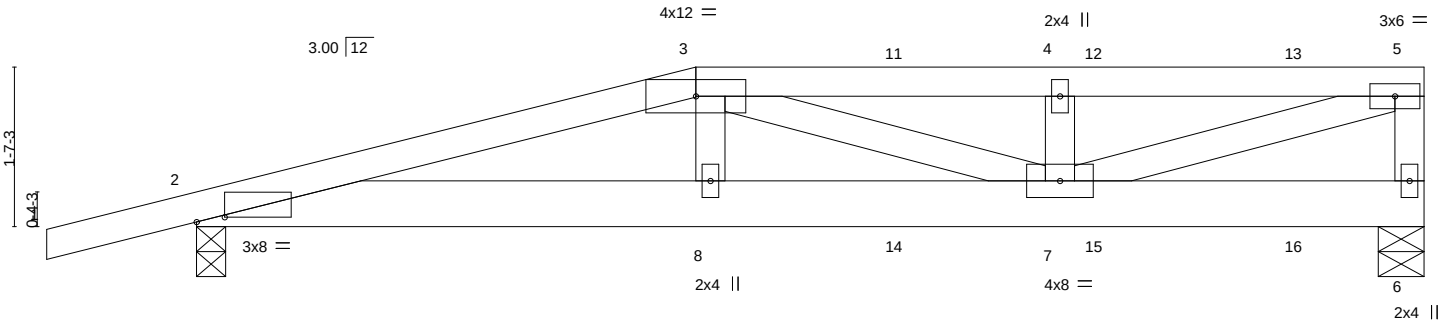
Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T21	Half Hip Girder	1	1	T24891428
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:46 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-HTYWQHCuI0Cx_O3Dqb7N_sDSJaL0OvlDYZ6kO0yrrTJ

-1-6-0 | 5-0-0 | 8-7-12 | 12-3-8
1-6-0 | 5-0-0 | 3-7-12 | 3-7-12

Scale = 1:23.1



5-0-0 | 8-7-12 | 12-3-8
5-0-0 | 3-7-12 | 3-7-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.08	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.11	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 63 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-7-7 oc bracing.

REACTIONS. (size) 6=0-5-8, 2=0-3-8
Max Horz 2=63(LC 23)
Max Uplift 6=-386(LC 4), 2=-381(LC 4)
Max Grav 6=727(LC 1), 2=701(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1787/927, 3-4=-1466/779, 4-5=-1466/779, 5-6=-614/326
BOT CHORD 2-8=-912/1718, 7-8=-928/1749
WEBS 3-8=-134/322, 3-7=-298/157, 4-7=-314/165, 5-7=-769/1449

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=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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) 6=386, 2=381.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 75 lb down and 65 lb up at 5-0-0, 56 lb down and 65 lb up at 7-0-12, and 56 lb down and 61 lb up at 9-0-12, and 56 lb down and 65 lb up at 11-0-12 on top chord, and 110 lb down and 116 lb up at 5-0-0, 45 lb down and 46 lb up at 7-0-12, and 45 lb down and 46 lb up at 9-0-12, and 45 lb down and 46 lb up at 11-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 2-6=-20
Concentrated Loads (lb)
Vert: 3=-56(B) 8=-102(B) 11=-56(B) 12=-56(B) 13=-56(B) 14=-40(B) 15=-40(B) 16=-40(B)

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Date:

August 3,2021

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T22	MONO TRUSS	16	1	T24891429
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:47 2021 Page 1
ID:OGVM30uikhC8Ej8DWD31_JyuDyN-lg6uddDW2KKobXePOJfcX4mad_jI7QnNmDsHwSyrrTI

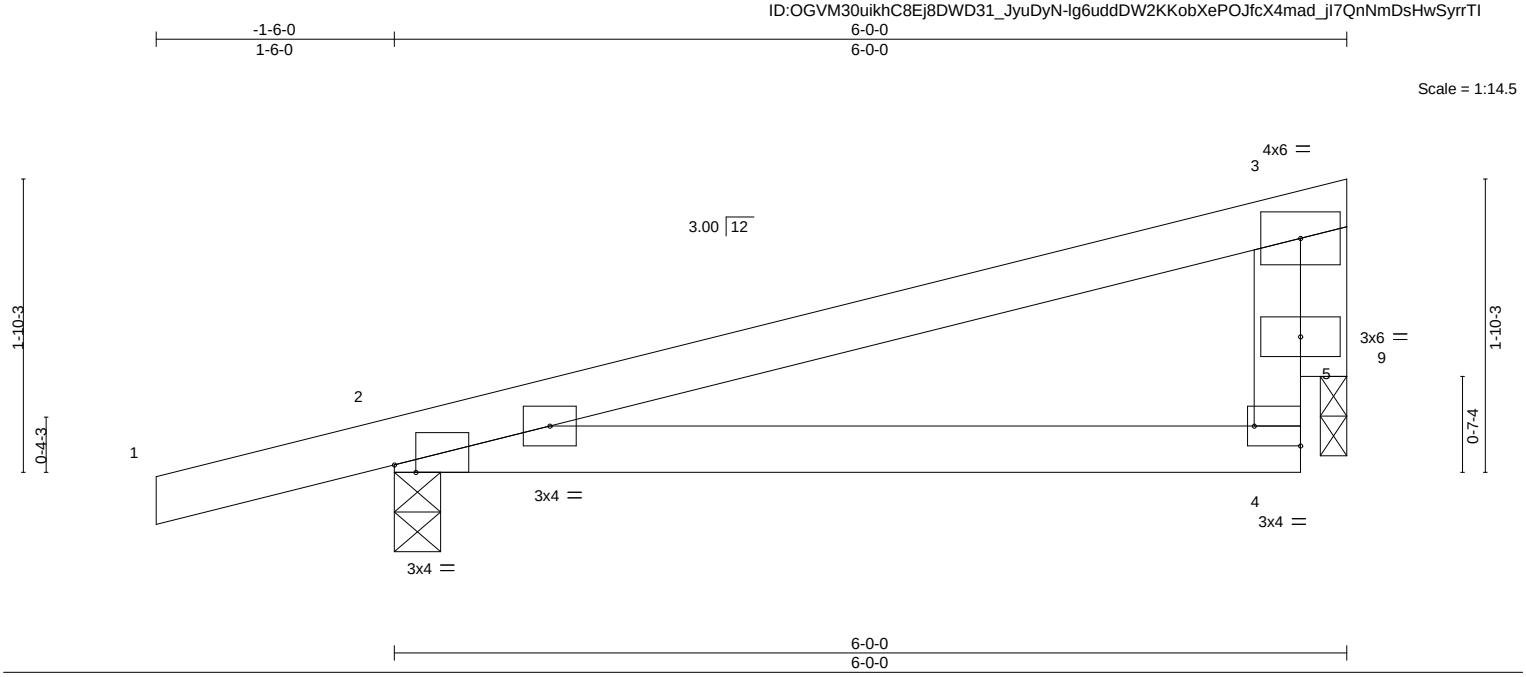

Plate Offsets (X,Y)-- [2:0-1-10,Edge], [4:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.06	4-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	0.05	4-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 23 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-4-12 oc bracing.

REACTIONS. (size) 2=0-3-8, 9=0-2-0
Max Horz 2=67(LC 8)
Max Uplift 2=-171(LC 8), 9=-97(LC 8)
Max Grav 2=309(LC 1), 9=183(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-223/308
BOT CHORD 2-4=-344/201

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 5-6-12 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) 9 except (jt=lb) 2=171.

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T23	KINGPOST	3	1	T24891430
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:47 2021 Page 1
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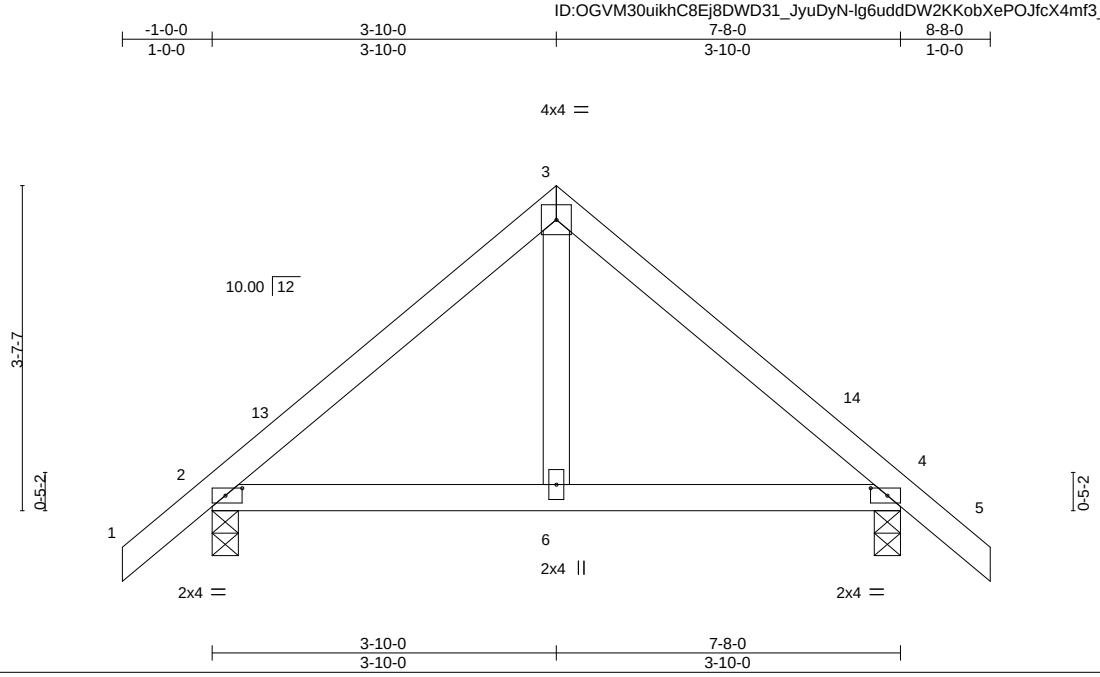

Plate Offsets (X,Y)-- [2:0-2-4,0-1-0], [4:0-2-4,0-1-0]

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	0.15	Vert(LL)	-0.01	6-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.01	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 35 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=91(LC 11)
Max Uplift 2=-78(LC 12), 4=-78(LC 13)
Max Grav 2=338(LC 1), 4=338(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-298/145, 3-4=-298/145

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=22ft; 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 3-10-0, Exterior(2R) 3-10-0 to 6-10-0, Interior(1) 6-10-0 to 8-8-0 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) 2, 4.

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	T23G	GABLE	1	1	T24891431
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:48 2021 Page 1
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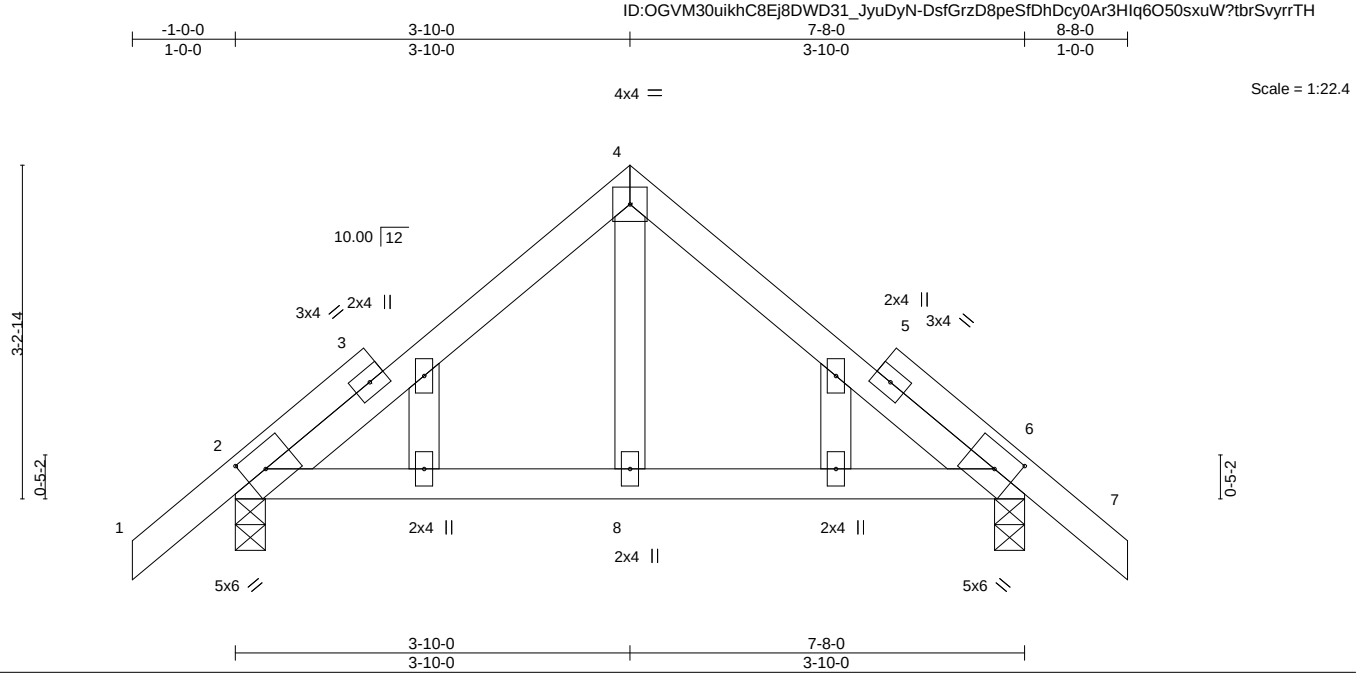

Plate Offsets (X,Y)-- [2:0-2-8,0-2-8], [6:0-2-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.01	8-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	8-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 41 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=83(LC 11)
Max Uplift 2=-81(LC 12), 6=-81(LC 13)
Max Grav 2=335(LC 1), 6=335(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-276/139, 4-6=-276/139

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=22ft; 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 3-10-0, Exterior(2R) 3-10-0 to 6-11-0, Interior(1) 6-11-0 to 8-8-0 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) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.

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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - HICKS RES.
2868120	TG01	Flat Girder	1	2	T24891432
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 2 15:33:49 2021 Page 1
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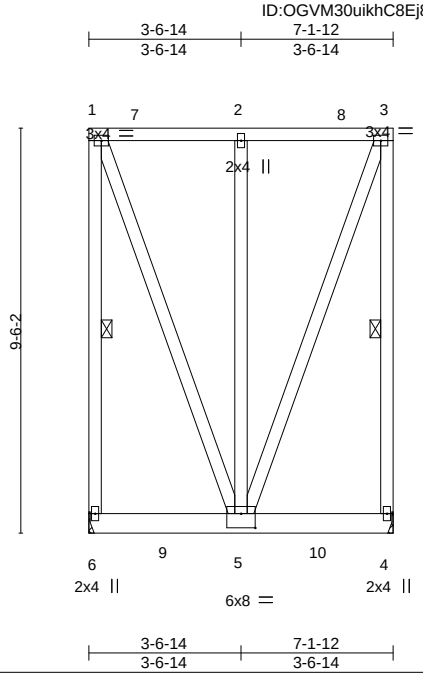

Plate Offsets (X,Y)-- [5:0-4-0,0-4-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.01	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.02	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 188 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 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

REACTIONS. (size) 6=Mechanical, 4=Mechanical
Max Uplift 6=-355(LC 4), 4=-357(LC 4)
Max Grav 6=1452(LC 2), 4=1469(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1097/285, 1-2=-390/94, 2-3=-390/94, 3-4=-1097/285
WEBS 1-5=-263/1095, 3-5=-263/1095

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=22ft; 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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=355, 4=357.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 816 lb down and 202 lb up at 1-9-10, and 816 lb down and 202 lb up at 3-6-14, and 850 lb down and 206 lb up at 5-4-2 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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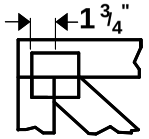
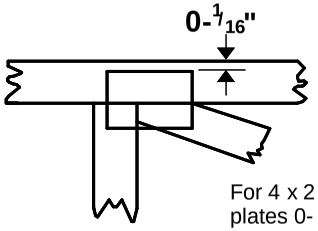
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 5=-722(B) 9=-722(B) 10=-725(B)

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.

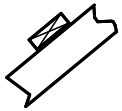
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

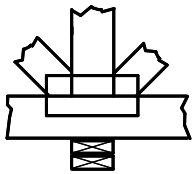
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

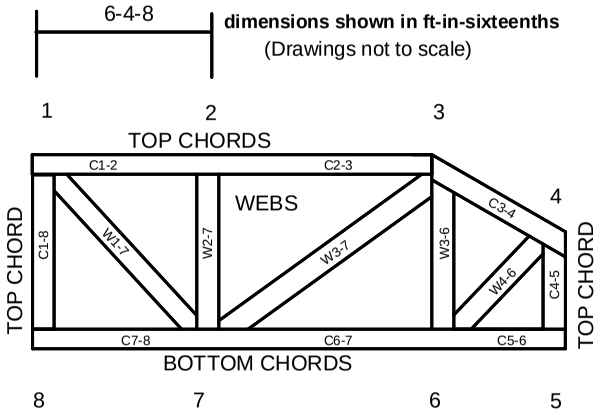


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.