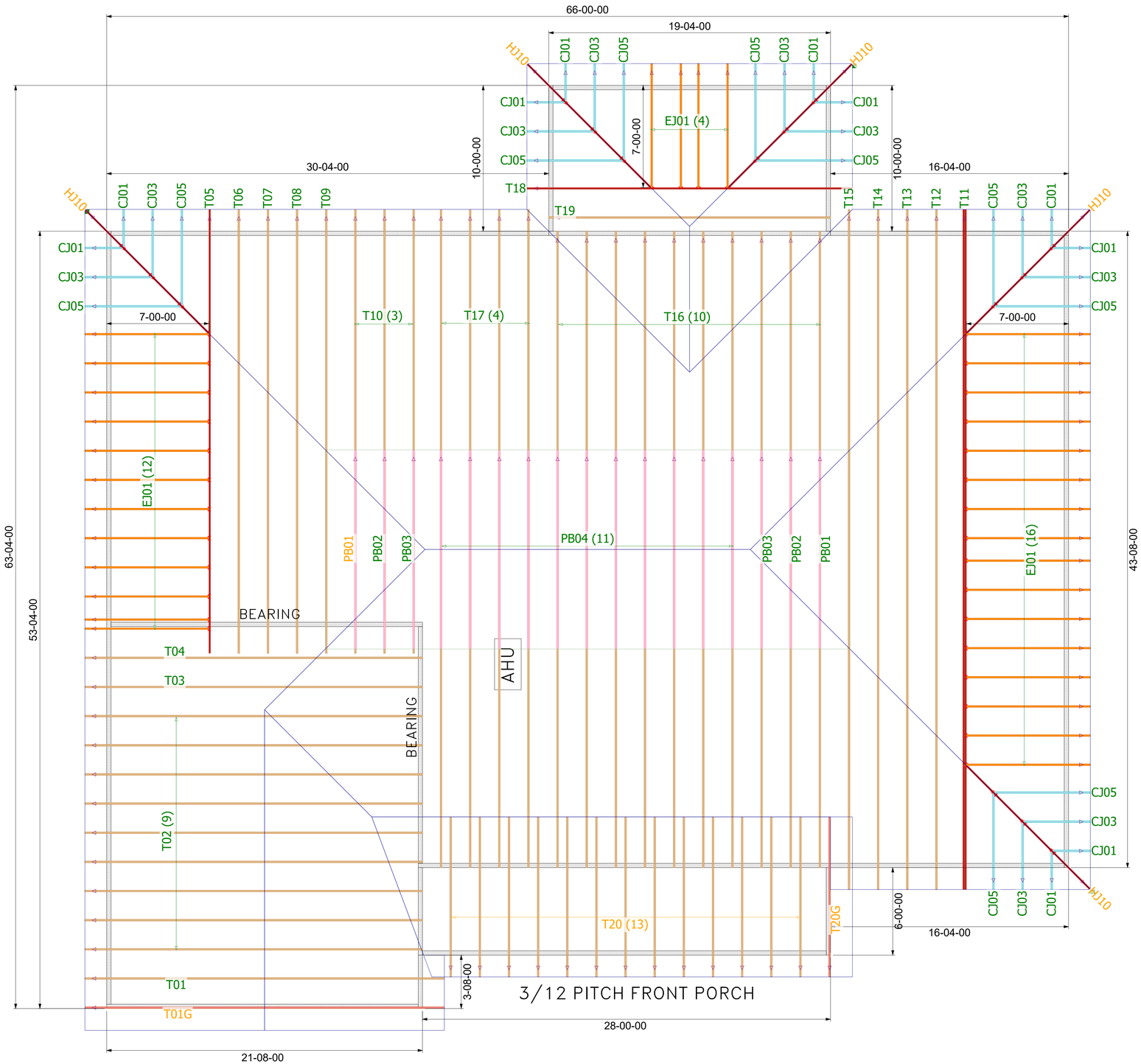
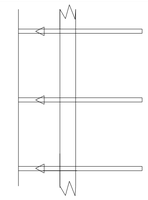
8/12 PITCH – 18" O/H



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:
Builder Name

Legal Address:
Address

Model:
Model

Date:	Drawn By:	Original Ref #:
Date	Initials	N/A
Floor 1 Job#	**Floor 2 Job#:**	**Roof Job #:**
N/A	N/A	N/A

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

RE: 3842092 - EXCEPTIONS - LOT 19 RW

MiTek, Inc.
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: EXCEPTIONS REALITY Project Name: Spec Hse Model: Custom
Lot/Block: 19 Subdivision: Russwodd
Address: TBD SW Scott Place, N/A
City: Columbai 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: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

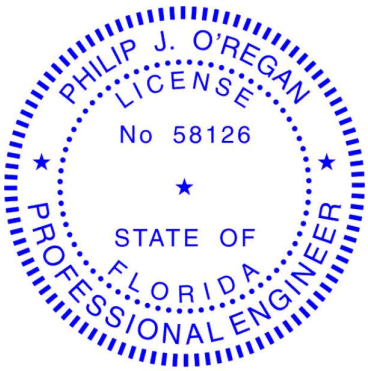
This package includes 31 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T32766493	CJ01	1/29/24	15	T32766507	T05	1/29/24
2	T32766494	CJ03	1/29/24	16	T32766508	T06	1/29/24
3	T32766495	CJ05	1/29/24	17	T32766509	T07	1/29/24
4	T32766496	EJ01	1/29/24	18	T32766510	T08	1/29/24
5	T32766497	HJ10	1/29/24	19	T32766511	T09	1/29/24
6	T32766498	PB01	1/29/24	20	T32766512	T10	1/29/24
7	T32766499	PB02	1/29/24	21	T32766513	T11	1/29/24
8	T32766500	PB03	1/29/24	22	T32766514	T12	1/29/24
9	T32766501	PB04	1/29/24	23	T32766515	T13	1/29/24
10	T32766502	T01	1/29/24	24	T32766516	T14	1/29/24
11	T32766503	T01G	1/29/24	25	T32766517	T15	1/29/24
12	T32766504	T02	1/29/24	26	T32766518	T16	1/29/24
13	T32766505	T03	1/29/24	27	T32766519	T17	1/29/24
14	T32766506	T04	1/29/24	28	T32766520	T18	1/29/24

This item has been digitally signed and sealed by ORegan, Philip, PE on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

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, 2025.



Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

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.

January 29,2024

RE: 3842092 - EXCEPTIONS - LOT 19 RW

MiTek, Inc.
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: EXCEPTIONS REALITY Project Name: Spec Hse Model: Custom
Lot/Block: 19 Subdivision: Russwodd
Address: TBD SW Scott Place, N/A
City: Columbai Cty State: FL

No.	Seal#	Truss Name	Date
29	T32766521	T19	1/29/24
30	T32766522	T20	1/29/24
31	T32766523	T20G	1/29/24

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	CJ01	Jack-Open	10	1	T32766493
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:26 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-HRMM5eMMzs_GHxERYSp7VUgA_nRwp2Iw0_LbAPzrSgB

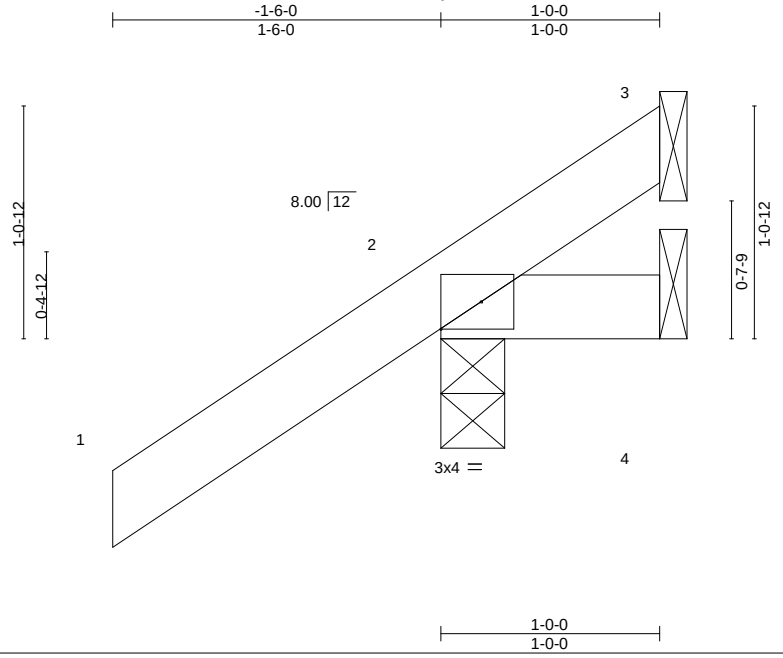


Plate Offsets (X,Y)-- [2:Edge,0-1-8]

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	0.21	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=58(LC 12)
Max Uplift 3=-5(LC 1), 2=-81(LC 12), 4=-23(LC 19)
Max Grav 3=8(LC 16), 2=179(LC 1), 4=24(LC 16)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 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 5 lb uplift at joint 3, 81 lb uplift at joint 2 and 23 lb uplift at joint 4.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. 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 Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	CJ03	Jack-Open	10	1	T32766494
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:28 2024 Page 1
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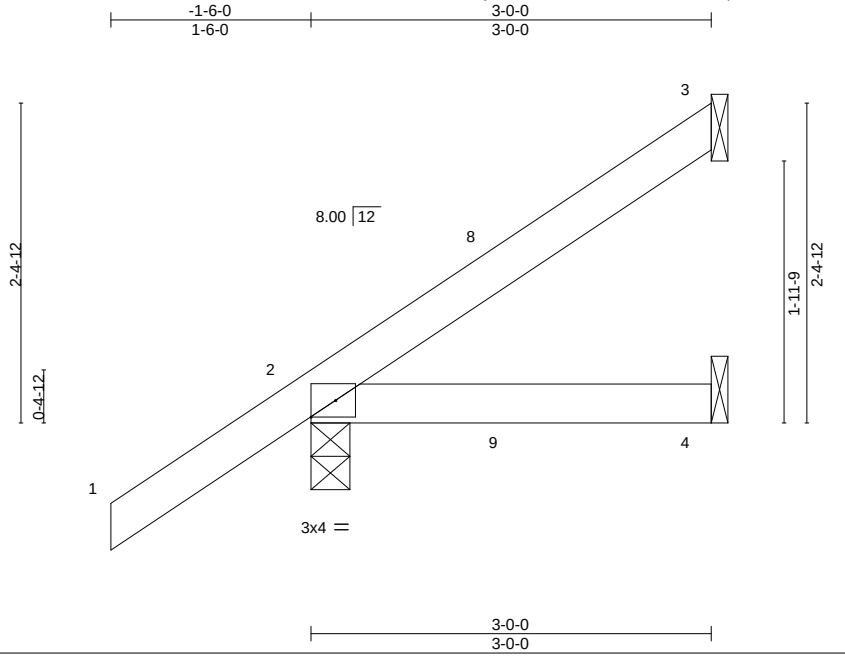

Plate Offsets (X,Y)-- [2:Edge,0-1-8]

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	0.21	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 FBC2023/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=109(LC 12)
Max Uplift 3=-50(LC 12), 2=-60(LC 12), 4=-19(LC 9)
Max Grav 3=64(LC 19), 2=210(LC 1), 4=51(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 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 50 lb uplift at joint 3, 60 lb uplift at joint 2 and 19 lb uplift at joint 4.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. 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 Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	CJ05	Jack-Open	10	1	T32766495
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:29 2024 Page 1
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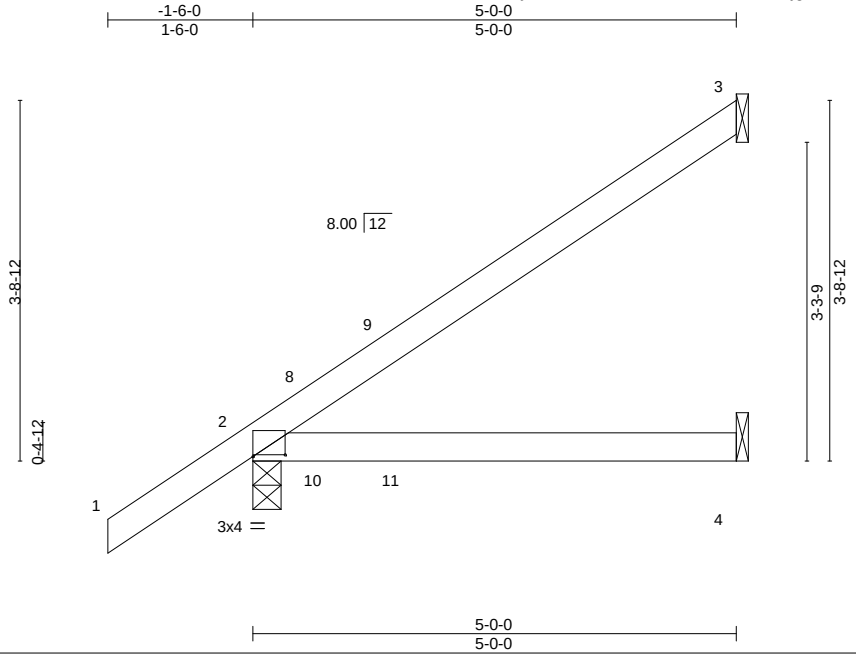

Plate Offsets (X,Y)-- [2:0-4-0,0-0-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	0.06	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.06	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 FBC2023/TPI2014		Matrix-MP							Weight: 19 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=160(LC 12)
Max Uplift 3=-93(LC 12), 2=-61(LC 12), 4=-35(LC 9)
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 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 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 93 lb uplift at joint 3, 61 lb uplift at joint 2 and 35 lb uplift at joint 4.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. 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 Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	EJ01	Jack-Partial	32	1	T32766496
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:30 2024 Page 1
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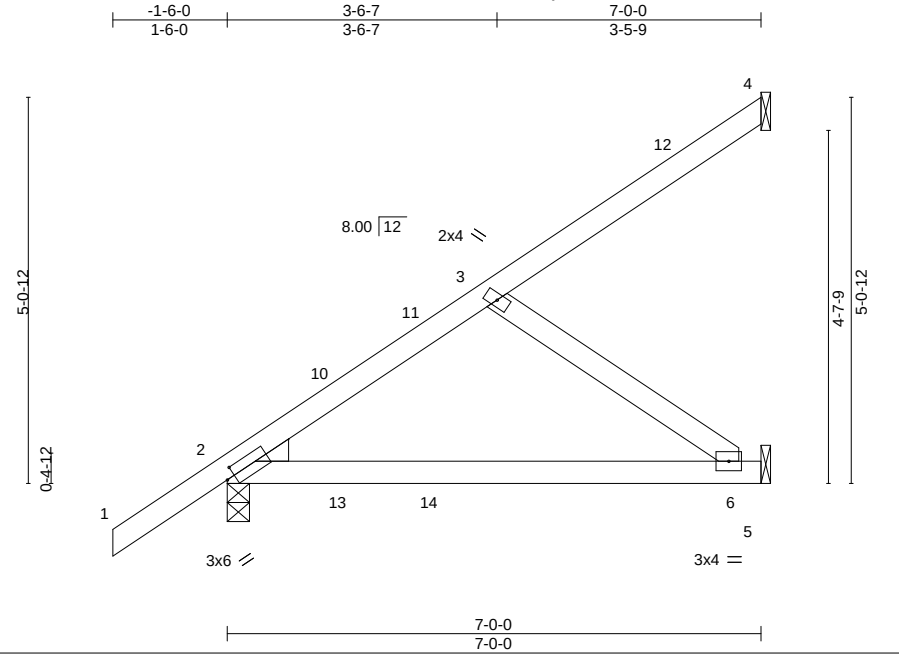

Plate Offsets (X,Y)-- [2:0-1-5,0-1-8]

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	0.35	Vert(LL)	-0.08	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.16	6-9	>529	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2023/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
WEDGE
Left: 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=0-3-8, 5=Mechanical
Max Horz 2=204(LC 12)
Max Uplift 4=-55(LC 12), 2=-69(LC 12), 5=-93(LC 9)
Max Grav 4=82(LC 19), 2=346(LC 1), 5=176(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-218/255

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 6-11-4 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 55 lb uplift at joint 4, 69 lb uplift at joint 2 and 93 lb uplift at joint 5.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. 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 Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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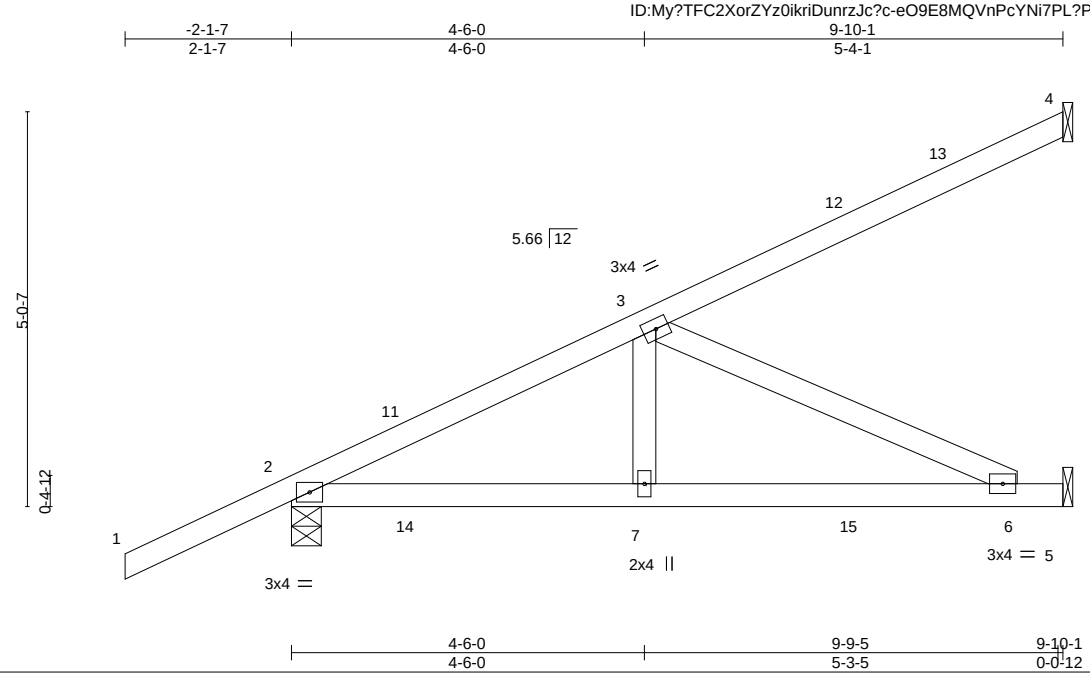
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	HJ10	Diagonal Hip Girder	5	1	T32766497
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:31 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-eO9E8MQVnPcYNi7PL?PICYOxio?fUEDf9G2LrdzrSg6



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	0.59	Vert(LL)	0.11	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.14	6-7	>836	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 45 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-1-14 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=204(LC 8)
Max Uplift 4=-110(LC 8), 2=-281(LC 8), 5=-220(LC 5)
Max Grav 4=150(LC 1), 2=526(LC 1), 5=298(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-654/383
BOT CHORD 2-7=-448/556, 6-7=-448/556
WEBS 3-7=-128/302, 3-6=-613/494

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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 110 lb uplift at joint 4, 281 lb uplift at joint 2 and 220 lb uplift at joint 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 67 lb down and 74 lb up at 1-6-1, 67 lb down and 74 lb up at 1-6-1, 84 lb down and 55 lb up at 4-4-0, 84 lb down and 55 lb up at 4-4-0, and 113 lb down and 103 lb up at 7-1-15, and 113 lb down and 103 lb up at 7-1-15 on top chord, and 49 lb down and 51 lb up at 1-6-1, 49 lb down and 51 lb up at 1-6-1, 20 lb down and 27 lb up at 4-4-0, 20 lb down and 27 lb up at 4-4-0, and 41 lb down and 50 lb up at 7-1-15, and 41 lb down and 50 lb up at 7-1-15 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: 7=-4(F=-2, B=-2) 12=-73(F=-36, B=-36) 15=-59(F=-29, B=-29)

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. 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 Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	PB01	GABLE	2	1	T32766498
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:33 2024 Page 1
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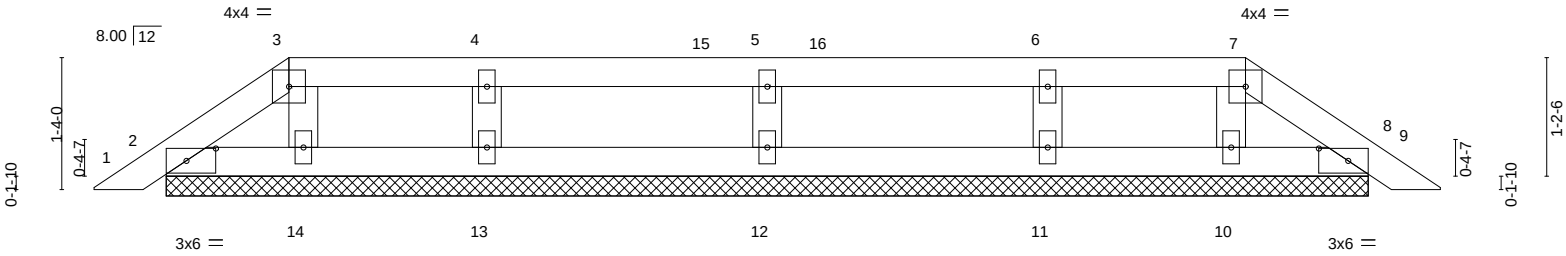
13-8-0
13-8-0

Scale = 1:23.3



13-8-0
13-8-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	0.00	8	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	8	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 FBC2023/TPI2014		Matrix-S							Weight: 44 lb	FT = 20%

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

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

REACTIONS. All bearings 12-1-12.
(lb) - Max Horz 2=-29(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 12, 11, 13, 14, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 11, 13, 14, 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 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-3-5 to 2-0-0, Zone2 2-0-0 to 6-2-15, Zone1 6-2-15 to 11-8-0, Zone3 11-8-0 to 13-4-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 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, 8, 12, 11, 13, 14, 10.
12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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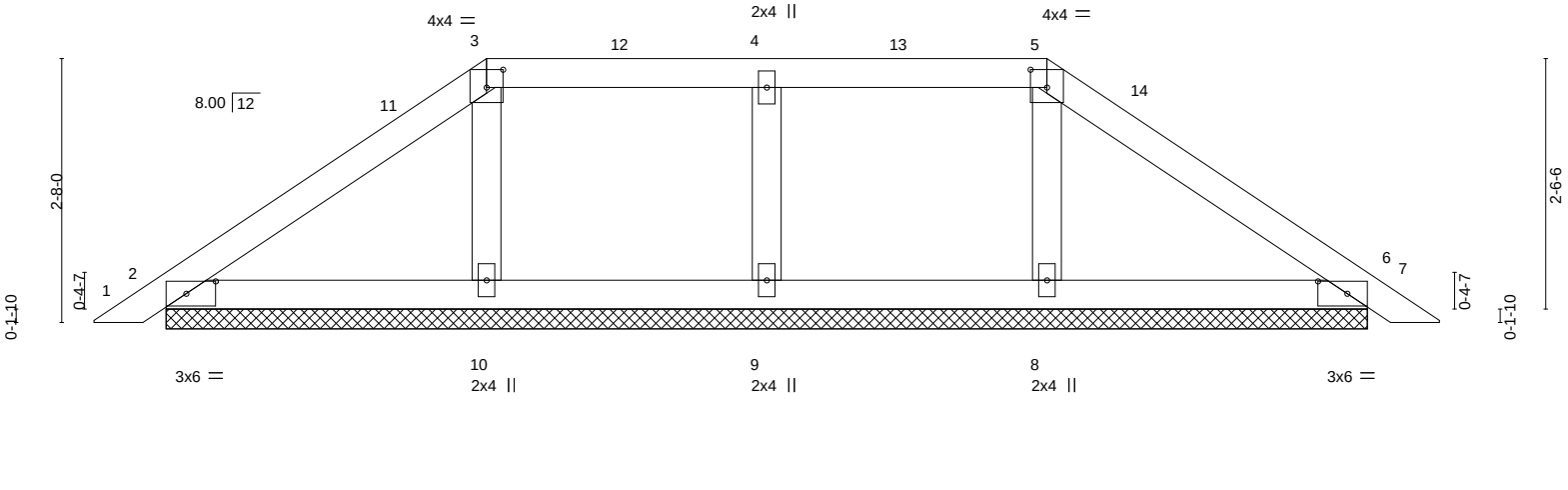
Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	PB02	GABLE	2	1	T32766499
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:34 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-2zrNmOSN4K_7FArz08z?qA0aY09Nhgl6sEH0SyzrSg3

4-0-0 | 9-8-0 | 13-8-0
4-0-0 | 5-8-0 | 4-0-0

Scale = 1:23.3



13-8-0
13-8-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 49 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 12-1-12.
(lb) - Max Horz 2=-62(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 9, 8, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 8, 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 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 4-0-0, Zone2 4-0-0 to 8-2-15, Zone1 8-2-15 to 9-8-0, Zone3 9-8-0 to 13-4-11 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) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 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, 6, 9, 8, 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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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	PB03	GABLE	2	1	T32766500
					Job Reference (optional)

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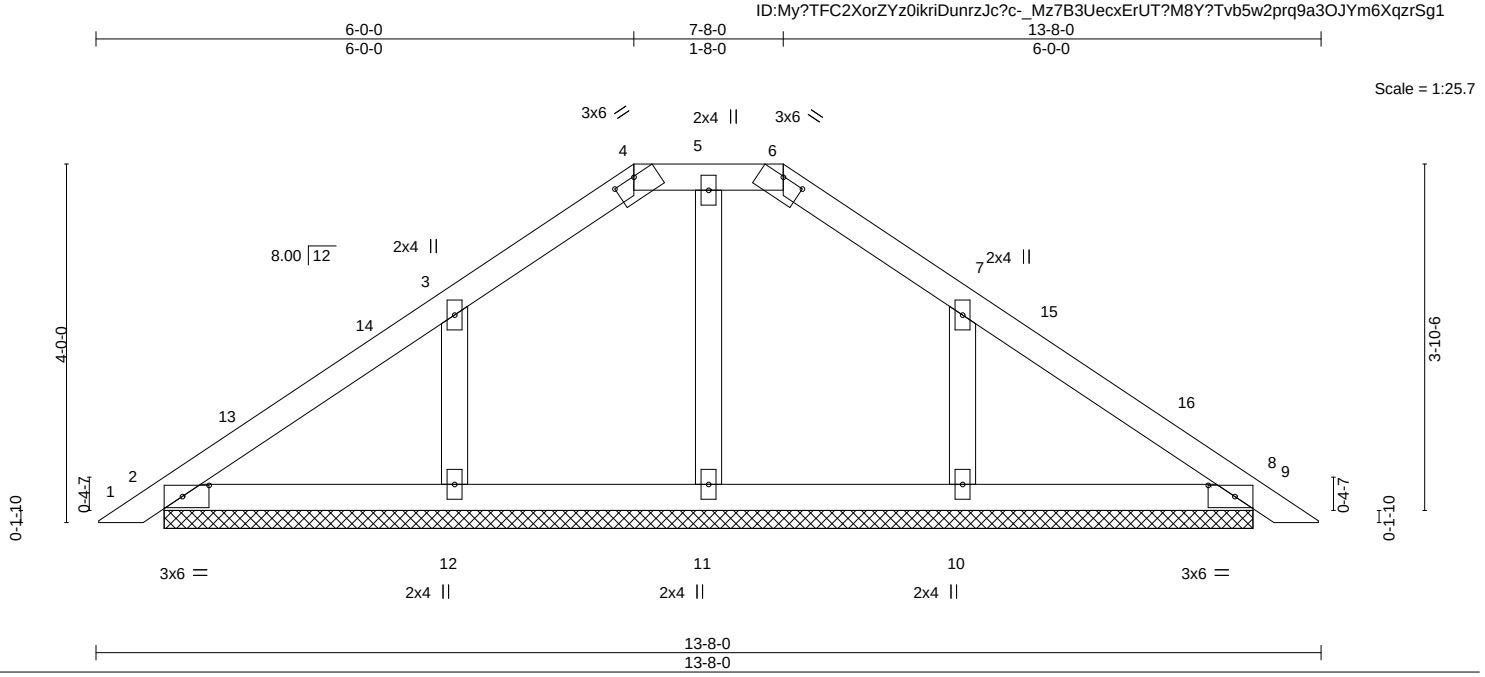

Plate Offsets (X,Y)-- [2:0-3-9,0-1-8], [4:0-3-0,0-0-2], [6:0-3-0,0-0-2], [8:0-3-9,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	0.00	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 53 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 12-1-12.
(lb) - Max Horz 2=-95(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 11 except 10=-141(LC 13), 12=-143(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11 except 10=274(LC 20), 12=276(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 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 6-0-0, Zone3 6-0-0 to 7-8-0, Zone2 7-8-0 to 11-10-15, Zone1 11-10-15 to 13-4-11 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) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 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, 11 except (jt=lb) 10=141, 12=143.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	PB04	Piggyback	11	1	T32766501
					Job Reference (optional)

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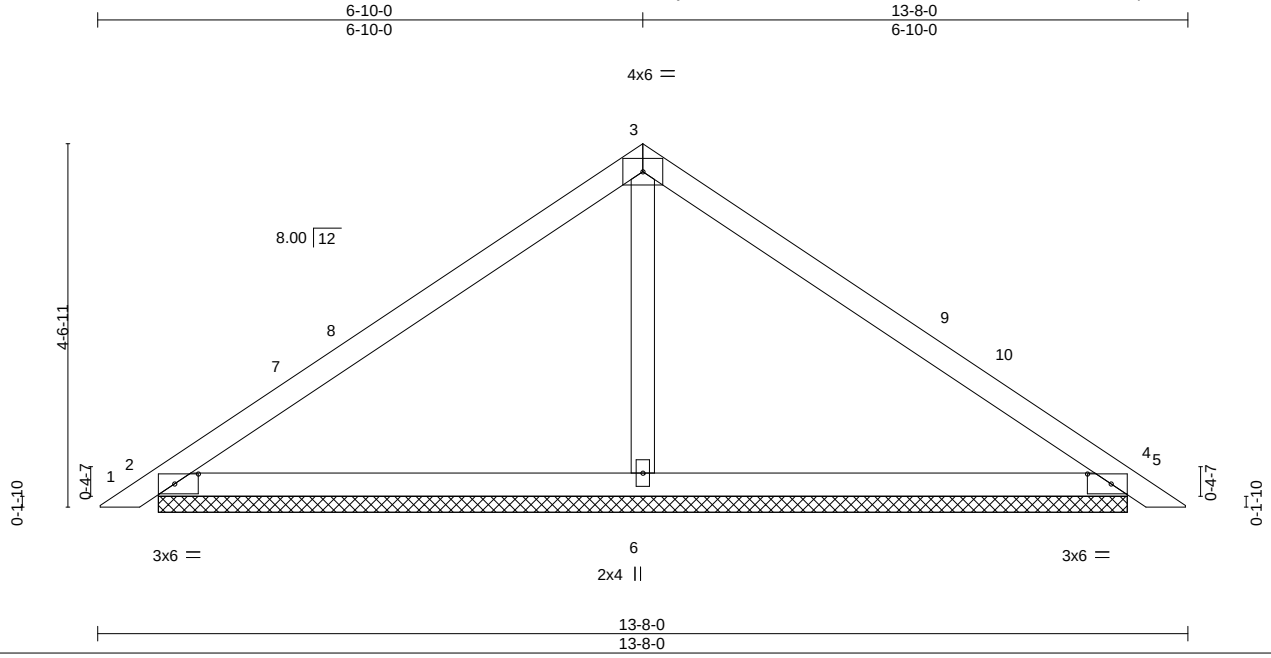

Plate Offsets (X,Y)-- [2:0-3-9,0-1-8], [4:0-3-9,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	0.02	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	0.03	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 48 lb	FT = 20%

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

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

REACTIONS. (size) 2=12-1-12, 4=12-1-12, 6=12-1-12
Max Horz 2=-108(LC 10)
Max Uplift 2=-82(LC 12), 4=-96(LC 13), 6=-81(LC 12)
Max Grav 2=246(LC 1), 4=246(LC 1), 6=459(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-275/126

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 6-10-0, Zone2 6-10-0 to 11-0-15, Zone1 11-0-15 to 13-4-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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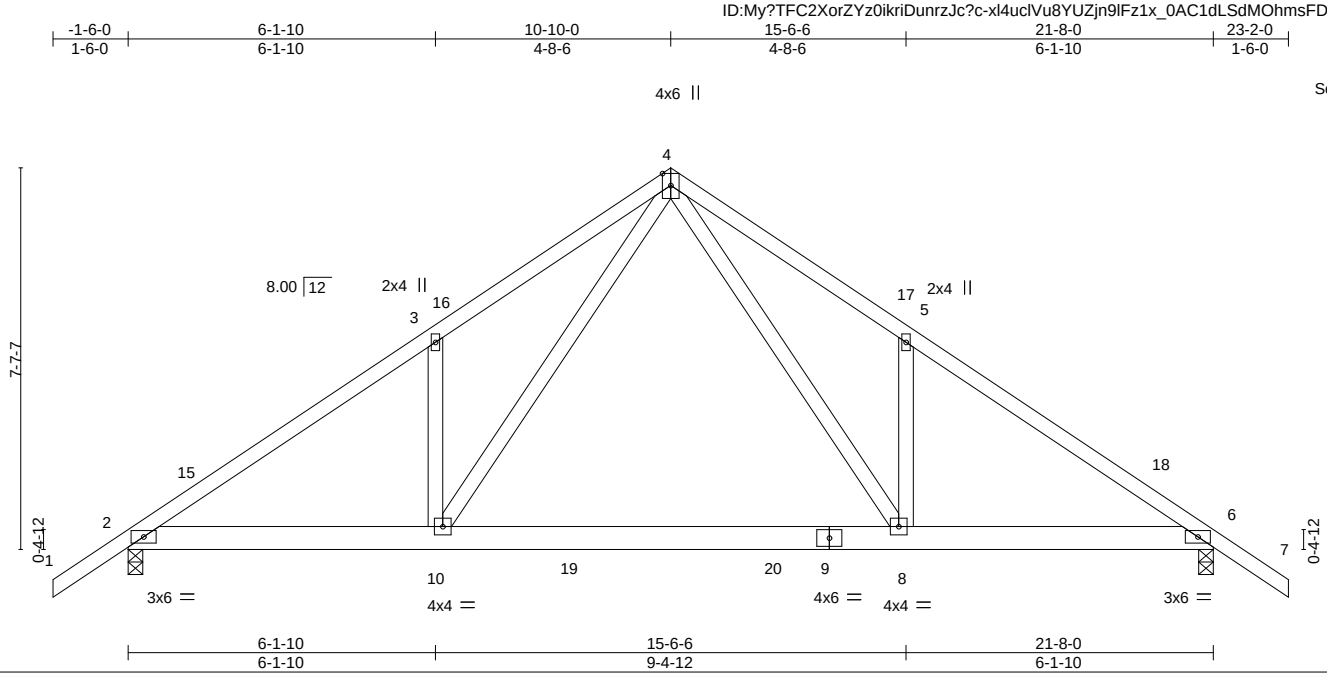
Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T01	Common	1	1	T32766502
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:38 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-xl4uclVu8YUZjn9lFz1x_0AC1dLSdMOhmsFDbjzrSg?



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	0.33	Vert(LL)	-0.18	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.34	8-10	>759	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 131 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 4-0-11 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=-203(LC 10)
Max Uplift 2=-328(LC 12), 6=-328(LC 13)
Max Grav 2=1287(LC 19), 6=1287(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1951/453, 3-4=-1989/621, 4-5=-1989/621, 5-6=-1951/453
BOT CHORD 2-10=-385/1688, 8-10=-161/1021, 6-8=-284/1576
WEBS 4-8=-410/1224, 5-8=-312/262, 4-10=-410/1224, 3-10=-312/262

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 10-10-0, Zone2 10-10-0 to 15-0-15, Zone1 15-0-15 to 23-2-0 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=328, 6=328.
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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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T01G	Common Supported Gable	1	1	T32766503
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:40 2024 Page 1
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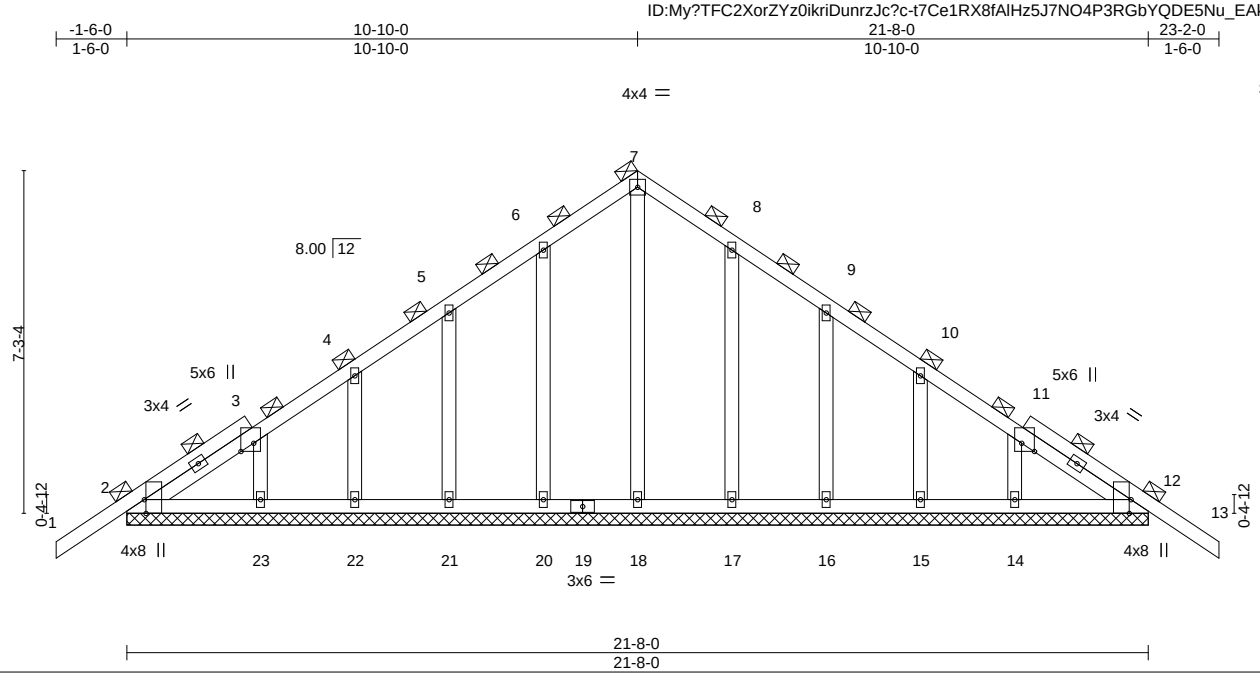

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-2-1,0-3-4], [11:0-2-1,0-3-4], [12:0-3-8,Edge]

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	0.14	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 135 lb	FT = 20%

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

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 21-8-0.
(lb) - Max Horz 2=195(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 20, 21, 22, 23, 17, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 18, 20, 21, 22, 23, 17, 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 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 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, 20, 21, 22, 23, 17, 16, 15, 14.
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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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T02	Common	9	1	T32766504
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:41 2024 Page 1
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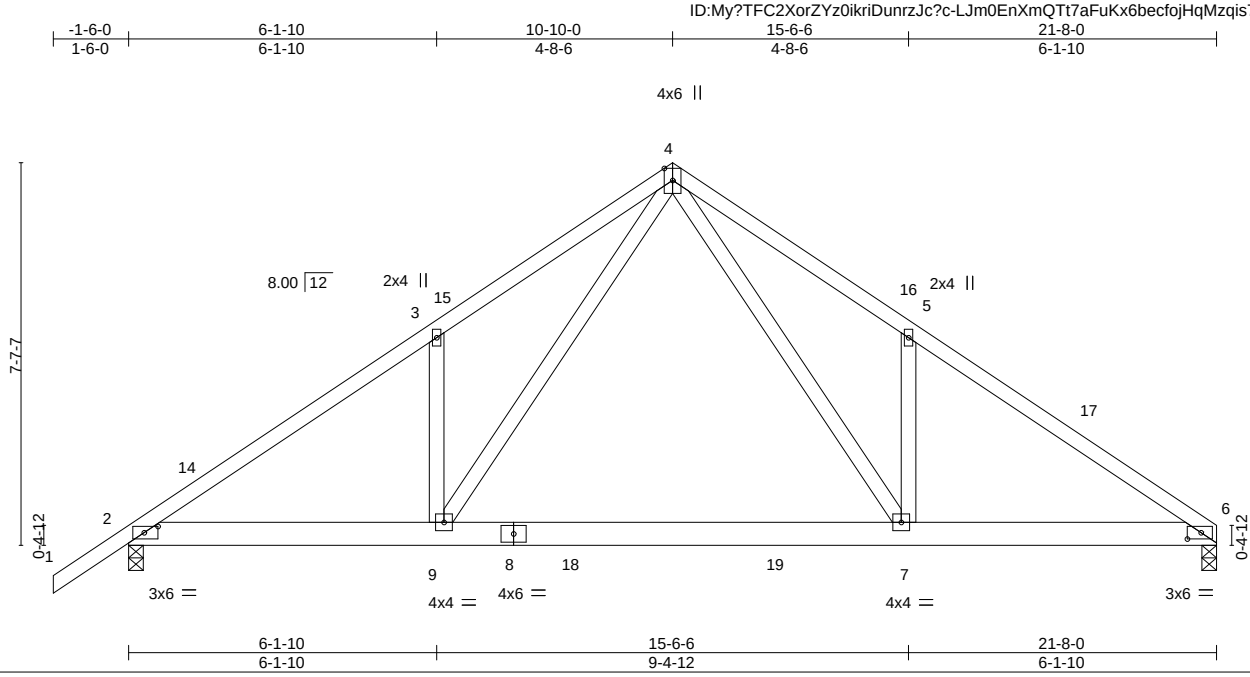

Plate Offsets (X,Y)-- [2:0-3-5,0-1-8], [6:0-3-5,0-1-8]

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	0.33	Vert(LL)	-0.18	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.34	7-9	>761	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 128 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 4-0-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=195(LC 11)
Max Uplift 6=-289(LC 13), 2=-328(LC 12)
Max Grav 6=1209(LC 20), 2=1289(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1953/455, 3-4=-1992/622, 4-5=-2006/633, 5-6=-1966/465
BOT CHORD 2-9=-403/1678, 7-9=-179/1011, 6-7=-305/1571
WEBS 4-7=-423/1241, 5-7=-315/264, 4-9=-410/1223, 3-9=-312/262

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 10-10-0, Zone2 10-10-0 to 15-0-15, Zone1 15-0-15 to 21-8-0 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) 6=289, 2=328.
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, 4-6=-54, 2-9=-20, 7-9=-80(F=-60), 6-7=-20

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T03	Half Hip	1	1	T32766505
					Job Reference (optional)

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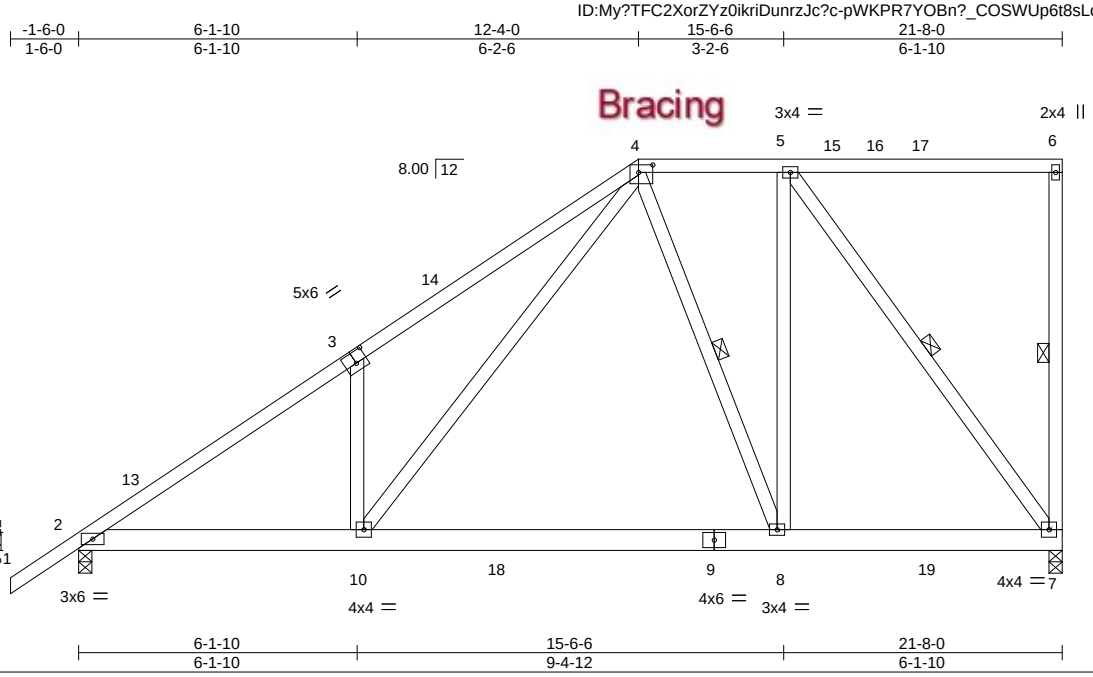

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [4:0-3-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.17	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.33	8-10	>791	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 160 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 3-5-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-4-12 oc bracing.
WEBS 1 Row at midpt 6-7, 4-8, 5-7

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=352(LC 12)
Max Uplift 7=-344(LC 12), 2=-322(LC 12)
Max Grav 7=1169(LC 2), 2=1288(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1953/449, 3-4=-2023/643, 4-5=-754/244
BOT CHORD 2-10=-604/1640, 8-10=-310/827, 7-8=-244/754
WEBS 3-10=-378/307, 4-10=-476/1337, 5-8=-225/928, 5-7=-1279/414

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 12-4-0, Zone2 12-4-0 to 16-6-15, Zone1 16-6-15 to 21-6-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=344, 2=322.
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, 4-6=-54, 2-10=-20, 8-10=-80(F=-60), 7-8=-20

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T04	Half Hip	1	1	T32766506
					Job Reference (optional)

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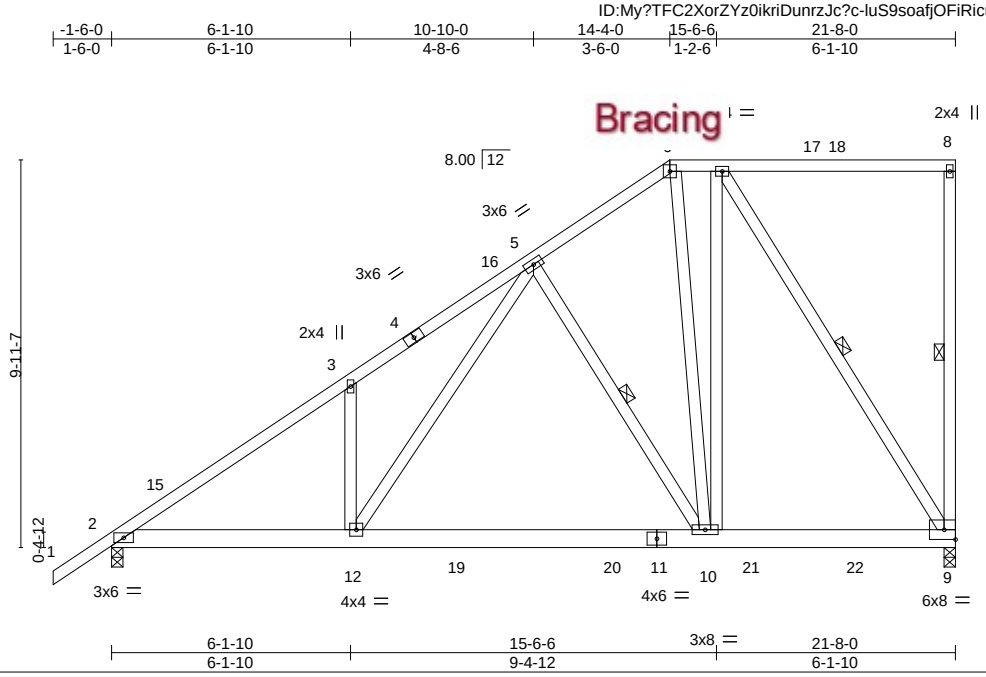

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.15	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.29	10-12	>890	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 177 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 4-1-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-3-0 oc bracing.
WEBS 1 Row at midpt 8-9, 5-10, 7-9

REACTIONS. (size) 9=0-3-8, 2=0-3-8
Max Horz 2=403(LC 12)
Max Uplift 9=-375(LC 12), 2=-302(LC 12)
Max Grav 9=1154(LC 2), 2=1297(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1952/406, 3-5=-1983/566, 5-6=-816/232, 6-7=-680/234
BOT CHORD 2-12=-610/1642, 10-12=-394/1001, 9-10=-228/655
WEBS 3-12=-300/250, 5-12=-396/1175, 5-10=-688/328, 6-10=-137/448, 7-10=-214/888, 7-9=-1231/428

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 14-4-0, Zone2 14-4-0 to 18-6-15, Zone1 18-6-15 to 21-6-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=375, 2=302.
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: 1-6=-54, 6-8=-54, 2-12=-20, 10-12=-80(F=-60), 9-10=-20

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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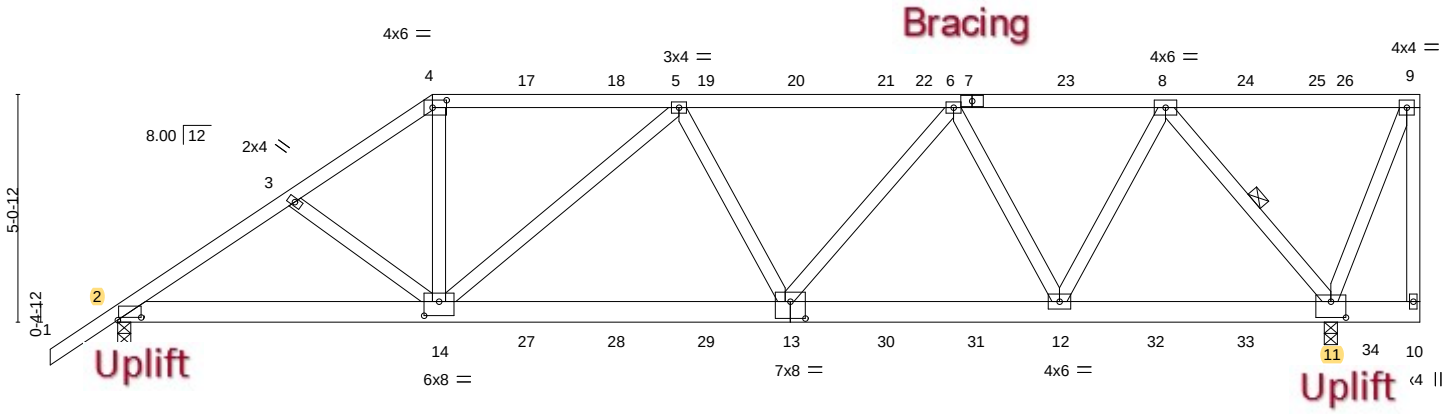
Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T05	Half Hip Girder	1	1	T32766507
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:46 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-iHZvHUbvF0VQh0mHjfApJiVWRr48VvCtc5BesFzrSft

-1-6-0	3-11-4	7-0-0	12-5-13	18-7-1	23-3-10	28-11-8
1-6-0	3-11-4	3-0-12	5-5-12	6-1-4	4-8-9	5-7-14

Scale = 1:51.2



7-0-0	14-10-2	20-11-5	27-1-8	28-11-8
7-0-0	7-10-2	6-1-3	6-2-3	1-10-0

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

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	0.56	Vert(LL)	0.21	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.28	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 190 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26 *Except*
10-13: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-8 oc bracing.
WEBS 1 Row at midpt 8-11

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=214(LC 29)
Max Uplift 2=-1007(LC 8), 11=-1413(LC 5)
Max Grav 2=1982(LC 1), 11=2588(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3199/1698, 3-4=-3048/1673, 4-5=-2547/1449, 5-6=-3165/1721, 6-8=-2210/1193
BOT CHORD 2-14=-1524/2613, 13-14=-1733/3113, 12-13=-1463/2684, 11-12=-802/1460
WEBS 4-14=-768/1431, 5-14=-802/473, 5-13=-126/252, 6-13=-445/785, 6-12=-1056/608, 8-12=-879/1671, 8-11=-2349/1301

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1007, 11=1413.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 78 lb down and 57 lb up at 7-0-0, 78 lb down and 55 lb up at 9-0-12, 78 lb down and 55 lb up at 11-0-12, 78 lb down and 55 lb up at 13-0-12, 78 lb down and 55 lb up at 15-0-12, 78 lb down and 53 lb up at 17-0-12, 78 lb down and 55 lb up at 19-0-12, 78 lb down and 55 lb up at 21-0-12, 78 lb down and 55 lb up at 23-0-12, 78 lb down and 55 lb up at 25-0-12, and 78 lb down and 55 lb up at 26-7-12, and 78 lb down and 55 lb up at 27-3-4 on top chord, and 426 lb down and 361 lb up at 7-0-0, 156 lb down and 113 lb up at 9-0-12, 156 lb down and 113 lb up at 11-0-12, 156 lb down and 113 lb up at 13-0-12, 156 lb down and 113 lb up at 15-0-12, 156 lb down and 113 lb up at 17-0-12, 156 lb down and 113 lb up at 19-0-12, 156 lb down and 113 lb up at 21-0-12, 156 lb down and 113 lb up at 23-0-12, 156 lb down and 113 lb up at 25-0-12, and 156 lb down and 113 lb up at 26-7-12, and 156 lb down and 113 lb up at 27-3-4 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

Continued on page 2

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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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: 1-4=-54, 4-9=-54, 2-10=-20
   Concentrated Loads (lb)
   Vert: 4=-18(F) 7=-18(F) 14=-426(F) 13=-156(F) 12=-156(F) 8=-18(F) 11=-156(F) 17=-18(F) 18=-18(F) 19=-18(F) 20=-18(F) 21=-18(F) 23=-18(F) 24=-18(F) 25=-18(F) 26=-18(F) 27=-156(F) 28=-156(F) 29=-156(F) 30=-156(F) 31=-156(F) 32=-156(F) 33=-156(F) 34=-156(F)

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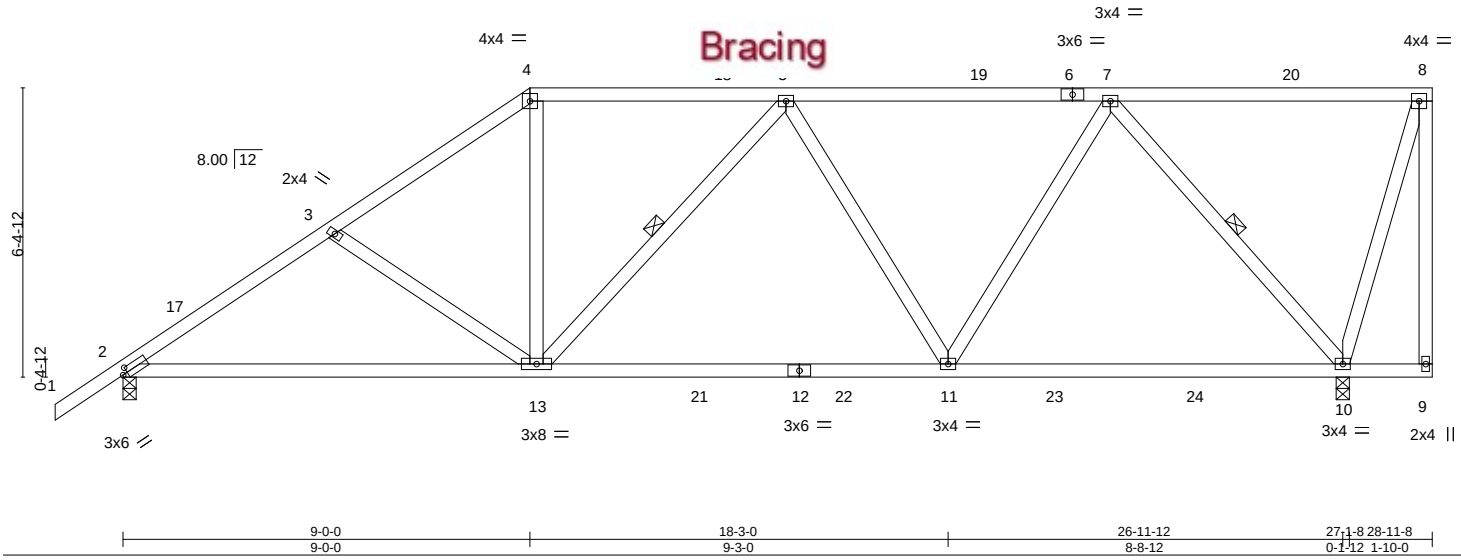
Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T06	Half Hip	1	1	T32766508
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:47 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-AT7IVqcX0JdHIALTHMi2rw2hdFOWESg0rlwCPhzrSfs

-1-6-0 4-8-3 9-0-0 14-7-15 21-10-1 28-11-8
1-6-0 4-8-3 4-3-13 5-7-15 7-2-1 7-1-7

Scale = 1:51.0



9-0-0 18-3-0 26-11-12 27-1-8 28-11-8
9-0-0 9-3-0 8-8-12 0-1-12 1-10-0

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

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	0.53	Vert(LL)	-0.18	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.30	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 169 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-1-12 oc bracing.
WEBS 1 Row at midpt 5-13, 7-10

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=266(LC 12)
Max Uplift 2=-318(LC 12), 10=-362(LC 9)
Max Grav 2=1159(LC 2), 10=1277(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1591/434, 3-4=-1417/382, 4-5=-1138/364, 5-7=-1108/279
BOT CHORD 2-13=-524/1307, 11-13=-380/1224, 10-11=-236/770
WEBS 3-13=-295/195, 4-13=-72/566, 5-11=-295/211, 7-11=-147/667, 7-10=-1203/404

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 28-9-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=318, 10=362.

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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T07	Half Hip	1	1	T32766509
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:49 2024 Page 1
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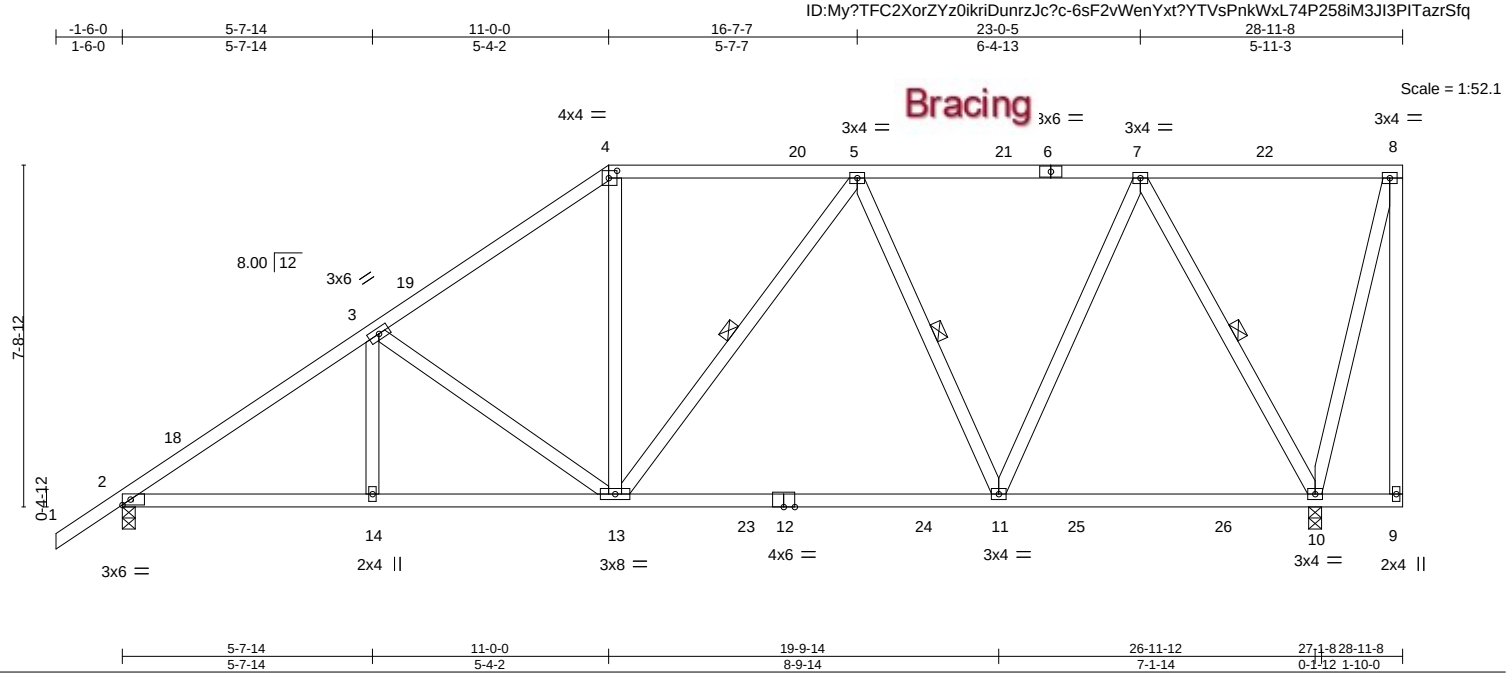

Plate Offsets (X,Y)-- [4:0-2-4,0-2-0]

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	0.38	Vert(LL)	-0.21	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.34	11-13	>947	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2023/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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-2 oc bracing.
WEBS 1 Row at midpt 5-13, 5-11, 7-10

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=317(LC 12)
Max Uplift 2=-310(LC 12), 10=-357(LC 9)
Max Grav 2=1160(LC 2), 10=1292(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1632/401, 3-4=-1274/353, 4-5=-1006/345, 5-7=-818/215
BOT CHORD 2-14=-535/1316, 13-14=-535/1316, 11-13=-312/962, 10-11=-152/516
WEBS 3-13=-476/233, 4-13=-42/455, 5-11=-412/246, 7-11=-190/762, 7-10=-1127/356

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 28-9-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=310, 10=357.

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T08	Half Hip	1	1	T32766510
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:50 2024 Page 1
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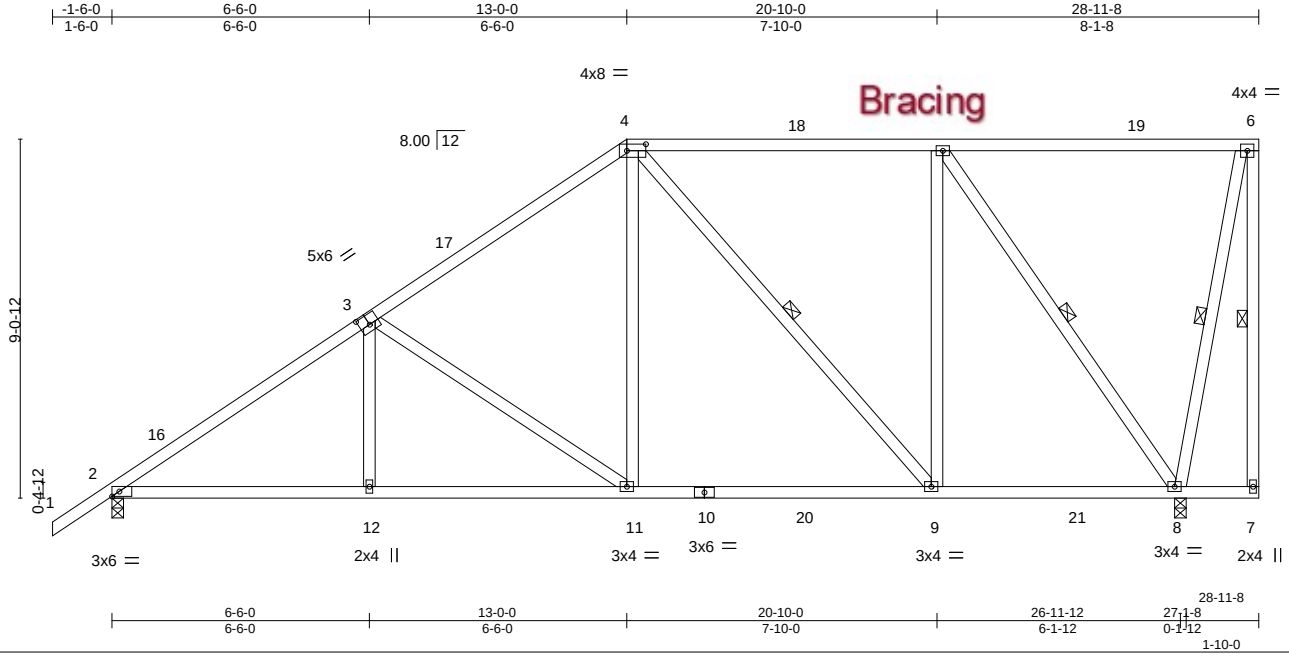

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [4:0-5-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.13	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.22	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 193 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=369(LC 12)
Max Uplift 2=-298(LC 12), 8=-351(LC 9)
Max Grav 2=1188(LC 19), 8=1295(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1620/374, 3-4=-1154/310, 4-5=-663/198
BOT CHORD 2-12=-556/1355, 11-12=-556/1359, 9-11=-324/895, 8-9=-198/663
WEBS 3-12=0/264, 3-11=-607/278, 4-11=-105/635, 4-9=-425/190, 5-9=-97/632, 5-8=-1195/357

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 28-9-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=298, 8=351.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. 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 Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T09	Half Hip	1	1	T32766511
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:52 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-WRwBYXggrsFaPxDR4vHDYzlXDG9VveCl_1ez4vzrSfn

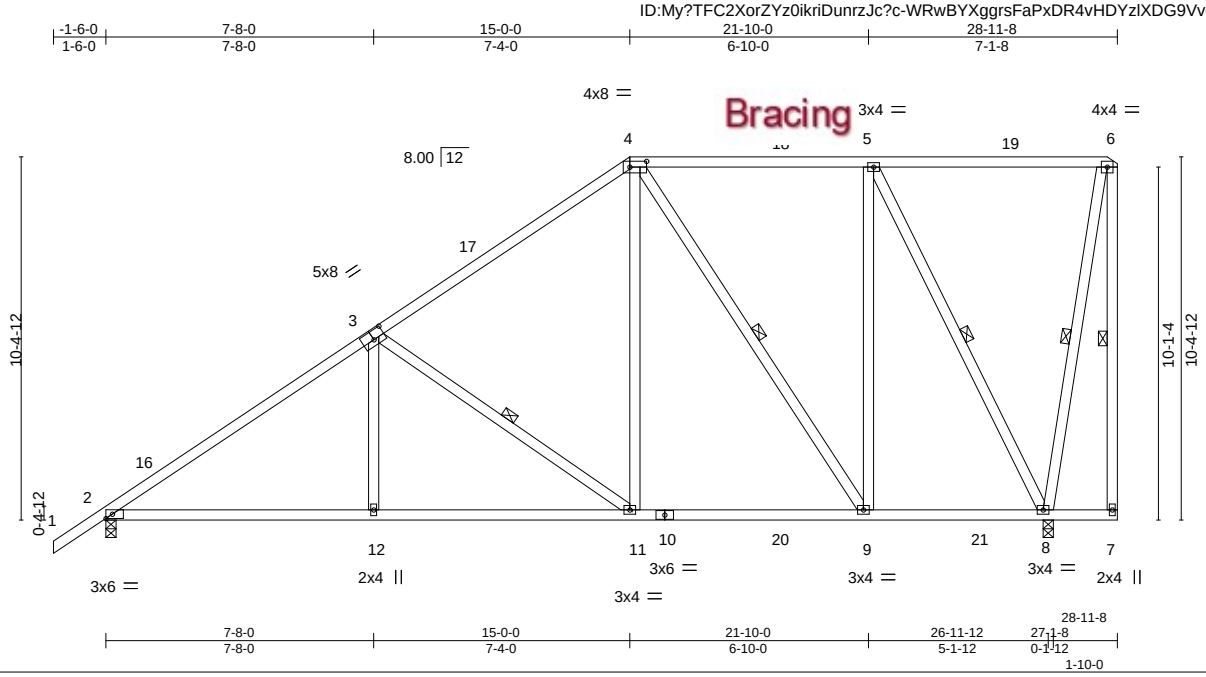

Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [4:0-5-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.11	12-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.21	12-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 206 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-7-7 oc bracing.
WEBS 1 Row at midpt 6-7, 3-11, 4-9, 5-8, 6-8

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=420(LC 12)
Max Uplift 2=-283(LC 12), 8=-344(LC 9)
Max Grav 2=1205(LC 19), 8=1294(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1584/337, 3-4=-1008/264, 4-5=-495/160
BOT CHORD 2-12=-561/1339, 11-12=-560/1343, 9-11=-292/761, 8-9=-160/495
WEBS 3-12=0/323, 3-11=-722/326, 4-11=-136/695, 4-9=-551/236, 5-9=-159/724, 5-8=-1134/365

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 28-9-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=283, 8=344.

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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T10	Piggyback Base	3	1	T32766512
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:26:54 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-Tq2xzDiwMTVHeENpBKKheOrti3rzNYi2SL738nzrSfl

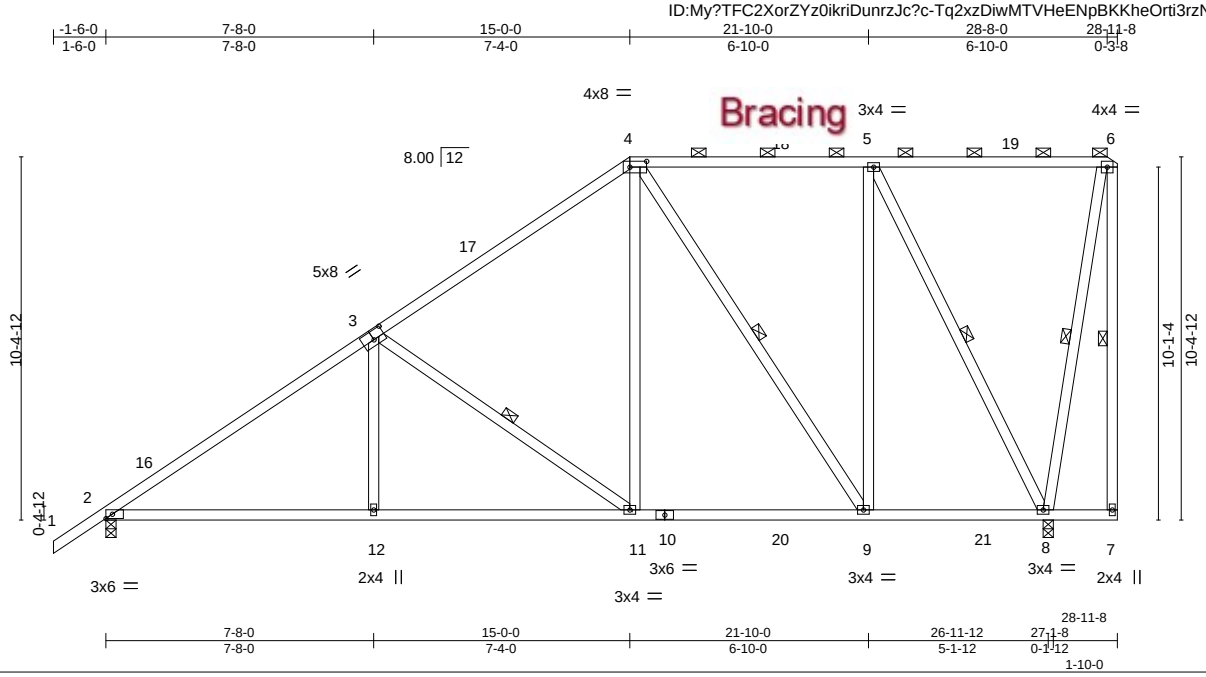

Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [4:0-5-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.11	12-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.21	12-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 206 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-4 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 7-7-7 oc bracing.
WEBS 1 Row at midpt 3-11, 4-9, 5-8, 6-8, 6-7

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=420(LC 12)
Max Uplift 2=-283(LC 12), 8=-344(LC 9)
Max Grav 2=1206(LC 19), 8=1295(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1584/337, 3-4=-1009/264, 4-5=-495/160
BOT CHORD 2-12=-561/1339, 11-12=-560/1343, 9-11=-292/761, 8-9=-160/495
WEBS 3-12=0/323, 3-11=-722/326, 4-11=-136/695, 4-9=-551/236, 5-9=-159/725, 5-8=-1135/365

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 28-9-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=283, 8=344.
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 Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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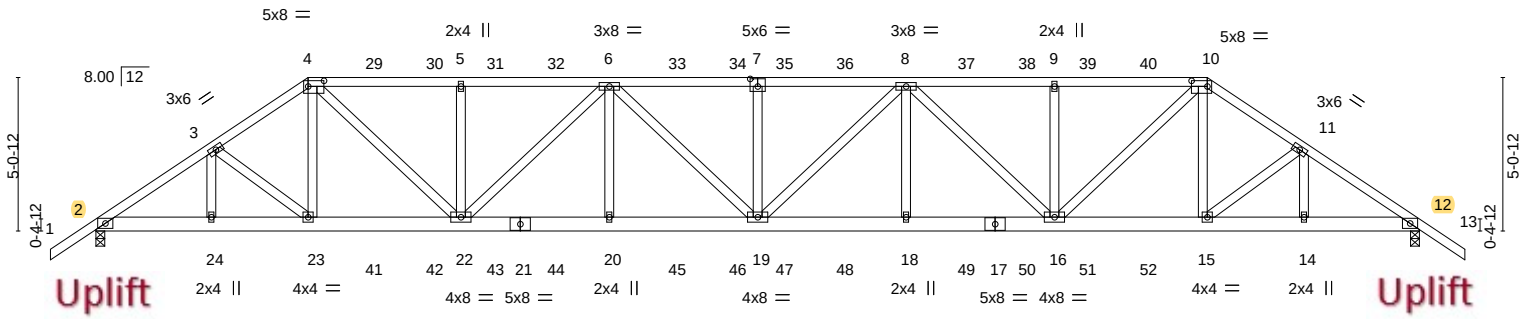
Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T11	Hip Girder	1	2	T32766513
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:27:02 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-EMXzeyoxUwW9cT_Mf0TZy4AGslZGFCPDIb3URKzrSfd

1-6-0	3-9-11	7-0-0	12-0-8	16-11-4	21-10-0	26-8-12	31-7-8	36-8-0	39-10-5	43-8-0	45-2-0
1-6-0	3-9-11	3-2-5	5-0-8	4-10-12	4-10-12	4-10-12	4-10-12	5-0-8	3-2-5	3-9-11	1-6-0

Scale = 1:76.0



3-9-11	7-0-0	12-0-8	16-11-4	21-10-0	26-8-12	31-7-8	36-8-0	39-10-5	43-8-0
3-9-11	3-2-5	5-0-8	4-10-12	4-10-12	4-10-12	4-10-12	5-0-8	3-2-5	3-9-11

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	0.44	19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.60	19	>869	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.14	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 592 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 4-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-8-11 oc bracing.

REACTIONS. (size) 2=0-3-8, 12=0-3-8
Max Horz 2=-141(LC 6)
Max Uplift 2=-1749(LC 8), 12=-1791(LC 9)
Max Grav 2=3370(LC 1), 12=3419(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5603/2952, 3-4=-5520/3007, 4-5=-6723/3655, 5-6=-6723/3655, 6-7=-8419/4532, 7-8=-8419/4532, 8-9=-6771/3690, 9-10=-6771/3690, 10-11=-5609/3082, 11-12=-5691/3027
BOT CHORD 2-24=-2456/4618, 23-24=-2456/4618, 22-23=-2491/4577, 20-22=-4316/7999, 19-20=-4316/7999, 18-19=-4311/8023, 16-18=-4311/8023, 15-16=-2474/4651, 14-15=-2421/4691, 12-14=-2421/4691
WEBS 3-23=-276/200, 4-23=-481/813, 4-22=-1617/2960, 5-22=-325/222, 6-22=-1792/986, 6-20=-230/541, 6-19=-371/610, 7-19=-303/208, 8-19=-335/569, 8-18=-230/541, 8-16=-1752/945, 9-16=-325/222, 10-16=-1576/2919, 10-15=-481/813, 11-15=-278/202

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
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) 2=1749, 12=1791.

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MiTek Inc. DBA MiTek USA FL Cert 6634
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January 29,2024

Continued on page 2

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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 78 lb down and 57 lb up at 7-0-0, 78 lb down and 55 lb up at 9-0-12, 78 lb down and 55 lb up at 11-0-12, 78 lb down and 55 lb up at 13-0-12, 78 lb down and 55 lb up at 15-0-12, 78 lb down and 55 lb up at 17-0-12, 78 lb down and 55 lb up at 19-0-12, 78 lb down and 53 lb up at 21-0-12, 78 lb down and 53 lb up at 22-7-4, 78 lb down and 55 lb up at 24-7-4, 78 lb down and 55 lb up at 26-7-4, 78 lb down and 55 lb up at 28-7-4, 78 lb down and 55 lb up at 30-7-4, 78 lb down and 55 lb up at 32-7-4, and 78 lb down and 55 lb up at 34-7-4, and 207 lb down and 177 lb up at 36-8-0 on top chord, and 426 lb down and 361 lb up at 7-0-0, 156 lb down and 113 lb up at 9-0-12, 156 lb down and 113 lb up at 11-0-12, 156 lb down and 113 lb up at 13-0-12, 156 lb down and 113 lb up at 15-0-12, 156 lb down and 113 lb up at 17-0-12, 156 lb down and 113 lb up at 19-0-12, 156 lb down and 113 lb up at 21-0-12, 156 lb down and 113 lb up at 22-7-4, 156 lb down and 113 lb up at 24-7-4, 156 lb down and 113 lb up at 26-7-4, 156 lb down and 113 lb up at 28-7-4, 156 lb down and 113 lb up at 30-7-4, 156 lb down and 113 lb up at 32-7-4, and 156 lb down and 113 lb up at 34-7-4, and 426 lb down and 361 lb up at 36-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-54, 4-10=-54, 10-13=-54, 2-12=-20

Concentrated Loads (lb)

Vert: 4=-18(B) 10=-91(B) 23=-426(B) 6=-18(B) 20=-156(B) 18=-156(B) 8=-18(B) 15=-426(B) 29=-18(B) 30=-18(B) 31=-18(B) 32=-18(B) 33=-18(B) 34=-18(B) 35=-18(B) 36=-18(B) 37=-18(B) 38=-18(B) 39=-18(B) 40=-18(B) 41=-156(B) 42=-156(B) 43=-156(B) 44=-156(B) 45=-156(B) 46=-156(B) 47=-156(B) 48=-156(B) 49=-156(B) 50=-156(B) 51=-156(B) 52=-156(B)

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T12	Hip	1	1	T32766514
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:27:04 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-Alfj3epC0Ymtrn8knRV12VFey5BVj7JWlvYbVCzrSfb

1-6-0	4-8-3	9-0-0	13-1-6	18-11-2	24-8-14	30-6-10	34-8-0	38-11-13	43-8-0	45-2-0
1-6-0	4-8-3	4-3-13	4-1-6	5-9-11	5-9-13	5-9-11	4-1-6	4-3-13	4-8-3	1-6-0

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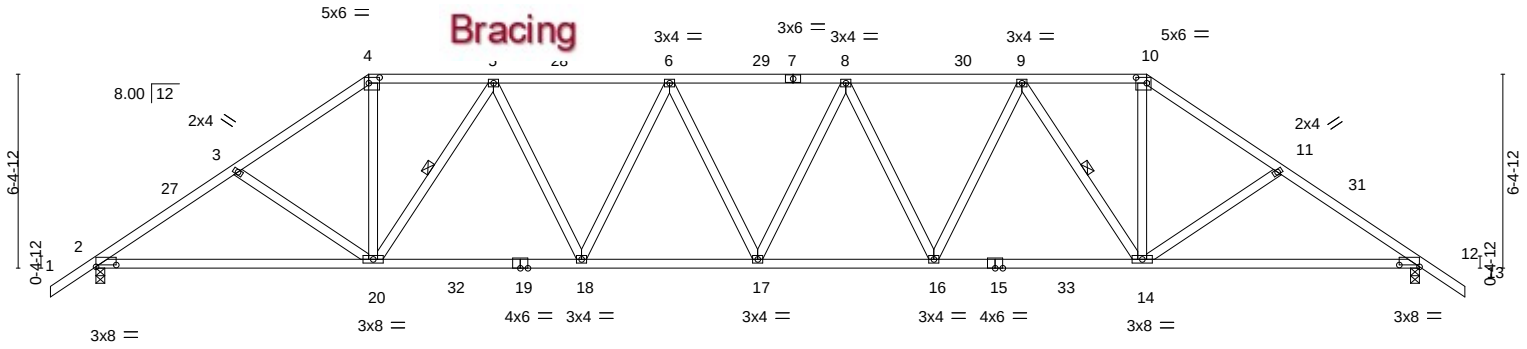

9-0-0	16-0-4	21-10-0	27-7-12	34-8-0	43-8-0
9-0-0	7-0-4	5-9-12	5-9-12	7-0-4	9-0-0

Plate Offsets (X,Y)-- [2:0-8-0,0-0-11], [4:0-4-4,0-2-4], [10:0-4-4,0-2-4], [12:0-8-0,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.28	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.48	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.18	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 253 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-20, 9-14

REACTIONS. (size) 2=0-3-8, 12=0-3-8
Max Horz 2=-174(LC 10)
Max Uplift 2=-468(LC 12), 12=-468(LC 13)
Max Grav 2=1824(LC 2), 12=1824(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2756/700, 3-4=-2584/649, 4-5=-2124/589, 5-6=-2933/733, 6-8=-3148/770, 8-9=-2933/733, 9-10=-2124/589, 10-11=-2584/649, 11-12=-2756/701
BOT CHORD 2-20=-598/2271, 18-20=-696/2653, 17-18=-801/3103, 16-17=-769/3103, 14-16=-601/2653, 12-14=-478/2271
WEBS 3-20=-289/193, 4-20=-247/1242, 5-20=-1009/386, 5-18=-177/681, 6-18=-457/214, 8-16=-457/214, 9-16=-177/681, 9-14=-1009/385, 10-14=-247/1242, 11-14=-289/194

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 2-10-6, Zone1 2-10-6 to 9-0-0, Zone2 9-0-0 to 15-2-2, Zone1 15-2-2 to 34-8-0, Zone2 34-8-0 to 40-10-2, Zone1 40-10-2 to 45-2-0 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) 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=468, 12=468.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. 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 Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T13	Hip	1	1	T32766515
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:27:05 2024 Page 1
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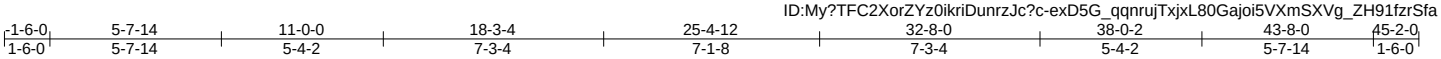

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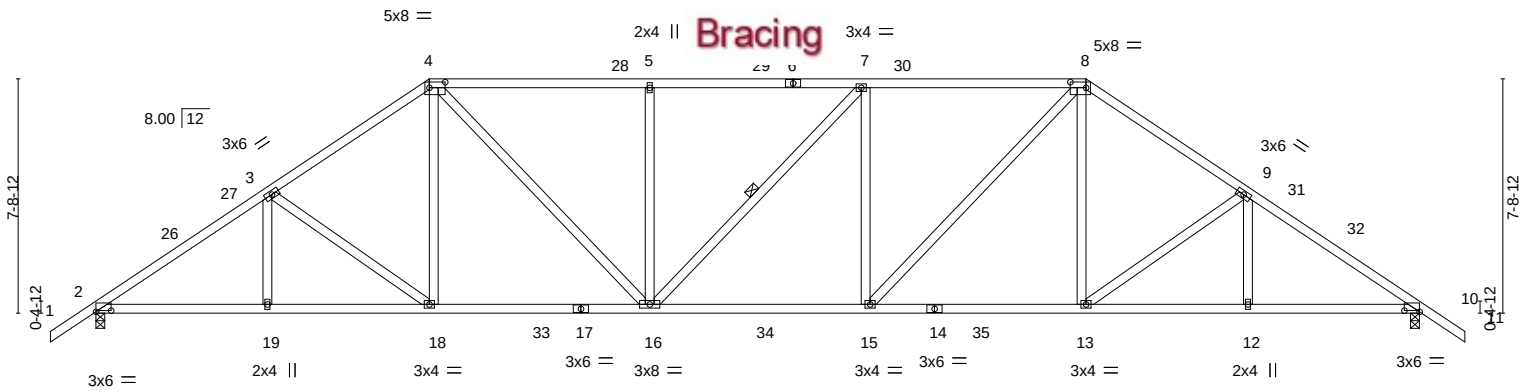

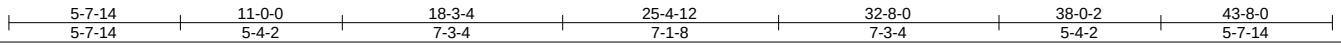

Plate Offsets (X,Y)-- [2:0-6-0,0-0-7], [4:0-6-4,0-2-4], [8:0-6-4,0-2-4], [10:0-6-0,0-0-8]

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	0.78	Vert(LL)	-0.26	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.44	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.16	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 259 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-8-9 oc bracing.
WEBS 1 Row at midpt 7-16

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-207(LC 10)
Max Uplift 2=-465(LC 12), 10=-465(LC 13)
Max Grav 2=1866(LC 2), 10=1870(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2877/672, 3-4=-2521/631, 4-5=-2654/659, 5-7=-2654/659, 7-8=-2666/660, 8-9=-2529/631, 9-10=-2885/672
BOT CHORD 2-19=-582/2341, 18-19=-582/2341, 16-18=-470/2047, 15-16=-556/2666, 13-15=-323/2053, 12-13=-443/2348, 10-12=-443/2348
WEBS 3-18=-471/222, 4-18=-89/543, 4-16=-333/929, 5-16=-413/234, 7-15=-467/283, 8-15=-334/938, 8-13=-89/541, 9-13=-472/223

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 2-10-6, Zone1 2-10-6 to 11-0-0, Zone2 11-0-0 to 17-2-2, Zone1 17-2-2 to 32-8-0, Zone2 32-8-0 to 38-10-2, Zone1 38-10-2 to 45-2-0 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) 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=465, 10=465.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. 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 Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T14	Hip	1	1	T32766516
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:27:07 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-aKKrhgs4JT8RiEtJSZ3kf8t4pJEewQPyRsmF6XzrSfY

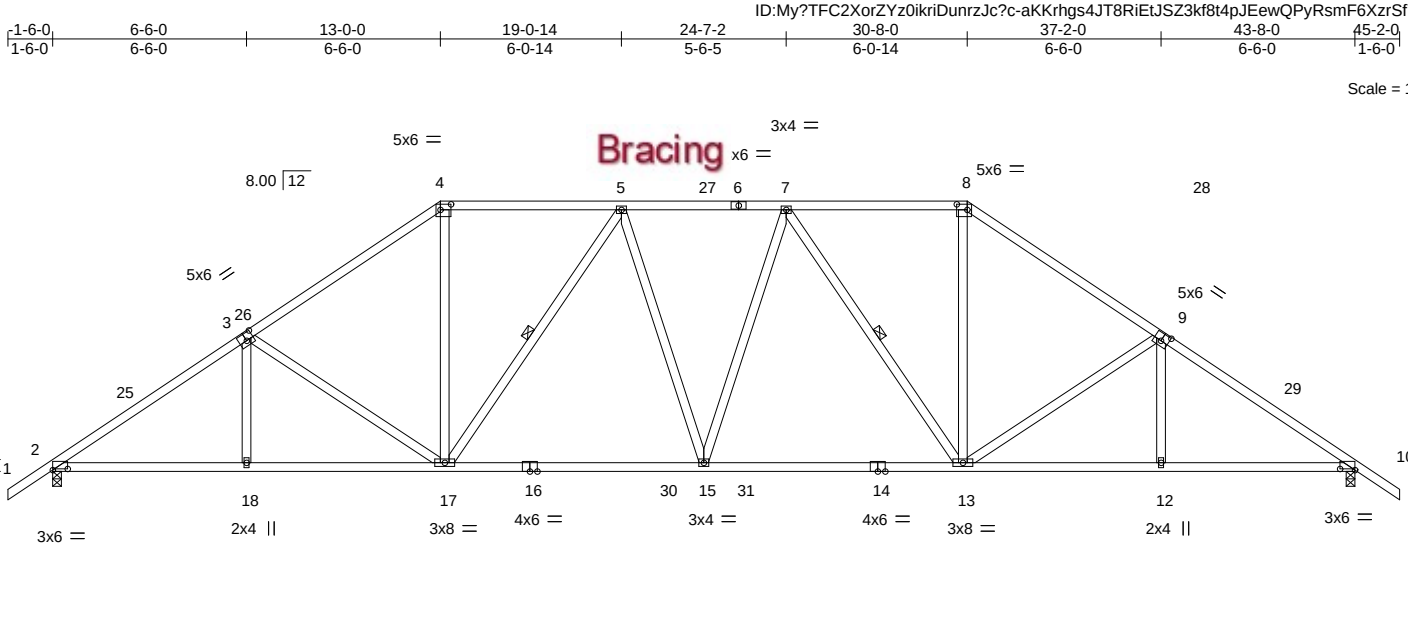

Plate Offsets (X,Y)-- [2:0-6-0,0-0-7], [3:0-3-0,0-3-0], [4:0-4-4,0-2-4], [8:0-4-4,0-2-4], [9:0-3-0,0-3-0], [10:0-6-0,0-0-7]

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	0.64	Vert(LL)	-0.29	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.49	15-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.15	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 261 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
14-16: 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-9 oc bracing.
WEBS 1 Row at midpt 5-17, 7-13

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-240(LC 10)
Max Uplift 2=-460(LC 12), 10=-460(LC 13)
Max Grav 2=1859(LC 2), 10=1859(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2845/662, 3-4=-2396/599, 4-5=-1934/564, 5-7=-2314/553, 7-8=-1934/564, 8-9=-2396/599, 9-10=-2845/663
BOT CHORD 2-18=-588/2313, 17-18=-588/2316, 15-17=-455/2249, 13-15=-413/2249, 12-13=-426/2316, 10-12=-427/2313
WEBS 3-18=0/251, 3-17=-588/278, 4-17=-174/1026, 5-17=-641/279, 5-15=-78/296, 7-15=-77/296, 7-13=-641/279, 8-13=-174/1026, 9-13=-589/278, 9-12=0/251

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 2-10-6, Zone1 2-10-6 to 13-0-0, Zone2 13-0-0 to 19-0-14, Zone1 19-0-14 to 30-8-0, Zone2 30-8-0 to 36-10-2, Zone1 36-10-2 to 45-2-0 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) 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=460, 10=460.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T15	Hip	1	1	T32766517
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:27:09 2024 Page 1
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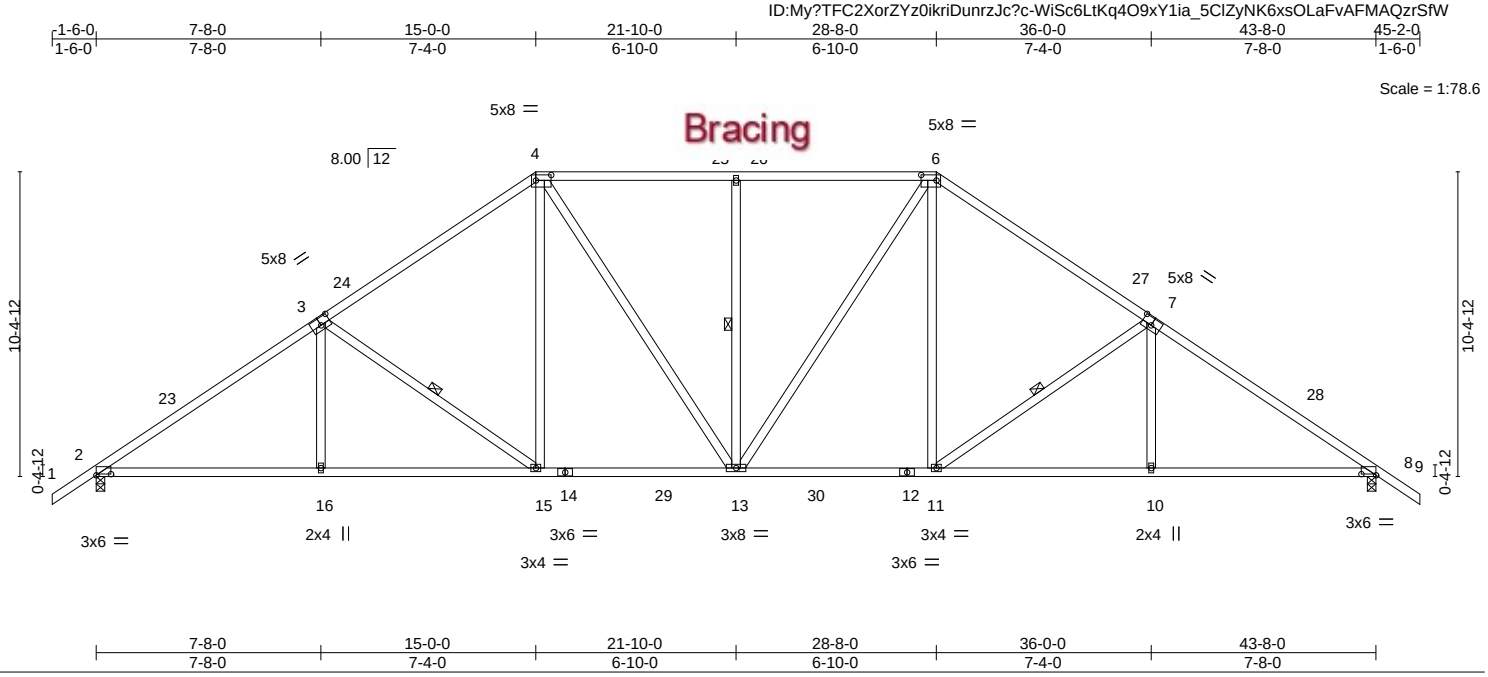

Plate Offsets (X,Y)-- [2:0-6-0,0-0-7], [3:0-4-0,0-3-0], [4:0-6-4,0-2-4], [6:0-6-4,0-2-4], [7:0-4-0,0-3-0], [8:0-6-0,0-0-7]

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	0.83	Vert(LL)	-0.21	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.34	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 264 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.
BOT CHORD Rigid ceiling directly applied or 7-6-8 oc bracing.
WEBS 1 Row at midpt 3-15, 5-13, 7-11

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-273(LC 10)
Max Uplift 2=-456(LC 12), 8=-456(LC 13)
Max Grav 2=1852(LC 2), 8=1852(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2796/642, 3-4=-2252/573, 4-5=-1998/531, 5-6=-1998/531, 6-7=-2252/573, 7-8=-2796/643
BOT CHORD 2-16=-578/2317, 15-16=-577/2321, 13-15=-322/1795, 11-13=-197/1795, 10-11=-394/2267, 8-10=-394/2263
WEBS 3-16=0/316, 3-15=-709/322, 4-15=-135/686, 4-13=-237/463, 5-13=-418/242, 6-13=-237/463, 6-11=-135/686, 7-11=-709/323, 7-10=0/316

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 2-10-6, Zone1 2-10-6 to 15-0-0, Zone2 15-0-0 to 21-2-2, Zone1 21-2-2 to 28-8-0, Zone2 28-8-0 to 34-10-2, Zone1 34-10-2 to 45-2-0 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) 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=456, 8=456.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 29,2024

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T16	Piggyback Base	10	1	T32766518
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:27:11 2024 Page 1
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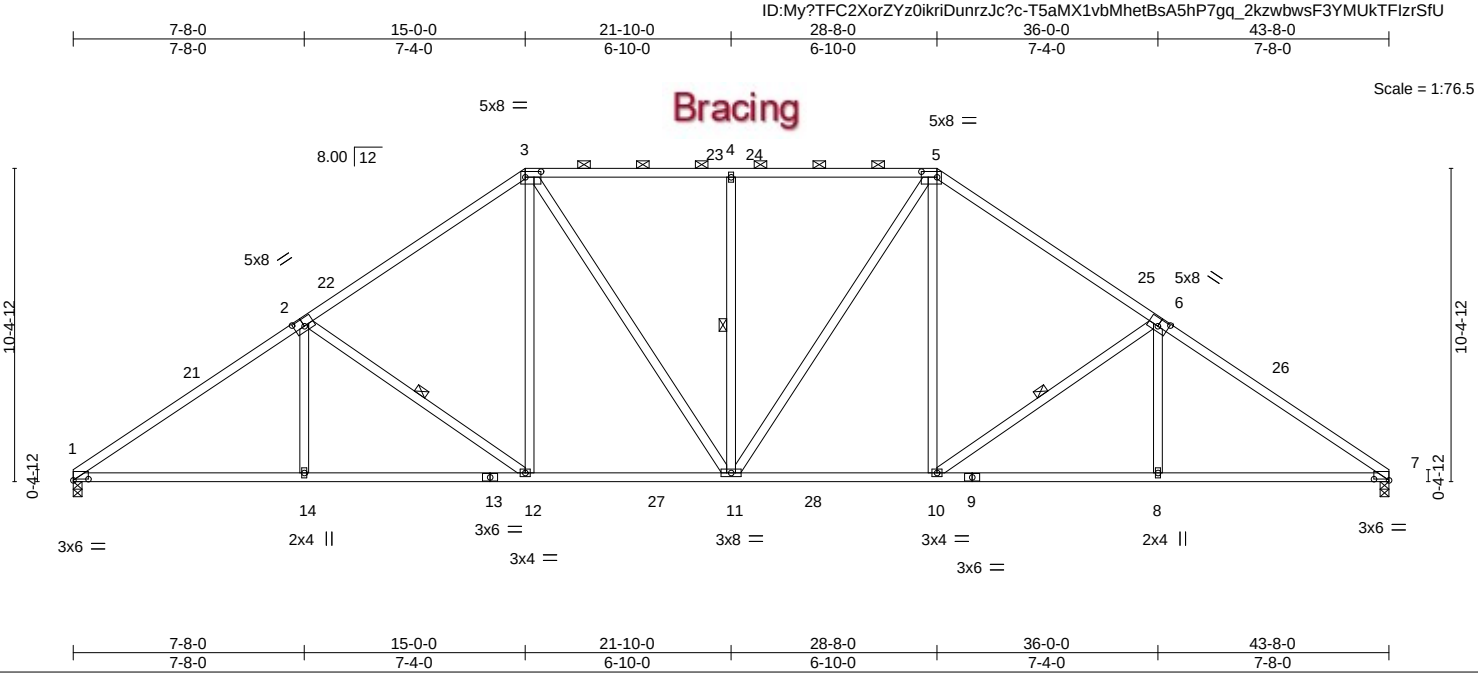

Plate Offsets (X,Y)-- [1:0-6-0,0-0-7], [2:0-4-0,0-3-0], [3:0-6-4,0-2-4], [5:0-6-4,0-2-4], [6:0-4-0,0-3-0], [7:0-6-0,0-0-8]

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	0.82	Vert(LL)	-0.21	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.34	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.14	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 259 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, except 2-0-0 oc purlins (3-8-4 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 7-3-10 oc bracing.
WEBS 1 Row at midpt 2-12, 4-11, 6-10

REACTIONS. (size) 1=0-3-8, 7=0-3-8
Max Horz 1=-248(LC 8)
Max Uplift 1=-418(LC 12), 7=-418(LC 13)
Max Grav 1=1786(LC 2), 7=1786(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2809/652, 2-3=-2258/577, 3-4=-2003/534, 4-5=-2003/534, 5-6=-2258/577, 6-7=-2809/652
BOT CHORD 1-14=-603/2318, 12-14=-603/2323, 11-12=-333/1800, 10-11=-216/1800, 8-10=-436/2280, 7-8=-436/2276
WEBS 2-14=0/318, 2-12=-720/330, 3-12=-138/690, 3-11=-237/465, 4-11=-418/243, 5-11=-237/465, 5-10=-138/690, 6-10=-720/330, 6-8=0/318

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-0-0 to 4-4-6, Zone1 4-4-6 to 15-0-0, Zone2 15-0-0 to 21-2-2, Zone1 21-2-2 to 28-8-0, Zone2 28-8-0 to 34-10-2, Zone1 34-10-2 to 43-8-0 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) 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) 1=418, 7=418.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

January 29,2024

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T17	Piggyback Base	4	1	T32766519
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:27:12 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-xH8kkNvD7?nko?lHF6evMBauYKx9bilib8U0nlzrSfT

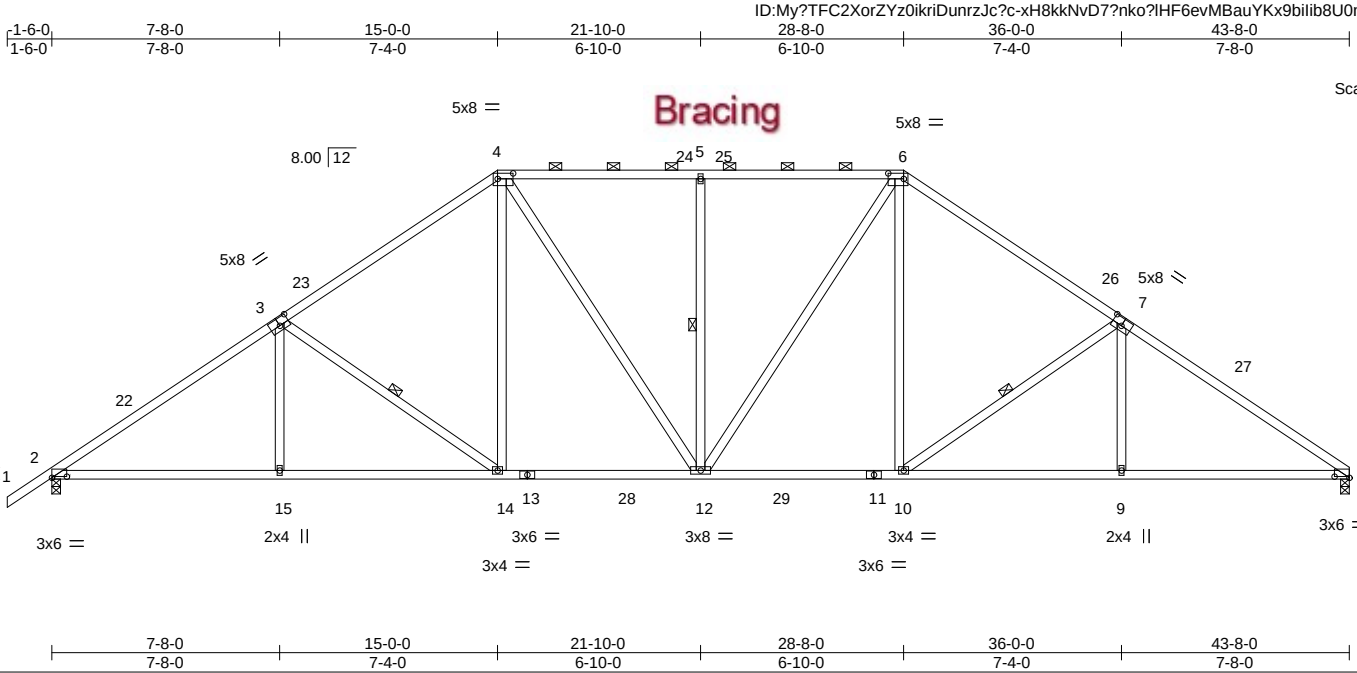

Plate Offsets (X,Y)-- [2:0-6-0,0-0-8], [3:0-4-0,0-3-0], [4:0-6-4,0-2-4], [6:0-6-4,0-2-4], [7:0-4-0,0-3-0], [8:0-6-0,0-0-7]

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	0.83	Vert(LL)	-0.21	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.34	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 261 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, except 2-0-0 oc purlins (3-8-4 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 7-5-4 oc bracing.
WEBS 1 Row at midpt 3-14, 5-12, 7-10

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=264(LC 9)
Max Uplift 2=-456(LC 12), 8=-418(LC 13)
Max Grav 2=1853(LC 2), 8=1785(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2798/643, 3-4=-2254/574, 4-5=-2001/534, 5-6=-2001/534, 6-7=-2256/576, 7-8=-2807/651
BOT CHORD 2-15=-595/2306, 14-15=-594/2310, 12-14=-332/1797, 10-12=-215/1798, 9-10=-435/2278, 8-9=-436/2274
WEBS 3-15=0/316, 3-14=-709/322, 4-14=-135/686, 4-12=-238/465, 5-12=-418/243, 6-12=-237/463, 6-10=-138/690, 7-10=-720/330, 7-9=0/318

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 2-10-6, Zone1 2-10-6 to 15-0-0, Zone2 15-0-0 to 21-2-2, Zone1 21-2-2 to 28-8-0, Zone2 28-8-0 to 34-10-2, Zone1 34-10-2 to 43-8-0 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) 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=456, 8=418.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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January 29,2024

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T18	Hip Girder	1	1	T32766520
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:27:14 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-tgGV93xTfc1S2JvfMXhNRcgH_7iN3iB_2Sz7sdzrSfR

-1-6-0	3-9-11	7-0-0	12-4-0	15-6-5	19-4-0	20-10-0
1-6-0	3-9-11	3-2-5	5-4-0	3-2-5	3-9-11	1-6-0

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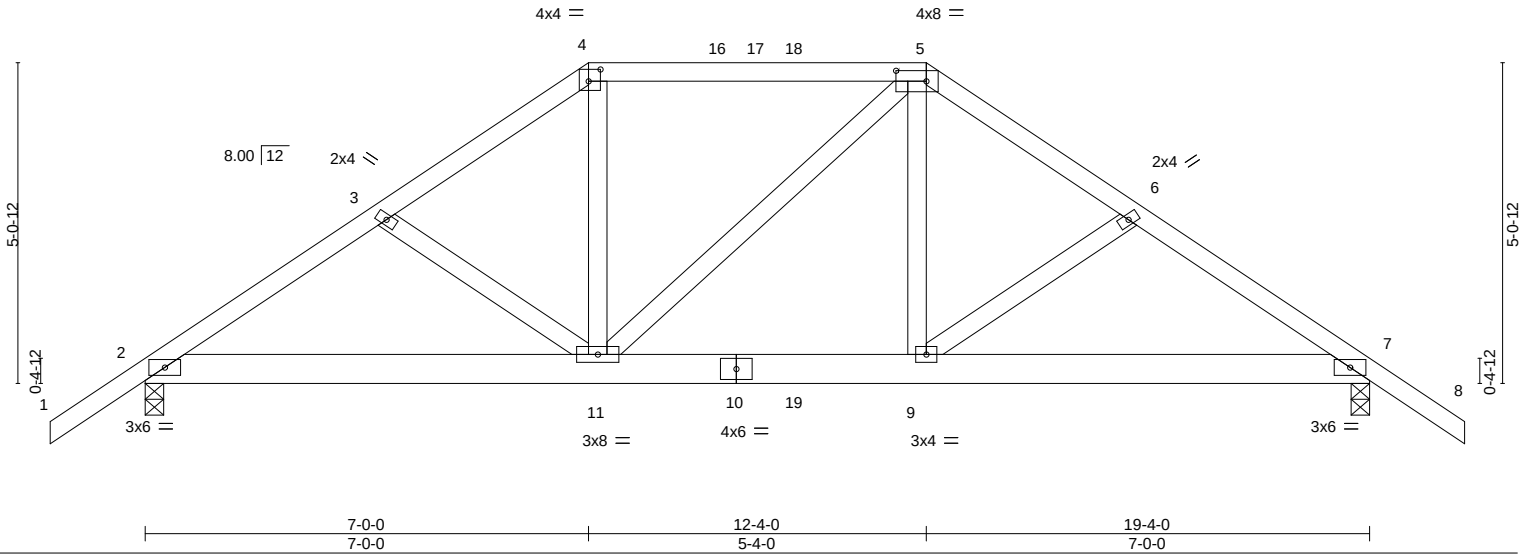

7-0-0	12-4-0	19-4-0
7-0-0	5-4-0	7-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	0.10	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.13	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.32	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 118 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 3-9-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-2-3 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=141(LC 7)
Max Uplift 2=-744(LC 8), 7=-757(LC 9)
Max Grav 2=1438(LC 1), 7=1463(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2199/1217, 3-4=-2054/1188, 4-5=-1695/1041, 5-6=-2097/1215, 6-7=-2242/1240
BOT CHORD 2-11=-1049/1790, 9-11=-1008/1729, 7-9=-952/1826
WEBS 4-11=-486/840, 5-9=-494/823

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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) 2=744, 7=757.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 78 lb down and 57 lb up at 7-0-0, 78 lb down and 52 lb up at 9-0-12, and 78 lb down and 52 lb up at 10-3-4, and 207 lb down and 177 lb up at 12-4-0 on top chord, and 426 lb down and 361 lb up at 7-0-0, 156 lb down and 113 lb up at 9-0-12, and 156 lb down and 113 lb up at 10-3-4, and 426 lb down and 361 lb up at 12-3-4 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: 1-4=-54, 4-5=-54, 5-8=-54, 2-7=-20
Concentrated Loads (lb)
Vert: 4=-18(B) 5=-91(B) 10=-156(B) 11=-426(B) 9=-426(B) 16=-18(B) 18=-18(B) 19=-156(B)

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Date:

January 29,2024

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T19	Hip	1	1	T32766521
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:27:15 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-LsptNPy5Qw9JfTUswFCc_qCVIX?3oBu8H6igO4zrSfQ

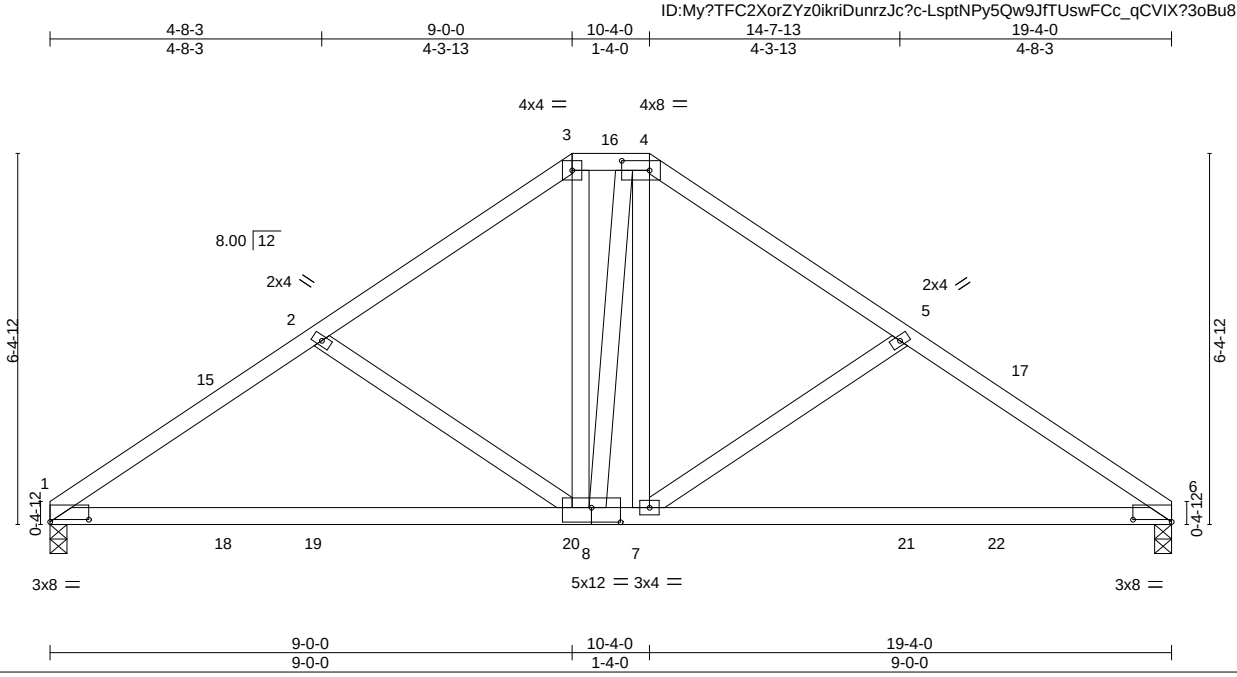

Plate Offsets (X,Y)-- [1:0-8-0,0-0-8], [4:0-5-12,0-2-0], [6:0-8-0,0-0-8], [8:0-6-0,0-3-0]

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	0.42	Vert(LL)	0.15	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.28	8-11	>816	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 105 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 5-6-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-7-3 oc bracing.

REACTIONS. (size) 1=0-3-8, 6=0-3-8
Max Horz 1=149(LC 9)
Max Uplift 1=-186(LC 9), 6=-186(LC 8)
Max Grav 1=715(LC 1), 6=715(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-998/465, 2-3=-778/420, 3-4=-594/381, 4-5=-784/422, 5-6=-999/463
BOT CHORD 1-8=-347/809, 7-8=-211/590, 6-7=-349/810
WEBS 2-8=-277/208, 3-8=-189/272, 5-7=-276/208

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 9-0-0, Zone3 9-0-0 to 10-4-0, Zone2 10-4-0 to 14-9-6, Zone1 14-9-6 to 19-4-0 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 1=186, 6=186.

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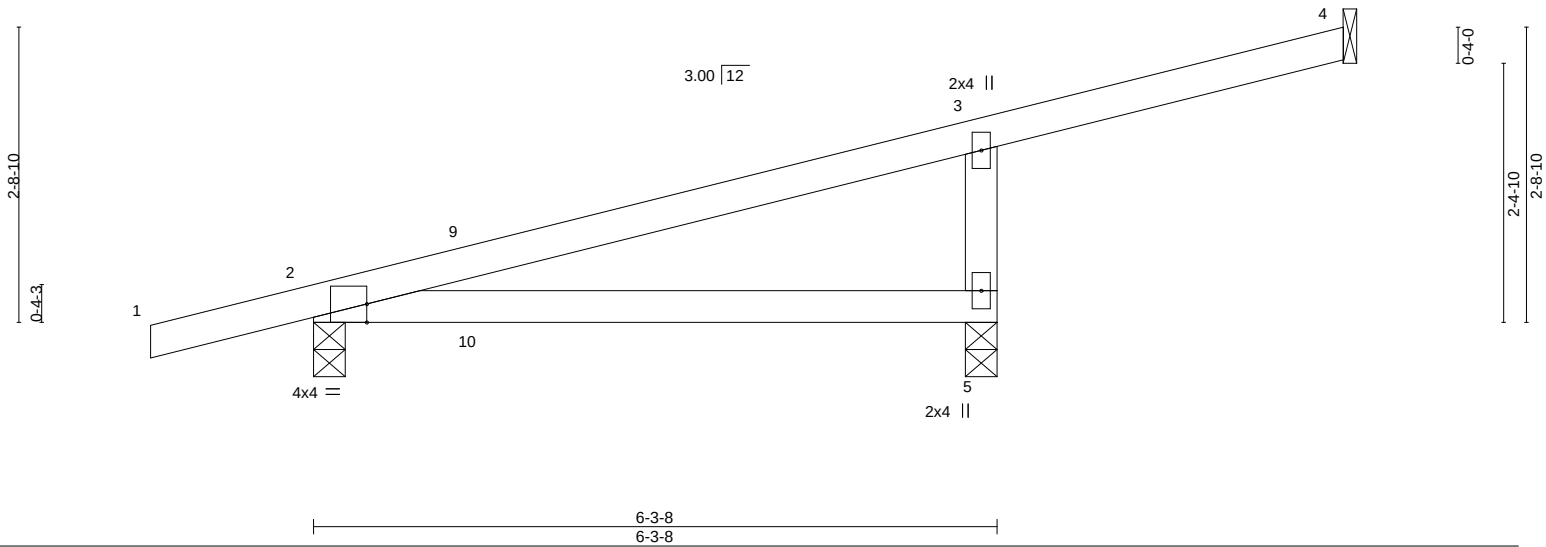
Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T20	Monopitch	13	1	T32766522
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jan 4 2024 MiTek Industries, Inc. Fri Jan 26 14:27:16 2024 Page 1
ID:My?TFC2XorZYz0ikriDunrzJc?c-p2NFalzjBEHAHd32UyjrX1lhIxRKXggHWmSEwWzrSfP

-1-6-0 / 1-6-0 | 6-3-8 / 6-3-8 | 9-5-12 / 3-2-4

Scale = 1:21.2



6-3-8 / 6-3-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	0.08	5-8	>869	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.11	5-8	>696	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP							Weight: 28 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 5=0-3-8, 2=0-3-8
Max Horz 2=110(LC 8)
Max Uplift 4=-29(LC 12), 5=-230(LC 8), 2=-172(LC 8)
Max Grav 4=39(LC 1), 5=382(LC 1), 2=292(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-5=-316/305

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 9-5-0 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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) 5=230, 2=172.

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS - LOT 19 RW
3842092	T20G	Monopitch Supported Gable	1	1	T32766523 Job Reference (optional)

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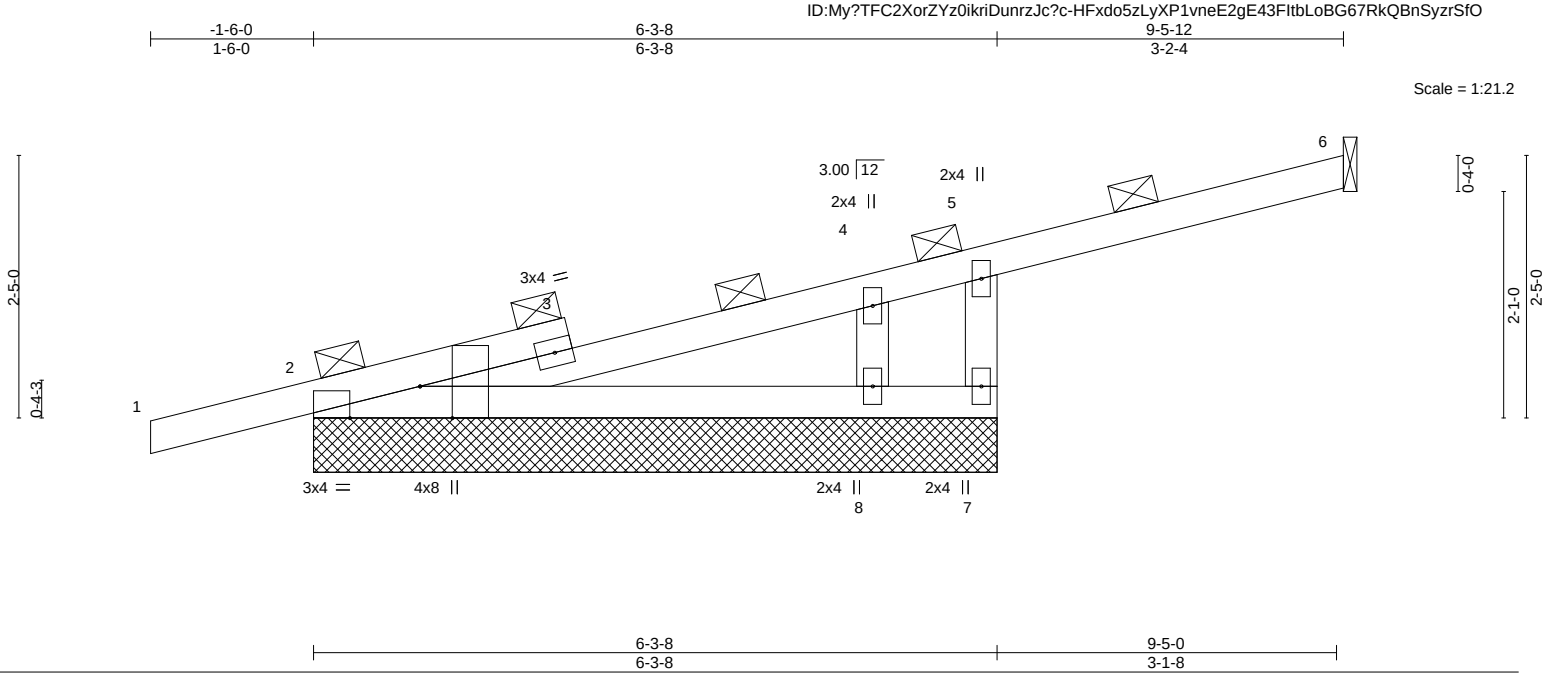


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-7-12,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.02	2-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.04	2-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 31 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 2-0-0 oc purlins (6-0-0 max.), except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 6-3-8 except (jt=length) 6=Mechanical.
(lb) - Max Horz 2=98(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 6, 7, 8 except 2=-117(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 6, 7 except 2=252(LC 1), 8=363(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-8=-235/388

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 7, 8 except (jt=lb) 2=117.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. 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 Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

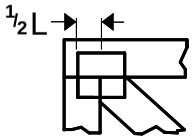
January 29,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

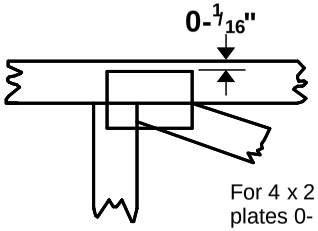
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

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.

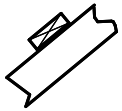
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

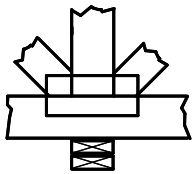
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

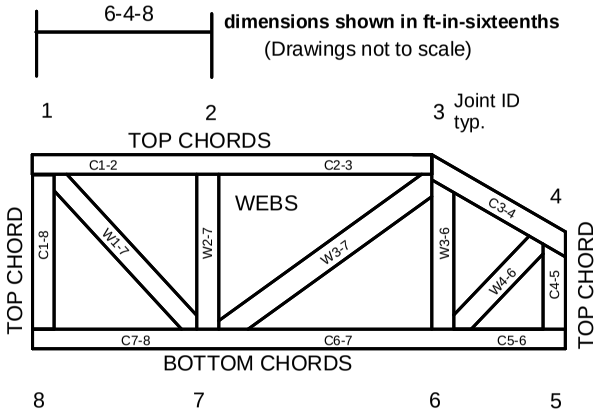


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & 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-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

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.

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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.