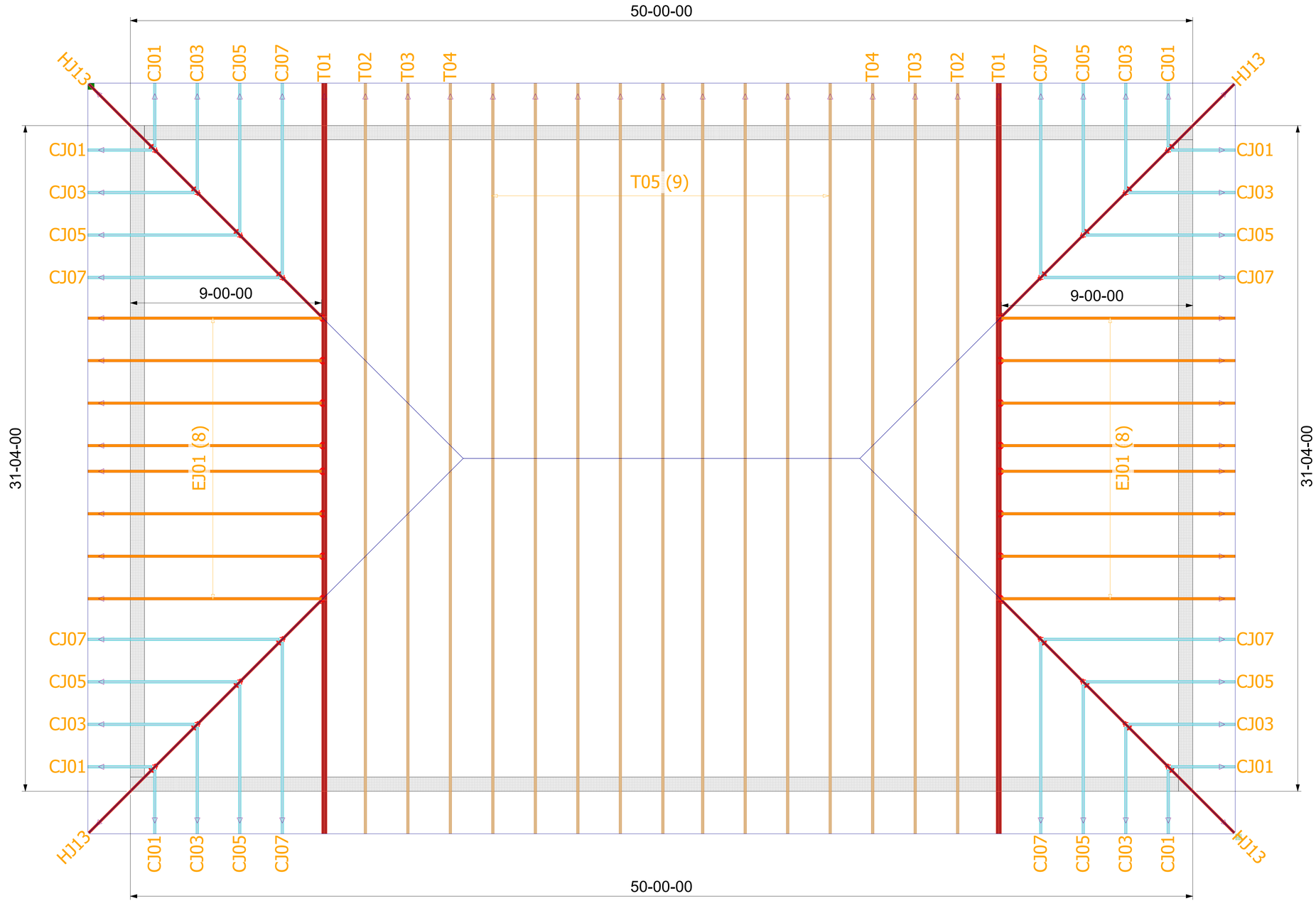
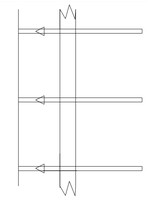
5/12 PITCH – 24" O/H



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:	TANNER CONST.
Legal Address:	Myers Shop
Model:	Custom

Date:	Drawn By:	Original Ref #:
4-17-24	KLH	3981492
Floor 1 Job#	**Floor 2 Job#:**	**Roof Job #:**
N/A	N/A	3981492

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

RE: 3981492 - TANNER - MYERS SHOP

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

Site Information:

Customer Info: TANNER CONST. Project Name: Myers Shop Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 105 SE Turtle Glen, N/A
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7
Wind Code: ASCE 7-22 Wind Speed: 170 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 11 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T33684017	CJ01	4/29/24
2	T33684018	CJ03	4/29/24
3	T33684019	CJ05	4/29/24
4	T33684020	CJ07	4/29/24
5	T33684021	EJ01	4/29/24
6	T33684022	HJ13	4/29/24
7	T33684023	T01	4/29/24
8	T33684024	T02	4/29/24
9	T33684025	T03	4/29/24
10	T33684026	T04	4/29/24
11	T33684027	T05	4/29/24

This item has been digitally signed and sealed by Velez, Joaquin, PE on the date adjacent to the seal.
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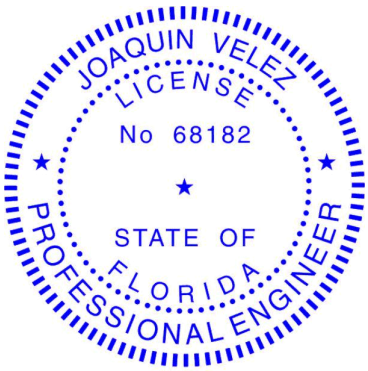
The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Lake City, FL.

Truss Design Engineer's Name: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2025.



Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: April 29,2024

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

Job	Truss	Truss Type	Qty	Ply	TANNER - MYERS SHOP
3981492	CJ01	Jack-Open	8	1	T33684017
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 26 08:08:34 2024 Page 1
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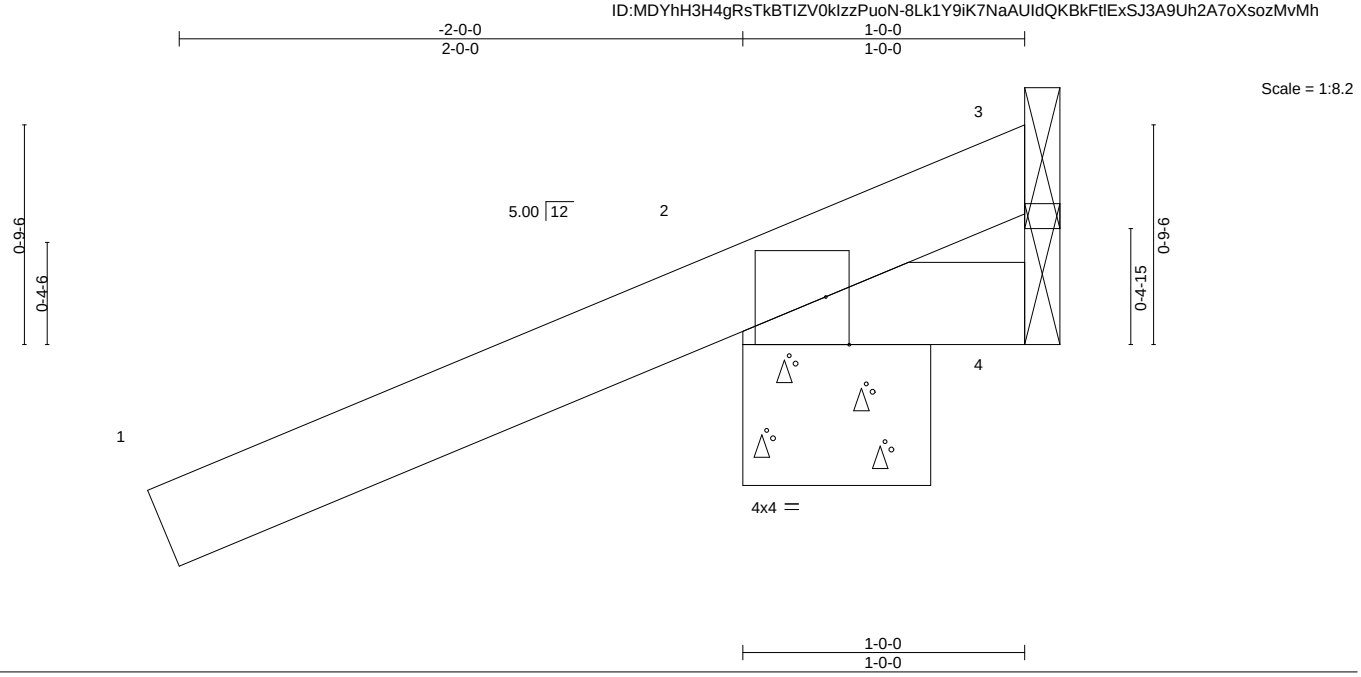

Plate Offsets (X,Y)-- [2:0-1-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 7 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-8-0, 4=Mechanical
Max Horz 2=79(LC 8)
Max Uplift 3=-29(LC 1), 2=-290(LC 8), 4=-50(LC 1)
Max Grav 3=51(LC 8), 2=263(LC 1), 4=80(LC 8)

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

NOTES-
1) Wind: ASCE 7-22; Vult=170mph (3-second gust) Vasd=132mph; 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
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 29 lb uplift at joint 3, 290 lb uplift at joint 2 and 50 lb uplift at joint 4.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

April 29,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	TANNER - MYERS SHOP
3981492	CJ03	Jack-Open	8	1	T33684018
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 26 08:08:34 2024 Page 1
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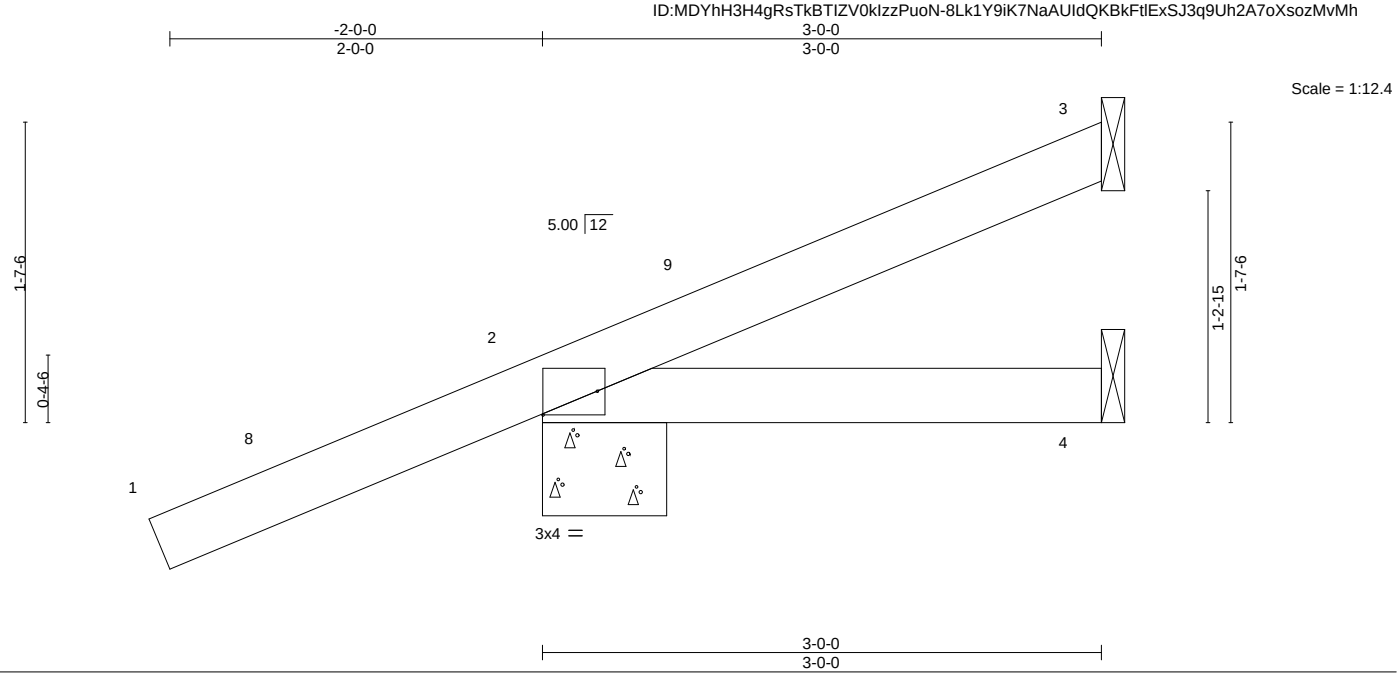

Plate Offsets (X,Y)-- [2:Edge,0-1-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code 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=0-8-0, 4=Mechanical
Max Horz 2=129(LC 12)
Max Uplift 3=-61(LC 12), 2=-212(LC 8)
Max Grav 3=50(LC 1), 2=259(LC 1), 4=47(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=170mph (3-second gust) Vasd=132mph; 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 -2-0-11 to 0-11-5, Zone1 0-11-5 to 2-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 3 and 212 lb uplift at joint 2.

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Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

April 29,2024

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Job	Truss	Truss Type	Qty	Ply	TANNER - MYERS SHOP
3981492	CJ05	Jack-Open	8	1	T33684019
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 26 08:08:35 2024 Page 1
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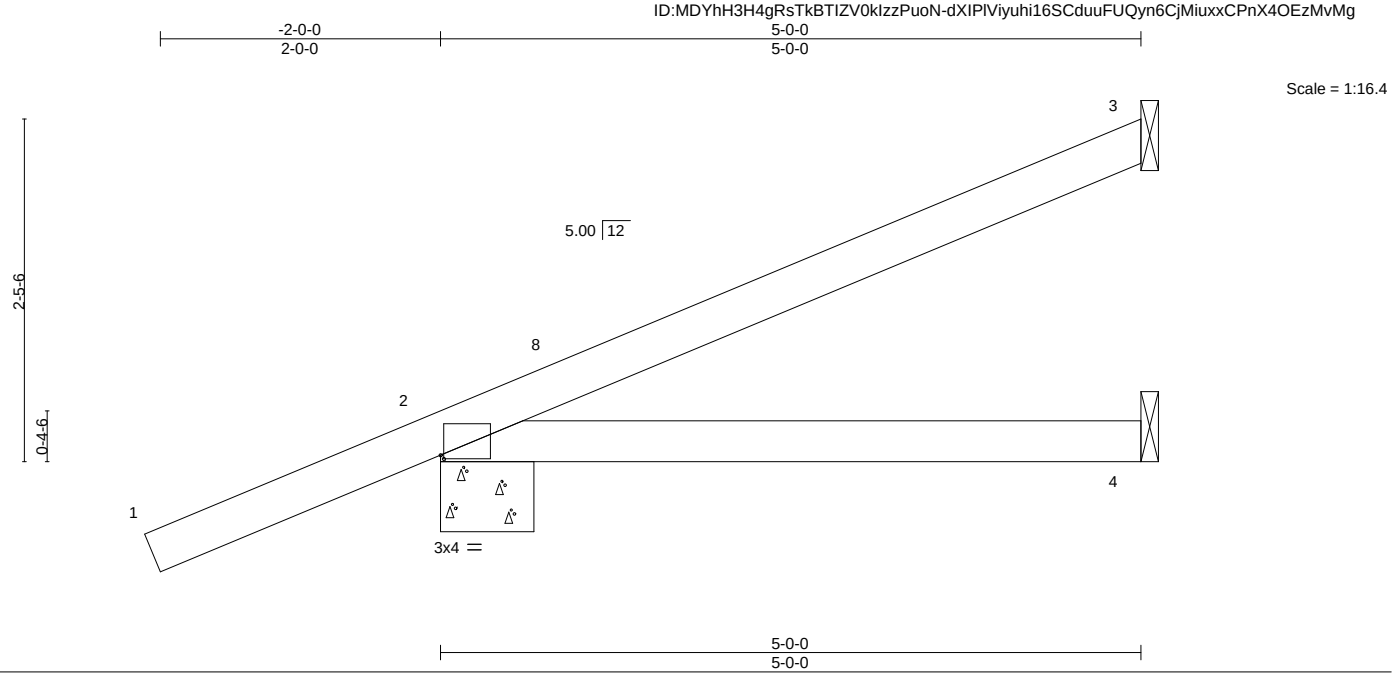

Plate Offsets (X,Y)-- [2:0-0-4,0-0-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	0.04	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	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=0-8-0, 4=Mechanical
Max Horz 2=184(LC 12)
Max Uplift 3=-128(LC 12), 2=-221(LC 12), 4=-5(LC 12)
Max Grav 3=107(LC 1), 2=317(LC 1), 4=86(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=170mph (3-second gust) Vasd=132mph; 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 -2-0-11 to 0-11-5, Zone1 0-11-5 to 4-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 128 lb uplift at joint 3, 221 lb uplift at joint 2 and 5 lb uplift at joint 4.

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Chesterfield, MO 63017
Date:

April 29,2024

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Job	Truss	Truss Type	Qty	Ply	TANNER - MYERS SHOP
3981492	CJ07	Jack-Open	8	1	T33684020
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 26 08:08:35 2024 Page 1
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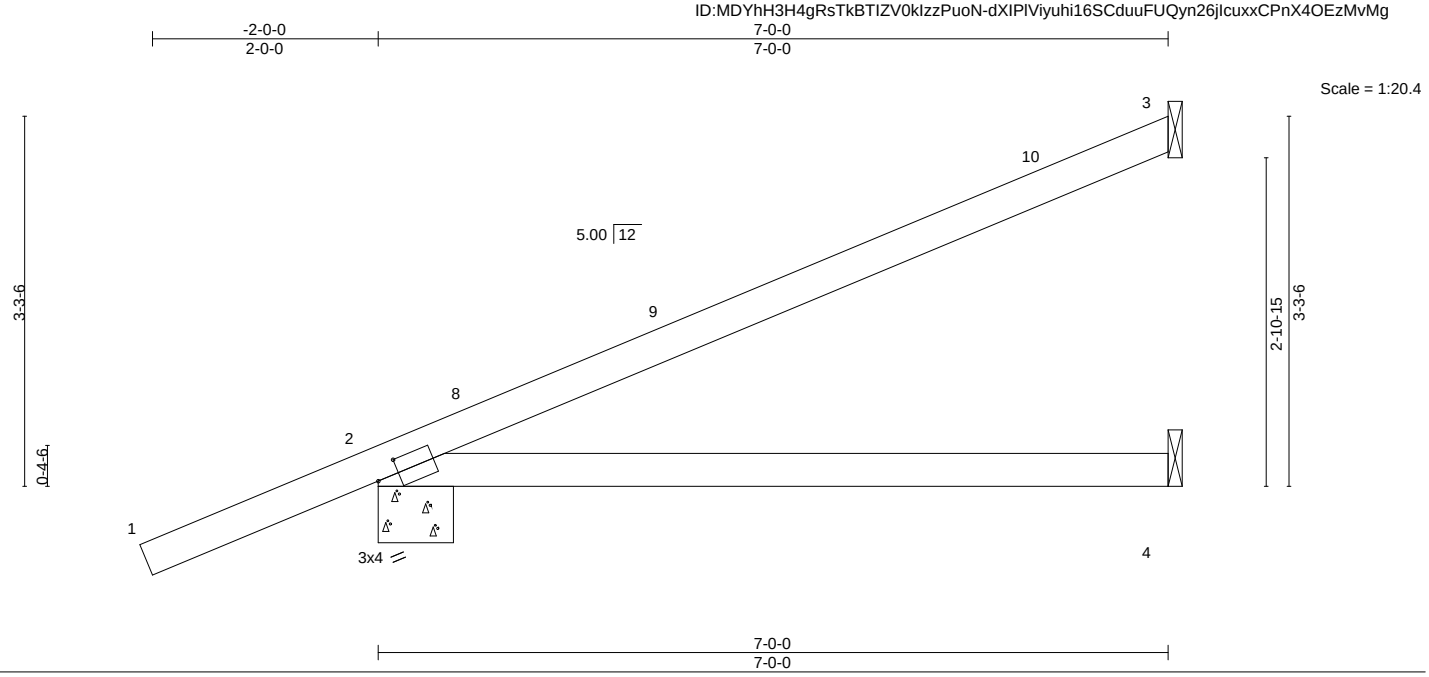

Plate Offsets (X,Y)-- [2:0-2-5,0-1-8]

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	0.80	Vert(LL)	0.16	4-7	>525	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.21	4-7	>401	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 25 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 5-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-8-0, 4=Mechanical
Max Horz 2=231(LC 12)
Max Uplift 3=-171(LC 12), 2=-256(LC 12), 4=-12(LC 12)
Max Grav 3=160(LC 1), 2=384(LC 1), 4=124(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=170mph (3-second gust) Vasd=132mph; 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 -2-0-11 to 0-11-5, Zone1 0-11-5 to 6-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint 3, 256 lb uplift at joint 2 and 12 lb uplift at joint 4.

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Chesterfield, MO 63017
Date:

April 29,2024

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	TANNER - MYERS SHOP
3981492	EJ01	Jack-Partial	16	1	T33684021
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 26 08:08:36 2024 Page 1
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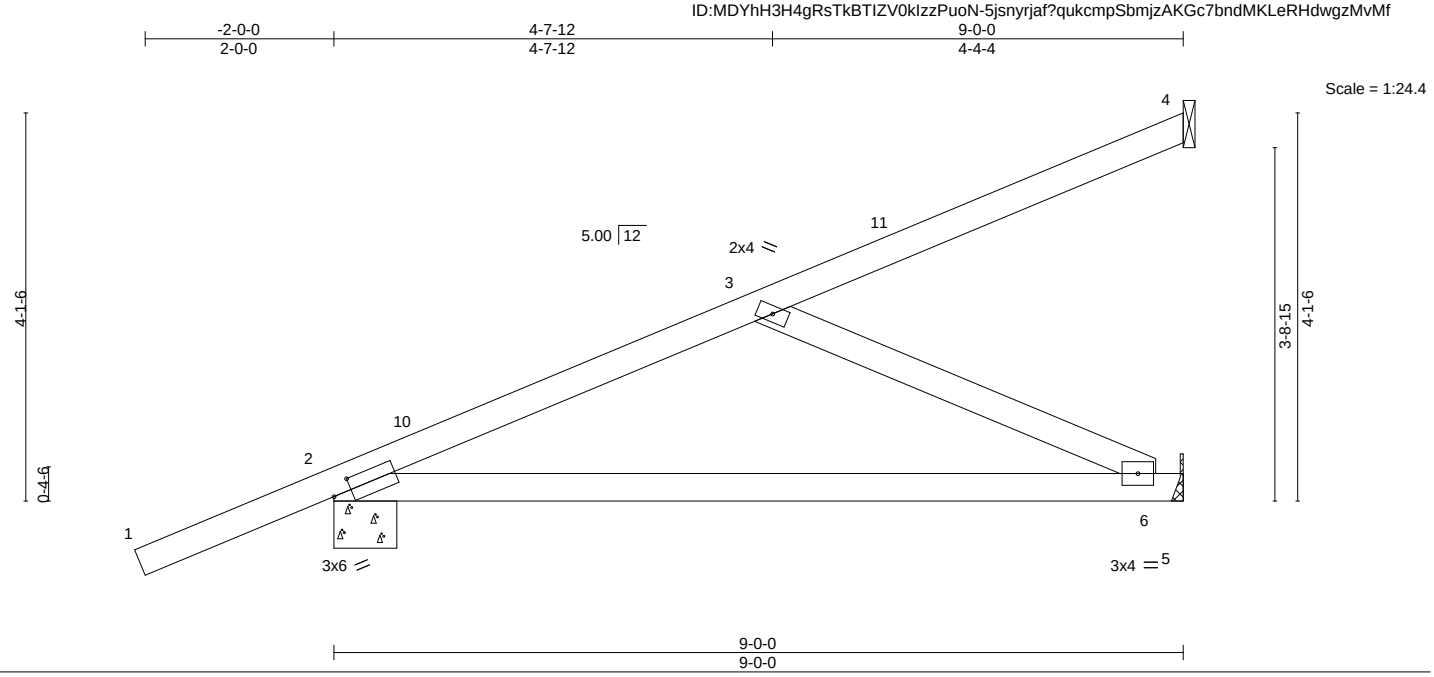

Plate Offsets (X,Y)-- [2:0-2-6,0-1-8]

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	0.62	Vert(LL)	-0.20	6-9	>540	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.40	6-9	>266	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 38 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 9-0-6 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-8-0, 5=Mechanical
Max Horz 2=270(LC 12)
Max Uplift 4=-90(LC 8), 2=-289(LC 12), 5=-127(LC 12)
Max Grav 4=91(LC 1), 2=454(LC 1), 5=228(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-401/241
BOT CHORD 2-6=-425/391
WEBS 3-6=-429/466

NOTES-
1) Wind: ASCE 7-22; Vult=170mph (3-second gust) Vasd=132mph; 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 -2-0-11 to 0-11-5, Zone1 0-11-5 to 8-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 90 lb uplift at joint 4, 289 lb uplift at joint 2 and 127 lb uplift at joint 5.

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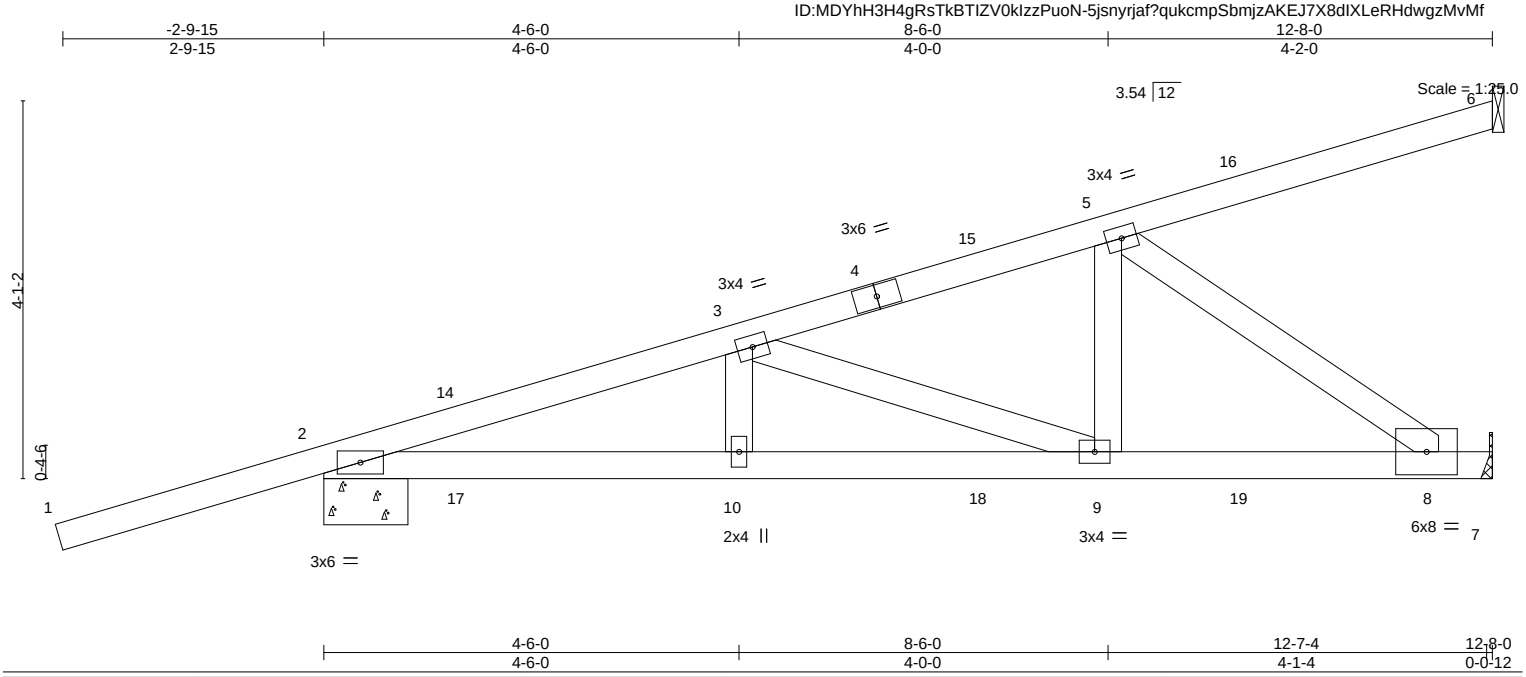
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

April 29,2024

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

Job	Truss	Truss Type	Qty	Ply	TANNER - MYERS SHOP
3981492	HJ13	Diagonal Hip Girder	4	1	T33684022
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 26 08:08:36 2024 Page 1
ID:MDYhH3H4gRsTkBTlZV0klzzPuoN-5jsnyrjaf?qukcmpSbmjzAKEJ7X8dlXLeRHdwgzMvMf



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	0.71	Vert(LL)	0.11	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.13	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.43	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 60 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 5-3-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-3-8 oc bracing.

REACTIONS. (size) 6=Mechanical, 2=0-10-15, 7=Mechanical
Max Horz 2=295(LC 25)
Max Uplift 6=-120(LC 10), 2=-486(LC 4), 7=-417(LC 8)
Max Grav 6=131(LC 1), 2=632(LC 1), 7=579(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1149/721, 3-5=-916/642
BOT CHORD 2-10=-794/1075, 9-10=-794/1075, 8-9=-691/861
WEBS 3-9=-411/111, 5-9=-175/519, 5-8=-1059/851

NOTES-
1) Wind: ASCE 7-22; Vult=170mph (3-second gust) Vasd=132mph; 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
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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 6, 486 lb uplift at joint 2 and 417 lb uplift at joint 7.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 140 lb down and 106 lb up at 1-6-1, 140 lb down and 106 lb up at 1-6-1, 32 lb down and 60 lb up at 4-4-0, 32 lb down and 60 lb up at 4-4-0, 58 lb down and 132 lb up at 7-1-15, 58 lb down and 132 lb up at 7-1-15, and 83 lb down and 176 lb up at 9-11-14, and 83 lb down and 176 lb up at 9-11-14 on top chord, and 76 lb down and 78 lb up at 1-6-1, 76 lb down and 78 lb up at 1-6-1, 34 lb down and 3 lb up at 4-4-0, 34 lb down and 3 lb up at 4-4-0, 39 lb down and 19 lb up at 7-1-15, 39 lb down and 19 lb up at 7-1-15, and 67 lb down and 33 lb up at 9-11-14, and 67 lb down and 33 lb up at 9-11-14 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: 1-6=-54, 7-11=-20

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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

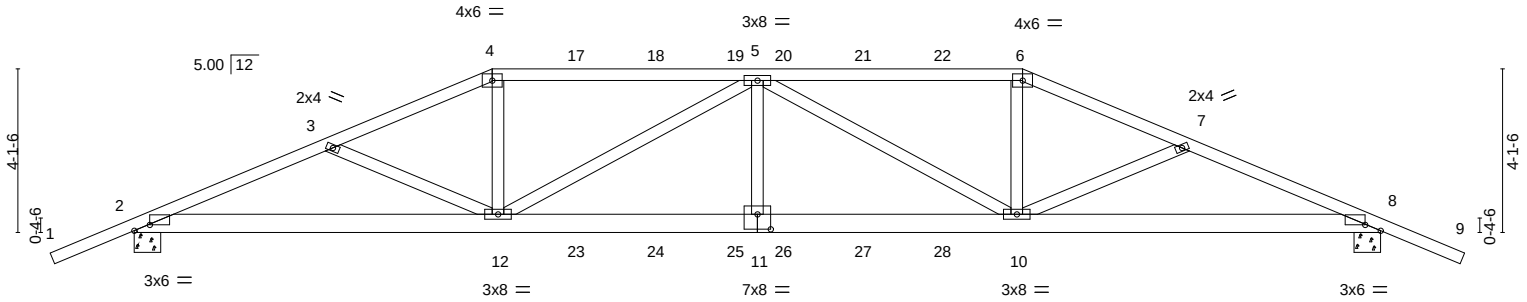
Vert: 10=5(F=3, B=3) 14=50(F=25, B=25) 15=-62(F=-31, B=-31) 16=-167(F=-83, B=-83) 17=72(F=36, B=36) 18=-48(F=-24, B=-24) 19=-104(F=-52, B=-52)

Job	Truss	Truss Type	Qty	Ply	TANNER - MYERS SHOP
3981492	T01	Hip Girder	2	2	T33684023
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 26 08:08:38 2024 Page 1
ID:MDYhH3H4gRsTkBTIZV0kIzzPuoN-16_XNXlqBc4bzvwBZ0oB2bPbAxFS5Cde5lmk?ZzMvMd

-2-0-0	4-11-15	9-0-0	15-8-0	22-4-0	26-4-1	31-4-0	33-4-0
2-0-0	4-11-15	4-0-1	6-8-0	6-8-0	4-0-1	4-11-15	2-0-0

Scale = 1:57.9



9-0-0	15-8-0	22-4-0	31-4-0
9-0-0	6-8-0	6-8-0	9-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	0.36	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.42	10-11	>891	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 356 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-2-10 oc bracing.

REACTIONS. (size) 2=0-8-0, 8=0-8-0
Max Horz 2=-132(LC 13)
Max Uplift 2=-1948(LC 8), 8=-1953(LC 9)
Max Grav 2=2812(LC 1), 8=2835(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6503/4483, 3-4=-6246/4281, 4-5=-5817/4057, 5-6=-5870/4065, 6-7=-6306/4292, 7-8=-6563/4494
BOT CHORD 2-12=-4131/5963, 11-12=-4759/7157, 10-11=-4759/7157, 8-10=-4009/6018
WEBS 3-12=-249/387, 4-12=-1298/2040, 5-12=-1637/1171, 5-11=-516/975, 5-10=-1560/1104, 6-10=-1264/2009, 7-10=-249/387

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=170mph (3-second gust) Vasd=132mph; 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 1948 lb uplift at joint 2 and 1953 lb uplift at joint 8.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 56 lb down and 85 lb up at 9-0-0, 37 lb down and 85 lb up at 11-0-12, 37 lb down and 85 lb up at 13-0-12, 37 lb down and 79 lb up at 15-0-12, 37 lb down and 79 lb up at 16-3-4, 37 lb down and 85 lb up at 18-3-4, and 37 lb down and 85 lb up at 20-3-4, and 138 lb down and 198 lb up at 22-4-0 on top chord, and 758 lb down and 593 lb up at 9-0-0, 207 lb down and 147 lb up at 11-0-12, 207 lb down and 147 lb up at 13-0-12, 207 lb down and 147 lb up at 15-0-12, 207 lb down and 147 lb up at 16-3-4, 207 lb down and 147 lb up at 18-3-4, and 207 lb down and 147 lb up at 20-3-4, and 758 lb down and 593 lb up at 22-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

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LOAD CASE(S) Standard

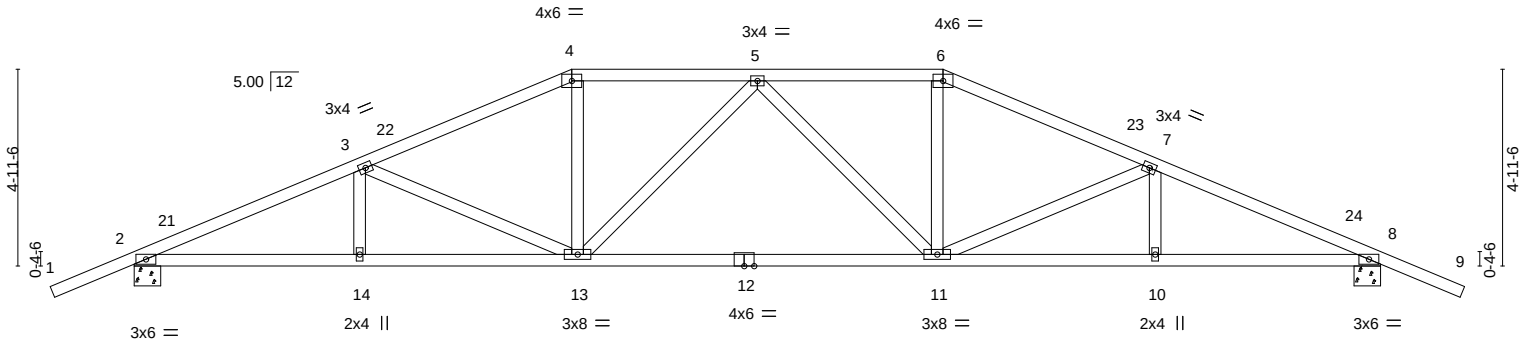
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-6=-54, 6-9=-54, 2-8=-20
   Concentrated Loads (lb)
   Vert: 4=-37(F) 6=-91(F) 12=-758(F) 10=-758(F) 17=-37(F) 18=-37(F) 19=-37(F) 20=-37(F) 21=-37(F) 22=-37(F) 23=-207(F) 24=-207(F) 25=-207(F) 26=-207(F) 27=-207(F) 28=-207(F)

Job	Truss	Truss Type	Qty	Ply	TANNER - MYERS SHOP
3981492	T02	Hip	2	1	T33684024
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 26 08:08:38 2024 Page 1
ID:MDYhH3H4gRsTkBTlZV0klzzPuoN-16_XNXlqBc4bzvwBZ0oB2bPeOxFA5DUe5lmk?ZzMvMd

-2-0-0	5-8-0	11-0-0	15-8-0	20-4-0	25-8-0	31-4-0	33-4-0
2-0-0	5-8-0	5-4-0	4-8-0	4-8-0	5-4-0	5-8-0	2-0-0

Scale = 1:57.9



5-8-0	11-0-0	20-4-0	25-8-0	31-4-0
5-8-0	5-4-0	9-4-0	5-4-0	5-8-0

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	0.48	Vert(LL)	-0.21	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.46	11-13	>810	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.10	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 157 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 3-6-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-1-14 oc bracing.

REACTIONS. (size) 2=0-8-0, 8=0-8-0
Max Horz 2=-156(LC 13)
Max Uplift 2=-788(LC 12), 8=-788(LC 13)
Max Grav 2=1270(LC 1), 8=1270(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2459/1403, 3-4=-1993/1117, 4-5=-1799/1095, 5-6=-1799/1095, 6-7=-1993/1118, 7-8=-2459/1404
BOT CHORD 2-14=-1312/2223, 13-14=-1312/2223, 11-13=-980/1929, 10-11=-1157/2223, 8-10=-1157/2223
WEBS 3-13=-487/457, 4-13=-238/494, 5-13=-302/275, 5-11=-302/275, 6-11=-237/494, 7-11=-487/458

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=170mph (3-second gust) Vasd=132mph; 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 -2-0-11 to 1-0-15, Zone1 1-0-15 to 11-0-0, Zone2 11-0-0 to 15-8-0, Zone1 15-8-0 to 20-4-0, Zone2 20-4-0 to 24-9-3, Zone1 24-9-3 to 33-4-11 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) 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 788 lb uplift at joint 2 and 788 lb uplift at joint 8.

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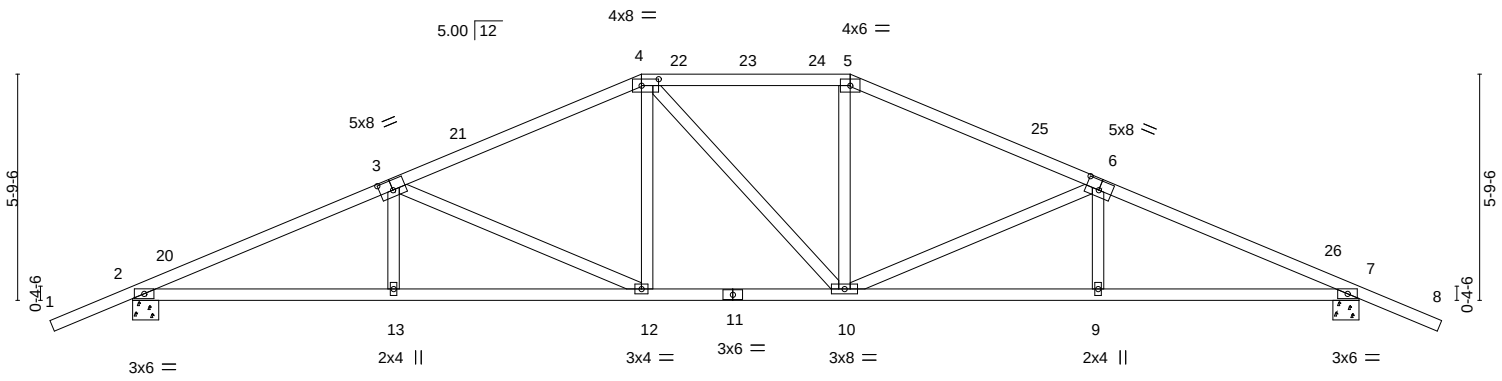
Job	Truss	Truss Type	Qty	Ply	TANNER - MYERS SHOP
3981492	T03	Hip	2	1	T33684025
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 26 08:08:39 2024 Page 1

ID:MDYhH3H4gRsTkBTIZV0kIzzPuoN-VIYwbtlSxwCSb3VO7kKQaoyn5KeRqcHnKPVIX?zMvMc

-2-0-0	6-8-0	13-0-0	18-4-0	24-8-0	31-4-0	33-4-0
2-0-0	6-8-0	6-4-0	5-4-0	6-4-0	6-8-0	2-0-0

Scale = 1:58.9



6-8-0	13-0-0	18-4-0	24-8-0	31-4-0
6-8-0	6-4-0	5-4-0	6-4-0	6-8-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	0.19	12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.28	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 157 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 3-5-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-1-12 oc bracing.

REACTIONS. (size) 2=0-8-0, 7=0-8-0
Max Horz 2=-179(LC 13)
Max Uplift 2=-785(LC 12), 7=-785(LC 13)
Max Grav 2=1270(LC 1), 7=1270(LC 1)

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

TOP CHORD	2-3=-2434/1368, 3-4=-1812/1007, 4-5=-1615/1001, 5-6=-1812/1007, 6-7=-2433/1369
BOT CHORD	2-13=-1293/2194, 12-13=-1292/2198, 10-12=-776/1614, 9-10=-1114/2197, 7-9=-1115/2194
WEBS	3-13=0/270, 3-12=-650/567, 4-12=-190/416, 5-10=-181/417, 6-10=-649/568, 6-9=0/269

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=170mph (3-second gust) Vasd=132mph; 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 -2-0-11 to 1-0-15, Zone1 1-0-15 to 13-0-0, Zone2 13-0-0 to 17-5-3, Zone1 17-5-3 to 18-4-0, Zone2 18-4-0 to 22-9-3, Zone1 22-9-3 to 33-4-11 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) 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 785 lb uplift at joint 2 and 785 lb uplift at joint 7.

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Job	Truss	Truss Type	Qty	Ply	TANNER - MYERS SHOP
3981492	T04	Hip	2	1	T33684026
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 26 08:08:40 2024 Page 1
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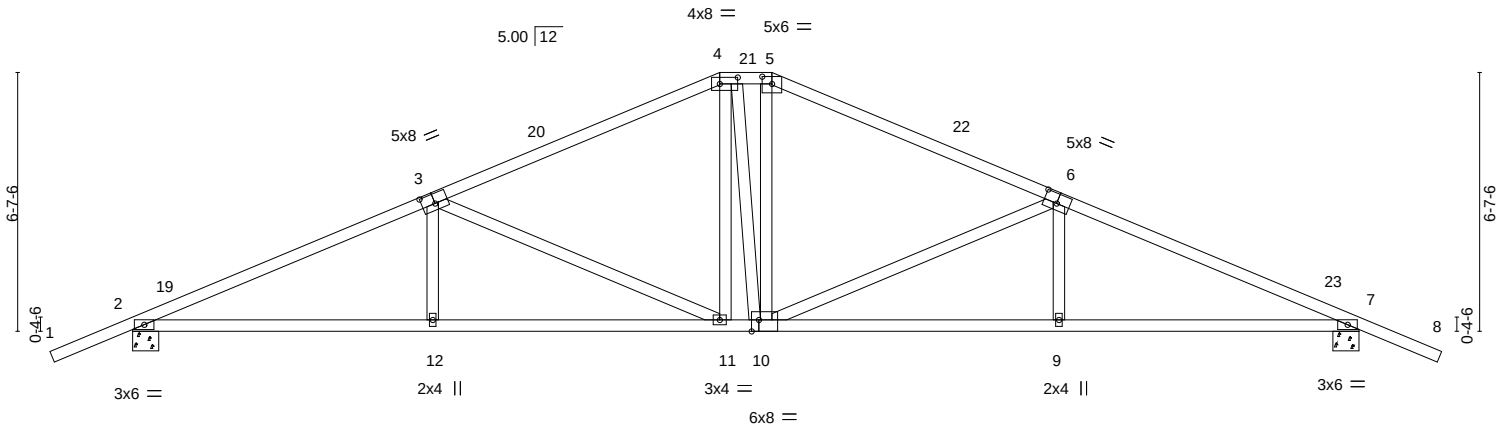
-2-0-0	7-8-0	15-0-0	16-4-0	23-8-0	31-4-0	33-4-0
2-0-0	7-8-0	7-4-0	1-4-0	7-4-0	7-8-0	2-0-0

Scale = 1:58.9



7-8-0	15-0-0	16-4-0	23-8-0	31-4-0
7-8-0	7-4-0	1-4-0	7-4-0	7-8-0

Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [4:0-5-8,0-2-0], [5:0-3-0,0-2-4], [6:0-4-0,0-3-0], [10:0-2-4,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	0.75	Vert(LL)	0.19	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.30	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 163 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 3-2-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-0-15 oc bracing.

REACTIONS. (size) 2=0-8-0, 7=0-8-0
Max Horz 2=-203(LC 13)
Max Uplift 2=-780(LC 12), 7=-780(LC 13)
Max Grav 2=1270(LC 1), 7=1270(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2386/1320, 3-4=-1640/894, 4-5=-1448/894, 5-6=-1633/892, 6-7=-2385/1320
BOT CHORD 2-12=-1259/2143, 11-12=-1259/2143, 10-11=-643/1443, 9-10=-1055/2142, 7-9=-1055/2142
WEBS 3-12=0/318, 3-11=-780/677, 4-11=-219/362, 5-10=-270/418, 6-10=-785/681, 6-9=0/318

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=170mph (3-second gust) Vasd=132mph; 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 -2-0-11 to 1-0-15, Zone1 1-0-15 to 15-0-0, Zone3 15-0-0 to 16-4-0, Zone2 16-4-0 to 20-9-3, Zone1 20-9-3 to 33-4-11 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) 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 780 lb uplift at joint 2 and 780 lb uplift at joint 7.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

April 29,2024

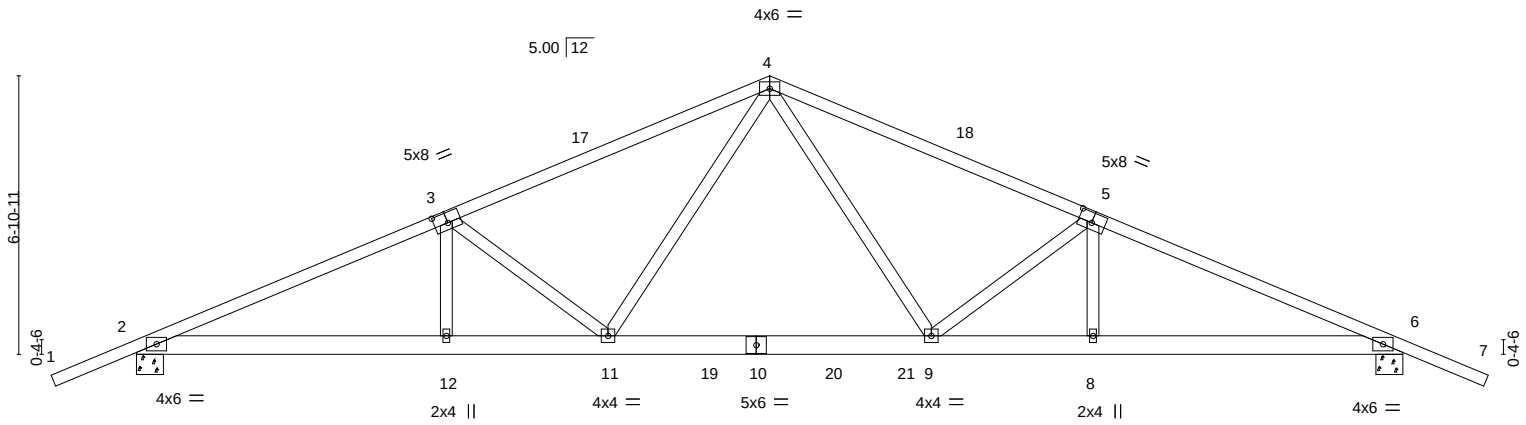
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	TANNER - MYERS SHOP
3981492	T05	Common	9	1	T33684027
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 26 08:08:40 2024 Page 1
ID:MDYhH3H4gRsTkBTIZV0kIzzPuoN-zV6IoDm4iDKJCD4ahRrf70UtMkwmZ2ixZ3Fr4RzMvMb

-2-0-0 7-8-0 15-8-0 23-8-0 31-4-0 33-4-0
2-0-0 7-8-0 8-0-0 8-0-0 7-8-0 2-0-0

Scale = 1:57.0



7-8-0 11-8-0 19-8-0 23-8-0 31-4-0
7-8-0 4-0-0 8-0-0 4-0-0 7-8-0

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	0.28	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.42	9-11	>891	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.67	Horz(CT)	0.09	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 175 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2850F 2.0E or 2x4 SP M 31 *Except* 1-3,5-7: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-5-13 oc bracing.

REACTIONS. (size) 2=0-8-0, 6=0-8-0
Max Horz 2=-211(LC 13)
Max Uplift 2=-936(LC 12), 6=-929(LC 13)
Max Grav 2=1545(LC 2), 6=1537(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3119/1760, 3-4=-2694/1534, 4-5=-2672/1515, 5-6=-3099/1743
BOT CHORD 2-12=-1672/2849, 11-12=-1671/2850, 9-11=-919/1893, 8-9=-1445/2831, 6-8=-1445/2830
WEBS 4-9=-573/972, 5-9=-561/555, 4-11=-604/1011, 3-11=-559/554

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=170mph (3-second gust) Vasd=132mph; 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 -2-0-11 to 0-11-14, Zone1 0-11-14 to 15-8-0, Zone2 15-8-0 to 20-1-3, Zone1 20-1-3 to 33-4-11 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) 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 936 lb uplift at joint 2 and 929 lb uplift at joint 6.
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, 2-11=-20, 11-21=-80(F=-60), 6-21=-20

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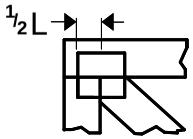
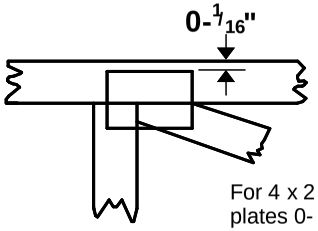
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

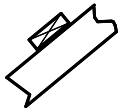
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

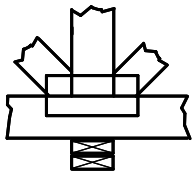
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

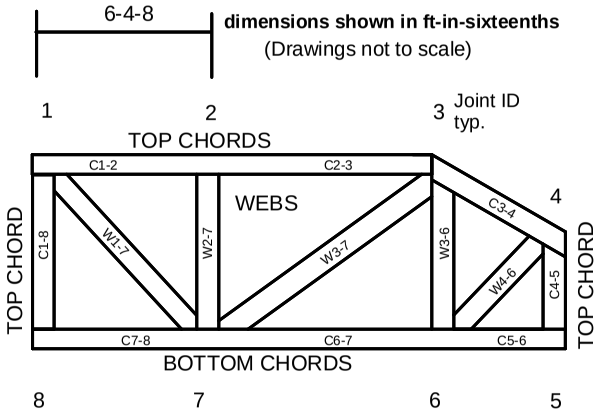


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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.

MiTek®

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.