

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

RE: 4813197 - CARUTHERS RES.

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

Site Information:

Customer Info: AMIRA CUSTOM HOMES Project Name: Caruthers Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 1138 SW Riverside Ave., 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: State:
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 8.8
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: 55.0 psf

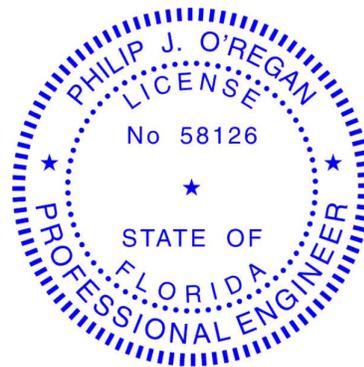
This package includes 41 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T38844358	CJ01	10/15/25	15	T38844372	F07	10/15/25
2	T38844359	CJ02	10/15/25	16	T38844373	HJ08	10/15/25
3	T38844360	CJ03	10/15/25	17	T38844374	HJ09	10/15/25
4	T38844361	CJ04	10/15/25	18	T38844375	KW1	10/15/25
5	T38844362	EJ01	10/15/25	19	T38844376	KW2	10/15/25
6	T38844363	EJ02	10/15/25	20	T38844377	T01	10/15/25
7	T38844364	EJ06	10/15/25	21	T38844378	T01A	10/15/25
8	T38844365	EJ07	10/15/25	22	T38844379	T02	10/15/25
9	T38844366	F01	10/15/25	23	T38844380	T02A	10/15/25
10	T38844367	F02	10/15/25	24	T38844381	T03	10/15/25
11	T38844368	F03	10/15/25	25	T38844382	T03A	10/15/25
12	T38844369	F04	10/15/25	26	T38844383	T04	10/15/25
13	T38844370	F05	10/15/25	27	T38844384	T05	10/15/25
14	T38844371	F06	10/15/25	28	T38844385	T06	10/15/25

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, 2027.



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.

October 15,2025

RE: 4813197 - CARUTHERS RES.

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

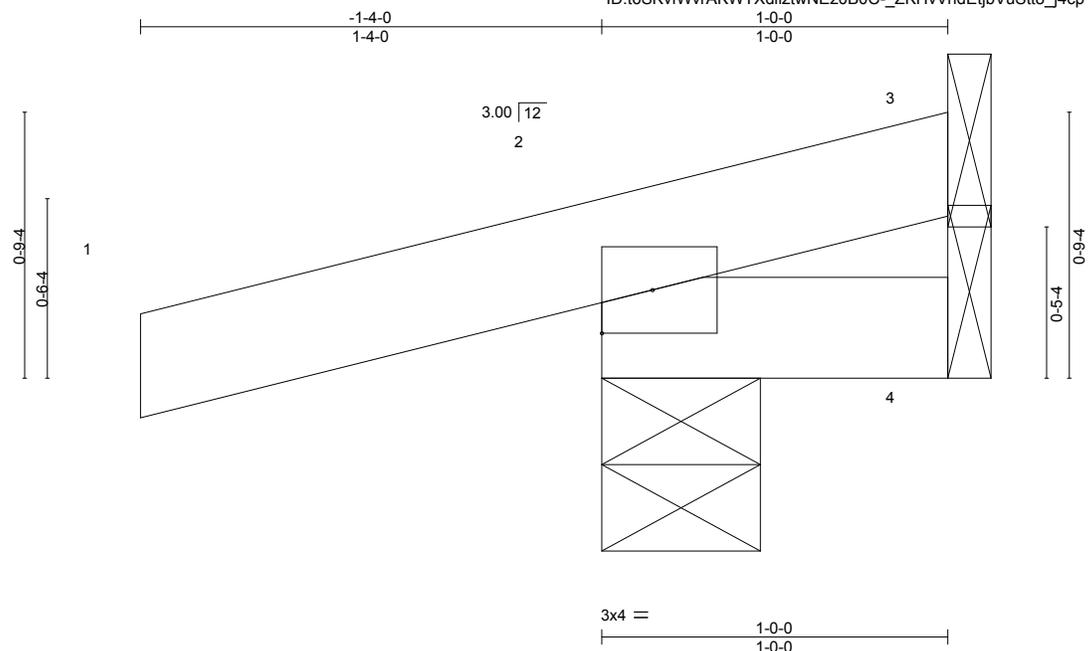
Site Information:

Customer Info: AMIRA CUSTOM HOMES Project Name: Caruthers Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 1138 SW Riverside Ave., N/A
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
29	T38844386	T07	10/15/25
30	T38844387	T08	10/15/25
31	T38844388	T09	10/15/25
32	T38844389	T10	10/15/25
33	T38844390	T11	10/15/25
34	T38844391	T12	10/15/25
35	T38844392	T13	10/15/25
36	T38844393	T13G	10/15/25
37	T38844394	T14	10/15/25
38	T38844395	T15	10/15/25
39	T38844396	T16	10/15/25
40	T38844397	TG01	10/15/25
41	T38844398	TG02	10/15/25

Job 4813197	Truss CJ01	Truss Type Jack-Open	Qty 8	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844358
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:38 2025 Page 1
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LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.15	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.04	Vert(LL) 0.00 7 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Vert(CT) 0.00 7 >999 180		
BCDL 10.0	Code FBC2023/TP12014	Matrix-MP	Horz(CT) 0.00 2 n/a n/a	Weight: 5 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
 Max Horz 2=27(LC 8)
 Max Uplift 3=-2(LC 13), 2=-104(LC 8), 4=-13(LC 1)
 Max Grav 3=6(LC 8), 2=174(LC 1), 4=17(LC 8)

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=32ft; 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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=104.

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:

October 15, 2025

Job 4813197	Truss CJ02	Truss Type Jack-Open	Qty 8	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844359
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:39 2025 Page 1
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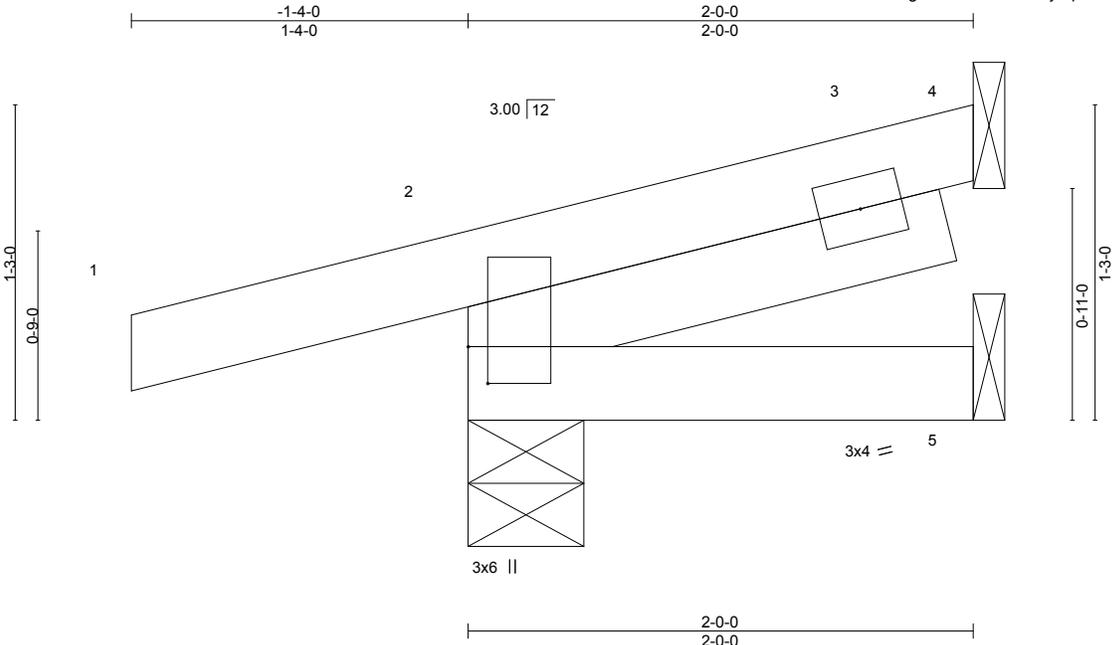


Plate Offsets (X,Y)--	[2:0-1-12,0-0-15]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.15	Vert(LL)	-0.00	8	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.02	Vert(CT)	-0.00	8	>999	180		
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: 11 lb	FT = 20%

LUMBER-	TOP CHORD	2x4 SP No.2	BRACING-	TOP CHORD	Structural wood sheathing directly applied or 2-0-0 oc purlins.
	BOT CHORD	2x4 SP No.2		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
	SLIDER	Left 2x4 SP No.3 1-11-8			

REACTIONS. (size) 4=Mechanical, 2=0-5-8, 5=Mechanical
 Max Horz 2=36(LC 8)
 Max Uplift 4=-23(LC 8), 2=-110(LC 8), 5=-11(LC 9)
 Max Grav 4=38(LC 1), 2=186(LC 1), 5=28(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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3-1-4-0 to 1-8-0, Zone1 1-8-0 to 1-11-14 zone; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=110.

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 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

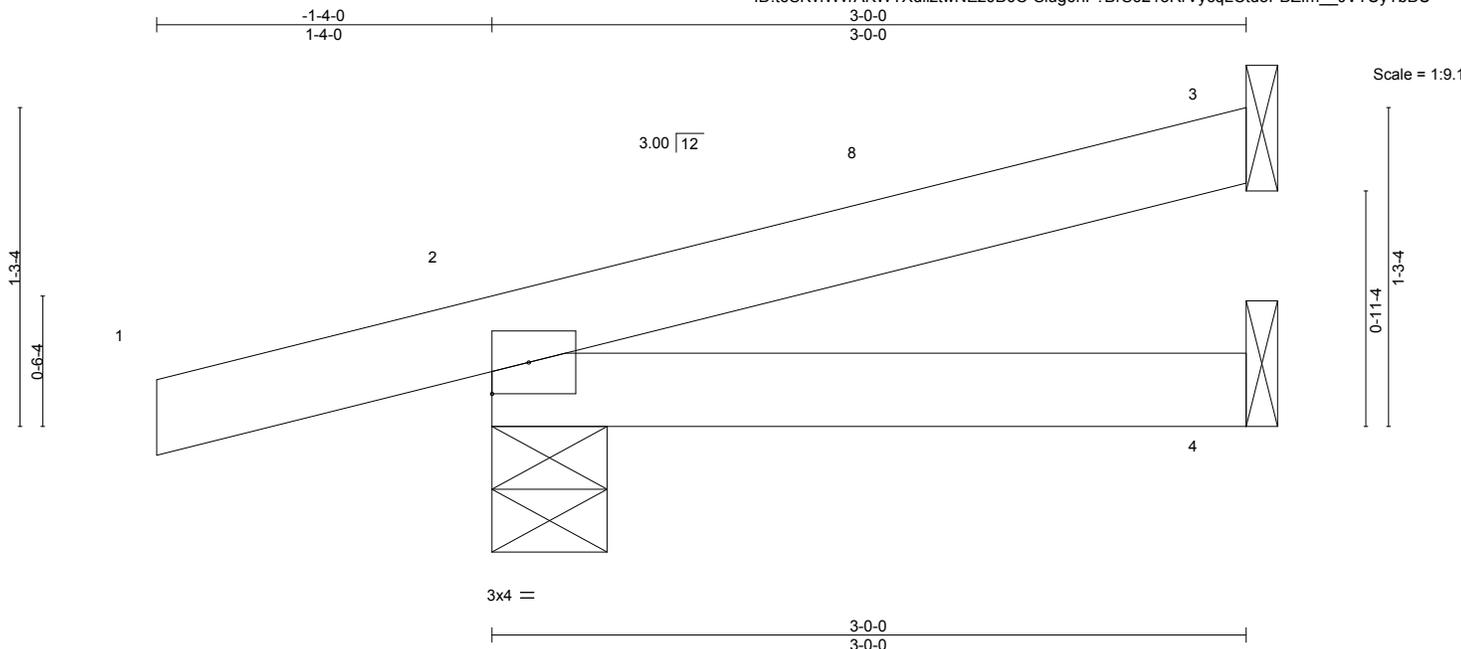
October 15, 2025

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>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.sbcsccomponents.com)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 4813197	Truss CJ03	Truss Type Jack-Open	Qty 8	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844360
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:39 2025 Page 1
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.15	Vert(LL)	0.01 4-7	>999	240	MT20	244/190
TCDL 10.0	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/TPJ2014		Matrix-MP					Weight: 11 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=46(LC 8)
Max Uplift 3=-38(LC 8), 2=-127(LC 8), 4=-19(LC 9)
Max Grav 3=70(LC 1), 2=216(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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 2-11-4 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=127.

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
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 15, 2025

<p>⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p style="font-size: x-small;">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/TPJ1 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.sbcsccomponents.com)</p>	<p style="font-size: x-small;">16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 4813197	Truss CJ04	Truss Type Jack-Open	Qty 8	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844361
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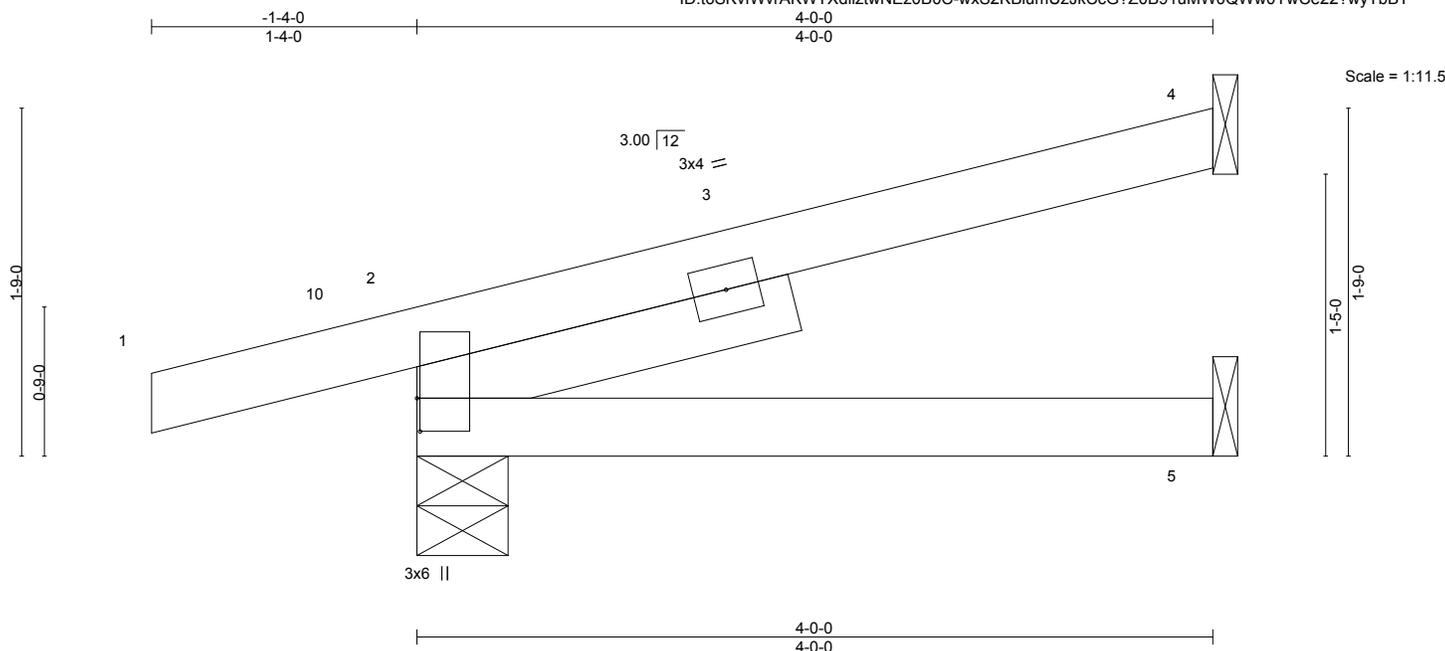


Plate Offsets (X,Y)--	[2:0-2-0,0-0-3]					
LOADING (psf)	SPACING-	CSI.	DEFL.		PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	in (loc) l/def L/d		MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.15	Vert(LL) 0.02 5-8 >999 240			
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Vert(CT) -0.02 5-8 >999 180			
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) -0.01 2 n/a n/a			
	Code FBC2023/TPI2014				Weight: 17 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
SLIDER Left 2x4 SP No.3 1-11-8	

REACTIONS. (size) 4=Mechanical, 2=0-5-8, 5=Mechanical
 Max Horz 2=55(LC 8)
 Max Uplift 4=-57(LC 8), 2=-141(LC 8), 5=-28(LC 8)
 Max Grav 4=99(LC 1), 2=251(LC 1), 5=67(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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 3-11-4 zone; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=141.

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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:

October 15, 2025

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Job 4813197	Truss EJ01	Truss Type Jack-Partial	Qty 27	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844362
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:40 2025 Page 1

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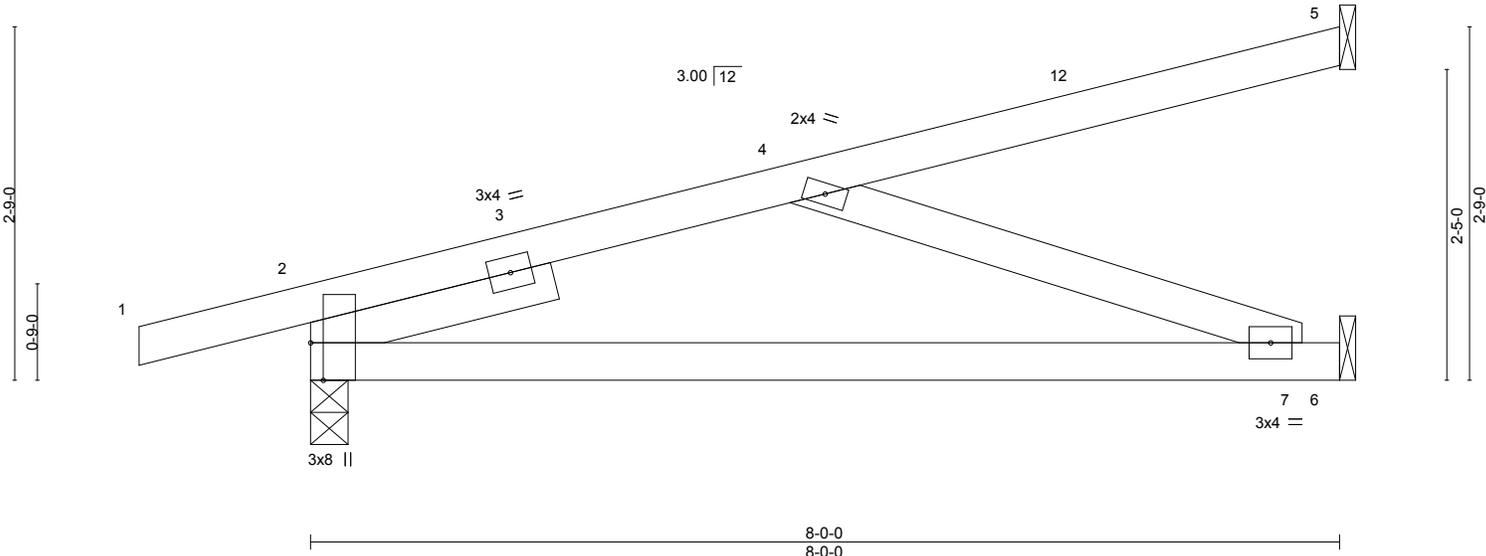


Plate Offsets (X,Y)--	[2:0-3-8,Edge]
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LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.24	Vert(LL) 0.11	7-10	>840	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.56	Vert(CT) -0.21	7-10	>461	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.17	Horz(CT) 0.01	2	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS					Weight: 35 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-11-4 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-3-8, 6=Mechanical
 Max Horz 2=94(LC 8)
 Max Uplift 5=-55(LC 8), 2=-217(LC 8), 6=-124(LC 8)
 Max Grav 5=105(LC 1), 2=404(LC 1), 6=210(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-676/437
 BOT CHORD 2-7=-484/444
 WEBS 4-7=-470/513

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 7-11-4 zone; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) 5 except (jt=lb) 2=217, 6=124.

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 Date:

October 15, 2025

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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MiTek®

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

Job 4813197	Truss EJ02	Truss Type Jack-Closed Girder	Qty 4	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844363
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:41 2025 Page 1

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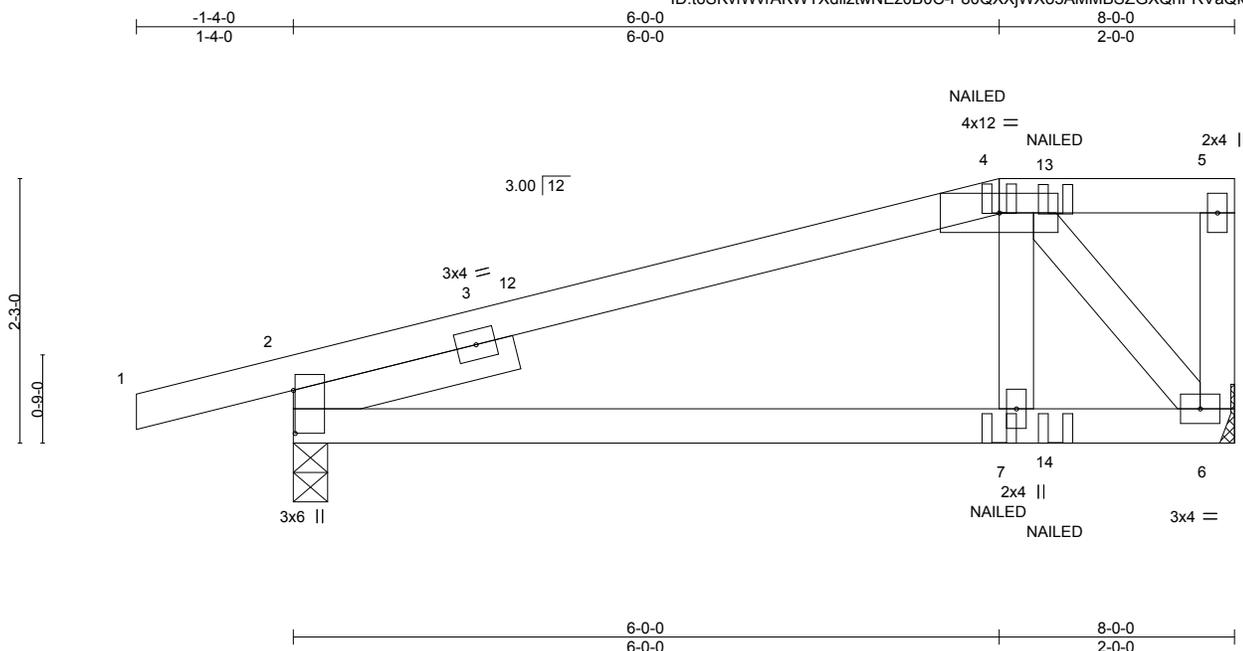


Plate Offsets (X, Y)--	[2:0-4-6, 0-0-3]	6-0-0 6-0-0	8-0-0 2-0-0
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.33	Vert(LL)	0.04	7-10	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.31	Vert(CT)	-0.05	7-10	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.17	Horz(CT)	-0.01	2	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS					Weight: 37 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 1-11-8	

REACTIONS. (size) 6=Mechanical, 2=0-3-8
 Max Horz 2=75(LC 4)
 Max Uplift 6=-367(LC 4), 2=-270(LC 4)
 Max Grav 6=611(LC 1), 2=478(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-560/306
 BOT CHORD 2-7=-316/521, 6-7=-333/548
 WEBS 4-7=-227/424, 4-6=-786/479

- 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=32ft; 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) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=367, 2=270.
 - 9) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 10) 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=-60, 4-5=-60, 6-8=-20
Concentrated Loads (lb)
Vert: 7=-191(F) 4=-42(F) 13=-95(F) 14=-53(F)

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:

October 15, 2025

Job 4813197	Truss EJ06	Truss Type Jack-Open	Qty 4	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844364
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:41 2025 Page 1

ID:t6SKvfWvrAKWTXdliztwNEz0B0C-P80QXXjWXo5AMMBSZGXQhFRTJQjTfTn3RlobXMyTbBS



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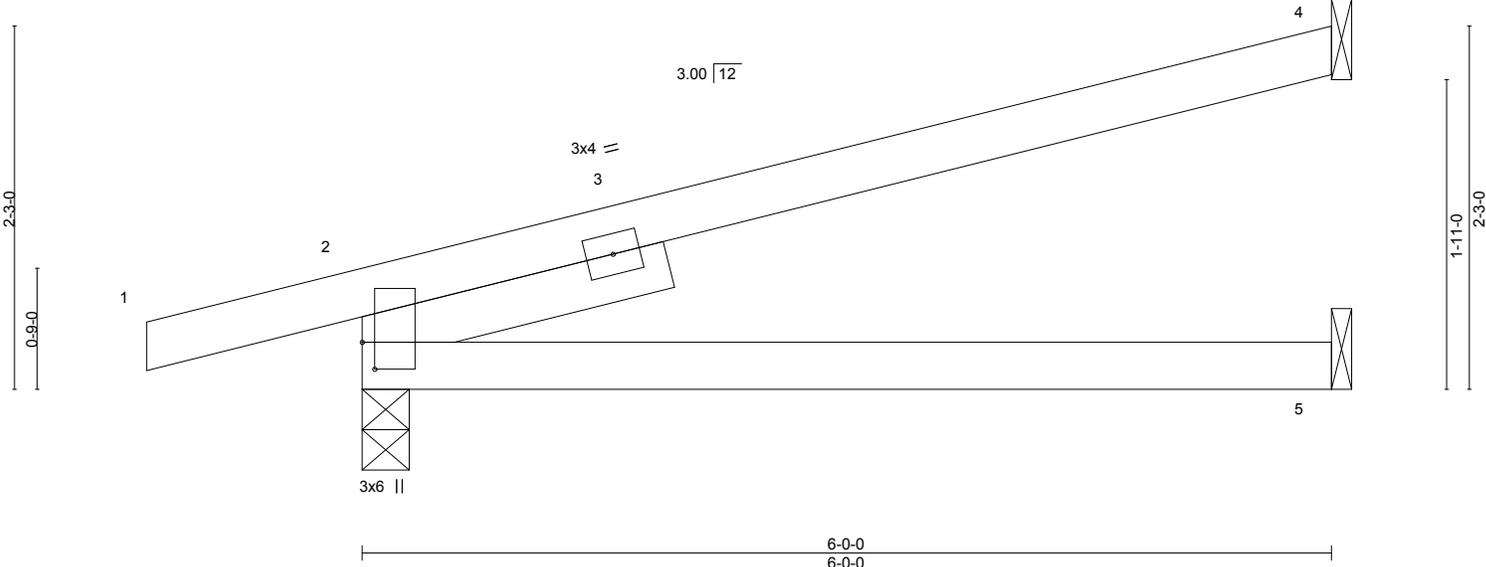


Plate Offsets (X, Y)--	[2:0-2-0,0-0-15]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.51	Vert(LL)	0.12	5-8	>574	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.36	Vert(CT)	-0.12	5-8	>614		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.03	4	n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MP						
								Weight: 23 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
SLIDER Left 2x4 SP No.3 1-11-8	

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
 Max Horz 2=75(LC 8)
 Max Uplift 4=-87(LC 8), 2=-178(LC 8), 5=-45(LC 8)
 Max Grav 4=155(LC 1), 2=326(LC 1), 5=106(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-280/93

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 5-11-4 zone; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=178.

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 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

October 15, 2025

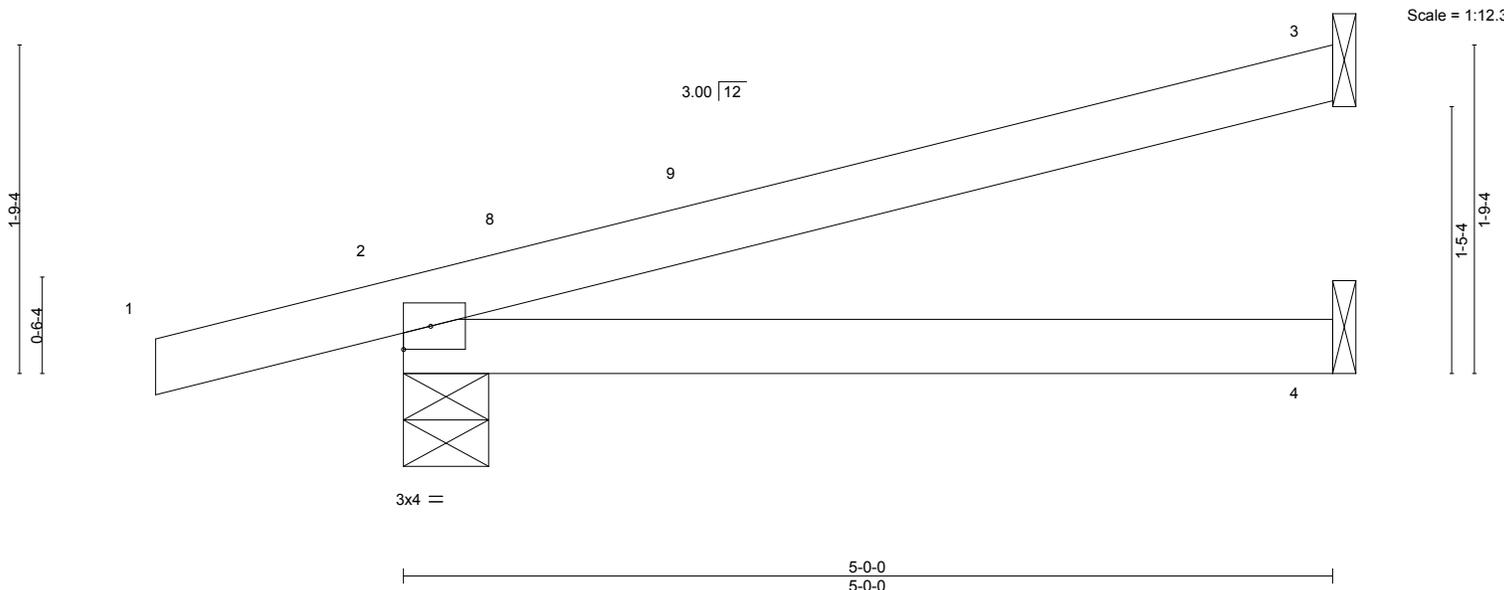
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.sbcsccomponents.com)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 4813197	Truss EJ07	Truss Type Jack-Partial	Qty 4	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844365
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:42 2025 Page 1

ID:t6SKvfWvrAKWTXdliztwNEz0B0C-tKaoltk8H6D1zWme6_2fESzq0q5LOw1DgyX94pyTbBR



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)	0.06 4-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.25	Vert(CT)	-0.06 4-7	>999	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/TPJ2014		Matrix-MP					Weight: 17 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=65(LC 8)
Max Uplift 3=-71(LC 8), 2=-162(LC 8), 4=-35(LC 8)
Max Grav 3=128(LC 1), 2=288(LC 1), 4=90(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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 4-11-4 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=162.

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

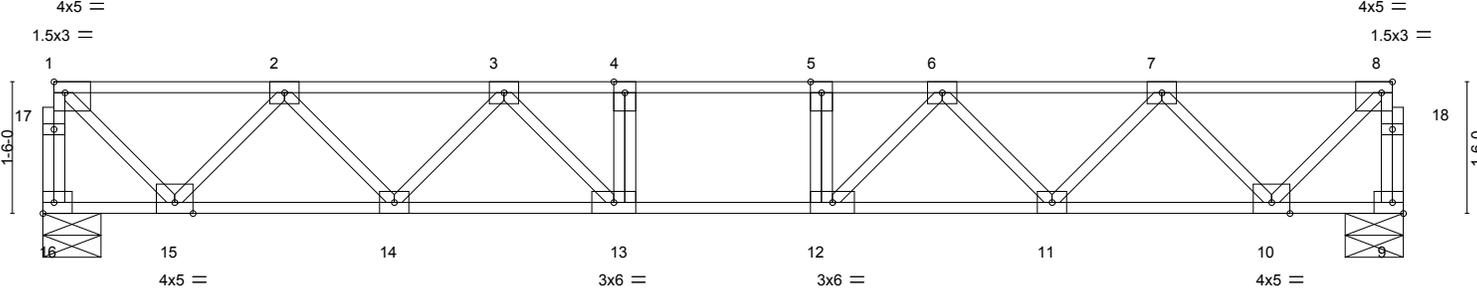
October 15, 2025

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Job 4813197	Truss F01	Truss Type FLOOR	Qty 6	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844366
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:42 2025 Page 1
ID: t6SKvWvrAKWTXdliztwNEz0B0C-tKaoltk8H6D1zWme6_2fESzccqy0OpaDgyX94pyTbBR



1-6-0	4-0-0	8-11-14	11-5-14	13-11-14	15-5-14
1-6-0	2-6-0	4-11-14	2-6-0	2-6-0	1-6-0

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.63	Vert(LL)	-0.15 13-14 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.78	Vert(CT)	-0.19 13-14 >970 240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.48	Horz(CT)	0.04 9 n/a n/a		
BCDL 5.0	Code	FBC2023/TPI2014	Matrix-S				
						Weight: 86 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 16=0-7-15, 9=0-7-15
Max Grav 16=832(LC 1), 9=832(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-827/0, 8-9=-827/0, 1-2=-730/0, 2-3=-1741/0, 3-4=-2292/0, 4-5=-2292/0, 5-6=-2292/0, 6-7=-1741/0, 7-8=-730/0
BOT CHORD 14-15=0/1371, 13-14=0/2087, 12-13=0/2292, 11-12=0/2087, 10-11=0/1371
WEBS 8-10=0/1002, 1-15=0/1002, 7-10=-953/0, 2-15=-953/0, 7-11=0/550, 2-14=0/550, 6-11=-514/0, 3-14=-514/0, 6-12=0/521, 3-13=0/521, 4-13=-274/0, 5-12=-274/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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

October 15, 2025

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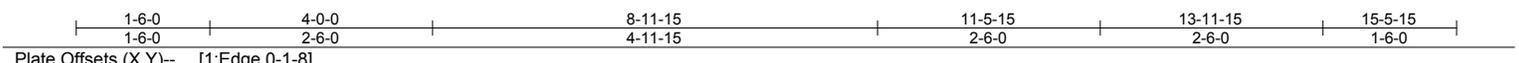
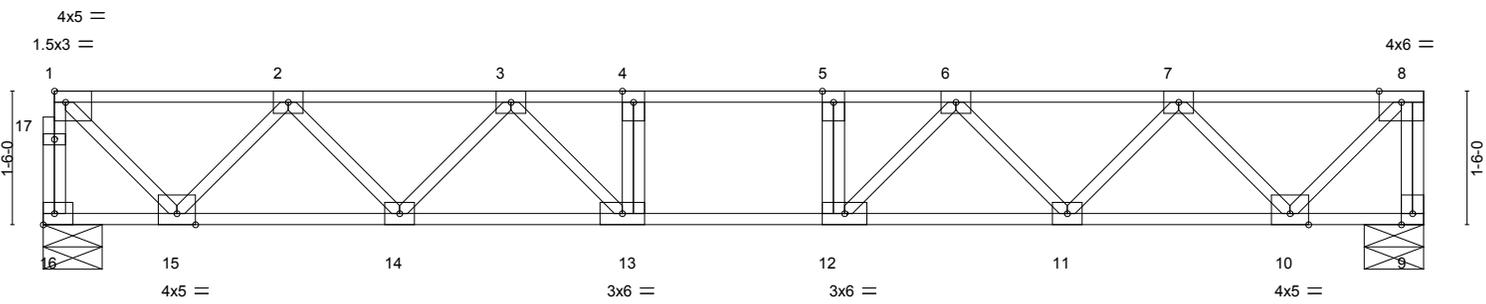
Job 4813197	Truss F02	Truss Type FLOOR	Qty 17	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844367
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:43 2025 Page 1
ID:t6SKvfwvrAKWtXdliztwNEz0B0C-LW8AyDlm2PLubflRghaugWnKEID7GdMucHicFyTbBQ



Scale = 1:25.7



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.63	Vert(LL) -0.15 11-12 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.79	Vert(CT) -0.19 11-12 >966 240		
BCLL 0.0	Rep Stress Incr YES	WB 0.49	Horz(CT) 0.04 9 n/a n/a		
BCDL 5.0	Code FBC2023/TPI2014	Matrix-S			
				Weight: 87 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 16=0-7-15, 9=0-8-0
Max Grav 16=832(LC 1), 9=838(LC 1)

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

TOP CHORD 1-16=-827/0, 8-9=-833/0, 1-2=-730/0, 2-3=-1742/0, 3-4=-2293/0, 4-5=-2293/0, 5-6=-2293/0, 6-7=-1742/0, 7-8=-729/0

BOT CHORD 14-15=0/1371, 13-14=0/2088, 12-13=0/2293, 11-12=0/2087, 10-11=0/1373

WEBS 8-10=0/1031, 1-15=0/1003, 7-10=-958/0, 2-15=-953/0, 7-11=0/549, 2-14=0/551, 6-11=-513/0, 3-14=-514/0, 6-12=0/522, 3-13=0/522, 4-13=-274/0, 5-12=-274/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) CAUTION, Do not erect truss backwards.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
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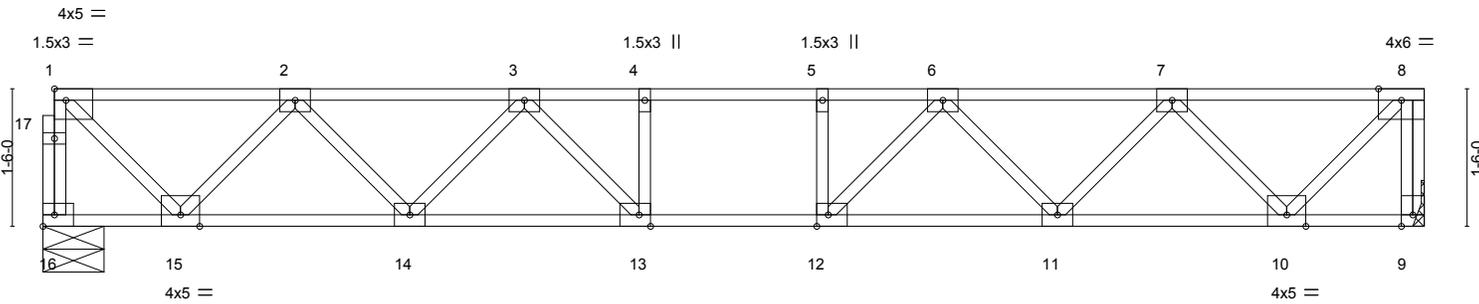
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Job 4813197	Truss F03	Truss Type FLOOR	Qty 7	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844368
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:43 2025 Page 1
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1-6-0	4-0-0	11-0-12	13-6-12	15-0-12
1-6-0	2-6-0	7-0-12	2-6-0	1-6-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [12:0-1-8,Edge], [13:0-1-8,Edge]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.52	Vert(LL)	-0.12	11-12	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.70	Vert(CT)	-0.16	11-12	>999		
BCLL 0.0	Rep Stress Incr	YES	WB 0.47	Horz(CT)	0.03	9	n/a		
BCDL 5.0	Code	FBC2023/TPI2014	Matrix-S						
								Weight: 82 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 16=0-8-0, 9=Mechanical
Max Grav 16=808(LC 1), 9=815(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=804/0, 8-9=809/0, 1-2=-706/0, 2-3=-1675/0, 3-4=-2170/0, 4-5=-2170/0, 5-6=-2170/0, 6-7=-1676/0, 7-8=-705/0
BOT CHORD 14-15=0/1326, 13-14=0/2000, 12-13=0/2170, 11-12=0/2000, 10-11=0/1327
WEBS 8-10=0/997, 1-15=0/970, 7-10=-925/0, 2-15=-921/0, 7-11=0/518, 2-14=0/519, 6-11=-481/0, 3-14=-483/0, 6-12=-18/466, 3-13=-19/466

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) CAUTION, Do not erect truss backwards.

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:

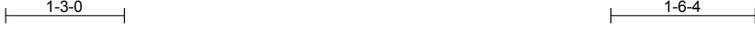
October 15, 2025

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p style="font-size: x-small;">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.sbcsccomponents.com)</p>	<p style="font-size: x-small;">16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 4813197	Truss F04	Truss Type FLOOR	Qty 13	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844369
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:44 2025 Page 1
ID:t6SKvFWvrAKWTXdliztwNEz0B0C-pjhY9ZIOpjTIDpw1EP57Jt2?CegdsjIV7G0G8hyTbBP



Scale: 1/2"=1'

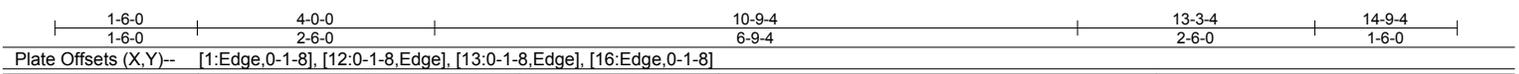
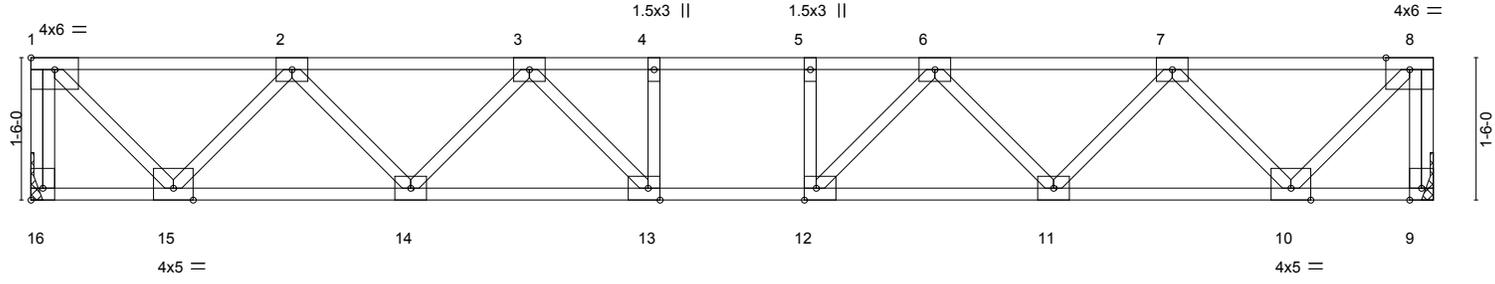


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [12:0-1-8,Edge], [13:0-1-8,Edge], [16:Edge,0-1-8]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00		TC 0.43	Vert(LL) -0.10	13-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.00		BC 0.65	Vert(CT) -0.13	13-14	>999	240		
BCLL 0.0	Rep Stress Incr YES		WB 0.46	Horz(CT) 0.03	9	n/a	n/a		
BCDL 5.0	Code FBC2023/TPI2014		Matrix-S						
								Weight: 81 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 16=Mechanical, 9=Mechanical
Max Grav 16=799(LC 1), 9=799(LC 1)

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

TOP CHORD 1-16=-793/0, 8-9=-793/0, 1-2=-689/0, 2-3=-1631/0, 3-4=-2090/0, 4-5=-2090/0, 5-6=-2090/0, 6-7=-1631/0, 7-8=-689/0

BOT CHORD 14-15=0/1297, 13-14=0/1941, 12-13=0/2090, 11-12=0/1941, 10-11=0/1297

WEBS 8-10=0/974, 1-15=0/974, 7-10=-904/0, 2-15=-904/0, 7-11=0/497, 2-14=0/497, 6-11=-460/0, 3-14=-460/0, 6-12=-38/424, 3-13=-38/424

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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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:

October 15, 2025

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

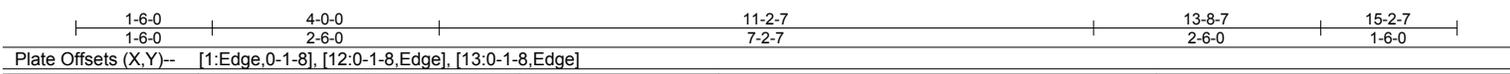
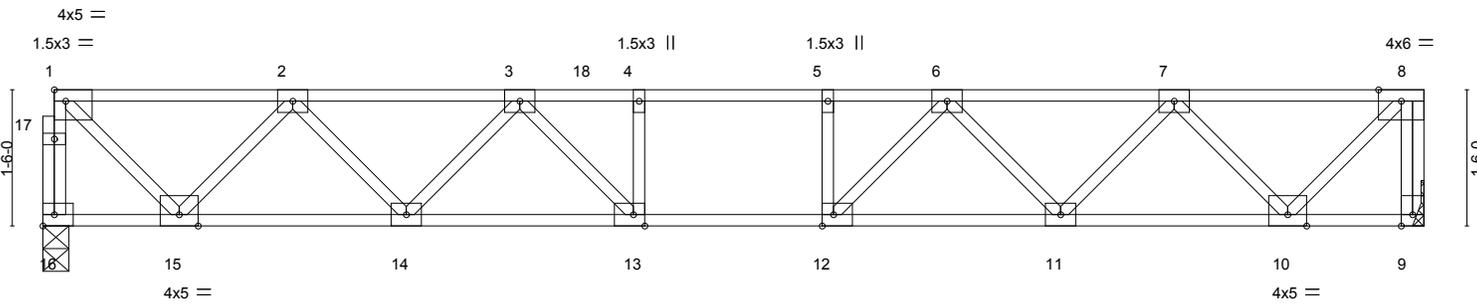
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Chesterfield, MO 63017
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Job 4813197	Truss F05	Truss Type FLOOR	Qty 21	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844370
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:44 2025 Page 1
ID:t6SKvFWrAKWTXdliztwNEz0B0C-pjhY9ZlOpjTIDpw1EP57Jt2?bejJsi_V7G0G8hyTbBP



LOADING (psf)		SPACING- 1-4-0	CSI.	DEFL. in (loc) l/def L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL 1.00	TC 0.40	Vert(LL) -0.13 13-14 >999 360	MT20	244/190
TCDL	10.0	Lumber DOL 1.00	BC 0.47	Vert(CT) -0.17 13-14 >999 240		
BCLL	0.0	Rep Stress Incr NO	WB 0.55	Horz(CT) 0.03 9 n/a n/a		
BCDL	5.0	Code FBC2023/TPI2014	Matrix-S			
					Weight: 82 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 16=0-3-7, 9=Mechanical
Max Grav 16=1010(LC 1), 9=664(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-16=-1003/0, 8-9=-662/0, 1-2=-840/0, 2-3=-1906/0, 3-4=-2098/0, 4-5=-2098/0, 5-6=-2098/0, 6-7=-1443/0, 7-8=-594/0
 BOT CHORD 14-15=0/1594, 13-14=0/2174, 12-13=0/2098, 11-12=0/1784, 10-11=0/1113
 WEBS 8-10=0/840, 1-15=0/1151, 7-10=-772/0, 2-15=-1122/0, 7-11=0/490, 2-14=0/464, 6-11=-507/0, 3-14=-398/0, 6-12=0/603, 3-13=-291/246, 5-12=-305/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) CAUTION, Do not erect truss backwards.
 - 6) 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 9-16=-7, 1-18=-167(F=-100), 8-18=-67

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.

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

October 15, 2025

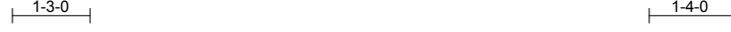
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Job 4813197	Truss F06	Truss Type FLOOR	Qty 8	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844371
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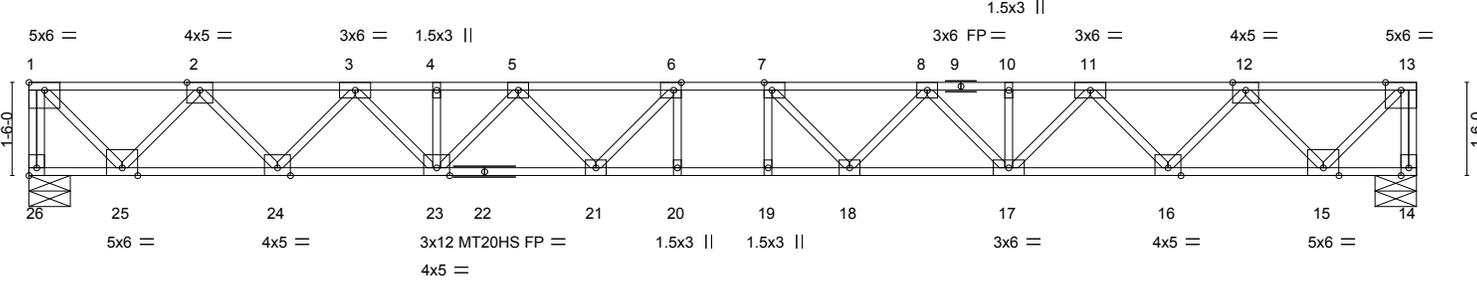
Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:45 2025 Page 1

ID:t6SKvfwvrAKWTXdliztwNEz0B0C-HvFxNvm0a1bbqzUDo6cMs5bBH10Pb6BfMwmpg7yTbBO



Scale = 1:36.9



1-6-0	4-0-0	9-1-8	13-2-8	18-4-0	20-10-0	22-4-0
1-6-0	2-6-0	5-1-8	4-1-0	5-1-8	2-6-0	1-6-0

Plate Offsets (X, Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge], [26:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.34	Vert(LL)	-0.34 19-20	>777	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.61	Vert(CT)	-0.47 19-20	>565	240	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	YES	WB 0.74	Horz(CT)	0.09 14	n/a	n/a		
BCDL 5.0	Code	FBC2023/TPI2014	Matrix-S						
								Weight: 123 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 26=0-8-0, 14=0-8-0
Max Grav 26=1215(LC 1), 14=1215(LC 1)

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

TOP CHORD 1-26=-1208/0, 13-14=-1208/0, 1-2=-1103/0, 2-3=-2800/0, 3-4=-4021/0, 4-5=-4021/0, 5-6=-4672/0, 6-7=-4870/0, 7-8=-4672/0, 8-10=-4021/0, 10-11=-4021/0, 11-12=-2800/0, 12-13=-1103/0

BOT CHORD 24-25=0/2088, 23-24=0/3489, 21-23=0/4463, 20-21=0/4870, 19-20=0/4870, 18-19=0/4870, 17-18=0/4463, 16-17=0/3489, 15-16=0/2088

WEBS 13-15=0/1560, 1-25=0/1560, 12-15=-1464/0, 2-25=-1464/0, 12-16=0/1060, 2-24=0/1060, 11-16=-1024/0, 3-24=-1024/0, 11-17=0/770, 3-23=0/770, 8-17=-640/0, 5-23=-640/0, 8-18=0/470, 5-21=0/470, 7-18=-579/136, 6-21=-579/136

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 3x4 MT20 unless otherwise indicated.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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

October 15, 2025

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Job 4813197	Truss F07	Truss Type FLOOR	Qty 11	Ply 1	CARUTHERS RES. Job Reference (optional) T38844372
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:45 2025 Page 1

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Scale = 1:35.1

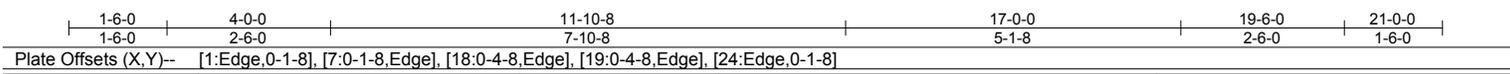
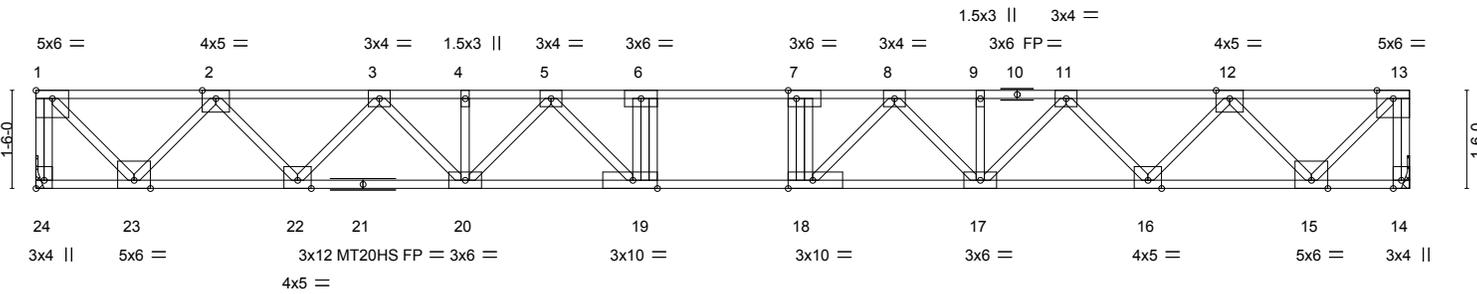


Plate Offsets (X, Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [18:0-4-8,Edge], [19:0-4-8,Edge], [24:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.42	Vert(LL) -0.27 19-20	>924 360	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.56	Vert(CT) -0.37 18-19	>673 240	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	YES	WB 0.69	Horz(CT) 0.07 14	n/a n/a		
BCDL 5.0	Code	FBC2023/TPI2014	Matrix-S				
						Weight: 122 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31 (flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31 (flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 (flat)	

REACTIONS. (size) 24=Mechanical, 14=Mechanical
Max Grav 24=1141(LC 1), 14=1141(LC 1)

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

TOP CHORD 1-24=-1135/0, 13-14=-1135/0, 1-2=-1030/0, 2-3=-2594/0, 3-4=-3686/0, 4-5=-3686/0, 5-6=-4262/0, 6-7=-4269/0, 7-8=-4262/0, 8-9=-3686/0, 9-11=-3686/0, 11-12=-2594/0, 12-13=-1030/0

BOT CHORD 22-23=0/1948, 20-22=0/3216, 19-20=0/4024, 18-19=0/4269, 17-18=0/4024, 16-17=0/3216, 15-16=0/1948

WEBS 13-15=0/1456, 1-23=0/1456, 12-15=-1365/0, 2-23=-1365/0, 12-16=0/960, 2-22=0/960, 11-16=-925/0, 3-22=-925/0, 11-17=0/681, 3-20=0/681, 8-17=-490/0, 5-20=-490/0, 8-18=-98/697, 5-19=-98/697, 6-19=-363/0, 7-18=-363/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 15, 2025

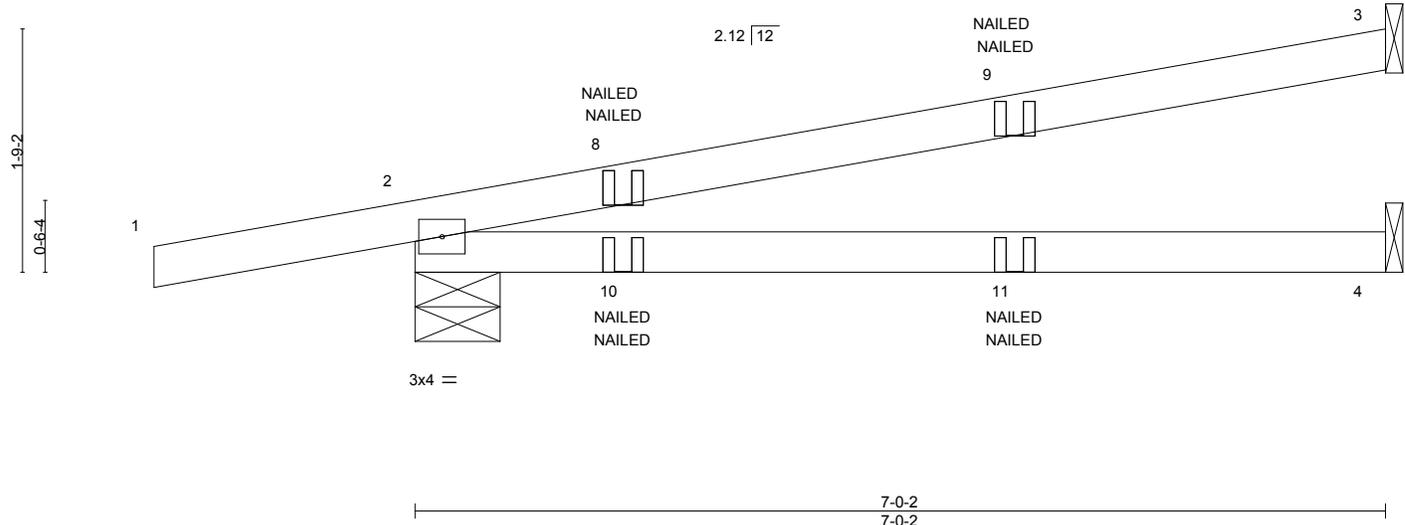
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Job 4813197	Truss HJ08	Truss Type Diagonal Hip Girder	Qty 4	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844373
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:46 2025 Page 1
 ID:t6SKvfWvrAKWTXdliztwNEz0B0C-I5pJaFneLKjSS73PLp7bOI8E8RM2Kk1obaVMDayTbBN



Scale = 1:16.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.		PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.79	in (loc)	l/def L/d	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.59	Vert(LL) 0.13 4-7	>637 240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Vert(CT) -0.23 4-7	>368 180		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Horz(CT) 0.02 3	n/a n/a		
						Weight: 24 lb	FT = 20%

- LUMBER-**
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
- BRACING-**
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
- REACTIONS.** (size) 3=Mechanical, 2=0-7-6, 4=Mechanical
 Max Horz 2=65(LC 4)
 Max Uplift 3=-94(LC 8), 2=-204(LC 4), 4=-44(LC 4)
 Max Grav 3=181(LC 1), 2=409(LC 1), 4=128(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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=204.
 - 7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

- LOAD CASE(S)** Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-60, 4-5=-20
 Concentrated Loads (lb)
 Vert: 11=-6(F=-3, B=-3)

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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:

October 15, 2025

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Job 4813197	Truss HJ09	Truss Type Diagonal Hip Girder	Qty 4	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844374
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:47 2025 Page 1
 ID:t6SKvfWvrAKWtXdliztwNEz0B0C-DINhoaoH6erJ4HecvXeqxWgWarmc38typEFwl0yTbBM



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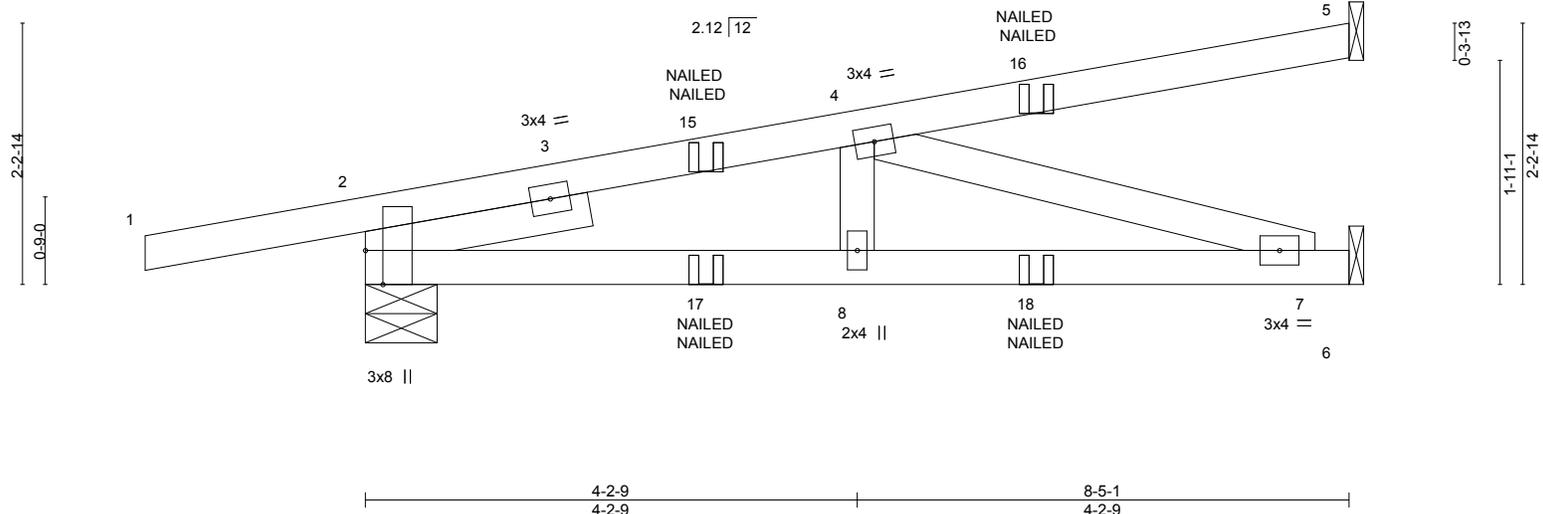


Plate Offsets (X,Y)--	[2:0-3-8,Edge]
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LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.36	Vert(LL) 0.05 7-8 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.37	Vert(CT) -0.06 7-8 >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.22	Horz(CT) 0.01 6 n/a n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS		Weight: 38 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 9-8-14 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 1-11-8	

REACTIONS. (size) 5=Mechanical, 2=0-7-6, 6=Mechanical
 Max Horz 2=74(LC 4)
 Max Uplift 5=-72(LC 4), 2=-290(LC 4), 6=-134(LC 4)
 Max Grav 5=127(LC 1), 2=499(LC 1), 6=222(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-597/319
 BOT CHORD 2-8=-346/570, 7-8=-346/570
 WEBS 4-7=-596/362

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=290, 6=134.
 - 7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 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: 1-5=-60, 6-9=-20

Concentrated Loads (lb)
 Vert: 16=-28(F=-14, B=-14) 17=-1(F=-0, B=-0) 18=-34(F=-17, B=-17)

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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:

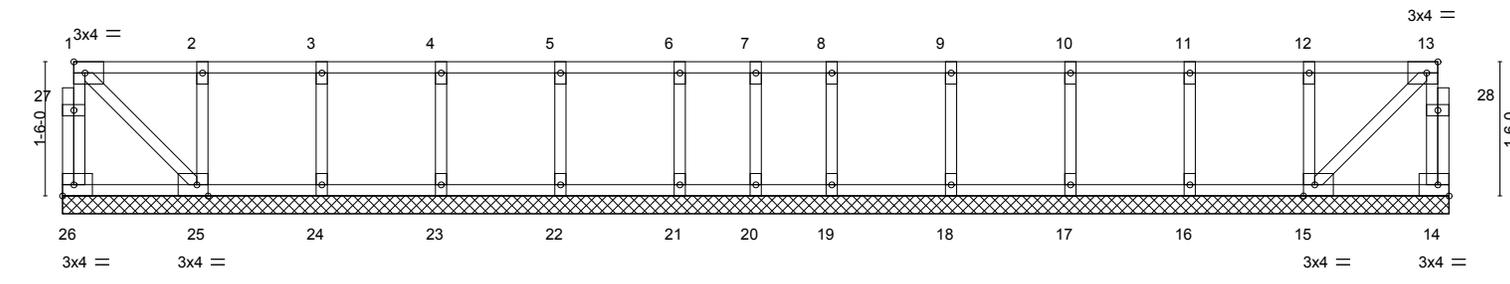
October 15, 2025

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Job 4813197	Truss KW1	Truss Type GABLE	Qty 2	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844375
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:47 2025 Page 1
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	1-6-12	2-10-12	4-2-12	5-6-12	6-10-12	7-8-15	8-7-2	9-11-2	11-3-2	12-7-2	13-11-2	15-5-14
	1-6-12	1-4-0	1-4-0	1-4-0	1-4-0	0-10-3	0-10-3	1-4-0	1-4-0	1-4-0	1-4-0	1-6-12

Plate Offsets (X, Y)-- [13:0-1-8,Edge], [15:0-1-8,Edge], [25:0-1-8,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00		TC 0.10	Vert(LL) n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00		BC 0.01	Vert(CT) n/a	-	n/a	999		
BCLL 0.0	Rep Stress Incr YES		WB 0.04	Horz(CT) -0.00	15	n/a	n/a		
BCDL 5.0	Code FBC2023/TPI2014		Matrix-S						
								Weight: 78 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 25-26,14-15.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 15-5-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 15, 20, 16, 17, 18, 19, 24, 23, 22, 21

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

- NOTES-**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 2) Gable requires continuous bottom chord bearing.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 1-4-0 oc.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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:

October 15, 2025

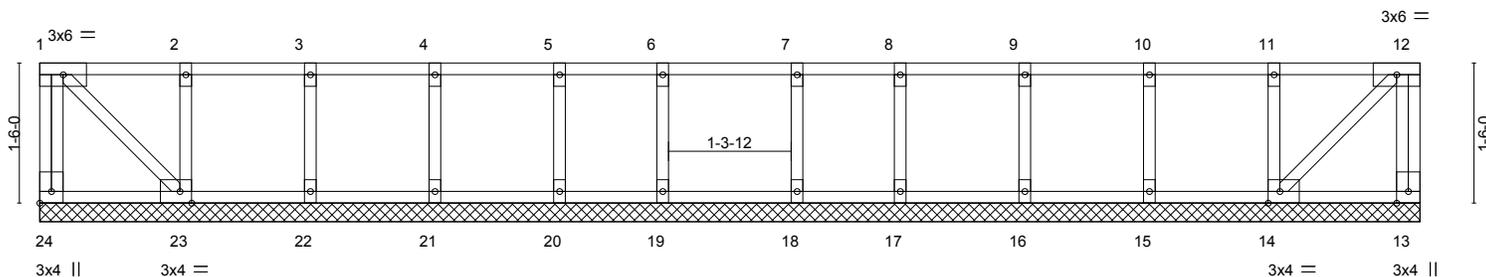
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Job 4813197	Truss KW2	Truss Type GABLE	Qty 1	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844376
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:48 2025 Page 1
ID:t6SKvfWvrAKWtXdliztwNEz0B0C-hUx3?wpvtzAhRDoTE93UjDIFFBuoey52u_THSyTbBL

Scale = 1:24.5



1-6-12	2-10-12	4-2-12	5-6-12	6-8-0	7-4-10	8-1-4	9-2-8	10-6-8	11-10-8	13-2-8	14-9-4
1-6-12	1-4-0	1-4-0	1-4-0	1-1-4	0-8-10	0-8-10	1-1-4	1-4-0	1-4-0	1-4-0	1-6-12

Plate Offsets (X, Y)-- [14:0-1-8, Edge], [23:0-1-8, Edge], [24: Edge, 0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00		TC 0.11	Vert(LL) n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00		BC 0.01	Vert(CT) n/a	-	n/a	999		
BCLL 0.0	Rep Stress Incr YES		WB 0.04	Horz(CT) -0.00	13	n/a	n/a		
BCDL 5.0	Code FBC2023/TPI2014		Matrix-S					Weight: 75 lb	FT = 20%F, 11%E

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 23-24,13-14.

REACTIONS. All bearings 14-9-4.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 14, 15, 16, 17, 18, 22, 21, 20, 19

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

- NOTES-**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 2) Gable requires continuous bottom chord bearing.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 1-4-0 oc.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

October 15, 2025

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APPROVED

Job 4813197	Truss T01	Truss Type Hip Girder	Qty 1	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844377
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:49 2025 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=-60, 4-14=-60, 14-17=-60, 28-31=-20

Concentrated Loads (lb)

Vert: 4=-45(F) 14=-45(F) 26=-186(F) 27=-186(F) 18=-186(F) 12=-45(F) 19=-186(F) 34=-45(F) 35=-45(F) 36=-45(F) 37=-45(F) 38=-45(F) 39=-591(F) 40=-186(F)
41=-186(F) 42=-186(F) 43=-186(F) 44=-591(F)

 **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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APPROVED

Job 4813197	Truss T01A	Truss Type Hip Girder	Qty 1	Ply 2	CARUTHERS RES. Job Reference (optional)	T38844378
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:54 2025 Page 2
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NOTES-

- 11) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss) or equivalent at 45-11-4 from the left end to connect truss(es) to back face of bottom chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.
- 12) Fill all nail holes where hanger is in contact with lumber.
- 13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-60, 4-12=-60, 12-15=-60, 25-28=-20

Concentrated Loads (lb)

Vert: 4=-45(B) 12=-45(B) 23=-186(B) 24=-186(B) 20=-186(B) 8=-45(B) 16=-186(B) 17=-186(B) 31=-45(B) 32=-45(B) 33=-45(B) 34=-45(B) 35=-45(B) 36=-45(B) 37=-45(B) 38=-45(B) 39=-45(B) 40=-45(B) 41=-45(B) 42=-45(B) 43=-45(B) 44=-45(B) 45=-45(B) 46=-45(B) 47=-591(B) 48=-186(B) 49=-186(B) 50=-186(B) 51=-186(B) 52=-186(B) 53=-186(B) 54=-186(B) 55=-186(B) 56=-186(B) 57=-186(B) 58=-186(B) 59=-186(B) 60=-186(B) 61=-186(B) 62=-591(B)

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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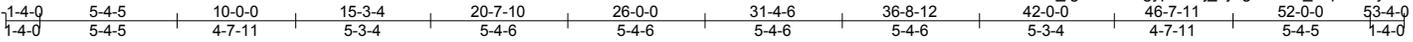
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Job 4813197	Truss T02	Truss Type Hip	Qty 1	Ply 1	CARUTHERS RES.	T38844379
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ID: t6SKvWvrAKWTXdliztwNEz0B0C-WelKG_tgTokKPMgypVGTj_TjEg9wC78_QqRnV6yTbBF



Scale = 1:89.6

	10-0-0	15-3-4	22-0-0	30-0-0	36-8-12	42-0-0	52-0-0
	10-0-0	5-3-4	6-8-12	8-0-0	6-8-12	5-3-4	10-0-0

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.33	Vert(LL) -0.05 22-25	>999 240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.33	Vert(CT) -0.12 22-25	>999 180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.95	Horz(CT) 0.02 12	n/a n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS			Weight: 335 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. All bearings 0-5-8.
 (lb) - Max Horz 2=-47(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) except 2=-182(LC 8), 20=-516(LC 8), 16=-512(LC 9), 12=-186(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 2=518(LC 1), 20=1671(LC 25), 16=1671(LC 26), 12=518(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-770/347, 4-5=-254/858, 5-6=-254/858, 6-7=-575/185, 7-8=-575/162, 8-9=-232/858, 9-10=-232/858, 11-12=-770/346
 BOT CHORD 2-22=-294/729, 19-20=-59/438, 17-19=-198/780, 16-17=-81/438, 12-14=-296/729
 WEBS 3-22=-601/316, 4-22=-33/406, 4-20=-1149/340, 5-20=-384/208, 6-20=-1350/418, 6-19=-44/402, 7-19=-340/160, 7-17=-340/160, 8-17=-44/402, 8-16=-1350/419, 9-16=-384/208, 10-16=-1149/340, 10-14=-33/406, 11-14=-601/316

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-10-6, Zone1 3-10-6 to 10-0-0, Zone2 10-0-0 to 17-4-4, Zone1 17-4-4 to 42-0-0, Zone2 42-0-0 to 49-4-4, Zone1 49-4-4 to 53-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 2, 516 lb uplift at joint 20, 512 lb uplift at joint 16 and 186 lb uplift at joint 12.

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.

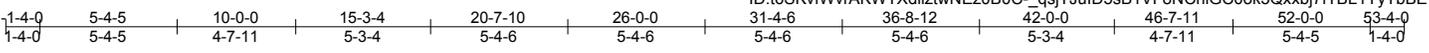
Philip J. O'Regan PE No.58126
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

October 15, 2025

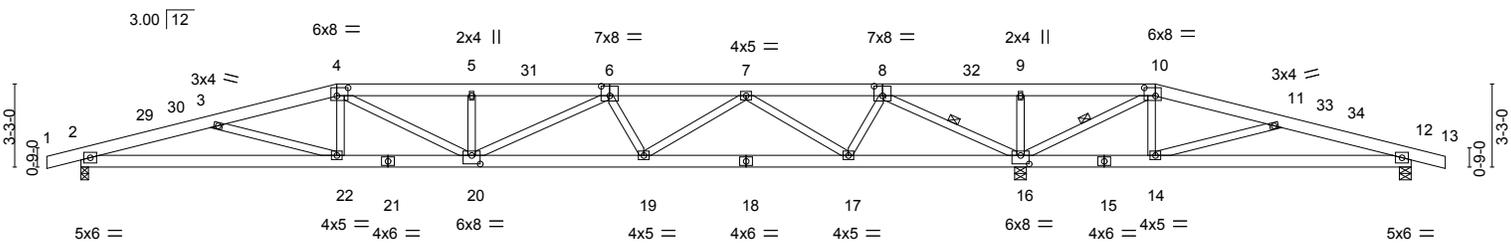
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.sbcsccomponents.com)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 4813197	Truss T02A	Truss Type Hip	Qty 1	Ply 1	CARUTHERS RES.	T38844380
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:55 2025 Page 1
 ID:t6SKvfWvrAKWTXdliztwNEz0B0C_ qsjTJulD5sB1VF8NCniGC0ok3Qxxbj7FTBL1YyTbBE



Scale = 1:89.6



	10-0-0	15-3-4	22-0-0	30-0-0	36-8-12	42-0-0	52-0-0
	10-0-0	5-3-4	6-8-12	8-0-0	6-8-12	5-3-4	10-0-0

Plate Offsets (X, Y)-- [4:0-5-4,0-3-12], [6:0-4-0,0-4-8], [8:0-4-0,0-4-8], [10:0-5-4,0-3-12], [16:0-4-0,0-4-0], [20:0-4-0,0-4-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.73	Vert(LL) 0.34 19-20 >999 240		MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.66	Vert(CT) -0.47 19-20 >930 180			
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.87	Horz(CT) 0.08 16 n/a n/a			
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS			Weight: 335 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-7-14 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-7-2 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 8-16, 10-16

REACTIONS. (size) 2=0-3-8, 16=0-5-8, 12=0-5-8
 Max Horz 2=-47(LC 13)
 Max Uplift 2=-719(LC 8), 16=-1351(LC 9), 12=-187(LC 25)
 Max Grav 2=1319(LC 25), 16=2898(LC 1), 12=224(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3338/1827, 3-4=-3128/1754, 4-5=-3443/1940, 5-6=-3443/1940, 6-7=-2815/1557, 7-8=-391/270, 8-9=-1494/2987, 9-10=-1494/2987, 10-11=-928/1497, 11-12=-697/1056
 BOT CHORD 2-22=-1719/3175, 20-22=-1616/3027, 19-20=-1615/3063, 17-19=-963/1844, 16-17=-266/214, 14-16=-1434/952, 12-14=-986/686
 WEBS 4-22=-161/304, 4-20=-299/607, 5-20=-322/185, 6-20=-329/449, 6-19=-585/299, 7-19=-695/1203, 7-17=-1790/936, 8-17=-700/1272, 8-16=-3064/1632, 9-16=-435/242, 10-16=-1937/804, 10-14=-63/455, 11-14=-821/455

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-10-6, Zone1 3-10-6 to 10-0-0, Zone2 10-0-0 to 17-4-4, Zone1 17-4-4 to 42-0-0, Zone2 42-0-0 to 49-4-4, Zone1 49-4-4 to 53-4-0 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 719 lb uplift at joint 2, 1351 lb uplift at joint 16 and 187 lb uplift at joint 12.

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:

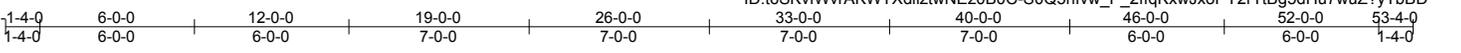
October 15, 2025

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>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.sbcsccomponents.com)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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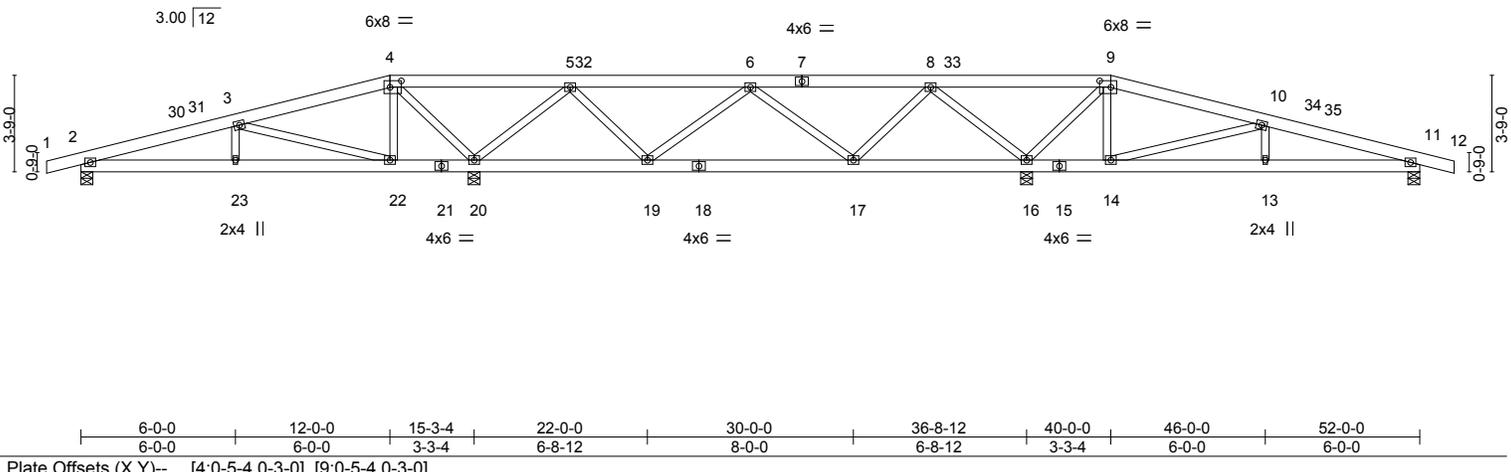
Job 4813197	Truss T03	Truss Type Hip	Qty 1	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844381
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:56 2025 Page 1

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Scale = 1:89.0



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 0.39	Vert(LL)	-0.03 17-19 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.21	Vert(CT)	-0.06 17-19 >999 180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.70	Horz(CT)	0.01 11 n/a n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS			Weight: 335 lb	FT = 20%

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

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

REACTIONS. All bearings 0-5-8.
 (lb) - Max Horz 2=-56(LC 17)
 Max Uplift All uplift 100 lb or less at joint(s) except 2=-179(LC 8), 20=-523(LC 8), 16=-517(LC 9), 11=-185(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 2=497(LC 1), 20=1708(LC 25), 16=1708(LC 26), 11=497(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-711/264, 3-4=-58/279, 4-5=-267/961, 5-6=-428/182, 6-8=-428/155, 8-9=-241/961, 9-10=-50/279, 10-11=-711/263
 BOT CHORD 2-23=-227/655, 22-23=-227/655, 17-19=-180/620, 13-14=-218/655, 11-13=-218/655
 WEBS 3-22=-901/329, 4-22=-67/360, 4-20=-1060/351, 5-20=-1262/441, 5-19=-86/515, 6-19=-374/180, 6-17=-374/180, 8-17=-87/515, 8-16=-1262/441, 9-16=-1060/347, 9-14=-67/360, 10-14=-901/329

- 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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-10-6, Zone1 3-10-6 to 12-0-0, Zone2 12-0-0 to 19-4-4, Zone1 19-4-4 to 40-0-0, Zone2 40-0-0 to 47-4-4, Zone1 47-4-4 to 53-4-0 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) All plates are 4x5 MT20 unless otherwise indicated.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 179 lb uplift at joint 2, 523 lb uplift at joint 20, 517 lb uplift at joint 16 and 185 lb uplift at joint 11.

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:

October 15, 2025

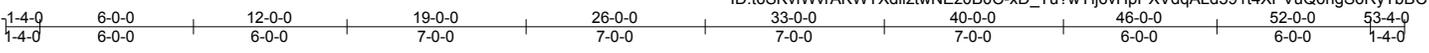
⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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.sbcsccomponents.com)

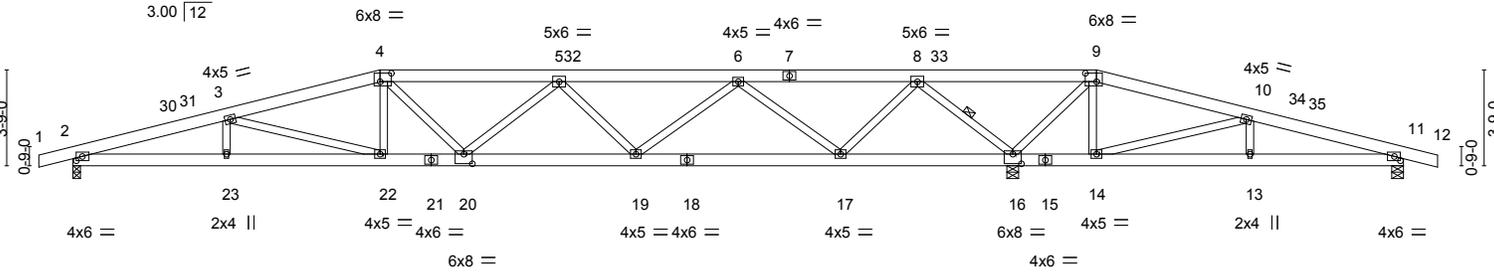
16023 Swingley Ridge Rd.
 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 4813197	Truss T03A	Truss Type Hip	Qty 1	Ply 1	CARUTHERS RES.	T38844382
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:57 2025 Page 1
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Scale = 1:89.6



6-0-0	12-0-0	15-3-4	22-0-0	30-0-0	36-8-12	40-0-0	46-0-0	52-0-0
6-0-0	6-0-0	3-3-4	6-8-12	8-0-0	6-8-12	3-3-4	6-0-0	6-0-0

Plate Offsets (X,Y)-- [2:0-2-13,0-2-0], [4:0-5-4,0-4-0], [9:0-5-4,0-4-0], [11:0-2-13,0-2-0], [16:0-4-0,0-4-8], [20:0-4-0,0-4-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.68	Vert(LL)	0.27 19-20	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.78	Vert(CT)	-0.37 19-20	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.89	Horz(CT)	0.07 16	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS						
								Weight: 335 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-9-5 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-5-5 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 8-16

REACTIONS. (size) 2=0-3-8, 16=0-5-8, 11=0-5-8
 Max Horz 2=-56(LC 17)
 Max Uplift 2=-719(LC 8), 16=-1336(LC 9), 11=-221(LC 25)
 Max Grav 2=1314(LC 25), 16=2933(LC 1), 11=210(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3335/1851, 3-4=-2907/1616, 4-5=-2819/1607, 5-6=-2331/1326, 6-8=-290/247,
 8-9=-1342/2806, 9-10=-995/1830, 10-11=-748/1138
 BOT CHORD 2-23=-1746/3180, 22-23=-1746/3180, 20-22=-1487/2805, 19-20=-1469/2770,
 17-19=-826/1552, 16-17=-938/544, 14-16=-1752/1024, 13-14=-1080/741,
 11-13=-1080/741
 WEBS 3-22=-413/319, 4-22=-206/325, 5-19=-673/369, 6-19=-626/1034, 6-17=-1662/859,
 8-17=-877/1607, 8-16=-2492/1310, 9-16=-1582/645, 9-14=-58/373, 10-14=-1144/483,
 10-13=-12/294

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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-10-6, Zone1 3-10-6 to 12-0-0, Zone2 12-0-0 to 19-4-4, Zone1 19-4-4 to 40-0-0, Zone2 40-0-0 to 47-4-4, Zone1 47-4-4 to 53-4-0 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 719 lb uplift at joint 2, 1336 lb uplift at joint 16 and 221 lb uplift at joint 11.

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:

October 15, 2025

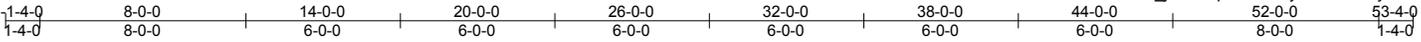
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.sbcsccomponents.com)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 4813197	Truss T04	Truss Type Hip	Qty 2	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844383
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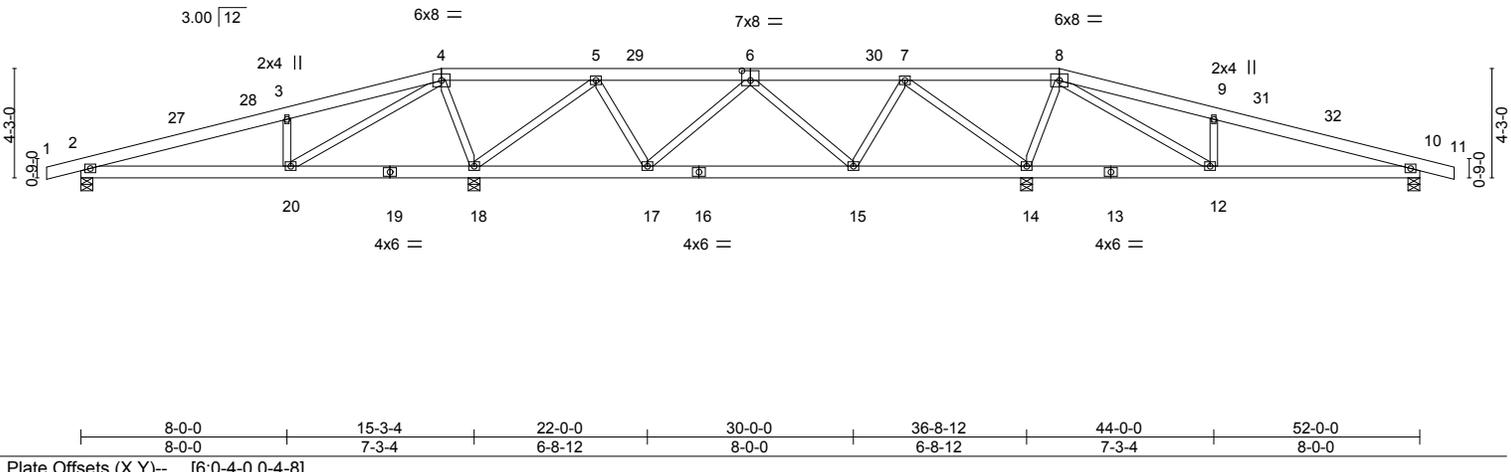
Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:58 2025 Page 1

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Scale = 1:89.0



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFLL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.28	Vert(LL)	0.05 20-23	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.24	Vert(CT)	-0.07 20-23	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.85	Horz(CT)	0.01 14	n/a	n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS					Weight: 332 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 6-0-0 oc bracing: 18-20,12-14.

REACTIONS. All bearings 0-5-8.
 (lb) - Max Horz 2=64(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) except 2=-302(LC 8), 18=-681(LC 8), 14=-673(LC 9), 10=-310(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 2=511(LC 1), 18=1692(LC 25), 14=1692(LC 26), 10=511(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-586/472, 3-4=-588/546, 4-5=-260/738, 5-6=-449/123, 6-7=-449/140, 7-8=-258/738, 8-9=-588/545, 9-10=-586/471
 BOT CHORD 2-20=-409/522, 18-20=-467/251, 17-18=-22/303, 15-17=-84/589, 14-15=0/303, 12-14=-467/250, 10-12=-411/522
 WEBS 3-20=-447/254, 4-20=-781/1154, 4-18=-853/477, 5-18=-1175/380, 5-17=-51/399, 6-17=-308/146, 6-15=-308/146, 7-15=-51/399, 7-14=-1175/379, 8-14=-853/477, 8-12=-781/1154, 9-12=-447/254

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 1-4-0 to 3-10-6, Zone1 3-10-6 to 14-0-0, Zone2 14-0-0 to 21-4-4, Zone1 21-4-4 to 38-0-0, Zone2 38-0-0 to 45-4-4, Zone1 45-4-4 to 53-4-0 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 4x5 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 2, 681 lb uplift at joint 18, 673 lb uplift at joint 14 and 310 lb uplift at joint 10.

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:

October 15, 2025

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>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.sbcsccomponents.com)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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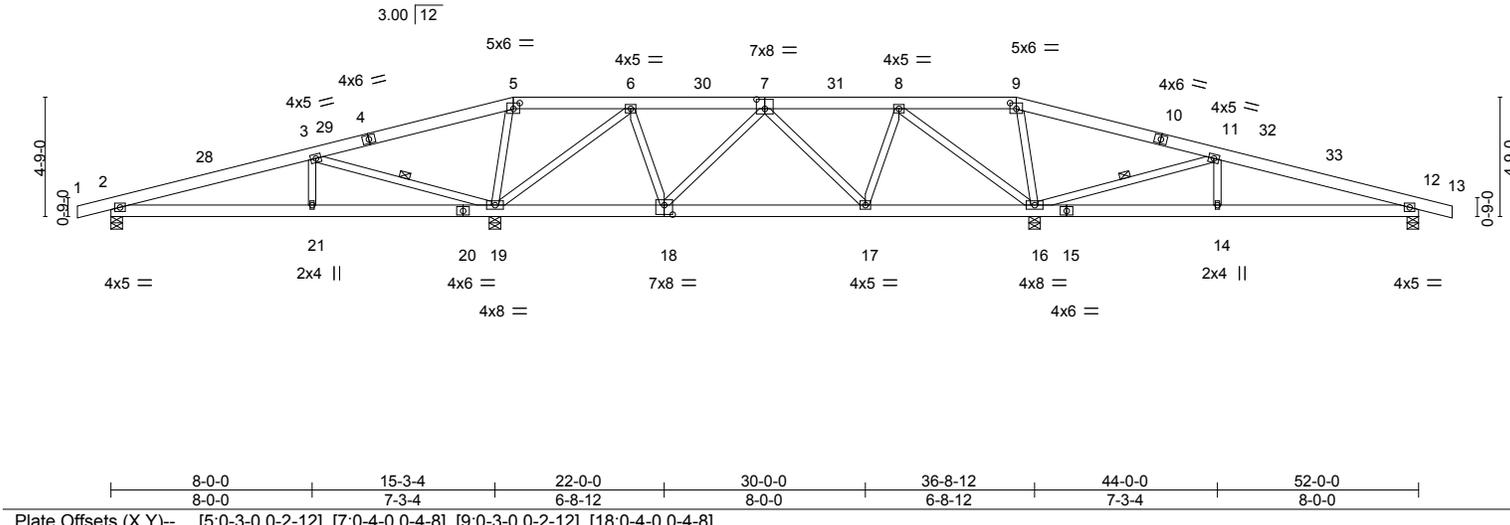
Job 4813197	Truss T05	Truss Type Hip	Qty 2	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844384
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:58 2025 Page 1

ID: t6SKvFWvrAKWTXdliztwNEz0B0C-PPYr6LwAW0Eluz_j2LLPtqeO6HYN8xfZLRP?etyTbBB



Scale = 1:91.2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.40	Vert(LL) 0.05 21-24	>999 240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.23	Vert(CT) -0.07 21-24	>999 180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.92	Horz(CT) 0.02 16	n/a n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS			Weight: 339 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-19, 11-16

REACTIONS. All bearings 0-5-8.
 (lb) - Max Horz 2=-73(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) except 2=-294(LC 8), 19=-690(LC 8), 16=-682(LC 9), 12=-302(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 2=502(LC 1), 19=1707(LC 25), 16=1707(LC 26), 12=502(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-588/431, 3-5=-303/765, 5-6=-199/595, 6-7=-407/117, 7-8=-407/131, 8-9=-195/595, 9-11=-305/765, 11-12=-588/432
 BOT CHORD 2-21=-367/528, 19-21=-367/528, 18-19=-3/326, 17-18=-55/518, 16-17=0/326, 14-16=-368/528, 12-14=-368/528
 WEBS 3-21=-172/310, 3-19=-1267/808, 5-19=-546/279, 6-19=-1025/300, 6-18=-45/370, 7-18=-292/136, 7-17=-292/136, 8-17=-45/370, 8-16=-1025/300, 9-16=-546/279, 11-16=-1267/809, 11-14=-172/310

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-10-6, Zone1 3-10-6 to 16-0-0, Zone2 16-0-0 to 23-4-4, Zone1 23-4-4 to 36-0-0, Zone2 36-0-0 to 43-4-4, Zone1 43-4-4 to 53-4-0 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 294 lb uplift at joint 2, 690 lb uplift at joint 19, 682 lb uplift at joint 16 and 302 lb uplift at joint 12.

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:

October 15, 2025

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p style="font-size: x-small;">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.sbcsccomponents.com)</p>	<p style="font-size: x-small;">16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 4813197	Truss T06	Truss Type Hip	Qty 2	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844385
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:42:59 2025 Page 1

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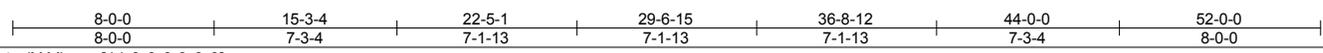
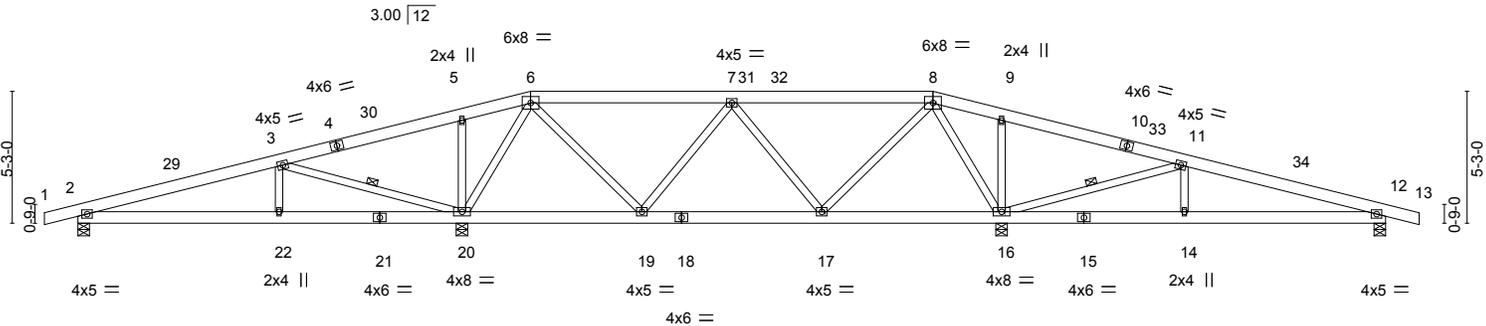


Plate Offsets (X,Y)-- [11:0-0-0,0-0-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.35	Vert(LL) 0.05 22-25	>999 240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.24	Vert(CT) -0.07 14-28	>999 180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.54	Horz(CT) 0.01 16	n/a n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS			Weight: 341 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.3	6-0-0 oc bracing: 19-20,16-17.
	WEBS 1 Row at midpt 3-20, 11-16

REACTIONS. All bearings 0-5-8.
 (lb) - Max Horz 2=81(LC 17)
 Max Uplift All uplift 100 lb or less at joint(s) except 2=-298(LC 8), 20=-684(LC 8), 16=-675(LC 9), 12=-307(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 2=520(LC 1), 20=1679(LC 25), 16=1679(LC 26), 12=521(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-629/431, 3-5=-261/631, 5-6=-202/590, 6-7=-388/133, 7-8=-388/129, 8-9=-181/590, 9-11=-253/631, 11-12=-629/432
 BOT CHORD 2-22=-348/566, 20-22=-348/566, 17-19=-70/566, 14-16=-345/566, 12-14=-345/566
 WEBS 3-22=-175/308, 3-20=-1182/709, 5-20=-335/239, 6-20=-958/309, 6-19=-136/616, 7-19=-397/191, 7-17=-397/191, 8-17=-136/616, 8-16=-958/309, 9-16=-335/239, 11-16=-1182/709, 11-14=-175/308

- 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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-10-6, Zone1 3-10-6 to 18-0-0, Zone2 18-0-0 to 25-4-4, Zone1 25-4-4 to 34-0-0, Zone2 34-0-0 to 41-4-4, Zone1 41-4-4 to 53-4-0 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 298 lb uplift at joint 2, 684 lb uplift at joint 20, 675 lb uplift at joint 16 and 307 lb uplift at joint 12.

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:

October 15, 2025

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Job 4813197	Truss T07	Truss Type Hip	Qty 2	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844386
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:00 2025 Page 1

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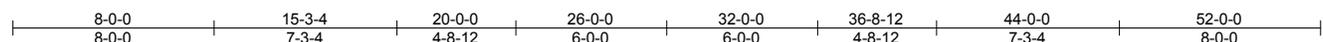
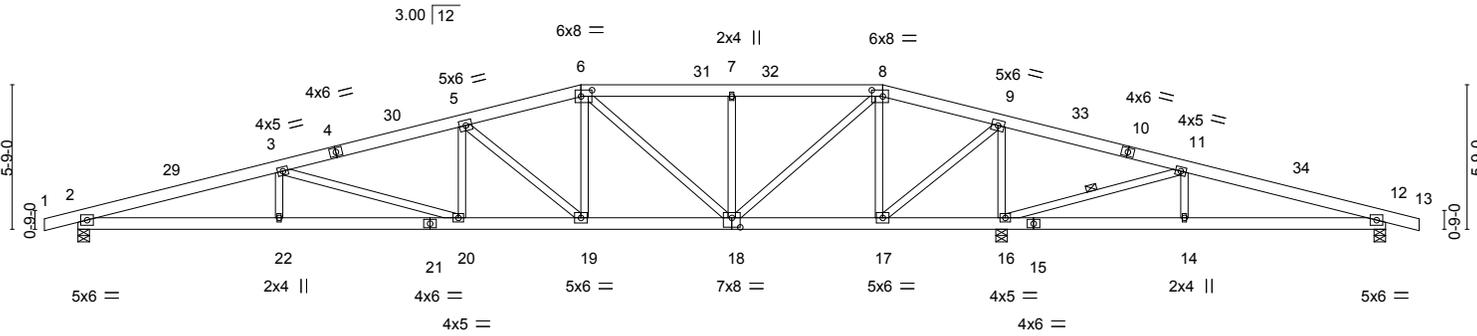


Plate Offsets (X, Y)--	[6:0-5-4,0-3-0], [8:0-5-4,0-3-0], [18:0-4-0,0-4-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.53	Vert(LL) -0.19 20-22	>999 240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.75	Vert(CT) -0.40 20-22	>999 180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.91	Horz(CT) 0.07 16	n/a n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS			Weight: 352 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-7-7 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-9-2 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 11-16

REACTIONS. (size) 2=0-5-8, 16=0-5-8, 12=0-5-8
 Max Horz 2=-89(LC 13)
 Max Uplift 2=-446(LC 8), 16=-682(LC 9), 12=-151(LC 9)
 Max Grav 2=1374(LC 25), 16=2715(LC 1), 12=353(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3543/1058, 3-5=-2735/856, 5-6=-1953/670, 6-7=-1284/514, 7-8=-1284/514, 9-11=408/1684, 11-12=-241/786
 BOT CHORD 2-22=-1037/3375, 20-22=-1037/3375, 19-20=-768/2606, 18-19=-518/1872, 16-17=-1585/500, 14-16=-736/259, 12-14=-736/259
 WEBS 3-20=-811/295, 5-20=-63/461, 5-19=-986/334, 6-19=-183/722, 6-18=-800/274, 7-18=-413/222, 8-18=-494/1610, 8-17=-1304/428, 9-17=-615/2148, 9-16=-2185/689, 11-16=-1291/410, 11-14=0/337

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-10-6, Zone1 3-10-6 to 20-0-0, Zone2 20-0-0 to 27-4-4, Zone1 27-4-4 to 32-0-0, Zone2 32-0-0 to 39-4-4, Zone1 39-4-4 to 53-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 446 lb uplift at joint 2, 682 lb uplift at joint 16 and 151 lb uplift at joint 12.

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:

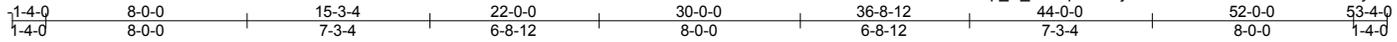
October 15, 2025

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Job 4813197	Truss T08	Truss Type Hip	Qty 2	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844387
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:01 2025 Page 1

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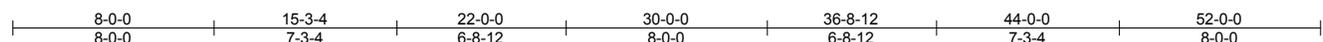
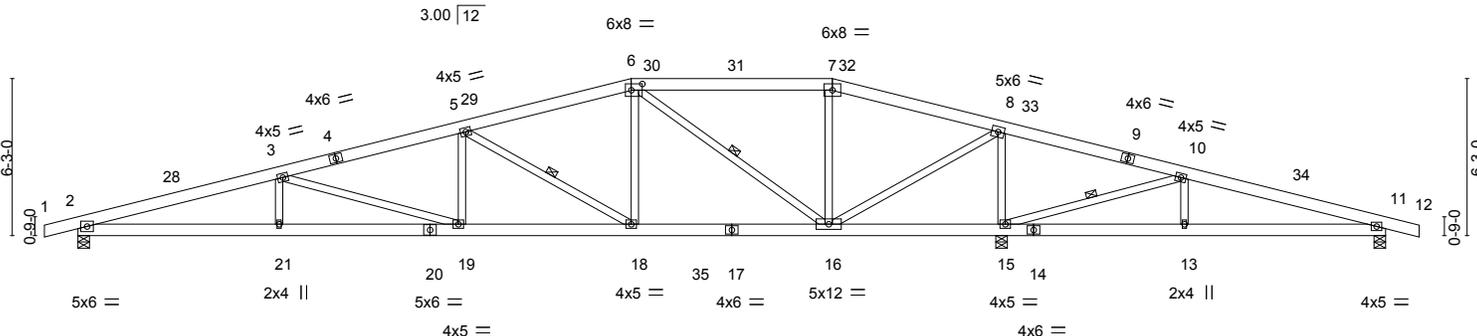


Plate Offsets (X,Y)--	[6:0-5-4,0-3-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.50	Vert(LL)	-0.23 19-21	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.84	Vert(CT)	-0.44 19-21	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.97	Horz(CT)	0.08 15	n/a	n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS					Weight: 343 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-6-0 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-8-8 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-18, 6-16, 10-15

REACTIONS. (size) 2=0-5-8, 15=0-5-8, 11=0-5-8
 Max Horz 2=-98(LC 13)
 Max Uplift 2=-445(LC 8), 15=-651(LC 9), 11=-161(LC 9)
 Max Grav 2=1452(LC 27), 15=2877(LC 2), 11=388(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3794/1052, 3-5=-2936/879, 5-6=-1833/638, 6-7=-595/332, 7-8=-664/315, 8-10=-370/1676, 10-11=-220/680
 BOT CHORD 2-21=-1038/3626, 19-21=-1038/3626, 18-19=-774/2821, 16-18=-447/1759, 15-16=-1585/468, 13-15=-633/235, 11-13=-633/235
 WEBS 3-19=-843/287, 5-19=-54/528, 5-18=-1265/413, 6-18=-166/937, 6-16=-1449/420, 7-16=-304/188, 8-16=-675/2544, 8-15=-2215/692, 10-15=-1347/398, 10-13=0/331

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 1-4-0 to 3-10-6, Zone1 3-10-6 to 22-0-0, Zone2 22-0-0 to 29-4-4, Zone1 29-4-4 to 30-0-0, Zone2 30-0-0 to 37-4-4, Zone1 37-4-4 to 53-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 445 lb uplift at joint 2, 651 lb uplift at joint 15 and 161 lb uplift at joint 11.

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:

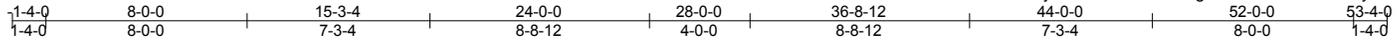
October 15, 2025

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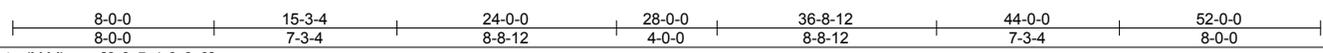
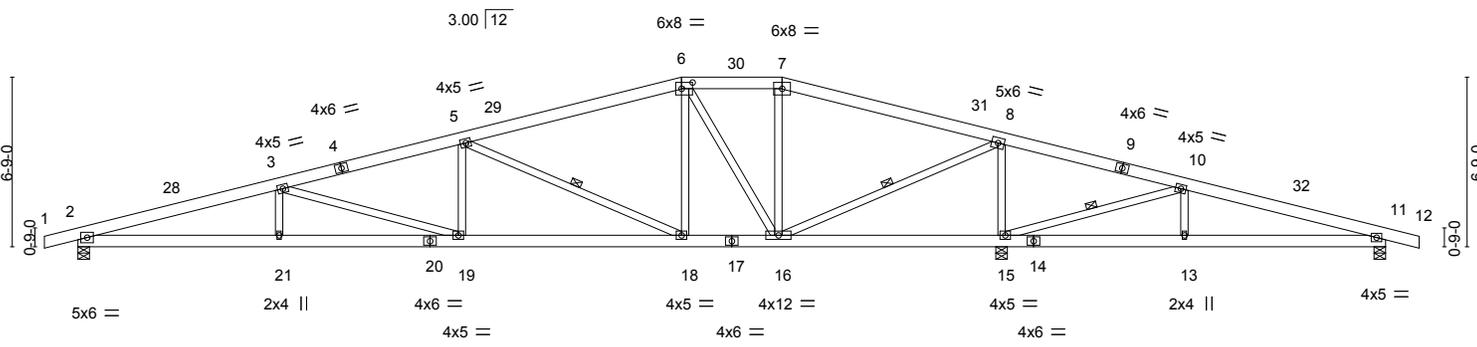
Job 4813197	Truss T09	Truss Type Hip	Qty 2	Ply 1	CARUTHERS RES.	T38844388
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:02 2025 Page 1

ID: t6SKvfWvrAKWTXdliztwNEz0B0C-HAnMxjzhaFkBNalUHAPL2go0EuoJ4lQ9G3NDneyTbB7



Scale = 1:91.2



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) -0.21 19-21 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.74	Vert(CT) -0.41 19-21 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.93	Horz(CT) 0.07 15 n/a n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS		Weight: 346 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-7-2 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-18, 8-16, 10-15

REACTIONS. (size) 2=0-5-8, 15=0-5-8, 11=0-5-8
 Max Horz 2=-106(LC 17)
 Max Uplift 2=-443(LC 8), 15=-618(LC 9), 11=-172(LC 9)
 Max Grav 2=1388(LC 1), 15=2628(LC 1), 11=424(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3577/1040, 3-5=-2822/849, 5-6=-1453/530, 6-7=-877/420, 7-8=-980/398, 8-10=-321/1394, 10-11=-266/568
 BOT CHORD 2-21=-1032/3406, 19-21=-1032/3406, 18-19=-785/2707, 16-18=-333/1359, 15-16=-1296/395, 13-15=-526/224, 11-13=-526/224
 WEBS 3-19=-740/269, 5-19=-36/531, 5-18=-1505/512, 6-18=-180/762, 6-16=-966/309, 8-16=-631/2397, 8-15=-2087/662, 10-15=-1179/374, 10-13=0/309

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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 1-4-0 to 3-10-6, Zone1 3-10-6 to 24-0-0, Zone3 24-0-0 to 28-0-0, Zone2 28-0-0 to 35-4-4, Zone1 35-4-4 to 53-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 443 lb uplift at joint 2, 618 lb uplift at joint 15 and 172 lb uplift at joint 11.

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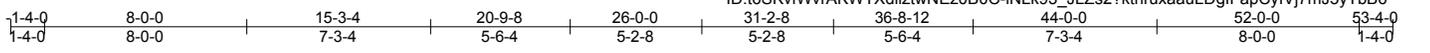
Philip J. O'Regan PE No.58126
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

October 15, 2025

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>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.sbcsccomponents.com)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 4813197	Truss T10	Truss Type COMMON GIRDER	Qty 2	Ply 3	CARUTHERS RES. Job Reference (optional)	T38844389
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:03 2025 Page 1
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Scale = 1:90.7

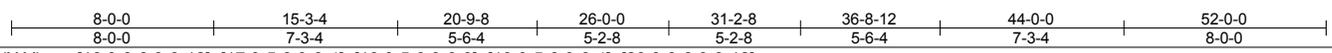
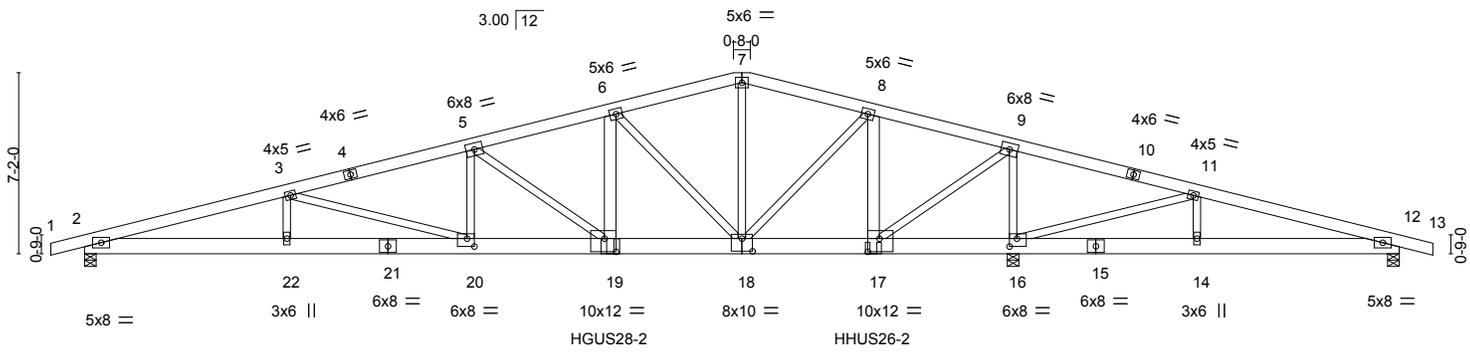


Plate Offsets (X, Y)--	[16:0-3-8,0-3-12], [17:0-5-8,0-6-4], [18:0-5-0,0-6-0], [19:0-5-8,0-6-4], [20:0-3-8,0-3-12]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48	Vert(LL) -0.22	20 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.29	Vert(CT) -0.43	20 >999 180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.91	Horz(CT) 0.06	16 n/a n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS				
						Weight: 1201 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x8 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*	
8-17,6-19: 2x6 SP No.2, 9-17,5-19: 2x4 SP No.2	

REACTIONS.	(size) 2=0-5-8, 16=0-5-8, 12=0-5-8
	Max Horz 2=-113(LC 34)
	Max Uplift 2=-1366(LC 4), 16=-3501(LC 5), 12=-1254(LC 21)
	Max Grav 2=4163(LC 1), 16=10993(LC 1), 12=448(LC 8)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-13339/4285, 3-5=-13651/4450, 5-6=-12795/4225, 6-7=-7798/2609, 7-8=-7798/2616, 8-9=-4069/1493, 9-11=-1906/6143, 11-12=-1720/5061
BOT CHORD	2-22=-4195/12869, 20-22=-4195/12869, 19-20=-4290/13212, 18-19=-4008/12378, 17-18=-1295/3903, 16-17=-5911/1922, 14-16=-4876/1688, 12-14=-4876/1688
WEBS	7-18=-855/2044, 8-18=-1541/5073, 8-17=-5308/1603, 9-17=-3978/12150, 9-16=-10012/3269, 11-16=-1407/456, 11-14=0/354, 6-18=-7158/2370, 6-19=-1795/5572, 5-19=-1032/349, 5-20=-68/472, 3-20=-639/783, 3-22=-464/242

- NOTES-**
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, Except member 6-19 2x6 - 2 rows staggered at 0-4-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1366 lb uplift at joint 2, 3501 lb uplift at joint 16 and 1254 lb uplift at joint 12.
 - This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
 - Use Simpson Strong-Tie HGUS28-2 (36-10d Girder, 12-10d Truss) or equivalent at 20-9-9 from the left end to connect truss(es) to bottom chord, skewed 0.0 deg to the right, sloping 0.0 deg. down.

This item has been digitally signed and sealed by O'Regan, 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:

October 15, 2025

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APPROVED

Job 4813197	Truss T10	Truss Type COMMON GIRDER	Qty 2	Ply 3	CARUTHERS RES. Job Reference (optional)	T38844389
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:03 2025 Page 2
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NOTES-

- 11) Use Simpson Strong-Tie HHUS26-2 (14-10d Girder, 6-10d Truss) or equivalent at 31-2-7 from the left end to connect truss(es) to front face of bottom chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
- 12) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-60, 6-7=-285, 7-8=-285, 8-13=-60, 23-26=-20
Concentrated Loads (lb)
Vert: 17=-2281(F) 19=-5243(F)

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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Job 4813197	Truss T11	Truss Type Jack-Closed	Qty 7	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844390
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:03 2025 Page 1
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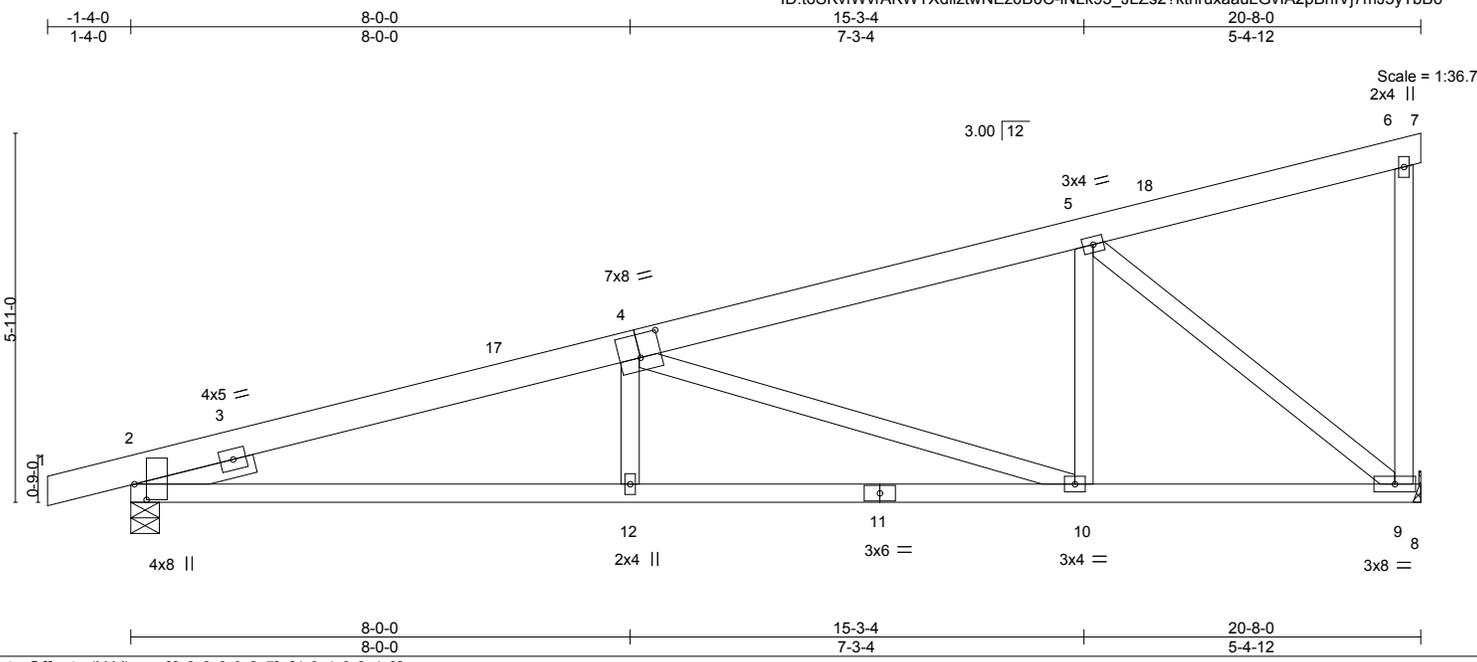


Plate Offsets (X, Y)--	[2:0-3-0,0-2-5], [4:0-4-0,0-4-8]			
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.27	Vert(LL) -0.08 10-12	>999 240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.58	Vert(CT) -0.19 10-12	>999 180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 1.00	Horz(CT) 0.05 9	n/a n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS			Weight: 123 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-2-9 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 7-9-1 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 1-11-8	

REACTIONS. (size) 9=Mechanical, 2=0-5-8
 Max Horz 2=217(LC 8)
 Max Uplift 9=-277(LC 8), 2=-285(LC 8)
 Max Grav 9=814(LC 1), 2=904(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1774/445, 4-5=-885/200
 BOT CHORD 2-12=-579/1671, 10-12=-581/1665, 9-10=-274/813
 WEBS 4-12=0/283, 4-10=-899/324, 5-10=-63/489, 5-9=-1043/352

- 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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 20-8-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 277 lb uplift at joint 9 and 285 lb uplift at joint 2.

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:

October 15, 2025

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Job 4813197	Truss T12	Truss Type Jack-Closed	Qty 7	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844391
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:04 2025 Page 1
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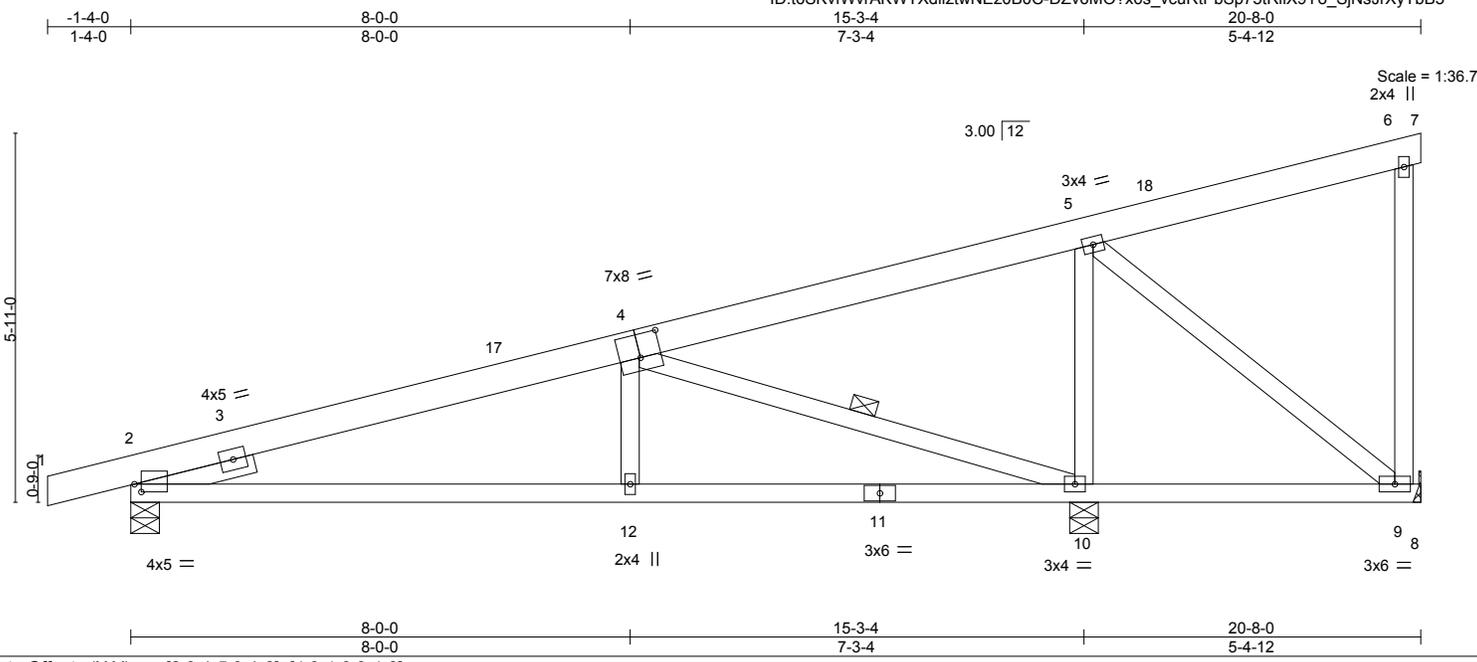


Plate Offsets (X,Y)--	[2:0-1-5,0-1-8], [4:0-4-0,0-4-8]			
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LOADING (psf)	SPACING - 2-0-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.26	Vert(LL) -0.05	10-12	>999	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.46	Vert(CT) -0.10	12-15	>999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.35	Horz(CT) 0.02	10	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS					
						Weight: 123 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3	6-0-0 oc bracing: 9-10.
SLIDER Left 2x4 SP No.3 1-11-8	WEBS 1 Row at midpt 4-10

REACTIONS. (size) 9=Mechanical, 2=0-5-8, 10=0-5-8
 Max Horz 2=217(LC 8)
 Max Uplift 9=-67(LC 21), 2=-198(LC 8), 10=-345(LC 8)
 Max Grav 2=604(LC 1), 10=1182(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-810/165, 4-5=-138/326
 BOT CHORD 2-12=-311/753, 10-12=-313/747, 9-10=-266/41
 WEBS 4-12=0/295, 4-10=-1068/373, 5-9=-53/347, 5-10=-704/267

- 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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 20-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 9, 198 lb uplift at joint 2 and 345 lb uplift at joint 10.

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:

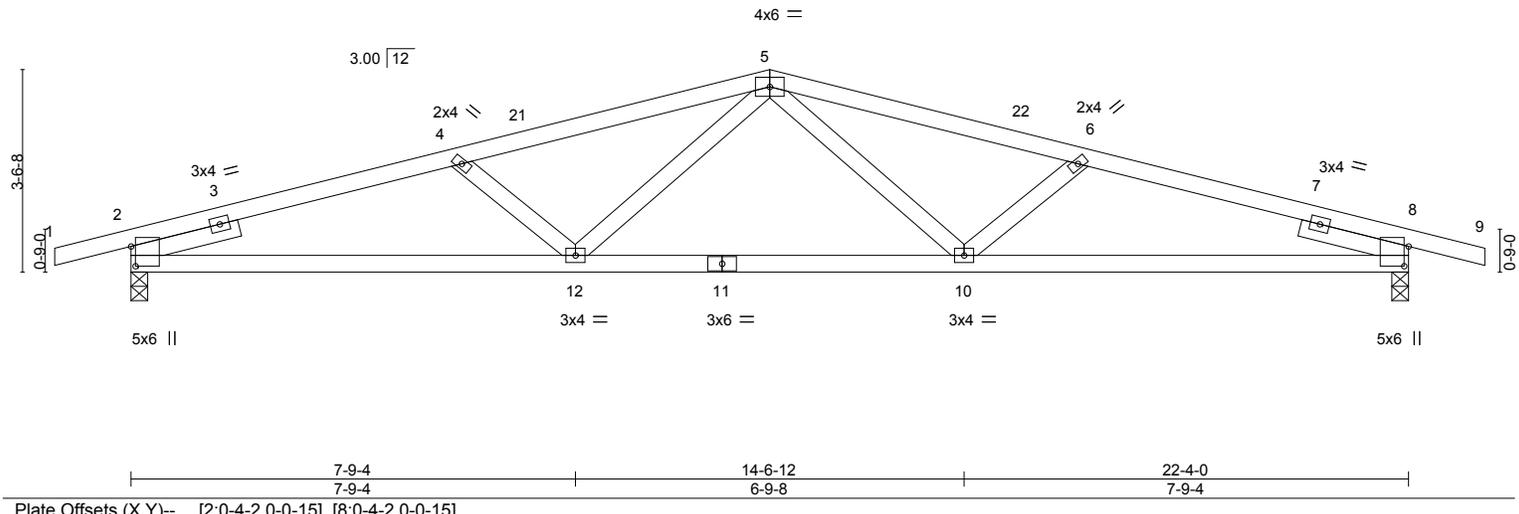
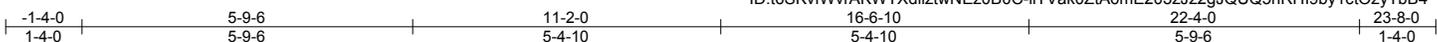
October 15,2025

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Job 4813197	Truss T13	Truss Type Common	Qty 1	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844392
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:05 2025 Page 1
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.78	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.85	Vert(LL) 0.24 10-12 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.17	Vert(CT) -0.38 10-12 >697 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.07 8 n/a n/a		
	Code FBC2023/TPI2014			Weight: 99 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-4-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-3-10 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 1-11-8, Right 2x4 SP No.3 1-11-8	

REACTIONS. (size) 2=0-3-8, 8=0-3-8
 Max Horz 2=-52(LC 13)
 Max Uplift 2=-494(LC 8), 8=-494(LC 9)
 Max Grav 2=973(LC 1), 8=973(LC 1)

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

TOP CHORD	2-4=-2085/1222, 4-5=-1888/1164, 5-6=-1888/1164, 6-8=-2085/1222
BOT CHORD	2-12=-1121/1979, 10-12=-843/1530, 8-10=-1135/1979
WEBS	5-10=-276/433, 6-10=-278/180, 5-12=-276/433, 4-12=-278/180

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-2-0, Zone2 11-2-0 to 15-4-15, Zone1 15-4-15 to 23-8-0 zone; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 494 lb uplift at joint 2 and 494 lb uplift at joint 8.

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:

October 15, 2025

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p style="font-size: x-small;">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.sbcsccomponents.com)</p>	<p style="font-size: x-small;">16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 4813197	Truss T13G	Truss Type GABLE	Qty 1	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844393
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:05 2025 Page 1

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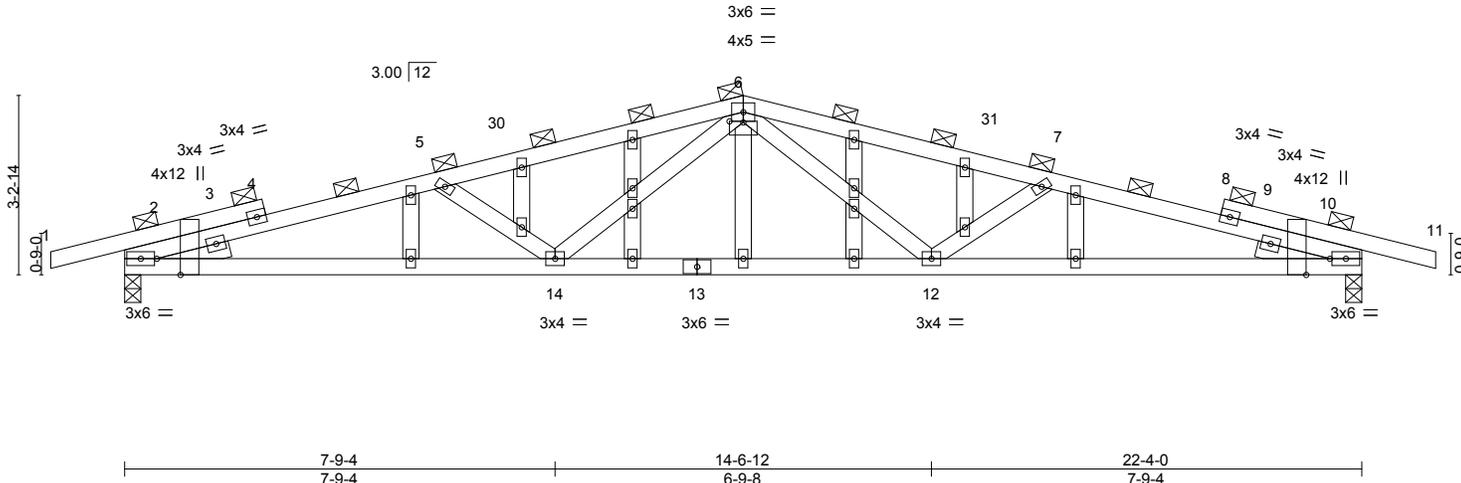
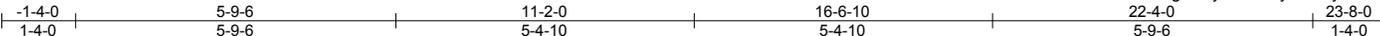


Plate Offsets (X, Y)--	[2:0-3-8, Edge], [6:0-3-0, 0-0-4], [10:0-3-8, Edge]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.49	Vert(LL)	0.17 12-14	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.62	Vert(CT)	-0.25 12-14	>976	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.17	Horz(CT)	0.04 10	n/a	n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS					Weight: 121 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD 2-0-0 oc purlins (3-9-8 max.).
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-3-6 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 1-3-15, Right 2x4 SP No.3 1-3-15	

REACTIONS. (size) 2=0-3-8, 10=0-3-8
 Max Horz 2=47(LC 12)
 Max Uplift 2=500(LC 8), 10=500(LC 9)
 Max Grav 2=957(LC 1), 10=957(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-5=-2147/1273, 5-6=-1827/1133, 6-7=-1827/1132, 7-10=-2147/1272
 BOT CHORD 2-14=-1209/2070, 12-14=-792/1420, 10-12=-1215/2070
 WEBS 6-12=-311/452, 7-12=-425/235, 6-14=-311/452, 5-14=-425/235

- 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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-2-0, Zone2 11-2-0 to 15-4-15, Zone1 15-4-15 to 23-8-0 zone; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 5) All plates are 2x4 MT20 unless otherwise indicated.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 500 lb uplift at joint 2 and 500 lb uplift at joint 10.
 - 10) 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:

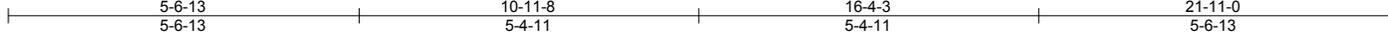
October 15, 2025

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p style="font-size: x-small;">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.sbcsccomponents.com)</p>	<p style="font-size: x-small;">16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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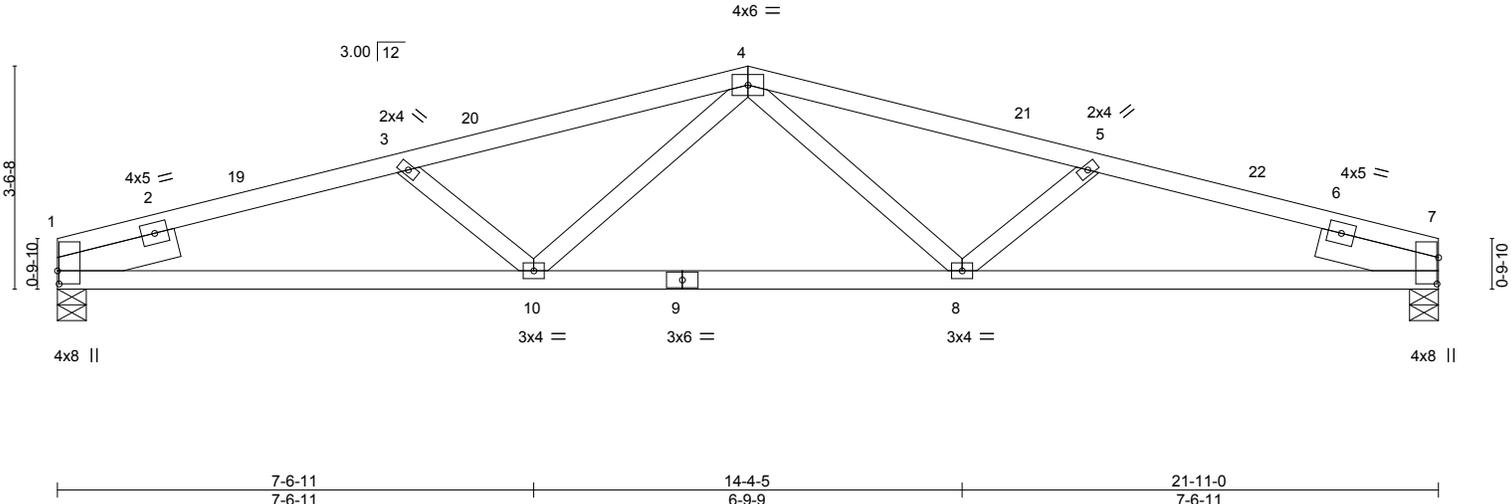
Job 4813197	Truss T14	Truss Type Common	Qty 4	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844394
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:06 2025 Page 1

ID:t6SKvfWvrAKWTXdliztwNEz0B0C-Ay1tn41BeUFdsCbFW0UHCWzgpV930IUIBhLQwQyTbB3



Scale = 1:36.4



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.			PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.77	Vert(LL) 0.22 8-10 >999 240			MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.76	Vert(CT) -0.35 8-10 >742 180				
BCLL 0.0 *	Rep Stress Incr YES	WB 0.16	Horz(CT) 0.06 7 n/a n/a				
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS				Weight: 97 lb	FT = 20%

- | | |
|--|--|
| <p>LUMBER-</p> <ul style="list-style-type: none"> TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8 | <p>BRACING-</p> <ul style="list-style-type: none"> TOP CHORD Structural wood sheathing directly applied or 2-5-10 oc purlins. BOT CHORD Rigid ceiling directly applied or 5-4-6 oc bracing. |
|--|--|

REACTIONS. (size) 1=0-5-8, 7=0-5-8
 Max Horz 1=46(LC 12)
 Max Uplift 1=-427(LC 8), 7=-427(LC 9)
 Max Grav 1=877(LC 1), 7=877(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-3=-2018/1215, 3-4=-1833/1170, 4-5=-1833/1170, 5-7=-2018/1215
 BOT CHORD 1-10=-1125/1914, 8-10=-855/1490, 7-8=-1129/1914
 WEBS 4-8=-267/418, 5-8=-267/173, 4-10=-267/418, 3-10=-267/173

- 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=32ft; 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 10-11-8, Zone2 10-11-8 to 15-2-7, Zone1 15-2-7 to 21-11-0 zone; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 427 lb uplift at joint 1 and 427 lb uplift at joint 7.

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:

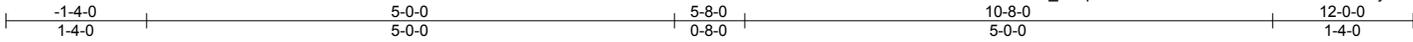
October 15, 2025

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p style="font-size: x-small;">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.sbcsccomponents.com)</p>	<p style="font-size: x-small;">16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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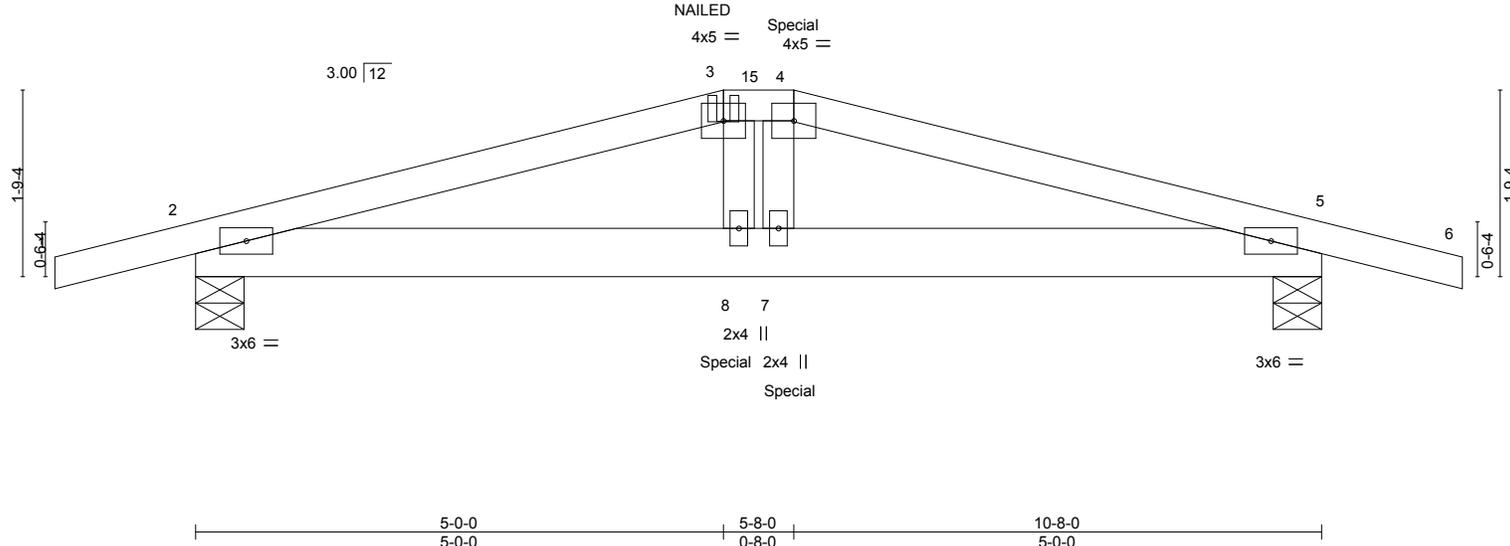
Job 4813197	Truss T15	Truss Type Hip Girder	Qty 2	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844395
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:07 2025 Page 1

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Scale = 1:21.7



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 0.25	Vert(LL)	0.05 8	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.36	Vert(CT)	-0.07 8	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.09	Horz(CT)	0.01 5	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS					Weight: 49 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 4-5-12 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-3-15 oc bracing.

REACTIONS. (size) 2=0-5-8, 5=0-5-8
 Max Horz 2=28(LC 4)
 Max Uplift 2=-398(LC 4), 5=-399(LC 5)
 Max Grav 2=716(LC 1), 5=722(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1576/828, 3-4=-1515/825, 4-5=-1586/835
 BOT CHORD 2-8=-779/1497, 7-8=-787/1515, 5-7=-780/1506

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 398 lb uplift at joint 2 and 399 lb uplift at joint 5.
 - "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 212 lb down and 170 lb up at 5-8-0 on top chord, and 137 lb down and 116 lb up at 5-0-0, and 137 lb down and 116 lb up at 5-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)
 Vert: 1-3=-60, 3-4=-60, 4-6=-60, 9-12=-20

Concentrated Loads (lb)
 Vert: 3=-68(F) 4=-164(F) 8=-96(F) 7=-96(F)

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:

October 15, 2025

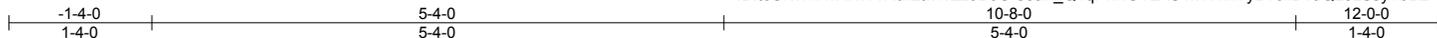
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.sbcsccomponents.com)</p>	<p>MiTek® 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 4813197	Truss T16	Truss Type Common	Qty 2	Ply 1	CARUTHERS RES. Job Reference (optional)	T38844396
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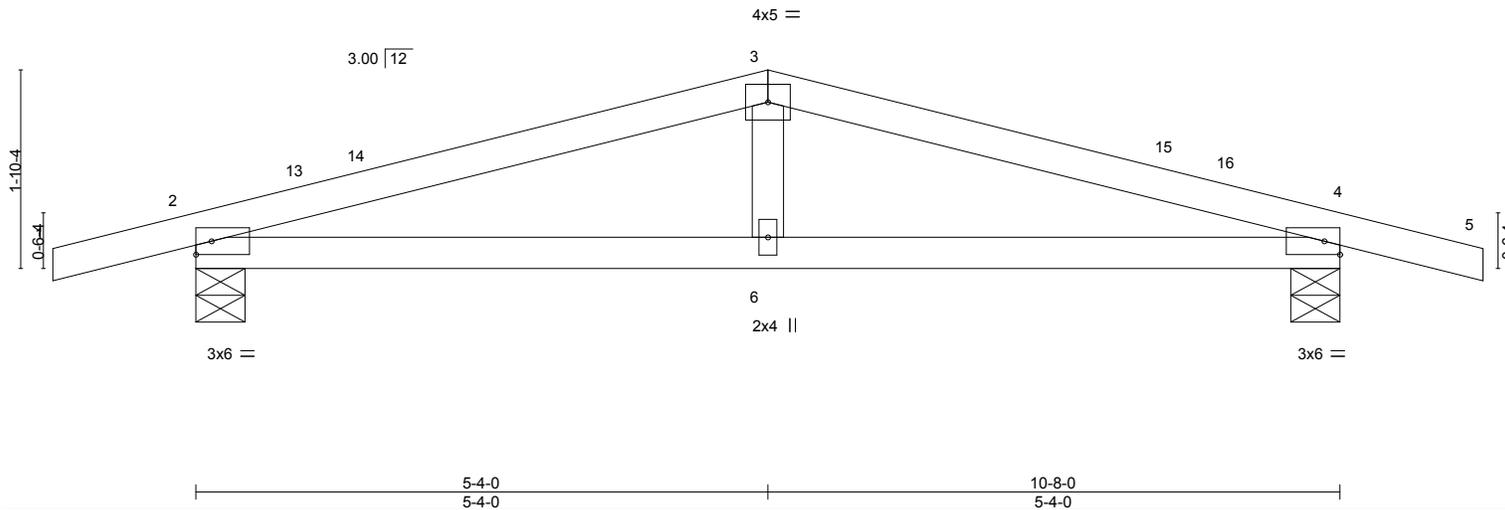
Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:07 2025 Page 1

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Scale = 1:21.4



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 0.31	Vert(LL)	0.04 6-12	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.28	Vert(CT)	-0.05 6-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.01 4	n/a	n/a		
BCDL 10.0	Code FBC2023/TPJ2014		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 7-3-1 oc bracing.

REACTIONS. (size) 2=0-5-8, 4=0-5-8
 Max Horz 2=-29(LC 9)
 Max Uplift 2=-268(LC 8), 4=-268(LC 9)
 Max Grav 2=507(LC 1), 4=507(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-822/732, 3-4=-822/732
 BOT CHORD 2-6=-637/758, 4-6=-637/758

- 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=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 1-4-0 to 1-8-0, Zone1 1-8-0 to 5-4-0, Zone2 5-4-0 to 9-6-15, Zone1 9-6-15 to 12-0-0 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 268 lb uplift at joint 2 and 268 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:

October 15, 2025

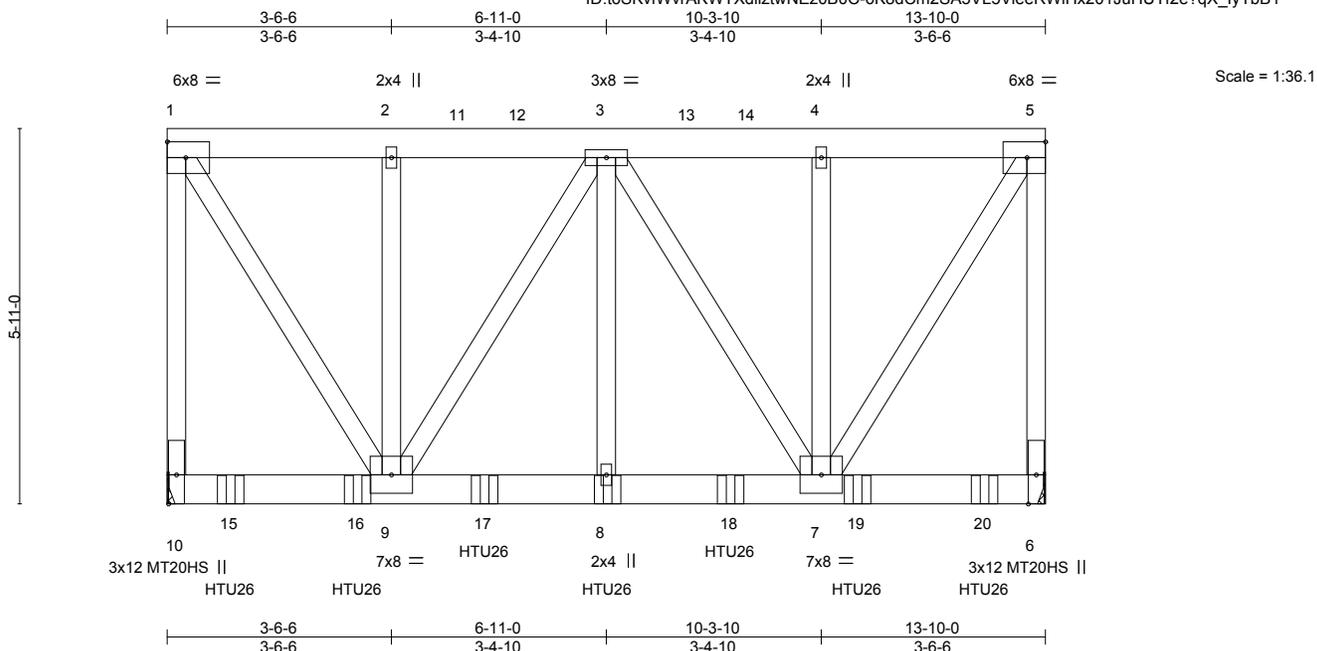
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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MiTek®
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 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 4813197	Truss TG01	Truss Type FLAT GIRDER	Qty 1	Ply 2	CARUTHERS RES. Job Reference (optional)	T38844397
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:08 2025 Page 1
 ID:t6SKvfvWvrAKWTXdliztwNEz0B0C-6K8dCm2SA5VL5VleeRWIHx201JuHUTf2e?qX_lyTbB1



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 0.76	Vert(LL)	-0.04	8	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.52	Vert(CT)	-0.09	8	>999	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.95	Horz(CT)	0.01	6	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS						
								Weight: 274 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 10=Mechanical, 6=Mechanical
 Max Uplift 10=-1742(LC 4), 6=-1743(LC 4)
 Max Grav 10=5263(LC 1), 6=5265(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-10=-4594/1524, 1-2=-2653/875, 2-3=-2653/875, 3-4=-2642/871, 4-5=-2642/871, 5-6=-4577/1518
 BOT CHORD 8-9=-1179/3581, 7-8=-1179/3581
 WEBS 1-9=-1642/4979, 2-9=-1187/431, 3-9=-1762/578, 3-8=-452/1387, 3-7=-1781/584, 4-7=-1162/424, 5-7=-1636/4961

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=32ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1742 lb uplift at joint 10 and 1743 lb uplift at joint 6.
 - Use Simpson Strong-Tie HTU26 (10-10d Girder, 14-10dx1 1/2 Truss) or equivalent spaced at 3-10-8 oc max. starting at 1-0-0 from the left end to 12-10-8 to connect truss(es) to front face of bottom chord.
 - Use Simpson Strong-Tie HTU26 (10-10d Girder, 14-10dx1 1/2 Truss) or equivalent at 6-11-4 from the left end to connect truss(es) to front face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.

This item has been digitally signed and sealed by O'Regan, 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:

October 15, 2025

Continued on page 2

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>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.sbccomponents.com)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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APPROVED

Job 4813197	Truss TG01	Truss Type FLAT GIRDER	Qty 1	Ply 2	CARUTHERS RES. Job Reference (optional) T38844397
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:08 2025 Page 2
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NOTES-

- 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 722 lb down and 219 lb up at 4-7-4, and 722 lb down and 219 lb up at 9-1-12 on top 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: 1-2=-245, 2-12=-135, 12-13=-390, 4-13=-135, 4-5=-245, 6-10=-20

Concentrated Loads (lb)

Vert: 8=-794(F) 11=-722 14=-722 15=-795(F) 16=-794(F) 17=-794(F) 18=-794(F) 19=-794(F) 20=-796(F)

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.sbcsccomponents.com)

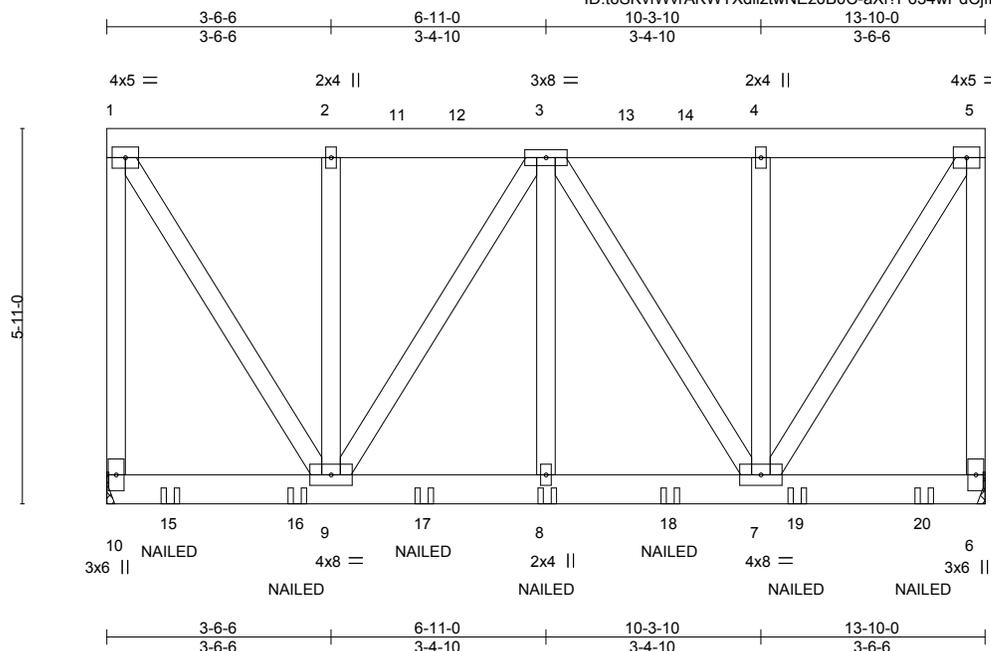
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Job 4813197	Truss TG02	Truss Type FLAT GIRDER	Qty 1	Ply 2	CARUTHERS RES. Job Reference (optional)	T38844398
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:09 2025 Page 1

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Scale = 1:36.1

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.26	Vert(LL)	-0.02 8	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.20	Vert(CT)	-0.04 8	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.43	Horz(CT)	0.01 6	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS						
								Weight: 274 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 10=Mechanical, 6=Mechanical
 Max Uplift 10=-942(LC 4), 6=-939(LC 4)
 Max Grav 10=2301(LC 1), 6=2287(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-10=-2274/897, 1-2=-1215/487, 2-3=-1215/487, 3-4=-1208/484, 4-5=-1208/484, 5-6=-2262/893
 BOT CHORD 8-9=-675/1715, 7-8=-675/1715
 WEBS 1-9=-914/2283, 2-9=-1226/413, 3-9=-948/358, 3-7=-962/363, 4-7=-1201/405, 5-7=-909/2269

- NOTES-**
- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - 3) Unbalanced roof live loads have been considered for this design.
 - 4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=32ft; 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) Refer to girder(s) for truss to truss connections.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 942 lb uplift at joint 10 and 939 lb uplift at joint 6.
 - 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 722 lb down and 219 lb up at 4-7-4, and 722 lb down and 219 lb up at 9-1-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

This item has been digitally signed and sealed by O'Regan, 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:

October 15, 2025

LOAD CASE(S) Standard

Continued on page 2

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>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.sbcsccomponents.com)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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APPROVED

Job 4813197	Truss TG02	Truss Type FLAT GIRDER	Qty 1	Ply 2	CARUTHERS RES. Job Reference (optional)	T38844398
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 14 05:43:09 2025 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: 1-2=-245, 2-12=-135, 12-13=-390, 4-13=-135, 4-5=-245, 6-10=-20

Concentrated Loads (lb)

Vert: 8=55(B) 11=-722 14=-722 15=53(B) 16=55(B) 17=55(B) 18=55(B) 19=55(B) 20=53(B)

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

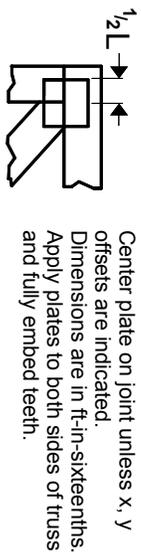
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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.sbcsccomponents.com)

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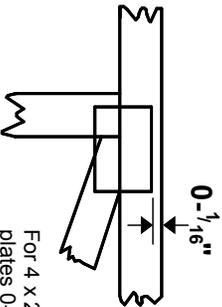
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Chesterfield, MO 63017
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Symbols

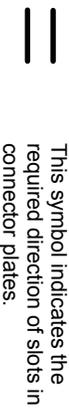
PLATE LOCATION AND ORIENTATION



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\"/>



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

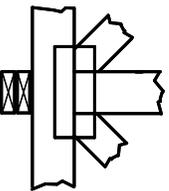
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

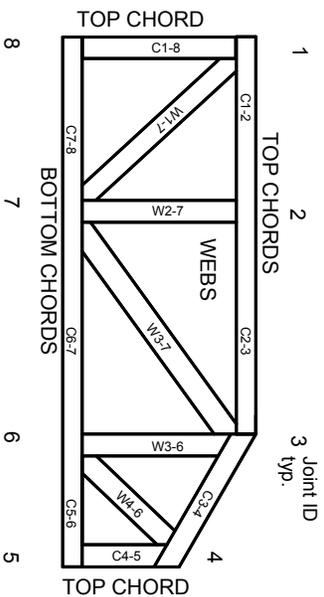


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TFP 1: 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/TFP 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

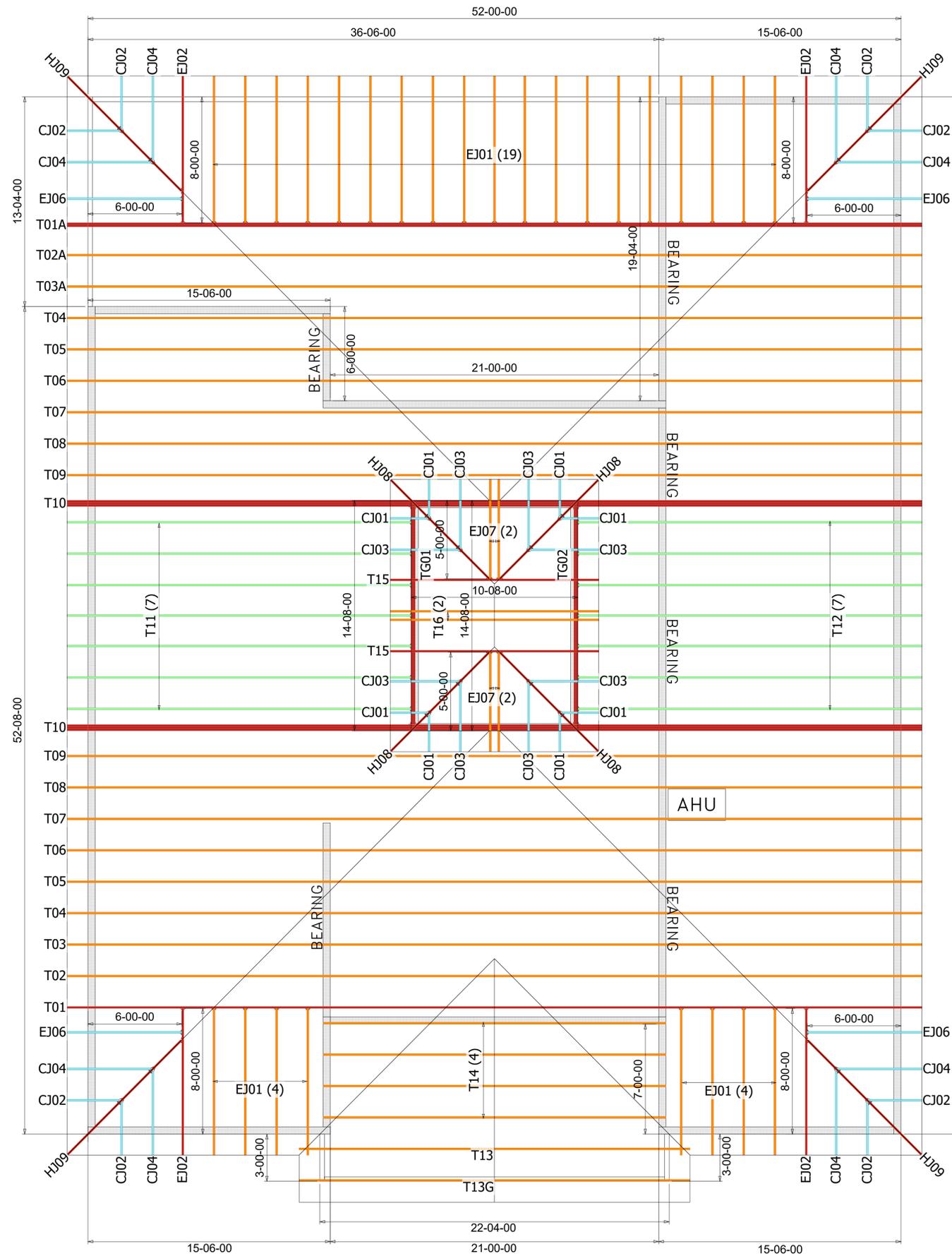
1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor 1 bracing should be considered.
3. Never exceed 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/TFP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TFP 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/TFP 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.

MITek®

MITek Engineering Reference Sheet: Mill-7473 rev. 1/2/2023

APPROVED

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3/12 PITCH
16" OH

WARNING
 Backcharges Will Not Be Accepted
 Regardless of Fault Without Prior
 Notification By Customer Within 48
 Hours And Investigation By
 Builders FirstSource.
 NO EXCEPTIONS.

IMPORTANT
 This Drawing Must Be Approved And
 Returned Before Fabrication Will
 Begin. For Your Protection Check All
 Dimensions And Conditions Prior To
 Approval Of Plan.
 SIGNATURE BELOW INDICATES ALL
 NOTES AND DIMENSIONS HAVE
 BEEN ACCEPTED.

By _____ Date _____

FINAL LAYOUT FOR PRODUCTION

Initial: _____ Date: _____
 Requested Delivery Date: _____

ROOF LOADING: TCCL: 20 FLOOR LOADING: TCCL: 20
 TCCL: 10 TCCL: 10
 BCCL: 0 BCCL: 0
 BCDL: 10 BCDL: 10
 DURATION: 1.25 DURATION: 1.00
 5 PSF TCCL + 5 PSF BCDL USED TO RESIST UPLIFT
 ENCLOSED EXPOSURE CATEGORY B
 OCCUPANCY CATEGORY II
 WIND LOAD 130 MPH
 WIND IMPORTANCE FACTOR 1.00

ROOF PITCH: 3/12
CEILING PITCH: FLAT
TOP CHORD SIZE: 2x4-2x6
BOTTOM CHORD SIZE: 2x4-2x6
OVERHANG LENGTH: 16"
END CUT: PLUMB
CANTILEVER: N/A
TRUSS SPACING: 24"
BUILDING CODE: FBC 2023

BEARING HEIGHT SCHEDULE

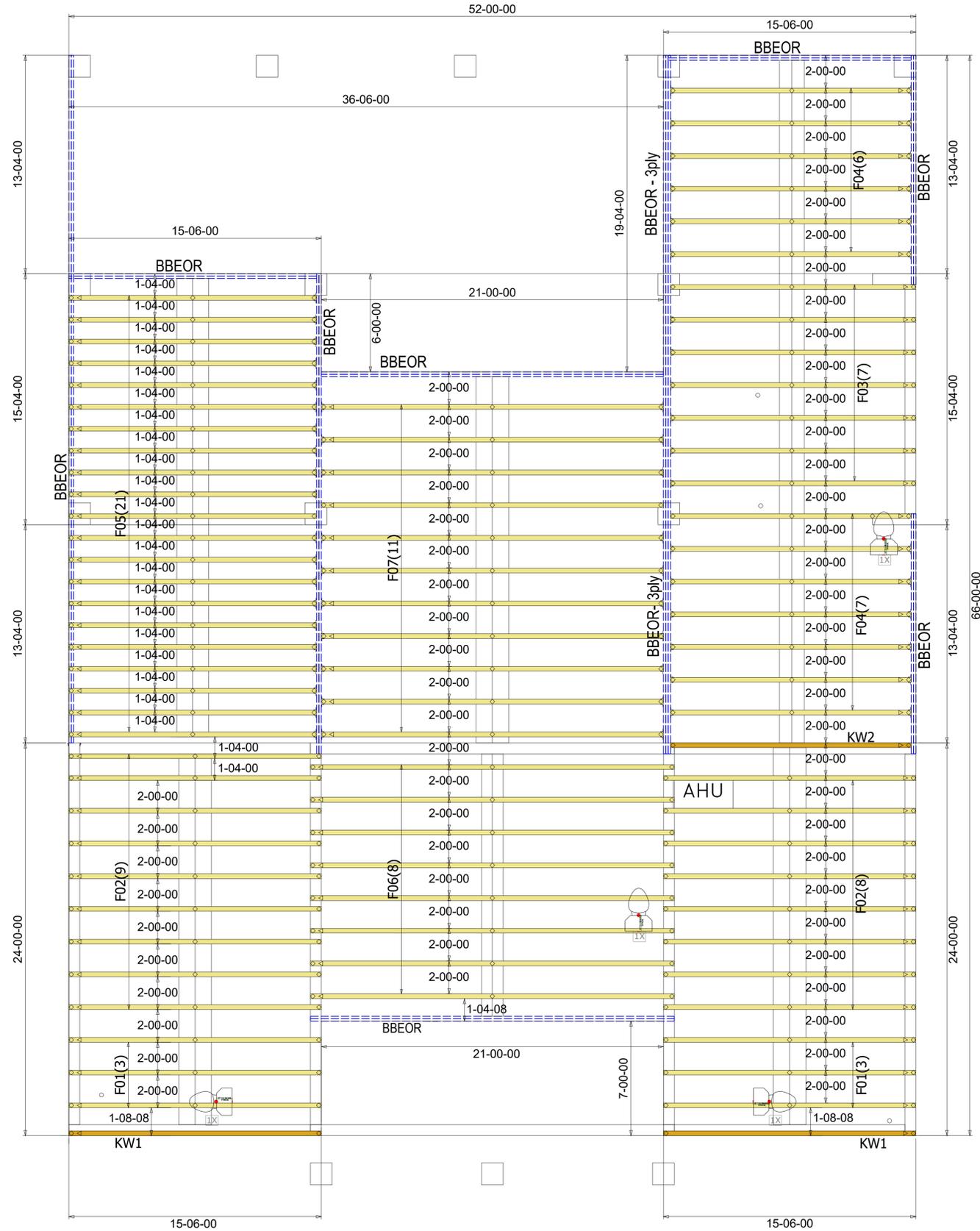
BUILDER:	
Amira Custom Homes	
MODEL:	CUSTOM
ELEV:	HIP
ADDRESS:	TBD
LOT / BLOCK:	N/A
SUBDIVISION:	CARUTHERS RES.
CITY:	Fort White
DRAWN BY:	Holloway, Kim
JOB # :	4813197
DATE: 9/3/2025	SCALE: N.T.S.

REVISIONS:



Approval does not relieve Contractor of responsibility that this drawing, or drawings, shall meet all applicable codes and ordinances in cases of omissions or errors.

APPROVED



WARNING
Backcharges Will Not Be Accepted Regardless of Fault Without Prior Notification By Customer Within 48 Hours And Investigation By Builders FirstSource. NO EXCEPTIONS.

IMPORTANT
This Drawing Must Be Approved And Returned Before Fabrication Will Begin. For Your Protection Check All Dimensions And Conditions Prior To Approval Of Plan. SIGNATURE BELOW INDICATES ALL NOTES AND DIMENSIONS HAVE BEEN ACCEPTED.

By _____ Date _____

FINAL LAYOUT FOR PRODUCTION

Initial: _____ Date: _____
Requested Delivery Date: _____

ROOF LOADING: TCCL: 20
 TCCL: 10
 BCCL: 0
 BCCL: 10
 DURATION: 1.25
FLOOR LOADING: TCCL: 20
 TCCL: 10
 BCCL: 0
 BCCL: 10
 DURATION: 1.00
 5 PSF TCCL + 5 PSF BCCL USED TO RESIST UPLIFT
 ENCLOSED
 EXPOSURE CATEGORY B
 OCCUPANCY CATEGORY II
 WIND LOAD 130 MPH
 WIND IMPORTANCE FACTOR 1.00

ROOF PITCH: 3/12
CEILING PITCH: FLAT
TOP CHORD SIZE: 2x4-2x6
BOTTOM CHORD SIZE: 2x4-2x6
OVERHANG LENGTH: 16"
END CUT: PLUMB
CANTILEVER: N/A
TRUSS SPACING: 24"
BUILDING CODE: FBC 2023

BEARING HEIGHT SCHEDULE

BUILDER:	
Amira Custom Homes	
MODEL:	CUSTOM
ELEV:	HIP
ADDRESS:	TBD
LOT / BLOCK:	N/A
SUBDIVISION:	CARUTHERS RES.
CITY:	Fort White
DRAWN BY:	Holloway, Kim
JOB # :	4813197
DATE: 9/3/2025	SCALE: N.T.S.

REVISIONS:

