



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

RE: 5240835 -

MiTek, Inc.

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: JOHN CRAWFORD HOMES Project Name: Reyes Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.8
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 90 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	T40110551	CJ01	2/12/26	15	T40110565	EJ04G	2/12/26
2	T40110552	CJ01A	2/12/26	16	T40110566	HJ01	2/12/26
3	T40110553	CJ02	2/12/26	17	T40110567	HJ02	2/12/26
4	T40110554	CJ02A	2/12/26	18	T40110568	HJ03	2/12/26
5	T40110555	CJ03	2/12/26	19	T40110569	HJ04	2/12/26
6	T40110556	CJ03A	2/12/26	20	T40110570	PB01	2/12/26
7	T40110557	CJ04	2/12/26	21	T40110571	PB02	2/12/26
8	T40110558	CJ05	2/12/26	22	T40110572	PB03	2/12/26
9	T40110559	CJ06	2/12/26	23	T40110573	PB04	2/12/26
10	T40110560	EJ01	2/12/26	24	T40110574	PB05	2/12/26
11	T40110561	EJ01G	2/12/26	25	T40110575	PB06	2/12/26
12	T40110562	EJ02	2/12/26	26	T40110576	PB07	2/12/26
13	T40110563	EJ03	2/12/26	27	T40110577	PB08	2/12/26
14	T40110564	EJ04	2/12/26	28	T40110578	PB09	2/12/26

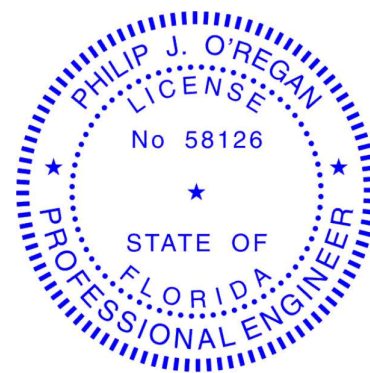
This item has been digitally signed and sealed by ORegan, Philip, PE on the date adjacent to the seal.

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The truss drawing(s) referenced above have been prepared by
MiTek USA, Inc. under my direct supervision based on the parameters
provided by Builders FirstSource-Lake City, FL.

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2027.

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



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

February 12, 2026

ORegan, Philip

1 of 2



RE: 5240835 -

MiTek, Inc.

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: JOHN CRAWFORD HOMES Project Name: Reyes Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
29	T40110579	PB10	2/12/26	86	T40110636	V02	2/12/26
30	T40110580	PB11	2/12/26	87	T40110637	V03	2/12/26
31	T40110581	PB12	2/12/26	88	T40110638	V04	2/12/26
32	T40110582	PB13	2/12/26	89	T40110639	V05	2/12/26
33	T40110583	PB14	2/12/26	90	T40110640	V06	2/12/26
34	T40110584	PB15	2/12/26				
35	T40110585	PB16	2/12/26				
36	T40110586	PB17	2/12/26				
37	T40110587	PB18	2/12/26				
38	T40110588	PB19	2/12/26				
39	T40110589	PB20	2/12/26				
40	T40110590	PB21	2/12/26				
41	T40110591	PB22	2/12/26				
42	T40110592	PB23	2/12/26				
43	T40110593	PB24	2/12/26				
44	T40110594	PB25	2/12/26				
45	T40110595	PB26	2/12/26				
46	T40110596	PB27	2/12/26				
47	T40110597	T01	2/12/26				
48	T40110598	T02	2/12/26				
49	T40110599	T03	2/12/26				
50	T40110600	T04	2/12/26				
51	T40110601	T05	2/12/26				
52	T40110602	T06	2/12/26				
53	T40110603	T07	2/12/26				
54	T40110604	T08	2/12/26				
55	T40110605	T09	2/12/26				
56	T40110606	T10	2/12/26				
57	T40110607	T11	2/12/26				
58	T40110608	T12	2/12/26				
59	T40110609	T13	2/12/26				
60	T40110610	T14	2/12/26				
61	T40110611	T15	2/12/26				
62	T40110612	T16	2/12/26				
63	T40110613	T17	2/12/26				
64	T40110614	T18	2/12/26				
65	T40110615	T19	2/12/26				
66	T40110616	T20	2/12/26				
67	T40110617	T21	2/12/26				
68	T40110618	T22	2/12/26				
69	T40110619	T22G	2/12/26				
70	T40110620	T23	2/12/26				
71	T40110621	T24	2/12/26				
72	T40110622	T25	2/12/26				
73	T40110623	T26	2/12/26				
74	T40110624	T27	2/12/26				
75	T40110625	T28	2/12/26				
76	T40110626	T29	2/12/26				
77	T40110627	T30G	2/12/26				
78	T40110628	T31	2/12/26				
79	T40110629	T31G	2/12/26				
80	T40110630	T32	2/12/26				
81	T40110631	T33	2/12/26				
82	T40110632	T34	2/12/26				
83	T40110633	T35	2/12/26				
84	T40110634	T36	2/12/26				
85	T40110635	V01	2/12/26				

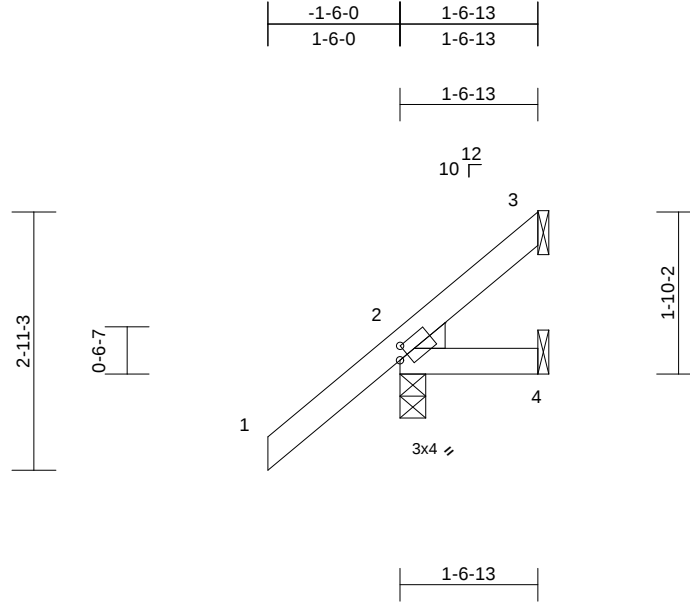
Job	Truss	Truss Type	Qty	Ply	
5240835	CJ01	Jack-Open	6	1	T40110551
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:04

Page: 1

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Scale = 1:26.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	4-7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 9 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE Left: 2x4 SP No.3

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 2, 10 lb uplift at joint 4 and 26 lb uplift at joint 3.

LOAD CASE(S) Standard

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-6-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-3-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=91 (LC 12)
Max Uplift 2=-58 (LC 12), 3=-26 (LC 12), 4=-10 (LC 19)
Max Grav 2=196 (LC 1), 3=26 (LC 19), 4=22 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/58, 2-3=-210/99
BOT CHORD 2-4=-69/55

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06"-00" tall by 2'-00"-00" wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.

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:

February 12,2026

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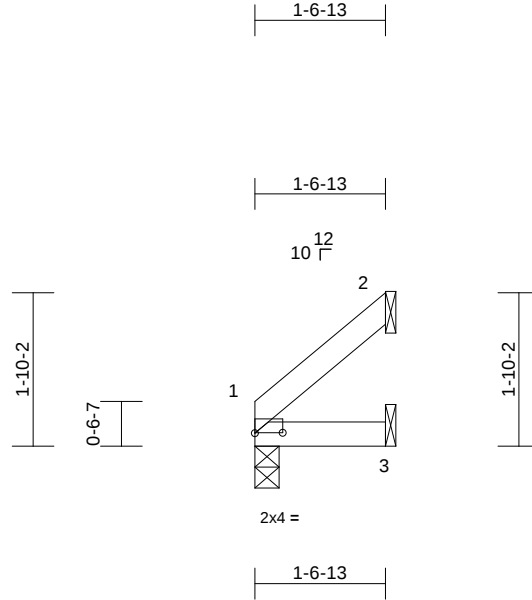
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	CJ01A	Jack-Open	1	1	T40110552
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:05
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Page: 1



Scale = 1:27.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	0.00	3-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	3-6	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 6 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or
1-6-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc
bracing.

REACTIONS (size) 1=0-3-8, 2= Mechanical, 3=
Mechanical
Max Horiz 1=50 (LC 12)
Max Uplift 2=-39 (LC 12), 3=-7 (LC 12)
Max Grav 1=62 (LC 1), 2=46 (LC 19), 3=30
(LC 3)

FORCES (lb) - Maximum Compression/Maximum
Tension

TOP CHORD 1-2=-52/25
BOT CHORD 1-3=-78/32

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat.
II; Exp B; Enclosed; MWFRS (envelope) exterior (2)
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
3-06-00 tall by 2-00-00 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 7 lb uplift at joint 3
and 39 lb uplift at joint 2.

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sealed by O'Regan, Philip, PE
on the date indicated here.
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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:

February 12,2026

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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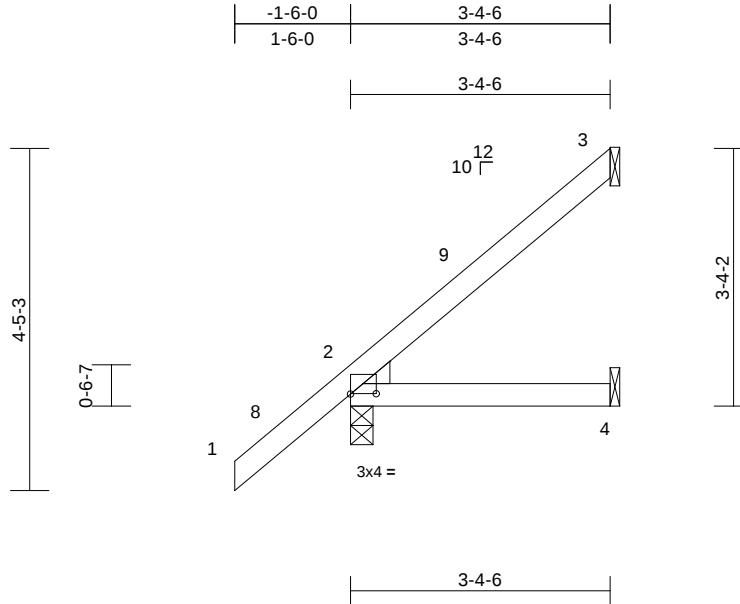
Job	Truss	Truss Type	Qty	Ply	
5240835	CJ02	Jack-Open	6	1	T40110553
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Page: 1

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Scale = 1:29.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 15 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE Left: 2x4 SP No.3

- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 3, 40 lb uplift at joint 2 and 24 lb uplift at joint 4.

LOAD CASE(S) Standard

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-4-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-3-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=148 (LC 12)
Max Uplift 2=-40 (LC 12), 3=-75 (LC 12), 4=-24 (LC 9)
Max Grav 2=243 (LC 1), 3=87 (LC 19), 4=59 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/58, 2-3=-274/143
BOT CHORD 2-4=-111/91

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 3-3-10 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

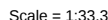
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MiTek®

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Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:05 Page: 1
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LUMBER		6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 2 and 10 lb uplift at joint 3.
TOP CHORD	2x4 SP No.2	
BOT CHORD	2x4 SP No.2	
WEDGE	Left: 2x4 SP No.3	LOAD CASE(S) Standard

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-4-6 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 1=0-3,8, 2= Mechanical, 3= Mechanical

Max Horiz 1=106 (LC 12)

Max Uplift 2=-81 (LC 12), 3=-10 (LC 12)

Max Grav 1=132 (LC 1), 2=99 (LC 19), 3=63 (LC 3)

FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=-184/63
BOT CHORD	1-3=-221/91

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 3-3-10 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.

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Date:

February 12, 2026



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

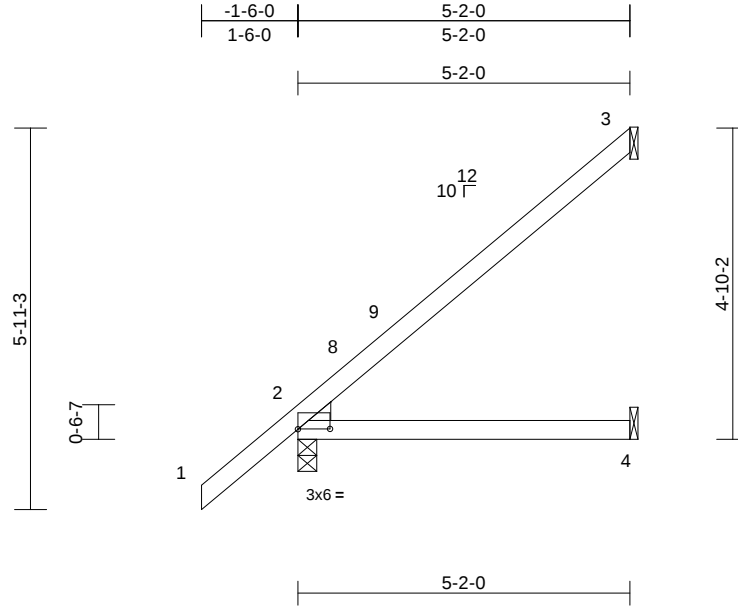
Job	Truss	Truss Type	Qty	Ply	
5240835	CJ03	Jack-Open	4	1	T40110555
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:06

Page: 1

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Scale = 1:35.8

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	0.07	4-7	>866	240	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.07	4-7	>890	180	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							
Weight: 21 lb FT = 20%											

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE Left: 2x4 SP No.3

- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 3, 39 lb uplift at joint 2 and 39 lb uplift at joint 4.

LOAD CASE(S) Standard

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(size) 2=0-3-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=206 (LC 12)
Max Uplift 2=-39 (LC 9), 3=-121 (LC 12), 4=-39 (LC 9)
Max Grav 2=307 (LC 1), 3=143 (LC 19), 4=95 (LC 3)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/58, 2-3=-364/228
BOT CHORD 2-4=-256/198

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 5-1-4 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.

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:

February 12,2026

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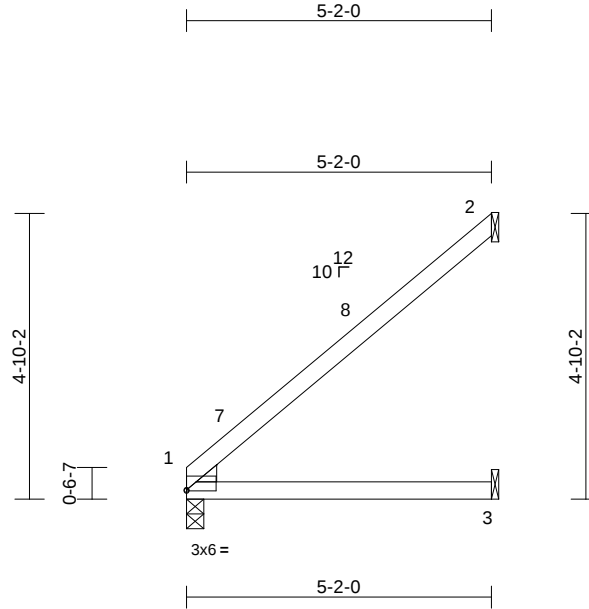
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5240835	CJ03A	Jack-Open	2	1	T40110556

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:06

Page: 1

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Scale = 1:39

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	0.06	3-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.07	3-6	>830	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 19 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE Left: 2x4 SP No.3

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 2 and 12 lb uplift at joint 3.

LOAD CASE(S) Standard

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 1=0-3-8, 2= Mechanical, 3= Mechanical
Max Horiz 1=164 (LC 12)
Max Uplift 2=-125 (LC 12), 3=-12 (LC 12)
Max Grav 1=204 (LC 1), 2=153 (LC 19), 3=98 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-378/162
BOT CHORD 1-3=-383/178

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 5-1-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.

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Philip J. O'Regan PE No.58126
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Date:

February 12,2026

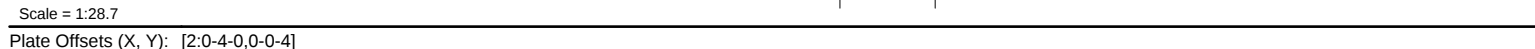
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LUMBER		6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 2, 20 lb uplift at joint 4 and 7 lb uplift at joint 3.
TOP CHORD	2x4 SP No.2	
BOT CHORD	2x4 SP No.2	
BRACING		LOAD CASE(S) Standard

REACTIONS	(size)	2=0-3-8, 3= Mechanical, 4= Mechanical
Max Horiz		2=71 (LC 12)
Max Uplift		2=-75 (LC 12), 3=-7 (LC 9), 4=-20 (LC 19)
Max Grav		2=194 (LC 1), 3=7 (LC 8), 4=21 (LC 16)

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.

Philip J. O'Regan PE No.58126
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February 12, 2026

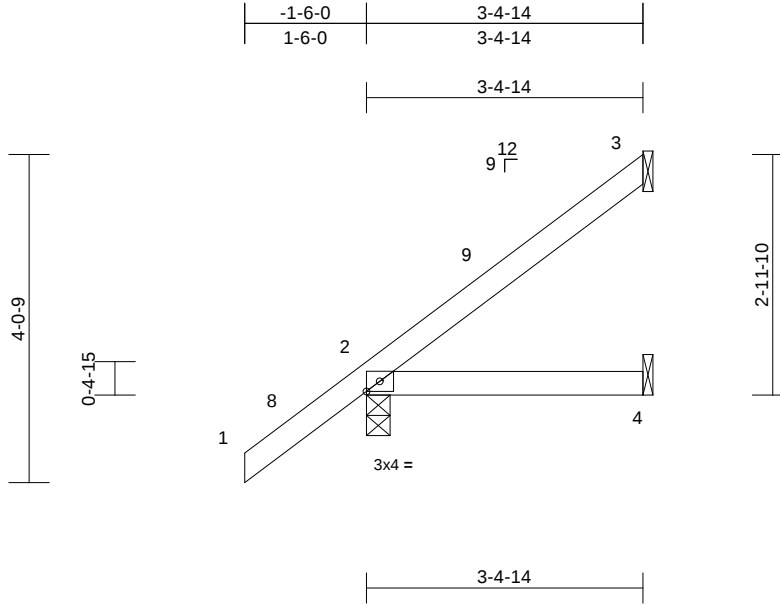
Job	Truss	Truss Type	Qty	Ply	
5240835	CJ05	Jack-Open	7	1	T40110558
Job Reference (optional)					

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Page: 1

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Scale = 1:28.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 15 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-4-14 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-3-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=134 (LC 12)
Max Uplift 2=-52 (LC 12), 3=-65 (LC 12), 4=-23 (LC 9)
Max Grav 2=244 (LC 1), 3=85 (LC 19), 4=60 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/54, 2-3=-197/92

BOT CHORD 2-4=-50/98

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 3-4-2 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 3-06-00 tall by 2-00-00 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 65 lb uplift at joint 3, 52 lb uplift at joint 2 and 23 lb uplift at joint 4.

LOAD CASE(S) Standard

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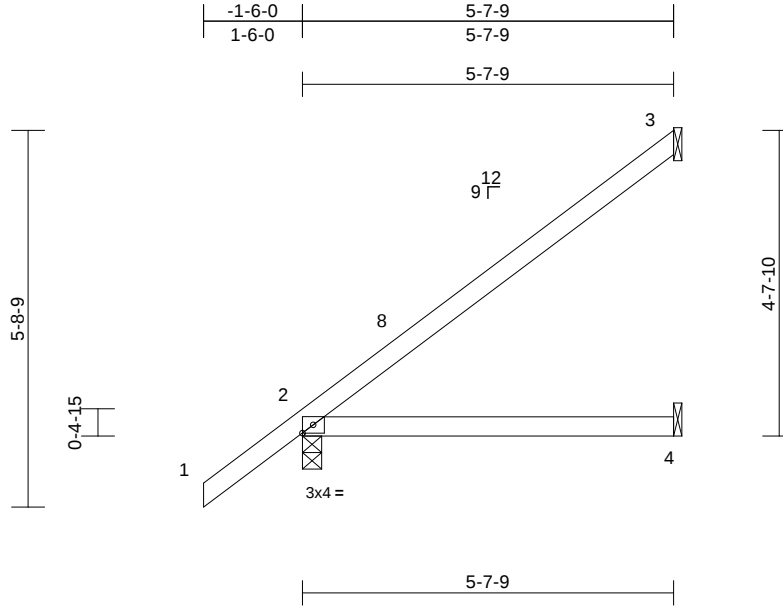
Job	Truss	Truss Type	Qty	Ply	
5240835	CJ06	Jack-Open	7	1	T40110559
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:06

Page: 1

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Scale = 1:34.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	0.09	4-7	>737	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.10	4-7	>692	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 22 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 5-7-9 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-3-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=198 (LC 12)
Max Uplift 2=-52 (LC 9), 3=-117 (LC 12), 4=-41 (LC 9)
Max Grav 2=325 (LC 1), 3=152 (LC 19), 4=104 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/54, 2-3=-248/148

BOT CHORD 2-4=-67/85

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 5-6-13 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 3-06-00 tall by 2-00-00 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 117 lb uplift at joint 3, 52 lb uplift at joint 2 and 41 lb uplift at joint 4.

LOAD CASE(S) Standard

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Date:

February 12,2026

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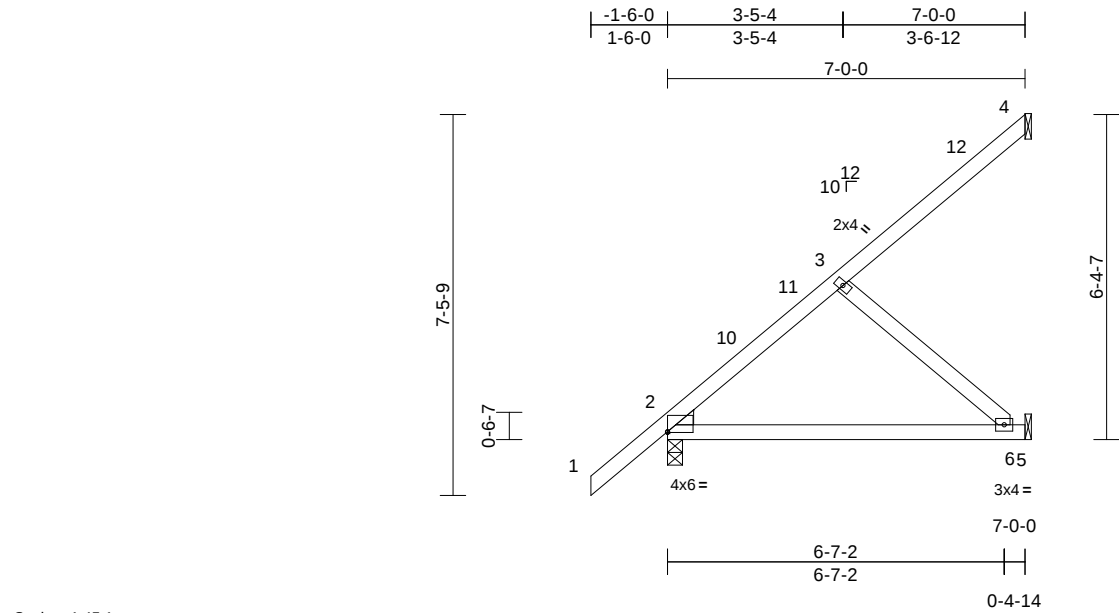
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Job	Truss	Truss Type	Qty	Ply	
5240835	EJ01	Jack-Partial	11	1	
					Job Reference (optional)
					T40110560

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,
Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:06
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Page: 1



Scale = 1:45.1									
Plate Offsets (X, Y): [2:Edge,0-0-3]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.08	6-9	>990
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.17	6-9	>492
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	2	n/a
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP					
								PLATES	GRIP
								MT20	244/190
								Weight: 34 lb	FT = 20%

LUMBER	
TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.3
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS (size)	
2=0-3-8, 4= Mechanical, 5= Mechanical	
Max Horiz	2=255 (LC 12)
Max Uplift	2=-35 (LC 12), 4=-67 (LC 12), 5=-92 (LC 12)
Max Grav	2=377 (LC 1), 4=95 (LC 19), 5=202 (LC 19)
FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/58, 2-3=-265/0, 3-4=-96/49
BOT CHORD	2-6=-203/174, 5-6=0/0
WEBS	3-6=-231/215

- NOTES**
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 6-11-4 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.
 - 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 3-06-00 tall by 2-00-00 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 67 lb uplift at joint 4, 35 lb uplift at joint 2 and 92 lb uplift at joint 5.

LOAD CASE(S) Standard

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Date:

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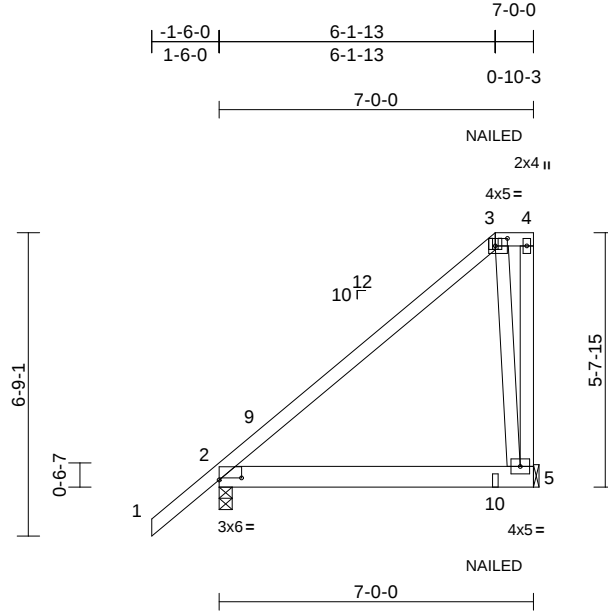
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Job	Truss	Truss Type	Qty	Ply	
5240835	EJ01G	Jack-Closed Girder	1	1	T40110561
Job Reference (optional)					

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Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:07
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Page: 1



Scale = 1:51.3

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	0.08	5-8	>999	240	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.10	5-8	>806	180	244/190
BCLL	0.0*	Rep Stress Incr	NO	WB	0.16	Horz(CT)	0.01	2	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							
Weight: 47 lb FT = 20%											

LUMBER

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

BRACING

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

REACTIONS (size) 2=0-3-8, 5= Mechanical
Max Horiz 2=241 (LC 8)
Max Uplift 2=-91 (LC 8), 5=-517 (LC 8)
Max Grav 2=417 (LC 1), 5=695 (LC 15)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-367/236, 3-4=0/0, 4-5=-21/11
BOT CHORD 2-5=-56/41
WEBS 3-5=-309/276

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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.
- 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 3-06-00 tall by 2-00-00 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 517 lb uplift at joint 5 and 91 lb uplift at joint 2.
 - "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 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
- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-4=-60, 5-6=-20
Concentrated Loads (lb)
Vert: 3=-131 (F), 10=-290 (F)

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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:

February 12,2026

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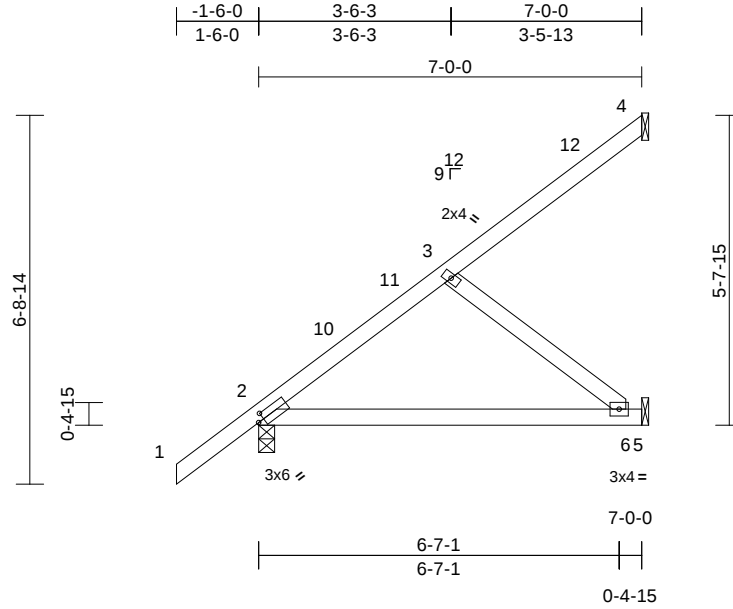
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5240835	EJ02	Jack-Partial	9	1	T40110562

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:07

Page: 1

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Scale = 1:42.1

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.08	6-9	>999	240	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.16	6-9	>514	180	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	2	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							
										Weight: 33 lb	FT = 20%

LUMBER

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

- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint 4, 55 lb uplift at joint 2 and 79 lb uplift at joint 5.

LOAD CASE(S) Standard

BRACING

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

REACTIONS

(size) 2=0-3-8, 4= Mechanical, 5= Mechanical
Max Horiz 2=230 (LC 12)
Max Uplift 2=-55 (LC 12), 4=-60 (LC 12), 5=-79 (LC 12)
Max Grav 2=377 (LC 1), 4=89 (LC 19), 5=201 (LC 19)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/54, 2-3=-234/0, 3-4=-87/43
BOT CHORD 2-6=-161/191, 5-6=0/0
WEBS 3-6=-244/205

NOTES

- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 6-11-4 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.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

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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:

February 12,2026

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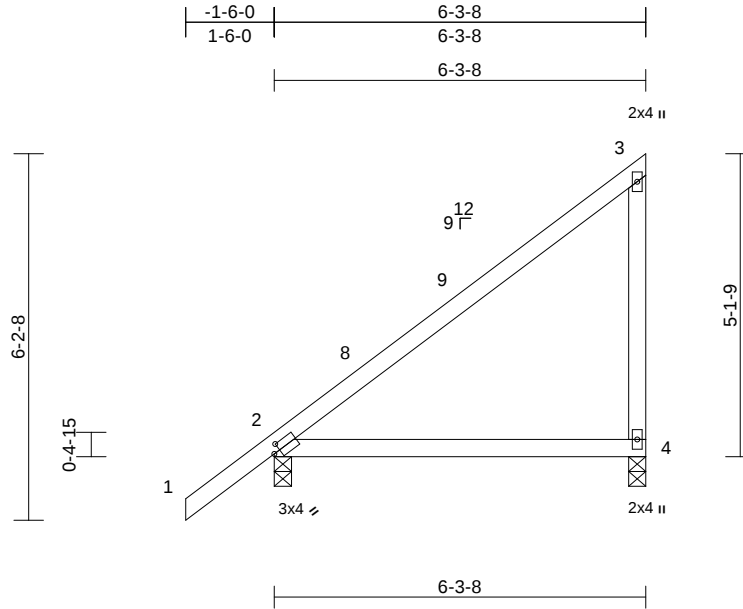
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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5240835	EJ03	Monopitch	3	1	T40110563

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Page: 1



Scale = 1:39

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	0.14	4-7	>510	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.15	4-7	>508	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 31 lb	FT = 20%

LUMBER

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

- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 136 lb uplift at joint 4 and 55 lb uplift at joint 2.

LOAD CASE(S) Standard

BRACING

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

REACTIONS (size) 2=0-3-8, 4=0-3-8
Max Horiz 2=215 (LC 12)
Max Uplift 2=-55 (LC 9), 4=-136 (LC 12)
Max Grav 2=347 (LC 1), 4=235 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/54, 2-3=-303/208, 3-4=-169/241
BOT CHORD 2-4=-93/105

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 6-1-12 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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'-0"-0 tall by 2'-0"-0 wide will fit between the bottom chord and any other members.

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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:

February 12,2026

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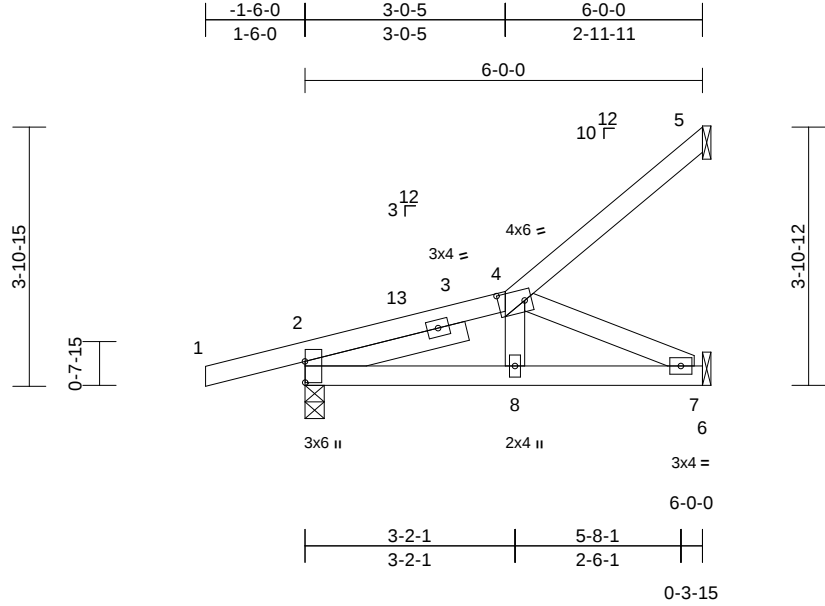
Job	Truss	Truss Type	Qty	Ply	
5240835	EJ04	Jack-Open	11	1	T40110564
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Scale = 1:34.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	0.00	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	7-8	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 31 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 -- 2-6-0

BRACING

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

REACTIONS

(size)	2=0-3-8, 5= Mechanical, 7= Mechanical
Max Horiz	2=134 (LC 12)
Max Uplift	2=-113 (LC 8), 5=-82 (LC 12), 7=-25 (LC 12)
Max Grav	2=337 (LC 1), 5=98 (LC 19), 7=149 (LC 3)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/22, 2-4=-292/33, 4-5=-109/53
BOT CHORD	2-8=-157/283, 7-8=-155/290, 6-7=0/0
WEBS	4-8=0/115, 4-7=-312/167

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 5-11-4 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.
- 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 3-06-00 tall by 2-00-00 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 82 lb uplift at joint 5, 113 lb uplift at joint 2 and 25 lb uplift at joint 7.

LOAD CASE(S) Standard

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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:

February 12,2026

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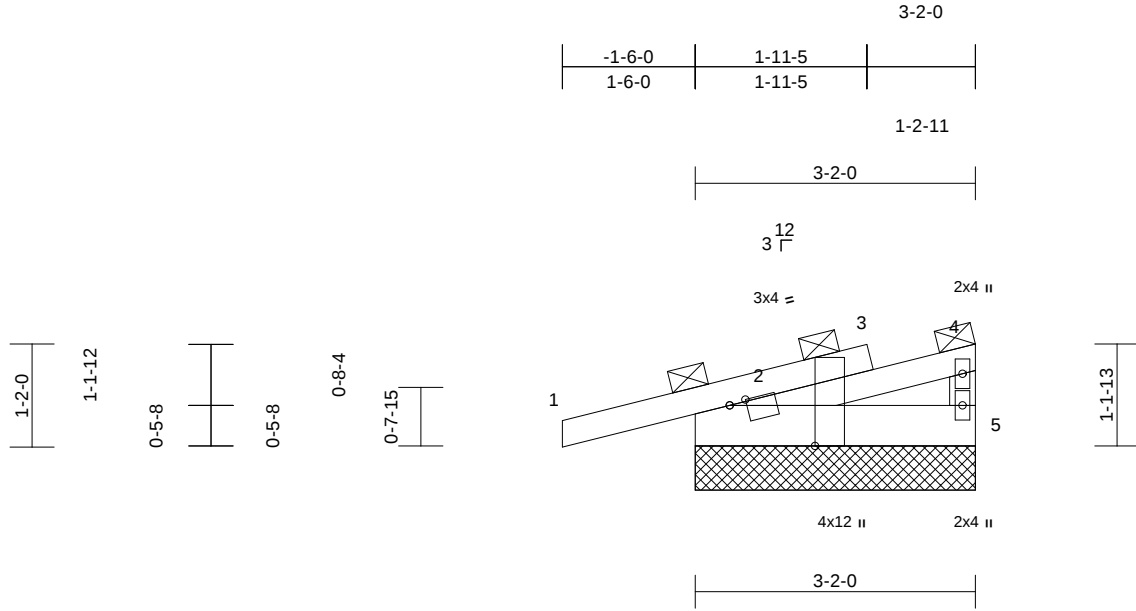
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Job	Truss	Truss Type	Qty	Ply	
5240835	EJ04G	Monopitch Supported Gable	2	1	T40110565
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:08
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Page: 1



Scale = 1:26

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							
										Weight: 18 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD 2-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=3-2-0, 5=3-2-0

Max Horiz 2=37 (LC 8)
Max Uplift 2=-170 (LC 8), 5=-2 (LC 12)
Max Grav 2=289 (LC 1), 5=48 (LC 3)

FORCES

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/24, 2-4=-18/9, 4-5=-38/13

BOT CHORD 2-5=-5/5

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 170 lb uplift at joint 2 and 2 lb uplift at joint 5.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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Date:

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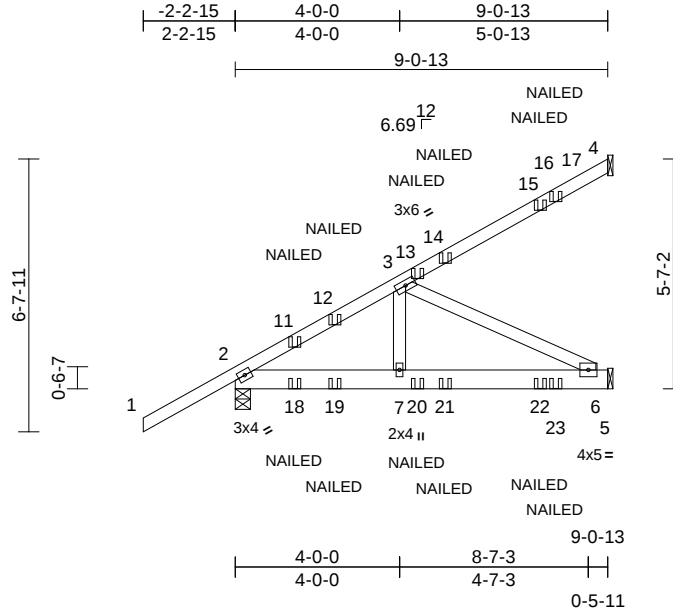
Job	Truss	Truss Type	Qty	Ply	
5240835	HJ01	Diagonal Hip Girder	1	1	T40110566
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Page: 1

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.03	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.03	6-7	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 51 lb	FT = 20%

LUMBER		
TOP CHORD	2x4	SP No.2
BOT CHORD	2x6	SP No.2
WEBS	2x4	SP No.3
BRACING		
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.	
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.	
REACTIONS	(size)	2=0-4-6, 4= Mechanical, 5= Mechanical
	Max Horiz	2=232 (LC 27)
	Max Uplift	2=-245 (LC 8), 4=-188 (LC 8), 5=-250 (LC 8)
	Max Grav	2=546 (LC 15), 4=216 (LC 15), 5=328 (LC 15)
FORCES		
	(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/66, 2-3=-673/334, 3-4=-199/103	
BOT CHORD	2-7=-397/497, 6-7=-397/497, 5-6=0/0	
WEBS	3-7=-64/243, 3-6=-555/443	

- NOTES**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 188 lb uplift at joint 4, 245 lb uplift at joint 2 and 250 lb uplift at joint 5.

- 7) "NAILED" indicates 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 (lb/ft)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 14=-2 (B), 15=-52 (F), 16=-54 (B), 20=-5 (F), 21=-6 (B), 22=-39 (F), 23=-35 (B)

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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:

February 12,2026

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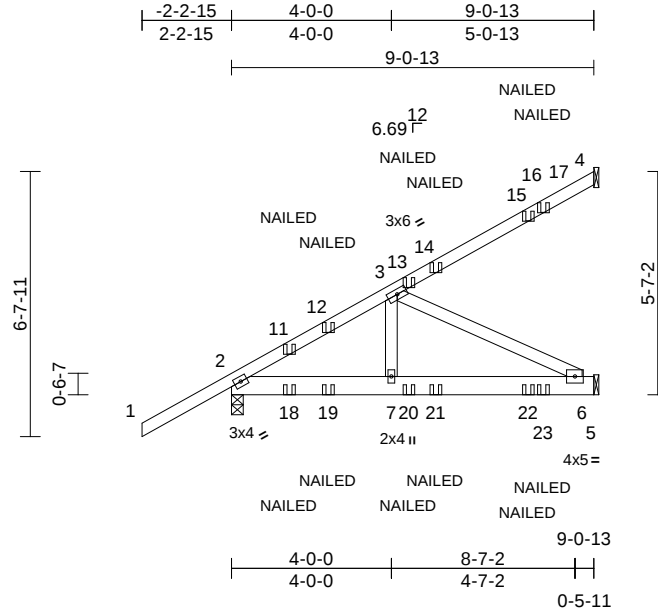
Job	Truss	Truss Type	Qty	Ply	
5240835	HJ02	Diagonal Hip Girder	4	1	T40110567
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:08

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Scale = 1:57.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.03	6-7	>999	240	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.03	6-7	>999	180	244/190
BCLL	0.0*	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.00	4	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 51 lb FT = 20%

LUMBER

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

BRACING

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

REACTIONS

(size)	2=0-3-8, 4= Mechanical, 5= Mechanical
Max Horiz	2=232 (LC 27)
Max Uplift	2=-245 (LC 8), 4=-188 (LC 8), 5=-250 (LC 8)
Max Grav	2=545 (LC 15), 4=216 (LC 15), 5=328 (LC 15)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/66, 2-3=-673/334, 3-4=-199/103
BOT CHORD	2-7=-396/497, 6-7=-396/497, 5-6=0/0
WEBS	3-7=-64/243, 3-6=-555/442

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 188 lb uplift at joint 4, 245 lb uplift at joint 2 and 250 lb uplift at joint 5.

- 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 (lb/ft)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 14=-2 (F), 15=-52 (B), 16=-54 (F), 20=-5 (B), 21=-6 (F), 22=-39 (B), 23=-35 (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
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Date:

February 12,2026

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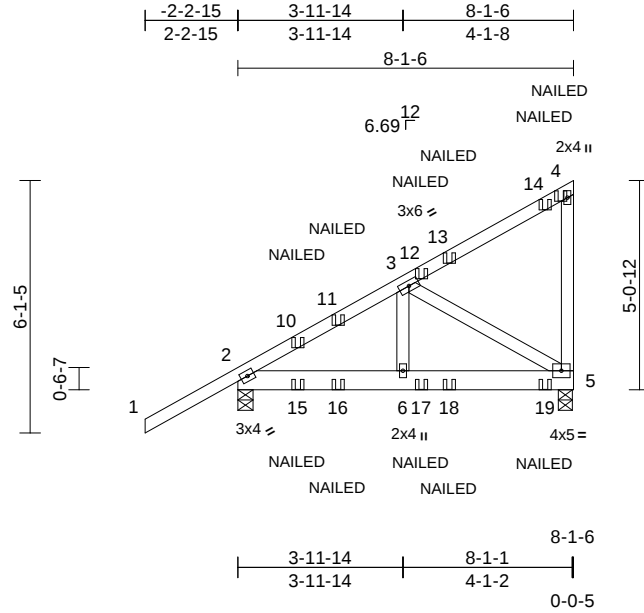
Job	Truss	Truss Type	Qty	Ply	
5240835	HJ03	Roof Special Girder	1	1	T40110568
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Scale = 1:55.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	0.01	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	5-6	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.16	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 52 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (size)

Max Horiz	2=213 (LC 8)
Max Uplift	2=-198 (LC 8), 5=-440 (LC 8)
Max Grav	2=486 (LC 1), 5=552 (LC 18)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/66, 2-3=-504/218, 3-4=-150/77, 4-5=-280/244
-----------	---

BOT CHORD	2-6=-259/335, 5-6=-259/335
-----------	----------------------------

WEBS	3-6=-60/185, 3-5=-390/301
------	---------------------------

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 2 and 440 lb uplift at joint 5.

- "NAILED" indicates 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 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
- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-4=-60, 5-7=-20
Concentrated Loads (lb)
Vert: 4=-85 (B), 13=-2 (B), 14=-81 (F), 17=-5 (F), 18=-6 (B), 19=-48 (F)

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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:

February 12,2026

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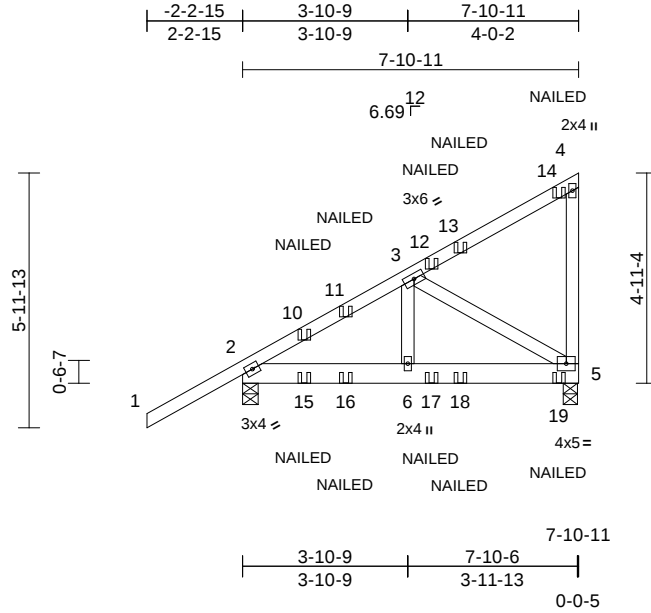
Job	Truss	Truss Type	Qty	Ply	
5240835	HJ04	Roof Special Girder	1	1	T40110569
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Scale = 1:54.1												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	0.01	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	5-6	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.14	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 51 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS

(size)	2=0-4-6, 5=0-4-1
Max Horiz	2=208 (LC 8)
Max Uplift	2=-191 (LC 8), 5=-346 (LC 8)
Max Grav	2=474 (LC 1), 5=464 (LC 15)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/66, 2-3=-481/185, 3-4=-142/84, 4-5=-189/155
BOT CHORD	2-6=-243/324, 5-6=-243/324
WEBS	3-6=-41/175, 3-5=-377/283

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 2 and 346 lb uplift at joint 5.

- "NAILED" indicates 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 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
- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-4=-60, 5-7=-20
Concentrated Loads (lb)
Vert: 13=-2 (B), 14=-88 (F), 17=-5 (F), 18=-6 (B), 19=-50 (F)

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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:

February 12,2026

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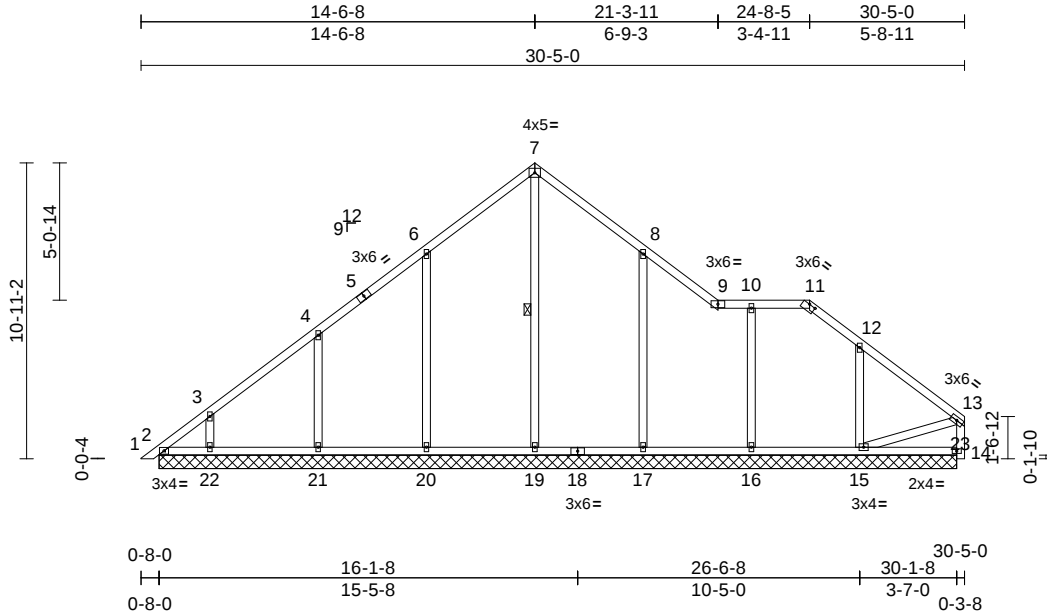
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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5240835	PB01	Piggyback	1	1	T40110570

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Page: 1



Scale = 1:85.1

Plate Offsets (X, Y): [11:0-3-0,0-0-1]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	n/a	-	n/a	999	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.01	15	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 165 lb FT = 20%											

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

WEBS	7-19=-229/10, 6-20=-284/221, 4-21=-268/210, 3-22=-229/183, 8-17=-281/219, 10-16=-245/143, 12-15=-255/204, 13-15=-109/190
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LOAD CASE(S) Standard

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 7-19

REACTIONS	(size)	2=29-5-8, 14=29-5-8, 15=29-5-8, 16=29-5-8, 17=29-5-8, 19=29-5-8, 20=29-5-8, 21=29-5-8, 22=29-5-8, 23=29-5-8
	Max Horiz	2=259 (LC 9)
	Max Uplift	2=-106 (LC 10), 14=-10 (LC 9), 15=-238 (LC 13), 16=-119 (LC 13), 17=-195 (LC 13), 20=-197 (LC 12), 21=-185 (LC 12), 22=-165 (LC 12)
	Max Grav	2=190 (LC 12), 14=187 (LC 22), 15=458 (LC 20), 16=407 (LC 2), 17=481 (LC 20), 19=429 (LC 22), 20=487 (LC 19), 21=443 (LC 19), 22=340 (LC 19)

FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/16, 2-3=-340/245, 3-4=-223/205, 4-6=-167/154, 6-7=-139/211, 7-8=-122/186, 8-9=-37/58, 9-10=-22/25, 10-11=-22/25, 11-12=-90/33, 12-13=-154/105, 14-23=0/0, 13-14=-133/22
BOT CHORD	2-22=-77/164, 21-22=-77/164, 20-21=-77/164, 19-20=-77/164, 17-19=-77/164, 16-17=-77/164, 15-16=-77/164, 14-15=-17/41

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.
- 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 2x4 (II) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 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 10 lb uplift at joint 14, 197 lb uplift at joint 20, 185 lb uplift at joint 21, 165 lb uplift at joint 22, 195 lb uplift at joint 17, 119 lb uplift at joint 16, 238 lb uplift at joint 15, 106 lb uplift at joint 2 and 106 lb uplift at joint 2.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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
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Date:

February 12,2026

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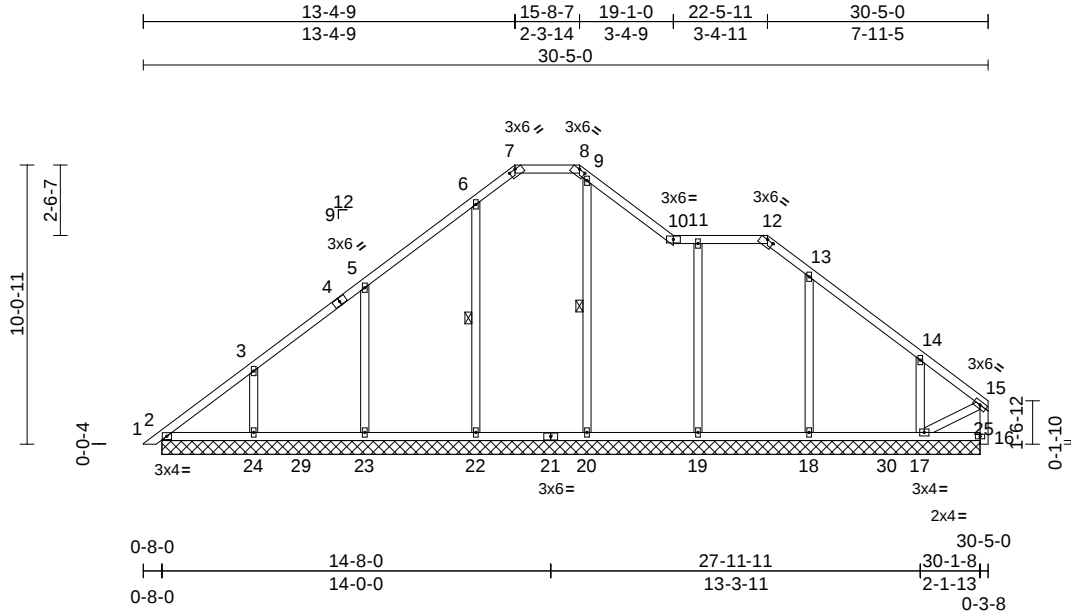
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5240835	PB02	Piggyback	1	1	T40110571

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Page: 1

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Scale = 1:83

Plate Offsets (X, Y): [7:0-3-0,0-0-1], [8:0-3-0,0-0-1], [12:0-3-0,0-0-1]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.01	16	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 164 lb FT = 20%											

LUMBER	WEBS	LOAD CASE(S)
TOP CHORD 2x4 SP No.2	3-24=-257/195, 5-23=-273/224,	Standard
BOT CHORD 2x4 SP No.2	6-22=-237/141, 9-20=-208/54,	
WEBS 2x4 SP No.3	11-19=-260/162, 13-18=-246/203,	
OTHERS 2x4 SP No.3	14-17=-238/184, 15-17=-141/277	

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10'-0" oc bracing.
WEBS	1 Row at midpt 6-22, 9-20

REACTIONS	(size)
Max Horiz	2=239 (LC 9)
Max Uplift	2=-39 (LC 8), 16=-117 (LC 11), 17=-294 (LC 13), 18=-178 (LC 13), 19=-138 (LC 13), 20=-30 (LC 13), 22=-118 (LC 12), 23=-196 (LC 12), 24=-190 (LC 12)
Max Grav	2=228 (LC 21), 16=284 (LC 13), 17=418 (LC 20), 18=450 (LC 20), 19=416 (LC 2), 20=384 (LC 20), 22=438 (LC 19), 23=468 (LC 19), 24=417 (LC 19)

FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/16, 2-3=-343/196, 3-5=-212/147, 5-6=-125/91, 6-7=-110/75, 7-8=-55/78, 8-9=-96/74, 9-10=-66/60, 10-11=-36/48, 11-12=-36/48, 12-13=-99/59, 13-14=-174/124, 14-15=-286/166, 16-25=0/0, 15-16=-278/131
BOT CHORD	2-24=-124/247, 23-24=-124/247, 22-23=-124/247, 20-22=-124/247, 19-20=-124/247, 18-19=-124/247, 17-18=-124/247, 16-17=0/5

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.
- 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 2x4 (II) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4'-0" oc.
- 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'-06"-00 tall by 2'-00"-00 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 39 lb uplift at joint 2, 190 lb uplift at joint 24, 196 lb uplift at joint 23, 118 lb uplift at joint 22, 30 lb uplift at joint 20, 138 lb uplift at joint 19, 178 lb uplift at joint 18, 294 lb uplift at joint 17, 117 lb uplift at joint 16 and 39 lb uplift at joint 2.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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:

February 12,2026

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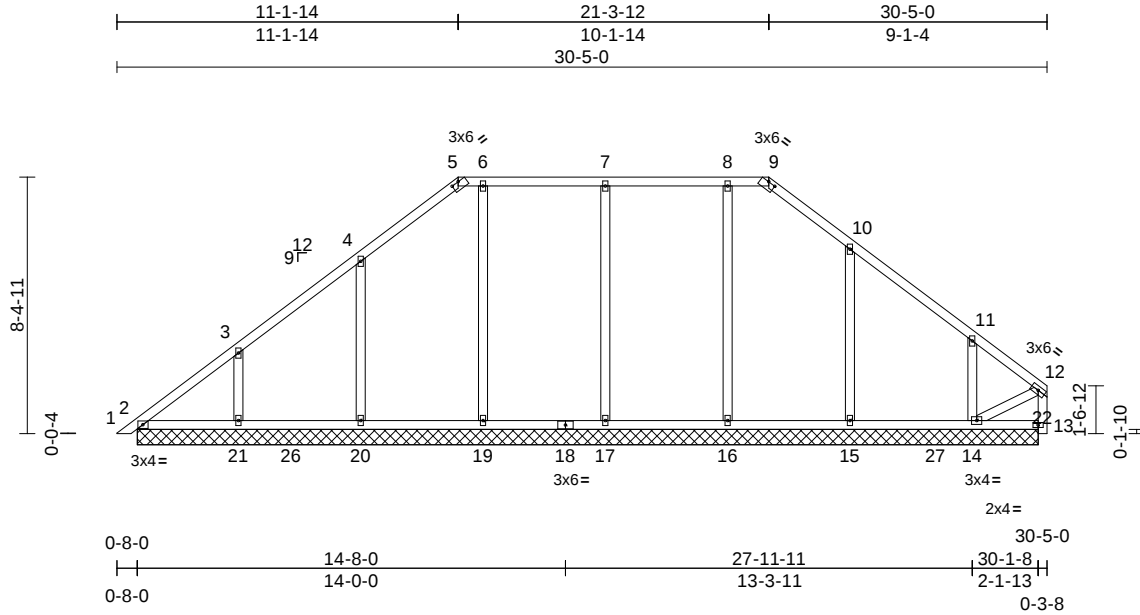
Job	Truss	Truss Type	Qty	Ply	
5240835	PB03	Piggyback	1	1	T40110572
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:10

Page: 1

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Scale = 1:75.4

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	n/a	-	n/a	999	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.01	13	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 160 lb FT = 20%											

LUMBER	WEBS	LOAD CASE(S)
TOP CHORD 2x4 SP No.2	3-21=-258/200, 4-20=-267/205,	Standard
BOT CHORD 2x4 SP No.2	6-19=-215/110, 7-17=-256/140,	
WEBS 2x4 SP No.3	8-16=-216/93, 10-15=-256/187,	
OTHERS 2x4 SP No.3	11-14=-236/190, 12-14=-62/178	

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

REACTIONS	(size)
Max Horiz	2=29-5-8, 13=29-5-8, 14=29-5-8, 15=29-5-8, 16=29-5-8, 17=29-5-8, 19=29-5-8, 20=29-5-8, 21=29-5-8, 22=29-5-8
Max Uplift	2=198 (LC 9), 13=25 (LC 11), 14=253 (LC 13), 15=162 (LC 13), 16=69 (LC 8), 17=116 (LC 8), 19=87 (LC 9), 20=178 (LC 12), 21=192 (LC 12)
Max Grav	2=204 (LC 21), 13=197 (LC 22), 14=381 (LC 20), 15=460 (LC 20), 16=378 (LC 28), 17=413 (LC 28), 19=379 (LC 27), 20=462 (LC 19), 21=418 (LC 19)

FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/16, 2-3=-229/127, 3-4=-177/78, 4-5=-144/104, 5-6=-77/102, 6-7=-77/102, 7-8=-77/102, 8-9=-77/102, 9-10=-132/95, 10-11=-145/34, 11-12=-176/76, 13-22=0/0, 12-13=-175/41
BOT CHORD	2-21=-52/158, 20-21=-52/158, 19-20=-52/158, 17-19=-52/158, 16-17=-52/158, 15-16=-52/158, 14-15=-52/158, 13-14=0/5

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.
- 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 2x4 (II) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 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 20 lb uplift at joint 2, 192 lb uplift at joint 21, 178 lb uplift at joint 20, 87 lb uplift at joint 19, 116 lb uplift at joint 17, 69 lb uplift at joint 16, 162 lb uplift at joint 15, 253 lb uplift at joint 14, 25 lb uplift at joint 13 and 20 lb uplift at joint 2.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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:

February 12,2026

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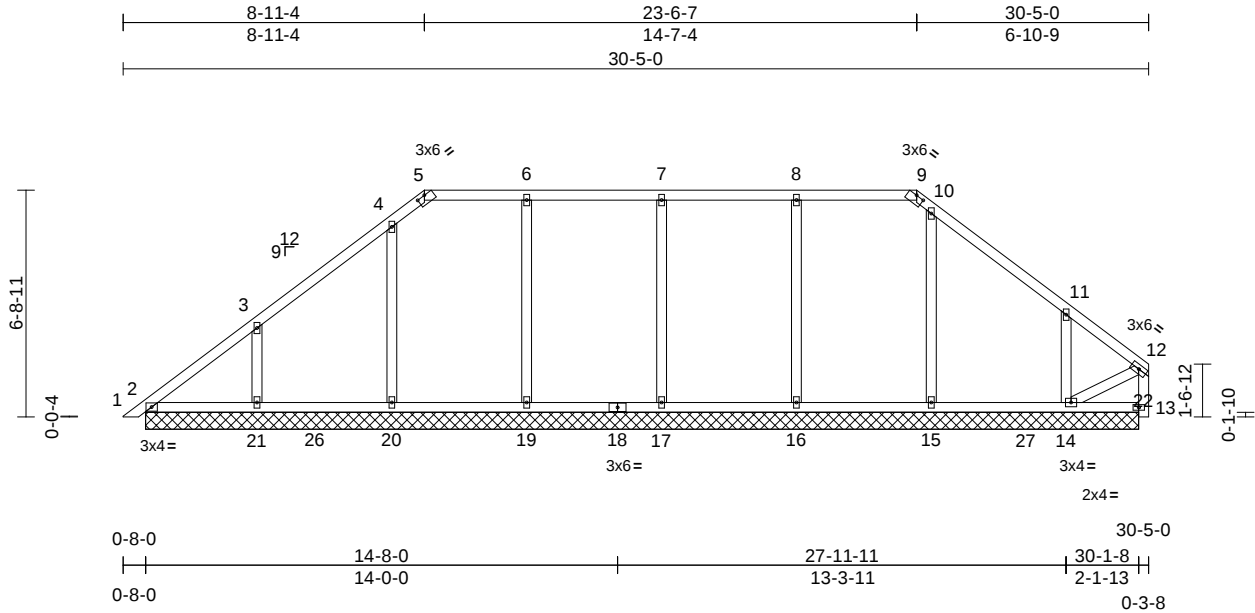
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply		T40110573
5240835	PB04	Piggyback	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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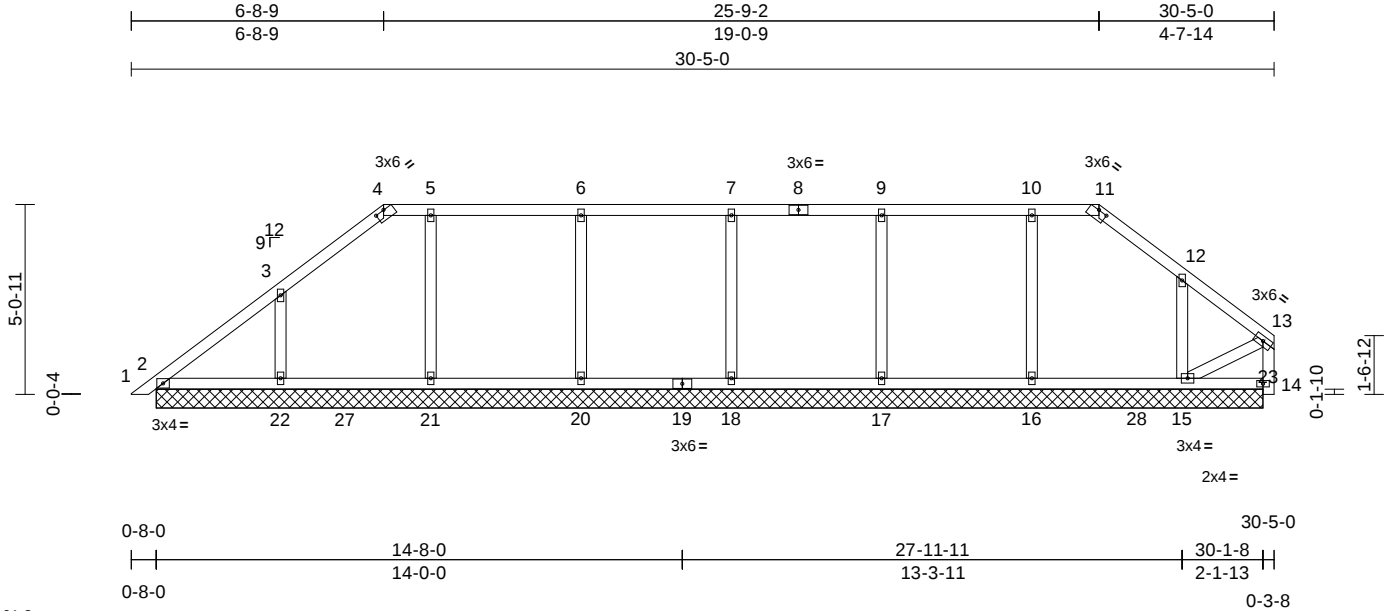


Job	Truss	Truss Type	Qty	Ply	
5240835	PB05	Piggyback	1	1	T40110574
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:10
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Page: 1



Scale = 1:61.3

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	n/a	-	n/a	999	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	14	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 139 lb FT = 20%											

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

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

REACTIONS (size)	
Max Horiz	2=29-5-8, 14=29-5-8, 15=29-5-8, 16=29-5-8, 17=29-5-8, 18=29-5-8, 20=29-5-8, 21=29-5-8, 22=29-5-8, 23=29-5-8
Max Uplift	2=115 (LC 9), 15=158 (LC 13), 16=88 (LC 8), 17=103 (LC 9), 18=95 (LC 9), 20=108 (LC 8), 21=87 (LC 9), 22=175 (LC 12)
Max Grav	2=186 (LC 20), 14=158 (LC 19), 15=321 (LC 20), 16=391 (LC 28), 17=405 (LC 27), 18=398 (LC 2), 20=411 (LC 28), 21=373 (LC 27), 22=403 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/16, 2-3=-146/61, 3-4=-150/62, 4-5=-70/66, 5-6=-70/66, 6-7=-70/66, 7-9=-70/66, 9-10=-70/66, 10-11=-70/66, 11-12=-142/60, 12-13=-124/32, 14-23=0/0, 13-14=-137/18
BOT CHORD	2-22=-32/92, 21-22=-21/92, 20-21=-21/92, 18-20=-21/92, 17-18=-21/92, 16-17=-21/92, 15-16=-21/92, 14-15=-6/9

WEBS	
3-22=-243/182, 5-21=-214/113, 6-20=-253/132, 7-18=-237/119, 9-17=-248/127, 10-16=-225/112, 12-15=-193/141, 13-15=-28/99	

- 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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
 - 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.
 - 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 2x4 (II) MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 oc.
 - 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 3-06-00 tall by 2-00-00 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 6 lb uplift at joint 2, 175 lb uplift at joint 22, 87 lb uplift at joint 21, 108 lb uplift at joint 20, 95 lb uplift at joint 18, 103 lb uplift at joint 17, 88 lb uplift at joint 16, 158 lb uplift at joint 15, 13 lb uplift at joint 14 and 6 lb uplift at joint 2.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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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:

February 12,2026

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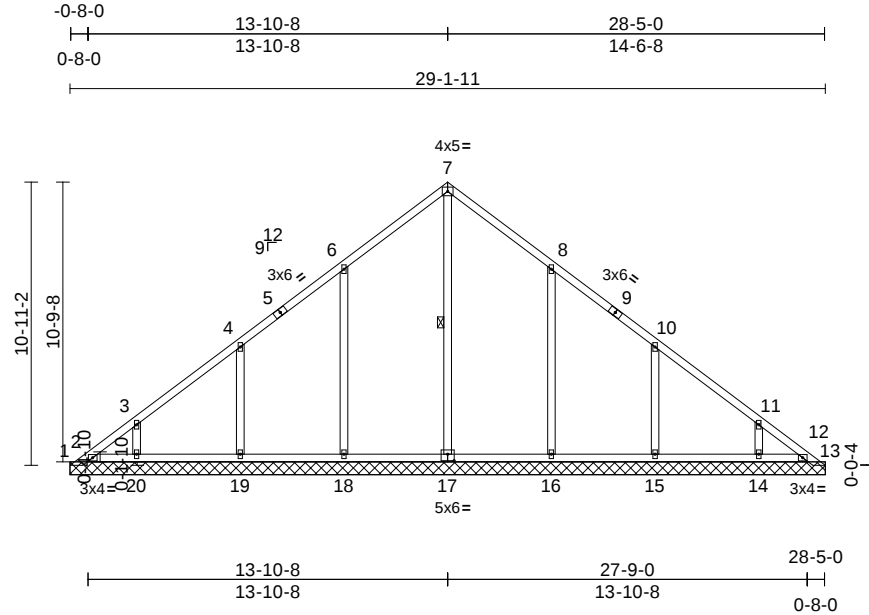
Job	Truss	Truss Type	Qty	Ply	
5240835	PB06	Piggyback	6	1	T40110575
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Page: 1

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Scale = 1:88.9

Plate Offsets (X, Y): [17:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.30	Horiz(TL)	0.01	13	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 148 lb	FT = 20%

LUMBER	WEBS	LOAD CASE(S)
TOP CHORD 2x4 SP No.2	7-17=-216/37, 6-18=-283/221,	Standard
BOT CHORD 2x4 SP No.2	4-19=-268/210, 3-20=-230/181,	
OTHERS 2x4 SP No.3	8-16=-283/220, 10-15=-268/211,	
	11-14=-230/182	

BRACING	NOTES
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.	1) Unbalanced roof live loads have been considered for this design.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.	2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
WEBS 1 Row at midpt 7-17	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.
REACTIONS (size)	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.
Max Horiz 1=29-1-11, 2=29-1-11, 12=29-1-11, 13=29-1-11, 14=29-1-11, 15=29-1-11, 16=29-1-11, 17=29-1-11, 18=29-1-11, 19=29-1-11, 20=29-1-11	5) All plates are 2x4 () MT20 unless otherwise indicated.
Max Uplift 1=-265 (LC 8), 12=-38 (LC 11), 13=-4 (LC 13), 14=-162 (LC 13), 15=-186 (LC 13), 16=-196 (LC 13), 18=-197 (LC 12), 19=-186 (LC 12), 20=-162 (LC 12)	6) Gable requires continuous bottom chord bearing.
Max Grav 1=190 (LC 11), 2=141 (LC 22), 12=130 (LC 22), 13=29 (LC 1), 14=343 (LC 20), 15=443 (LC 20), 16=486 (LC 20), 17=414 (LC 22), 18=486 (LC 19), 19=443 (LC 19), 20=343 (LC 19)	7) Gable studs spaced at 4-0-0 oc.
FORCES (lb) - Maximum Compression/Maximum Tension	8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
TOP CHORD 1-2=-325/321, 2-3=-288/211, 3-4=-212/172, 4-6=-184/148, 6-7=-155/230, 7-8=-151/205, 8-10=-119/90, 10-11=-155/87, 11-12=-231/126, 12-13=-15/7	9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
BOT CHORD 2-20=-94/206, 19-20=-94/206, 18-19=-94/206, 16-18=-94/206, 15-16=-94/206, 14-15=-94/206, 12-14=-94/206	10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 2, 38 lb uplift at joint 12, 4 lb uplift at joint 13, 197 lb uplift at joint 18, 186 lb uplift at joint 19, 162 lb uplift at joint 20, 196 lb uplift at joint 16, 186 lb uplift at joint 15, 162 lb uplift at joint 14, 173 lb uplift at joint 1, 30 lb uplift at joint 2 and 38 lb uplift at joint 12.
	11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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

February 12,2026

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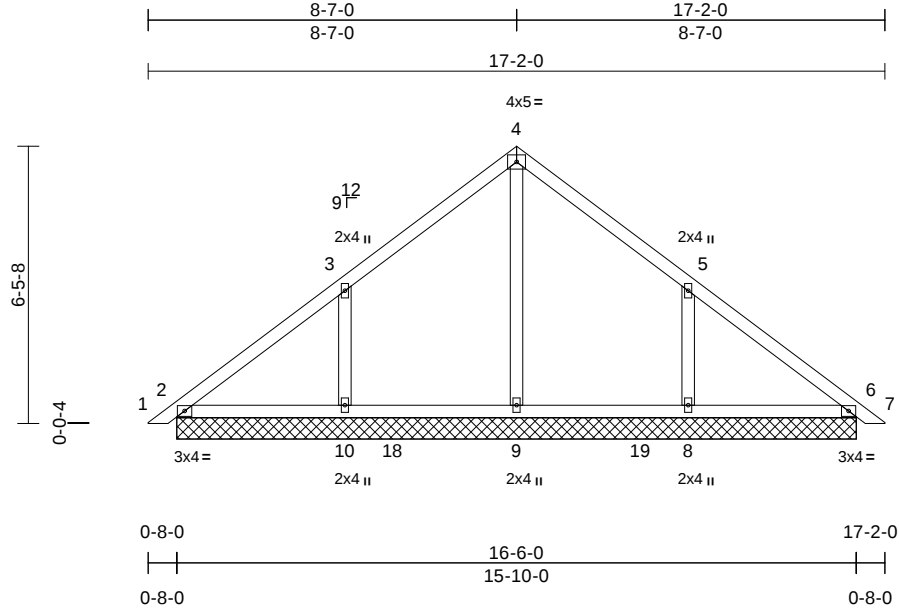
Job	Truss	Truss Type	Qty	Ply	
5240835	PB07	Piggyback	2	1	T40110576
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Page: 1

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Scale = 1:53.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 72 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS	(size)	2=15-10-0, 6=15-10-0, 8=15-10-0, 9=15-10-0, 10=15-10-0
	Max Horiz	2=155 (LC 11)
	Max Uplift	2=-37 (LC 13), 6=-17 (LC 12), 8=-221 (LC 13), 10=-222 (LC 12)
	Max Grav	2=212 (LC 20), 6=189 (LC 19), 8=484 (LC 20), 9=331 (LC 22), 10=485 (LC 19)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/16, 2-3=-155/103, 3-4=-158/150, 4-5=-142/150, 5-6=-117/53, 6-7=0/16
BOT CHORD	2-10=-41/106, 9-10=-40/106, 8-9=-40/106, 6-8=-40/106
WEBS	4-9=-138/2, 3-10=-302/238, 5-8=-301/238

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

- Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 oc.
 - 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 3-06-00 tall by 2-00-00 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 37 lb uplift at joint 2, 17 lb uplift at joint 6, 222 lb uplift at joint 10, 221 lb uplift at joint 8, 37 lb uplift at joint 2 and 17 lb uplift at joint 6.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- LOAD CASE(S)** Standard

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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:

February 12,2026

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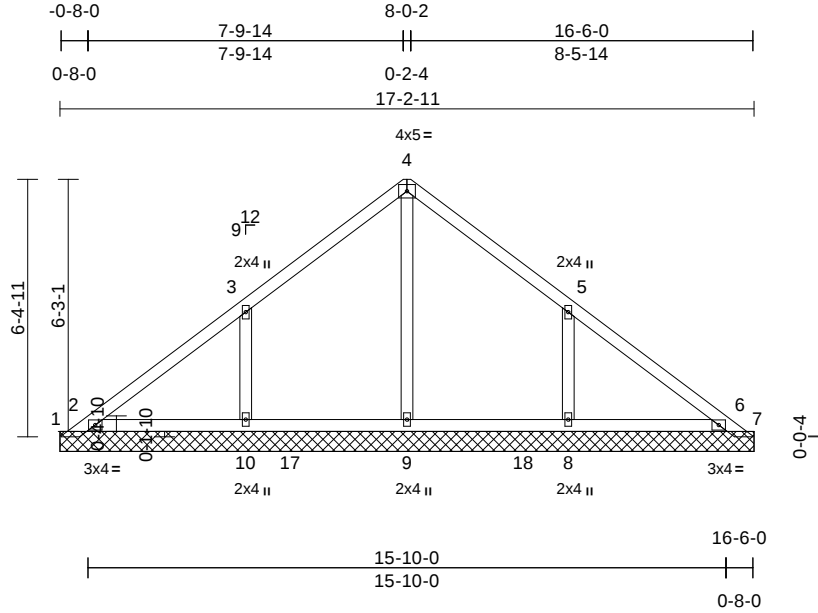
Job	Truss	Truss Type	Qty	Ply	
5240835	PB08	Piggyback	1	1	T40110577
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:11

Page: 1

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Scale = 1:57.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 72 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (size)	1=17-2-11, 2=17-2-11, 6=17-2-11, 7=17-2-11, 8=17-2-11, 9=17-2-11, 10=17-2-11
Max Horiz	1=-155 (LC 8)
Max Uplift	1=-287 (LC 19), 2=-166 (LC 12), 6=-120 (LC 13), 7=-208 (LC 20), 8=-203 (LC 13), 10=-203 (LC 12)
Max Grav	1=170 (LC 12), 2=489 (LC 19), 6=423 (LC 20), 7=101 (LC 13), 8=445 (LC 20), 9=351 (LC 22), 10=446 (LC 19)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=-211/285, 2-3=-160/110, 3-4=-147/141, 4-5=-130/141, 5-6=-123/85, 6-7=-65/144
BOT CHORD	2-10=-80/110, 9-10=-46/110, 8-9=-46/110, 6-8=-89/110
WEBS	4-9=-156/4, 3-10=-285/230, 5-8=-285/230

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.

- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 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 166 lb uplift at joint 2, 120 lb uplift at joint 6, 287 lb uplift at joint 1, 208 lb uplift at joint 7, 203 lb uplift at joint 10, 203 lb uplift at joint 8, 166 lb uplift at joint 2 and 120 lb uplift at joint 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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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:

February 12,2026

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Page: 1

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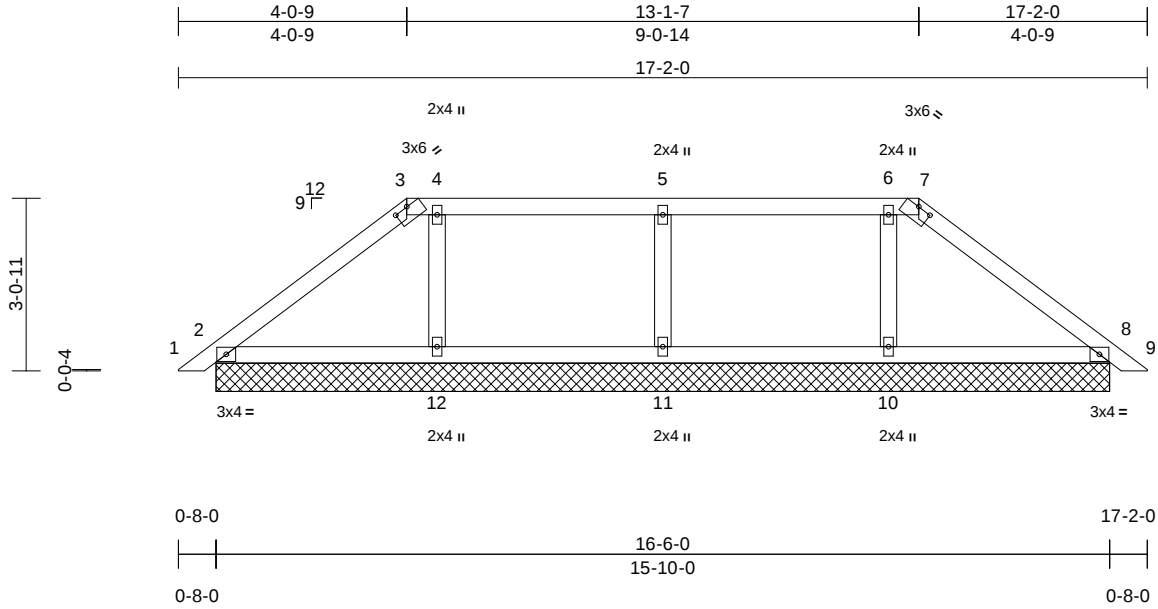
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-LLS.com

Job	Truss	Truss Type	Qty	Ply	
5240835	PB10	Piggyback	1	1	T40110579
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:12
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Page: 1



Scale = 1:40.8

Plate Offsets (X, Y): [3:0-3-0,0-0-1], [7:0-3-0,0-0-1]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	17	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 63 lb FT = 20%

LUMBER

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

BRACING

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

REACTIONS	(size)	2=15-10-0, 8=15-10-0, 10=15-10-0, 11=15-10-0, 12=15-10-0
	Max Horiz	2=-72 (LC 10)
	Max Uplift	2=-65 (LC 12), 8=-72 (LC 13), 10=-101 (LC 8), 11=-111 (LC 8), 12=-112 (LC 9)
	Max Grav	2=194 (LC 1), 8=202 (LC 20), 10=333 (LC 26), 11=325 (LC 25), 12=333 (LC 25)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/16, 2-3=-142/79, 3-4=-81/98, 4-5=-81/98, 5-6=-81/98, 6-7=-81/98, 7-8=-128/71, 8-9=0/16
BOT CHORD	2-12=-31/92, 11-12=-11/92, 10-11=-11/92, 8-10=-13/92
WEBS	5-11=-253/135, 4-12=-228/127, 6-10=-228/116

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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

- 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.
- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 65 lb uplift at joint 2, 72 lb uplift at joint 8, 111 lb uplift at joint 11, 112 lb uplift at joint 12, 101 lb uplift at joint 10, 65 lb uplift at joint 2 and 72 lb uplift at joint 8.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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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:

February 12,2026

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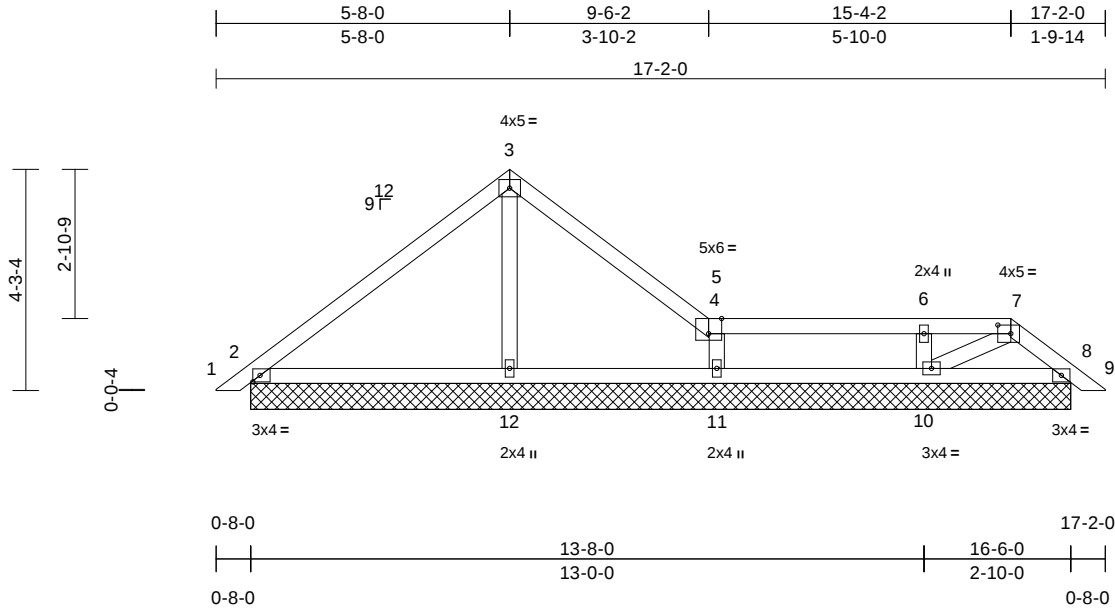
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	PB11	Piggyback	1	1	T40110580
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:12
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Page: 1



Scale = 1:44.5

Plate Offsets (X, Y): [2:0-1-11,0-1-8], [4:0-3-0,Edge], [7:0-3-0,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	2	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 63 lb FT = 20%

LUMBER

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

BRACING

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

REACTIONS	(size)	2=15-10-0, 8=15-10-0, 10=15-10-0, 11=15-10-0, 12=15-10-0
	Max Horiz	2=-101 (LC 10)
	Max Uplift	2=-74 (LC 12), 8=-29 (LC 13), 10=-94 (LC 13), 11=-135 (LC 13), 12=-43 (LC 12)
	Max Grav	2=248 (LC 1), 8=131 (LC 1), 10=289 (LC 26), 11=351 (LC 1), 12=307 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-0/16, 2-3=-159/92, 3-4=-144/102, 4-5=-77/41, 5-6=-77/41, 6-7=-77/41, 7-8=-79/26, 8-9=0/16
BOT CHORD	2-12=-51/96, 11-12=-40/88, 10-11=-40/88, 8-10=-3/61
WEBS	3-12=-172/41, 5-11=-288/189, 6-10=-209/126, 7-10=-45/38

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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

- 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.
- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 2, 29 lb uplift at joint 8, 43 lb uplift at joint 12, 135 lb uplift at joint 11, 94 lb uplift at joint 10, 74 lb uplift at joint 2 and 29 lb uplift at joint 8.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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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:

February 12,2026

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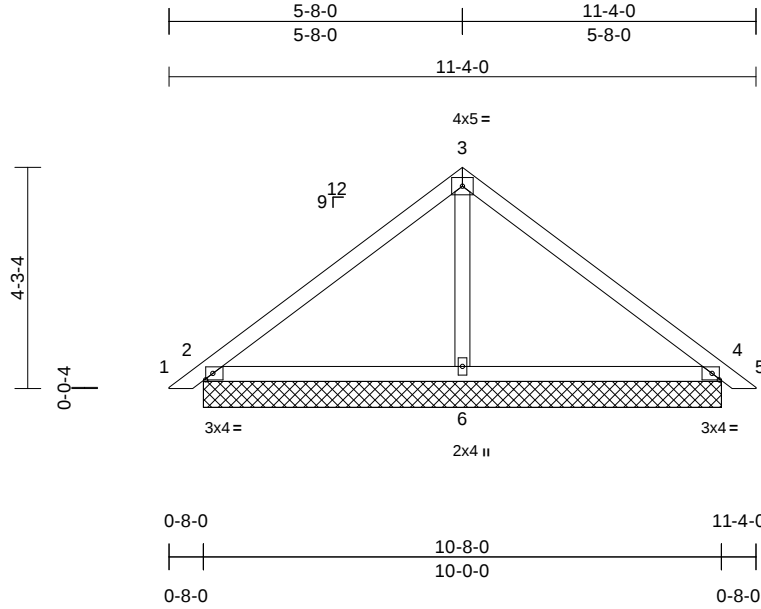
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job 5240835	Truss PB12	Truss Type Piggyback	Qty 4	Ply 1	Job Reference (optional) T40110581
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:13
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Page: 1



Scale = 1:44.5

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	2	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 41 lb FT = 20%											

LUMBER

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

BRACING

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

REACTIONS	(size)	2=10-0-0, 4=10-0-0, 6=10-0-0
	Max Horiz	2=-101 (LC 10)
	Max Uplift	2=-82 (LC 12), 4=-96 (LC 13), 6=-33 (LC 12)
	Max Grav	2=271 (LC 1), 4=271 (LC 1), 6=311 (LC 1)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/16, 2-3=-212/158, 3-4=-211/158, 4-5=0/16
BOT CHORD	2-6=-55/121, 4-6=-50/121
WEBS	3-6=-135/31

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.

- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 2, 96 lb uplift at joint 4, 33 lb uplift at joint 6, 82 lb uplift at joint 2 and 96 lb uplift at joint 4.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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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:

February 12,2026

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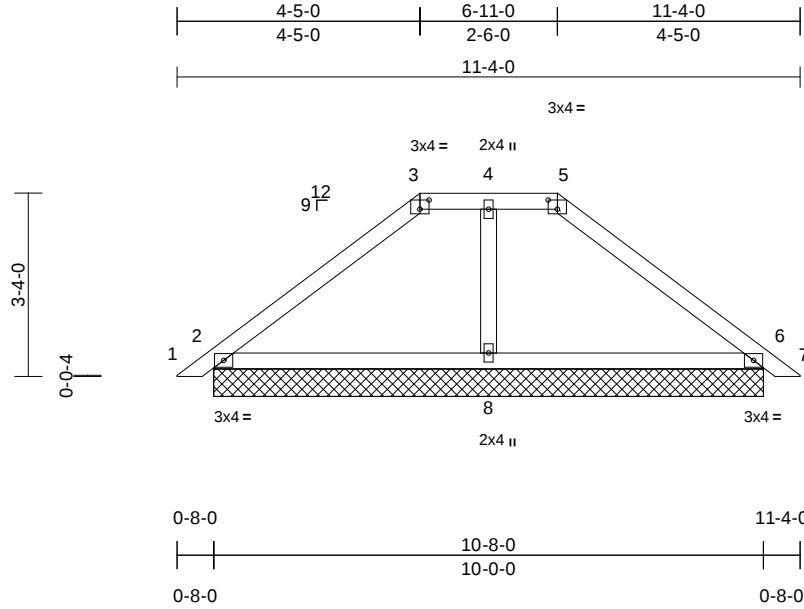
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5240835	PB13	Piggyback	1	1	T40110582

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:13
ID:7oYXkyWrSu4EBysnST8DCYzmUSV-RfC?PsB70Hq3NSgPqnL8w3uTXbGKWrCDoi7J4zJC?i

Page: 1



Scale = 1:41.9

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	13	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 39 lb FT = 20%

LUMBER

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

BRACING

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

REACTIONS

(size)	2=10-0-0, 6=10-0-0, 8=10-0-0
Max Horiz	2=79 (LC 11)
Max Uplift	2=-100 (LC 12), 6=-104 (LC 13), 8=-21 (LC 9)
Max Grav	2=321 (LC 1), 6=321 (LC 1), 8=233 (LC 3)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/16, 2-3=-293/208, 3-4=-198/225, 4-5=-198/225, 5-6=-293/209, 6-7=0/16
BOT CHORD	2-8=-62/198, 6-8=-62/198
WEBS	4-8=-74/49

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.
- 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.

- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4'-0" oc.
- 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'-06"-00 tall by 2'-00"-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 2, 104 lb uplift at joint 6, 21 lb uplift at joint 8, 100 lb uplift at joint 2 and 104 lb uplift at joint 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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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:

February 12,2026

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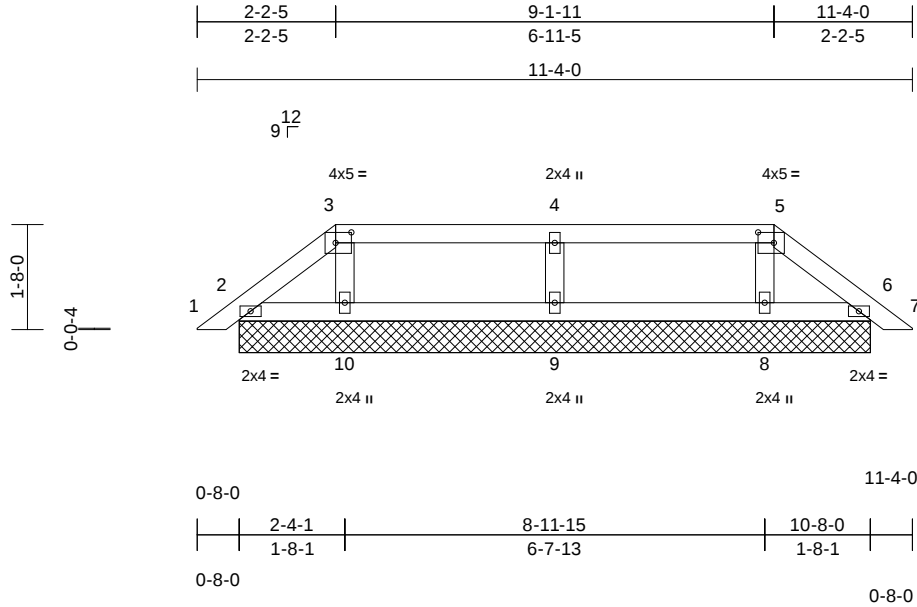
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job 5240835	Truss PB14	Truss Type Piggyback	Qty 1	Ply 1	Job Reference (optional)	T40110583
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:13
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Page: 1



Scale = 1:36.5

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	6	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
										Weight: 38 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS	(size)	2=10'-0"-0, 6=10'-0"-0, 8=10'-0"-0, 9=10'-0"-0, 10=10'-0"-0
	Max Horiz	2=-37 (LC 10)
	Max Uplift	2=-30 (LC 12), 6=-37 (LC 13), 8=-36 (LC 8), 9=-101 (LC 8), 10=-45 (LC 9)
	Max Grav	2=88 (LC 1), 6=88 (LC 1), 8=183 (LC 26), 9=313 (LC 25), 10=183 (LC 25)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/16, 2-3=-36/38, 3-4=-24/49, 4-5=-24/49, 5-6=-34/38, 6-7=0/16
BOT CHORD	2-10=-13/33, 9-10=-11/35, 8-9=-11/35, 6-8=-10/32
WEBS	4-9=-242/173, 3-10=-125/80, 5-8=-125/81

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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

- 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.
- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4'-0" oc.
- 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'-06"-00 tall by 2'-00"-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 2, 37 lb uplift at joint 6, 101 lb uplift at joint 9, 45 lb uplift at joint 10, 36 lb uplift at joint 8, 30 lb uplift at joint 2 and 37 lb uplift at joint 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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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:

February 12,2026

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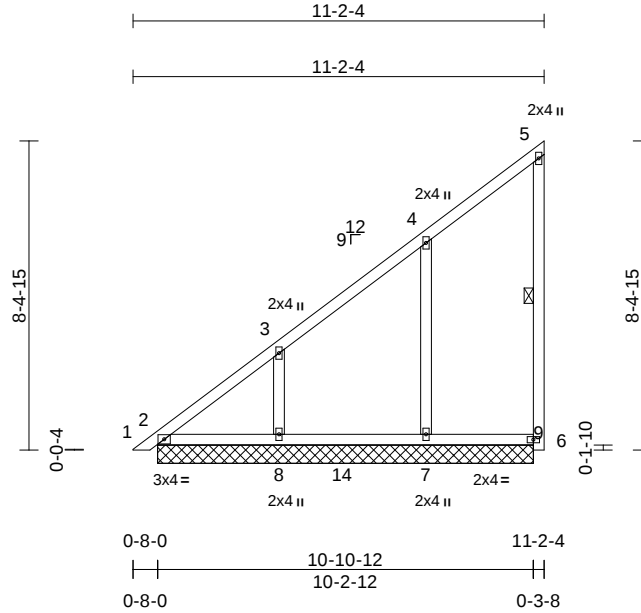
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	PB15	Piggyback	1	1	T40110584
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:13
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Page: 1



Scale = 1:62.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	9	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 59 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10'-0" oc bracing.
WEBS	1 Row at midpt 5-9

REACTIONS

(size)	2=10-2-12, 6=10-2-12, 7=10-2-12, 8=10-2-12, 9=10-2-12
Max Horiz	2=311 (LC 12)
Max Uplift	6=-55 (LC 12), 7=-174 (LC 12), 8=-195 (LC 12)
Max Grav	2=200 (LC 21), 6=137 (LC 19), 7=444 (LC 19), 8=424 (LC 19)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/16, 2-3=-439/220, 3-4=-256/134, 4-5=-81/35, 6-9=0/0, 5-6=-76/84
BOT CHORD	2-8=-85/52, 7-8=-2/2, 6-7=-2/2
WEBS	3-8=-262/284, 4-7=-257/285

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.

- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4'-0" oc.
- 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'-0" x 6'-0" tall by 2'-0" x 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 55 lb uplift at joint 6, 195 lb uplift at joint 8 and 174 lb uplift at joint 7.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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

February 12,2026

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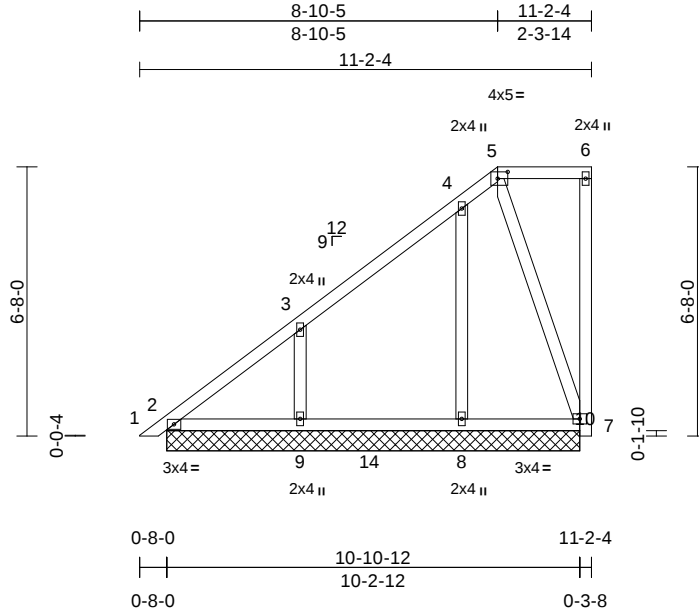
Job	Truss	Truss Type	Qty	Ply	
5240835	PB16	Piggyback	1	1	T40110585
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:14

Page: 1

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Scale = 1:57

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	10	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 65 lb FT = 20%

LUMBER

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

BRACING

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

REACTIONS	(size)	2=10-2-12, 7=10-2-12, 8=10-2-12, 9=10-2-12, 10=10-2-12
	Max Horiz	2=250 (LC 12)
	Max Uplift	2=-1 (LC 8), 7=-61 (LC 8), 8=-144 (LC 12), 9=-199 (LC 12)
	Max Grav	2=182 (LC 21), 7=137 (LC 26), 8=381 (LC 19), 9=433 (LC 19)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/16, 2-3=-330/166, 3-4=-142/84, 4-5=-66/27, 5-6=-2/1, 7-10=0/0, 6-7=-63/43
BOT CHORD	2-9=-72/48, 8-9=-13/19, 7-8=-13/19
WEBS	3-9=-268/291, 4-8=-220/238, 5-7=-53/38

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.

- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 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 1 lb uplift at joint 2, 61 lb uplift at joint 7, 199 lb uplift at joint 9, 144 lb uplift at joint 8 and 1 lb uplift at joint 2.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

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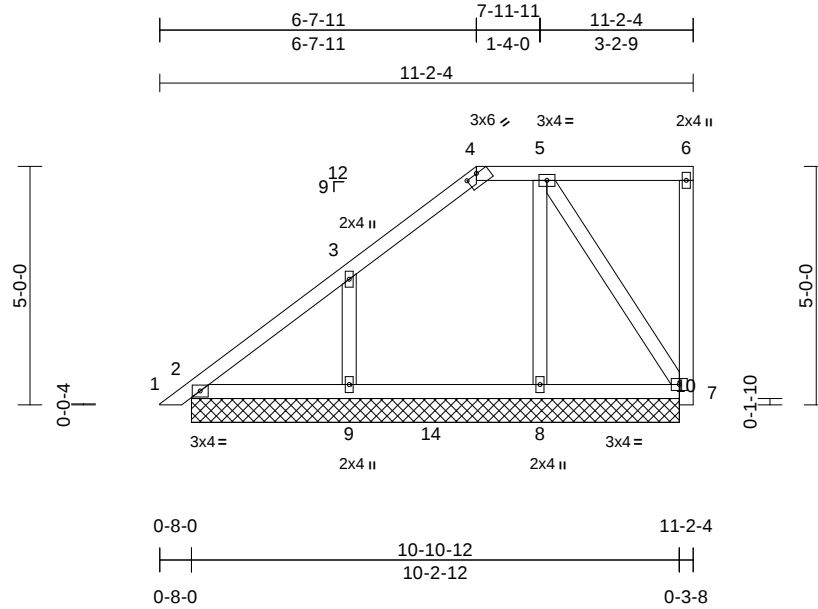
Job	Truss	Truss Type	Qty	Ply	
5240835	PB17	Piggyback	1	1	T40110586
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:14

Page: 1

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Scale = 1:48.3

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	10	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 59 lb FT = 20%											

LUMBER

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

BRACING

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

REACTIONS	(size)	2=10'-2-12, 7=10'-2-12, 8=10'-2-12, 9=10'-2-12, 10=10'-2-12
	Max Horiz	2=185 (LC 12)
	Max Uplift	7=-98 (LC 12), 8=-70 (LC 8), 9=-172 (LC 12)
	Max Grav	2=186 (LC 1), 7=203 (LC 1), 8=270 (LC 28), 9=403 (LC 19)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/16, 2-3=-139/36, 3-4=-152/69, 4-5=-72/91, 5-6=-4/2, 7-10=0/0, 6-7=-80/54
BOT CHORD	2-9=-91/72, 8-9=-91/72, 7-8=-91/72
WEBS	3-9=-236/252, 5-8=-133/93, 5-7=-124/160

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.

- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4'-0" oc.
- 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'-0" tall by 2'-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 98 lb uplift at joint 7, 172 lb uplift at joint 9 and 70 lb uplift at joint 8.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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

February 12,2026

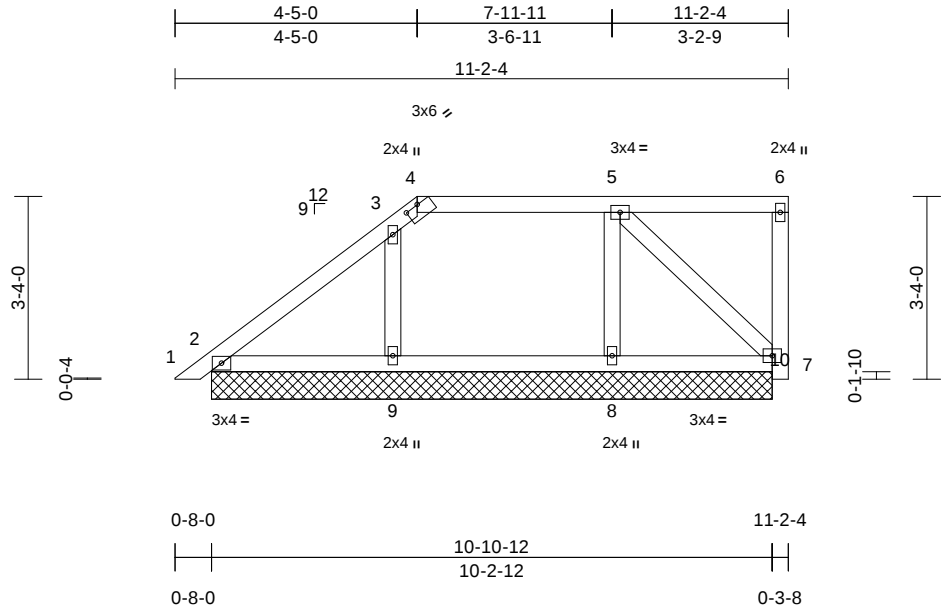
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	
5240835	PB18	Piggyback	1	1	T40110587
Job Reference (optional)					



Scale = 1:42									
Plate Offsets (X, Y): [4:0-3-0-0-0-1]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	n/a	-	n/a
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	10	n/a
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS					
							PLATES	GRIP	
							MT20	244/190	
							Weight: 51 lb	FT = 20%	

LUMBER		
TOP CHORD	2x4 SP No.2	
BOT CHORD	2x4 SP No.2	
WEBS	2x4 SP No.3	
OTHERS	2x4 SP No.3	
BRACING		
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.	
REACTIONS	(size)	2=10-2-12, 7=10-2-12, 8=10-2-12, 9=10-2-12, 10=10-2-12
	Max Horiz	2=121 (LC 12)
	Max Uplift	2=-12 (LC 8), 7=-68 (LC 8), 8=-64 (LC 9), 9=-125 (LC 12)
	Max Grav	2=170 (LC 1), 7=152 (LC 26), 8=266 (LC 1), 9=284 (LC 1)
FORCES		
	(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/16, 2-3=-117/81, 3-4=-114/71, 4-5=-66/44, 5-6=-6/3, 7-10=0/0, 6-7=-71/53	
BOT CHORD	2-9=-59/66, 8-9=-44/66, 7-8=-44/66	
WEBS	3-9=-188/198, 5-8=-193/138, 5-7=-83/59	

- 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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
 - 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.

- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 2, 68 lb uplift at joint 7, 125 lb uplift at joint 9, 64 lb uplift at joint 8 and 12 lb uplift at joint 2.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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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:

February 12,2026

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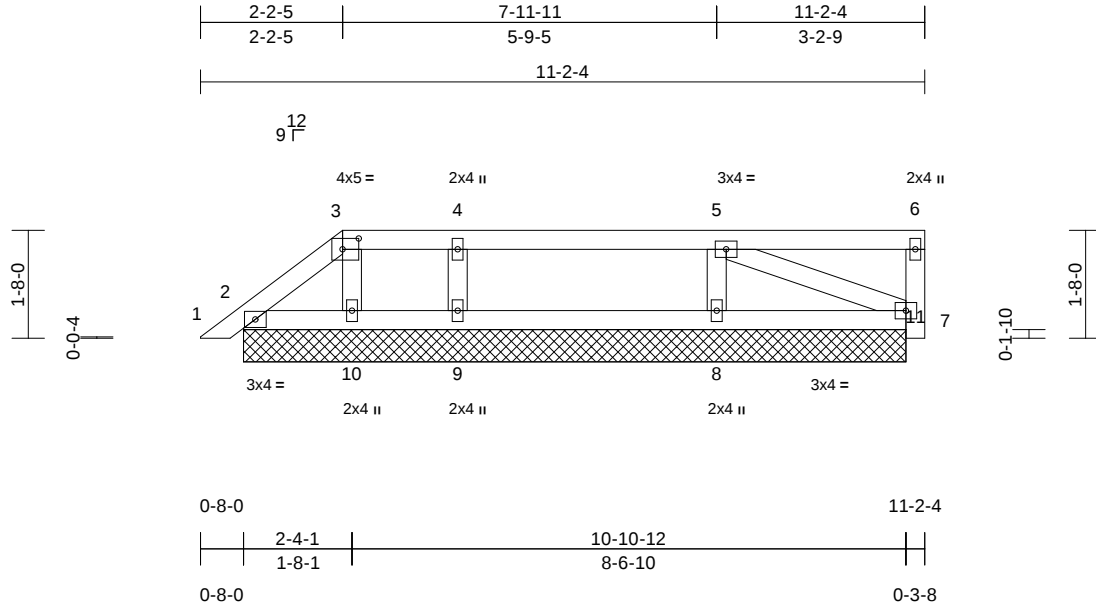
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	PB19	Piggyback	1	1	T40110588
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:14
ID:EDjkb8sLP?914V9CkQfKUxmUTM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:35.6

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	11	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 43 lb FT = 20%											

LUMBER

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

BRACING

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

REACTIONS	(size)	2=10-2-12, 7=10-2-12, 8=10-2-12, 9=10-2-12, 10=10-2-12, 11=10-2-12
	Max Horiz	2=56 (LC 12)
	Max Uplift	2=-16 (LC 12), 7=-29 (LC 9), 8=-96 (LC 8), 9=-85 (LC 8), 10=-37 (LC 12)
	Max Grav	2=103 (LC 1), 7=93 (LC 1), 8=317 (LC 26), 9=273 (LC 26), 10=75 (LC 19)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/16, 2-3=-35/12, 3-4=-10/10, 4-5=-10/10, 5-6=-15/7, 7-11=0/0, 6-7=-71/52
BOT CHORD	2-10=-21/20, 9-10=-10/10, 8-9=-10/10, 7-8=-10/10
WEBS	4-9=-205/148, 5-8=-239/172, 5-7=-1/7, 3-10=-45/47

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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

- 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.
- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 2, 29 lb uplift at joint 7, 85 lb uplift at joint 9, 96 lb uplift at joint 8, 37 lb uplift at joint 10 and 16 lb uplift at joint 2.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S)

Standard

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

February 12,2026

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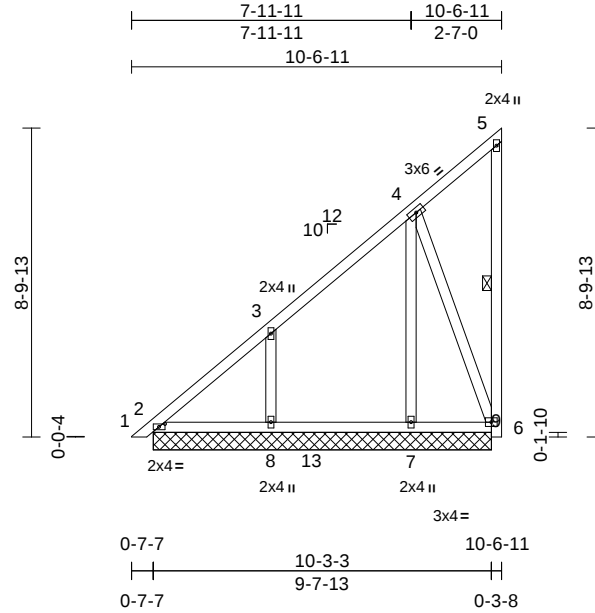
16023 Swingle Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	PB20	Piggyback	1	1	T40110589
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:15
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Page: 1



Scale = 1:65.8

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	6	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 70 lb FT = 20%											

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-9

REACTIONS	(size)	2=9-7-13, 6=9-7-13, 7=9-7-13, 8=9-7-13, 9=9-7-13
	Max Horiz	2=326 (LC 12)
	Max Uplift	6=-172 (LC 12), 7=-5 (LC 12), 8=-220 (LC 12)
	Max Grav	2=213 (LC 21), 6=186 (LC 19), 7=252 (LC 19), 8=446 (LC 19)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/15, 2-3=-393/182, 3-4=-170/78, 4-5=-70/27, 6-9=0/0, 5-6=-52/63
BOT CHORD	2-8=-124/73, 7-8=-74/47, 6-7=-74/47
WEBS	3-8=-271/326, 4-7=-103/51, 4-6=-127/201

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.

- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 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 172 lb uplift at joint 6, 220 lb uplift at joint 8 and 5 lb uplift at joint 7.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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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:

February 12,2026

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MiTek®

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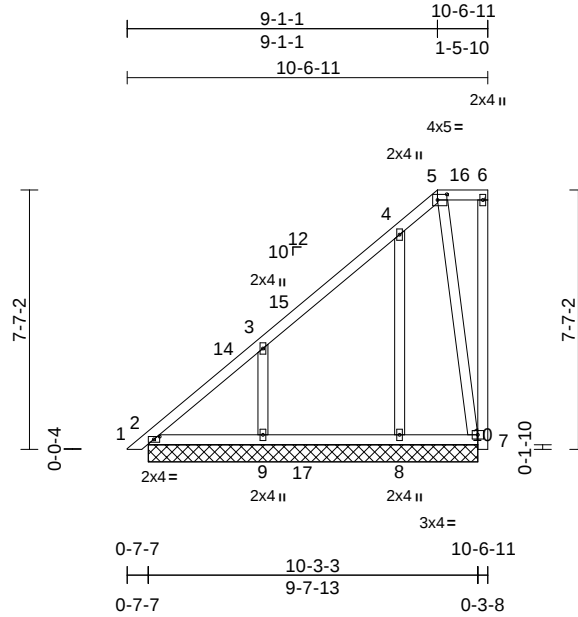
Job 5240835	Truss PB21	Truss Type Piggyback	Qty 1	Ply 1	Job Reference (optional) T40110590
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:15

Page: 1

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Scale = 1:67.5

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	2	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 68 lb FT = 20%

LUMBER

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

BRACING

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

REACTIONS	(size)	2=9-7-13, 7=9-7-13, 8=9-7-13, 9=9-7-13, 10=9-7-13
	Max Horiz	2=285 (LC 12)
	Max Uplift	7=-36 (LC 8), 8=-160 (LC 12), 9=-224 (LC 12)
	Max Grav	2=198 (LC 21), 7=86 (LC 26), 8=379 (LC 19), 9=451 (LC 19)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/15, 2-3=-300/157, 3-4=-141/95, 4-5=-61/10, 5-6=0/0, 7-10=0/0, 6-7=-39/22
BOT CHORD	2-9=-65/42, 8-9=-4/6, 7-8=-4/6
WEBS	3-9=-275/229, 4-8=-224/191, 5-7=-31/22

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-2-14 to 3-2-14, Zone1 3-2-14 to 9-1-6, Zone3 9-1-6 to 10-5-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.

- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 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 36 lb uplift at joint 7, 224 lb uplift at joint 9 and 160 lb uplift at joint 8.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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

February 12,2026

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MiTek®

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Chesterfield, MO 63017
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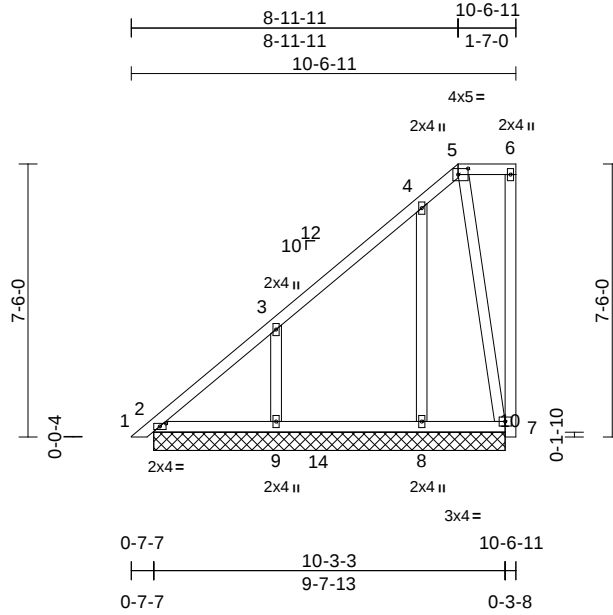
Job	Truss	Truss Type	Qty	Ply	
5240835	PB22	Piggyback	1	1	T40110591
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:15

Page: 1

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Scale = 1:63.3

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	2	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 68 lb FT = 20%

LUMBER

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

BRACING

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

REACTIONS	(size)	2=9-7-13, 7=9-7-13, 8=9-7-13, 9=9-7-13, 10=9-7-13
	Max Horiz	2=282 (LC 12)
	Max Uplift	7=-41 (LC 8), 8=-160 (LC 12), 9=-224 (LC 12)
	Max Grav	2=198 (LC 21), 7=90 (LC 26), 8=380 (LC 19), 9=451 (LC 19)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/15, 2-3=-408/205, 3-4=-181/98, 4-5=-61/21, 5-6=0/0, 7-10=0/0, 6-7=-42/27
BOT CHORD	2-9=-89/53, 8-9=-5/7, 7-8=-5/7
WEBS	3-9=-275/332, 4-8=-224/271, 5-7=-33/24

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.

- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 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 41 lb uplift at joint 7, 224 lb uplift at joint 9 and 160 lb uplift at joint 8.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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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:

February 12,2026

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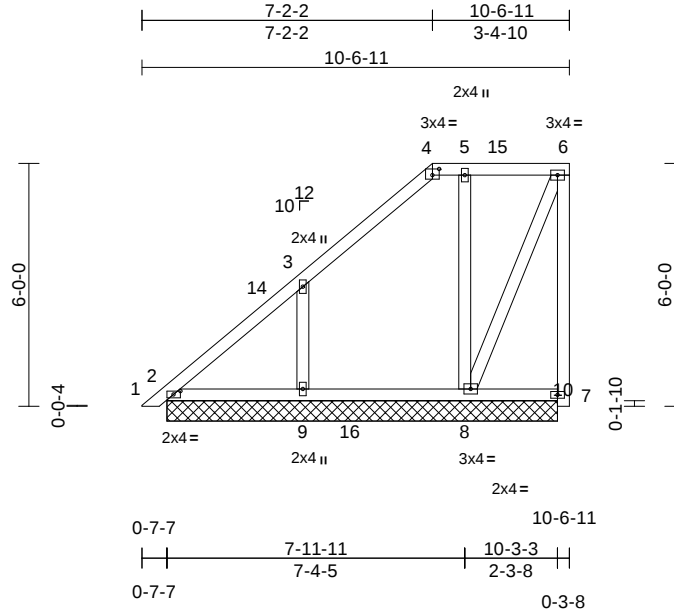
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	PB23	Piggyback	1	1	T40110592
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:15
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Page: 1



Scale = 1:56.9

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	7	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 62 lb FT = 20%

LUMBER

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

BRACING

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

REACTIONS	(size)	2=9-7-13, 7=9-7-13, 8=9-7-13, 9=9-7-13, 10=9-7-13
	Max Horiz	2=224 (LC 12)
	Max Uplift	7=-117 (LC 12), 8=-69 (LC 8), 9=-212 (LC 12)
	Max Grav	2=167 (LC 21), 7=146 (LC 1), 8=271 (LC 28), 9=439 (LC 19)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/15, 2-3=-154/76, 3-4=-122/18, 4-5=-47/51, 5-6=-47/51, 7-10=0/0, 6-7=-128/125
BOT CHORD	2-9=-71/50, 8-9=-51/47, 7-8=-1/2
WEBS	3-9=-264/218, 5-8=-188/116, 6-8=-127/116

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-2-14 to 3-2-14, Zone1 3-2-14 to 7-2-6, Zone3 7-2-6 to 10-5-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.

- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4'-0" oc.
- 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'-0" tall by 2'-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 117 lb uplift at joint 7, 212 lb uplift at joint 9 and 69 lb uplift at joint 8.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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Date:

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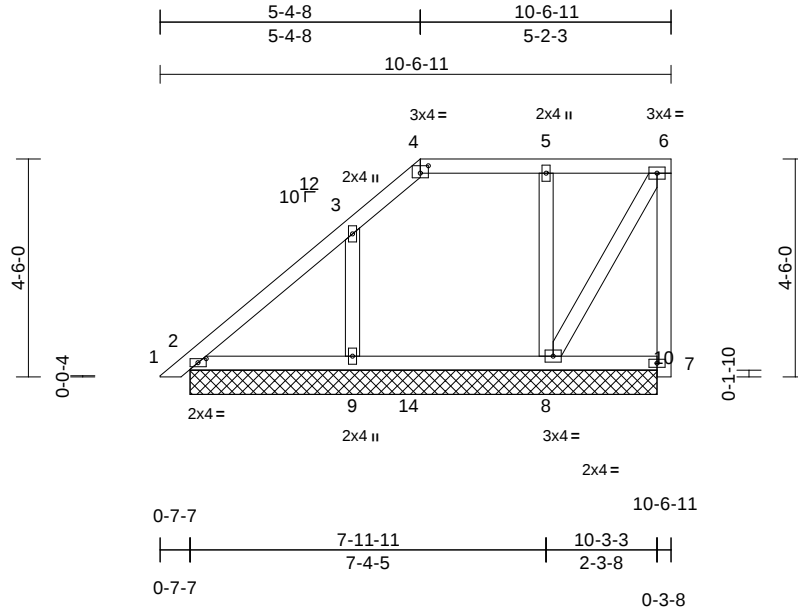
Job	Truss	Truss Type	Qty	Ply	
5240835	PB24	Piggyback	1	1	T40110593
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:16

Page: 1

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Scale = 1:47.6

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.12	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	7	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS						Weight: 55 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS	(size)	2=9-7-13, 7=9-7-13, 8=9-7-13, 9=9-7-13, 10=9-7-13
	Max Horiz	2=166 (LC 12)
	Max Uplift	2=-5 (LC 8), 7=-81 (LC 9), 8=-34 (LC 8), 9=-166 (LC 12)
	Max Grav	2=184 (LC 1), 7=171 (LC 1), 8=243 (LC 28), 9=392 (LC 19)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/15, 2-3=-145/70, 3-4=-138/74, 4-5=-61/61, 5-6=-61/61, 7-10=0/0, 6-7=-152/140
BOT CHORD	2-9=-87/61, 8-9=-61/61, 7-8=-2/2
WEBS	3-9=-213/251, 5-8=-192/144, 6-8=-115/115

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.

- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 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 5 lb uplift at joint 2, 81 lb uplift at joint 7, 166 lb uplift at joint 9, 34 lb uplift at joint 8 and 5 lb uplift at joint 2.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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

February 12,2026

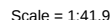
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 47 lb	FT = 20%

- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Provide adequate drainage to prevent water ponding.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 4'-0" oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-0" tall by 2'-0" wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 2, 56 lb uplift at joint 7, 96 lb uplift at joint 9, 141 lb uplift at joint 8 and 38 lb uplift at joint 2.
- 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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

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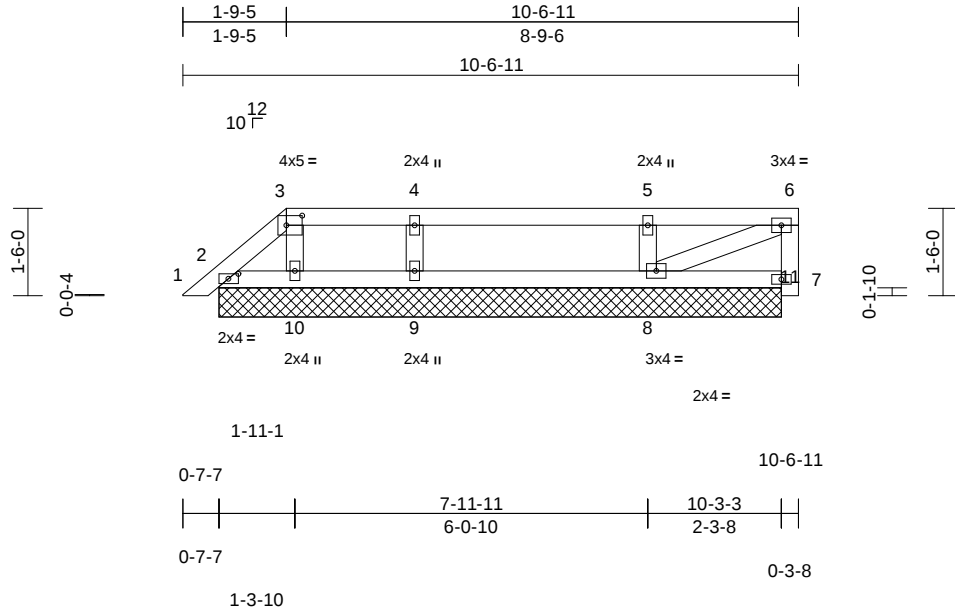
Job	Truss	Truss Type	Qty	Ply	
5240835	PB26	Piggyback	1	1	T40110595
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:16

Page: 1

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 40 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

OTHERS 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS (size)

2=9-7-13, 7=9-7-13, 8=9-7-13, 9=9-7-13, 10=9-7-13, 11=9-7-13

Max Horiz 2=50 (LC 12)

Max Uplift 2=-12 (LC 12), 7=-19 (LC 9), 8=-90 (LC 8), 9=-88 (LC 8), 10=-32 (LC 12)

Max Grav 2=82 (LC 1), 7=60 (LC 1), 8=296 (LC 26), 9=286 (LC 26), 10=85 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/15, 2-3=-25/11, 3-4=-3/4, 4-5=-3/4, 5-6=-3/4, 7-11=0/0, 6-7=-45/35

BOT CHORD 2-10=-16/14, 9-10=-4/3, 8-9=-4/3, 7-8=-3/6

WEBS 4-9=-215/162, 5-8=-220/167, 6-8=-5/2, 3-10=-58/58

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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

- 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.
- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4'-0" oc.
- 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'-06"-00 tall by 2'-00"-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 2, 19 lb uplift at joint 7, 88 lb uplift at joint 9, 90 lb uplift at joint 8, 32 lb uplift at joint 10 and 12 lb uplift at joint 2.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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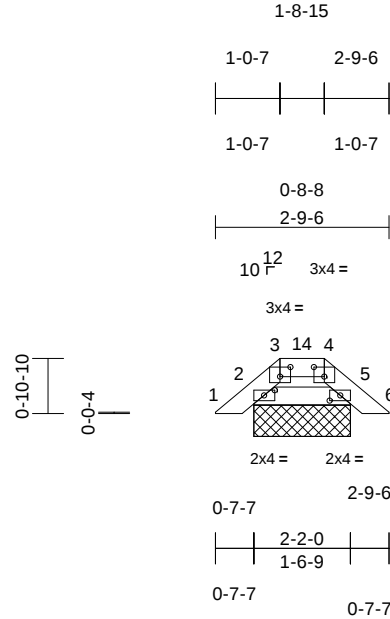
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	PB27	Piggyback	1	2	T40110596
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:17
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Page: 1



Scale = 1:36.9

Plate Offsets (X, Y): [2:0-2-1,0-1-0], [3:0-2-0,0-1-13], [4:0-2-0,0-1-13], [5:0-2-1,0-1-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.01	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	11	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MR							Weight: 15 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 2-10-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=1-6-9, 5=1-6-9
Max Horiz 2=-18 (LC 10)
Max Uplift 2=-25 (LC 12), 5=-24 (LC 13)
Max Grav 2=87 (LC 1), 5=92 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/15, 2-3=-40/34, 3-4=-33/27,
4-5=-40/31, 5-6=0/15

BOT CHORD 2-5=-5/36

NOTES

- 2-ply truss to be connected together as follows:
Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected with 10d (0.131"x3") nails 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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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

- 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.
- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 2, 24 lb uplift at joint 5, 25 lb uplift at joint 2 and 24 lb uplift at joint 5.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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:

February 12,2026

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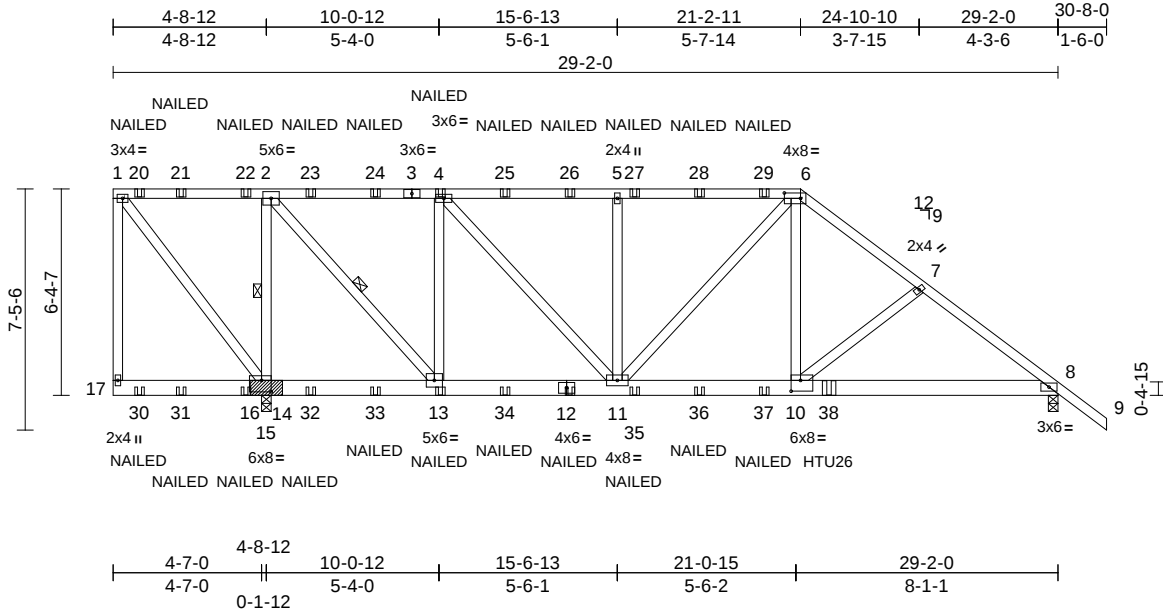
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	T01	Roof Special Girder	1	1	T40110597
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:17
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Page: 1



Scale = 1:71.1

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	0.14	10-19	>999	240	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.19	10-19	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.04	8	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 213 lb FT = 20%											

LUMBER

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

BRACING

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

WEBS 1 Row at midpt 2-15, 2-13

REACTIONS	(size)	8=0-3-8, 15=(0-3-8 + bearing block), (req. 0-3-14)
	Max Horiz	15=-269 (LC 9)
	Max Uplift	8=-954 (LC 9), 15=-1720 (LC 4)
	Max Grav	8=1964 (LC 16), 15=3310 (LC 17)

FORCES

TOP CHORD	(lb) - Maximum Compression/Maximum Tension
	1-17=-103/253, 1-2=-154/300, 2-4=-1320/703, 4-5=-2131/1148, 5-6=-2131/1148, 6-7=-2628/1393, 7-8=-2787/1419, 8-9=0/54
BOT CHORD	15-17=-5/9, 13-15=-364/415, 11-13=-664/1450, 10-11=-1008/2119, 8-10=-1045/2183
WEBS	1-15=-509/262, 2-15=-2209/1238, 2-13=-1288/2438, 4-13=-1238/737, 4-11=-663/1214, 5-11=-440/300, 6-11=-82/175, 6-10=-735/1249, 7-10=-244/182

NOTES

- 2x6 SP No.2 bearing block 12" long at jt. 15 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SP No.2.
- 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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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.
 - 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1720 lb uplift at joint 15 and 954 lb uplift at joint 8.
 - Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss) or equivalent at 22-1-4 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.
 - "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 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
- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-6=-60, 6-9=-60, 8-17=-20
Concentrated Loads (lb)
Vert: 12=-163 (F), 13=-163 (F), 4=-24 (F), 16=-163 (F), 20=-34 (F), 21=-24 (F), 22=-24 (F), 23=-24 (F), 24=-24 (F), 25=-24 (F), 26=-24 (F), 27=-24 (F), 28=-24 (F), 29=-24 (F), 30=-167 (F), 31=-163 (F), 32=-163 (F), 33=-163 (F), 34=-163 (F), 35=-163 (F), 36=-163 (F), 37=-163 (F), 38=-622 (F)

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
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Date:

February 12,2026

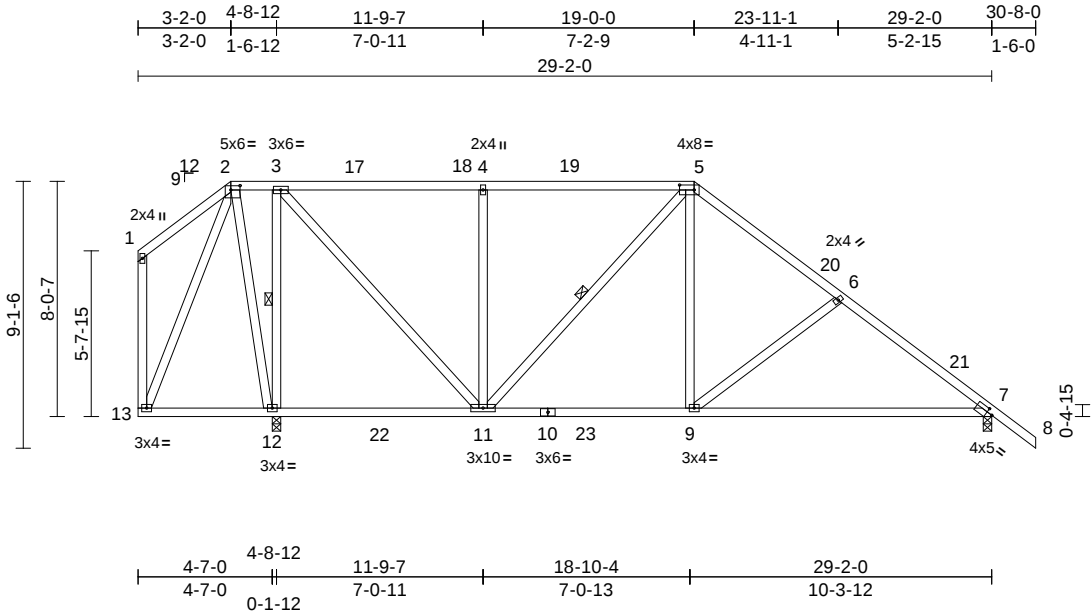
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	
5240835	T02	Hip	1	1	T40110598
Job Reference (optional)					



Scale = 1:78.7

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.24	9-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.49	9-16	>608	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 198 lb	FT = 20%

LUMBER		
TOP CHORD	2x4 SP No.2	
BOT CHORD	2x4 SP No.2	
WEBS	2x4 SP No.3	
BRACING		
TOP CHORD	Structural wood sheathing directly applied or 4-3-8 oc purlins, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.	
WEBS	1 Row at midpt	3-12, 5-11
REACTIONS	(size)	7=0-3-8, 12=0-3-8
	Max Horiz	12=-283 (LC 13)
	Max Uplift	7=-286 (LC 13), 12=-306 (LC 12)
	Max Grav	7=1130 (LC 28), 12=1531 (LC 2)
FORCES		
	(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=-56/77, 2-3=-5/93, 3-4=-718/241, 4-5=-718/241, 5-6=-1152/315, 6-7=-1355/352, 7-8=0/54, 1-13=-96/78	
BOT CHORD	12-13=-51/25, 11-12=-161/294, 9-11=-81/861, 7-9=-158/1065	
WEBS	5-9=-86/583, 6-9=-356/227, 2-13=-75/146, 3-12=-1093/386, 2-12=-214/52, 3-11=-301/1103, 4-11=-480/244, 5-11=-307/104	

- 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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 7-1-12 to 10-2-0, Zone2 10-2-0 to 14-4-15, Zone1 14-4-15 to 26-0-0, Zone2 26-0-0 to 30-2-15, Zone1 30-2-15 to 37-8-0 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 3-06-00 tall by 2-00-00 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 306 lb uplift at joint 12 and 286 lb uplift at joint 7.
- LOAD CASE(S)** Standard

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Philip J. O'Regan PE No.58126
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Date:

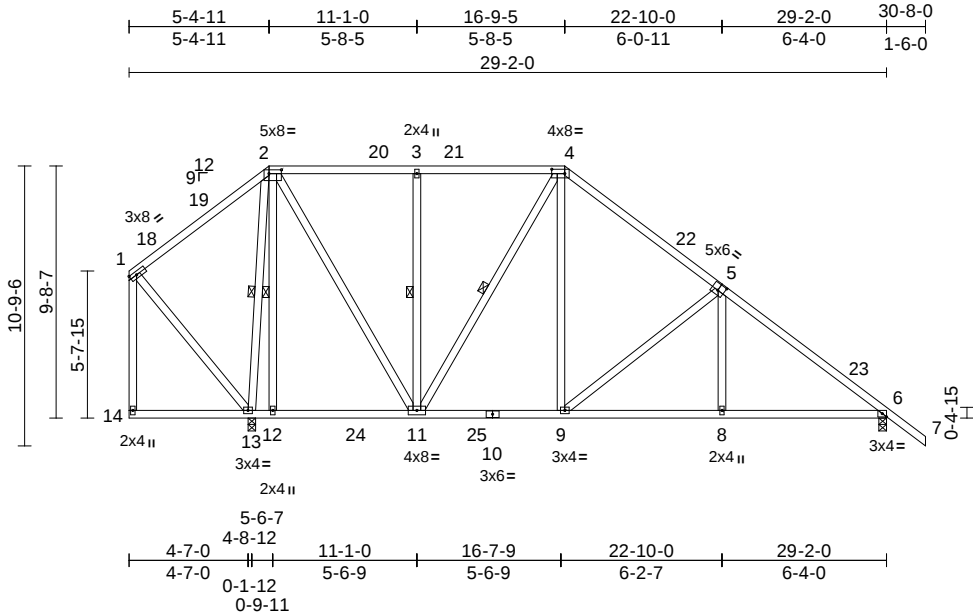
February 12,2026

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MiTek®
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314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	T03	Hip	1	1	T40110599
Job Reference (optional)					



Scale = 1:88.7

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.06	8-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.11	8-17	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 218 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

WEBS 1 Row at midpt 2-12, 4-11, 2-13, 3-11

REACTIONS (size) 6=0-3-8, 13=0-3-8

Max Horiz 13=310 (LC 13)

Max Uplift 6=274 (LC 13), 13=298 (LC 12)

Max Grav 6=1125 (LC 20), 13=1533 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/206, 2-3=531/217, 3-4=531/217, 4-6=1409/312, 6-7=0/54, 1-14=0/68

BOT CHORD 13-14=9/14, 12-13=178/318, 11-12=178/319, 9-11=63/694, 8-9=111/1060, 6-8=111/1064

WEBS 2-12=-66/92, 4-11=-415/152, 4-9=-131/592, 5-9=-582/274, 5-8=0/269, 1-13=-189/101, 2-13=-1192/243, 3-11=-387/202, 2-11=-268/979

NOTES

1) Unbalanced roof live loads have been considered for this design.

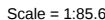
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior (1) zone and C-C Zone3 7-1-12 to 10-1-12, Zone1 10-1-12 to 12-4-11, Zone2 12-4-11 to 16-7-9, Zone1 16-7-9 to 23-9-5, Zone2 23-9-5 to 28-0-4, Zone1 28-0-4 to 37-8-0 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 3-06-00 tall by 2-00-00 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 298 lb uplift at joint 13 and 274 lb uplift at joint 6.
- LOAD CASE(S)** Standard

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Philip J. O'Regan PE No.58126
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Page: 1

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Page: 1

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

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 6-10:2x4 SP No.3
WEBS 2x4 SP No.3 *Except* 17-1:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied over
3-4-3 oc purlins, except end verticals, and
2-0-0 oc purlins (5-3-12 max.): 2-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc
bracing, Except:
6-0-0 oc bracing: 9-10.

WEBS 1 Row at midpt 2-15, 4-14, 3-14

REACTIONS (size) 8=0-3,8, 17=0-3-8
Max Horiz 17=-273 (LC 13)
Max Uplift 8=-279 (LC 13), 17=-252 (LC 12)
Max Grav 8=1289 (LC 2), 17=1298 (LC 2)

FORCES (lb) - Maximum Compression/Maximum
Tension

TOP CHORD 1-2=-956/208, 2-3=-1089/297,
3-4=-1089/297, 4-5=-1490/379,
5-6=-2781/681, 6-7=-2690/555,
7-8=-1903/412, 16-17=-1298/252,
1-16=-1218/259

BOT CHORD 15-16=-200/320, 14-15=-183/766,
12-14=-121/1145, 11-12=-161/1443,
10-11=-3/66, 6-11=-227/168, 9-10=-41/64,
8-9=-288/1486

WEBS 2-15=-373/174, 4-14=-217/97,
4-12=-167/789, 5-12=-577/276,
5-11=-324/1255, 1-15=-181/882,
3-14=-393/203, 2-14=-234/725,
7-9=-797/155, 7-11=-78/699, 9-11=-281/165

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=18ft; Cat.
II; Exp B; Enclosed; MWFRS (envelope) exterior (2)
zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to
5-4-11, Zone2 5-4-11 to 9-7-9, Zone1 9-7-9 to 16-9-5,
Zone2 16-9-5 to 20-10-11, Zone1 20-10-11 to 29-2-0
zone; C-C for members and forces & MWFRS for
reactions shown; Lumber DOL=1.60 plate grip
DOL=1.60
- 3) Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 6) * 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
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members, with BCDL = 10.0psf.
- 7) Bearing at joint(s) 17 considers parallel to grain value
using ANS/ITPI 1 angle to grain formula. Building
designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 279 lb uplift at joint
8 and 252 lb uplift at joint 17.
- 9) Graphical purlin representation does not depict the size
or the orientation of the purlin along the top and/or
bottom chord.

LOAD CASE(S) Standard

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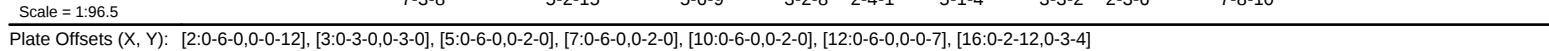


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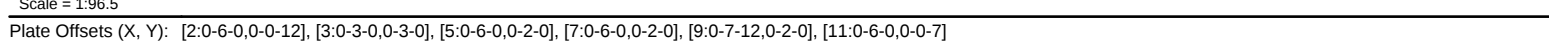
LUMBER			1) Unbalanced roof live loads have been considered for this design.
TOP CHORD	2x4 SP No.2		
BOT CHORD	2x4 SP No.2 *Except* 23-4:2x6 SP No.2, 9-15:2x4 SP No.3		2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 2-8-6, Zone1 2-8-6 to 12-4-11, Zone2 12-4-11 to 18-1-0, Zone1 18-1-0 to 23-9-5, Zone3 23-9-5 to 28-7-2, Zone1 28-7-2 to 34-5-2, Zone2 34-5-2 to 40-4-6, Zone1 40-4-6 to 43-6-0 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
WEBS	2x4 SP No.3		
BRACING			
TOP CHORD	Structural wood sheathing directly applied or 3-9-9 oc purlins.		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.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.		4) Provide adequate drainage to prevent water ponding.
WEBS	1 Row at midpt 5-21, 7-20, 8-18, 6-20		5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
REACTIONS	(size)	2=0-3-8, 12=0-3-8, 23=0-3-8	6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
	Max Horiz	2=-258 (LC 10)	
	Max Uplift	2=-127 (LC 8), 12=-390 (LC 13), 23=-399 (LC 9)	7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 127 lb uplift at joint 2, 390 lb uplift at joint 12 and 399 lb uplift at joint 23.
	Max Grav	2=253 (LC 25), 12=1546 (LC 2), 23=2092 (LC 2)	
FORCES		(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/54, 2-4=-132/443, 4-5=-984/301, 5-6=-1298/366, 6-7=-1298/366, 7-8=-1949/471, 8-9=-2154/553, 9-10=-2140/551, 10-11=-1962/503, 11-12=-2106/526, 12-13=0/54		
BOT CHORD	2-23=-219/108, 22-23=-1809/269, 4-22=-1717/282, 21-22=-335/159, 20-21=-165/751, 18-20=-200/1526, 17-18=-355/2520, 16-17=-354/2525, 15-16=-38/0, 9-16=-164/116, 14-15=-20/67, 12-14=-314/1659		
WEBS	4-21=-156/1296, 5-21=-620/133, 7-20=-442/134, 7-18=-273/1211, 8-18=-1413/440, 8-17=0/180, 8-16=-623/122, 14-16=-182/1599, 10-16=-252/1478, 10-14=-367/133, 3-23=-224/144, 11-14=-243/164, 6-20=-388/202, 5-20=-225/1076		
		LOAD CASE(S)	Standard

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

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/TP1 Quality Criteria and DS-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Components Association (www.sbcsccomponents.com)

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Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:19 Page: 1
ID:LiHOYJb?G8kZYyKZCorgH9zmHLB-RfC?PsB70Hq3NSgPqnL8w3uITXGKWrCDoi7J4zJC?f



LUMBER		1) Unbalanced roof live loads have been considered for this design.
TOP CHORD	2x4 SP No.2	2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 2-8-6, Zone1 2-8-6 to 12-4-11, Zone2 12-4-11 to 18-1-0, Zone1 18-1-0 to 23-9-5, Zone3 23-9-5 to 26-4-7, Zone1 26-4-7 to 32-1-12, Zone2 32-1-12 to 38-1-0, Zone1 38-1-0 to 43-6-0 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
BOT CHORD	2x4 SP No.2 *Except* 22-4-9-14:2x4 SP No.3	
WEBS	2x4 SP No.3	
BRACING		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.
TOP CHORD	Structural wood sheathing directly applied or 3-4-9 oc purlins.	4) Provide adequate drainage to prevent water ponding.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:	5) All plates are MT20 plates unless otherwise indicated.
	6-0-0 oc bracing: 2-22-20-21.	6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
WEBS	1 Row at midpt 5-20, 7-19, 8-17, 6-19	7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
REACTIONS		8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 175 lb uplift at joint 2, 400 lb uplift at joint 11 and 404 lb uplift at joint 22.
	(size) 2=0-3-8, 11=0-3-8, 22=0-3-8	
	Max Horiz 2=-258 (LC 10)	
	Max Uplift 2=-175 (LC 13), 11=-400 (LC 13), 22=-404 (LC 9)	
	Max Grav 2=349 (LC 25), 11=1597 (LC 2), 22=1921 (LC 2)	
FORCES		
	(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/54, 2-4=-205/275, 4-5=-1105/335, 5-6=-1389/396, 6-7=-1389/396, 7-8=-2006/532, 8-9=-2053/531, 9-10=-2189/543, 10-11=-2228/524, 11-12=0/54	
BOT CHORD	2-22=-97/91, 21-22=-1645/279, 4-21=-1555/293, 20-21=-105/76, 19-20=-176/824, 17-19=-231/1599, 16-17=-270/2056, 15-16=-172/1718, 14-15=0/91, 9-15=-109/610, 13-14=-16/69, 11-13=-299/1727	
WEBS	4-20=-162/1130, 5-20=-536/137, 7-19=-393/116, 7-17=-341/1299, 8-17=-1231/396, 8-16=-245/144, 9-16=-152/505, 10-15=-168/149, 3-22=-213/133, 10-13=-229/88, 13-15=-290/1704, 6-19=-394/203, 5-19=-215/1060	

Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
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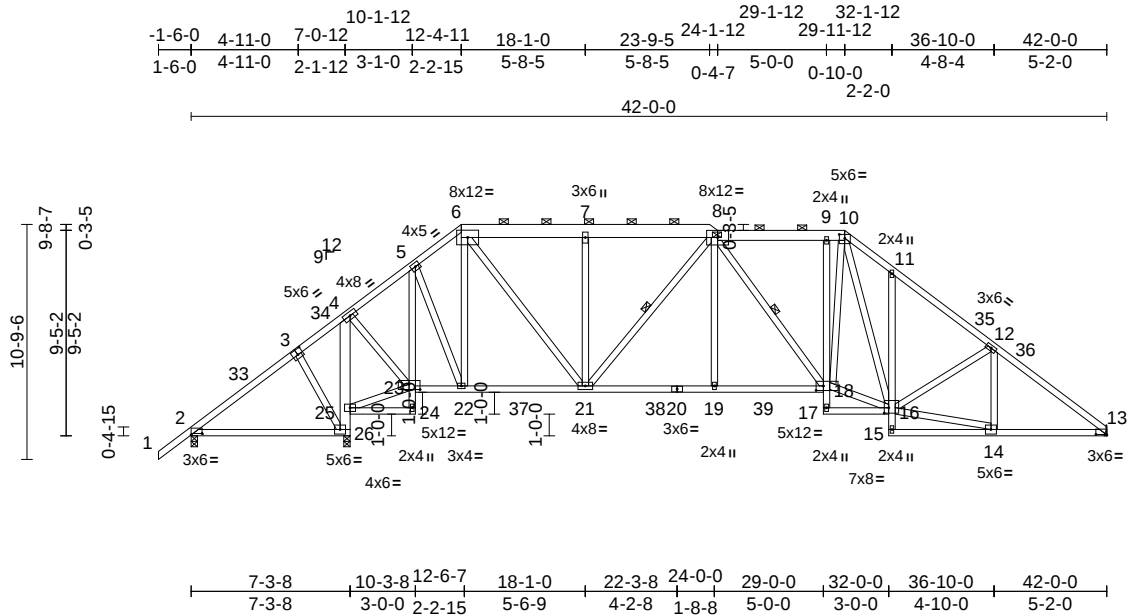
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	T08	Piggyback Base	1	1	T40110604
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:20
ID:e7wZeE9vn3kKr1UNeDj0cYzmGnb-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:105.7

Plate Offsets (X, Y): [2:0-6-0,0-0-12], [3:0-3-0,0-3-0], [10:0-3-0,0-2-2], [13:0-6-0,0-0-3], [16:0-2-8,0-3-0], [18:0-4-0,0-2-8], [23:0-6-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	0.08	26-32	>999	240	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.21	18-19	>999	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.09	13	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 345 lb FT = 20%											

LUMBER		
TOP CHORD	2x4 SP No.2 *Except* 6-8:2x8 SP 2400F	
	2.0E, 8-10:2x6 SP No.2	
BOT CHORD	2x4 SP No.2 *Except* 26-4:2x6 SP No.2,	
	24-5,9-17,11-15:2x4 SP No.3	
WEBS	2x4 SP No.3	
BRACING		
TOP CHORD	Structural wood sheathing directly applied or	
	3-9-8 oc purlins, except	
	2-0-0 oc purlins (5-5-4 max.): 6-10.	
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc	
	bracing.	
WEBS	1 Row at midpt 8-18, 8-21	
REACTIONS		
(size)	2=0-3-8, 13= Mechanical, 26=0-3-8	
Max Horiz	2=-239 (LC 10)	
Max Uplift	2=-145 (LC 8), 13=-409 (LC 13),	
	26=-447 (LC 9)	
Max Grav	2=308 (LC 25), 13=1497 (LC 2),	
	26=2056 (LC 19)	
FORCES		
(lb) - Maximum Compression/Maximum		
Tension		
TOP CHORD	1-2=0/54, 2-4=-145/366, 4-5=-813/314,	
	5-6=-1110/406, 6-7=-1558/535,	
	7-9=-1728/589, 9-10=-1712/587,	
	10-11=-2083/758, 11-12=-2128/647,	
	12-13=-2202/613	
BOT CHORD	2-26=-133/90, 25-26=-1764/309,	
	4-25=-1614/326, 24-25=-4/12, 23-24=0/44,	
	5-23=-900/167, 22-23=-185/647,	
	21-22=-210/859, 19-21=-337/1885,	
	18-19=-338/1879, 17-18=0/75, 9-18=-106/82,	
	16-17=-16/58, 15-16=0/87, 11-16=-213/173,	
	14-15=-15/99, 13-14=-406/1709	

WEBS	
4-23=-229/1221, 5-22=-78/644,	
6-22=-463/103, 8-19=0/321, 8-18=-265/182,	
16-18=-217/1635, 10-18=-262/951,	
10-16=-243/308, 12-16=-181/142,	
3-26=-250/166, 23-25=-270/141,	
7-21=-368/188, 6-21=-329/1168,	
12-14=-211/103, 14-16=-400/1646,	
8-21=-523/145	

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 2-8-6, Zone1 2-8-6 to 12-4-11, Zone2 12-4-11 to 18-1-0, Zone1 18-1-0 to 29-11-12, Zone2 29-11-12 to 35-11-1, Zone1 35-11-1 to 42-0-0 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 409 lb uplift at joint 13, 145 lb uplift at joint 2 and 447 lb uplift at joint 26.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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:

February 12,2026

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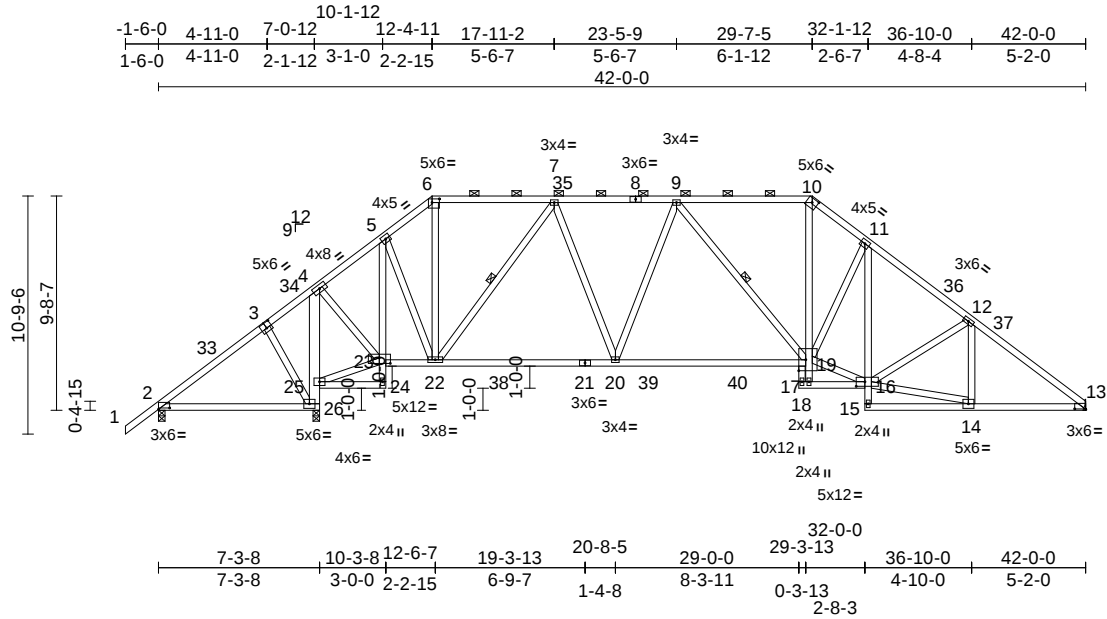
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	T09	Piggyback Base	5	1	T40110605
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:20
ID:MSHnGHXg_NuG0AimiHLCbnzmGta-RfC?PsB70Hq3NSgPqnL8w3uITXbGKwRcDoi7J4zJC?f

Page: 1



Scale = 1:104.4

Plate Offsets (X, Y): [2:0-6-0,0-0-12], [3:0-3-0,0-3-0], [6:0-4-0,0-2-0], [10:0-3-0,0-2-2], [13:0-6-0,0-0-4], [16:0-4-12,0-2-8], [19:0-6-0,0-3-13], [23:0-6-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	0.08	26-32	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.41	19-20	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.08	13	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 301 lb	FT = 20%

LUMBER			WEBS			4-23=-233/1253, 5-22=-133/752, 6-22=-100/433, 7-22=-1094/289, 7-20=-64/638, 9-20=-290/123, 9-19=-262/197, 16-19=-176/1709, 11-19=-211/227, 12-16=-184/172, 3-26=-248/165, 12-14=-206/76, 14-16=-256/1619, 23-25=-369/130, 18-19=-216/0		
TOP CHORD	2x4 SP No.2							
BOT CHORD	2x4 SP No.2 *Except* 26-4:2x6 SP No.2, 24-5,10-17,11-15:2x4 SP No.3, 15-13,21-19:2x4 SP No.1							
WEBS	2x4 SP No.3							
BRACING			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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 2-8-6, Zone1 2-8-6 to 12-4-11, Zone2 12-4-11 to 18-3-15, Zone1 18-3-15 to 29-7-5, Zone2 29-7-5 to 35-6-10, Zone1 35-6-10 to 42-0-0 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. 7) Refer to girder(s) for truss to truss connections. 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 295 lb uplift at joint 13, 115 lb uplift at joint 2 and 456 lb uplift at joint 26. 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.		
TOP CHORD	Structural wood sheathing directly applied or 3-9-11 oc purlins, except 2-0-0 oc purlins (4-1-3 max.): 6-10.							
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.							
WEBS	1 Row at midpt 7-22, 9-19							
REACTIONS			FORCES			(lb) - Maximum Compression/Maximum Tension		
(size)	2=0-3-8, 13= Mechanical, 26=0-3-8							
Max Horiz	2=248 (LC 9)							
Max Uplift	2=-115 (LC 13), 13=-295 (LC 13), 26=-456 (LC 9)							
Max Grav	2=212 (LC 25), 13=1492 (LC 2), 26=2109 (LC 2)							
TOP CHORD	1-2=0/54, 2-4=-163/421, 4-5=-727/209, 5-6=-1062/267, 6-7=-833/233, 7-9=-1687/393, 9-10=-1656/379, 10-11=-2049/442, 11-12=-2115/431, 12-13=-2195/428							
BOT CHORD	2-26=-207/107, 25-26=-1813/318, 4-25=-1609/333, 24-25=-7/21, 23-24=-2/40, 5-23=-1007/159, 22-23=-179/599, 20-22=-320/1468, 19-20=-324/1754, 17-19=0/313, 10-19=-188/1002, 17-18=0/34, 16-17=-28/61, 15-16=0/88, 11-16=-154/103, 14-15=-9/119, 13-14=-258/1703							

LOAD CASE(S)			Standard		
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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:

February 12,2026

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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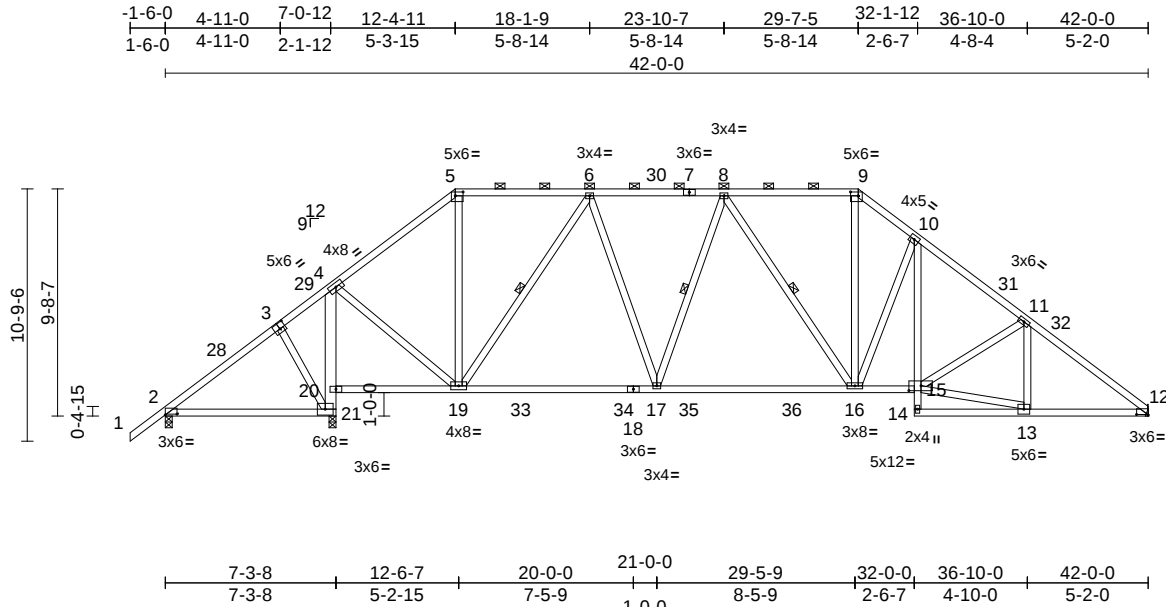
Job	Truss	Truss Type	Qty	Ply	
5240835	T10	Piggyback Base	1	1	T40110606
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:21

Page: 1

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Scale = 1:98.5

Plate Offsets (X, Y): [2:0-6-0,0-0-8], [3:0-3-0,0-3-0], [5:0-4-0,0-2-0], [9:0-4-0,0-2-0], [12:0-6-0,0-0-4], [15:0-6-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	0.08	21-27	>999	240	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.34	16-17	>999	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.06	12	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 285 lb FT = 20%											

LUMBER		
TOP CHORD	2x4 SP No.2	
BOT CHORD	2x4 SP No.2 *Except* 21-4:2x6 SP No.2, 10-14:2x4 SP No.3	
WEBS	2x4 SP No.3	
BRACING		
TOP CHORD	Structural wood sheathing directly applied or 3-9-5 oc purlins, except 2-0-0 oc purlins (4-5-13 max.): 5-9.	
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.	
WEBS	1 Row at midpt	6-19, 8-17, 8-16
REACTIONS		
(size)	2=0-3-8, 12= Mechanical, 21=0-3-8	
Max Horiz	2=249 (LC 9)	
Max Uplift	2=-113 (LC 8), 12=-370 (LC 13), 21=-463 (LC 12)	
Max Grav	2=271 (LC 25), 12=1508 (LC 2), 21=2033 (LC 2)	
FORCES		
(lb) - Maximum Compression/Maximum Tension		
TOP CHORD	1-2=0/54, 2-4=-149/320, 4-5=-1070/305, 5-6=-791/279, 6-8=-1537/440, 8-9=-1483/485, 9-10=-1878/569, 10-11=-2147/574, 11-12=-2221/549	
BOT CHORD	2-21=-137/104, 20-21=-1748/351, 4-20=-1677/361, 19-20=-243/132, 17-19=-295/1352, 16-17=-290/1587, 15-16=-225/1655, 14-15=0/88, 10-15=-143/449, 13-14=-8/146, 12-13=-355/1723	
WEBS	4-19=-184/1260, 5-19=-108/375, 6-19=-1032/285, 6-17=-115/586, 8-17=-252/172, 8-16=-283/199, 9-16=-230/918, 10-16=-577/274, 11-15=-180/151, 11-13=-214/94, 13-15=-355/1614, 3-21=-225/147	

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 2-8-6, Zone1 2-8-6 to 12-4-11, Zone2 12-4-11 to 18-1-9, Zone1 18-1-9 to 29-7-5, Zone2 29-7-5 to 35-6-10, Zone1 35-6-10 to 42-0-0 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 370 lb uplift at joint 12, 113 lb uplift at joint 2 and 463 lb uplift at joint 21.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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

February 12,2026

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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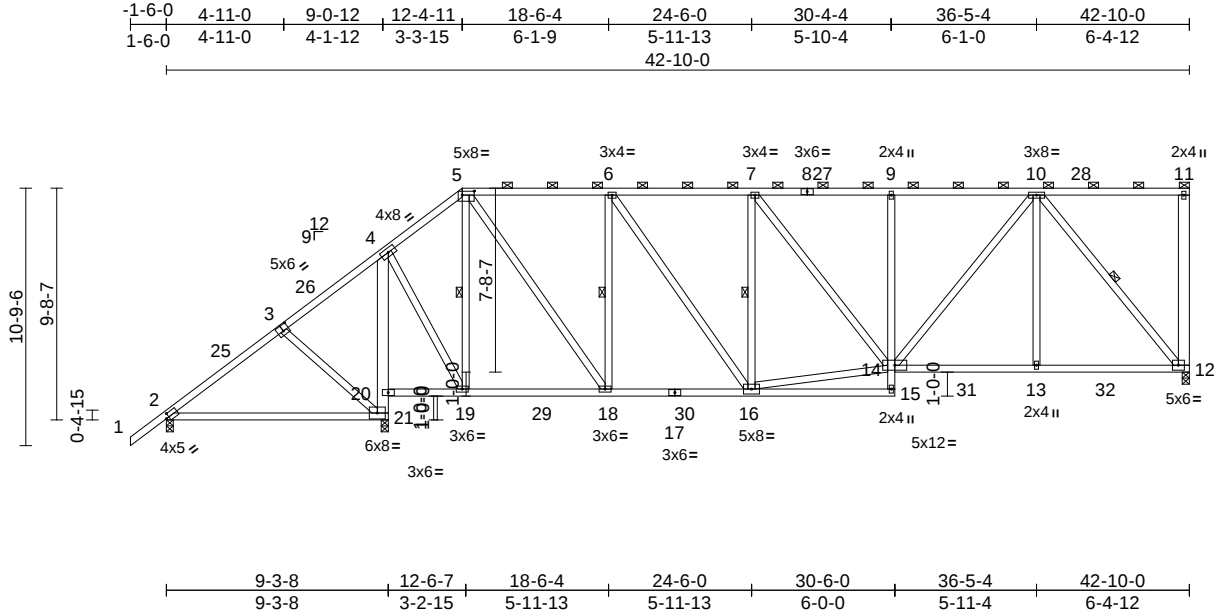
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	T11	Piggyback Base	2	1	
Job Reference (optional)					T40110607

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:21
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Page: 1



Scale = 1:96.5

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	0.18	21-24	>621	240	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.35	21-24	>313	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.04	12	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
										Weight: 322 lb	FT = 20%

LUMBER		
TOP CHORD	2x4 SP No.2	
BOT CHORD	2x4 SP No.2 *Except* 21-4:2x6 SP No.2, 15-9:2x4 SP No.3	
WEBS	2x4 SP No.3 *Except* 11-12:2x6 SP No.2	
BRACING		
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-5-2 max.): 5-11.	
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 19-20.	
WEBS	1 Row at midpt	5-19, 7-16, 10-12, 6-18
REACTIONS		
(size)	2-0-3-8, 12-0-3-8, 21-0-3-8	
Max Horiz	2=397 (LC 12)	
Max Uplift	2=-48 (LC 9), 12=-410 (LC 9), 21=-631 (LC 12)	
Max Grav	2=433 (LC 2), 12=1511 (LC 2), 21=1935 (LC 2)	
FORCES		
(lb) - Maximum Compression/Maximum Tension		
TOP CHORD	1-2=0/54, 2-4=-322/153, 4-5=-733/178, 5-6=-1237/349, 6-7=-1499/416, 7-9=-1582/440, 9-10=-1588/441, 10-11=-18/5, 11-12=-164/82	
BOT CHORD	2-21=-187/196, 20-21=-1618/523, 4-20=-1572/529, 19-20=-70/20, 18-19=-160/532, 16-18=-349/1237, 15-16=-19/71, 14-15=0/109, 9-14=-350/176, 13-14=-290/1077, 12-13=-290/1077	
WEBS	3-21=-292/196, 4-19=-266/1142, 5-19=-784/263, 6-16=-129/461, 7-16=-447/209, 14-16=-405/1453, 7-14=-101/161, 10-14=-238/805, 10-13=0/383, 10-12=-1656/446, 6-18=-751/306, 5-18=-334/1201	

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 2-9-6, Zone1 2-9-6 to 12-4-11, Zone2 12-4-11 to 18-6-4, Zone1 18-6-4 to 42-7-4 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 3-06-00 tall by 2-00-00 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 410 lb uplift at joint 12, 48 lb uplift at joint 2 and 631 lb uplift at joint 21.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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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:

February 12,2026

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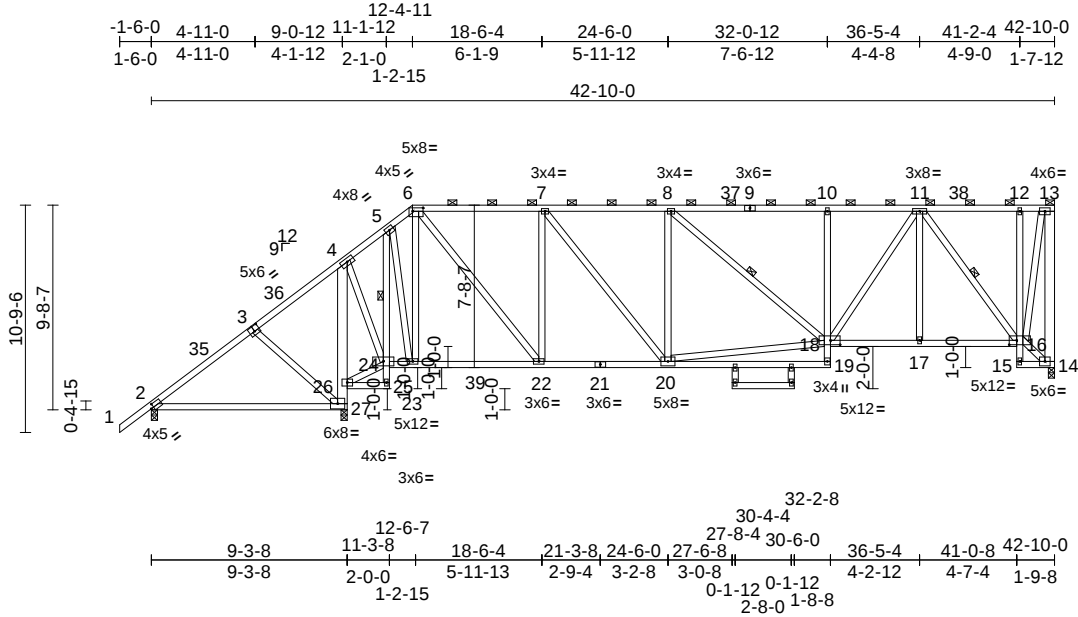
Job	Truss	Truss Type	Qty	Ply	
5240835	T12	Piggyback Base	3	1	T40110608
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:22

Page: 1

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Scale = 1:109.3

Plate Offsets (X, Y): [2:0-1-9,0-2-2], [3:0-3-0,0-3-0], [6:0-6-0,0-2-0], [16:0-4-4,0-2-8], [18:0-5-8,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.86	Vert(LL)	0.18	27-34	>616	240	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.35	27-34	>312	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.08	14	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 361 lb FT = 20%											

LUMBER			WEBS		
TOP CHORD	2x4 SP No.2		3-27=-296/195, 24-26=-149/56,		
BOT CHORD	2x4 SP No.2 *Except* 27-4:2x6 SP No.2, 25-5,19-10,12-15:2x4 SP No.3		4-24=-359/1149, 5-23=-236/924,		
WEBS	2x4 SP No.3 *Except* 13-14:2x6 SP No.2		6-23=-760/295, 8-18=-111/87,		
BRACING			11-18=-263/863, 11-16=-1390/392,		
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (3-11-2 max.): 6-13.		14-16=-161/171, 13-16=-439/1360,		
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except:		11-17=0/220, 7-22=-760/306,		
1 Row at midpt	5-24		6-22=-355/1241, 7-20=-151/505,		
WEBS	1 Row at midpt 8-18, 11-16		8-20=-425/219, 18-20=-524/1506		
REACTIONS			NOTES		
(size)	2=0-3-8, 14=0-3-8, 27=0-3-8		1) Unbalanced roof live loads have been considered for this design.		
Max Horiz	2=340 (LC 9)		2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 2-9-6, Zone1 2-9-6 to 12-4-11, Zone2 12-4-11 to 18-6-4, Zone1 18-6-4 to 42-7-4 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60		
Max Uplift	2=-98 (LC 8), 14=-408 (LC 9), 27=-628 (LC 9)		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.		
Max Grav	2=463 (LC 22), 14=1425 (LC 2), 27=1966 (LC 2)		4) Provide adequate drainage to prevent water ponding.		
FORCES			5) All plates are 2x4 () MT20 unless otherwise indicated.		
(lb) - Maximum Compression/Maximum Tension			6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.		
TOP CHORD	1-2=0/54, 2-4=-341/326, 4-5=-541/224, 5-6=-694/249, 6-7=-1335/419, 7-8=-1647/513, 8-10=-1629/518, 10-11=-1629/515, 11-12=-315/152, 12-13=-303/149, 13-14=-1355/408		7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.		
BOT CHORD	2-27=-214/168, 26-27=-1648/487, 4-26=-1529/514, 25-26=-32/18, 24-25=-22/23, 5-24=-1108/280, 23-24=-191/377, 22-23=-232/545, 20-22=-447/1335, 19-20=-14/158, 18-19=0/144, 10-18=-384/194, 17-18=-393/1143, 16-17=-393/1143, 15-16=-45/52, 12-16=-209/137, 14-15=-26/39		8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 408 lb uplift at joint 14, 98 lb uplift at joint 2 and 628 lb uplift at joint 27.		
			9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.		

LOAD CASE(S) Standard

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

February 12,2026

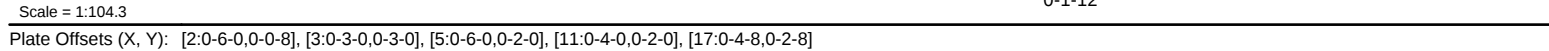
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:22 Page: 1
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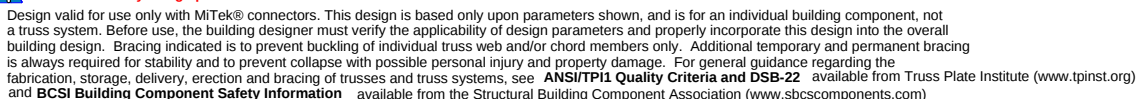
LUMBER		WEBS	4-23=-312/1221, 5-23=-551/232, 6-20=-125/380, 7-20=-410/191, 17-20=-485/1634, 7-17=-93/147, 10-17=-267/952, 10-14=-1592/438, 11-14=-95/158, 12-14=-368/1321, 6-22=-687/306, 5-22=-335/1118, 10-15=0/329, 3-25=-225/149, 16-18=-54/1
TOP CHORD	2x4 SP No.2		
BOT CHORD	2x4 SP No.2 *Except* 25-4:2x6 SP No.2, 19-9:2x4 SP No.3		
WEBS	2x4 SP No.3 *Except* 13-12:2x6 SP No.2		
BRACING			
TOP CHORD	Structural wood sheathing directly applied or		

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 2-9-6, Zone1 2-9-6 to 12-4-11, Zone2 12-4-11 to 18-6-4, Zone1 18-6-4 to 41-6-5, Zone3 41-6-5 to 42-7-4 zone; end vertical right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 2, 391 lb uplift at joint 13 and 589 lb uplift at joint 25.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Chesterfield, MO 63017
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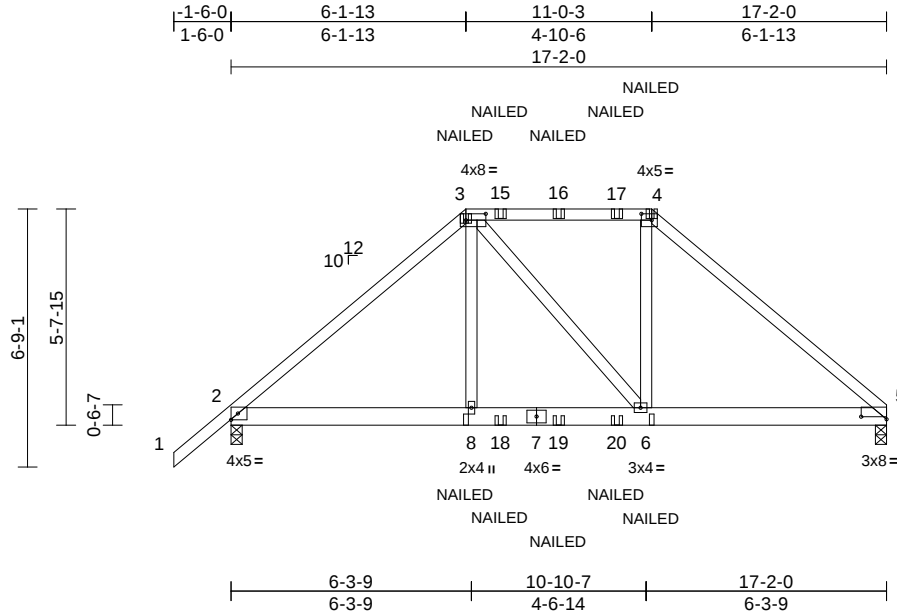
Job	Truss	Truss Type	Qty	Ply	
5240835	T14	Hip Girder	1	1	T40110610
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:23

Page: 1

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Scale = 1:60.3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	0.07	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.08	6-8	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.28	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 99 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-9-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 7-10-3 oc bracing.

REACTIONS

(size)	2=0-3-8, 5=0-3-8
Max Horiz	2=148 (LC 7)
Max Uplift	2=-795 (LC 8), 5=-754 (LC 9)
Max Grav	2=1501 (LC 15), 5=1411 (LC 16)
TOP CHORD	1-2=0/58, 2-3=-1932/1097, 3-4=-1452/928, 4-5=-1943/1103
BOT CHORD	2-8=-819/1463, 6-8=-829/1483, 5-6=-765/1430
WEBS	3-8=-384/732, 3-6=-89/88, 4-6=-393/747

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 754 lb uplift at joint 5 and 795 lb uplift at joint 2.
 - "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 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
- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-4=-60, 4-5=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 3=-112 (B), 4=-112 (B), 8=-283 (B), 6=-283 (B), 15=-21 (B), 16=-21 (B), 17=-21 (B), 18=-167 (B), 19=-167 (B), 20=-167 (B)

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Date:

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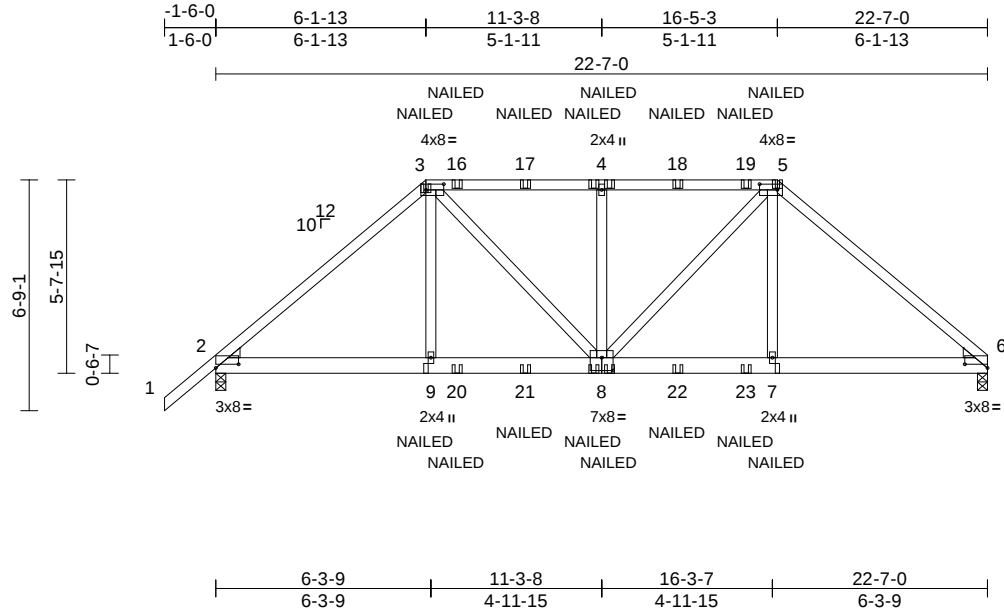
Job	Truss	Truss Type	Qty	Ply	
5240835	T15	Hip Girder	1	1	T40110611
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:23

Page: 1

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Scale = 1:67.4

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	0.10	7-8	>999	240	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.14	8-9	>999	180	244/190
BCLL	0.0*	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.04	6	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 139 lb FT = 20%											

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.3 Right: 2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-11-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-11-11 oc bracing.

REACTIONS

(size)	2=0-3-8, 6=0-3-8
Max Horiz	2=148 (LC 7)
Max Uplift	2=-1031 (LC 8), 6=-991 (LC 9)
Max Grav	2=2009 (LC 15), 6=1920 (LC 16)

FORCES

(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/58, 2-3=-2690/1446, 3-4=-2559/1427, 4-5=-2559/1427, 5-6=-2702/1456
BOT CHORD	2-9=-1097/2043, 7-9=-1106/2062, 6-7=-1023/1995
WEBS	3-9=-342/673, 3-8=-477/869, 4-8=-426/299, 5-8=-475/866, 5-7=-353/678

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 991 lb uplift at joint 6 and 1031 lb uplift at joint 2.
- 8) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-5=-60, 5-6=-60, 10-13=-20
Concentrated Loads (lb)
Vert: 3=-112 (F), 5=-112 (F), 9=-283 (F), 8=-333 (F), 4=-42 (F), 7=-283 (F), 16=-21 (F), 17=-21 (F), 18=-21 (F), 19=-21 (F), 20=-167 (F), 21=-167 (F), 22=-167 (F), 23=-167 (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 Swingle Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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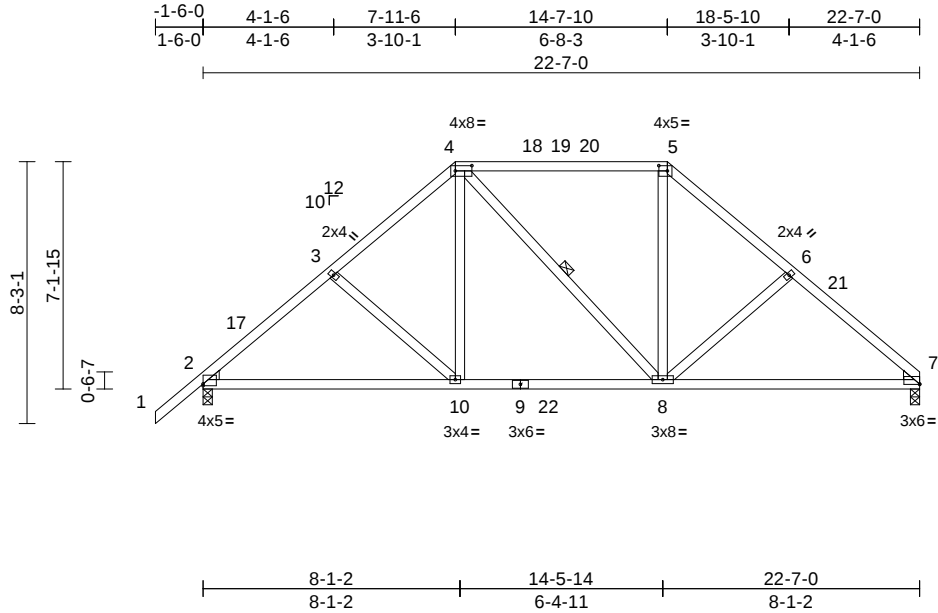
Job	Truss	Truss Type	Qty	Ply	
5240835	T16	Hip	1	1	T40110612
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:23

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Scale = 1:72.6

Plate Offsets (X, Y): [2:Edge,0-0-11], [4:0-6-4,0-2-0], [5:0-3-4,0-2-0], [7:Edge,0-0-3]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.09	10-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.18	8-13	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 127 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 WEDGE Left: 2x4 SP No.3
 Right: 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-8

REACTIONS

(size) 2=0-3-8, 7=0-3-8
 Max Horiz 2=185 (LC 11)
 Max Uplift 2=-248 (LC 12), 7=-208 (LC 13)
 Max Grav 2=1062 (LC 2), 7=975 (LC 2)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/58, 2-3=-1219/277, 3-4=-1071/270,
 4-5=-777/265, 5-6=-1066/276, 6-7=-1203/285
 BOT CHORD 2-10=-247/949, 8-10=-155/783, 7-8=-147/896
 WEBS 4-10=-71/434, 4-8=-88/87, 5-8=-63/398,
 3-10=-231/176, 6-8=-244/185

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 7-11-6, Zone2 7-11-6 to 12-2-5, Zone1 12-2-5 to 14-7-10, Zone2 14-7-10 to 18-7-0, Zone1 18-7-0 to 22-7-0 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 3-06-00 tall by 2-00-00 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 208 lb uplift at joint 7 and 248 lb uplift at joint 2.

LOAD CASE(S) Standard

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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:

February 12,2026

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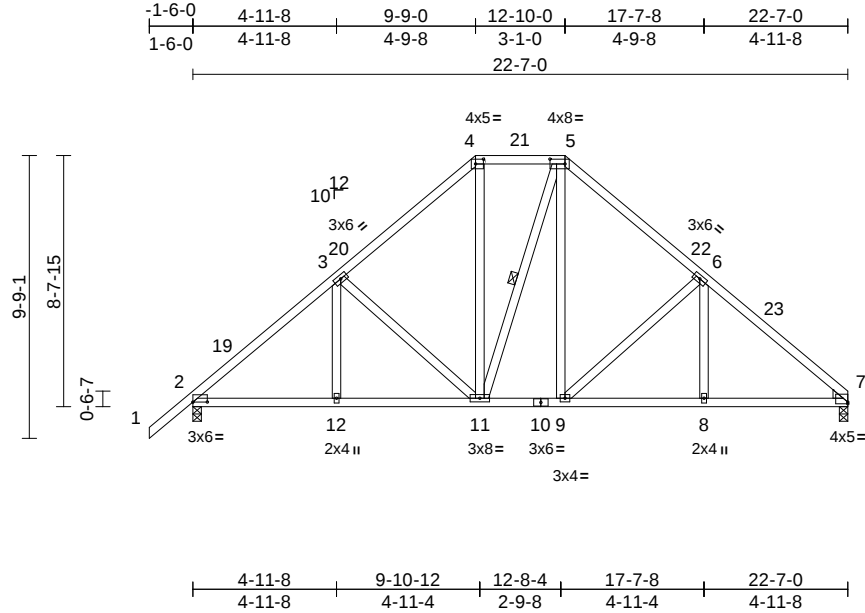
Job	Truss	Truss Type	Qty	Ply	
5240835	T17	Hip	1	1	T40110613
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:24

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Scale = 1:79.4

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.03	8-9	>999	240	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.07	8-9	>999	180	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.03	7	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 147 lb FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
WEDGE	Right: 2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-3-4 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-11

REACTIONS

(size)	2=0-3-8, 7=0-3-8
Max Horiz	2=222 (LC 11)
Max Uplift	2=-239 (LC 12), 7=-200 (LC 13)
Max Grav	2=996 (LC 1), 7=900 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/58, 2-3=-1170/249, 3-4=-885/265, 4-5=-605/257, 5-6=-886/264, 6-7=-1183/260
BOT CHORD	2-12=-241/838, 11-12=-241/838, 9-11=-60/604, 8-9=-127/840, 7-8=-127/840
WEBS	3-11=-347/219, 4-11=-114/305, 5-11=-102/104, 5-9=-123/309, 6-9=-366/231, 3-12=0/196, 6-8=0/202

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 1-6-0 to 1-6-0, Zone1 1-6-0 to 9-9-0, Zone3 9-9-0 to 12-10-0, Zone2 12-10-0 to 17-0-15, Zone1 17-0-15 to 22-7-0 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 200 lb uplift at joint 7 and 239 lb uplift at joint 2.

LOAD CASE(S) Standard

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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:

February 12,2026

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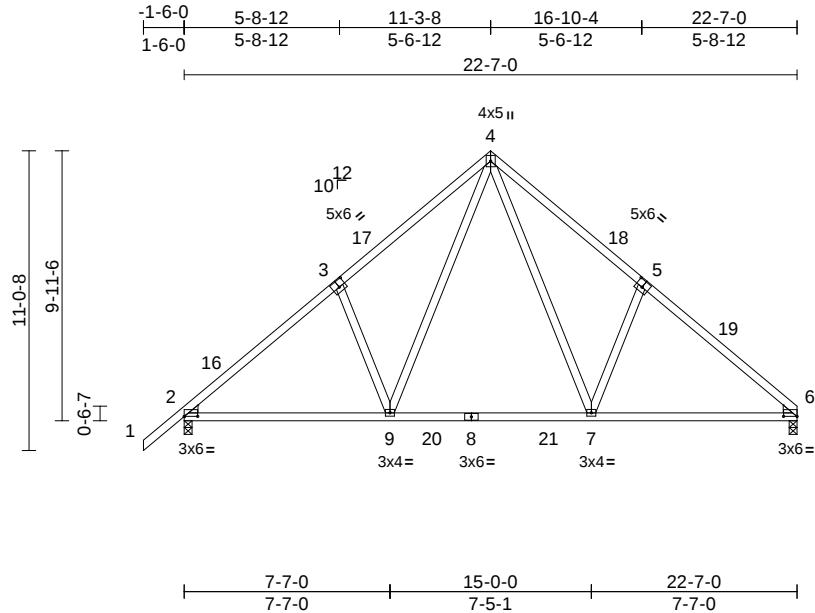
Job	Truss	Truss Type	Qty	Ply	
5240835	T18	Common	3	1	
					Job Reference (optional)
					T40110614

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:24

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Scale = 1:84.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.12	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.18	7-9	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 127 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.3 Right: 2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-0-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS	(size) 2=0-3-8, 6=0-3-8
	Max Horiz 2=253 (LC 11)
	Max Uplift 2=-231 (LC 12), 6=-191 (LC 13)
	Max Grav 2=1107 (LC 19), 6=1018 (LC 20)

FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/58, 2-4=-1257/356, 4-6=-1258/364
BOT CHORD	2-9=-243/1045, 7-9=-50/679, 6-7=-132/924
WEBS	4-9=-241/666, 3-9=-339/285, 4-7=-251/682, 5-7=-346/290

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 1-6-0 to 1-6-0, Zone1 1-6-0 to 11-3-8, Zone2 11-3-8 to 15-6-7, Zone1 15-6-7 to 22-7-0 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 6 and 231 lb uplift at joint 2.

LOAD CASE(S) Standard

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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:

February 12,2026

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[illegible]

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat.
II; Exp B; Enclosed; MWFRS (envelope) exterior (2)
zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to
12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to
22-5-0 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
3-06-00 tall by 2-00-00 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 283 lb uplift at joint
8 and 210 lb uplift at joint 2.
- 8) Graphical purlin representation does not depict the size
or the orientation of the purlin along the top and/or
bottom chord.

NOTES

- 1) Unbalanced roof live loads have been considered for this design.

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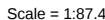
Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
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February 12, 2026



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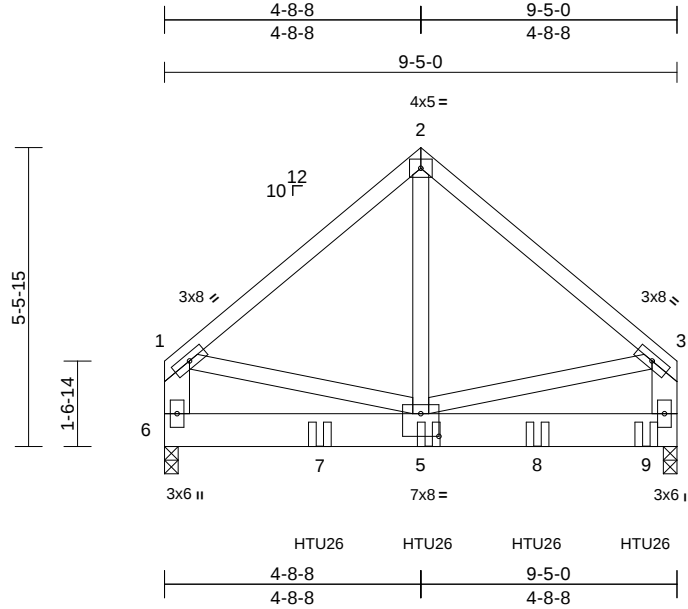
Job	Truss	Truss Type	Qty	Ply	
5240835	T22	Common Girder	1	2	T40110618
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:25

Page: 1

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Scale = 1:42.3

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	0.02	5-6	>999	240	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.03	5-6	>999	180	244/190
BCLL	0.0*	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.00	4	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 143 lb FT = 20%											

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* 4-3,6-1:2x6 SP No.2

BRACING

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

REACTIONS

(size)	4=0-3-0, 6=0-3-0
Max Horiz	6=-138 (LC 4)
Max Uplift	4=-816 (LC 8), 6=-778 (LC 9)
Max Grav	4=3090 (LC 2), 6=2296 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=-1930/635, 2-3=-1930/635, 3-4=-1631/527, 1-6=-1615/508
BOT CHORD	5-6=-265/427, 4-5=-112/322
WEBS	2-5=-677/2113, 3-5=-425/1155, 1-5=-354/1123

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: 2x8 - 2 rows staggered at 0-6-0 oc.
Web 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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone; end vertical 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.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 778 lb uplift at joint 6 and 816 lb uplift at joint 4.
- Use Simpson Strong-Tie HTU26 (20-10d Girder, 20-10dx1 1/2 Truss, Single Ply Girder) or equivalent at 4-1-2 from the left end to connect truss(es) to front face of bottom chord.
- Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss) or equivalent spaced at 2-0-0 oc max. starting at 6-1-2 from the left end to 10-1-2 to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-2=-60, 2-3=-60, 4-6=-20
Concentrated Loads (lb)
Vert: 5=-903 (F), 7=-1713 (F), 8=-903 (F), 9=-1065 (F)

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Date:

February 12,2026

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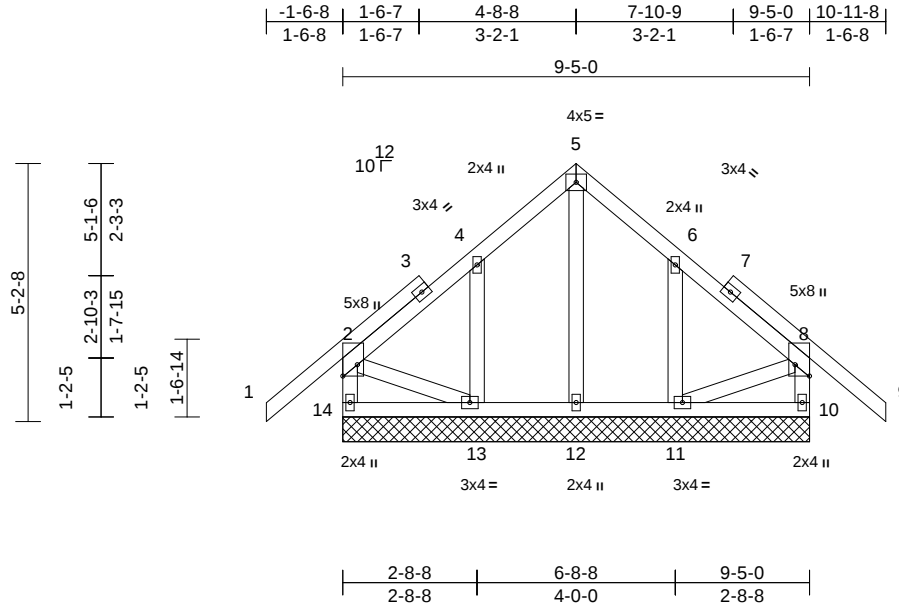
Job	Truss	Truss Type	Qty	Ply	
5240835	T22G	Common Supported Gable	1	1	T40110619
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Scale = 1:46.5

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	10	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 70 lb FT = 20%

LUMBER

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

BRACING

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

REACTIONS	(size)	10=9-5-0, 11=9-5-0, 12=9-5-0, 13=9-5-0, 14=9-5-0
	Max Horiz	14=-160 (LC 10)
	Max Uplift	10=-21 (LC 13), 11=-144 (LC 13), 13=-145 (LC 12), 14=-33 (LC 8)
	Max Grav	10=230 (LC 1), 11=209 (LC 20), 12=137 (LC 1), 13=214 (LC 19), 14=230 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD	2-14=-207/151, 1-2=0/58, 2-4=-88/63, 4-5=-64/121, 5-6=-65/123, 6-8=-74/49, 8-9=0/58, 8-10=-207/147
BOT CHORD	13-14=-145/140, 12-13=-78/180, 11-12=-78/180, 10-11=-19/37
WEBS	5-12=-105/0, 4-13=-145/176, 6-11=-145/175, 2-13=-78/158, 8-11=-67/155

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 14, 21 lb uplift at joint 10, 145 lb uplift at joint 13 and 144 lb uplift at joint 11.

LOAD CASE(S) Standard

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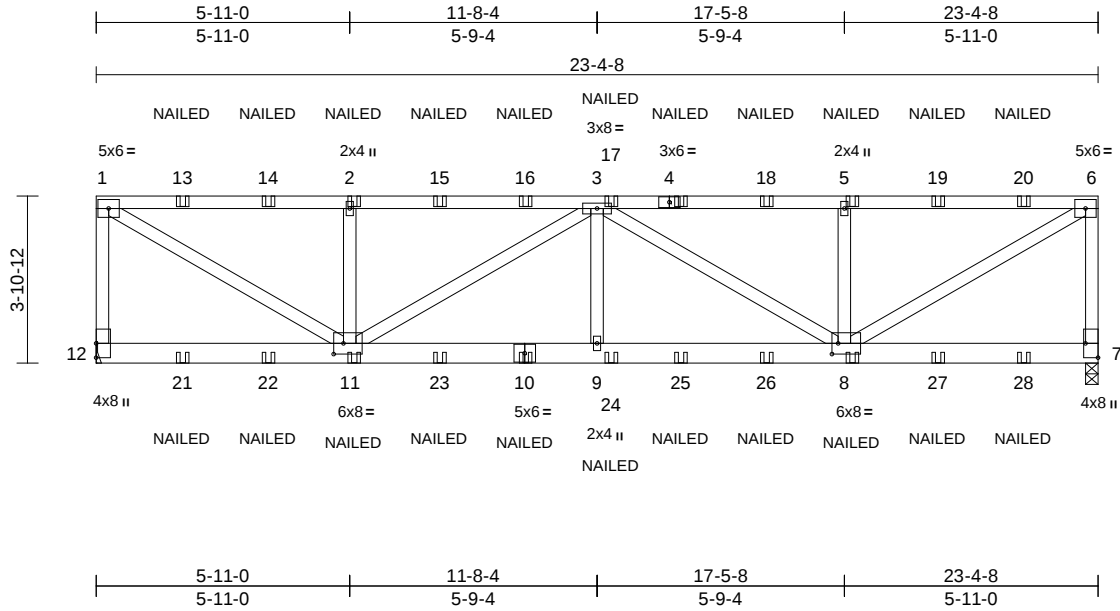
Job	Truss	Truss Type	Qty	Ply	
5240835	T23	Flat Girder	1	1	T40110620
Job Reference (optional)					

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Scale = 1:53.8

Plate Offsets (X, Y): [7:Edge,0-3-8], [8:0-1-12,0-3-0], [11:0-2-12,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	0.14	8-9	>999	240	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.23	8-9	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.04	7	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 150 lb FT = 20%											

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-2-9 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-5-10 oc bracing.

REACTIONS	(size) 7=0-3-8, 12= Mechanical
	Max Uplift 7=-740 (LC 4), 12=-731 (LC 4)
	Max Grav 7=1751 (LC 1), 12=1733 (LC 1)

FORCES	(lb) - Maximum Compression/Maximum Tension
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TOP CHORD	1-12=-1569/710, 1-2=-2323/989, 2-3=-2323/989, 3-5=-2331/991, 5-6=-2331/991, 6-7=-1577/716
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BOT CHORD	11-12=-23/44, 9-11=-1311/3063, 8-9=-1311/3063, 7-8=-23/44
-----------	---

WEBS	1-11=-1131/2670, 2-11=-454/348, 3-11=-868/377, 3-9=-68/547, 3-8=-858/374, 5-8=-455/349, 6-8=-1135/2679
------	--

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 731 lb uplift at joint 12 and 740 lb uplift at joint 7.
- 9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (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 (lb/ft)
Vert: 1-6=-60, 7-12=-20
Concentrated Loads (lb)
Vert: 4=-27 (F), 10=-121 (F), 11=-121 (F), 2=-27 (F), 5=-27 (F), 8=-121 (F), 13=-27 (F), 14=-27 (F), 15=-27 (F), 16=-27 (F), 17=-27 (F), 18=-27 (F), 19=-27 (F), 20=-27 (F), 21=-121 (F), 22=-121 (F), 23=-121 (F), 24=-121 (F), 25=-121 (F), 26=-121 (F), 27=-121 (F), 28=-121 (F)

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Date:

February 12,2026

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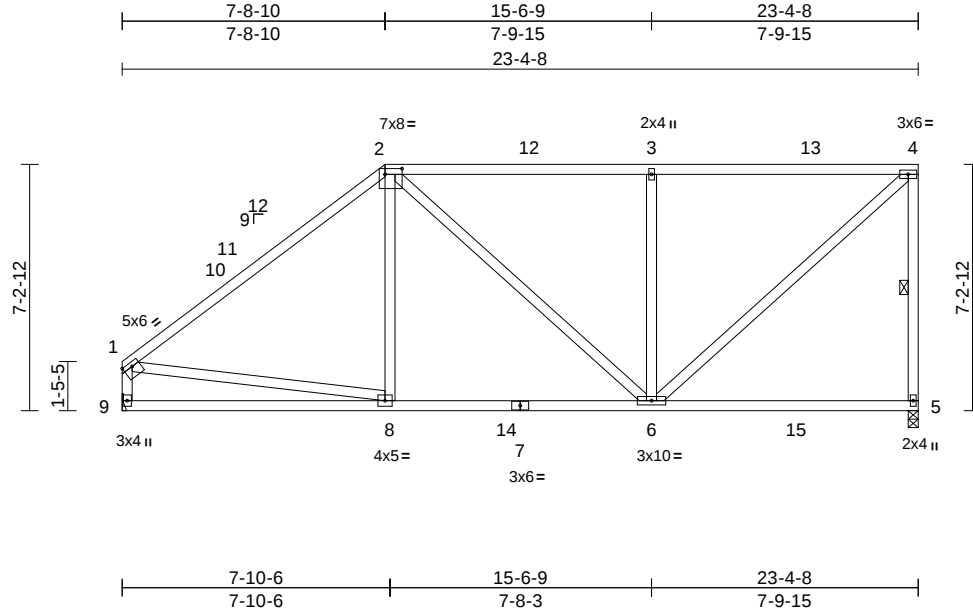
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5240835	T25	Half Hip	1	1	T40110622

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Scale = 1:67.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.91	Vert(LL)	-0.14	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.24	5-6	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 145 lb	FT = 20%

LUMBER

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

BRACING

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

WEBS 1 Row at midpt 4-5

REACTIONS

(size) 5=0-3-8, 9= Mechanical
Max Horiz 9=221 (LC 12)
Max Uplift 5=-281 (LC 9), 9=-219 (LC 12)
Max Grav 5=1050 (LC 2), 9=1015 (LC 2)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1124/238, 2-3=-834/231, 3-4=-834/231, 4-5=-895/299, 1-9=-895/239
BOT CHORD 8-9=-335/298, 6-8=-283/811, 5-6=-6/21
WEBS 2-8=0/302, 2-6=-125/136, 3-6=-545/284, 4-6=-304/1095, 1-8=-150/620

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-2-4 to 3-2-4, Zone1 3-2-4 to 7-9-2, Zone2 7-9-2 to 12-0-0, Zone1 12-0-0 to 23-3-4 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 281 lb uplift at joint 5 and 219 lb uplift at joint 9.

LOAD CASE(S) Standard

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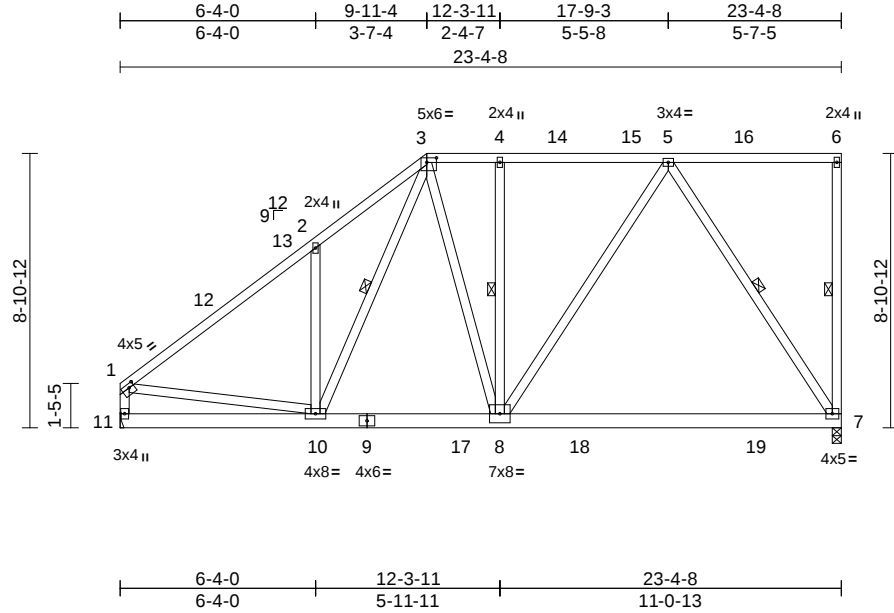
Job	Truss	Truss Type	Qty	Ply	
5240835	T26	Half Hip	1	1	T40110623
Job Reference (optional)					

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Scale = 1:74.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	-0.22	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.45	7-8	>609	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 190 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x6 SP No.2 *Except* 9-7:2x6 SP 2400F
 2.0E or 2x6 SP M 26
 WEBS 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or
 4-5-7 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc
 bracing.

WEBS 1 Row at midpt 6-7, 3-10, 5-7, 4-8

REACTIONS (size) 7=0-3-8, 11= Mechanical
 Max Horiz 11=285 (LC 12)
 Max Uplift 7=-430 (LC 9), 11=-251 (LC 12)
 Max Grav 7=1503 (LC 2), 11=1170 (LC 19)

FORCES

(lb) - Maximum Compression/Maximum
 Tension
 TOP CHORD 1-2=-1310/287, 2-3=-1330/486,
 3-4=-1030/329, 4-5=-1030/329, 5-6=-18/4,
 6-7=-138/72, 1-11=-1029/258
 BOT CHORD 10-11=-364/270, 8-10=-322/900,
 7-8=-202/624
 WEBS 3-10=-240/288, 5-8=-235/809,
 5-7=-1122/369, 1-10=-82/822,
 2-10=-391/309, 4-8=-249/135, 3-8=-191/552

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-2-4 to 3-2-4, Zone1 3-2-4 to 9-11-12, Zone2 9-11-12 to 14-2-11, Zone1 14-2-11 to 23-3-4 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 430 lb uplift at joint 7 and 251 lb uplift at joint 11.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (lb/ft)
 Vert: 1-3=-60, 3-6=-60, 8-11=-20, 7-8=-80

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:

February 12,2026

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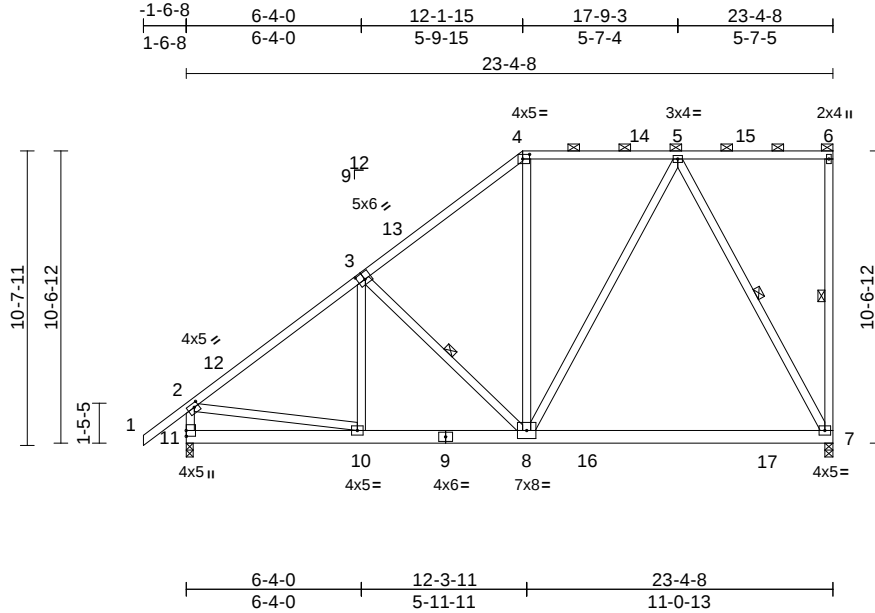
Job	Truss	Truss Type	Qty	Ply	
5240835	T28	Piggyback Base	4	1	T40110625
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:28

Page: 1

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Scale = 1:83.3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.23	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.47	7-8	>592	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS								
Weight: 189 lb											FT = 20%	

LUMBER		
TOP CHORD	2x4 SP No.2	
BOT CHORD	2x6 SP No.2 *Except* 9-7:2x6 SP 2400F	
	2.0E or 2x6 SP M 26	
WEBS	2x4 SP No.3	
BRACING		
TOP CHORD	Structural wood sheathing directly applied or 4-11-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.	
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.	
WEBS	1 Row at midpt	6-7, 3-8, 5-7
REACTIONS		
(size)	7=0-3-8, 11=0-3-0	
Max Horiz	11=376 (LC 12)	
Max Uplift	7=-435 (LC 12), 11=-272 (LC 12)	
Max Grav	7=1499 (LC 19), 11=1291 (LC 19)	
FORCES		
(lb) - Maximum Compression/Maximum Tension		
TOP CHORD	1-2=0/61, 2-4=-1307/306, 4-5=-896/307, 5-6=-15/3, 6-7=-136/73, 2-11=-1145/281	
BOT CHORD	10-11=-451/301, 8-10=-462/1045, 7-8=-190/511	
WEBS	3-10=-194/75, 3-8=-216/217, 4-8=-45/428, 5-8=-247/835, 5-7=-1053/399, 2-10=-38/792	

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 1-6-0 to 1-6-0, Zone1 1-6-0 to 12-2-7, Zone2 12-2-7 to 16-5-6, Zone1 16-5-6 to 23-3-4 zone; end vertical 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 3-06-00 tall by 2-00-00 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 at joint(s) 11.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 435 lb uplift at joint 7 and 272 lb uplift at joint 11.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-2=-60, 2-4=-60, 4-6=-60, 8-11=-20, 7-8=-80

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:

February 12,2026

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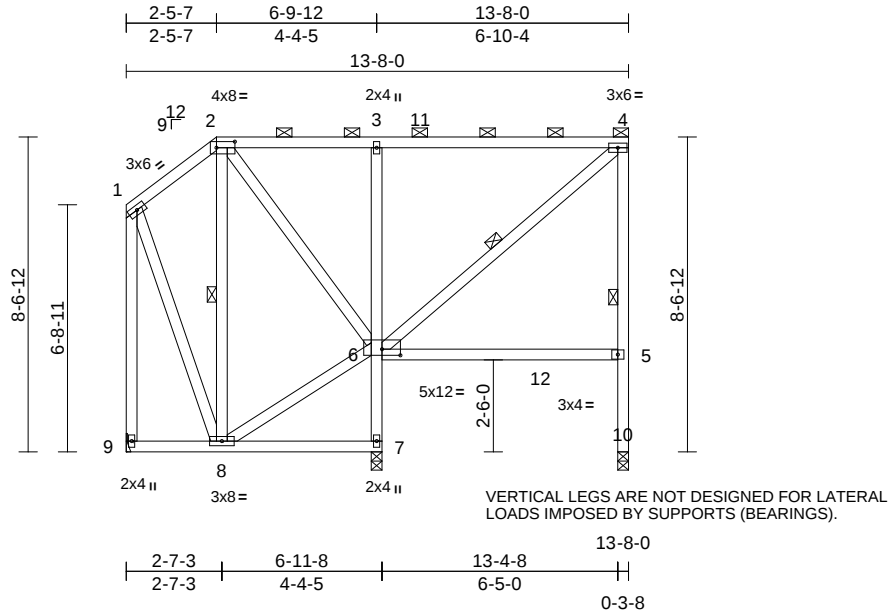
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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	
5240835	T29	Piggyback Base	1	1	T40110626
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:28
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Page: 1



Scale = 1:62.7

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.09	5-6	>929	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.15	5-6	>522	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 126 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-4.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

WEBS 1 Row at midpt 4-10, 2-8, 4-6

REACTIONS (size) 7=0-3-8, 9= Mechanical, 10=0-3-8
Max Horiz 9=68 (LC 12)
Max Uplift 7=-202 (LC 9), 9=-18 (LC 12), 10=-80 (LC 13)
Max Grav 7=648 (LC 2), 9=246 (LC 2), 10=282 (LC 28)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-89/33, 2-3=-9/25, 3-4=-17/25, 5-10=-282/80, 4-5=-166/99, 1-9=-222/20

BOT CHORD 8-9=-69/30, 7-8=-19/0, 6-7=-582/212, 3-6=-404/206, 5-6=-5/25

WEBS 1-8=-11/148, 2-8=-60/33, 6-8=-63/86, 2-6=-96/56, 4-6=-36/8

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 7-2-12 to 9-6-7, Zone2 9-6-7 to 13-10-12, Zone1 13-10-12 to 20-7-4 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 9, 202 lb uplift at joint 7 and 80 lb uplift at joint 10.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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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:

February 12,2026

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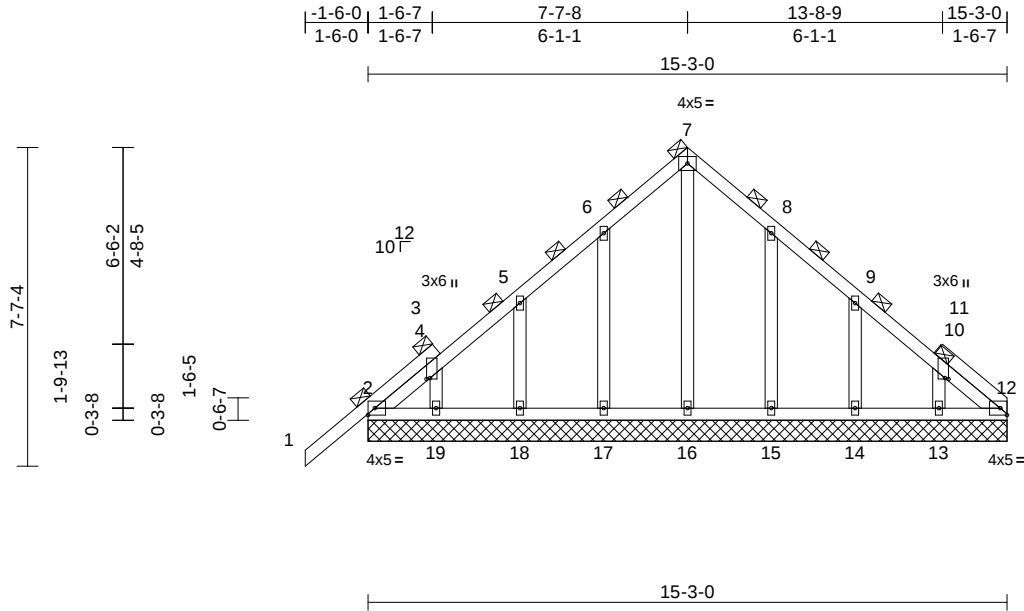
Job	Truss	Truss Type	Qty	Ply	
5240835	T30G	Common Supported Gable	1	1	T40110627
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:28

Page: 1

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Scale = 1:55

Plate Offsets (X, Y): [3:0-0-5,0-1-0], [11:0-0-5,0-1-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	12	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 93 lb FT = 20%											

LUMBER

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

BRACING

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

REACTIONS

(size)	2=15-3-0, 12=15-3-0, 13=15-3-0, 14=15-3-0, 15=15-3-0, 16=15-3-0, 17=15-3-0, 18=15-3-0, 19=15-3-0
Max Horiz	2=168 (LC 9)
Max Uplift	2=-45 (LC 8), 12=-11 (LC 9), 13=-100 (LC 13), 14=-95 (LC 13), 15=-106 (LC 13), 17=-106 (LC 12), 18=-100 (LC 12), 19=-61 (LC 12)
Max Grav	2=197 (LC 1), 12=87 (LC 22), 13=182 (LC 20), 14=169 (LC 20), 15=184 (LC 20), 16=153 (LC 22), 17=184 (LC 19), 18=176 (LC 19), 19=125 (LC 19)

FORCES

(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/58, 2-3=-154/110, 3-5=-109/96, 5-6=-99/76, 6-7=-90/141, 7-8=-90/141, 8-9=-63/45, 9-11=-83/49, 11-12=-133/74
BOT CHORD	2-19=-76/147, 18-19=-54/124, 17-18=-54/124, 16-17=-54/124, 15-16=-54/124, 14-15=-54/124, 13-14=-54/124, 12-13=-54/124
WEBS	7-16=-113/25, 6-17=-145/133, 5-18=-132/134, 3-19=-105/93, 8-15=-144/133, 9-14=-130/128, 11-13=-133/115

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 (II) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 2, 11 lb uplift at joint 12, 106 lb uplift at joint 17, 100 lb uplift at joint 18, 61 lb uplift at joint 19, 106 lb uplift at joint 15, 95 lb uplift at joint 14, 100 lb uplift at joint 13, 45 lb uplift at joint 2 and 11 lb uplift at joint 12.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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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:

February 12,2026

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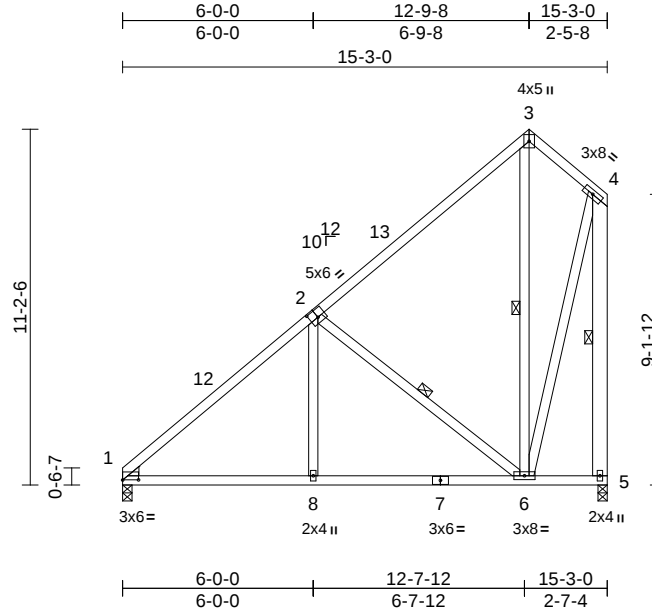
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5240835	T31	Common	4	1	T40110628

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:28
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Page: 1



Scale = 1:72.5

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	0.04	8-11	>999	240	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.08	6-8	>999	180	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.01	5	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 123 lb FT = 20%											

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 5-4:2x6 SP No.2
WEDGE	Left: 2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-9-13 oc bracing.

WEBS 1 Row at midpt 4-5, 2-6, 3-6

REACTIONS

(size)	1=0-3-8, 5=0-3-8
Max Horiz	1=383 (LC 11)
Max Uplift	1=-105 (LC 12), 5=-221 (LC 12)
Max Grav	1=601 (LC 1), 5=635 (LC 19)

FORCES

(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-3=-719/208, 3-4=-291/237, 4-5=-618/276
BOT CHORD	1-8=-402/585, 6-8=-347/584, 5-6=-133/144
WEBS	4-6=-284/557, 2-6=-506/310, 2-8=0/276, 3-6=-175/218

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 12-9-8, Zone3 12-9-8 to 15-0-4 zone; end vertical 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 5 and 105 lb uplift at joint 1.

LOAD CASE(S) Standard

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Date:

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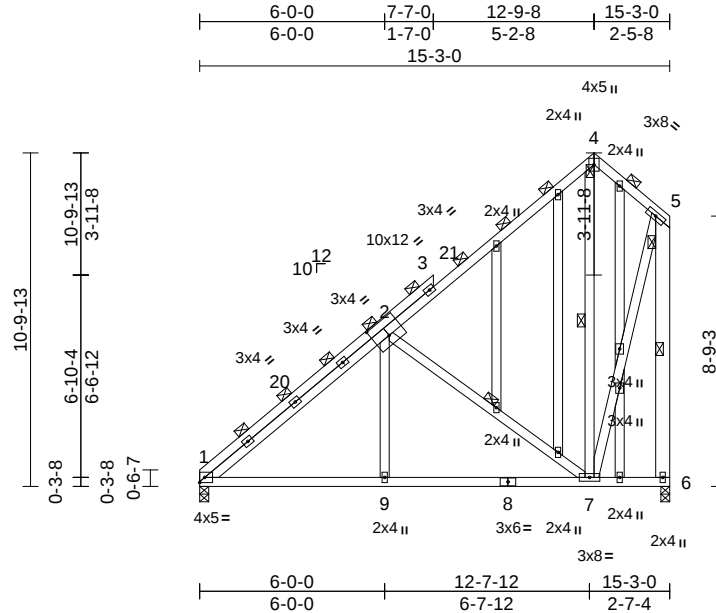
Job	Truss	Truss Type	Qty	Ply	
5240835	T31G	Common Structural Gable	1	1	T40110629
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:29

Page: 1

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Scale = 1:74.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.04	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.09	7-9	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 169 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 6-5:2x6 SP No.2
OTHERS	2x4 SP No.3

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-9-4 oc bracing.

WEBS 1 Row at midpt 5-6, 2-7, 4-7

REACTIONS	(size) 1=0-3-8, 6=0-3-8
	Max Horiz 1=367 (LC 11)
	Max Uplift 1=-108 (LC 12), 6=-215 (LC 12)
	Max Grav 1=595 (LC 1), 6=625 (LC 19)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	5-6=-613/270, 1-4=-703/210, 4-5=-291/231
BOT CHORD	1-9=-365/608, 7-9=-365/608, 6-7=-128/139
WEBS	5-7=-264/538, 2-9=0/261, 2-7=-542/333, 4-7=-182/208

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 12-9-8, Zone3 12-9-8 to 15-0-4 zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.

- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable studs spaced at 2-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 6 and 108 lb uplift at joint 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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:

February 12,2026

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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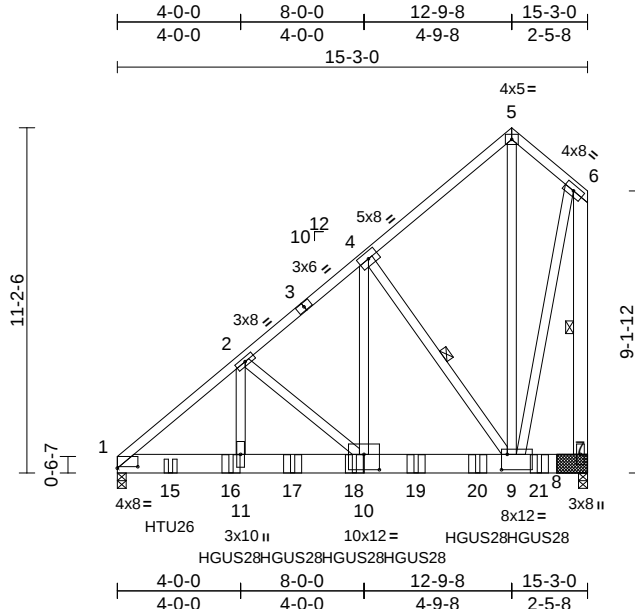
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	T32	Common Girder	1	2	
Job Reference (optional)					T40110630

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Page: 1



Scale = 1:74.7

Plate Offsets (X, Y): [1:0-8-0,0-0-9], [9:0-2-4,0-6-0], [10:0-6-0,0-6-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.07	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.13	9-10	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 329 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* 7-6:2x6 SP No.2, 4-10:2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-9-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 6-7, 4-9

REACTIONS	(size) 1=0-3-8, 7=(0-3-8 + bearing block)
	Max Horiz 1=379 (LC 7)
	Max Uplift 1=-1132 (LC 8), 7=-1598 (LC 8)
	Max Grav 1=4711 (LC 2), 7=6018 (LC 2)

FORCES

TOP CHORD	1-2=-6685/1629, 2-4=-4755/1199, 4-5=-1596/468, 5-6=-1552/527, 6-7=-5525/1517
BOT CHORD	1-11=-1393/5088, 9-11=-1393/5088, 7-9=-120/104
WEBS	5-9=-595/1803, 2-11=-547/2303, 6-9=-1226/4635, 4-9=-4240/1240, 4-10=-1327/5248, 2-10=-1915/579

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: 2x8 - 2 rows staggered at 0-7-0 oc.
Web 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.

- 2x8 SP 2400F 2.0E bearing block 12" long at jt. 7 attached to each face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SP No.2.
- 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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone; end vertical 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.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1132 lb uplift at joint 1 and 1598 lb uplift at joint 7.
- Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss) or equivalent at 1-8-12 from the left end to connect truss(es) to front face of bottom chord.
- Use Simpson Strong-Tie HGUS28 (36-10d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-8-4 from the left end to 13-8-4 to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-5=-60, 5-6=-60, 7-12=-20
Concentrated Loads (lb)

Vert: 15=-204 (F), 16=-1383 (F), 17=-1383 (F), 18=-1383 (F), 19=-1383 (F), 20=-1383 (F), 21=-1383 (F)

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:

February 12,2026

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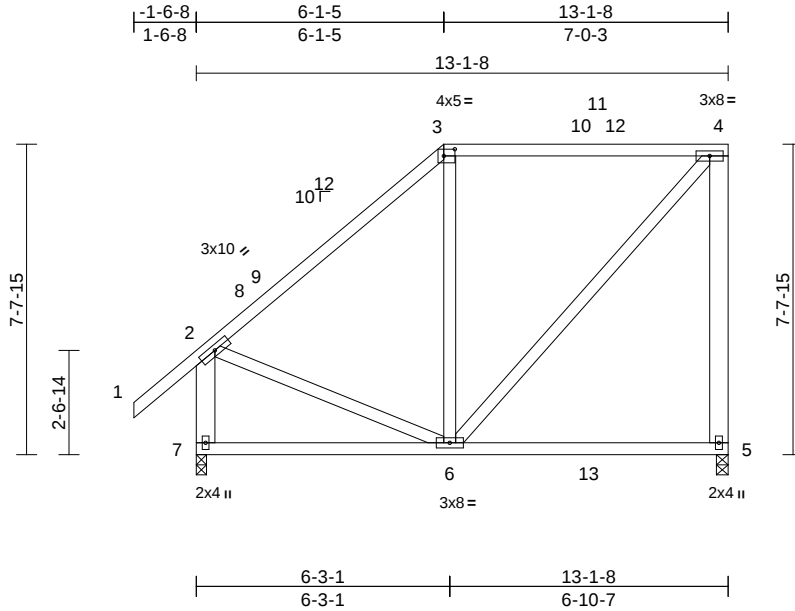
Job	Truss	Truss Type	Qty	Ply	
5240835	T33	Half Hip	1	1	T40110631
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Scale = 1:56.9

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.07	5-6	>999	240	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.12	5-6	>999	180	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.00	5	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 101 lb FT = 20%											

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except* 4-5,7-2:2x6 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 9-0-2 oc bracing.

REACTIONS

(size) 5=0-3-8, 7=0-3-0
 Max Horiz 7=298 (LC 9)
 Max Uplift 5=-213 (LC 9), 7=-156 (LC 12)
 Max Grav 5=574 (LC 2), 7=639 (LC 2)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/68, 2-3=-452/141, 3-4=-263/164, 4-5=-439/257, 2-7=-568/228
 BOT CHORD 6-7=-428/335, 5-6=-97/115
 WEBS 2-6=-102/289, 3-6=-169/141, 4-6=-227/391

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-10-13 to 3-10-13, Zone1 3-10-13 to 8-6-10, Zone2 8-6-10 to 12-9-8, Zone1 12-9-8 to 15-4-1 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 3-06-00 tall by 2-00-00 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 213 lb uplift at joint 5 and 156 lb uplift at joint 7.

LOAD CASE(S) Standard

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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:

February 12,2026

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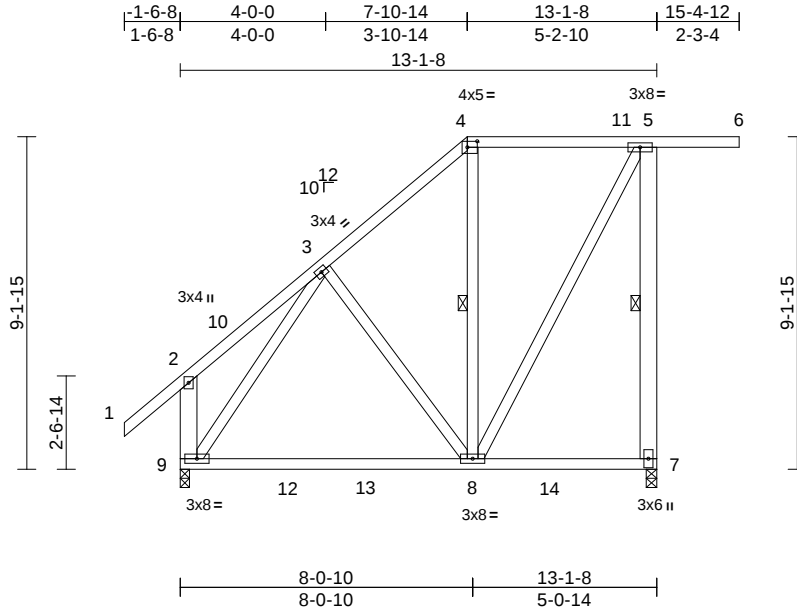
Job	Truss	Truss Type	Qty	Ply	
5240835	T34	Half Hip	1	1	
Job Reference (optional)					T40110632

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Scale = 1:63.5

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	-0.13	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.23	8-9	>675	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 121 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 5-7,9-2:2x6 SP No.2

BRACING

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

WEBS	1 Row at midpt	5-7, 4-8
------	----------------	----------

REACTIONS	(size)	7=0-3-8, 9=0-3-0
	Max Horiz	9=355 (LC 9)
	Max Uplift	7=-352 (LC 9), 9=-126 (LC 12)
	Max Grav	7=715 (LC 2), 9=663 (LC 22)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/68, 2-3=-177/142, 3-4=-379/170, 4-5=-231/166, 5-6=0/0, 5-7=-640/410, 2-9=-285/197
BOT CHORD	8-9=-327/373, 7-8=-122/138
WEBS	3-8=-141/206, 4-8=-102/124, 5-8=-254/485, 3-9=-437/73

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-10-13 to 3-10-13, Zone1 3-10-13 to 10-4-3, Zone2 10-4-3 to 14-7-2, Zone1 14-7-2 to 17-10-1 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 3-06-00 tall by 2-00-00 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 352 lb uplift at joint 7 and 126 lb uplift at joint 9.

LOAD CASE(S) Standard

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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:

February 12,2026

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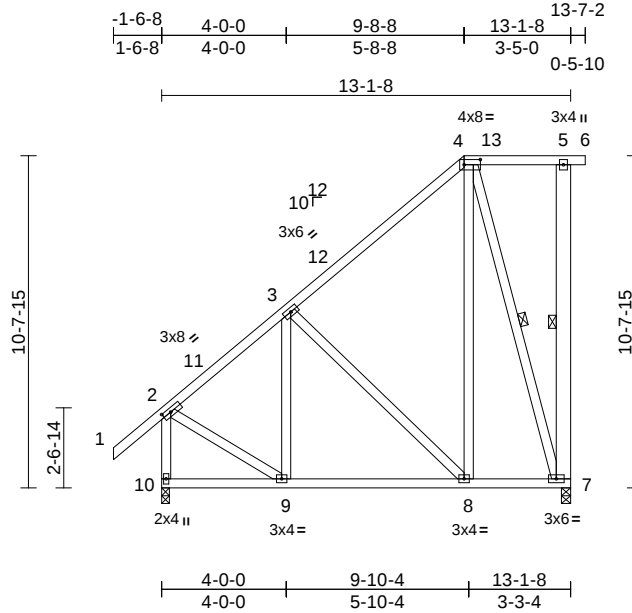
Job	Truss	Truss Type	Qty	Ply	
5240835	T35	Half Hip	1	1	
Job Reference (optional)					T40110633

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Scale = 1:73.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.03	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.06	8-9	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.35	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 130 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except* 5-7:2x6 SP No.2

BRACING

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

WEBS 1 Row at midpt 5-7, 4-7

REACTIONS (size) 7=0-3-8, 10=0-3-0
 Max Horiz 10=410 (LC 11)
 Max Uplift 7=-286 (LC 9), 10=-114 (LC 12)
 Max Grav 7=546 (LC 1), 10=618 (LC 25)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/65, 2-3=-412/132, 3-4=-332/176,
 4-5=-153/166, 5-6=0/0, 5-7=-139/99,
 2-10=-591/213

BOT CHORD 9-10=-511/376, 8-9=-364/436, 7-8=-196/251

WEBS 3-9=-87/94, 3-8=-281/235, 4-8=-147/310,
 4-7=-474/331, 2-9=-28/368

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-10-13 to 3-10-13, Zone1 3-10-13 to 12-1-13, Zone3 12-1-13 to 16-0-7 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 7 and 114 lb uplift at joint 10.

LOAD CASE(S) Standard

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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:

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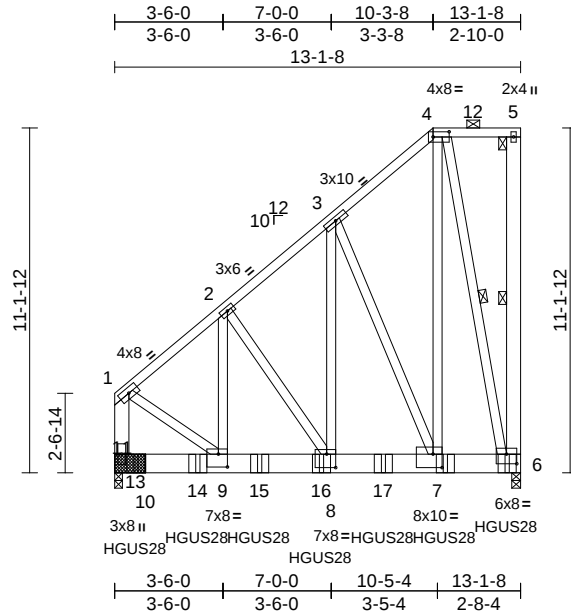
Job	Truss	Truss Type	Qty	Ply	
5240835	T36	Piggyback Base Girder	1	2	T40110634
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Scale = 1:74.5									
Plate Offsets (X, Y): [4:0-6-4,0-2-0], [6:0-4-0,0-3-12], [7:0-3-8,0-5-4], [8:0-3-8,0-5-4], [9:0-3-8,0-5-0]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.06	7-8	>999
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.10	7-8	>999
BCLL	0.0*	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.01	6	n/a
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS					
Weight: 349 lb FT = 20%									

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* 5-6,11-1:2x6 SP No.2

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

REACTIONS (size) 6=0-3-8, 11=(0-3-0 + bearing block), (req. 0-3-4)
Max Horiz 11=400 (LC 5)
Max Uplift 6=-1406 (LC 5), 11=-1215 (LC 8)
Max Grav 6=5716 (LC 2), 11=5508 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3390/699, 2-3=-2773/618, 3-4=-1249/345, 4-5=-144/107, 5-6=-100/74, 1-11=-3899/802
BOT CHORD 9-11=-405/327, 8-9=-752/2636, 7-8=-587/2132, 6-7=-308/959
WEBS 4-7=-1061/4289, 4-6=-3792/921, 1-9=-598/2942, 3-7=-3090/822, 2-9=-274/974, 2-8=-878/304, 3-8=-817/3648

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: 2x8 - 2 rows staggered at 0-7-0 oc.
Web 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.
- 2x8 SP 2400F 2.0E bearing block 12" long at jt. 11 attached to each face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SP No.2.
- 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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone; end vertical 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1406 lb uplift at joint 6 and 1215 lb uplift at joint 11.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Use Simpson Strong-Tie HGUS28 (36-10d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-1-9 from the left end to 15-1-9 to connect truss(es) to back face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-4=-60, 4-5=-60, 6-11=-20
Concentrated Loads (lb)
Vert: 6=-1357 (B), 7=-1339 (B), 13=-1353 (B), 14=-1339 (B), 15=-1339 (B), 16=-1339 (B), 17=-1339 (B)

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Date:

February 12,2026

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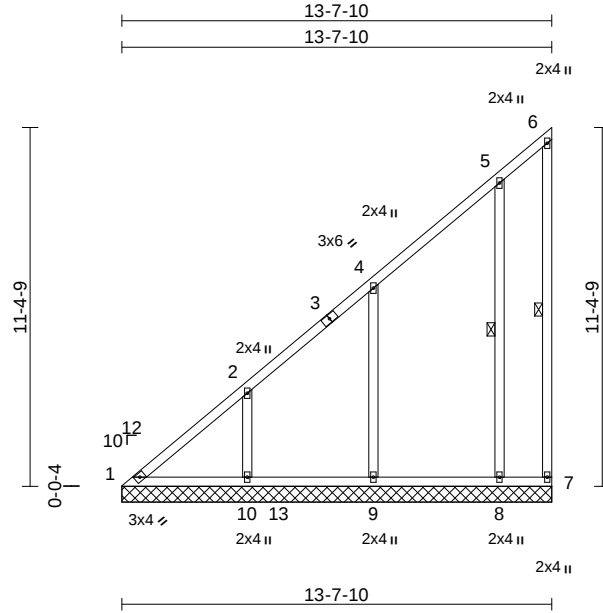
Job	Truss	Truss Type	Qty	Ply	
5240835	V01	Valley	1	1	T40110635
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Scale = 1:73.1

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(TL)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.21	Horiz(TL)	0.00	10	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 89 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-7, 5-8

REACTIONS

(size)	1=13-7-10, 7=13-7-10, 8=13-7-10, 9=13-7-10, 10=13-7-10
Max Horiz	1=427 (LC 12)
Max Uplift	1=-22 (LC 10), 7=-8 (LC 12), 8=-164 (LC 12), 9=-213 (LC 12), 10=-199 (LC 12)
Max Grav	1=258 (LC 12), 7=8 (LC 1), 8=379 (LC 19), 9=479 (LC 19), 10=464 (LC 19)

FORCES

(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=-584/303, 2-4=-396/207, 4-5=-183/106, 5-6=-53/5, 6-7=-9/11
BOT CHORD	1-10=-127/141, 9-10=0/0, 8-9=0/0, 7-8=0/0
WEBS	2-10=-278/266, 4-9=-278/299, 5-8=-221/229

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.

- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 oc.
 - 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 3-06-00 tall by 2-00-00 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 8 lb uplift at joint 7, 22 lb uplift at joint 1, 199 lb uplift at joint 10, 213 lb uplift at joint 9 and 164 lb uplift at joint 8.
- LOAD CASE(S)** Standard

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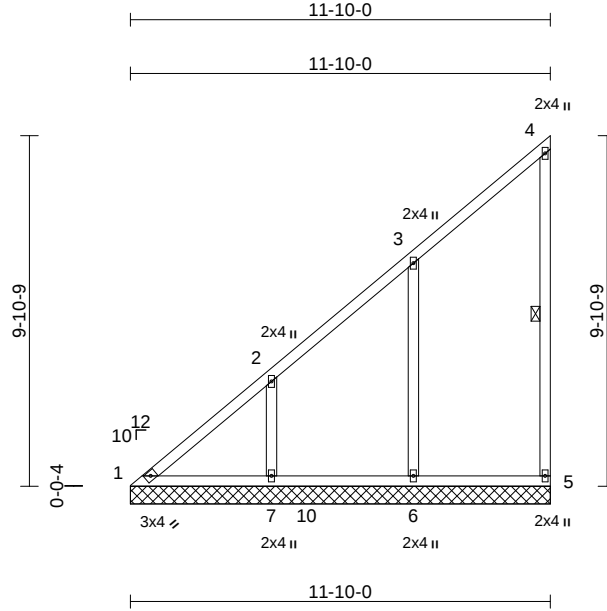
Job	Truss	Truss Type	Qty	Ply	
5240835	V02	Valley	1	1	T40110636
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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Scale = 1:64.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.22	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 67 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 10'-0" oc bracing.	
WEBS	1 Row at midpt	4-5

REACTIONS	(size)	1=11-10-0, 5=11-10-0, 6=11-10-0, 7=11-10-0
	Max Horiz	1=370 (LC 12)
	Max Uplift	1=-4 (LC 10), 5=-77 (LC 12), 6=-214 (LC 12), 7=-203 (LC 12)
	Max Grav	1=225 (LC 21), 5=178 (LC 19), 6=489 (LC 19), 7=464 (LC 19)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=-530/269, 2-3=-326/168, 3-4=-105/51, 4-5=-101/115
BOT CHORD	1-7=-134/142, 6-7=-2/3, 5-6=-2/3
WEBS	2-7=-278/292, 3-6=-284/331

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 4'-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'-06"-00 tall by 2'-00"-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 5, 4 lb uplift at joint 1, 203 lb uplift at joint 7 and 214 lb uplift at joint 6.

LOAD CASE(S) Standard

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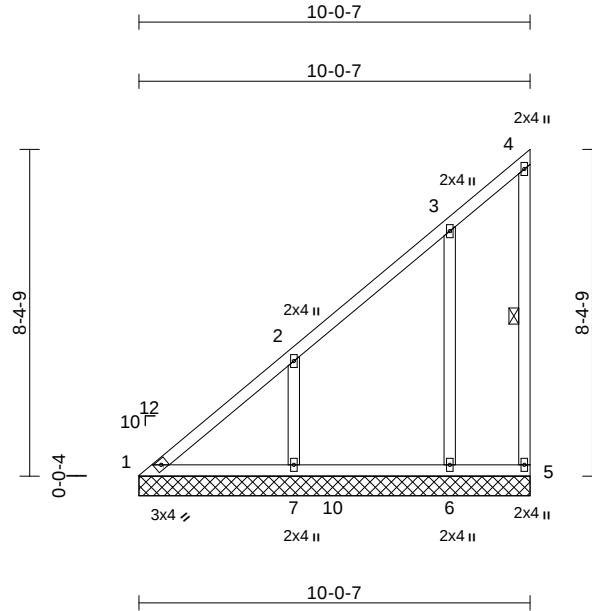
Job	Truss	Truss Type	Qty	Ply	
5240835	V03	Valley	1	1	T40110637
Job Reference (optional)					

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Scale = 1:59.1

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(TL)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horiz(TL)	0.00	5	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 58 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 4-5

REACTIONS

(size)	1=10-0-7, 5=10-0-7, 6=10-0-7, 7=10-0-7
Max Horiz	1=312 (LC 12)
Max Uplift	5=-24 (LC 12), 6=-169 (LC 12), 7=-216 (LC 12)
Max Grav	1=197 (LC 21), 5=42 (LC 19), 6=369 (LC 19), 7=487 (LC 19)

FORCES

(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=-474/238, 2-3=-239/124, 3-4=-56/15, 4-5=-31/37
BOT CHORD	1-7=-137/135, 6-7=0/0, 5-6=0/0
WEBS	2-7=-291/340, 3-6=-224/288

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 4-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 5, 216 lb uplift at joint 7 and 169 lb uplift at joint 6.

LOAD CASE(S) Standard

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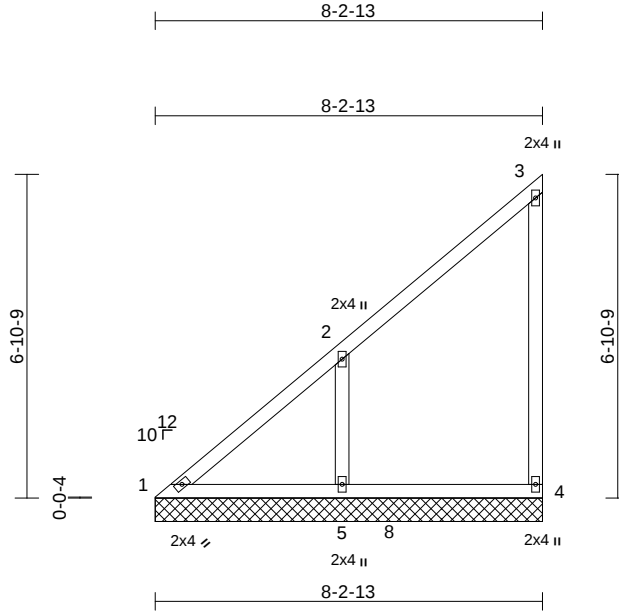
Job	Truss	Truss Type	Qty	Ply	
5240835	V04	Valley	1	1	T40110638
Job Reference (optional)					

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Scale = 1:49

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	n/a	-	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(TL)	n/a	-	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horiz(TL)	0.00	4	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP						Weight: 41 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS	(size)	1=8-2-13, 4=8-2-13, 5=8-2-13
	Max Horiz	1=254 (LC 12)
	Max Uplift	4=-82 (LC 12), 5=-241 (LC 12)
	Max Grav	1=169 (LC 21), 4=187 (LC 19), 5=536 (LC 19)

FORCES

	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=-411/205, 2-3=-121/61, 3-4=-109/154
BOT CHORD	1-5=-138/125, 4-5=0/0
WEBS	2-5=-322/427

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.

- 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 3-06-00 tall by 2-00-00 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 82 lb uplift at joint 4 and 241 lb uplift at joint 5.

LOAD CASE(S) Standard

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February 12,2026

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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)

MiTek®

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

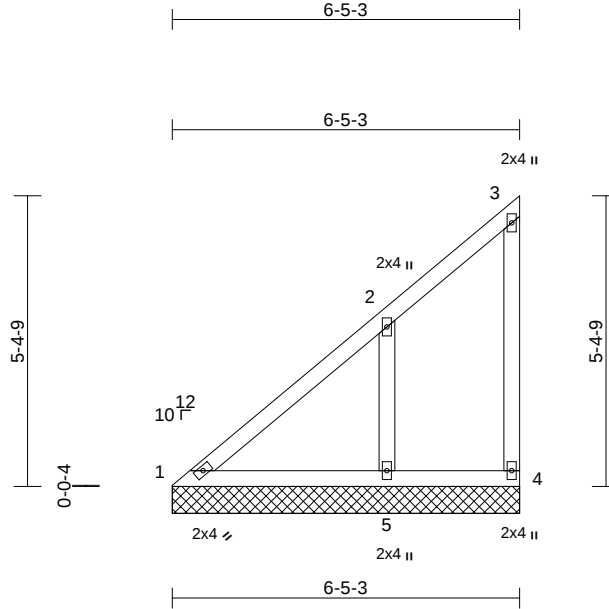
Job	Truss	Truss Type	Qty	Ply	
5240835	V05	Valley	1	1	T40110639
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:31

Page: 1

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Scale = 1:42.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(TL)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	4	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 32 lb FT = 20%

LUMBER

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

BRACING

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

REACTIONS	(size)	1=6-5-3, 4=6-5-3, 5=6-5-3
	Max Horiz	1=196 (LC 12)
	Max Uplift	4=-31 (LC 12), 5=-196 (LC 12)
	Max Grav	1=141 (LC 21), 4=47 (LC 19), 5=359 (LC 19)

FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=-306/153, 2-3=-70/26, 3-4=-45/77
BOT CHORD	1-5=-160/131, 4-5=0/0
WEBS	2-5=-246/355

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4'-0-0 oc.

- 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'-06-00 tall by 2'-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 4 and 196 lb uplift at joint 5.

LOAD CASE(S) Standard

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:

February 12,2026

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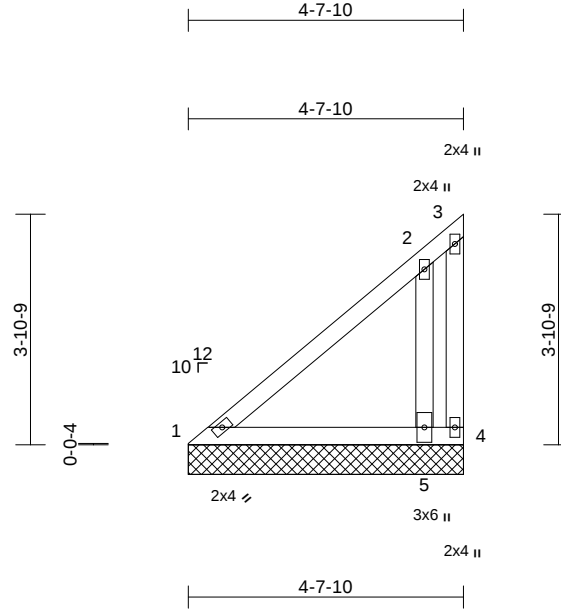
Job	Truss	Truss Type	Qty	Ply	
5240835	V06	Valley	1	1	T40110640
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:32

Page: 1

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Scale = 1:38.8

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(TL)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horiz(TL)	0.00	4	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 24 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-7-10 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS	(size)	1=4-7-10, 4=4-7-10, 5=4-7-10
	Max Horiz	1=138 (LC 12)
	Max Uplift	4=-247 (LC 19), 5=-263 (LC 12)
	Max Grav	1=127 (LC 1), 4=124 (LC 12), 5=500 (LC 19)

FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=-185/100, 2-3=-95/105, 3-4=-165/123
BOT CHORD	1-5=-160/128, 4-5=0/0
WEBS	2-5=-290/422

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=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) 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
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.

- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 247 lb uplift at joint 4 and 263 lb uplift at joint 5.
- LOAD CASE(S)** Standard

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.

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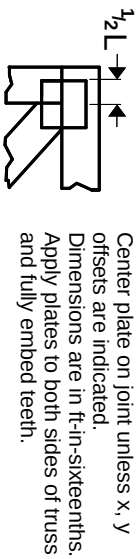
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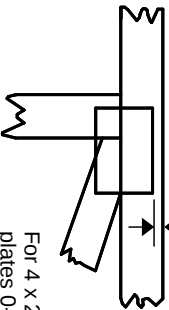
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Symbols

PLATE LOCATION AND ORIENTATION



0- $\frac{1}{16}$ "



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.

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

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

PLATE SIZE

4 X 4

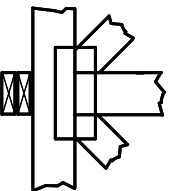
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

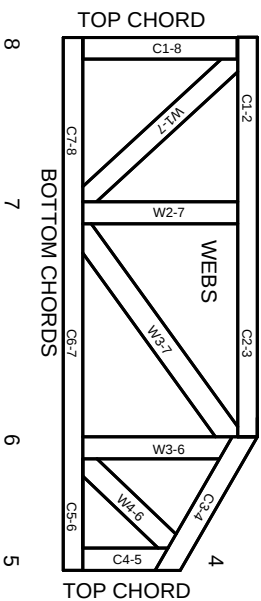
Industry Standards:

ANSI/TP1.1: 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

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)

1 2 3 Joint ID typ.



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/TP1 1 section 6.3. These truss designs rely on lumber values established by others.

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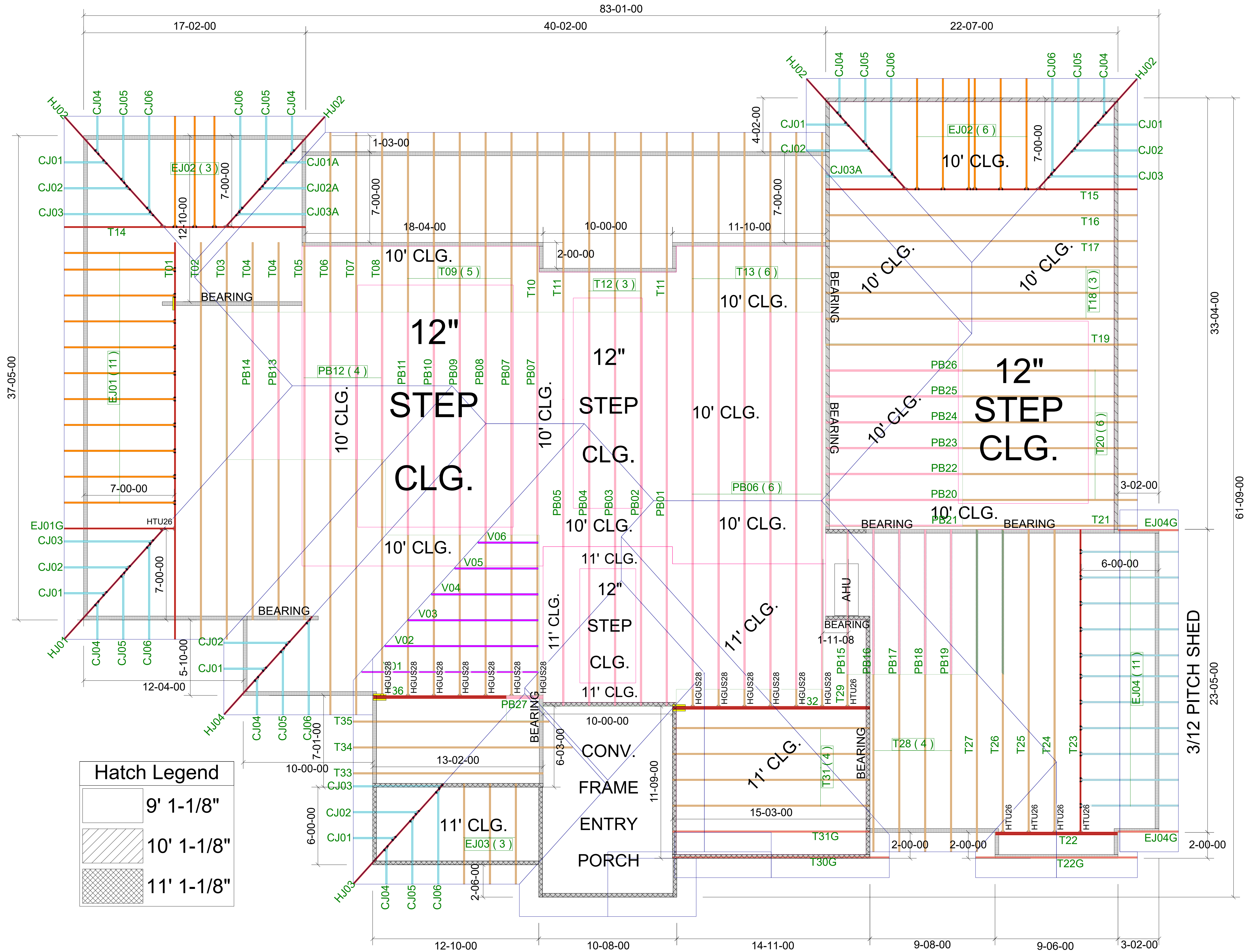
MITek Engineering Reference Sheet: MIL-7473 rev. 1/12/2023

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 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/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.

9/12 - 10/12 PITCH - 18" 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:
TCLL: 20.0 lb/ft²
TCDL: 10.0 lb/ft²
BCLL: 0.0 lb/ft²
BCDL: 10.0 lb/ft²
DURATION: 1.25

FLOOR LOADING:
TCLL: 40.0 lb/ft²
TCDL: 10.0 lb/ft²
BCLL: 0.0 lb/ft²
BCDL: 5.0 lb/ft²
DURATION: 1.00

5 PSF TCDL + 5 PSF BCDL USED TO RESIST UPLIFT
WIND_ASCE_HYBRID_22
ENCLOSED
EXPOSURE CATEGORY SuburbanAreas
OCCUPANCY CATEGORY
WIND LOAD 130 mph
WIND IMPORTANCE FACTOR 1.00

ROOF PITCH: 9/12-10/12
CEILING PITCH: FLAT
TOP CHORD SIZE: 2 X 4
BOTTOM CHORD SIZE: 2 X 4
OVERHANG LENGTH: 18"
END CUT: PLUMB
CANTILEVER: N/A
TRUSS SPACING: 24"
BUILDING CODE:FBC 2023

BEARING HEIGHT SCHEDULE	

BUILDER: JOHN F CRAWFORD HOMES	
MODEL:	CUSTOM
ELEV:	HIP
ADDRESS:	TBD
LOT / BLOCK:	N/A
SUBDIVISION:	REYES RES.
CITY:	Lake City
DRAWN BY:	Holloway, Kim
JOB # :	5240835
DATE: 2/11/2026	SCALE: N.T.S.

REVISIONS:	



Summations of limited excerpts of the Code, ANSI/TPI 1-2014, and BCSI, and associated commentary, are provided within the truss submittal package in the Builders FirstSource Component Truss Responsibility and Liability Disclosure. These critical excerpts include, among other elements, critical safety information as well as specific Scope-of-Work assignments (and limitations of the same) for the Owner, Contractor, Building Designer, Truss Designer, and Truss Manufacturer. It is essential that ALL parties to the design and use of the Trusses review and become familiar with the information provided in the Builders FirstSource Component Truss Responsibility and Liability Disclosure, as well as the referenced sources, prior to performing work on the associated project.