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.

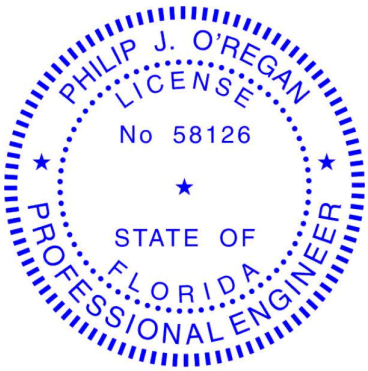
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T40110551	CJ01	2/12/26	15	T40110565	EJ04G	2/12/26
2	T40110552	CJ01A	2/12/26	16	T40110566	HJ01	2/12/26
3	T40110553	CJ02	2/12/26	17	T40110567	HJ02	2/12/26
4	T40110554	CJ02A	2/12/26	18	T40110568	HJ03	2/12/26
5	T40110555	CJ03	2/12/26	19	T40110569	HJ04	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.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

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

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

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

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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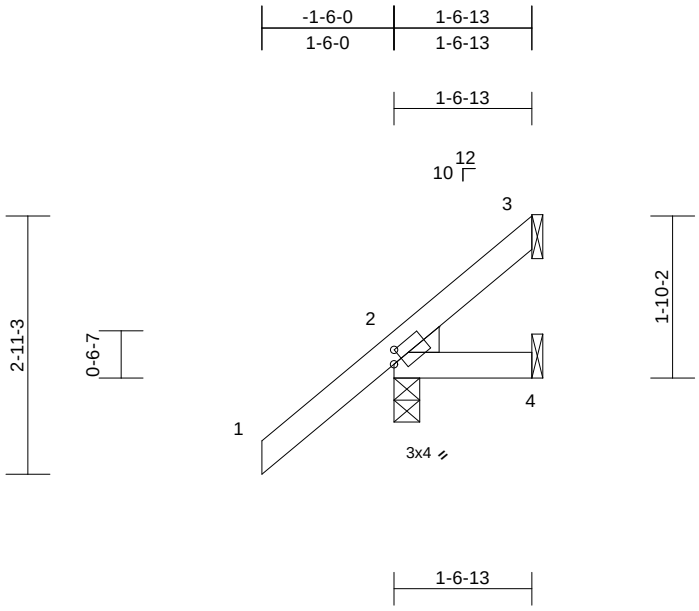

Scale = 1:26.2

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

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.
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

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

MiTek®
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,

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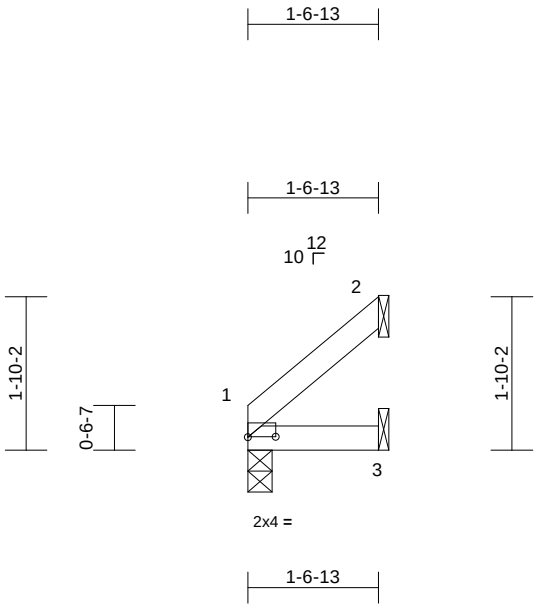

Scale = 1:27.6

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.

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

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

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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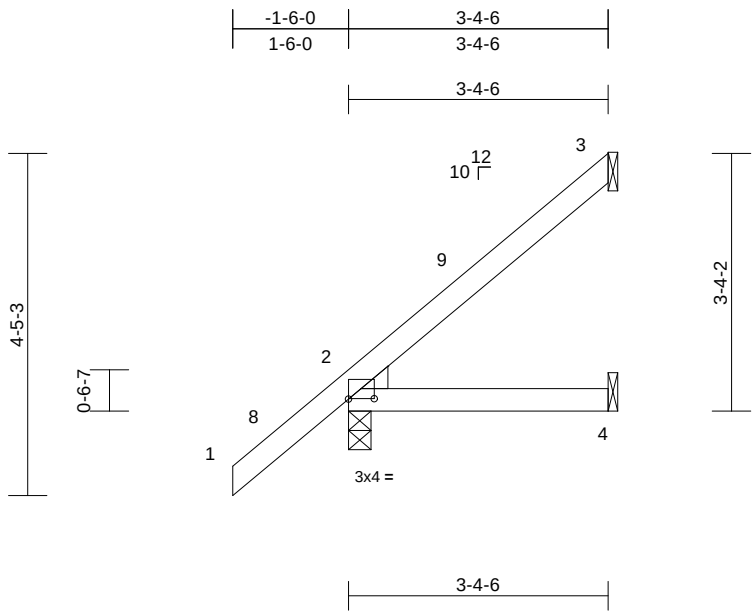

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Plate Offsets (X, Y): [2:0-4-0,0-0-1]

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

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.
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

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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:

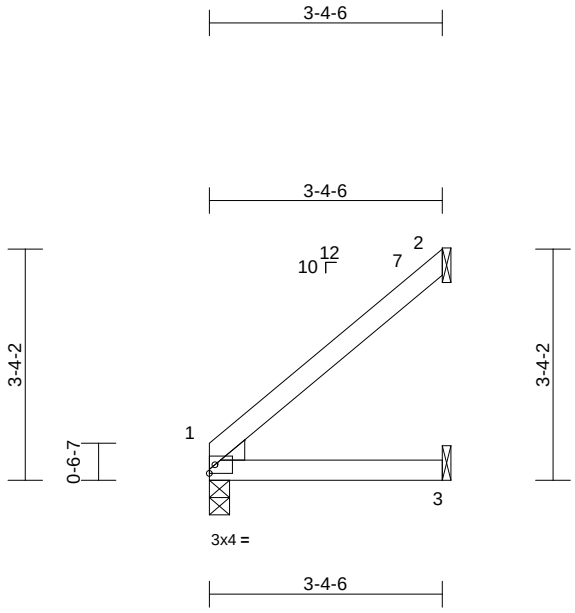
February 12,2026

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

Job	Truss	Truss Type	Qty	Ply	
5240835	CJ02A	Jack-Open	1	1	T40110554 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 ID:jhptJp7vfldPoT_KBZHWCdzmVJF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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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	0.19	Vert(LL)	0.01	3-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.01	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: 12 lb	FT = 20%

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

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.
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.

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

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,

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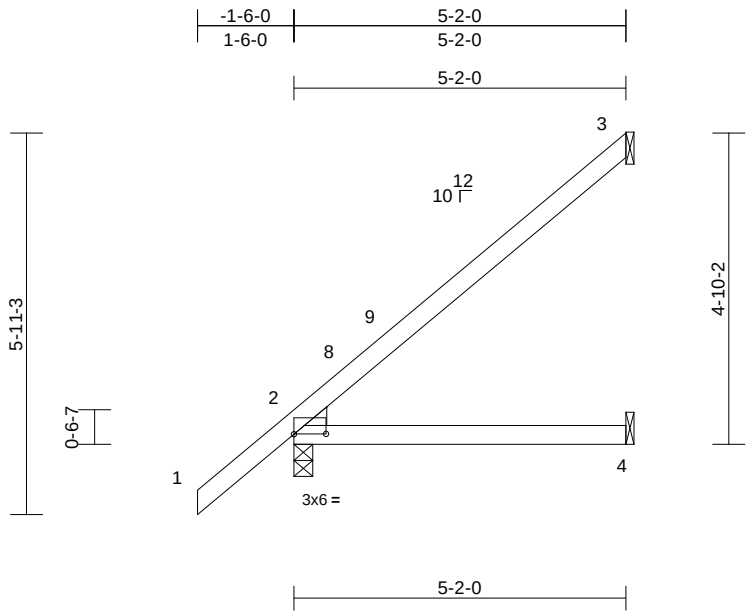

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Plate Offsets (X, Y): [2:0-6-0,0-0-1]

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.07	4-7	>890	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: 21 lb	FT = 20%

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

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.
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

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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

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

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

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

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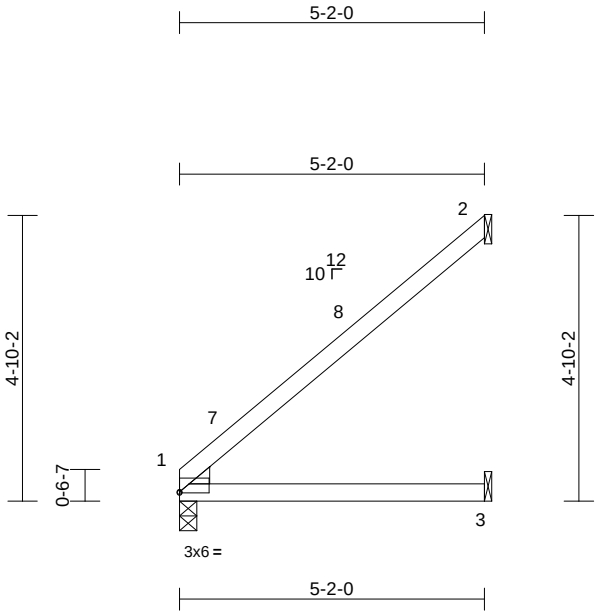

Scale = 1:39

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

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.
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.

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Job	Truss	Truss Type	Qty	Ply	
5240835	CJ04	Jack-Open	7	1	T40110557
					Job Reference (optional)

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

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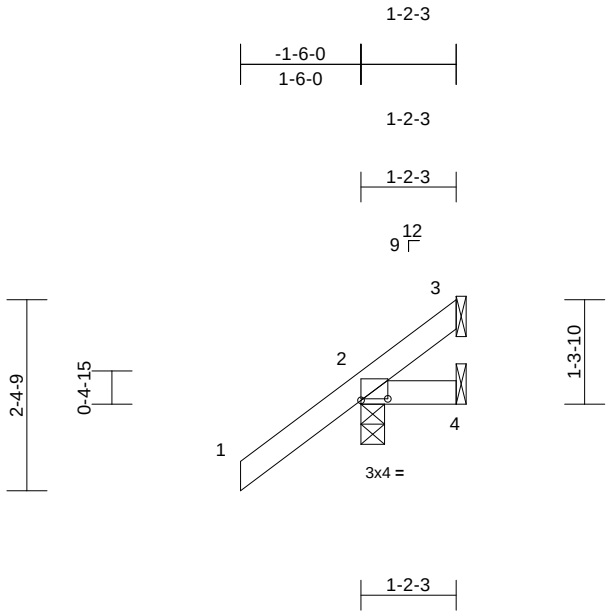

Scale = 1:28.7

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

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	0.22	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: 7 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-2-3 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=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)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-147/70
BOT CHORD 2-4=-73/135

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.
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.

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

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

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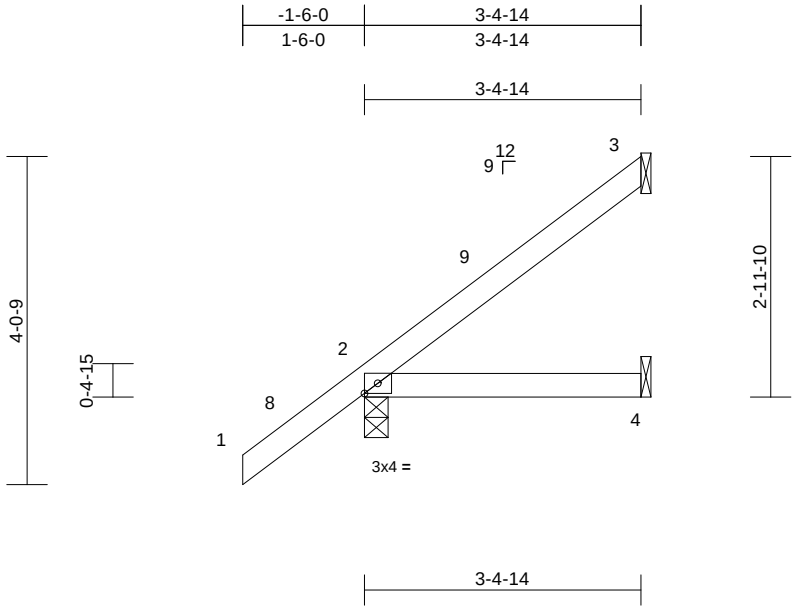

Scale = 1:28.4

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,

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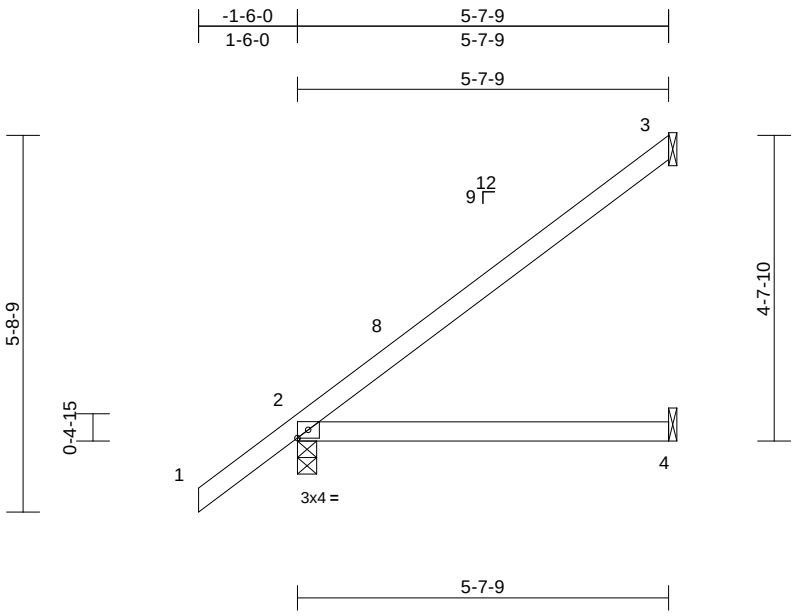

Scale = 1:34.9

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

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

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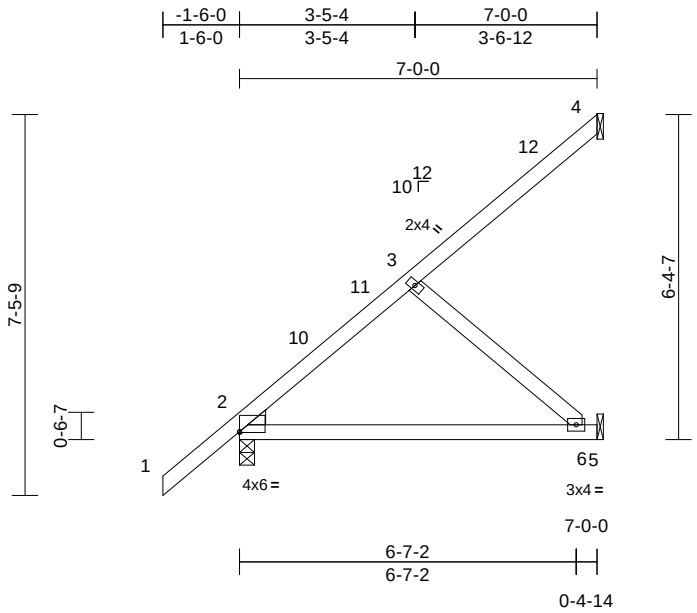

Scale = 1:45.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.08	6-9	>990	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.17	6-9	>492	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							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
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 6-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 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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Job	Truss	Truss Type	Qty	Ply	
5240835	EJ01G	Jack-Closed Girder	1	1	T40110561 Job Reference (optional)

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

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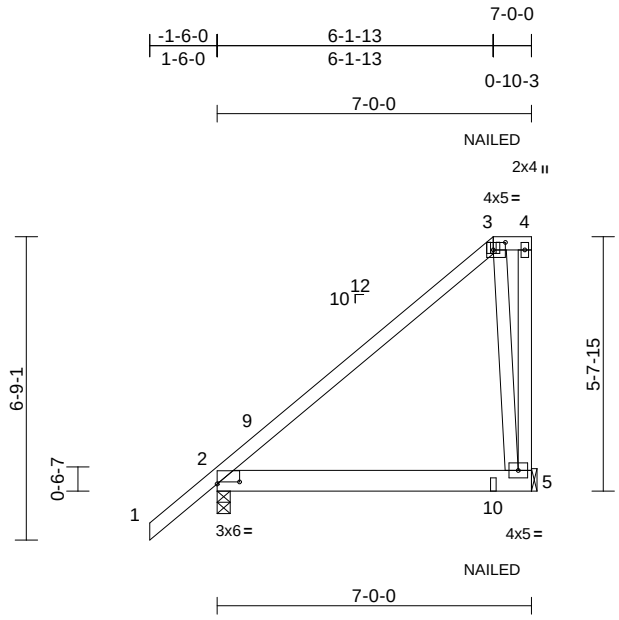

Scale = 1:51.3

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.10	5-8	>806	180		
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
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 517 lb uplift at joint 5 and 91 lb uplift at joint 2.
9) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
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: 1-3=-60, 3-4=-60, 5-6=-20
Concentrated Loads (lb)
Vert: 3=-131 (F), 10=-290 (F)

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Job	Truss	Truss Type	Qty	Ply	
5240835	EJ02	Jack-Partial	9	1	T40110562 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 09:44:07 Page: 1
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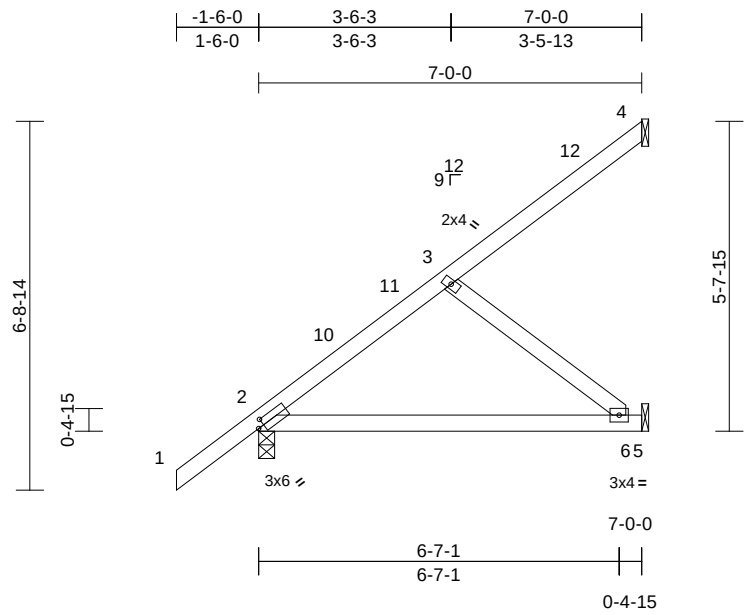

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Plate Offsets (X, Y): [2:0-1-6,0-1-8]

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.16	6-9	>514	180		
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

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
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 6-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 60 lb uplift at joint 4, 55 lb uplift at joint 2 and 79 lb uplift at joint 5.

LOAD CASE(S) Standard

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Date:

February 12,2026

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Job	Truss	Truss Type	Qty	Ply	
5240835	EJ03	Monopitch	3	1	T40110563
					Job Reference (optional)

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

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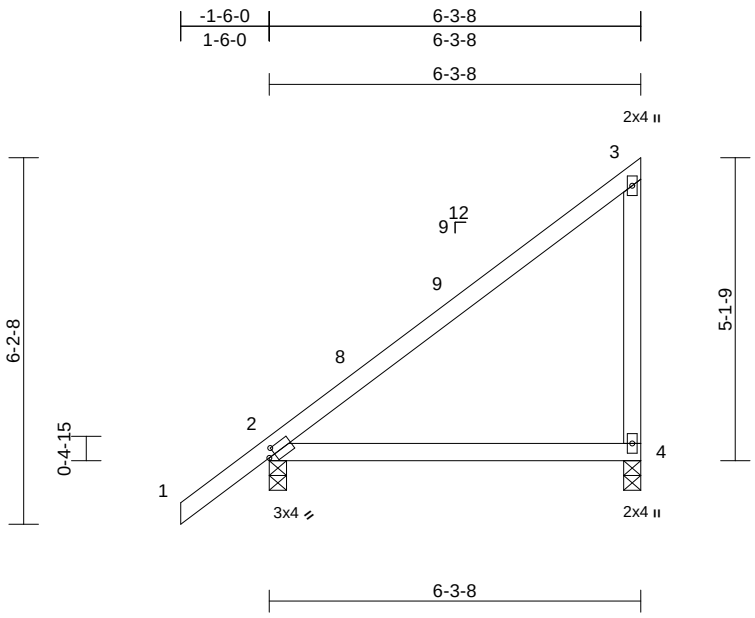

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Plate Offsets (X, Y): [2:0-1-6,0-1-8]

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

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
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 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
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.
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

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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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Page: 1

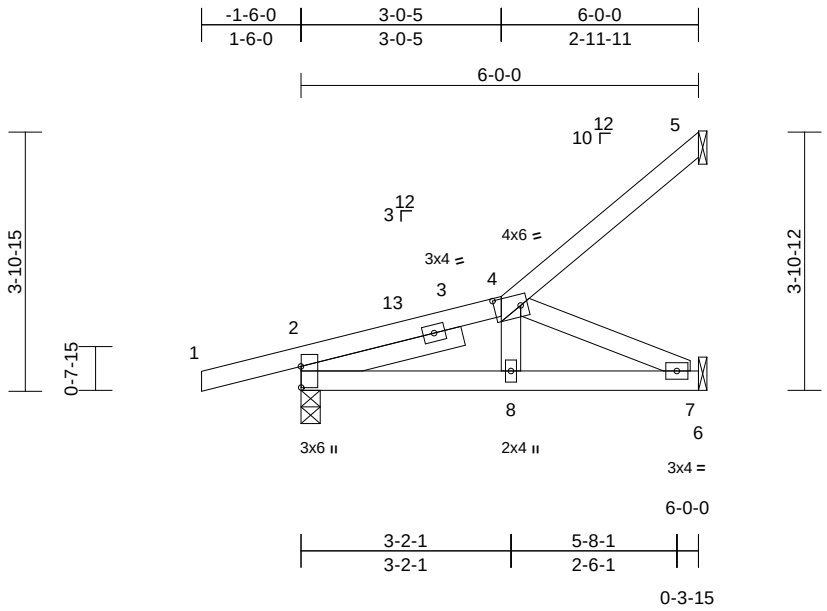

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Plate Offsets (X, Y): [2:0-3-13,0-0-1], [4:0-4-12,0-2-0]

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

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 5-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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.
6) Refer to girder(s) for truss to truss connections.
7) 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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Date:

February 12,2026

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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,

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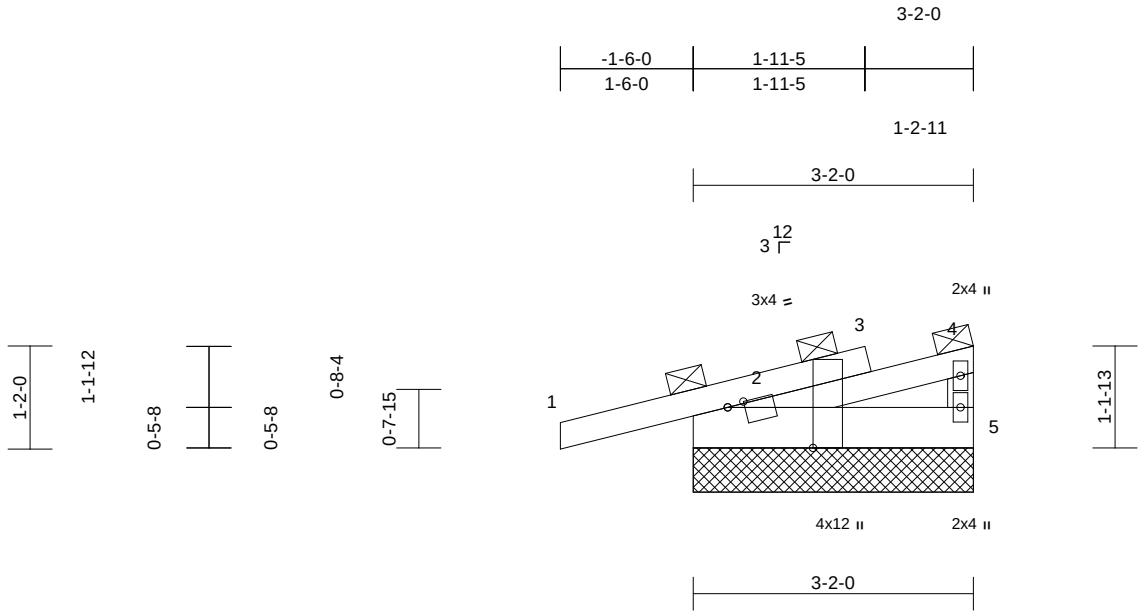

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Plate Offsets (X, Y): [2:0-5-8,Edge], [2:0-2-4,0-0-4]

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	n/a	-	n/a	999		
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
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 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 170 lb uplift at joint 2 and 2 lb uplift at joint 5.
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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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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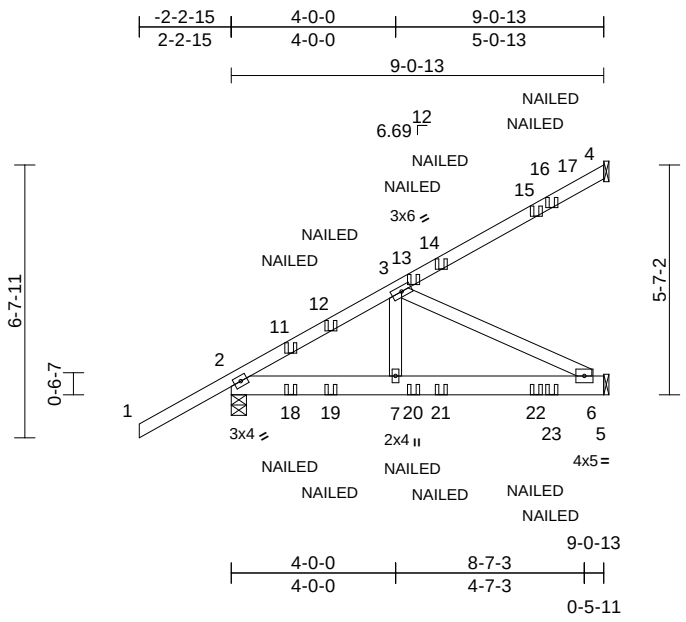

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.03	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.03	6-7	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	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 guidlines.
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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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,

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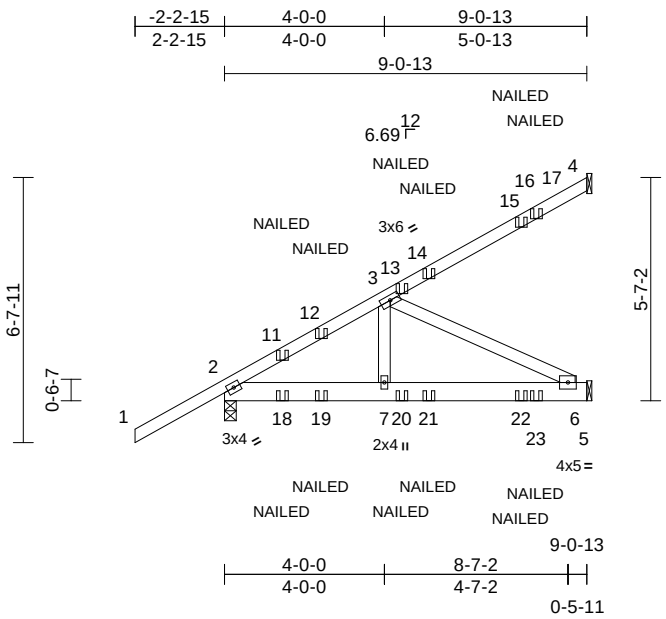

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.03	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.03	6-7	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	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=0-3-8, 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 guidlines.
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)

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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,

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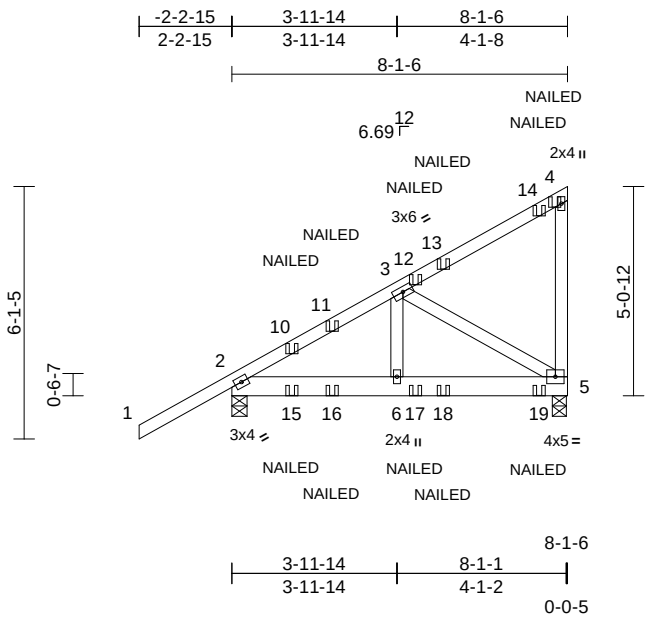

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	0.01	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	5-6	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	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) 2=0-4-6, 5=0-4-1
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
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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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.
6) 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.
7) "NAILED" indicates 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
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, 5-7=-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
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

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,

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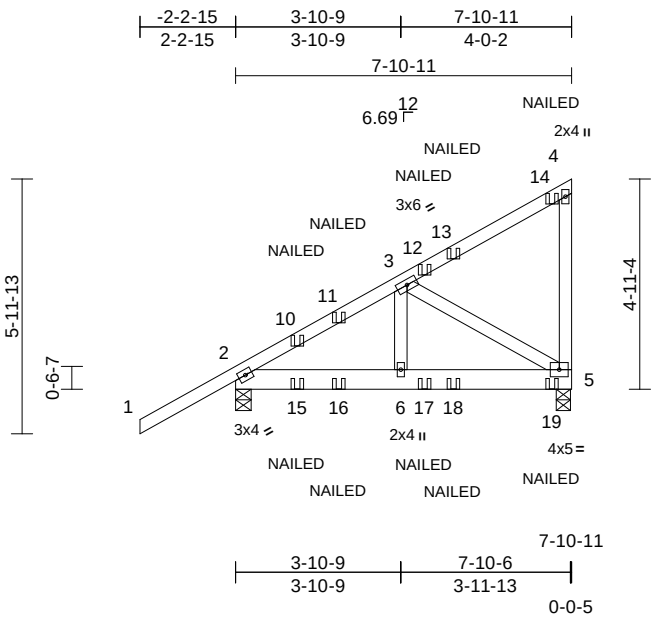

Scale = 1:54.1

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
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) 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.
6) 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.
7) "NAILED" indicates 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
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, 5-7=-20
Concentrated Loads (lb)
Vert: 13=-2 (B), 14=-88 (F), 17=-5 (F), 18=-6 (B), 19=-50 (F)

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Date:

February 12,2026

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	PB01	Piggyback	1	1	T40110570 Job Reference (optional)

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

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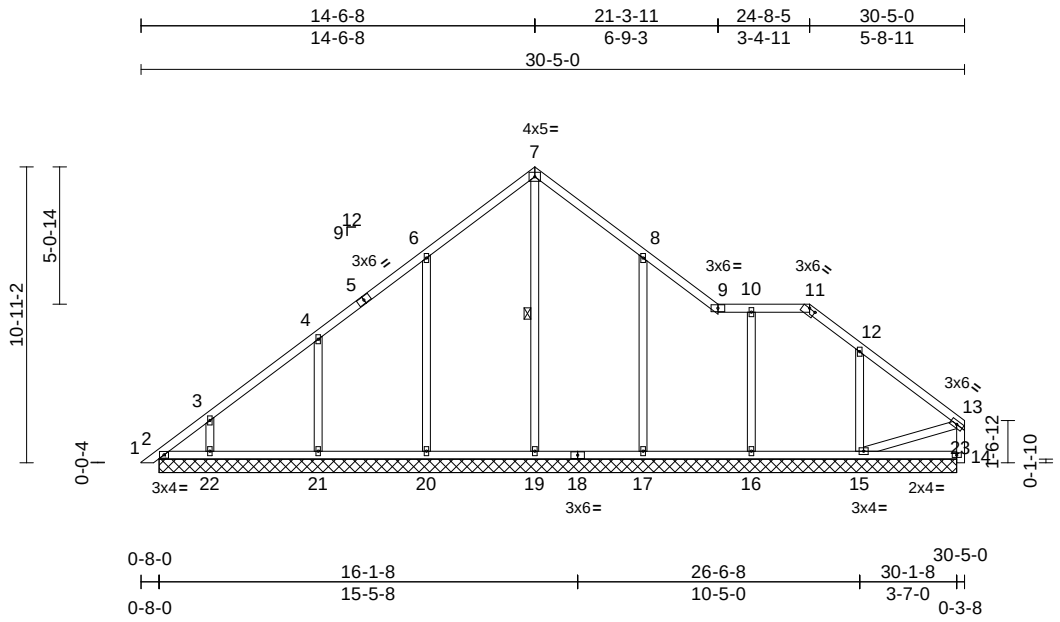

Scale = 1:85.1

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	MT20	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

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
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

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) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 (||) MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 4-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) 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.
12) 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:

February 12,2026

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	
5240835	PB02	Piggyback	1	1	T40110571
					Job Reference (optional)

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

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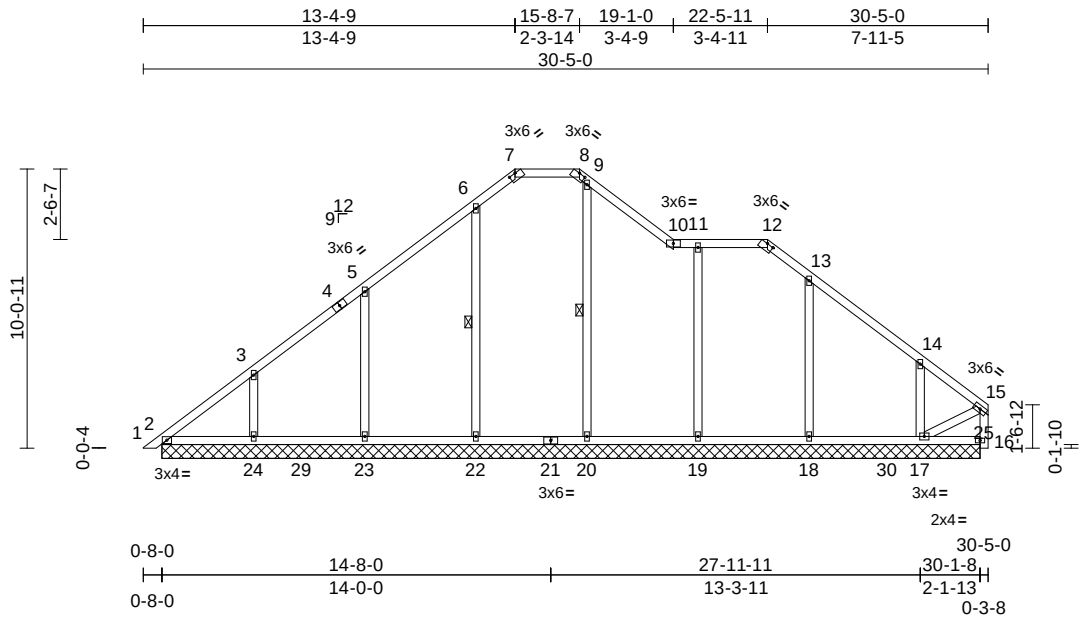

Scale = 1:83

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	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	0.25	Horz(CT)	0.01	16	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 164 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 6-22, 9-20

REACTIONS (size) 2=29-5-8, 16=29-5-8, 17=29-5-8, 18=29-5-8, 19=29-5-8, 20=29-5-8, 22=29-5-8, 23=29-5-8, 24=29-5-8, 25=29-5-8
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
WEBS 3-24=-257/195, 5-23=-273/224, 6-22=-237/141, 9-20=-208/54, 11-19=-260/162, 13-18=-246/203, 14-17=-238/184, 15-17=-141/277

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) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 (||) MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 4-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) 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.
12) 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:

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,

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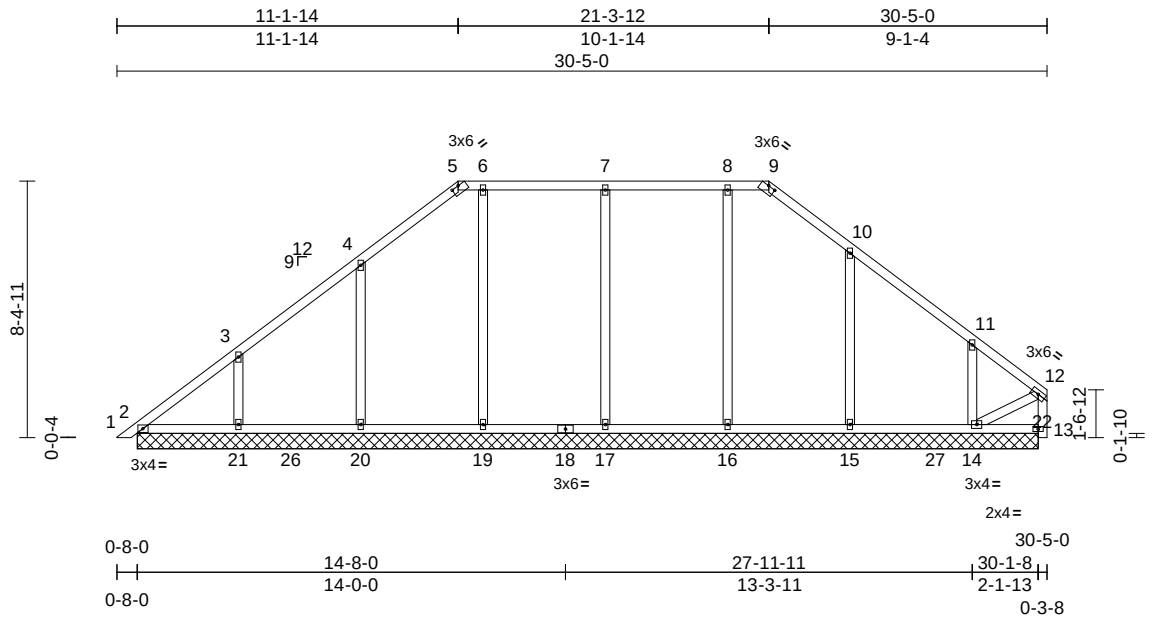

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Plate Offsets (X, Y): [5:0-3-0,0-0-1], [9:0-3-0,0-0-1]

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	MT20	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

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=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 Horiz 2=198 (LC 9)
Max Uplift 2=-20 (LC 8), 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
WEBS	3-21=-258/200, 4-20=-267/205, 6-19=-215/110, 7-17=-256/140, 8-16=-216/93, 10-15=-256/187, 11-14=-236/190, 12-14=-62/178

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) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 (||) MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 4-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) 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.
12) 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®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	PB04	Piggyback	1	1	T40110573 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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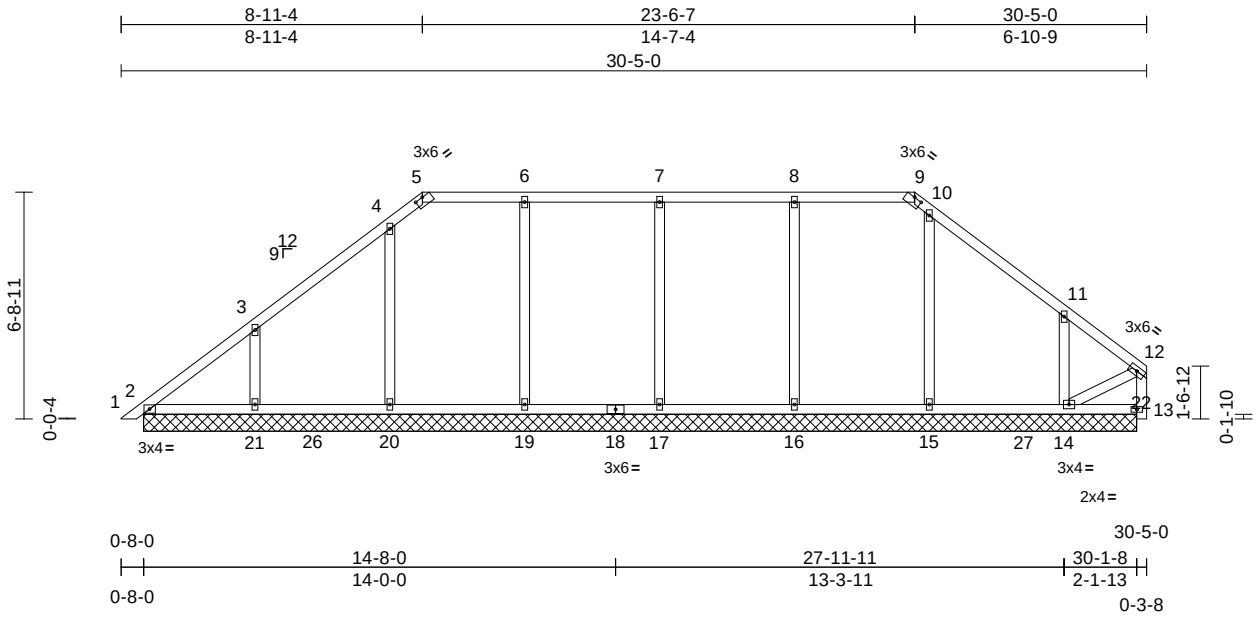

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Plate Offsets (X, Y): [5:0-3-0,0-0-1], [9:0-3-0,0-0-1]

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	0.16	Vert(LL)	n/a	-	n/a	999	MT20	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	0.19	Horz(CT)	0.01	13	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 151 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=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 Horiz 2=156 (LC 9)
Max Uplift 2=-35 (LC 8), 13=-58 (LC 11), 14=-256 (LC 13), 15=-85 (LC 13), 16=-105 (LC 9), 17=-99 (LC 8), 19=-92 (LC 9), 20=-116 (LC 12), 21=-203 (LC 12)
Max Grav 2=186 (LC 21), 13=170 (LC 22), 14=408 (LC 20), 15=400 (LC 20), 16=404 (LC 27), 17=402 (LC 2), 19=397 (LC 28), 20=423 (LC 19), 21=426 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-209/151, 3-4=-133/96, 4-5=-113/67, 5-6=-47/57, 6-7=-47/57, 7-8=-47/57, 8-9=-47/57, 9-10=-111/75, 10-11=-127/60, 11-12=-160/107, 13-22=0/0, 12-13=-151/72
BOT CHORD 2-21=-75/143, 20-21=-75/143, 19-20=-75/143, 17-19=-75/143, 16-17=-75/143, 15-16=-75/143, 14-15=-75/143, 13-14=-1/5
WEBS 3-21=-267/212, 4-20=-227/143, 6-19=-237/116, 7-17=-242/123, 8-16=-247/129, 10-15=-215/110, 11-14=-249/202, 12-14=-85/160

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) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 (||) MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 4-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 2, 203 lb uplift at joint 21, 116 lb uplift at joint 20, 92 lb uplift at joint 19, 99 lb uplift at joint 17, 105 lb uplift at joint 16, 85 lb uplift at joint 15, 256 lb uplift at joint 14, 58 lb uplift at joint 13 and 35 lb uplift at joint 2.
12) 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

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

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 Page: 1
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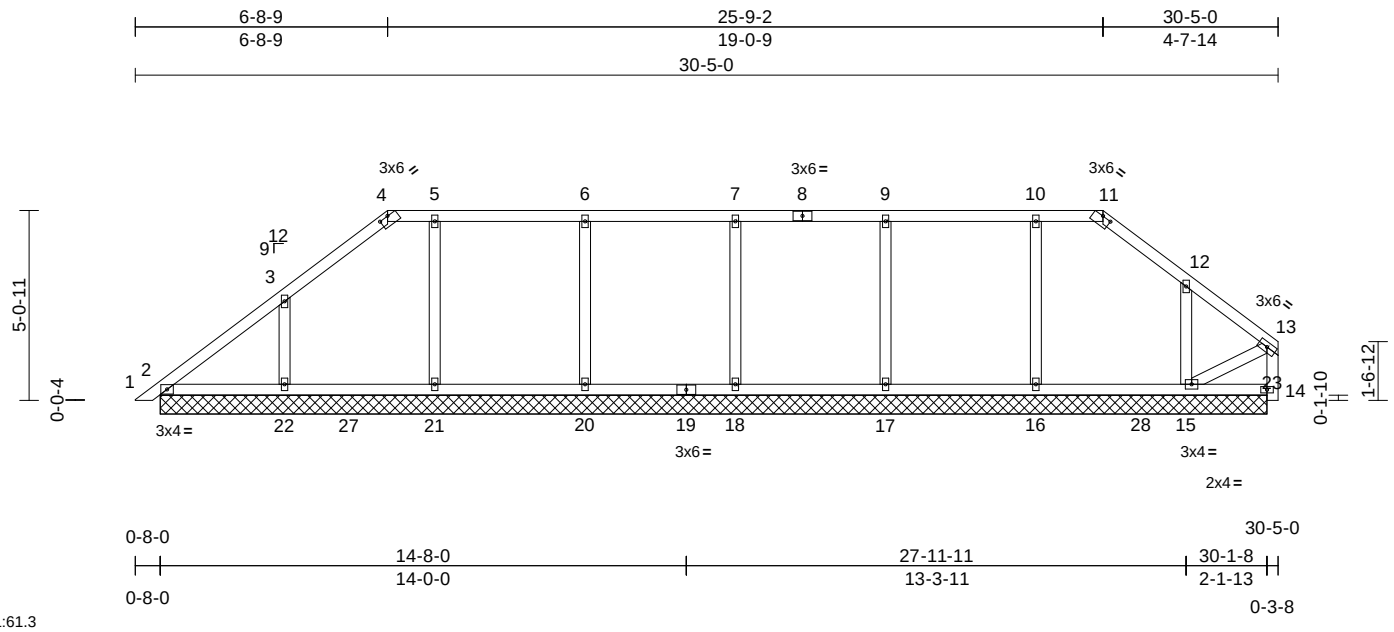

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Plate Offsets (X, Y): [4:0-3-0,0-0-1], [11:0-3-0,0-0-1]

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	MT20	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) 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 Horiz 2=115 (LC 9)
Max Uplift 2=-6 (LC 8), 14=-13 (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
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) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 (||) MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 4-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) 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.
12) 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

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

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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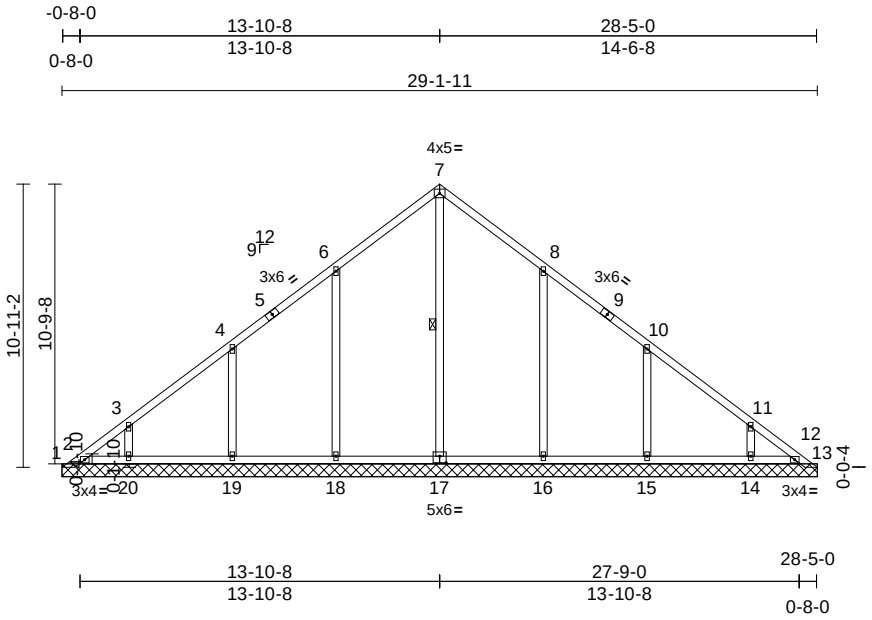

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Plate Offsets (X, Y): [17:0-3-0,0-3-0]

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
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.
WEBS 1 Row at midpt 7-17

REACTIONS (size) 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
Max Horiz 1=-265 (LC 8)
Max Uplift 1=-173 (LC 8), 2=-30 (LC 11), 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)
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)

FORCES (lb) - Maximum Compression/Maximum Tension
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
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
WEBS 7-17=-216/37, 6-18=-283/221, 4-19=-268/210, 3-20=-230/181, 8-16=-283/220, 10-15=-268/211, 11-14=-230/182

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) All plates are 2x4 (||) MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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

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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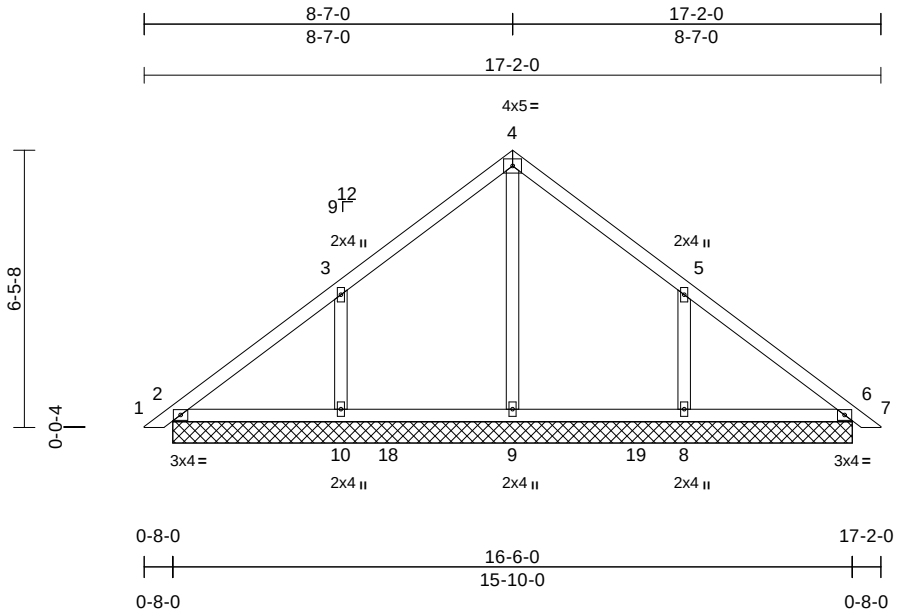

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.10	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
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 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.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

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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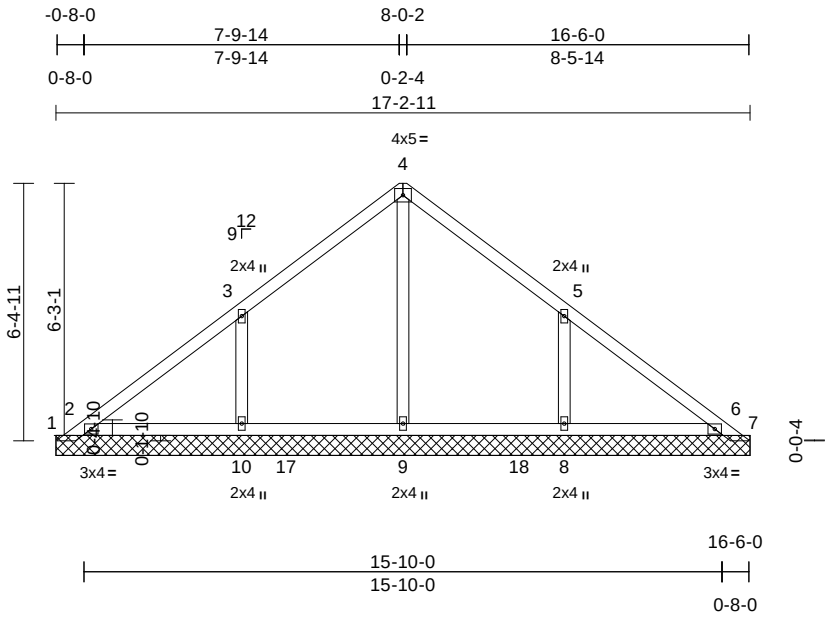

Scale = 1:57.2

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
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 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.
10) 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

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

Job	Truss	Truss Type	Qty	Ply	
5240835	PB09	Piggyback	1	1	T40110578
					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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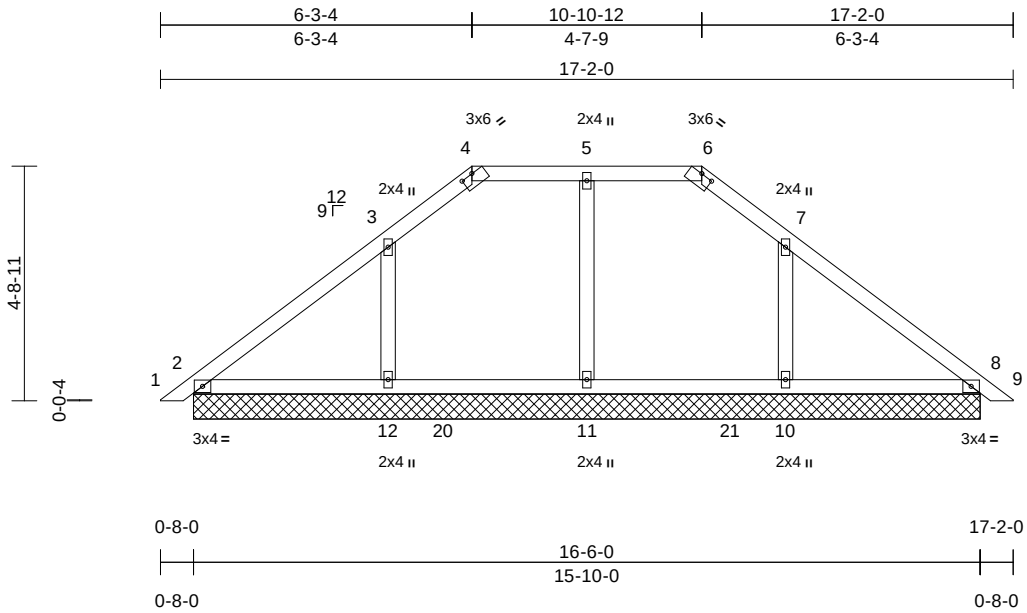

Scale = 1:46.4

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

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	0.14	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	0.07	Horz(CT)	0.00	8	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
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=-113 (LC 10)
Max Uplift 2=-16 (LC 8), 8=-9 (LC 9), 10=-170 (LC 13), 11=-63 (LC 9), 12=-173 (LC 12)
Max Grav 2=215 (LC 1), 8=215 (LC 1), 10=430 (LC 20), 11=339 (LC 28), 12=433 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-156/87, 3-4=-154/83, 4-5=-78/76, 5-6=-78/76, 6-7=-154/83, 7-8=-152/74, 8-9=0/16
BOT CHORD 2-12=-61/132, 11-12=-61/132, 10-11=-61/132, 8-10=-61/132
WEBS 5-11=-176/87, 3-12=-245/180, 7-10=-242/180

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) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 2, 9 lb uplift at joint 8, 63 lb uplift at joint 11, 173 lb uplift at joint 12, 170 lb uplift at joint 10, 16 lb uplift at joint 2 and 9 lb uplift at joint 8.
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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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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Chesterfield, MO 63017
314.434.1200 / MiTek-US.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,

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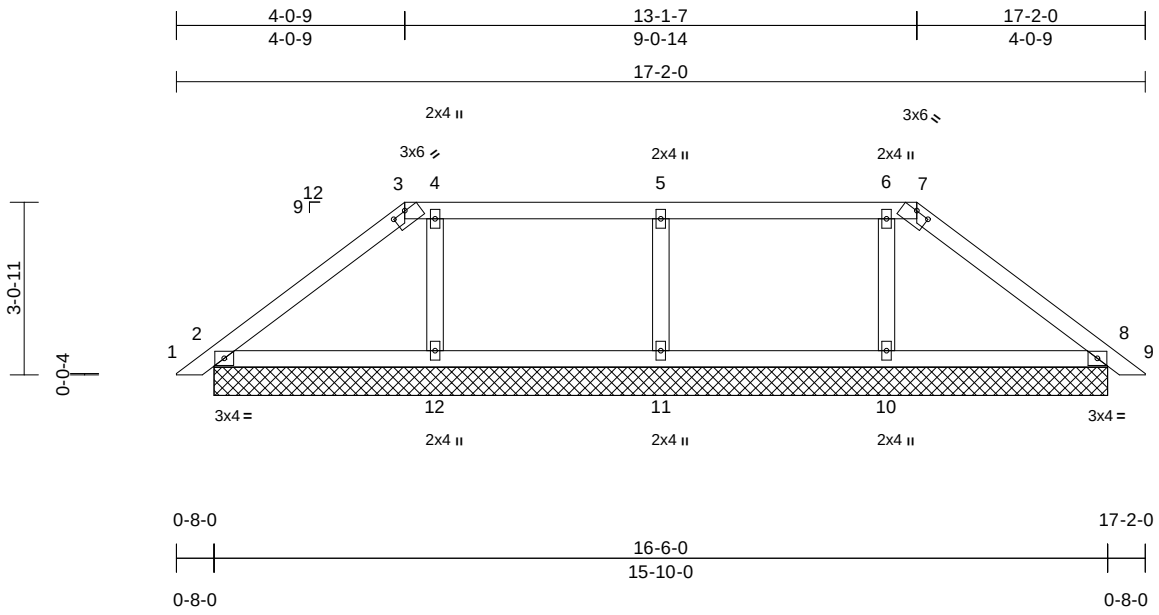

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Plate Offsets (X, Y): [3:0-3-0,0-0-1], [7:0-3-0,0-0-1]

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	n/a	999		
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
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) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 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.
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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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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,

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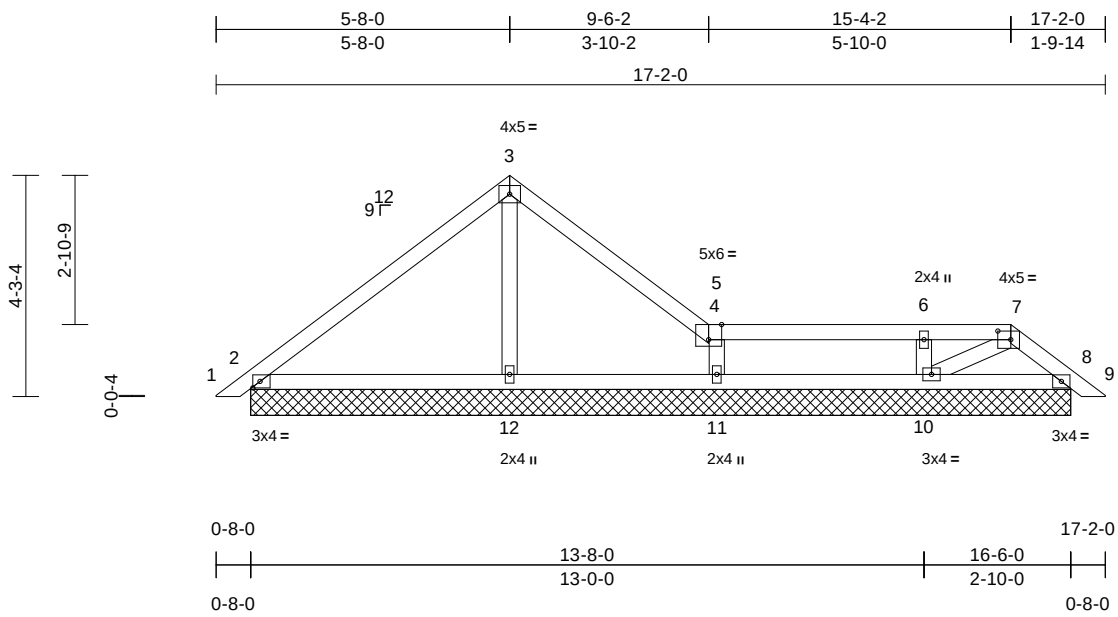

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Plate Offsets (X, Y): [2:0-1-11,0-1-8], [4:0-3-0,Edge], [7:0-3-0,0-2-0]

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	n/a	-	n/a	999		
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
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) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 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.
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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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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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	PB12	Piggyback	4	1	T40110581 Job Reference (optional)

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

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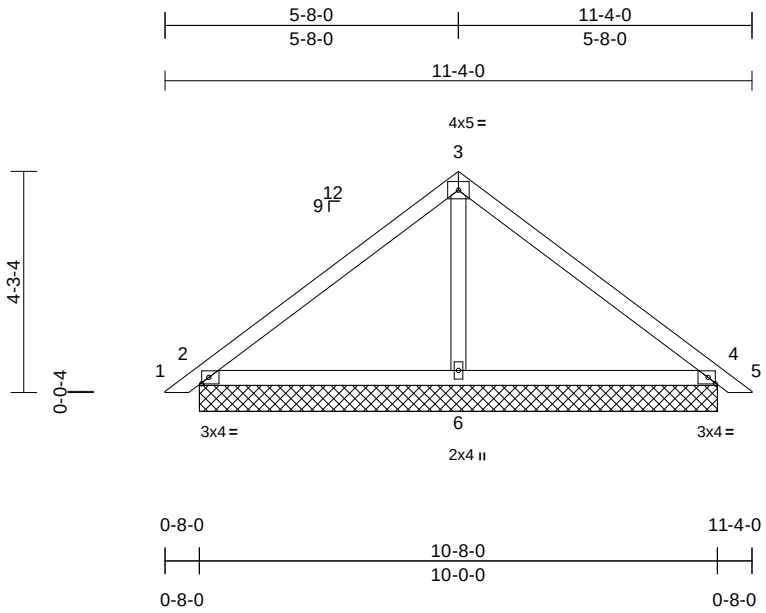

Scale = 1:44.5

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	n/a	-	n/a	999		
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
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.
9) 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.
10) 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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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314.434.1200 / MiTek-US.com

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

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

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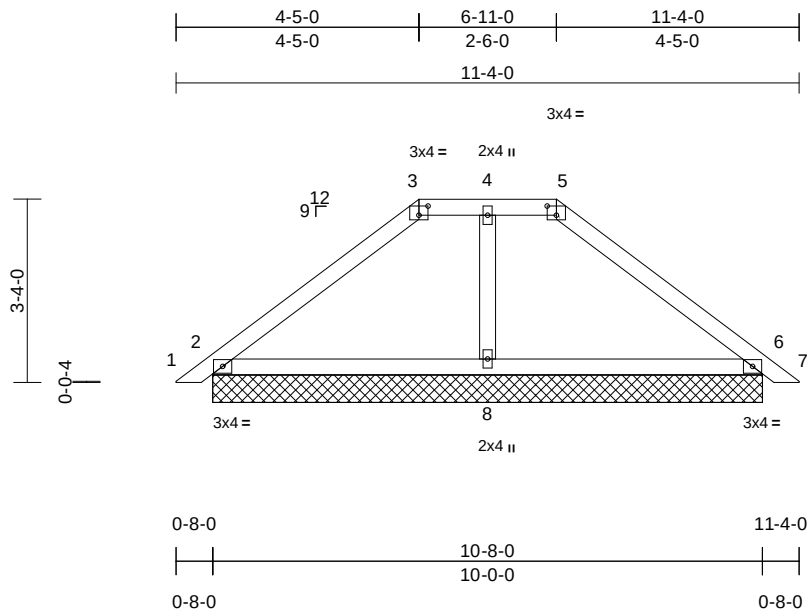

Scale = 1:41.9

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	n/a	-	n/a	999		
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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 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
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) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 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.
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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Date:

February 12,2026

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Job	Truss	Truss Type	Qty	Ply	
5240835	PB14	Piggyback	1	1	T40110583 Job Reference (optional)

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

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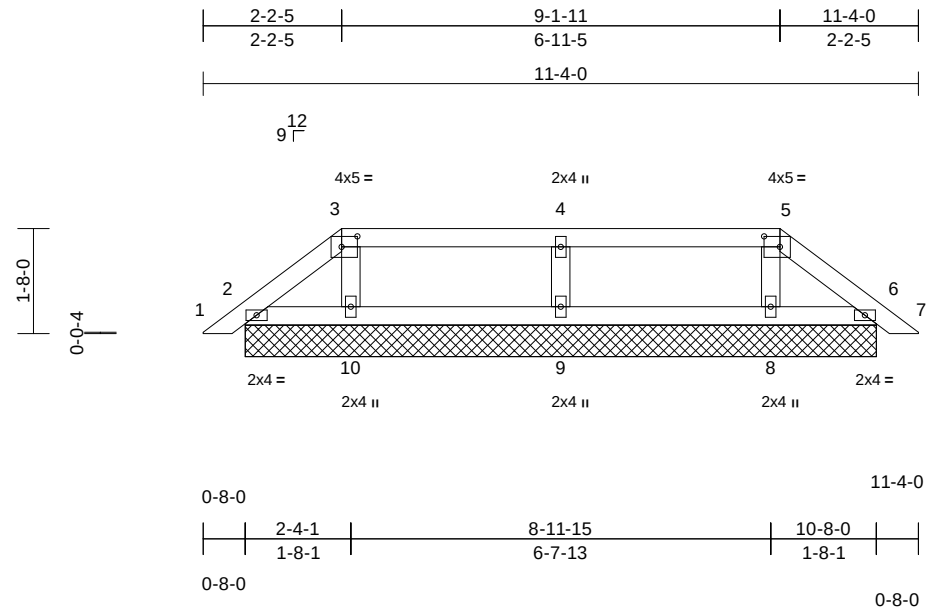

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Plate Offsets (X, Y): [3:0-3-0,0-2-0], [5:0-3-0,0-2-0]

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999		
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 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 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

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) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 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.
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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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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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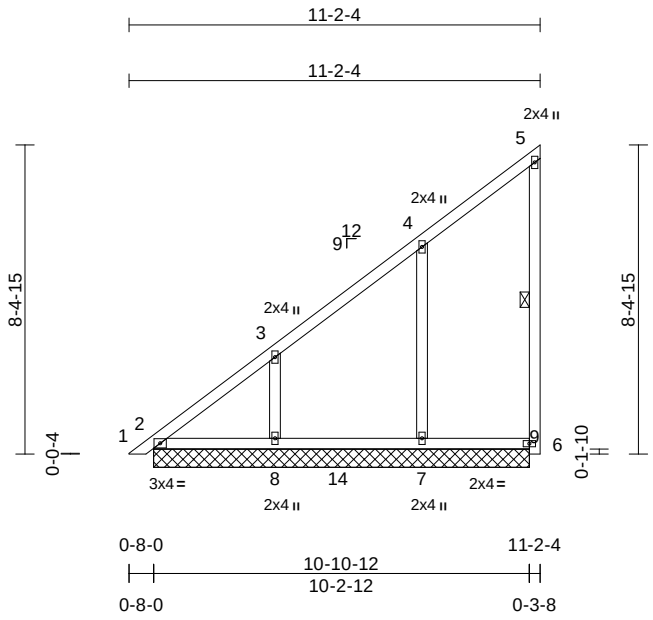

Scale = 1:62.7

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999		
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 6-0-0 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=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

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 55 lb uplift at joint 6, 195 lb uplift at joint 8 and 174 lb uplift at joint 7.
10) 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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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

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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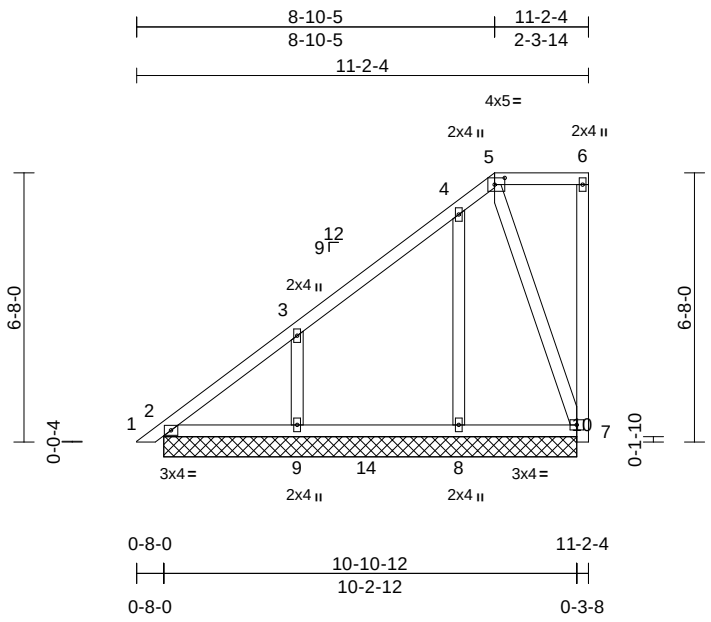

Scale = 1:57

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	n/a	999		
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
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) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 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.
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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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

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

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

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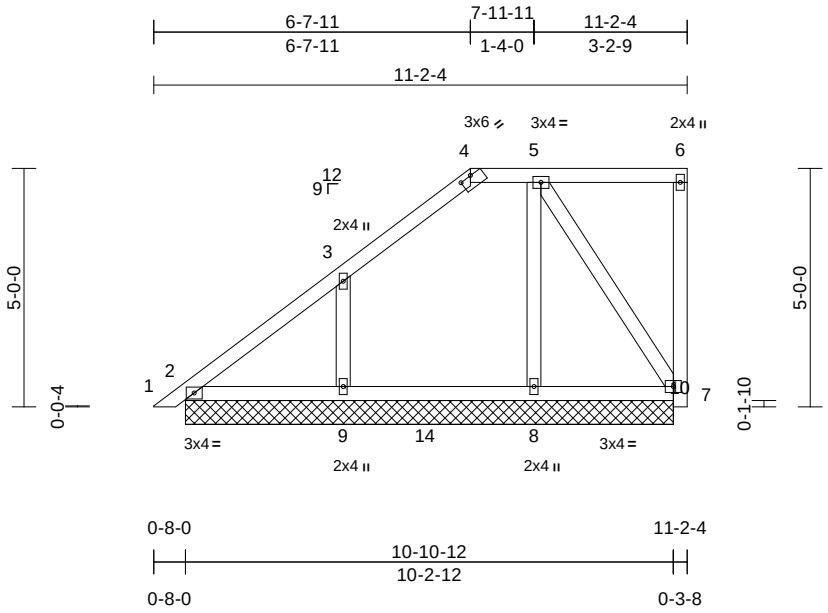

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Plate Offsets (X, Y): [4:0-3-0,0-0-1]

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	n/a	999		
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 6-0-0 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=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

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) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 7, 172 lb uplift at joint 9 and 70 lb uplift at joint 8.
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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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

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

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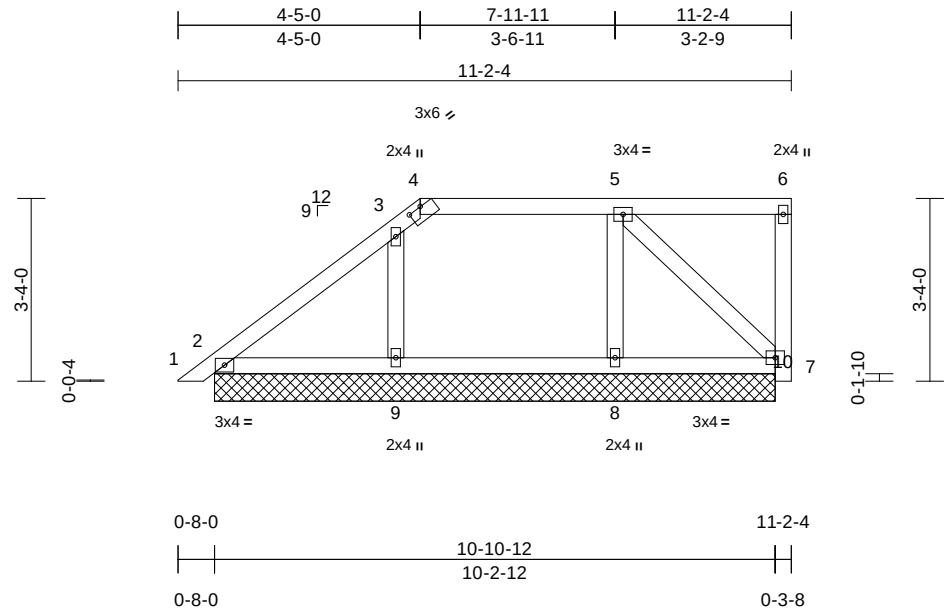

Scale = 1:42

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	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: 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

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) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 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.
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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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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 Page: 1
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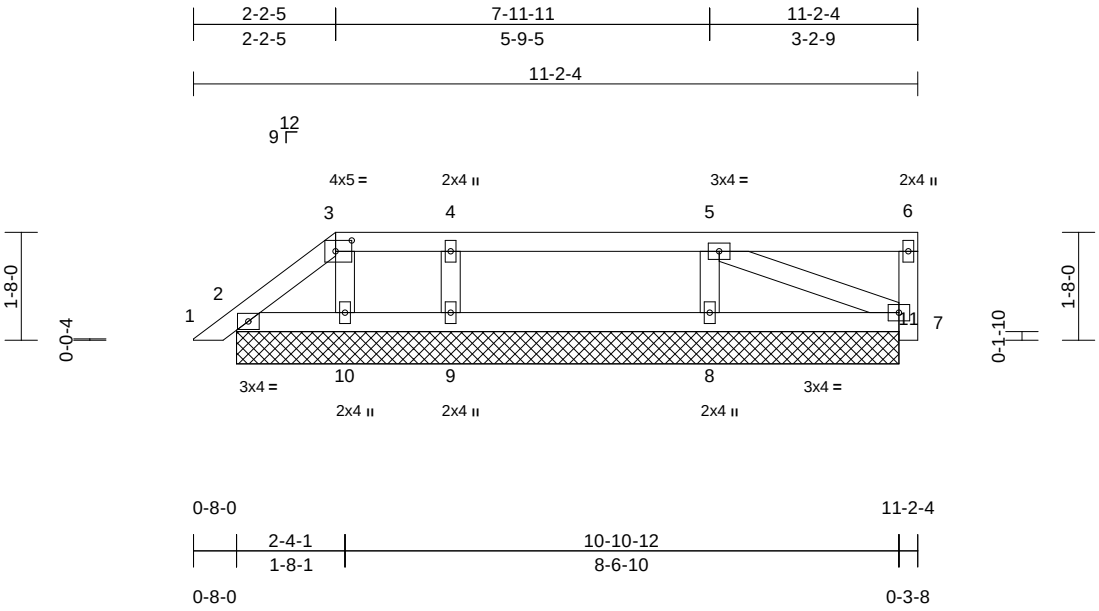

Scale = 1:35.6

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	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: 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
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) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 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.
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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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

MiTek®
16023 Swingley 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 Page: 1
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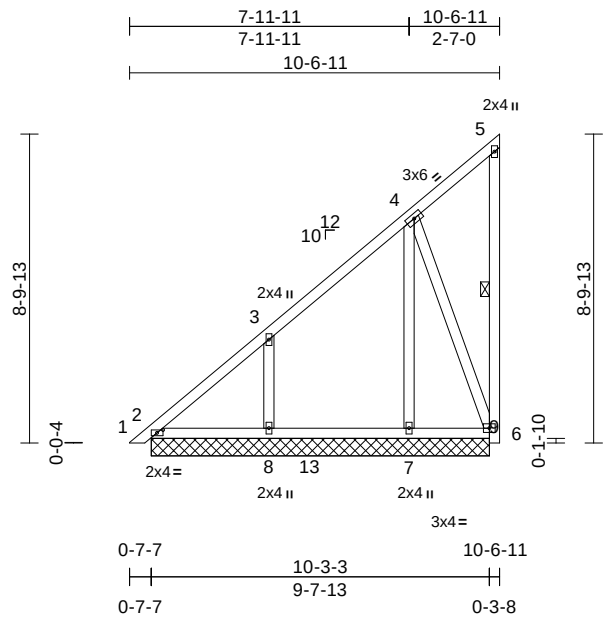

Scale = 1:65.8

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999		
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

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 172 lb uplift at joint 6, 220 lb uplift at joint 8 and 5 lb uplift at joint 7.
10) 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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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Job	Truss	Truss Type	Qty	Ply	
5240835	PB21	Piggyback	1	1	T40110590 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 ID:sUalCP?3JIs5A42mSDizLOzmUri-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

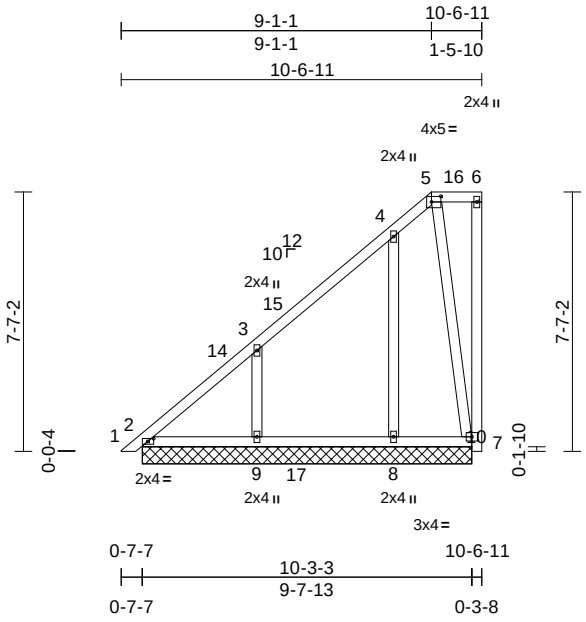

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Plate Offsets (X, Y): [2:0-2-1,0-1-0], [5:0-3-4,0-2-0]

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999		
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

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 0-2-14 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 7, 224 lb uplift at joint 9 and 160 lb uplift at joint 8.
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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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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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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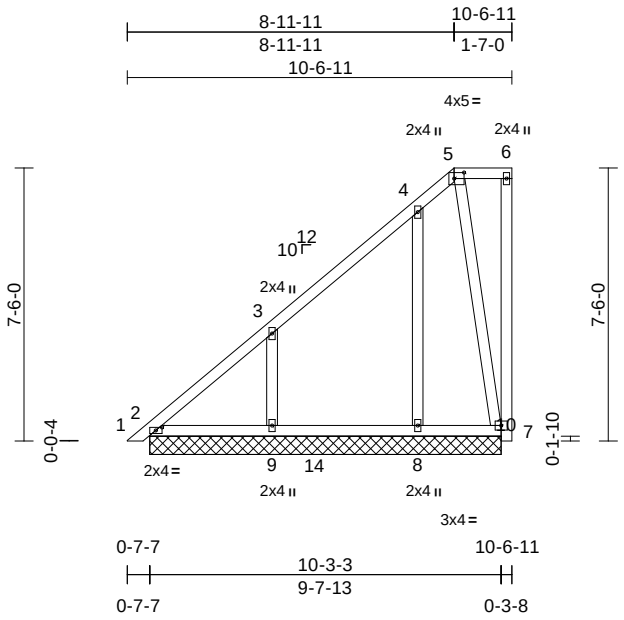

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Plate Offsets (X, Y): [2:0-2-1,0-1-0], [5:0-3-4,0-2-0]

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999		
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

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) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 7, 224 lb uplift at joint 9 and 160 lb uplift at joint 8.
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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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 Page: 1
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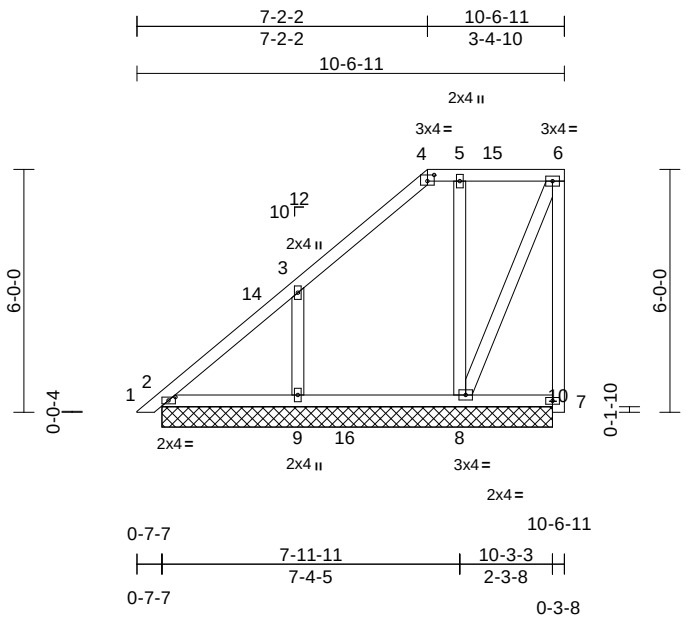

Scale = 1:56.9

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999		
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 6-0-0 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=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
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 0-2-14 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 7, 212 lb uplift at joint 9 and 69 lb uplift at joint 8.
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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

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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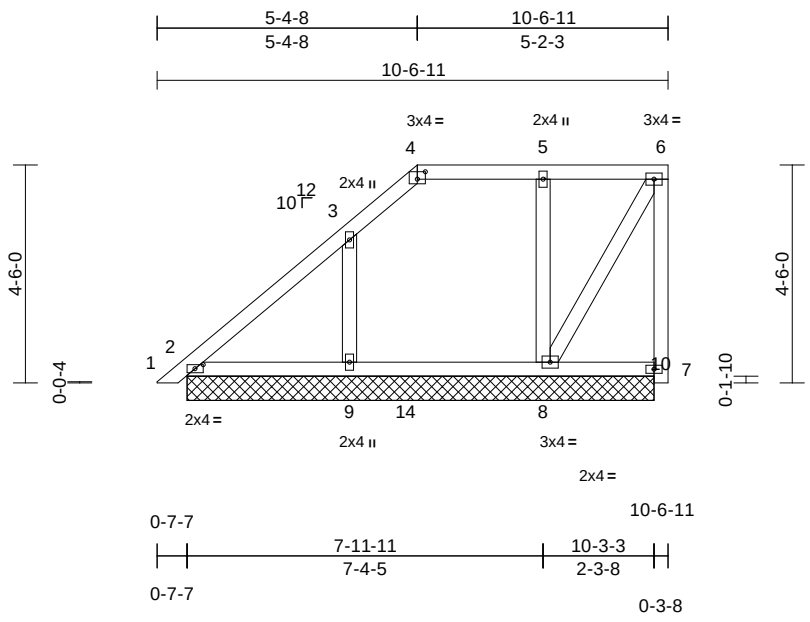

Scale = 1:47.6

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	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	7	n/a	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

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) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 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.
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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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

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

Job	Truss	Truss Type	Qty	Ply	
5240835	PB25	Piggyback	1	1	T40110594 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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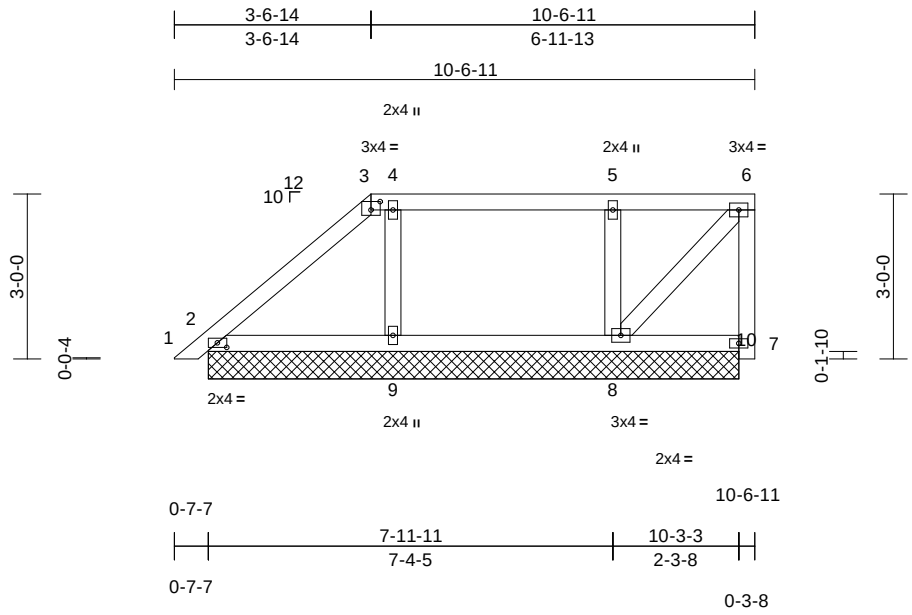

Scale = 1:41.9

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

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	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%

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) 2=9-7-13, 7=9-7-13, 8=9-7-13, 9=9-7-13, 10=9-7-13
Max Horiz 2=108 (LC 12)
Max Uplift 2=-38 (LC 12), 7=-56 (LC 12), 8=-141 (LC 8), 9=-96 (LC 9)
Max Grav 2=154 (LC 19), 7=84 (LC 19), 8=330 (LC 26), 9=324 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/15, 2-3=-78/64, 3-4=-52/45, 4-5=-52/45, 5-6=-52/45, 7-10=0/0, 6-7=-66/80
BOT CHORD	2-9=-66/52, 8-9=-45/52, 7-8=-2/3
WEBS	4-9=-228/189, 5-8=-226/161, 6-8=-64/74

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) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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

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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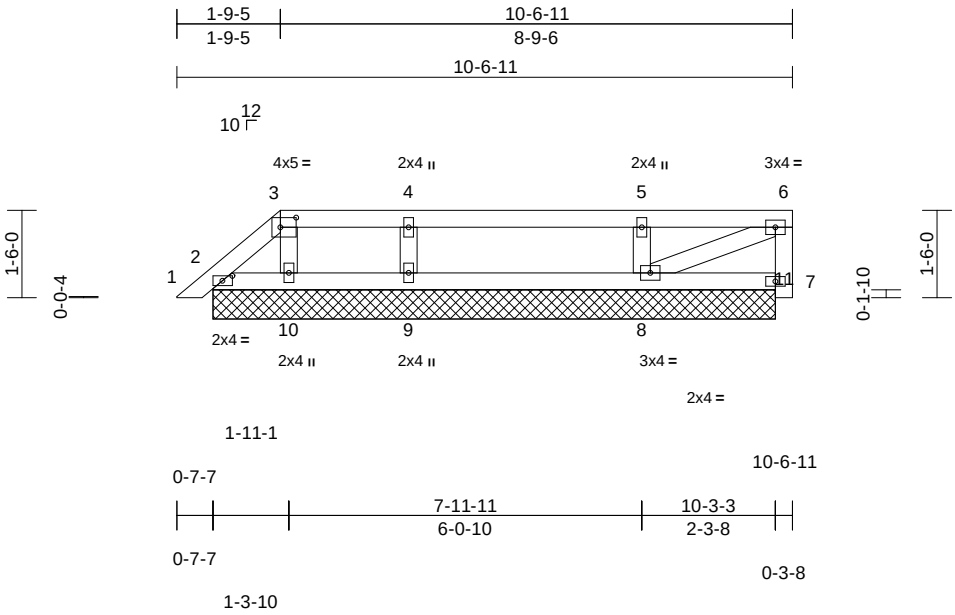

Scale = 1:39.5

Plate Offsets (X, Y): [2:0-2-1,0-1-0], [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	0.13	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 6-0-0 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, 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 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.
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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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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 Page: 1
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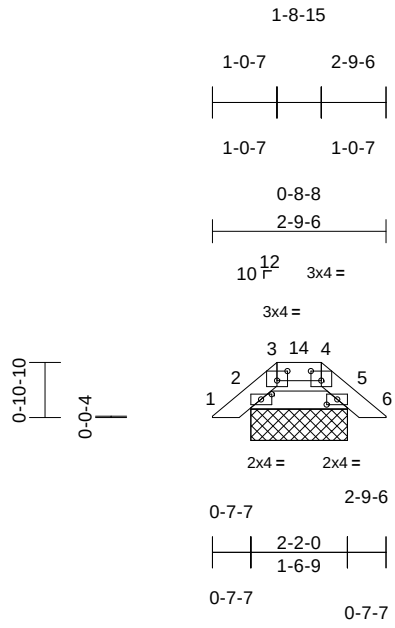

Scale = 1:36.9

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	n/a	-	n/a	999		
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
1) 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.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=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
5) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
6) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
7) Provide adequate drainage to prevent water ponding.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 4-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) 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.
13) 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:

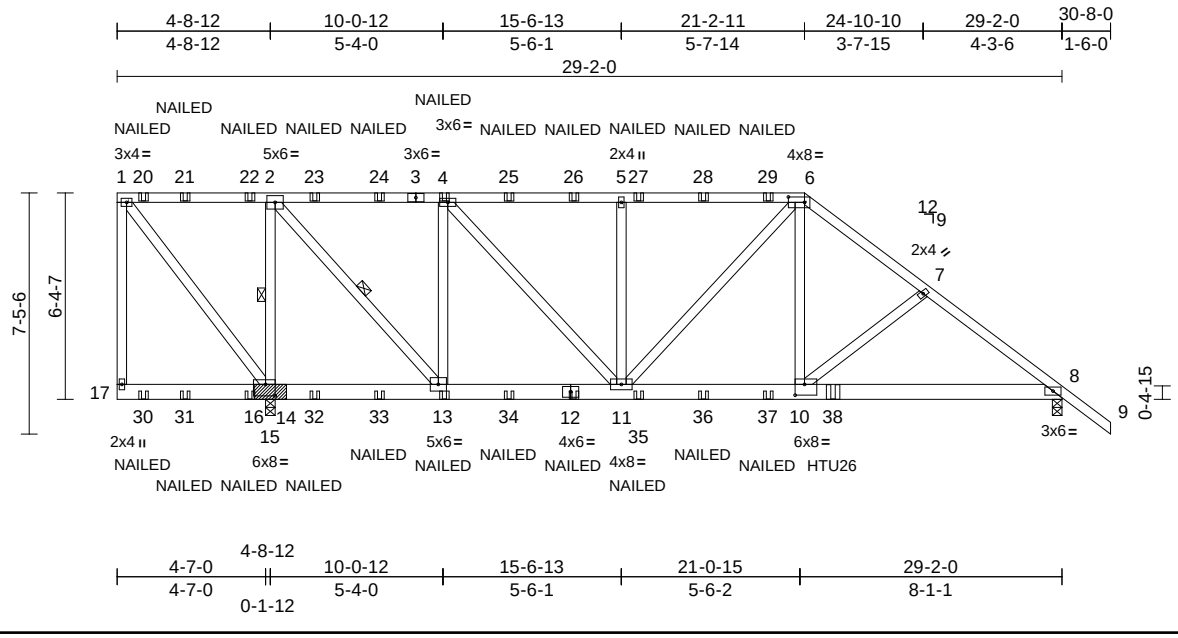
February 12,2026

MiTek®
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 ID:CZX4BIQXUsfx0l9STIKhBjzmHcB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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	MT20	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 (lb) - Maximum Compression/Maximum Tension
TOP CHORD 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
1) 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.
2) Unbalanced roof live loads have been considered for this design.
3) 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
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1720 lb uplift at joint 15 and 954 lb uplift at joint 8.
9) 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.
10) Fill all nail holes where hanger is in contact with lumber.
11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
12) 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, 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)

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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

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

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

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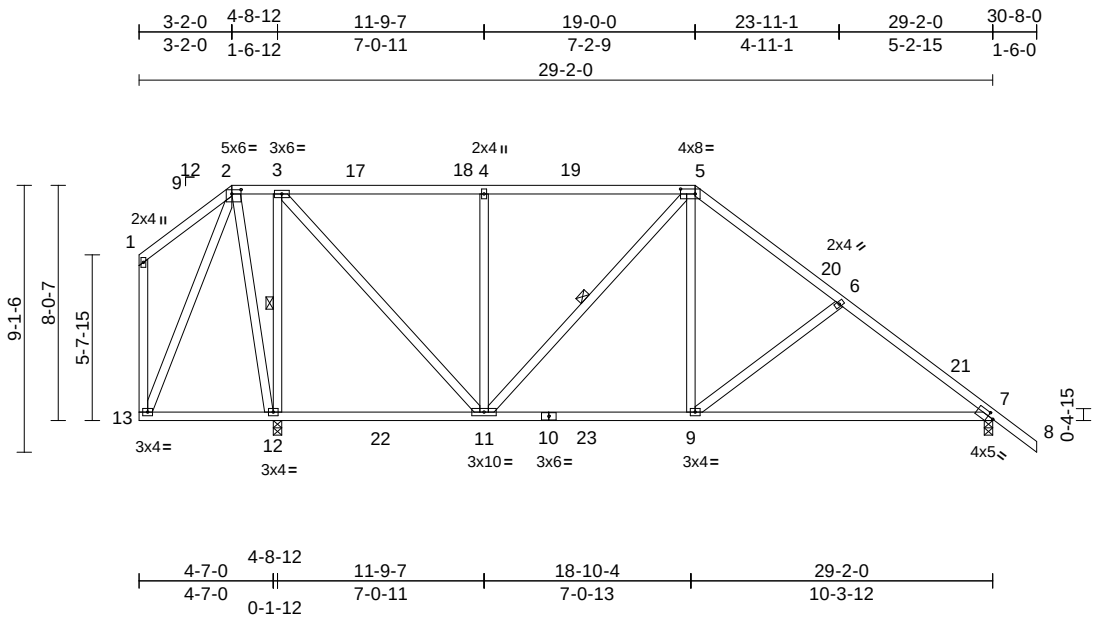

Scale = 1:78.7

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

February 12,2026

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

Job	Truss	Truss Type	Qty	Ply	
5240835	T03	Hip	1	1	T40110599
					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 09:44:18

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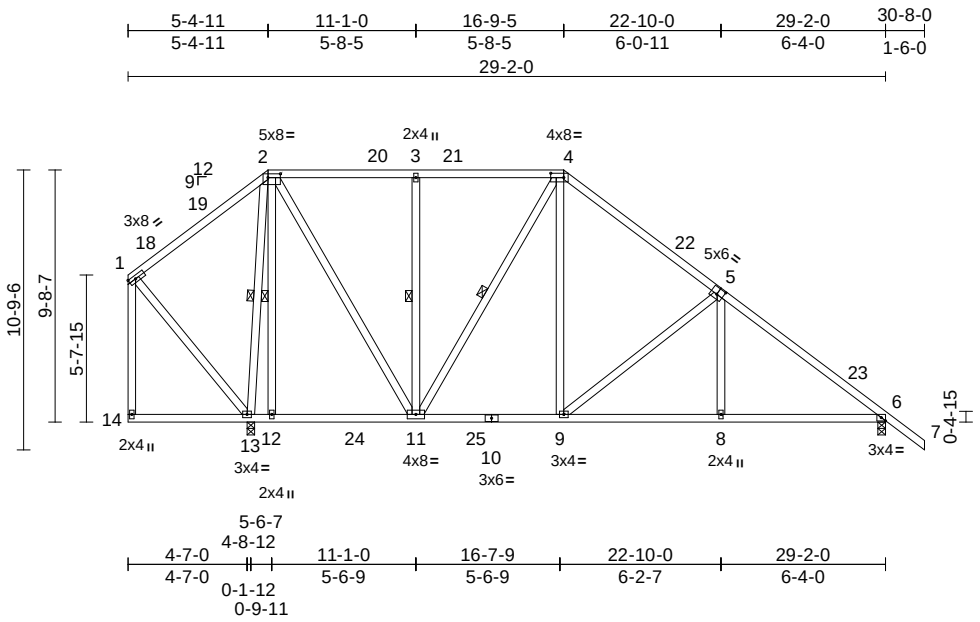

Scale = 1:88.7

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

February 12,2026

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

Job	Truss	Truss Type	Qty	Ply	
5240835	T04	Piggyback Base	2	1	T40110600 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 09:44:18 Page: 1
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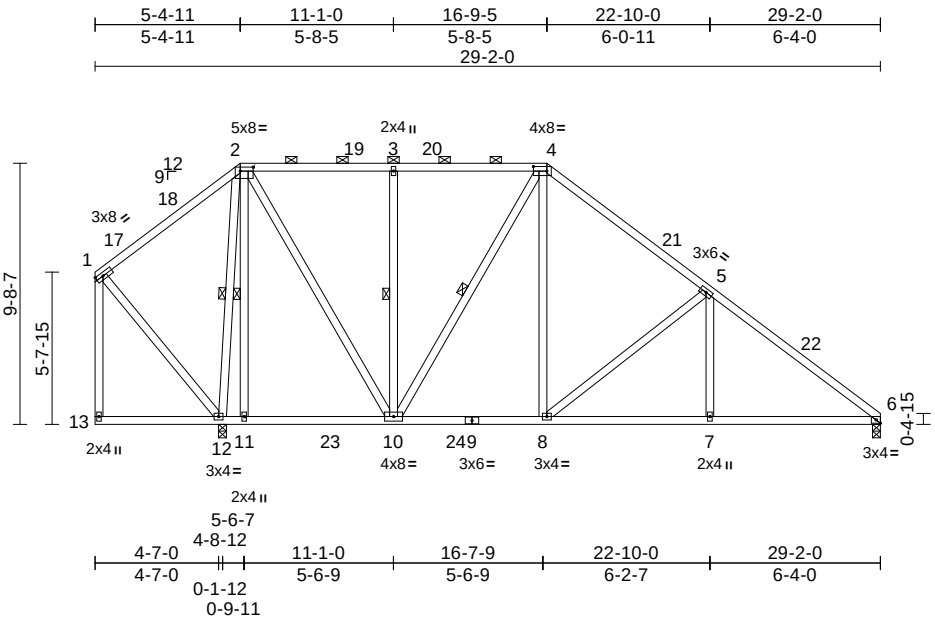

Scale = 1:85.6

Plate Offsets (X, Y): [2:0-5-12,0-1-12], [4:0-6-0,0-2-0], [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	0.45	Vert(LL)	-0.06	7-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.12	7-16	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 215 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 4-6-6 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 2-11, 4-10, 3-10, 2-12

REACTIONS (size) 6=0-3-8, 12=0-3-8
Max Horiz 12=-273 (LC 13)
Max Uplift 6=-235 (LC 13), 12=-299 (LC 12)
Max Grav 6=1040 (LC 28), 12=1536 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/206, 2-3=-533/219, 3-4=-533/219, 4-5=-966/289, 5-6=-1422/323, 1-13=0/68
BOT CHORD 12-13=-9/14, 11-12=-169/281, 10-11=-169/281, 8-10=-75/697, 7-8=-160/1078, 6-7=-160/1078
WEBS 2-11=-67/92, 4-10=-418/154, 4-8=-133/595, 5-8=-599/283, 5-7=0/271, 1-12=-189/101, 3-10=-386/201, 2-10=-270/982, 2-12=-1193/244

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 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 36-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 235 lb uplift at joint 6 and 299 lb uplift at joint 12.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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:

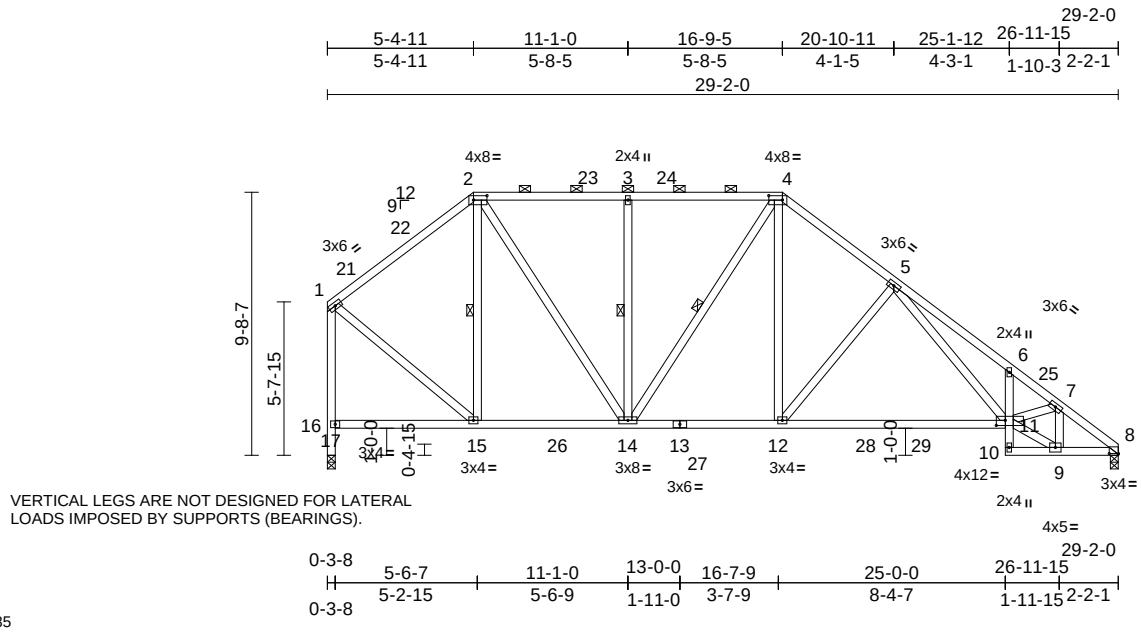
February 12,2026

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

Job	Truss	Truss Type	Qty	Ply	
5240835	T05	Piggyback Base	1	1	T40110601
					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 09:44:18 ID:uR6ahfsA1CoPzTCAbOoMG?zmHQ0-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



VERTICAL LEGS ARE NOT DESIGNED FOR LATERAL LOADS IMPOSED BY SUPPORTS (BEARINGS).

Scale = 1:85

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]

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	0.79	Vert(LL)	-0.23	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.44	11-12	>793	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.12	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 207 lb	FT = 20%

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 or 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=-281/1655

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.
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) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 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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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

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

Job	Truss	Truss Type	Qty	Ply	
5240835	T06	Piggyback Base	1	1	T40110602
					Job Reference (optional)

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

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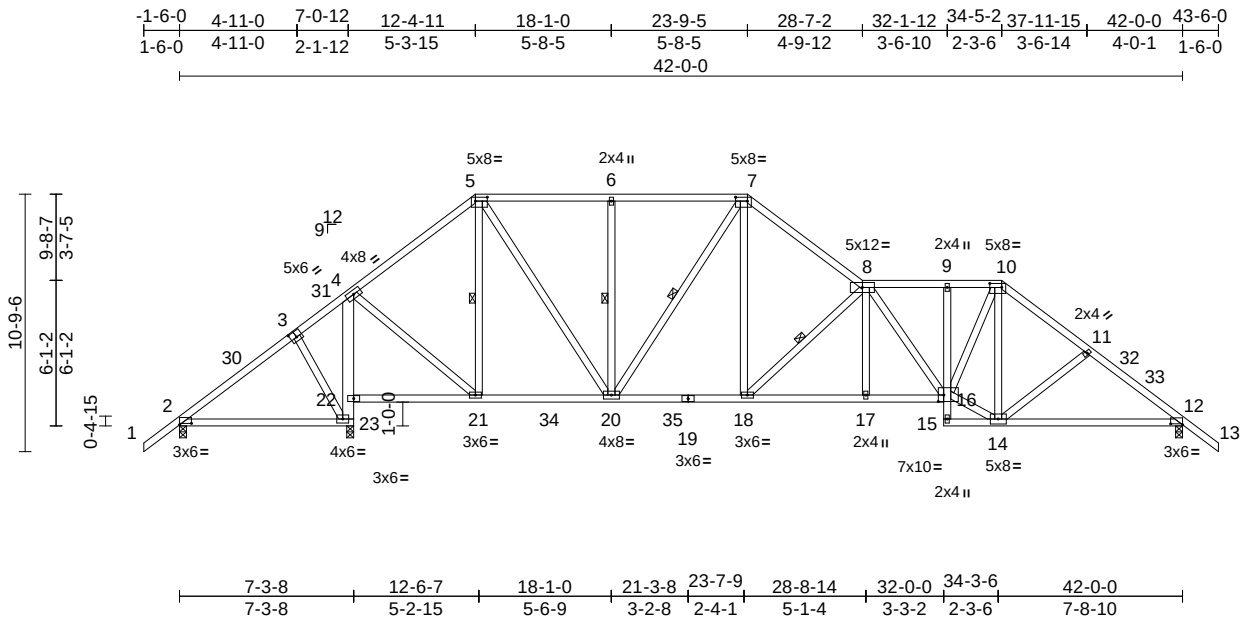
Page: 1



Scale = 1:96.5

Plate Offsets (X, Y): [2:0-6-0,0-0-12], [3:0-3-0,0-3-0], [5:0-6-0,0-2-0], [7:0-6-0,0-2-0], [10:0-6-0,0-2-0], [12:0-6-0,0-0-7], [16:0-2-12,0-3-4]

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	0.39	Vert(LL)	-0.15	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.28	17-18	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 292 lb	FT = 20%

LUMBER
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
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-21, 7-20, 8-18, 6-20

REACTIONS (size) 2=0-3-8, 12=0-3-8, 23=0-3-8
Max Horiz 2=-258 (LC 10)
Max Uplift 2=-127 (LC 8), 12=-390 (LC 13), 23=-399 (LC 9)
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

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 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
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) 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.

LOAD CASE(S) Standard

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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

Job	Truss	Truss Type	Qty	Ply	
5240835	T07	Piggyback Base	1	1	T40110603
					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 09:44:19
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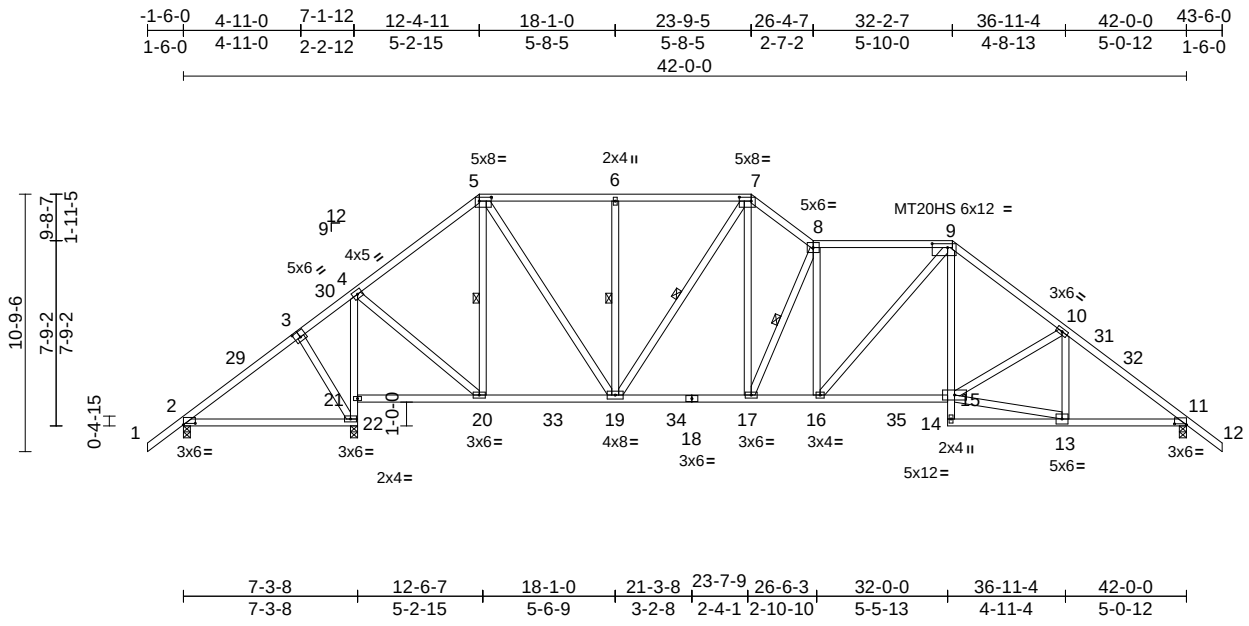
Page: 1



Scale = 1:96.5

Plate Offsets (X, Y): [2:0-6-0,0-0-12], [3:0-3-0,0-3-0], [5:0-6-0,0-2-0], [7:0-6-0,0-2-0], [9:0-7-12,0-2-0], [11:0-6-0,0-0-7]

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	0.57	Vert(LL)	0.08	22-25	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.28	15-16	>999	180	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 291 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 22-4,9-14:2x4 SP No.3
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 2-22,20-21.
WEBS 1 Row at midpt 5-20, 7-19, 8-17, 6-19

REACTIONS (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

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 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
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
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.

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

MiTek®
16023 Swingley Ridge Rd.
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,

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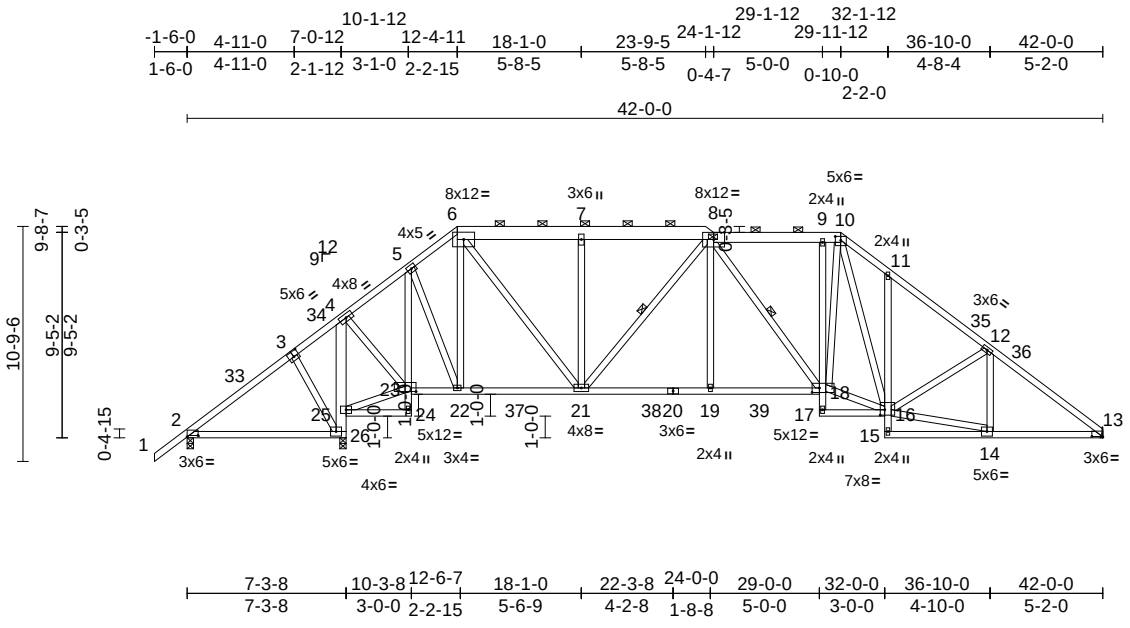

Scale = 1:105.7

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	MT20	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

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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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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,

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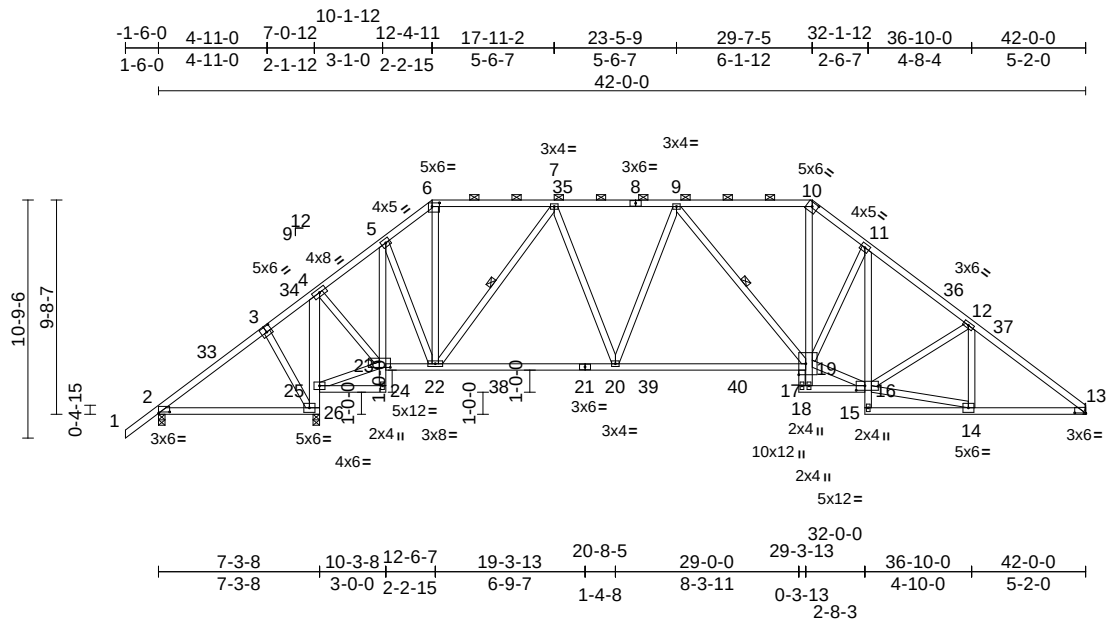

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Plate Offsets (X, Y): [2:0-6-0,0-0-12], [3:0-3-0,0-3-0], [6:0-4-0,0-2-0], [10:0-3-0,0-2-2], [13:0-6-0,0-0-4], [16:0-4-12,0-2-8], [19:0-6-0,0-3-13], [23:0-6-0,0-3-0]

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
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
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 (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)

FORCES (lb) - Maximum Compression/Maximum Tension
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
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

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.

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

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

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
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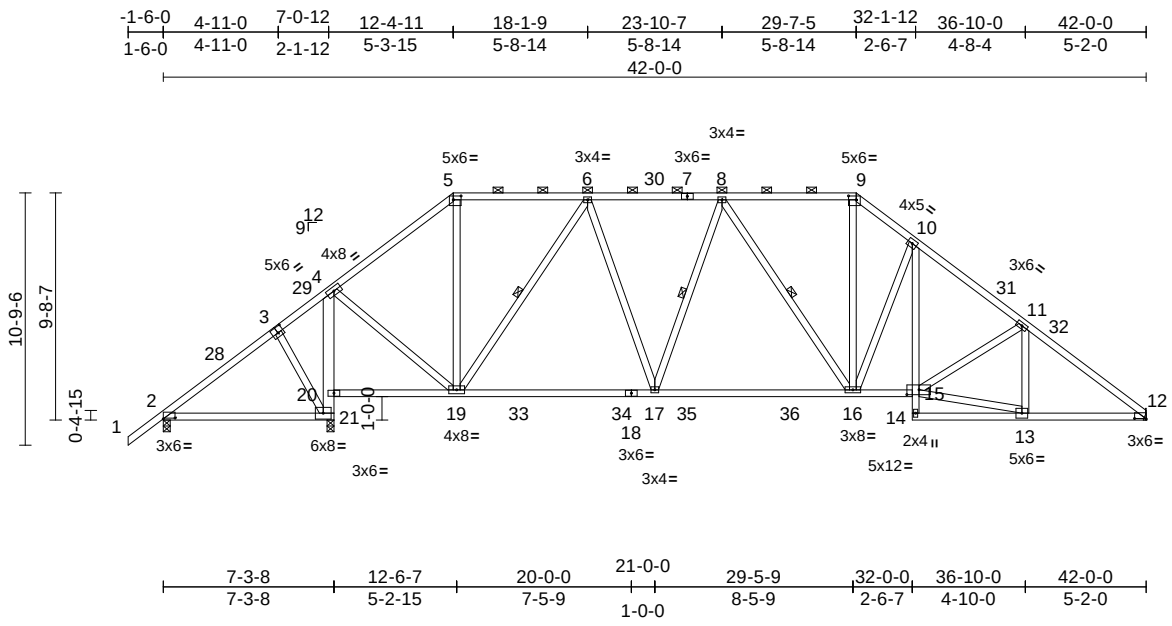

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Plate Offsets (X, Y): [2:0-6-0,0-0-8], [3:0-3-0,0-3-0], [5:0-4-0,0-2-0], [9:0-4-0,0-2-0], [12:0-6-0,0-0-4], [15:0-6-4,0-2-8]

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	MT20	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

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 18-1-9, 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
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 370 lb uplift at joint 12, 113 lb uplift at joint 2 and 463 lb uplift at joint 21.
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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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	T11	Piggyback Base	2	1	T40110607
					Job Reference (optional)

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

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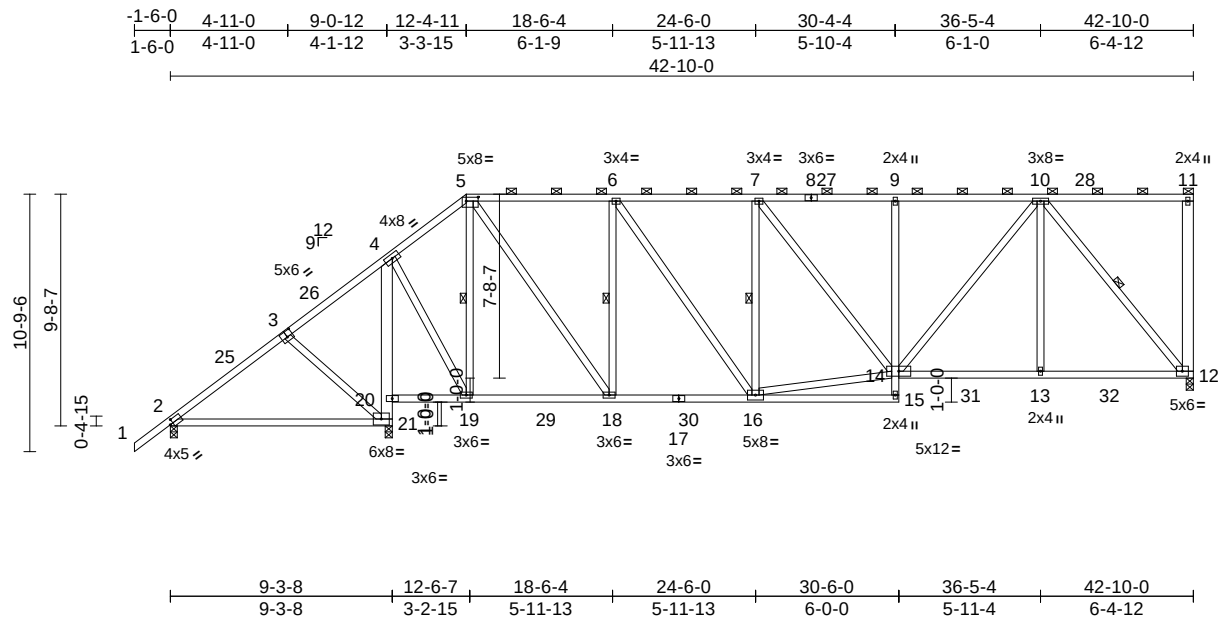

Scale = 1:96.5

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	MT20	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

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 2-9-6, 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
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) 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.
8) 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

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

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
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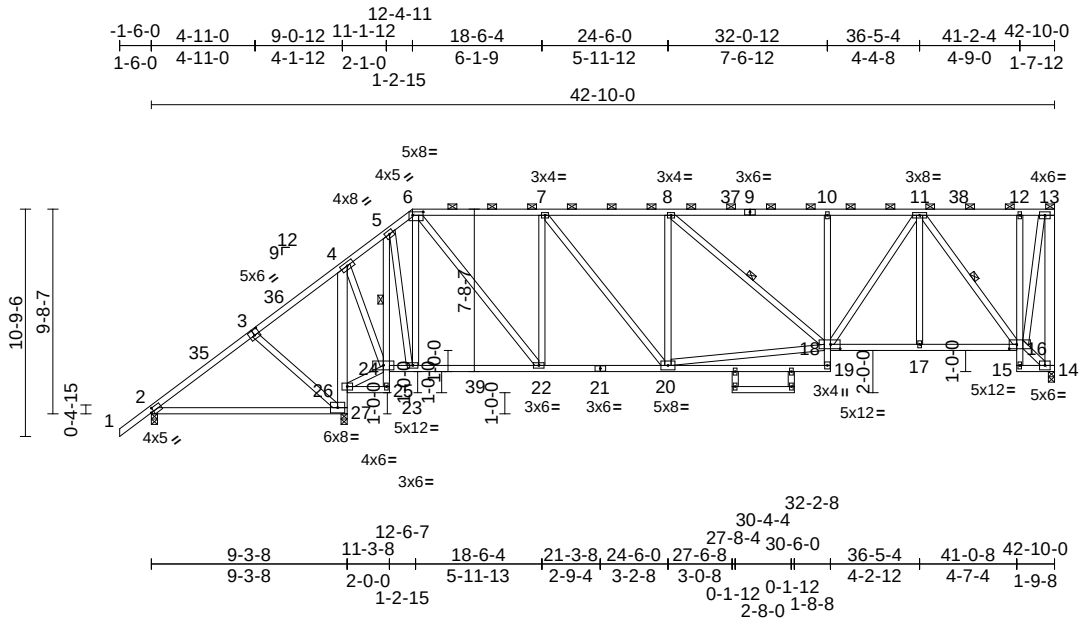

Scale = 1:109.3

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	MT20	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
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 27-4:2x6 SP No.2, 25-5,19-10,12-15:2x4 SP No.3
WEBS 2x4 SP No.3 *Except* 13-14:2x6 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 (3-11-2 max.): 6-13.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 5-24
WEBS 1 Row at midpt 8-18, 11-16

REACTIONS (size) 2=0-3-8, 14=0-3-8, 27=0-3-8
Max Horiz 2=340 (LC 9)
Max Uplift 2=-98 (LC 8), 14=-408 (LC 9), 27=-628 (LC 9)
Max Grav 2=463 (LC 22), 14=1425 (LC 2), 27=1966 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
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
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
WEBS 3-27=-296/195, 24-26=-149/56, 4-24=-359/1149, 5-23=-236/924, 6-23=-760/295, 8-18=-111/87, 11-18=-263/863, 11-16=-1390/392, 14-16=-161/171, 13-16=-439/1360, 11-17=0/220, 7-22=-760/306, 6-22=-355/1241, 7-20=-151/505, 8-20=-425/219, 18-20=-524/1506

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 2-9-6, 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
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 (||) MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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

Job	Truss	Truss Type	Qty	Ply	
5240835	T13	Piggyback Base	6	1	T40110609
					Job Reference (optional)

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

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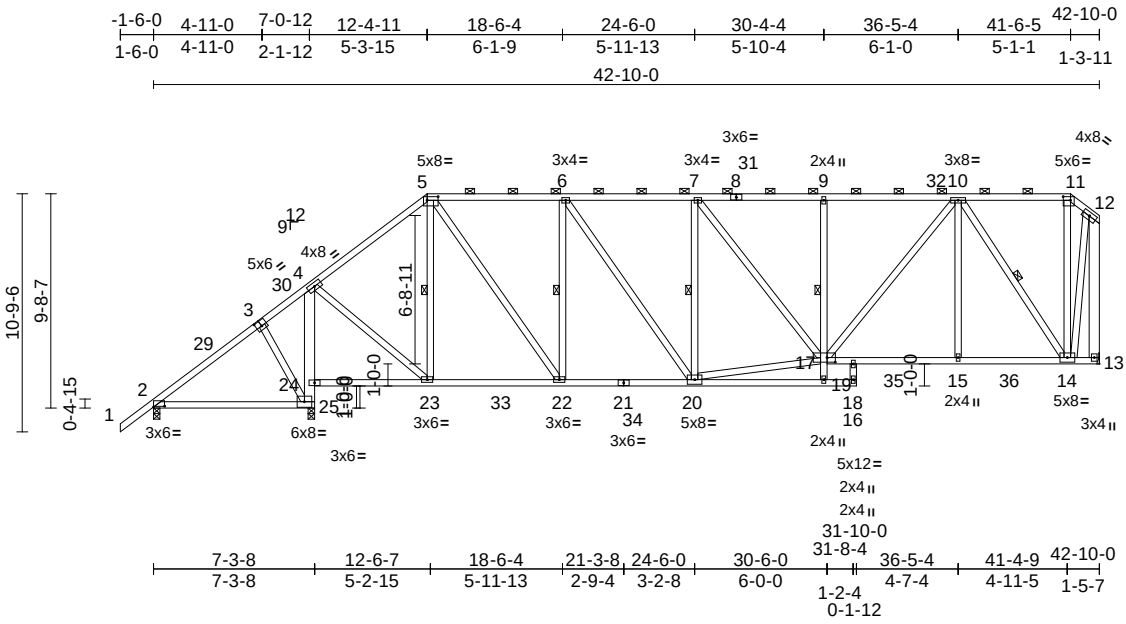

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Plate Offsets (X, Y): [2:0-6-0,0-0-8], [3:0-3-0,0-3-0], [5:0-6-0,0-2-0], [11:0-4-0,0-2-0], [17:0-4-8,0-2-8]

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	0.72	Vert(LL)	0.08	25-28	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.20	15-16	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.05	13	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 339 lb	FT = 20%

LUMBER
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 5-3-4 oc purlins, except end verticals, and 2-0-0 oc purlins (4-2-12 max.): 5-11.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
6-0-0 oc bracing: 9-17
10-0-0 oc bracing: 17-19
WEBS 1 Row at midpt 5-23, 7-20, 10-14, 6-22

REACTIONS (size) 2=0-3-8, 13= Mechanical, 25=0-3-8
Max Horiz 2=329 (LC 9)
Max Uplift 2=-92 (LC 8), 13=-391 (LC 9), 25=-589 (LC 9)
Max Grav 2=343 (LC 22), 13=1595 (LC 2), 25=2015 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-4=-241/305, 4-5=-1128/300, 5-6=-1469/423, 6-7=-1679/485, 7-9=-1739/502, 9-10=-1746/503, 10-11=-270/152, 11-12=-373/197, 12-13=-1534/389
BOT CHORD 2-25=-158/115, 24-25=-1728/455, 4-24=-1641/469, 23-24=-167/86, 22-23=-299/822, 20-22=-469/1469, 19-20=-43/94, 18-19=0/0, 17-19=0/229, 9-17=-359/181, 16-17=-365/1142, 15-16=-365/1142, 14-15=-365/1142, 13-14=-93/108
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

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 2-9-6, 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.

LOAD CASE(S) Standard

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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	T14	Hip Girder	1	1	T40110610
					Job Reference (optional)

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

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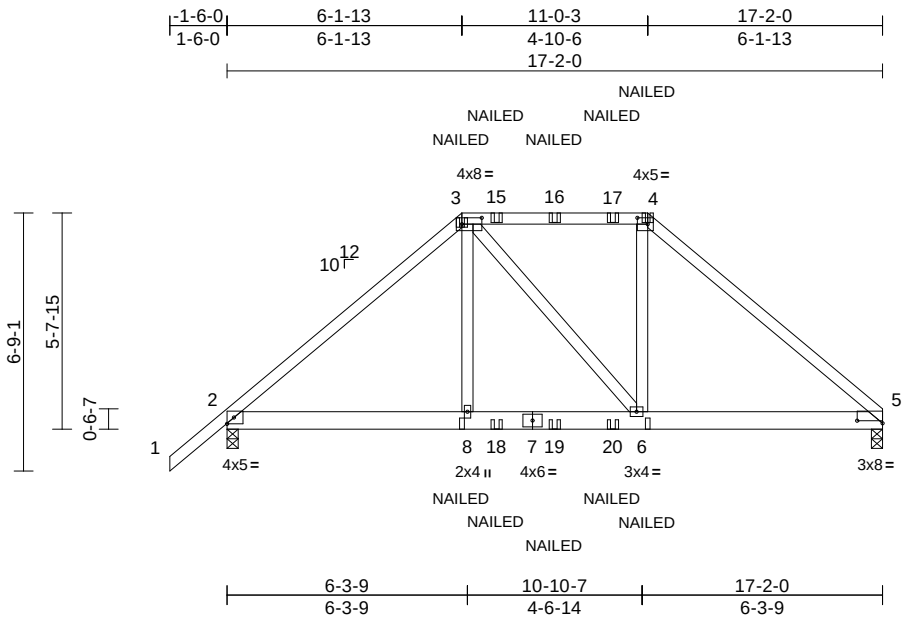

Scale = 1:60.3

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)

FORCES (lb) - Maximum Compression/Maximum Tension
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
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 754 lb uplift at joint 5 and 795 lb uplift at joint 2.
8) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
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, 3-4=-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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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Chesterfield, MO 63017
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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,

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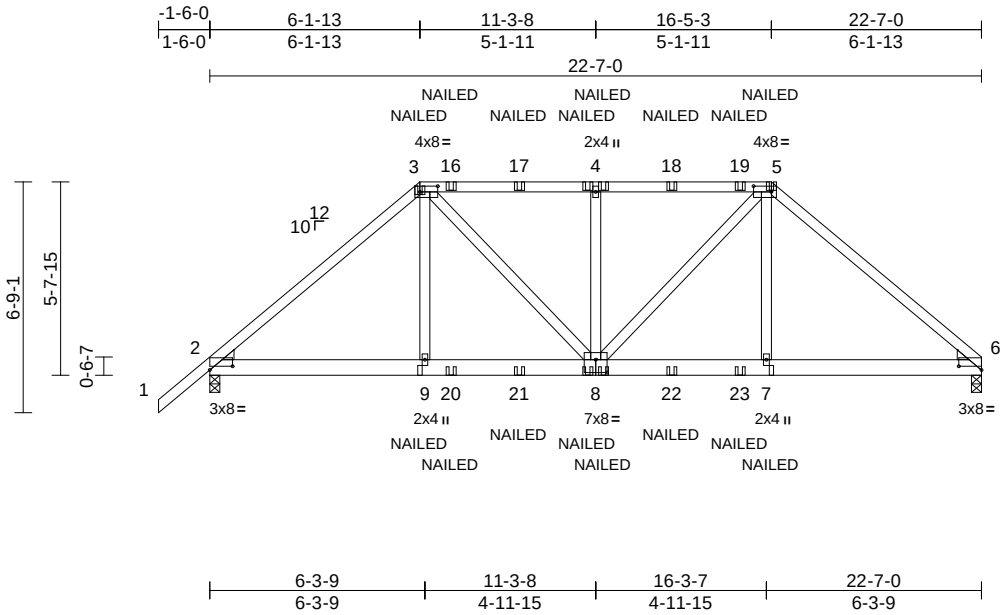

Scale = 1:67.4

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.14	8-9	>999	180		
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 guidlines.
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)

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Date:

February 12,2026

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Chesterfield, MO 63017
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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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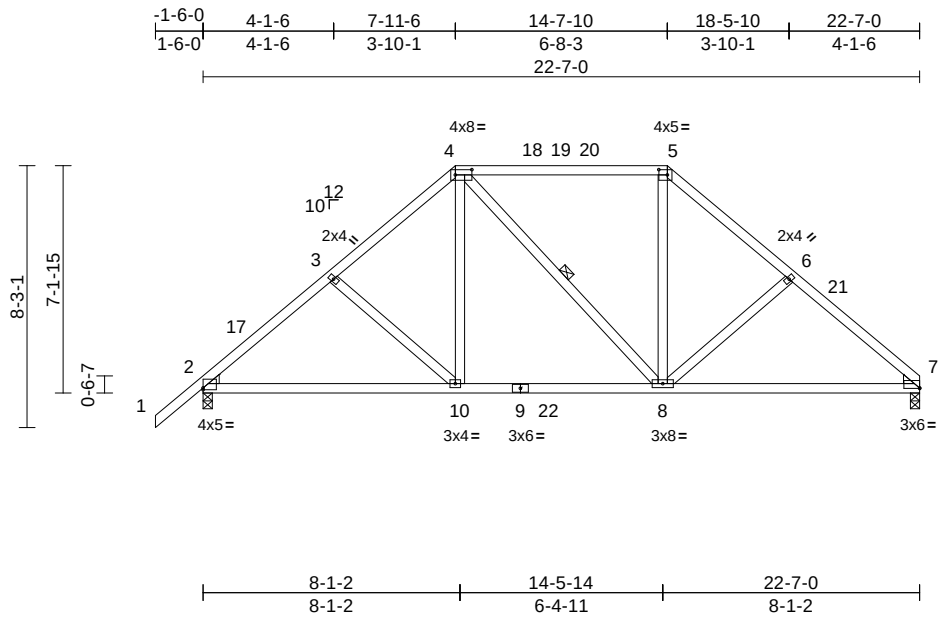

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Plate Offsets (X, Y): [2:Edge,0-0-11], [4:0-6-4,0-2-0], [5:0-3-4,0-2-0], [7:Edge,0-0-3]

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

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 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
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) 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:

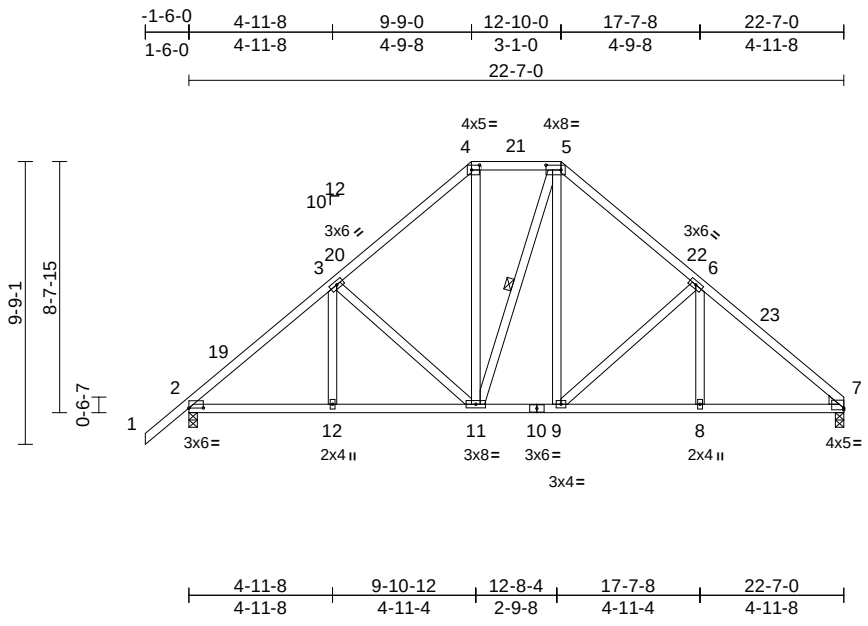
February 12,2026

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

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 ID:Lbt_OoYUl8JfIRB5ykmkPOzmV8N-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.07	8-9	>999	180		
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

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 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
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 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
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

MiTek®
16023 Swingley Ridge Rd.
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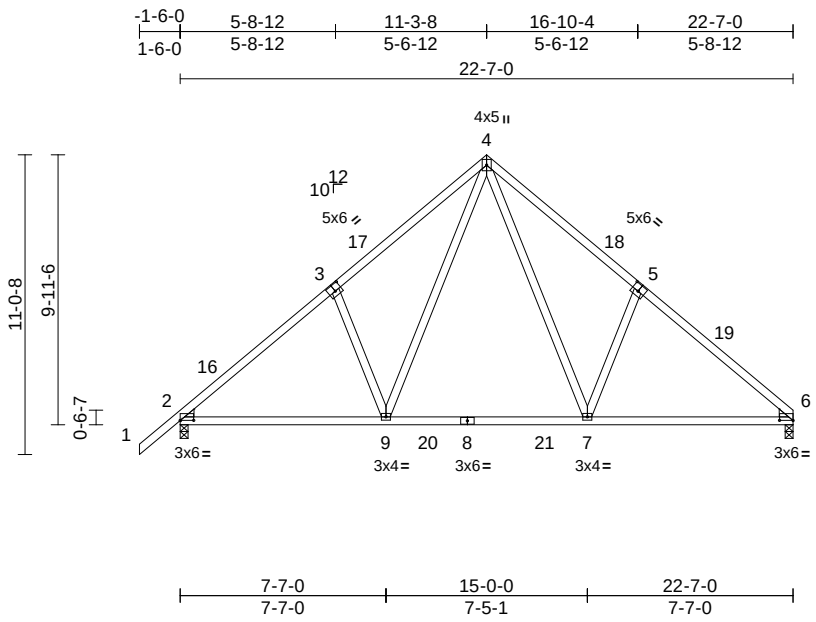
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	T18	Common	3	1	T40110614 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 Page: 1
ID:LPSG5E9TkpkQwGbvRyBhz8zmV7a-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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

Job	Truss	Truss Type	Qty	Ply	
5240835	T19	Half Hip	1	1	T40110615
					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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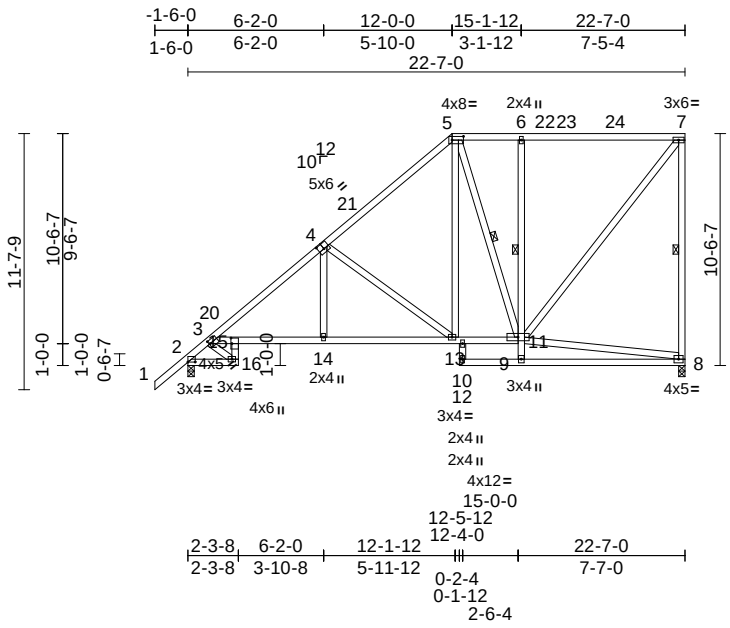

Scale = 1:104.7

Plate Offsets (X, Y): [2:0-4-0,0-0-1], [3:0-0-8,0-1-12], [4:0-3-0,0-3-0], [5:0-6-4,0-2-0], [15:0-3-0,0-0-8]

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	0.70	Vert(LL)	0.22	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.29	14-15	>932	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 186 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 16-15,6-9:2x4 SP No.3, 3-11:2x4 SP No.1
WEBS 2x4 SP No.3

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

REACTIONS (size) 2=0-3-8, 8=0-3-8
Max Horiz 2=429 (LC 12)
Max Uplift 2=-210 (LC 12), 8=-283 (LC 12)
Max Grav 2=991 (LC 1), 8=894 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-1079/189, 3-5=-1357/351, 5-6=-505/204, 6-7=-510/206, 7-8=-825/304
BOT CHORD 2-16=-471/704, 15-16=-290/440, 3-15=-431/821, 14-15=-559/1019, 13-14=-561/1025, 12-13=-251/543, 11-12=-251/543, 9-11=0/264, 6-11=-417/219, 9-10=0/0, 8-9=0/119
WEBS 4-14=-84/382, 5-13=-160/400, 5-11=-214/147, 4-13=-639/382, 10-12=-1/12, 8-11=-113/0, 7-11=-330/809, 3-16=-654/448

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 12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to 22-5-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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.

LOAD CASE(S) Standard

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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

Job	Truss	Truss Type	Qty	Ply	
5240835	T20	Piggyback Base	6	1	T40110616
					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
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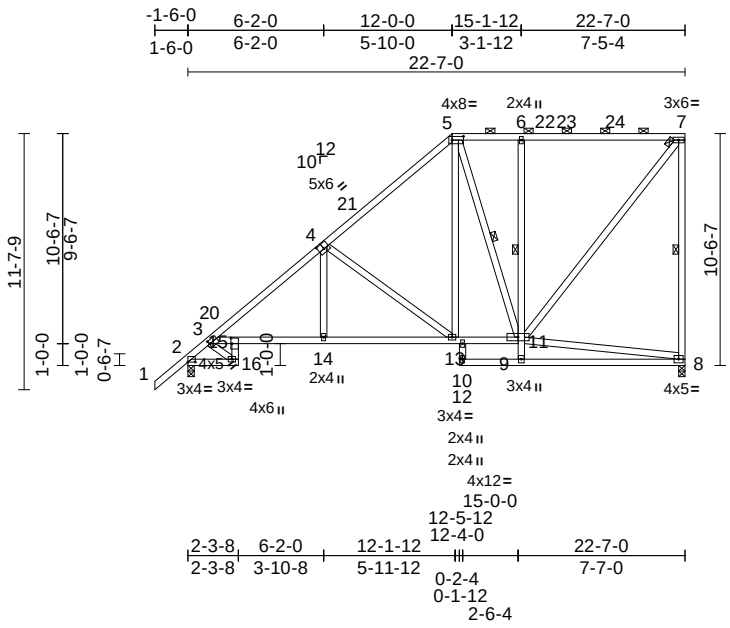

Scale = 1:104.7

Plate Offsets (X, Y): [2:0-4-0,0-0-1], [3:0-0-8,0-1-12], [4:0-3-0,0-3-0], [5:0-6-4,0-2-0], [15:0-3-0,0-0-8]

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	0.70	Vert(LL)	0.22	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.29	14-15	>932	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 186 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 16-15,6-9:2x4 SP No.3, 3-11:2x4 SP No.1
WEBS 2x4 SP No.3

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

REACTIONS (size) 2=0-3-8, 8=0-3-8
Max Horiz 2=429 (LC 12)
Max Uplift 2=-210 (LC 12), 8=-283 (LC 12)
Max Grav 2=991 (LC 1), 8=894 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-1079/189, 3-5=-1357/351, 5-6=-505/204, 6-7=-510/206, 7-8=-825/304
BOT CHORD 2-16=-471/704, 15-16=-290/440, 3-15=-431/821, 14-15=-559/1019, 13-14=-561/1025, 12-13=-251/543, 11-12=-251/543, 9-11=0/264, 6-11=-417/219, 9-10=0/0, 8-9=0/119
WEBS 4-14=-84/382, 8-11=-113/0, 7-11=-330/809, 5-13=-160/400, 5-11=-214/147, 4-13=-639/382, 3-16=-654/448, 10-12=-1/12

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 12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to 22-5-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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.

LOAD CASE(S) Standard

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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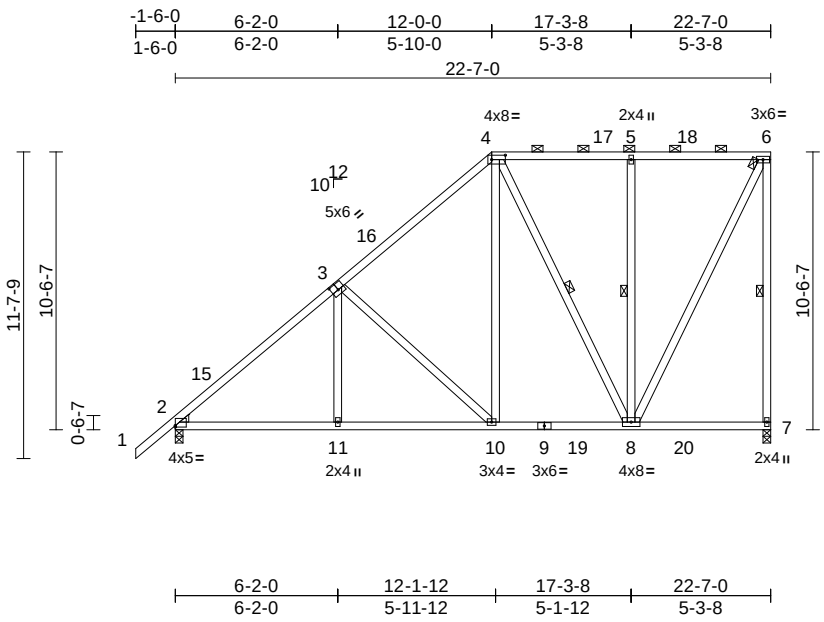
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	T21	Piggyback Base	1	1	T40110617
					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 ID:kFqF1n2aNXNXfhMYh2nvVEzmUre-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:87.4

Plate Offsets (X, Y): [2:Edge,0-0-11], [3:0-3-0,0-3-0], [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	0.46	Vert(LL)	-0.04	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.09	10-11	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 173 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 5-3-2 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD	Rigid ceiling directly applied or 8-8-14 oc bracing.
WEBS	1 Row at midpt 6-7, 5-8, 4-8

REACTIONS (size) 2=0-3-8, 7=0-3-8
Max Horiz 2=429 (LC 12)
Max Uplift 2=-211 (LC 12), 7=-284 (LC 12)
Max Grav 2=1080 (LC 19), 7=1023 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/58, 2-4=-1220/204, 4-5=-412/137, 5-6=-412/137, 6-7=-917/296
BOT CHORD	2-11=-438/945, 10-11=-438/948, 8-10=-231/560, 7-8=-1/5
WEBS	3-10=-525/277, 4-10=-145/565, 6-8=-304/907, 3-11=0/252, 5-8=-368/192, 4-8=-396/205

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 12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to 22-5-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 284 lb uplift at joint 7 and 211 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.

LOAD CASE(S) Standard

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

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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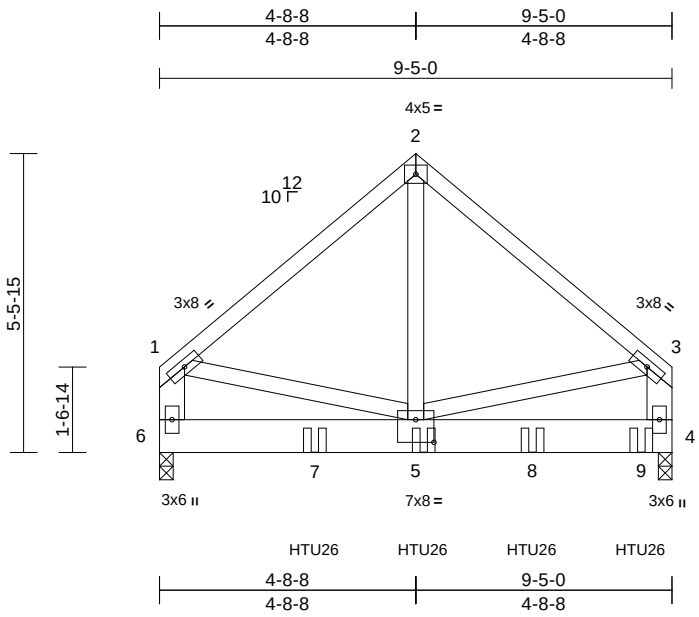

Scale = 1:42.3

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.03	5-6	>999	180		
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
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 0-6-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=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
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
9) 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.
10) 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.
11) 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.
12) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (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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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	T22G	Common Supported Gable	1	1	T40110619
					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 09:44:26
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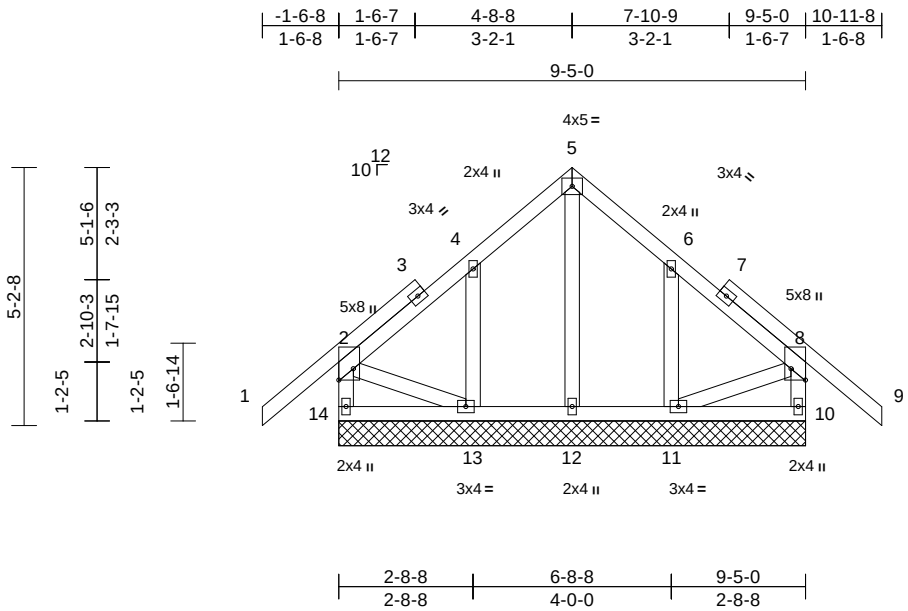

Scale = 1:46.5

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
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

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; 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
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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 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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Philip J. O'Regan PE No.58126
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Date:

February 12,2026

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314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	T23	Flat Girder	1	1	T40110620
					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 09:44:26
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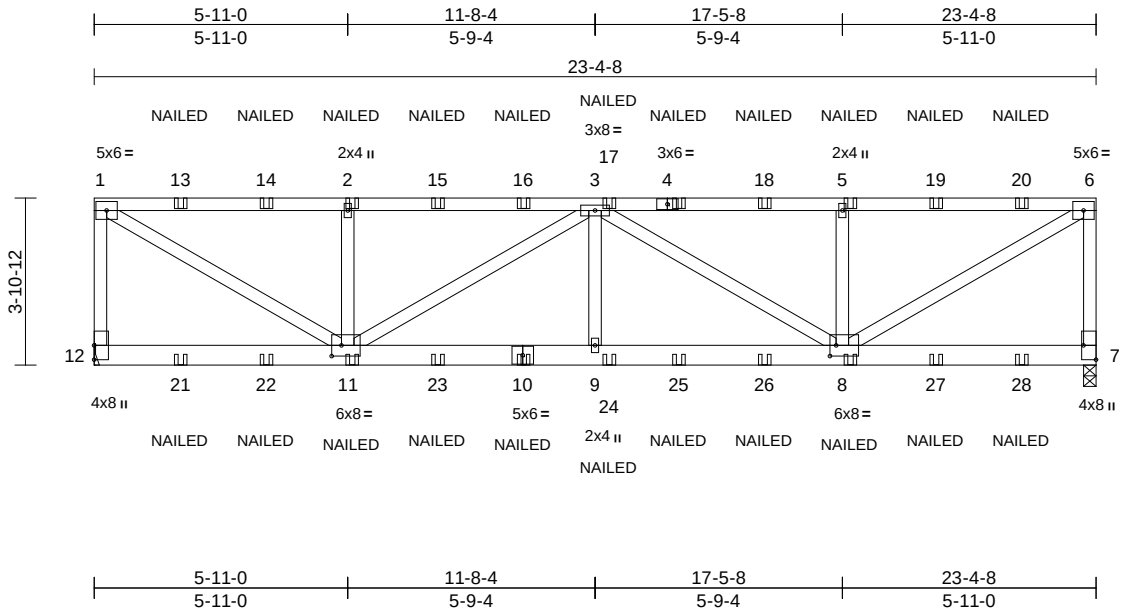

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Plate Offsets (X, Y): [7:Edge,0-3-8], [8:0-1-12,0-3-0], [11:0-2-12,0-3-0]

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	MT20	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
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
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 guidlines.
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	
5240835	T24	Half Hip	1	1	T40110621
					Job Reference (optional)

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

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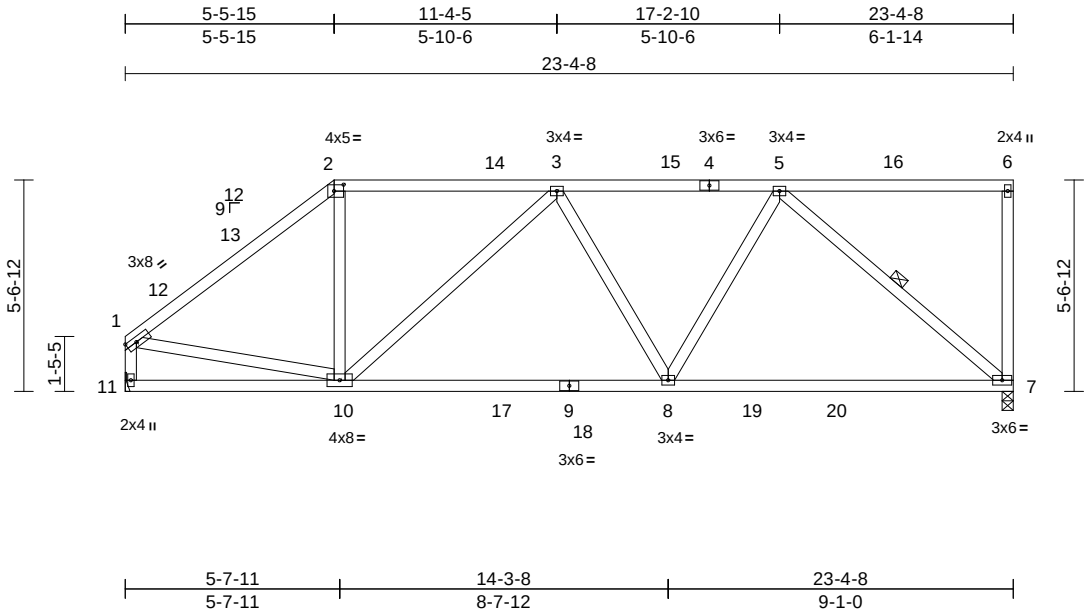

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Plate Offsets (X, Y): [2:0-3-0,0-2-0]

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	0.48	Vert(LL)	-0.21	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.38	7-8	>727	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 136 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-7

REACTIONS (size) 7=0-3-8, 11= Mechanical
Max Horiz 11=156 (LC 12)
Max Uplift 7=-282 (LC 9), 11=-229 (LC 12)
Max Grav 7=1021 (LC 2), 11=1006 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1132/257, 2-3=-856/271, 3-5=-1115/278, 5-6=-28/3, 6-7=-157/78, 1-11=-931/241
BOT CHORD 10-11=-214/151, 8-10=-329/1136, 7-8=-261/877
WEBS 2-10=-50/396, 3-10=-420/187, 3-8=-127/154, 5-8=-87/490, 5-7=-1130/343, 1-10=-163/768

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 0-2-4 to 3-2-4, Zone1 3-2-4 to 5-6-7, Zone2 5-6-7 to 9-9-6, Zone1 9-9-6 to 23-3-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 282 lb uplift at joint 7 and 229 lb uplift at joint 11.

LOAD CASE(S) Standard

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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

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

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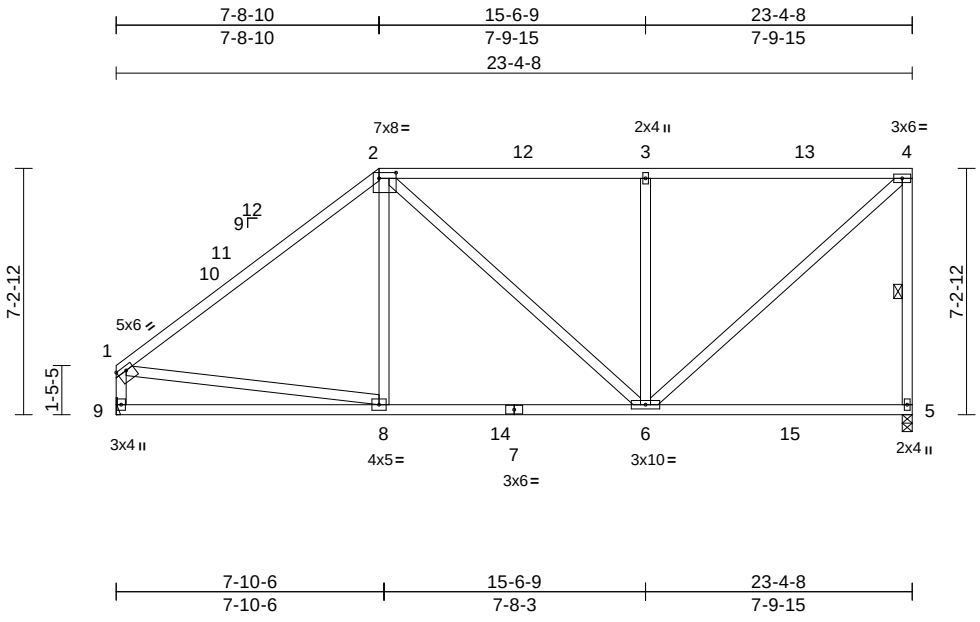

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Plate Offsets (X, Y): [1:Edge,0-1-8], [2:0-6-0,0-2-0]

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
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 0-2-4 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
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 281 lb uplift at joint 5 and 219 lb uplift at joint 9.

LOAD CASE(S) Standard

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

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

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

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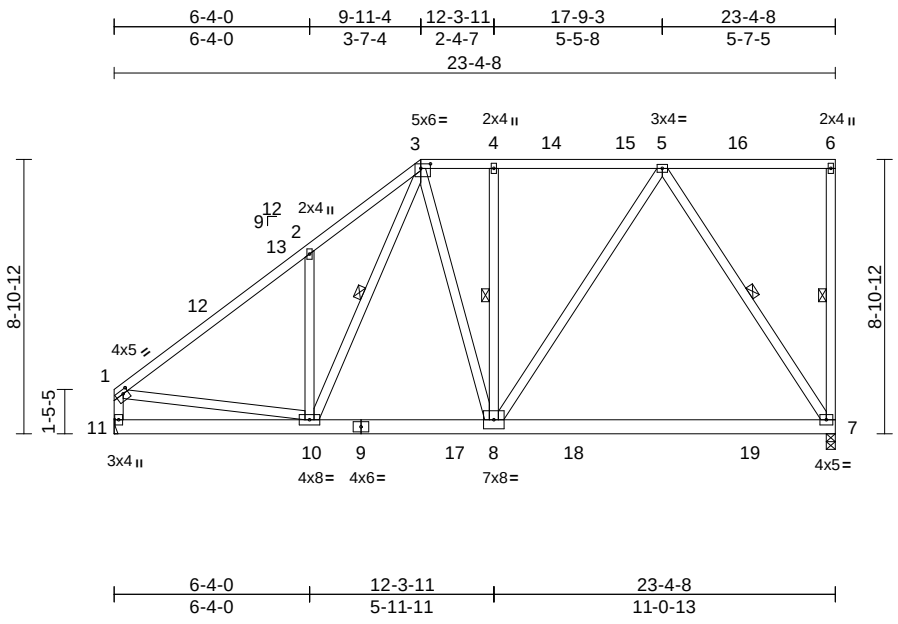

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Plate Offsets (X, Y): [1:0-2-0,0-1-8], [3:0-3-12,0-1-12]

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

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 0-2-4 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
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 430 lb uplift at joint 7 and 251 lb uplift at joint 11.

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, 3-6=-60, 8-11=-20, 7-8=-80

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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

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

Job	Truss	Truss Type	Qty	Ply	
5240835	T27	Half Hip	1	1	T40110624
					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 09:44:27
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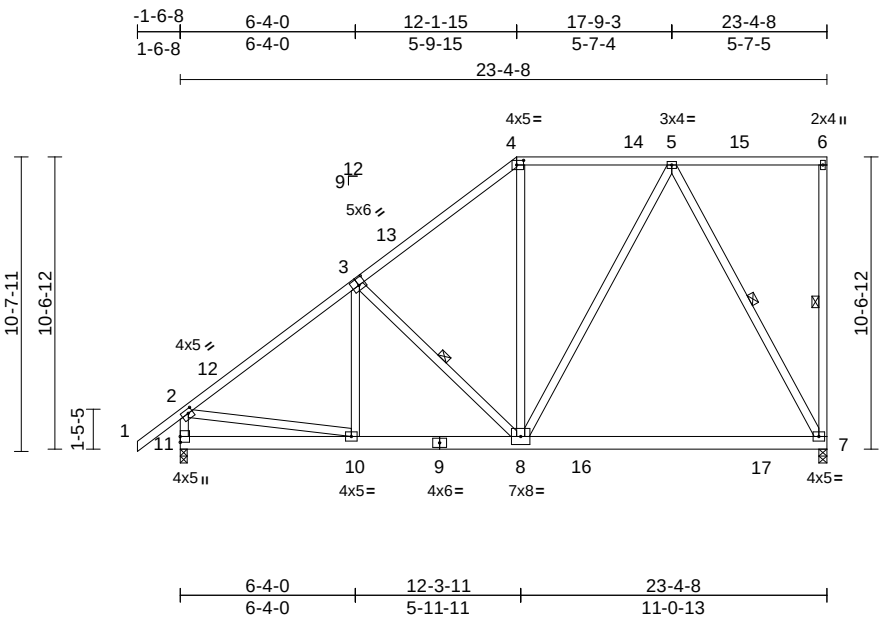

Scale = 1:83.3

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.
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
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 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
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) 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.

LOAD CASE(S) Standard
1) 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

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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

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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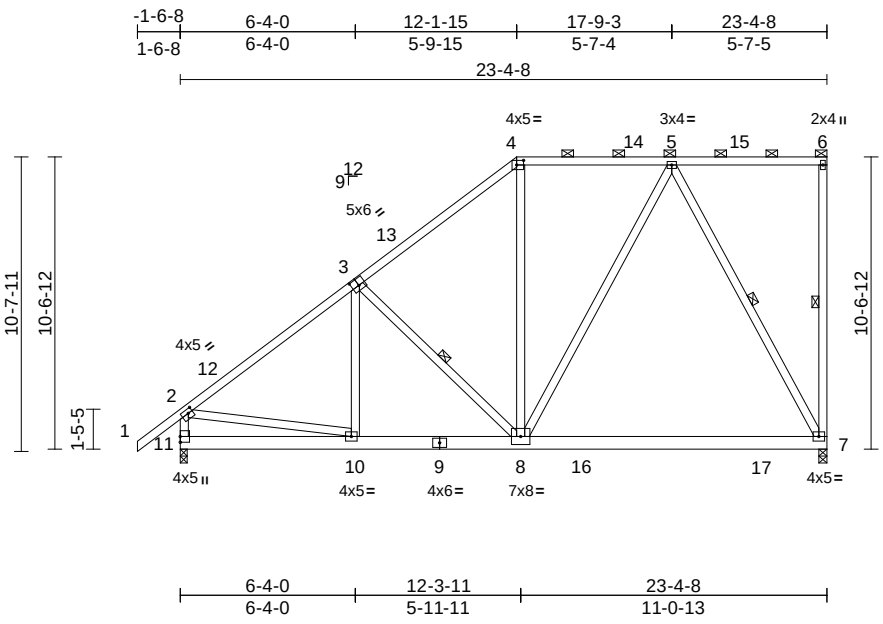

Scale = 1:83.3

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
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 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
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) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
8) 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.
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
1) 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

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

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 Page: 1
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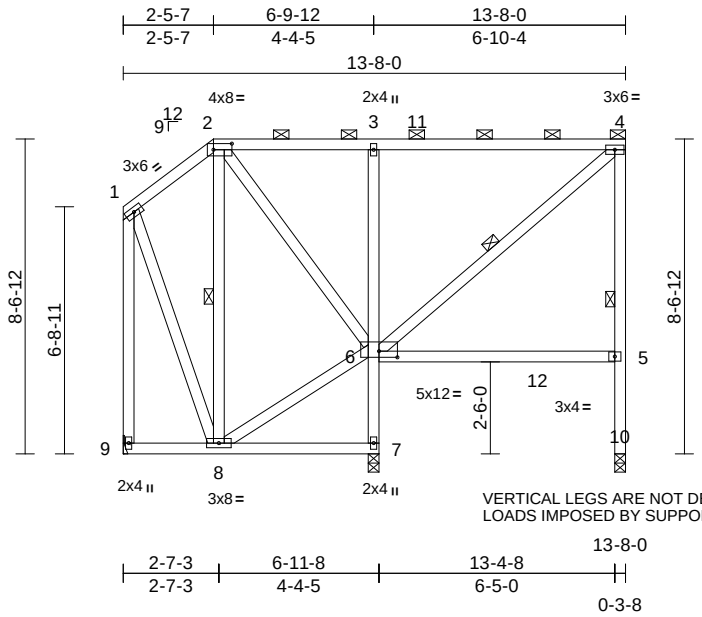

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Plate Offsets (X, Y): [2:0-6-0,0-2-0], [6:0-6-0,0-2-0]

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
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 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
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) 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.
9) 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.
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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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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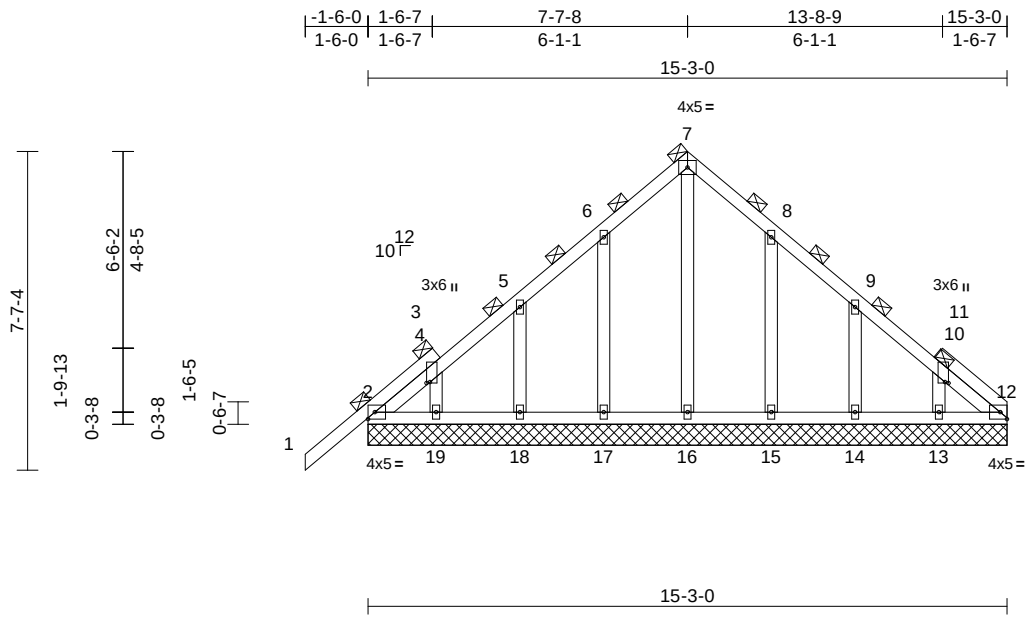

Scale = 1:55

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
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
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) All plates are 2x4 (||) MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 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.
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

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
5240835	T31	Common	4	1	T40110628 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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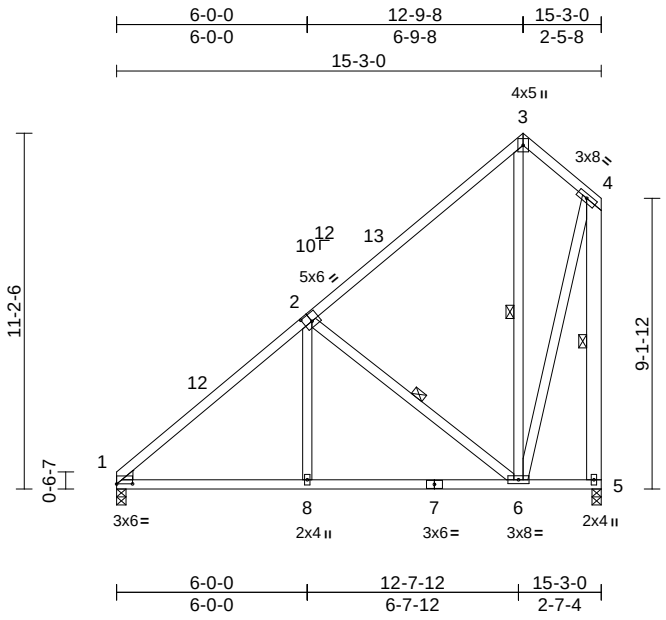

Scale = 1:72.5

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.08	6-8	>999	180		
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
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 0-0-0 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
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.
6) 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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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

MiTek®
16023 Swingley Ridge Rd.
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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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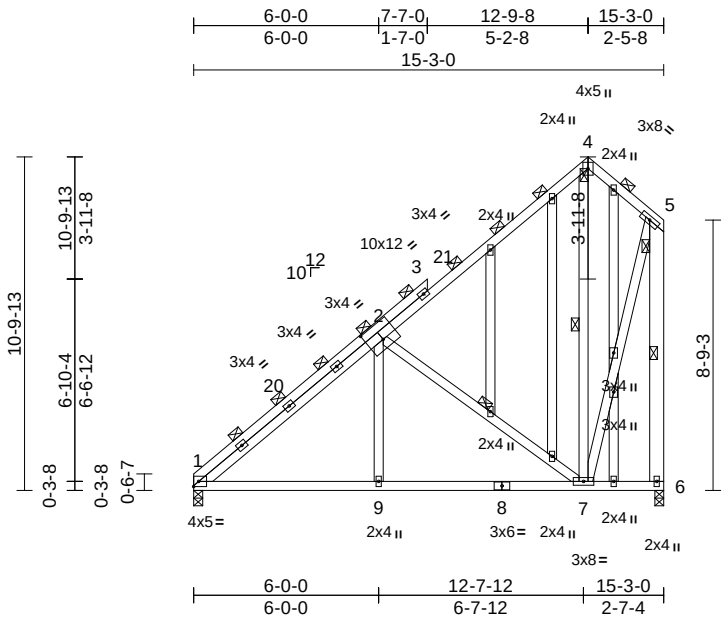

Scale = 1:74.7

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
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 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 6 and 108 lb uplift at joint 1.
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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Date:

February 12,2026

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Job	Truss	Truss Type	Qty	Ply	
5240835	T32	Common Girder	1	**2**	T40110630 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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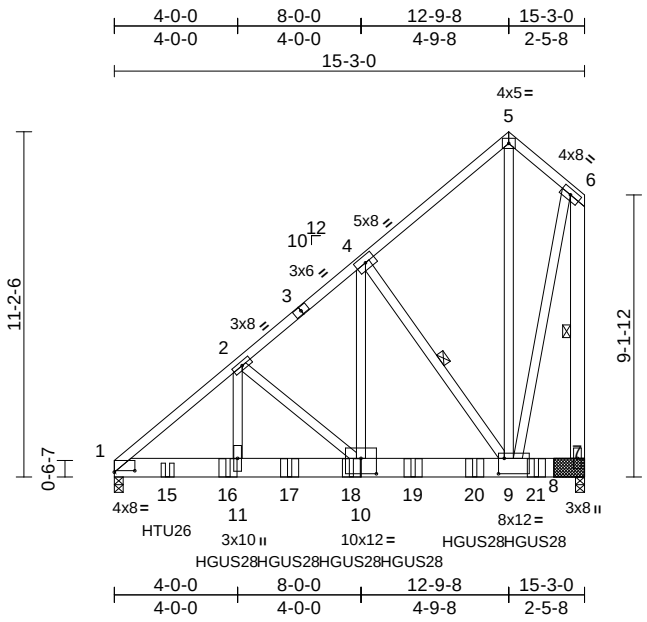

Scale = 1:74.7

Plate Offsets (X, Y): [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 (lb) - Maximum Compression/Maximum Tension
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
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.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 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.
4) Unbalanced roof live loads have been considered for this design.
5) 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
6) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
7) 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.
9) 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.
10) 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.
11) 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.
12) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (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)

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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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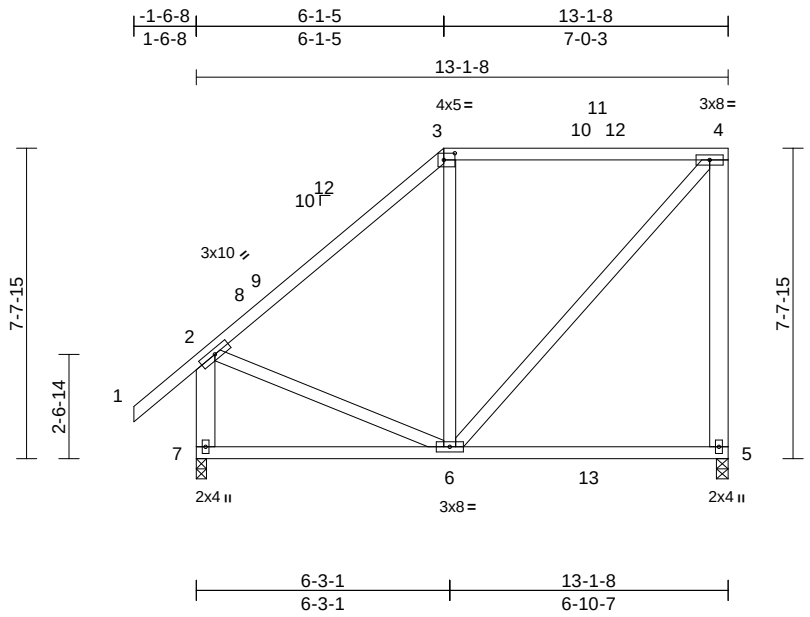

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Plate Offsets (X, Y): [3:0-3-4,0-2-0]

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.12	5-6	>999	180		
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
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 0-10-13 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
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) 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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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	T40110632
					Job Reference (optional)

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

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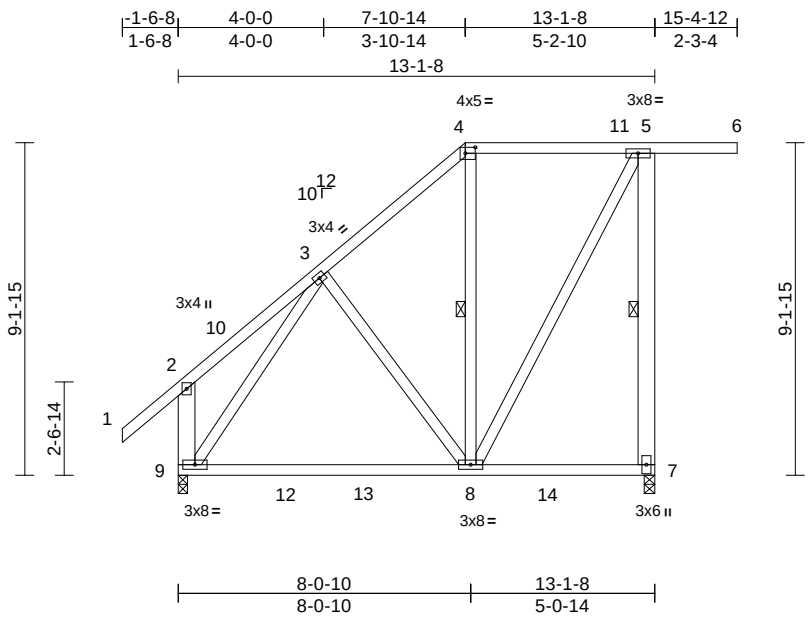

Scale = 1:63.5

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
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 0-10-13 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
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) 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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Date:

February 12,2026

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

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

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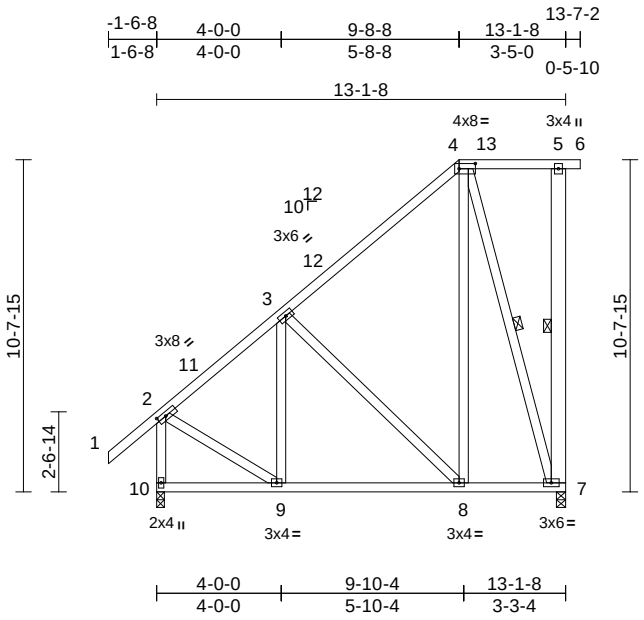

Scale = 1:73.9

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
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 0-10-13 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
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 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
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 12,2026

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

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, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:30 Page: 1
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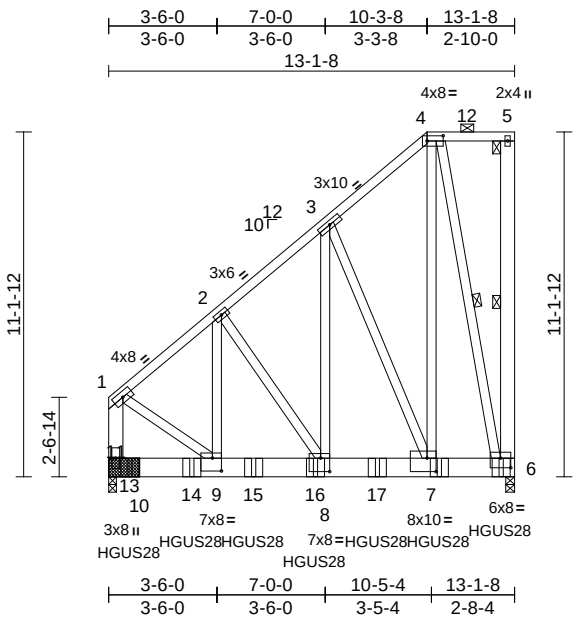

Scale = 1:74.5

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	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.06	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.10	7-8	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.01	6	n/a	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.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 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.
4) Unbalanced roof live loads have been considered for this design.
5) 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
6) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
7) Provide adequate drainage to prevent water ponding.
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 3-06-00 tall by 2-00-00 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 1406 lb uplift at joint 6 and 1215 lb uplift at joint 11.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) 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.
13) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (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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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,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:30
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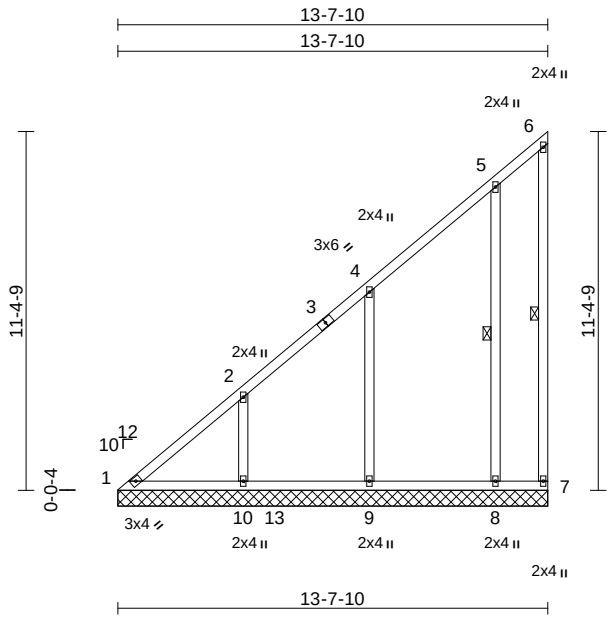

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.21	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

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 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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Date:

February 12,2026

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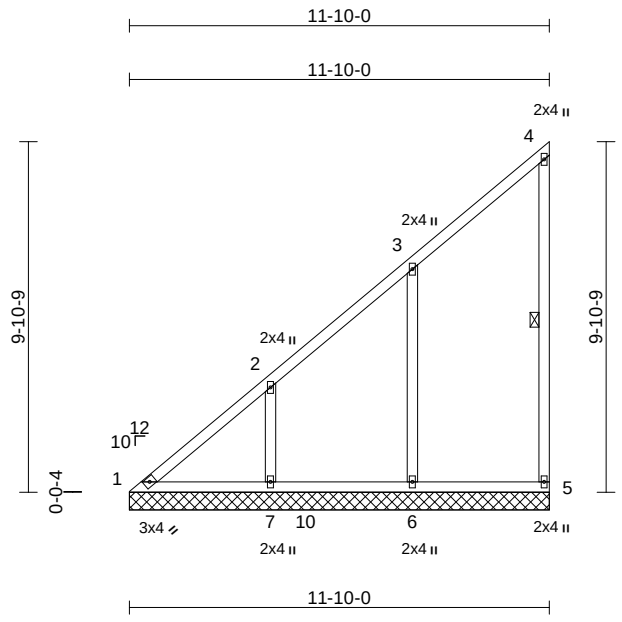
Job	Truss	Truss Type	Qty	Ply	
5240835	V02	Valley	1	1	T40110636
					Job Reference (optional)

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

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Wed Feb 11 09:44:31 ID:deBSGgFwk8Pvd3UeR_m8buzmUVR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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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	0.18	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 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 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 4-0-0 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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Date:

February 12,2026

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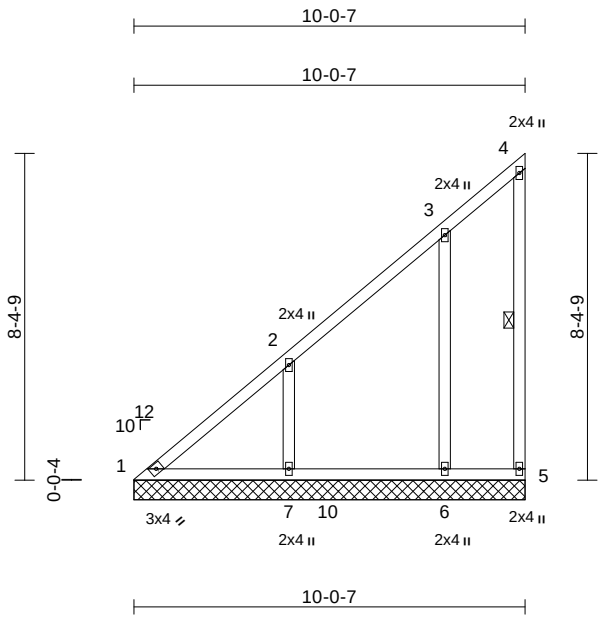
Job	Truss	Truss Type	Qty	Ply	
5240835	V03	Valley	1	1	T40110637
					Job Reference (optional)

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 ID:w_65l3KJ4HHvz8W_LyOnNNzmUVK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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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	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(TL)	n/a	-	n/a	999		
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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Date:

February 12,2026

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

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

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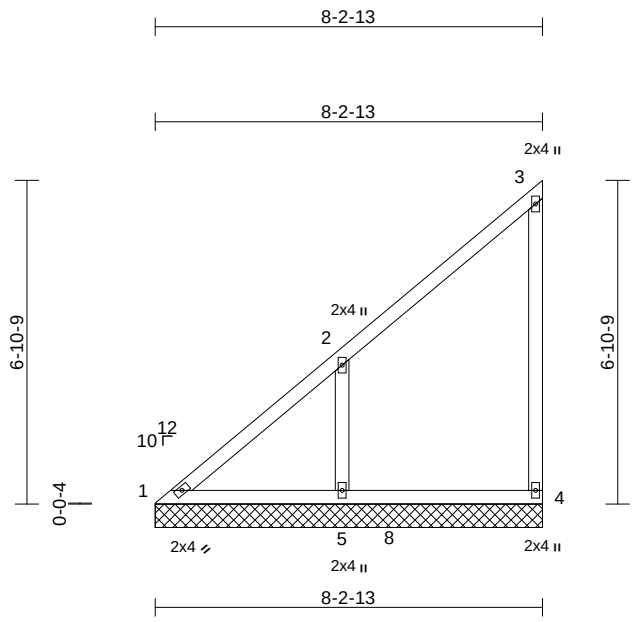

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13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

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 82 lb uplift at joint 4 and 241 lb uplift at joint 5.

LOAD CASE(S) Standard

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Date:

February 12,2026

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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
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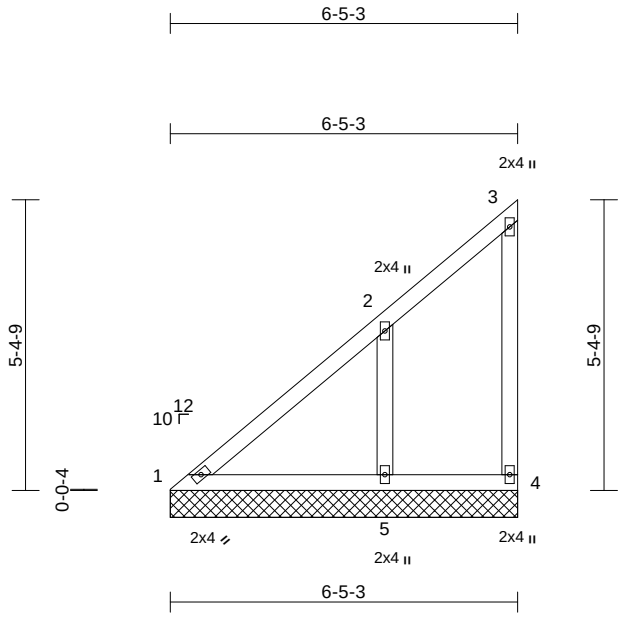

Scale = 1:42.7

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	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(TL)	n/a	-	n/a	999		
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

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.
9) 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 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

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

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
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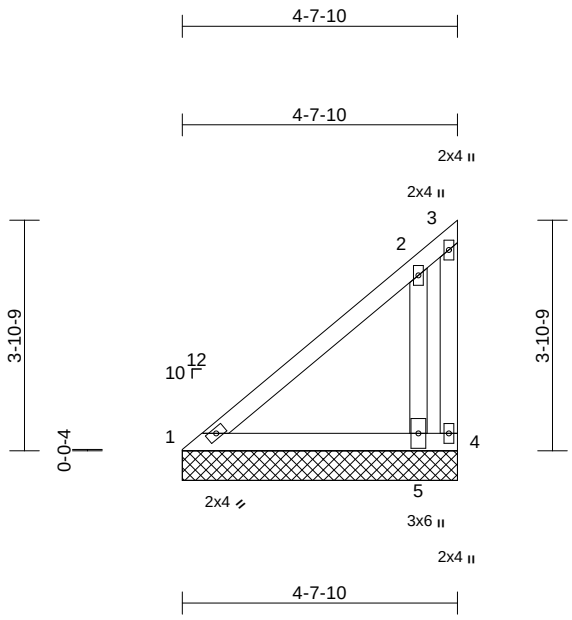

Scale = 1:38.8

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	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	0.13	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
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.
9) 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

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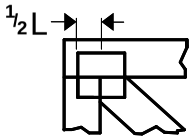
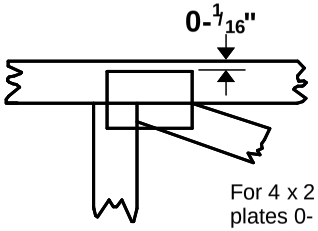
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

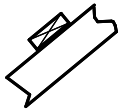
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

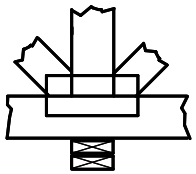
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

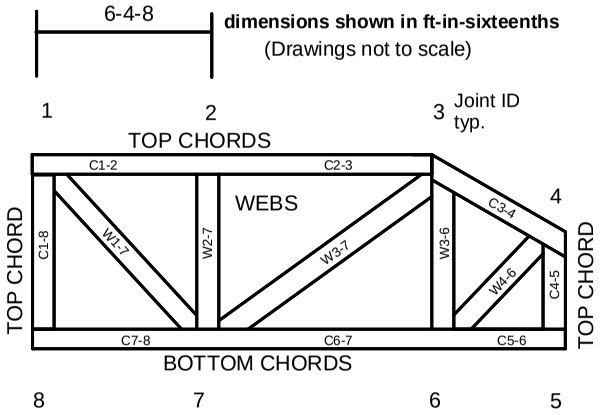


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

Product Code Approvals

ICC-ES Reports:

ESR-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

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

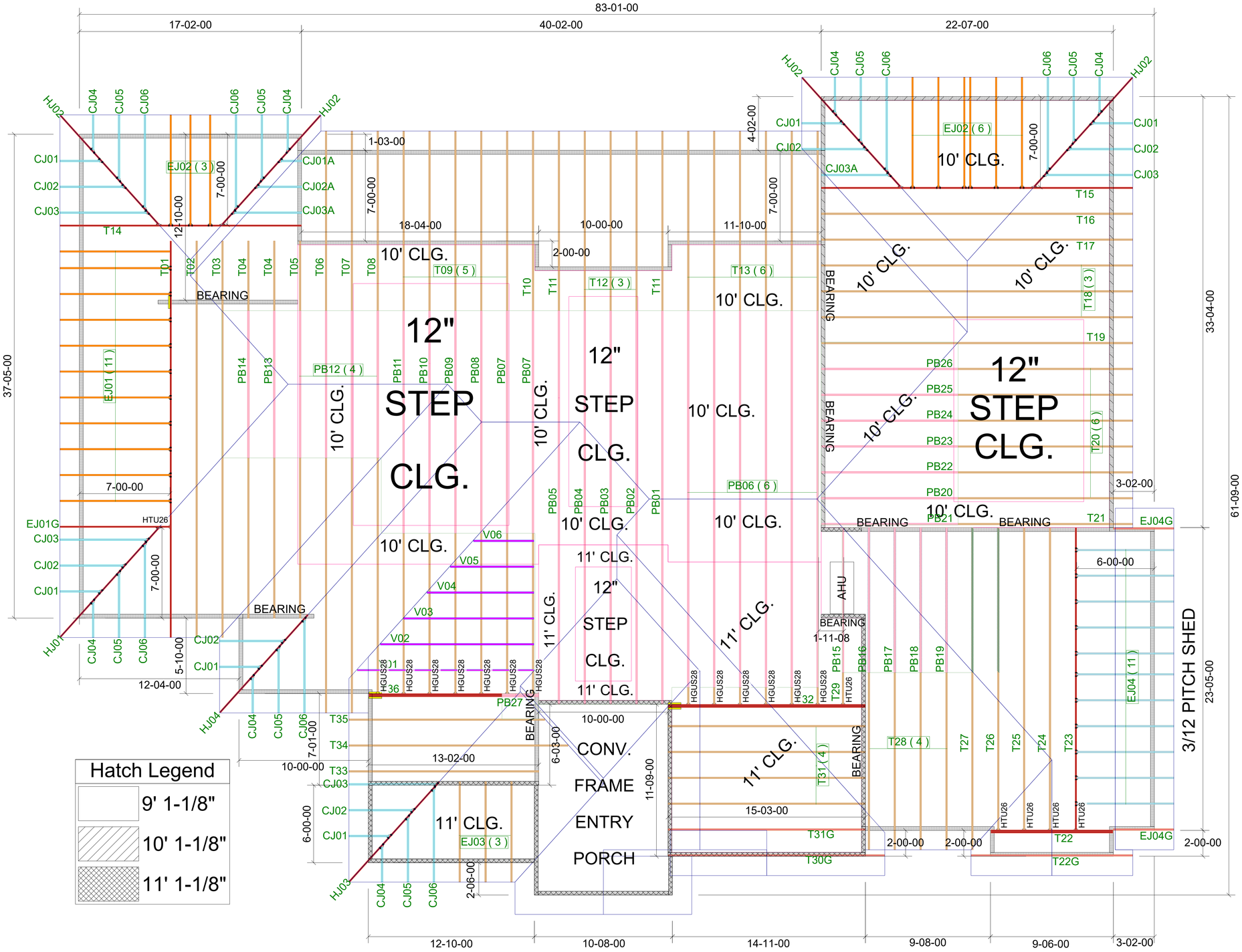
MiTek®

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.

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:	FLOOR LOADING:
TCLL: 20.0 lb/ft²	TCLL: 40.0 lb/ft²
TCDL: 10.0 lb/ft²	TCDL: 10.0 lb/ft²
BCLL: 0.0 lb/ft²	BCLL: 0.0 lb/ft²
BCDL: 10.0 lb/ft²	BCDL: 5.0 lb/ft²
DURATION: 1.25	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:

Builders FirstSource