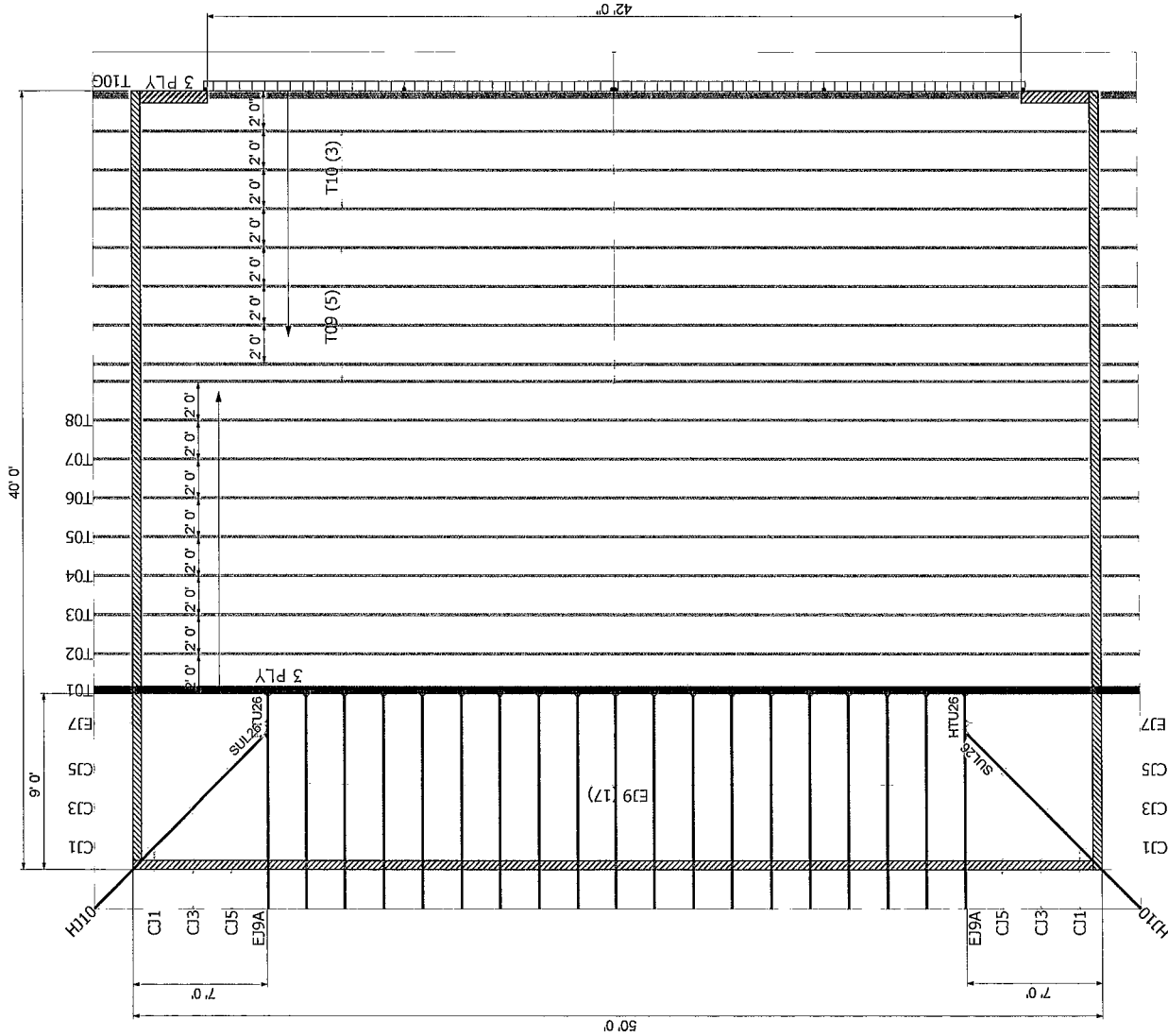
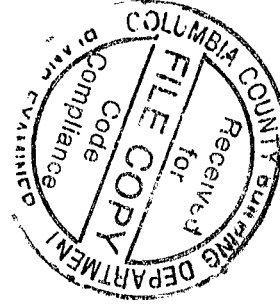
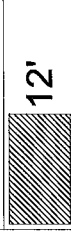




5/12 PITCH
24" OH

Hatch Legend



WARNINGS
Buildings of this type are not to be occupied
without the approval of the local building
department. The owner is responsible for
obtaining all necessary permits and for
compliance with all applicable codes and
regulations. NO EXCEPTIONS.

IMPORTANT
This drawing must be approved and
sealed by a professional engineer or
architect before fabrication. All
dimensions and conditions prior to
fabrication must be approved in writing.
SIGNATURES AND SEALS OF ALL
NOTES AND DIMENSIONS HAVE
BEEN ACCEPTED.

By: _____ Date: _____

FINAL LAYOUT FOR PRODUCTION
Fabricator: _____
Requested Delivery Date: _____

NOTES
1. ALL DIMENSIONS ARE IN FEET AND INCHES.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS ARE TO BE VERIFIED BY THE FABRICATOR.
4. ALL DIMENSIONS ARE TO BE VERIFIED BY THE FABRICATOR.
5. ALL DIMENSIONS ARE TO BE VERIFIED BY THE FABRICATOR.
6. ALL DIMENSIONS ARE TO BE VERIFIED BY THE FABRICATOR.
7. ALL DIMENSIONS ARE TO BE VERIFIED BY THE FABRICATOR.
8. ALL DIMENSIONS ARE TO BE VERIFIED BY THE FABRICATOR.
9. ALL DIMENSIONS ARE TO BE VERIFIED BY THE FABRICATOR.
10. ALL DIMENSIONS ARE TO BE VERIFIED BY THE FABRICATOR.

ROOF PITCH: 5/12
CEILING PITCH: FLAT
TOP CHORD SIZE: 2 X 4
BOTTOM CHORD SIZE: 2 X 4
OVERHANG LENGTH: 24"
END CUT: PLUMB
CANTILEVER: N/A
TRUSS SPACING: 24"
BUILDING CODE: 2021

BEARING HEIGHT SCHEDULE

BUILDER: BRUCE HART
MODEL: CUSTOM
ELEV: GABLE-HIP
ADDRESS: 177 SW Pinnacle Terrace
LOT / BLOCK: N/A
SUBDIVISION: BRIDGEPORT
CITY: Lake City
DRAWN BY: Holloway, Kim
JOB #: 547761
DATE: 06/20/2021 **SCALE:** N.T.S.

REVISIONS:



Summations of limited excerpts of the Code, ANSI/TPI 1-2014, and BCSI, and associated commentary, are provided within the truss submittal package in the Builders FirstSource Component Truss Responsibility and Liability Disclosure. These critical excerpts include, among other elements, critical safety information as well as specific Scope-of-Work assignments (and limitations of the same) for the Owner, Contractor, Building Designer, Truss Designer, and Truss Manufacturer. It is essential that ALL parties to the design and use of the Trusses review and become familiar with the information provided in the Builders FirstSource Component Truss Responsibility and Liability Disclosure, as well as the referenced sources, prior to performing work on the associated project.



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

RE: 5497761 -

MiTek, Inc.

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: Bruce Hart Project Name: Hanger Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 272 SW Plantation Terrace, N/A
City: Columbia Cty State: FL

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

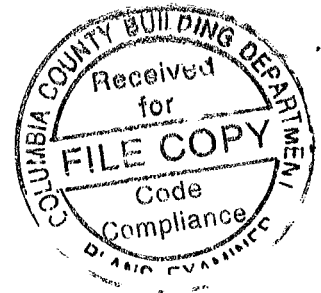
Name: License #:
Address:
City: State:

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

Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 25.4
Wind Code: ASCE 7-22 Wind Speed: 120 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 18 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.

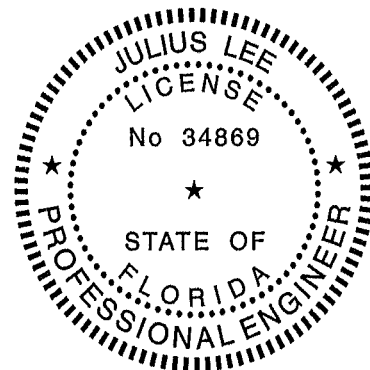
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T41462814	CJ1	6/8/26	15	T41462828	T08	6/8/26
2	T41462815	CJ3	6/8/26	16	T41462829	T09	6/8/26
3	T41462816	CJ5	6/8/26	17	T41462830	T10	6/8/26
4	T41462817	EJ7	6/8/26	18	T41462831	T10G	6/8/26
5	T41462818	EJ9	6/8/26				
6	T41462819	EJ9A	6/8/26				
7	T41462820	HJ10	6/8/26				
8	T41462821	T01	6/8/26				
9	T41462822	T02	6/8/26				
10	T41462823	T03	6/8/26				
11	T41462824	T04	6/8/26				
12	T41462825	T05	6/8/26				
13	T41462826	T06	6/8/26				
14	T41462827	T07	6/8/26				



This item has been digitally signed and sealed by Lee, Julius, 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: Lee, Julius
My license renewal date for the state of Florida is February 28, 2027.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd Chesterfield, MO 63017
Date:

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

June 8, 2026

Lee, Julius

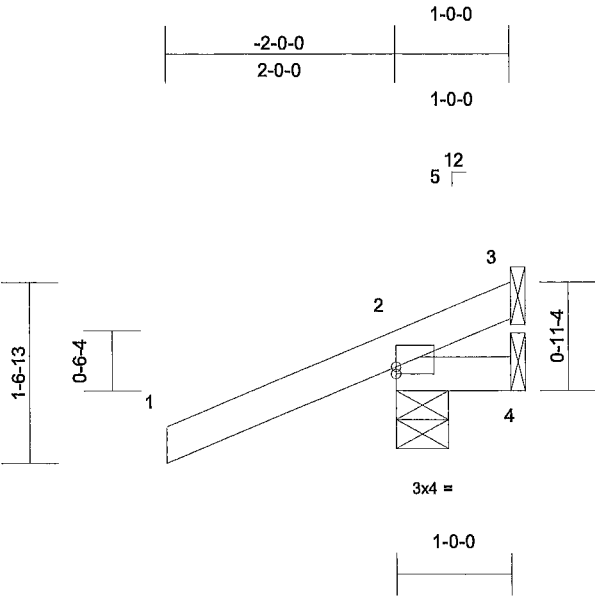
1 of 1

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5497761	CJ1	Jack-Open	4	1	T41462814

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

Run 25.40 S Apr 17 2026 Print: 25.4 0 S Apr 17 2026 MiTek Industries, Inc. Fri Jun 05 12 11 21
ID:RGwSt4cPREnm5p9yfgzNgAycgdx-RfC7PsB70Hq3NSgPqnL8w3uITXbGKWCDol7J4zJC7f

Page: 1



Scale = 1:20 1

Plate Offsets (X, Y) [2 Edge,0-0-12]

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	0.26	Vert(LL)	0 00	4-7	>999	240	MT20	244/190
TCDL	10 0	Lumber DOL	1 25	BC	0 09	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
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

REACTIONS (size) 2=0-5-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=30 (LC 8)
Max Uplift 2=-80 (LC 8), 3=-34 (LC 1), 4=-48 (LC 1)
Max Grav 2=281 (LC 1), 3=17 (LC 8), 4=23 (LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-75/203
BOT CHORD 2-4=-122/34

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 3, 80 lb uplift at joint 2 and 48 lb uplift at joint 4

LOAD CASE(S) Standard

- NOTES**
- 1) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
 - 2) Wind ASCE 7-22, Vult=120mph (3-second gust) Vasd=93mph, TCDL=4 2psf; BCDL=3 0psf; h=18ft; Cat. II, Exp B, Enclosed, MWFRS (envelope) and C-C Exterior (2) 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

This item has been digitally signed and sealed by Lee, Julius, 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.

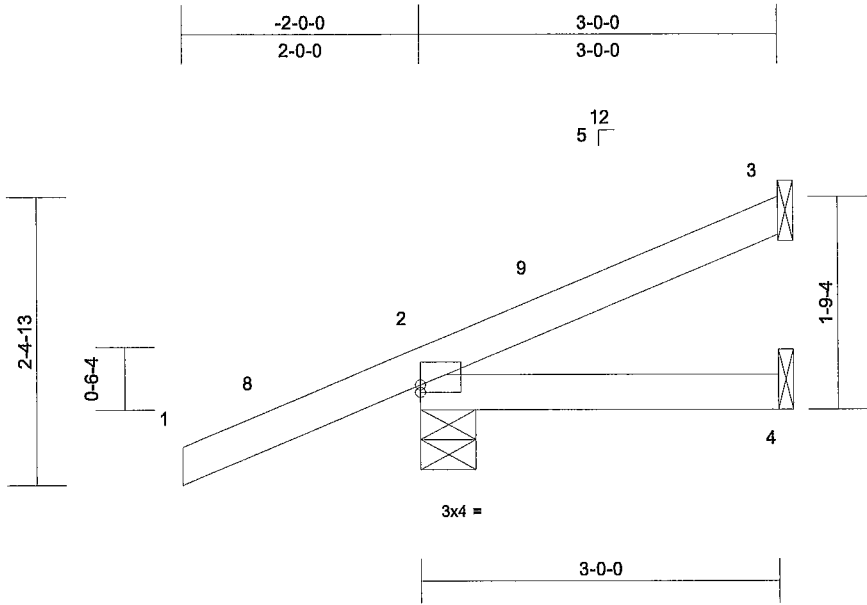
Julius Lee PE No.34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 8,2026

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

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

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5497761	CJ3	Jack-Open	4	1	T41462815



Scale = 1 19.3

Plate Offsets (X, Y) [2 Edge,0-0-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20 0	Plate Grip DOL	1 25	TC	0 24	Vert(LL)	0 00	4-7	>999	240	MT20
TCDL	10 0	Lumber DOL	1 25	BC	0 06	Vert(CT)	-0 01	4-7	>999	180	244/190
BCLL	0 0*	Rep Stress Incr	YES	WB	0 00	Horz(CT)	0 00	2	n/a	n/a	
BCDL	10 0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 13 lb FT = 20%

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

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

REACTIONS (size) 2=0-5-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=43 (LC 8)
Max Uplift 2=-51 (LC 8), 3=-19 (LC 12)
Max Grav 2=278 (LC 1), 3=59 (LC 1), 4=48 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-263/225
BOT CHORD 2-4=-102/76

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 3 and 51 lb uplift at joint 2

LOAD CASE(S) Standard

- NOTES**
- 1) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
 - 2) Wind ASCE 7-22, Vult=120mph (3-second gust) Vasd=93mph, TCDL=4 2psf; BCDL=3 0psf; h=18ft, Cat. II, Exp B, Enclosed, MWFRS (envelope) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 2-11-4 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

This item has been digitally signed and sealed by Lee, Julius, 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.

Julius Lee PE No.34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

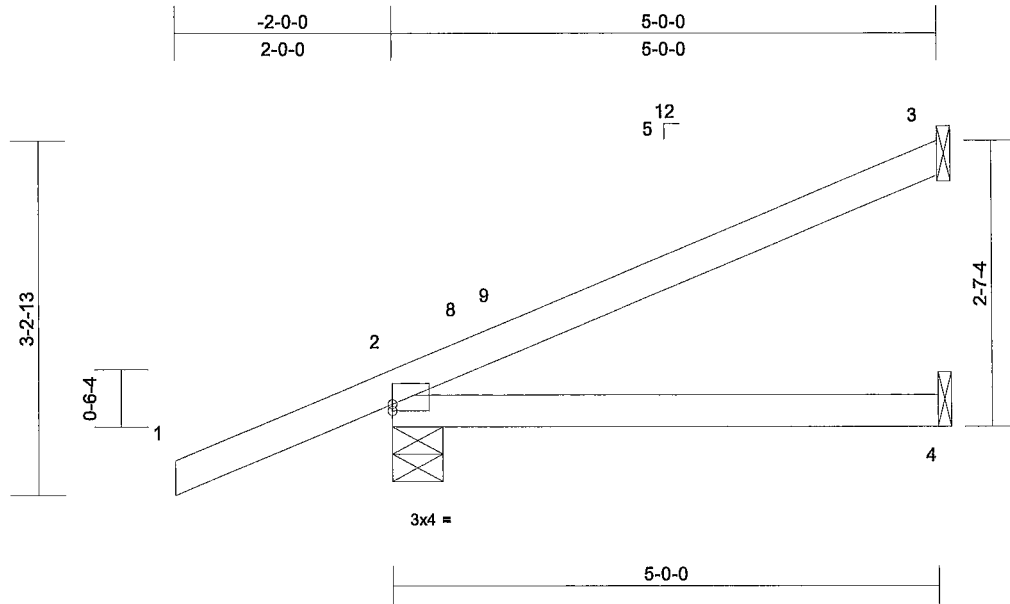
June 8,2026

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5497761	CJ5	Jack-Open	4	1	T41462816

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

Run 25.40 S Apr 17 2026 Print. 25.4.0 S Apr 17 2026 MiTek Industries, Inc. Fri Jun 05 12.11.22
ID RGwSt4cPREnm5p9yfgzNgAycgdx-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDol7J4zJC7f

Page 1



Scale = 1.21 1

Plate Offsets (X, Y) [2 Edge,0-0-12]

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 30	Vert(LL)	-0 02	4-7	>999	240	MT20
TCDL	10 0	Lumber DOL	1 25	BC	0.24	Vert(CT)	-0 05	4-7	>999	180	244/190
BCLL	0 0*	Rep Stress Incr	YES	WB	0 00	Horz(CT)	0 01	3	n/a	n/a	
BCDL	10 0	Code	FBC2023/TPI2014	Matrix-MP							
										Weight 19 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS

(size) 2=0-5-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=62 (LC 12)
Max Uplift 2=-44 (LC 8), 3=-36 (LC 12)
Max Grav 2=342 (LC 1), 3=122 (LC 1), 4=89 (LC 3)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/46, 2-3=-319/264
BOT CHORD 2-4=-102/83

NOTES

- 1) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
- 2) Wind ASCE 7-22, Vult=120mph (3-second gust) Vasd=93mph, TCDL=4 2psf; BCDL=3 0psf; h=18ft; Cat. II, Exp B, Enclosed, MWFRS (envelope) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 4-11-4 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 glrder(s) for truss to truss connections

- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 3 and 44 lb uplift at joint 2

LOAD CASE(S) Standard

This item has been digitally signed and sealed by Lee, Julius, 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.

Julius Leo PE No.34869
MiTek Inc DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd, Chesterfield, MO 63017
Date:

June 8,2026

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

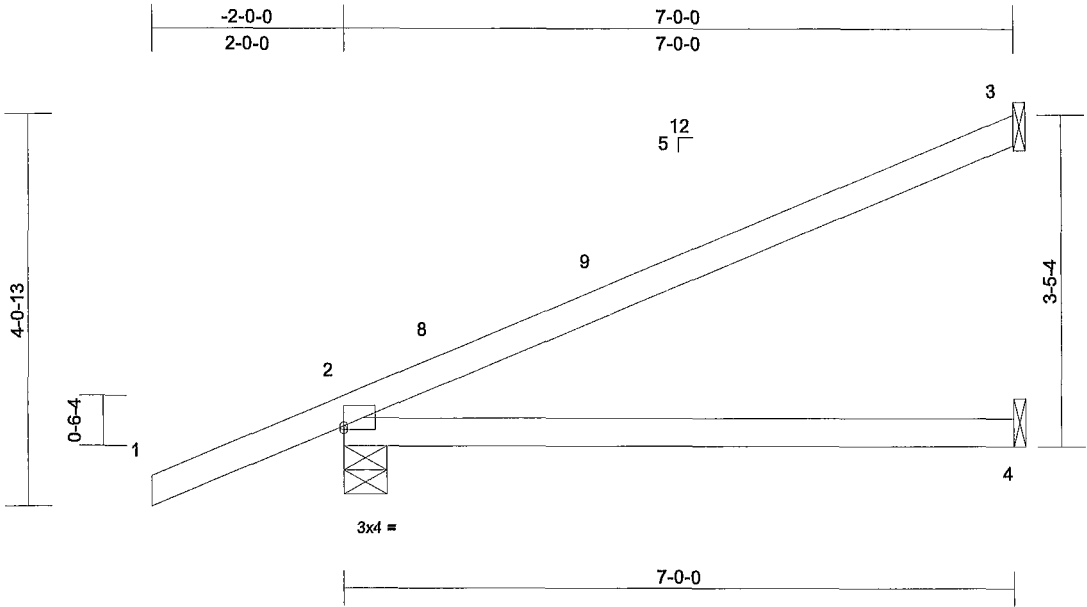
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434 1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5497761	EJ7	Jack-Open	2	1	T41462817

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

Run 25.40 S Apr 17 2026 Print. 25.4 0 S Apr 17 2026 MITek Industries, Inc. Fri Jun 05 12 11 23
ID RGwSt4cPREnm5p9yfgzNgAycgdx-RfC?Psb70Hq3NSgPqnL8w3uITXbGKwCDol7J4zJC?f

Page 1



Scale = 1:24

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20 0	Plate Grip DOL	1 25	TC	0 68	Vert(LL)	-0 10	4-7	>861	240	MT20	244/190
TCDL	10 0	Lumber DOL	1 25	BC	0 53	Vert(CT)	-0 22	4-7	>370	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 00	Horz(CT)	0 02	2	n/a	n/a		
BCDL	10 0	Code	FBC2023/TPI2014	Matrix-MP							Weight 25 lb	FT = 20%

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

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

REACTIONS (size) 2=0-5-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=81 (LC 12)
Max Uplift 2=-41 (LC 8), 3=-52 (LC 12)
Max Grav 2=415 (LC 1), 3=180 (LC 1), 4=128 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-363/331
BOT CHORD 2-4=-173/130

NOTES
1) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
2) Wind ASCE 7-22, Vult=120mph (3-second gust) Vasd=93mph, TCDL=4 2psf; BCDL=3 0psf; h=18ft; Cat. II, Exp B, Enclosed, MWFRS (envelope) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 6-11-4 zone,C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1 60 plate grip DOL=1 60
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 52 lb uplift at joint 3 and 41 lb uplift at joint 2

LOAD CASE(S) Standard

This item has been digitally signed and sealed by Lee, Julius, 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.

Julius Lee PE No.34869
MITek Inc. DBA MITek USA FL Cert 6634
16023 Swingley Ridge Rd Chesterfield, MO 63017
Date,

June 8,2026

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

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpiinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

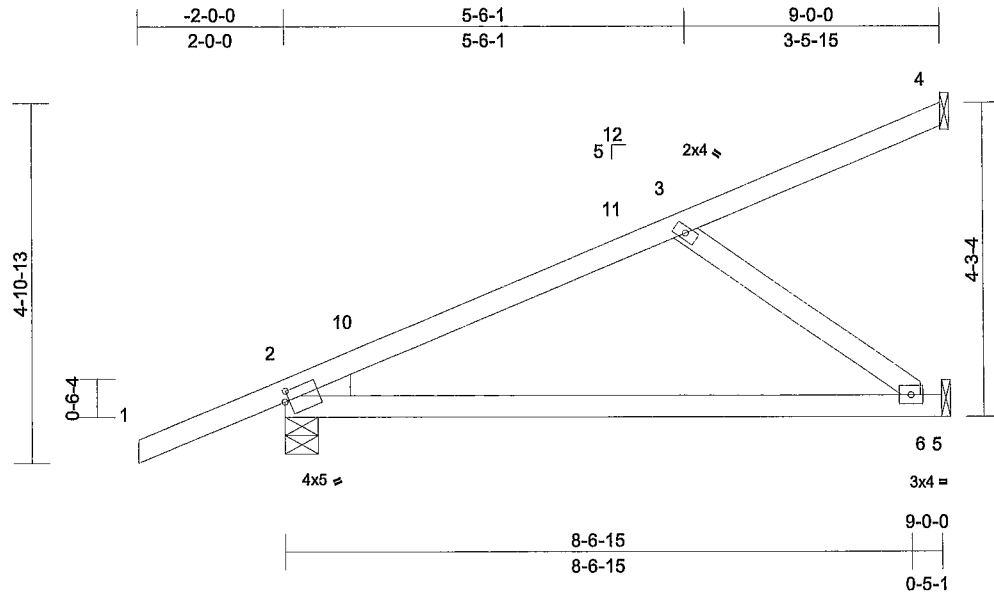
18023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434 1200 / MITek-US.com

Job 5497761	Truss EJ9	Truss Type Jack-Partial	Qty 17	Ply 1	Job Reference (optional) T41462818
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

Run 25.40 S Apr 17 2026 Print: 25.4 0 S Apr 17 2026 MiTek Industries, Inc. Fri Jun 05 12.11.23
ID RGwSt4cPREnm5p9yfgzNgAycgdx-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDol7J4zJC7f

Page 1



Scale = 1/31.6

Plate Offsets (X, Y) [2 0-0-11, 0-1-10]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20 0	Plate Grip DOL	1 25	TC	0 51	Vert(LL)	-0 23	6-9	>466	240	MT20	244/190
TCDL	10 0	Lumber DOL	1 25	BC	0 81	Vert(CT)	-0.47	6-9	>227	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 13	Horz(CT)	0 02	2	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
WEDGE Left: 2x4 SP No 3

BRACING

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

REACTIONS

(size) 2=0-5-8, 4= Mechanical, 5= Mechanical
Max Horiz 2=100 (LC 12)
Max Uplift 2=-40 (LC 12), 4=-24 (LC 12), 5=-31 (LC 12)
Max Grav 2=491 (LC 1), 4=66 (LC 1), 5=278 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-350/56, 3-4=-57/17
BOT CHORD 2-6=-238/289, 5-6=0/0
WEBS 3-6=-358/169

NOTES

- Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
- Wind ASCE 7-22, Vult=120mph (3-second gust) Vasd=93mph, TCDL=4 2psf; BCDL=3 0psf; h=18ft; Cat II, Exp B, Enclosed; MWFRS (envelope) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 8-11-4 zone, C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1 60 plate grip DOL=1 60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component
- This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads

- * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
- Refer to girder(s) for truss to truss connections
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 4, 40 lb uplift at joint 2 and 31 lb uplift at joint 5

LOAD CASE(S) Standard

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Julius Lee PE No.34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date.

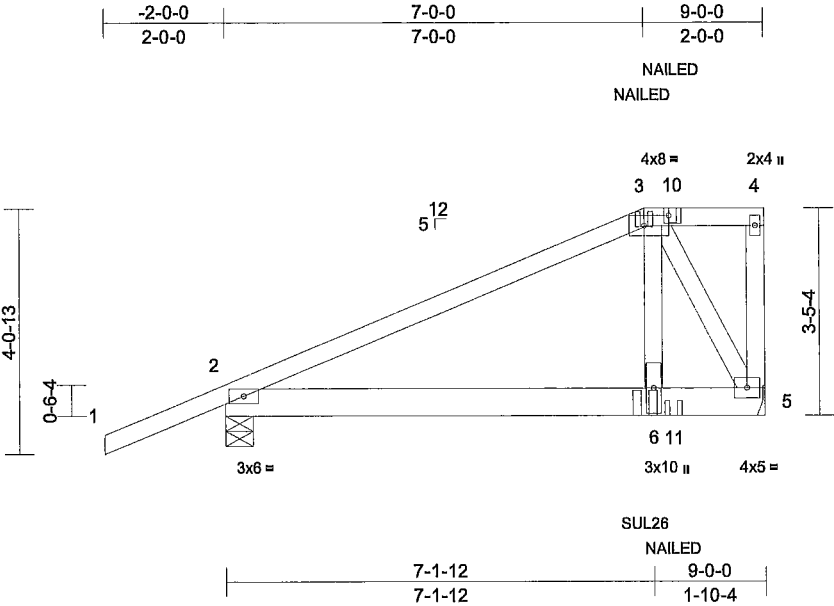
June 8, 2026

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

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

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Job	Truss	Truss Type	Qty	Ply	
5497761	EJ9A	Jack-Closed Girder	2	1	
					T41462819
					Job Reference (optional)



Scale = 1:38.4

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20 0	Plate Grip DOL	1 25	TC	0 48	Vert(LL)	-0 02	6-9	>999	240	MT20
TCDL	10 0	Lumber DOL	1 25	BC	0.28	Vert(CT)	-0 05	6-9	>999	180	244/190
BCLL	0 0 *	Rep Stress Incr	NO	WB	0 23	Horz(CT)	0 00	5	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, except end verticals
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing
- REACTIONS** (size) 2=0-5-8, 5= Mechanical
Max Horiz 2=82 (LC 8)
Max Uplift 2=-62 (LC 8), 5=-103 (LC 8)
Max Grav 2=577 (LC 1), 5=745 (LC 1)
- FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-549/64, 3-4=-8/1, 4-5=-75/16
BOT CHORD 2-6=-66/433, 5-6=-66/457
WEBS 3-6=-2/595, 3-5=-872/126

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design
- 2) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
- 3) Wind ASCE 7-22, Vult=120mph (3-second gust)
Vasd=93mph, TCDL=4 2psf; BCDL=3 0psf; h=18ft; Cat. II, Exp B, Enclosed, MWFRS (envelope), 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) Refer to girder(s) for truss to truss connections
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 2 and 103 lb uplift at joint 5
- 10) Use Simpson Strong-Tie SUL26 (6-10dx1 1/2 Girder, 6-10dx1 1/2 Truss, Single Ply Girder) or equivalent at 7-0-0 from the left end to connect truss(es) to front face of bottom chord, skewed 45 0 deg to the left, sloping 0 0 deg down
- 11) Fill all nail holes where hanger is in contact with lumber
- 12) "NAILED" indicates 3-10d (0 148"x3") or 2-12d (0 148"x3.25") toe-nails per NDS guidelines
- 13) 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, 5-7=-20
Concentrated Loads (lb)
Vert. 6=-258 (F), 3=-55 (F), 10=-120 (F), 11=-60 (F)

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

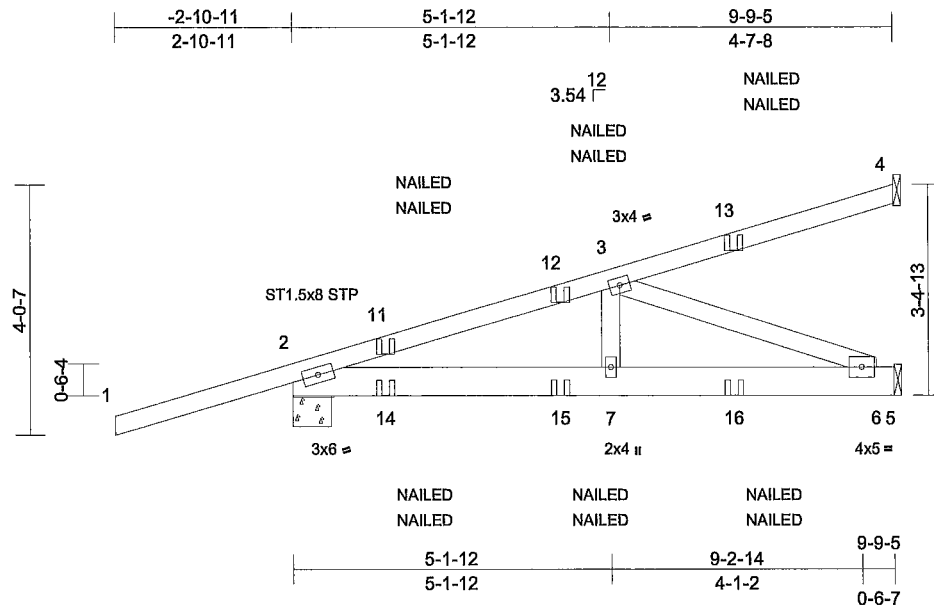
June 8,2026

Job 5497761	Truss HJ10	Truss Type Diagonal Hip Girder	Qty 2	Ply 1	Job Reference (optional) T41462820
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

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Page 1



Scale = 1:37.4

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20 0	Plate Grip DOL	1 25	TC	0 64	Vert(LL)	-0 02	7-10	>999	240	MT20	244/190
TCDL	10 0	Lumber DOL	1 25	BC	0 39	Vert(CT)	-0 03	6-7	>999	180		
BCLL	0 0 *	Rep Stress Incr	NO	WB	0 27	Horz(CT)	-0 01	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
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc
bracing

REACTIONS (size) 2=0-7-6, 4= Mechanical, 5= Mechanical
Max Horiz 2=94 (LC 25)
Max Uplift 2=-121 (LC 4), 4=-41 (LC 4), 5=-21 (LC 8)
Max Grav 2=501 (LC 1), 4=140 (LC 1), 5=287 (LC 3)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-622/219, 3-4=-59/32
BOT CHORD 2-7=-303/580, 6-7=-94/580, 5-6=0/0
WEBS 3-7=-21/202, 3-6=-621/100

NOTES

- 1) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
- 2) Wind ASCE 7-22, Vult=120mph (3-second gust) Vasd=93mph, TCDL=4 2psf, BCDL=3 0psf, h=18ft, Cat. II, Exp B, Enclosed, MWFRS (envelope), 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 glrder(s) for truss to truss connections

- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 4, 121 lb uplift at joint 2 and 21 lb uplift at joint 5
- 8) "NAILED" Indicates 3-10d (0 148"x3") or 2-12d (0 148"x3.25") toe-nails per NDS guidelines
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B)

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced) Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert. 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=66 (F=33, B=33), 13=-74 (F=-37, B=-37), 14=67 (F=34, B=34), 15=10 (F=5, B=5), 16=-46 (F=-23, B=-23)

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

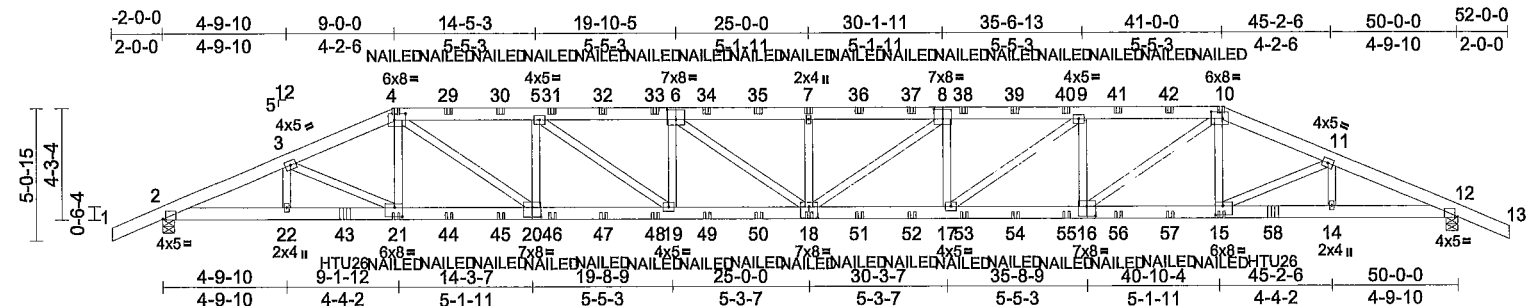
June 8,2026

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Job	Truss	Truss Type	Qty	Ply	
5497761	T01	Hlp Girder	1	3	T41462821
Job Reference (optional)					



Scale = 1.88.9

[2 0-1-4,Edge], [4 0-5-4,0-3-0], [6 0-4-0,0-4-8], [8 0-4-0,0-4-8], [10 0-5-4,0-3-0], [12 0-1-4,Edge], [15 0-3-8,0-4-4], [16 0-4-0,0-4-8], [18 0-4-0,0-5-0], [20 0-4-0,0-4-8],					
Plate Offsets (X, Y) [21 0-3-8,0-4-4]					
Loading	(psf)	Spacing	2-0-0	CSI	DEFL
TCLL (roof)	20 0	Plate Grip DOL	1 25	TC	0 14
BOT CHORD	10 0	Lumber DOL	1 25	BC	0 37
BCLL	0 0 *	Rep Stress Incr	NO	WB	0 60
BCDL	10 0	Code	FBC2023/TPI2014	Matrix-MS	
				in (loc)	l/defl
				Ver(LL)	-0 36
				Ver(CT)	-0 74
				Horz(CT)	0 15
				18	>999
				18	>813
				12	n/a
				n/a	n/a
				PLATES	GRIP
				MT20	244/190
Weight. 1064 lb FT = 20%					

LUMBER
TOP CHORD 2x6 SP 2400F 2 0E or 2x6 SP M 26
BOT CHORD 2x6 SP 2400F 2 0E or 2x6 SP M 26
WEBS 2x4 SP No 3

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

REACTIONS (size) 2=0-5-8, 12=0-5-8
Max Horiz 2=39 (LC 27)
Max Uplift 2=-699 (LC 4), 12=-699 (LC 5)
Max Grav 2=5131 (LC 1), 12=5131 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-11906/1622, 3-4=-11642/1640, 4-5=-14565/2090, 5-7=-17818/2564, 7-9=-17818/2564, 9-10=-14565/2090, 10-11=-11642/1640, 11-12=-11906/1622, 12-13=0/46
BOT CHORD 2-22=-1442/10899, 21-22=-1442/10899, 19-21=-2024/14642, 17-19=-2384/17075, 15-17=-2029/14642, 14-15=-1453/10899, 12-14=-1453/10899
WEBS 3-22=0/217, 3-21=-184/79, 4-21=-153/1300, 10-15=-153/1300, 11-15=-184/80, 11-14=0/217, 10-16=-690/4716, 5-20=-2072/354, 4-20=-690/4716, 5-19=-432/3001, 6-19=-934/182, 6-18=-136/973, 7-18=-322/95, 8-18=-136/973, 8-17=-934/182, 9-17=-432/3001, 9-16=-2072/354

1) 3-ply truss to be connected together with 10d (0 131"x3") nails as follows
Top chords connected as follows 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows 2x6 - 2 rows staggered at 0-9-0 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) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted

5) Wind: ASCE 7-22, Vult=120mph (3-second gust) Vasd=93mph, TCCL=4 2psf; BCDL=3 0psf; h=18ft; Cat II, Exp B, Enclosed, MWFRS (envelope), 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 699 lb uplift at joint 2 and 699 lb uplift at joint 12

11) Use Simpson Strong-Tie HTU26 (20-16d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 35-10-8 oc max starting at 7-0-12 from the left end to 42-11-4 to connect truss(es) to front face of bottom chord

12) Fill all nail holes where hanger is in contact with lumber

13) "NAILED" Indicates 3-10d (0 148"x3") or 3-12d (0 148"x3 25") toe-nails per NDS guidelines

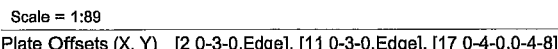
LOAD CASE(S) Standard
1) Dead + Roof Live (balanced) Lumber Increase=1 25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert. 1-4=-60, 4-10=-60, 10-13=-60, 23-26=-20
Concentrated Loads (lb)
Vert: 4=-10 (F), 10=-10 (F), 21=-258 (F), 15=-258 (F), 18=-258 (F), 7=-10 (F), 29=-10 (F), 30=-10 (F), 31=-10 (F), 32=-10 (F), 33=-10 (F), 34=-10 (F), 35=-10 (F), 36=-10 (F), 37=-10 (F), 38=-10 (F), 39=-10 (F), 40=-10 (F), 41=-10 (F), 42=-10 (F), 43=-725 (F), 44=-258 (F), 45=-258 (F), 46=-258 (F), 47=-258 (F), 48=-258 (F), 49=-258 (F), 50=-258 (F), 51=-258 (F), 52=-258 (F), 53=-258 (F), 54=-258 (F), 55=-258 (F), 56=-258 (F), 57=-258 (F), 58=-725 (F)

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Julius Lee PE No.34869
MITek Inc. DBA MITek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 8,2026

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

BRACING
TOP CHORD Structural wood sheathing directly applied
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc
bracing
WEBS 1 Row at midpt 5-20, 8-14

REACTIONS
(size) 2=0-5-8, 11=0-5-8
Max Horiz 2=46 (LC 12)
Max Uplift 2=-184 (LC 8), 11=-184 (LC 9)
Max Grav 2=2120 (LC 1), 11=2120 (LC 1)

FORCES
(lb) - Maximum Compression/Maximum
Tension
TOP CHORD 1-2=0/46, 2-3=-4465/528, 3-4=-4057/493,
4-5=-3743/477, 5-6=-5399/648,
6-8=-5399/648, 8-9=-3743/477,
9-10=-4057/493, 10-11=-4465/528,
11-12=0/46
BOT CHORD 2-21=-423/4066, 20-21=-423/4066,
18-20=-489/4991, 16-18=-489/4991,
14-16=-480/4991, 13-14=-433/4066,
11-13=-433/4066
WEBS 3-21=0/164, 3-20=-407/99, 4-20=-99/1185
5-20=-1595/175, 5-18=0/271, 5-17=-51/57
6-17=-402/95, 8-17=-51/572, 8-16=0/271,
8-14=-1595/175, 9-14=-99/1185,
10-14=-407/99, 10-13=0/164

- 3) Wind ASCE 7-22, Vult=120mph (3-second gust)
Vasd=93mph, TCdL=4.2psf; BCDL=3 0psf; h=18ft, Cat.
II, Exp B, Enclosed, MWFRS (envelope) and C-C Zone3
2 0-0 to 3-0-0, Zone1 3-0-0 to 11-0-0, Zone2 11-0-0 to
18-0-14, Zone1 18-0-14 to 39-0-0, Zone2 39-0-0 to
46-0-14, Zone1 46-0-14 to 52-0-0 zone;C-C for members
and forces & MWFRS for reactions shown, 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 184 lb uplift at joint
2 and 184 lb uplift at joint 11
- 9) Warning the unusually long span and/or configuration of
this truss requires that extreme care be used in its
application
- 10) Ensure that over-all building bracing is designed by
qualified engineer architect or building designer

LOAD CASE(S) Standard

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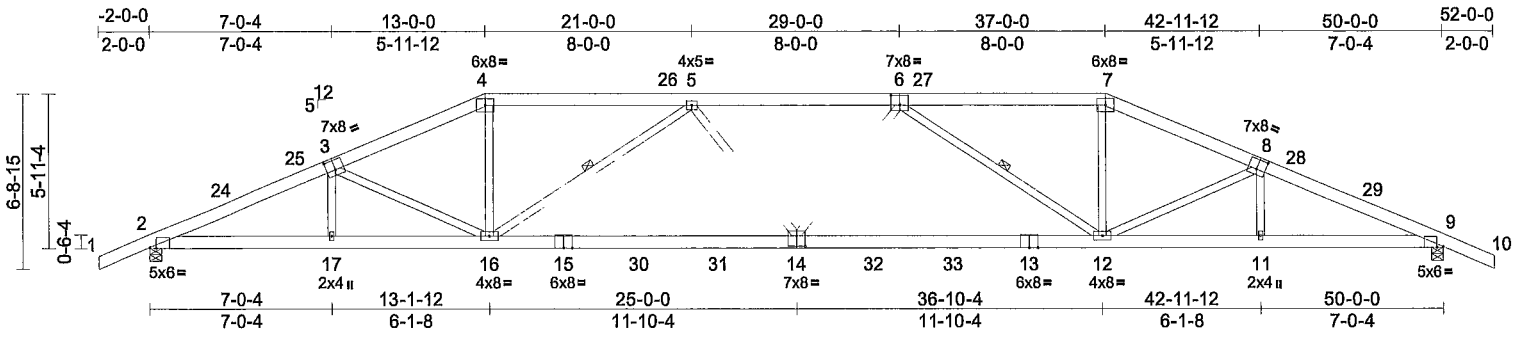
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 8, 2026



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Job	Truss	Truss Type	Qty	Ply	
5497761	T03	Hip	1	1	T41462823
Job Reference (optional)					



Scale = 1:89 1									
Plate Offsets (X, Y) [2 0-3-0,Edge], [3 0-4-0,0-4-8], [6 0-4-0,0-4-8], [8 0-4-0,0-4-8], [9 0-3-0,Edge], [14 0-4-0,0-4-12]									
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d
TCLL (roof)	20 0	Plate Grip DOL	1 25	TC	0 38	Vert(LL)	-0 42	12-14	>999
TCDL	10 0	Lumber DOL	1 25	BC	0 99	Vert(CT)	-0 77	12-14	>775
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 60	Horz(CT)	0 20	9	n/a
BCDL	10 0	Code	FBC2023/TPI2014	Matrix-MS					
PLATES GRIP									
MT20 244/190									
Weight: 338 lb FT = 20%									

LUMBER
TOP CHORD 2x6 SP No 2
BOT CHORD 2x6 SP No 2 *Except* 14-13,15-14 2x6 SP
2400F 2 OE or 2x6 SP M 26
WEBS 2x4 SP No 3

BRACING
TOP CHORD Structural wood sheathing directly applied
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc
bracing
WEBS 1 Row at midpt 5-16, 6-12

REACTIONS (size) 2=0-5-8, 9=0-5-8
Max Horiz 2=-53 (LC 13)
Max Uplift 2=-172 (LC 8), 9=-172 (LC 9)
Max Grav 2=2271 (LC 2), 9=2271 (LC 2)

FORCES (lb) - Maximum Compression/Maximum
Tension
TOP CHORD 1-2=0/46, 2-4=-4809/532, 4-5=-3923/470,
5-7=-5064/556, 7-9=-4809/532, 9-10=0/46
BOT CHORD 2-17=-422/4400, 16-17=-423/4397,
12-16=-440/4879, 11-12=-432/4397,
9-11=-431/4400
WEBS 3-17=0/195, 3-16=-570/126, 4-16=-80/1288,
5-16=-1259/153, 5-14=0/374, 6-14=0/374,
6-12=-1259/153, 7-12=-80/1288,
8-12=-570/126, 8-11=0/195

NOTES (9-10)
1) Unbalanced roof live loads have been considered for this design
2) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
3) Wind ASCE 7-22, Vult=120mph (3-second gust)
Vasd=93mph, TCDL=4 2psf; BCDL=3 0psf; h=18ft; Cat. II, Exp B, Enclosed, MWFRS (envelope) and C-C Zone3
-2-0-0 to 3-0-0, Zone1 3-0-0 to 13-0-0, Zone2 13-0-0 to 20-0-14, Zone1 20-0-14 to 37-0-0, Zone2 37-0-0 to 44-0-14, Zone1 44-0-14 to 52-0-0 zone, C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1 60 plate grip DOL=1 60

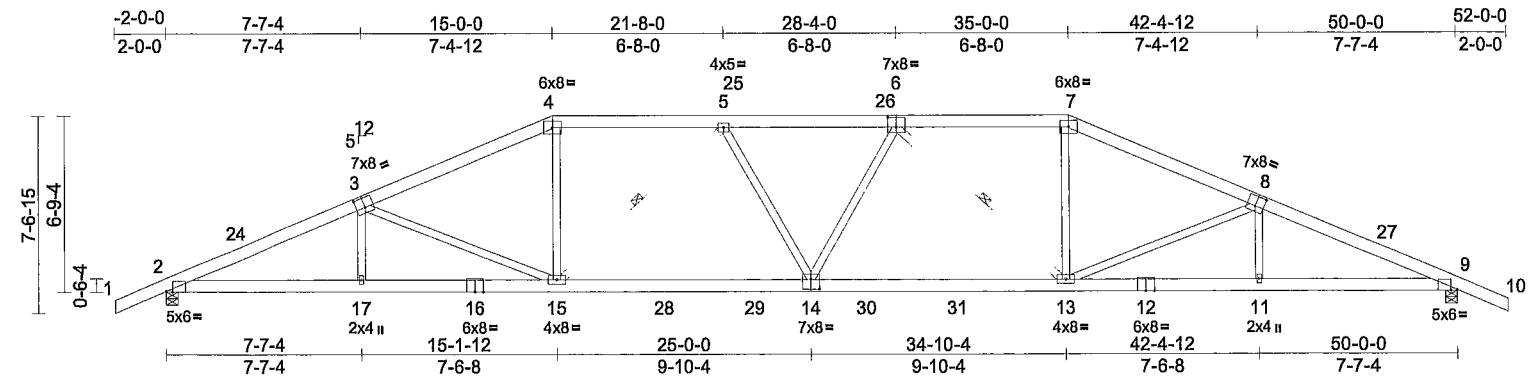
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding
 - This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
 - * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10 0psf
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 172 lb uplift at joint 2 and 172 lb uplift at joint 9
 - Warning the unusually long span and/or configuration of this truss requires that extreme care be used in its application
 - Ensure that over-all building bracing is designed by qualified engineer architect or building designer
- LOAD CASE(S)** Standard

This item has been digitally signed and sealed by Lee, Julius, 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.

Julius Lee PE No.34869
MITek Inc. DBA MITek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 8,2026

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5497761	T04	Hip	1	1	T41462824



Scale = 1.89.3									
Plate Offsets (X, Y) [2'-0-3-0,Edge], [3'-0-4-0,0-4-8], [6 0-4-0,0-4-8], [8 0-4-0,0-4-8], [9 0-3-0,Edge], [14 0-4-0,0-4-8]									
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d
TCLL (roof)	20 0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	-0 38	13-14	>999
TCDL	10 0	Lumber DOL	1 25	BC	0 93	Vert(CT)	-0 70	13-14	>862
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 99	Horz(CT)	0 22	9	n/a
BCDL	10 0	Code	FBC2023/TP12014	Matrix-MS					
					Weight	345 lb	FT = 20%		

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

BRACING
TOP CHORD Structural wood sheathing directly applied
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing
WEBS 1 Row at midpt 5-15, 6-13

REACTIONS (size) 2=0-5-8, 9=0-5-8
Max Horiz 2=-60 (LC 13)
Max Uplift 2=-160 (LC 8), 9=-160 (LC 9)
Max Grav 2=2278 (LC 2), 9=2278 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-4=-4824/537, 4-5=-3724/467, 5-7=-4401/517, 7-9=-4824/537, 9-10=0/46
BOT CHORD 2-17=-425/4413, 15-17=-426/4409, 13-15=-369/4290, 11-13=-434/4409, 9-11=-434/4413
WEBS 3-17=0/270, 3-15=-782/149, 4-15=-72/1206, 5-15=-895/111, 5-14=0/312, 6-14=0/312, 6-13=-895/111, 7-13=-72/1206, 8-13=-782/149, 8-11=0/270

NOTES (9-10)
1) Unbalanced roof live loads have been considered for this design
2) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
3) Wind ASCE 7-22; Vult=120mph (3-second gust) Vasd=93mph, TCDL=4 2psf; BCDL=3 0psf; h=18ft, Cat. II, Exp B, Enclosed, MWFRS (envelope) and C-C Zone3 -2-0-0 to 3-0-0, Zone1 3-0-0 to 15-0-0, Zone2 15-0-0 to 22-0-14, Zone1 22-0-14 to 35-0-0, Zone2 35-0-0 to 42-4-1, Zone1 42-4-1 to 52-0-0 zone,C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1 60 plate grip DOL=1 60

- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding
- This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
- * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10 0psf
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 2 and 160 lb uplift at joint 9
- Warning the unusually long span and/or configuration of this truss requires that extreme care be used in its application
- Ensure that over-all building bracing is designed by qualified engineer architect or building designer

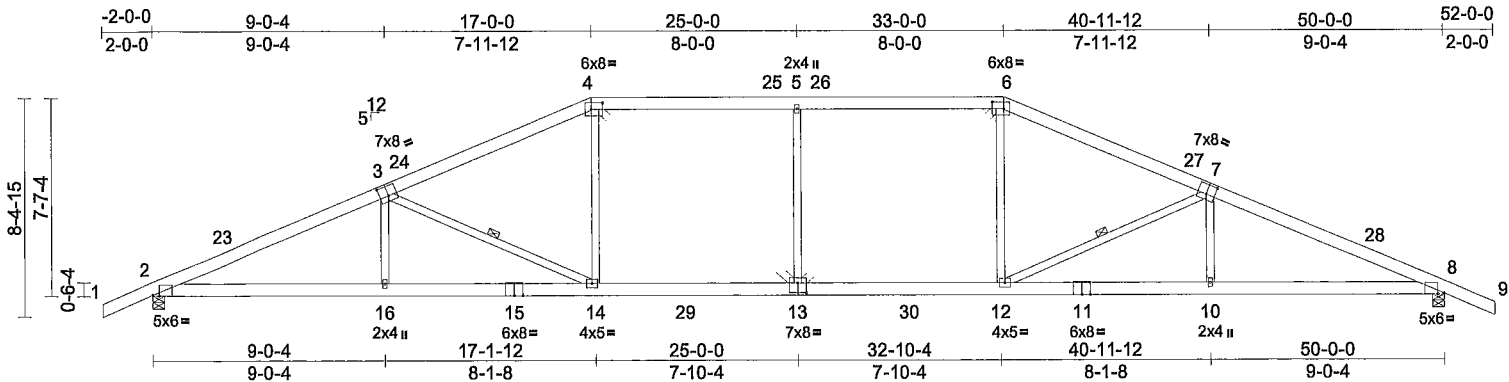
LOAD CASE(S) Standard

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Julius Lee PE No.34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date

June 8,2026

Job	Truss	Truss Type	Qty	Ply	
5497761	T05	Hlp	1	1	T41462825
Job Reference (optional)					



Scale = 1.89 1									
Plate Offsets (X, Y) [2 0-3-0,Edge], [3 0-4-0,0-4-8], [4 0-5-4,0-3-0], [6 0-5-4,0-3-0], [7 0-4-0,0-4-8], [8 0-3-0,Edge], [13 0-4-0,0-4-8]									
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d
TCLL (roof)	20 0	Plate Grip DOL	1 25	TC	0.49	Vert(LL)	-0 32	12-13	>999
TCDL	10 0	Lumber DOL	1 25	BC	0 91	Vert(CT)	-0 59	12-13	>999
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 51	Horz(CT)	0 20	8	n/a
BCDL	10 0	Code	FBC2023/TP12014	Matrix-MS					
					PLATES	GRIP			
					MT20	244/190			
					Weight	347 lb FT = 20%			

LUMBER	
TOP CHORD	2x6 SP No 2
BOT CHORD	2x6 SP No 2
WEBS	2x4 SP No 3
BRACING	
TOP CHORD	Structural wood sheathing directly applied
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing
WEBS	1 Row at mldpt 3-14, 7-12
REACTIONS (size) 2=0-5-8, 8=0-5-8	
Max Horiz	2=-67 (LC 13)
Max Uplift	2=-148 (LC 8), 8=-148 (LC 9)
Max Grav	2=2278 (LC 2), 8=2278 (LC 2)
FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/46, 2-4=-4747/529, 4-5=-3907/503, 5-6=-3907/503, 6-8=-4747/529, 8-9=0/46
BOT CHORD	2-16=-408/4336 14-16=-409/4331, 12-14=-274/3501, 10-12=-418/4331, 8-10=-417/4336
WEBS	3-16=0/344, 3-14=-940/160, 4-14=-23/734, 4-13=-71/688, 5-13=-537/135, 6-13=-71/688, 6-12=-22/734, 7-12=-940/160, 7-10=0/344

- NOTES (9-10)**
- Unbalanced roof live loads have been considered for this design
 - Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
 - Wind ASCE 7-22, Vult=120mph (3-second gust) Vasd=93mph, TCDL=4 2psf; BCDL=3 0psf; h=18ft, Cat. II, Exp B, Enclosed, MWFRS (envelope) and C-C Zone3 -2-0-0 to 3-0-0, Zone1 3-0-0 to 17-0-0, Zone2 17-0-0 to 24-0-14, Zone1 24-0-14 to 33-0-0, Zone2 33-0-0 to 40-0-14, Zone1 40-0-14 to 52-0-0 zone,C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1 60 plate grip DOL=1 60

- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component
 - Provide adequate drainage to prevent water ponding
 - This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
 - * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10 0psf
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 2 and 148 lb uplift at joint 8
 - Warning the unusually long span and/or configuration of this truss requires that extreme care be used in its application
 - Ensure that over-all building bracing is designed by qualified engineer architect or building designer
- LOAD CASE(S)** Standard

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Julius Lee PE No.34869
MITek Inc DBA MITek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date

June 8,2026

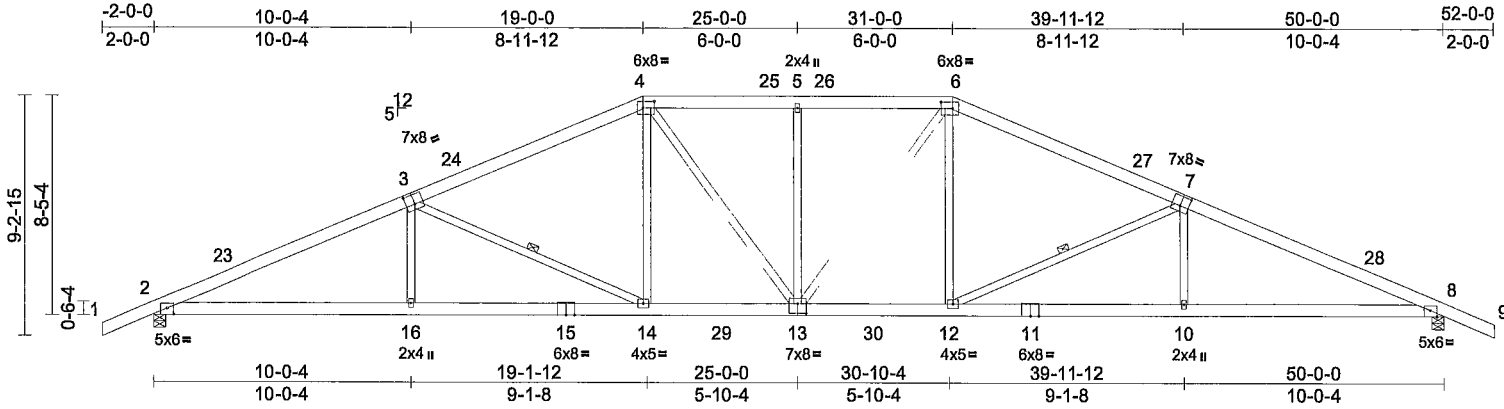
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5497761	T06	Hlp	1	1	T41462826

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

Run. 25.40 S Apr 17 2026 Print. 25.4 0 S Apr 17 2026 MITek Industries, Inc. Fri Jun 05 12 11:24

Page: 1

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Scale = 1/89.2									
Plate Offsets (X, Y) [2 0-3-0,Edge], [3 0-4-0,0-4-8], [4 0-5-4,0-3-0], [6 0-5-4,0-3-0], [7 0-4-0,0-4-8], [8 0-3-0,Edge], [13 0-4-0,0-4-8]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	In	(loc)	I/defl
TCLL (roof)	20 0	Plate Grip DOL	1.25	TC	0 55	Vert(LL)	-0 29	12-13	>999
TCDL	10 0	Lumber DOL	1 25	BC	0 96	Vert(CT)	-0 54	14-16	>999
BCLL	0 0*	Rep Stress Incr	YES	WB	0 57	Horz(CT)	0 20	8	n/a
BCDL	10 0	Code	FBC2023/TPI2014	Matrix-MS					
				PLATES	GRIP				
				MT20	244/190				
				Weight	353 lb FT = 20%				

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

BRACING
TOP CHORD Structural wood sheathing directly applied
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing
WEBS 1 Row at midpt 3-14, 7-12

REACTIONS (size) 2=0-5-8, 8=0-5-8
Max Horiz 2=-74 (LC 13)
Max Uplift 2=-146 (LC 12), 8=-146 (LC 13)
Max Grav 2=2269 (LC 2), 8=2269 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-4=-4670/526, 4-5=-3453/472, 5-6=-3453/472, 6-8=-4670/526, 8-9=0/46
BOT CHORD 2-16=-400/4262, 14-16=-401/4257, 12-14=-249/3273, 10-12=-410/4257, 8-10=-409/4262
WEBS 3-16=0/403, 3-14=-1106/178, 4-14=-29/777, 4-13=-51/475, 5-13=-375/95, 6-13=-51/475, 6-12=-29/777, 7-12=-1106/178, 7-10=0/403

NOTES (9-10)
1) Unbalanced roof live loads have been considered for this design
2) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
3) Wind ASCE 7-22, Vult=120mph (3-second gust) Vasd=93mph, TCCL=4.2psf; BCDL=3 0psf; h=18ft, Cat. II, Exp B, Enclosed, MWFRS (envelope) and C-C Zone3 -2-0-0 to 3-0-0, Zone1 3-0-0 to 19-0-0, Zone2 19-0-0 to 26-0-14, Zone1 26-0-14 to 31-0-0, Zone2 31-0-0 to 38-0-14, Zone1 38-0-14 to 52-0-0 zone,C-C for members and forces & MWFRS for reactions shown, 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, with BCDL = 10 0psf
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 2 and 146 lb uplift at joint 8
- 9) Warning the unusually long span and/or configuration of this truss requires that extreme care be used in its application
- 10) Ensure that over-all building bracing is designed by qualified engineer architect or building designer

LOAD CASE(S) Standard

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Julius Lee PE No.34869
MITek Inc. DBA MITek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 8,2026

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

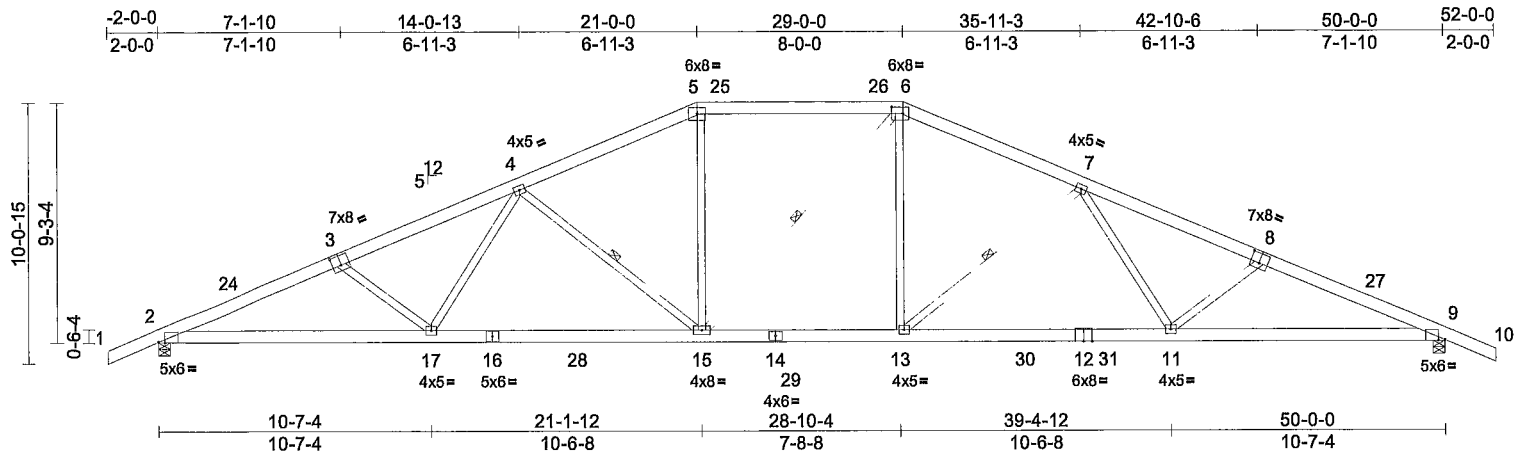
MiTek®
16023 Swingley Ridge Rd
Chesterfield, MO 63017
314.434 1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5497761	T07	Hip	1	1	T41462827

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

Run: 25.40 S Apr 17 2026 Print: 25.4 0 S Apr 17 2026 MiTek Industries, Inc. Fri Jun 05 12 11:24
ID:RGWSt4cPREnm5p9yfgzNgAycgdx-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDol7J4zJC7f

Page: 1



Scale = 1.89:6

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20 0	Plate Grip DOL	1 25	TC	0.45	Vert(LL)	-0 36	11-13	>999	240	MT20	244/190
TCDL	10 0	Lumber DOL	1 25	BC	0 95	Vert(CT)	-0 65	11-13	>928	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0 20	9	n/a	n/a		
BCDL	10 0	Code	FBC2023/TP12014	Matrix-MS							Weight 353 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc
bracing
WEBS 1 Row at midpt 4-15, 6-15, 7-13

REACTIONS

(size) 2=0-5-8, 9=0-5-8
Max Horiz 2=-81 (LC 13)
Max Uplift 2=-155 (LC 12), 9=-155 (LC 13)
Max Grav 2=2304 (LC 2), 9=2308 (LC 2)

FORCES

(lb) - Maximum Compression/Maximum
Tension
TOP CHORD 1-2=0/46, 2-4=-4865/540, 4-5=-3448/451,
5-6=-3132/443, 6-7=-3458/451,
7-9=-4876/539, 9-10=0/46
BOT CHORD 2-17=-427/4459, 15-17=-337/3803,
13-15=-221/3141, 11-13=-347/3814,
9-11=-436/4469
WEBS 3-17=-425/123, 4-17=-18/756, 4-15=-896/165,
5-15=-51/937, 6-15=-238/243, 6-13=-53/954,
7-13=-897/165, 7-11=-18/756, 8-11=-425/124

NOTES (9-10)

- 1) Unbalanced roof live loads have been considered for this design
- 2) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
- 3) Wind ASCE 7-22, Vult=120mph (3-second gust)
Vasd=93mph, TCDL=4 2psf; BCDL=3 0psf; h=18ft, Cat. II; Exp B, Enclosed, MWFRS (envelope) and C-C Zone3
-2-0-0 to 3-0-0, Zone1 3-0-0 to 21-0-0, Zone2 21-0-0 to 28-0-14, Zone1 28-0-14 to 29-0-0, Zone2 29-0-0 to 35-11-3, Zone1 35-11-3 to 52-0-0 zone,C-C for members and forces & MWFRS for reactions shown, 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, with BCDL = 10 0psf
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 2 and 155 lb uplift at joint 9
- 9) Warning the unusually long span and/or configuration of this truss requires that extreme care be used in its application
- 10) Ensure that over-all building bracing is designed by qualified engineer architect or building designer

LOAD CASE(S) Standard

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Julius Lee PE No.34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date*

June 8,2026

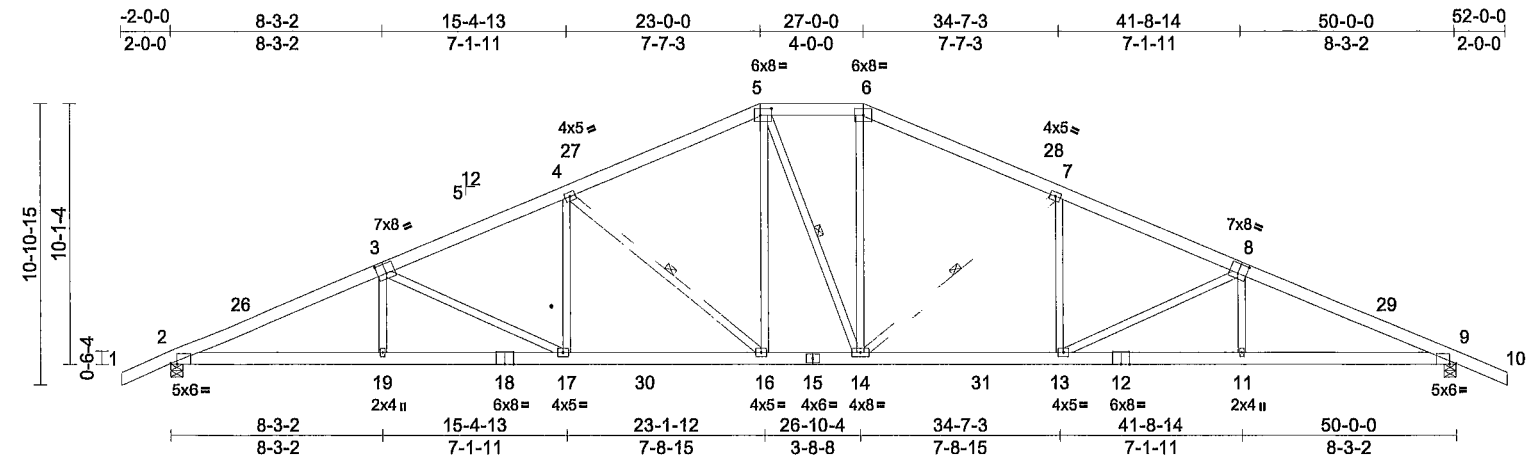
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev 1/2/2023 BEFORE USE.

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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	
5497761	T08	Hip	1	1	
					T41462828
Job Reference (optional)					



Scale = 1.89.8									
Plate Offsets (X, Y) [2 0-3-0,Edge], [3 0-4-0,0-4-8], [5 0-5-4,0-3-0], [8 0-4-0,0-4-8], [9 0-3-0,Edge]									
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d
TCLL (roof)	20 0	Plate Grip DOL	1.25	TC	0.43	Ver(LL)	-0 31	16-17	>999
TCDL	10 0	Lumber DOL	1 25	BC	0 87	Ver(CT)	-0 57	16-17	>999
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 92	Horz(CT)	0 20	9	n/a
BCDL	10 0	Code	FBC2023/TPI2014	Matrix-MS					
					PLATES	GRIP			
					MT20	244/190			
					Weight	373 lb	FT = 20%		

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

BRACING
TOP CHORD Structural wood sheathing directly applied
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing
WEBS 1 Row at mldpt 4-16, 5-14, 7-14

REACTIONS (size) 2=0-5-8, 9=0-5-8
Max Horiz 2=-88 (LC 13)
Max Uplift 2=-163 (LC 12), 9=-163 (LC 13)
Max Grav 2=2271 (LC 2), 9=2271 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-4=4761/502, 4-5=3132/421, 5-6=2835/418, 6-7=3139/422, 7-9=4763/502, 9-10=0/46
BOT CHORD 2-19=-386/4350, 17-19=-387/4346, 16-17=-294/3661, 14-16=-169/2828, 13-14=-303/3658, 11-13=-396/4347, 9-11=-395/4351
WEBS 3-19=0/297, 3-17=-774/120, 4-17=-5/659, 4-16=-1102/167, 5-16=-73/895, 5-14=-230/255, 6-14=-78/902, 7-14=-1091/166, 7-13=-5/852, 8-13=-777/120, 8-11=0/299

NOTES (9-10)
1) Unbalanced roof live loads have been considered for this design
2) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted

- Wind ASCE 7-22, Vult=120mph (3-second gust) Vasd=93mph, TCDL=4.2psf; BCDL=3 0psf; h=18ft, Cat II, Exp B, Enclosed, MWFRS (envelope) and C-C Zone3 -2-0-0 to 3-0-0, Zone1 3-0-0 to 23-0-0, Zone3 23-0-0 to 27-0-0, Zone2 27-0-0 to 34-0-14, Zone1 34-0-14 to 52-0-0 zone,C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1 60 plate grip DOL=1 60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding
- This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
- * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10 0psf
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 163 lb uplift at joint 2 and 163 lb uplift at joint 9
- Warning the unusually long span and/or configuration of this truss requires that extreme care be used in its application
- Ensure that over-all building bracing is designed by qualified engineer architect or building designer

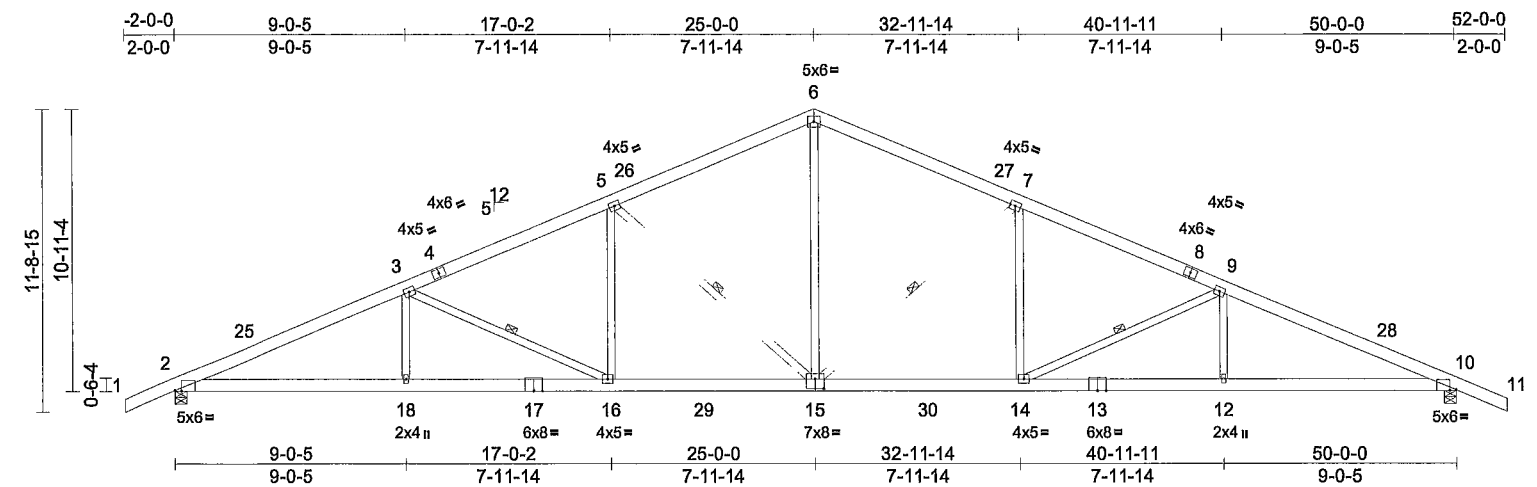
LOAD CASE(S) Standard

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Julius Lee PE No.34869
MITek Inc. DBA MITek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 8,2026

Job	Truss	Truss Type	Qty	Ply	
5497761	T09	Common	5	1	T41462829
Job Reference (optional)					



Scale = 1:90									
Plate Offsets (X, Y) [2 0-3-0,Edge], [10 0-3-0,Edge], [15 0-4-0,0-4-8]									
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d
TCLL (roof)	20 0	Plate Grip DOL	1 25	TC	0 50	Vert(LL)	-0 32	14-15	>999
TCDL	10 0	Lumber DOL	1 25	BC	0 91	Vert(CT)	-0 58	14-15	>999
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 70	Horz(CT)	0 20	10	n/a
BCDL	10 0	Code	FBC2023/TP12014	Matrix-MS					
					Weight: 355 lb FT = 20%				

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

BRACING
TOP CHORD Structural wood sheathing directly applied
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing
WEBS 1 Row at midpt 7-15, 9-14, 5-15, 3-16

REACTIONS (size) 2=0-5-8, 10=0-5-8
Max Horiz 2=-95 (LC 13)
Max Uplift 2=-171 (LC 12), 10=-171 (LC 13)
Max Grav 2=2279 (LC 2), 10=2279 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4748/519, 3-5=-3887/480, 5-6=-2969/436, 6-7=-2969/436, 7-9=-3887/480, 9-10=-4748/519, 10-11=0/46
BOT CHORD 2-18=-388/4336, 16-18=-388/4336, 14-16=-299/3518, 12-14=-403/4336, 10-12=-403/4336
WEBS 6-15=-184/1843, 7-15=-1154/194, 7-14=-9/706, 9-14=-911/137, 9-12=0/345, 5-15=-1154/194, 5-16=-9/706, 3-16=-911/136, 3-18=0/345

NOTES (8-9)
1) Unbalanced roof live loads have been considered for this design
2) Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted
3) Wind ASCE 7-22, Vult=120mph (3-second gust) Vasd=93mph, TCDL=4 2psf, BCDL=3 0psf, h=18ft; Cat. II, Exp B, Enclosed, MWFRS (envelope) and C-C Zone3 -2-0-0 to 3-0-0, Zone1 3-0-0 to 25-0-0, Zone2 25-0-0 to 32-0-14, Zone1 32-0-14 to 52-0-0 zone,C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1 60 plate grip DOL=1 60

- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component
- This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
- * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10 0psf
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint 2 and 171 lb uplift at joint 10
- Warning the unusually long span and/or configuration of this truss requires that extreme care be used in its application
- Ensure that over-all building bracing is designed by qualified engineer architect or building designer

LOAD CASE(S) Standard

This item has been digitally signed and sealed by Lee, Julius, 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.

Julius Lee PE No.34869
MITek Inc. DBA MITek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date

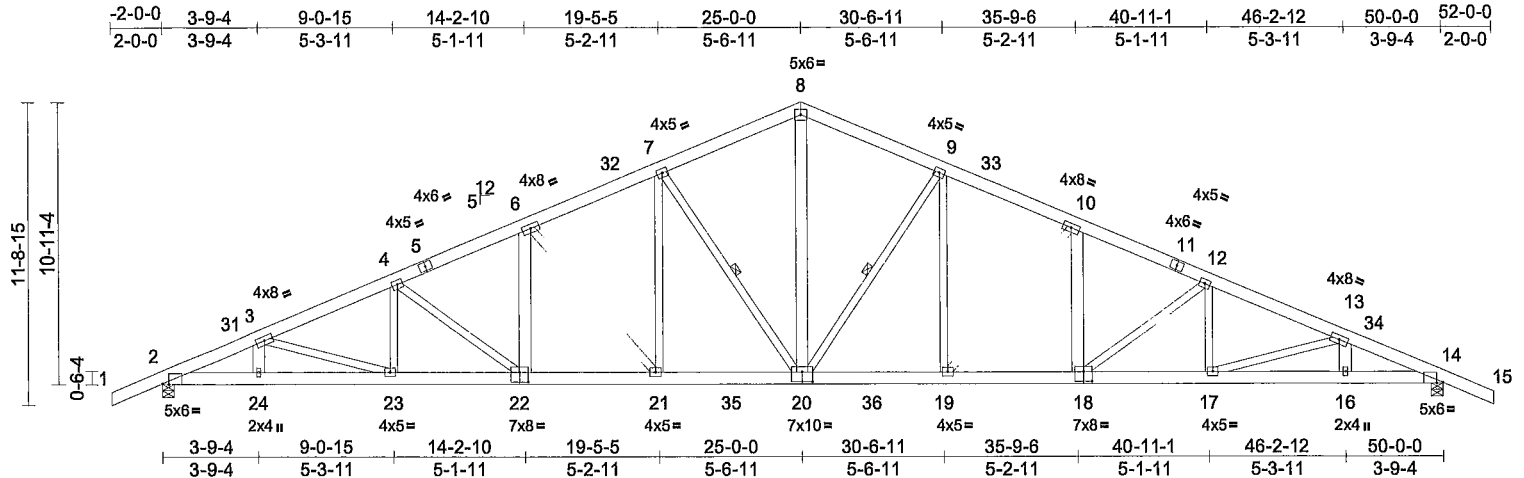
June 8,2026

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5497761	T10	Common	3	1	T41462830

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

Run 25.40 S Apr 17 2026 Print. 25.4.0 S Apr 17 2026 MiTek Industries, Inc. Fri Jun 05 12 11 25
ID:RGWSt4cPREnm5p9yfgzNgAycgdx-RfC7Psb70Hq3NSgPqnL8w3uITxbGKwCDol7J4zJC7f

Page 1



Scale = 1.90

Plate Offsets (X, Y) [2 0-3-0,Edge], [14 0-3-0,Edge], [18 0-4-0,0-4-8], [20 0-5-0,0-4-8], [22 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 31	Vert(LL)	-0 30	20-21	>999	240	MT20
TCDL	10 0	Lumber DOL	1 25	BC	0 85	Vert(CT)	-0 55	20-21	>999	180	244/190
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 89	Horz(CT)	0 20	14	n/a	n/a	
BCDL	10 0	Code	FBC2023/TPI2014	Matrix-MS							Weight 425 lb FT = 20%

LUMBER

TOP CHORD 2x6 SP No 2
BOT CHORD 2x6 SP No 2
WEBS 2x4 SP No 3 *Except*
20-8,10-18,13-16,6-22,3-24 2x6 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing
WEBS 1 Row at midpt 9-20, 7-20

REACTIONS

(size) 2=0-5-8, 14=0-5-8
Max Horiz 2=-95 (LC 13)
Max Uplift 2=-171 (LC 12), 14=-171 (LC 13)
Max Grav 2=2267 (LC 2), 14=2267 (LC 2)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4866/511, 3-4=-4624/519,
4-6=-4106/497, 6-7=-3522/469,
7-8=-2911/442, 8-9=-2911/442,
9-10=-3522/469, 10-12=-4106/497,
12-13=-4624/519, 13-14=-4866/512,
14-15=0/46
BOT CHORD 2-24=-416/4458, 23-24=-416/4458,
21-23=-381/4245, 19-21=-256/3207,
17-19=-396/4245, 16-17=-431/4458,
14-16=-431/4458
WEBS 8-20=-233/1918, 9-20=-1020/183,
9-19=-53/798, 10-19=-779/116,
10-18=-29/587, 12-18=-641/97, 12-17=0/295,
13-17=-251/54, 13-16=-30/102,
7-20=-1020/183, 7-21=-52/798,
6-21=-779/116, 6-22=-29/587, 4-22=-641/97,
4-23=0/295, 3-23=-251/51, 3-24=-30/102

NOTES (8-9)

- Unbalanced roof live loads have been considered for this design
- Designed to ASCE 7-22 basic load combinations for allowable stress design unless otherwise noted

- Wind ASCE 7-22, Vult=120mph (3-second gust)
Vasd=93mph, TCDL=4.2psf; BCDL=3 0psf; h=18ft; Cat.
II, Exp B, Enclosed, MWFRS (envelope) and C-C Zone3
-2-0-0 to 3-0-0, Zone1 3-0-0 to 25-0-0, Zone2 25-0-0 to
32-0-14, Zone1 32-0-14 to 52-0-0 zone,C-C for members
and forces & MWFRS for reactions shown, Lumber
DOL=1 60 plate grip DOL=1 60
- Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- This truss has been designed for a 10 0 psf bottom chord
live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20 0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members, with BCDL = 10 0psf
- Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 171 lb uplift at joint
2 and 171 lb uplift at joint 14
- Warning the unusually long span and/or configuration of
this truss requires that extreme care be used in its
application
- Ensure that over-all building bracing is designed by
qualified engineer architect or building designer

LOAD CASE(S) Standard

This item has been
digitally signed and
sealed by Lee, Julius, PE
on the date indicated here.
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signature must be verified
on any electronic copies.

Julius Lee PE No.34869
MiTek Inc DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

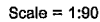
June 8,2026

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpiinst.org) and **BCS! Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

Build: 25.40 S Apr 17 2026 Print: 25.40 S Apr 17 2026 MITek Industries, Inc. Fri Jun 05 12.11.25 Page 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 00	TC	0 29	Vert(LL)	-0 04	20-21	>999	240	MT20	244/190
TCDL	10 0	Lumber DOL	1 00	BC	0.49	Vert(CT)	-0 20	21-22	>999	180		
BCLL	0 0*	Rep Stress Incr	YES	WB	0 73	Horz(CT)	0 05	16	n/a	n/a		
BCDL	10 0	Code	FBC2023/TP12014	Matrix-MS							Weight: 1420 lb FT = 20%	

NOTES (15-16) live load nonconcurrent with any other live loads

James Lee PE No. 34869
 MITek Inc. DBA MITek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date June 8, 2026

Julius Lee PE No.34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date _____

June 8, 2026

Continued on page 2

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

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5497761	T10G	GABLE	1	3	T41462831

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

Run 25.40 S Apr 17 2026 Print: 25.4.0 S Apr 17 2026 MiTek Industries, Inc. Fri Jun 05 12 11 25

Page: 2

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- 17) Ensure that over-all building bracing is designed by qualified engineer architect or building designer

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced) Lumber Increase=1 00, Plate Increase=1 00

Uniform Loads (lb/ft)

Vert 1-8=-60, 8-15=-60, 24-73=-20, 16-76=-20

Concentrated Loads (lb)

Vert. 20=-241 (F), 18=-361 (F), 22=-361 (F)

Trapezoidal Loads (lb/ft)

Vert 24=-212 (F=-192)-to-83=-178 (F=-158), 83=-360 (F=-340)-to-23=-347 (F=-327), 23=-347 (F=-327)-to-84=-333 (F=-313), 84=-151 (F=-131)-to-22=-120 (F=-100), 22=-120 (F=-100)-to-85=-84 (F=-64), 85=-266 (F=-246)-to-21=-252 (F=-232), 21=-252 (F=-232)-to-86=-239 (F=-219), 86=-57 (F=-37)-to-87=-45 (F=-25), 87=-45 (F=-25)-to-20=-20, 20=-20-to-88=-45 (F=-25), 88=-45 (F=-25)-to-89=-57 (F=-37), 89=-239 (F=-219)-to-19=-252 (F=-232), 19=-252 (F=-232)-to-90=-266 (F=-246), 90=-84 (F=-64)-to-18=-120 (F=-100), 18=-120 (F=-100)-to-91=-151 (F=-131), 91=-333 (F=-313)-to-17=-347 (F=-327), 17=-347 (F=-327)-to-92=-360 (F=-340), 92=-178 (F=-158)-to-16=-212 (F=-192)

- 2) Dead + 0 75 Roof Live (balanced) + 0 75 Uninhab Attic Storage Lumber Increase=1 00, Plate Increase=1 00

Uniform Loads (lb/ft)

Vert: 1-8=-50, 8-15=-50, 24-73=-35, 16-76=-35

Concentrated Loads (lb)

Vert 20=-241 (F), 18=-361 (F), 22=-361 (F)

Trapezoidal Loads (lb/ft)

Vert. 24=-227 (F=-192)-to-83=-193 (F=-158), 83=-375 (F=-340)-to-23=-362 (F=-327), 23=-362 (F=-327)-to-84=-348 (F=-313), 84=-166 (F=-131)-to-22=-135 (F=-100), 22=-135 (F=-100)-to-85=-99 (F=-64), 85=-281 (F=-246)-to-21=-267 (F=-232), 21=-282 (F=-232)-to-86=-269 (F=-219), 86=-87 (F=-37)-to-87=-75 (F=-25), 87=-60 (F=-25)-to-20=-35, 20=-35-to-88=-60 (F=-25), 88=-75 (F=-25)-to-89=-87 (F=-37), 89=-269 (F=-219)-to-19=-282 (F=-232), 19=-267 (F=-232)-to-90=-281 (F=-246), 90=-99 (F=-64)-to-18=-135 (F=-100), 18=-135 (F=-100)-to-91=-166 (F=-131), 91=-348 (F=-313)-to-17=-362 (F=-327), 17=-362 (F=-327)-to-92=-375 (F=-340), 92=-193 (F=-158)-to-16=-227 (F=-192)

- 3) Dead + Uninhabitable Attic Without Storage Lumber Increase=1.25, Plate Increase=1 25

Uniform Loads (lb/ft)

Vert. 1-8=-20, 8-15=-20, 24-73=-40, 16-76=-40

Concentrated Loads (lb)

Vert. 20=-241 (F), 18=-361 (F), 22=-361 (F)

Trapezoidal Loads (lb/ft)

Vert 24=-232 (F=-192)-to-83=-198 (F=-158), 83=-380 (F=-340)-to-23=-367 (F=-327), 23=-367 (F=-327)-to-84=-353 (F=-313), 84=-171 (F=-131)-to-22=-140 (F=-100), 22=-140 (F=-100)-to-85=-104 (F=-64), 85=-286 (F=-246)-to-21=-272 (F=-232), 21=-272 (F=-232)-to-86=-259 (F=-219), 86=-77 (F=-37)-to-87=-65 (F=-25), 87=-65 (F=-25)-to-20=-40, 20=-40-to-88=-65 (F=-25), 88=-65 (F=-25)-to-89=-77 (F=-37), 89=-259 (F=-219)-to-19=-272 (F=-232), 19=-272 (F=-232)-to-90=-286 (F=-246), 90=-104 (F=-64)-to-18=-140 (F=-100), 18=-140 (F=-100)-to-91=-171 (F=-131), 91=-353 (F=-313)-to-17=-367 (F=-327), 17=-367 (F=-327)-to-92=-380 (F=-340), 92=-198 (F=-158)-to-16=-232 (F=-192)

- 4) Dead + 0 6 C-C Wind (Pos Internal) Case 1 Lumber Increase=1 60, Plate Increase=1 60

Uniform Loads (lb/ft)

Vert 1-2=39, 2-79=27, 8-79=14, 8-81=23, 14-81=14, 14-15=10, 24-73=17, 16-76=17
Horz: 1-2=-47, 2-79=-36, 8-79=-22, 8-81=31, 14-81=22, 14-15=18

Concentrated Loads (lb)

Vert 20=-241 (F), 18=-361 (F), 22=-361 (F)

Trapezoidal Loads (lb/ft)

Vert: 24=-198 (F=-192)-to-83=-164 (F=-158), 83=-346 (F=-340)-to-23=-333 (F=-327), 23=-333 (F=-327)-to-84=-319 (F=-313), 84=-137 (F=-131)-to-22=-106 (F=-100), 22=-106 (F=-100)-to-85=-70 (F=-64), 85=-252 (F=-246)-to-21=-238 (F=-232), 21=-238 (F=-232)-to-86=-225 (F=-219), 86=-43 (F=-37)-to-87=-31 (F=-25), 87=-31 (F=-25)-to-20=-6, 20=-6-to-88=-31 (F=-25), 88=-31 (F=-25)-to-89=-43 (F=-37), 89=-225 (F=-219)-to-19=-238 (F=-232), 19=-238 (F=-232)-to-90=-252 (F=-246), 90=-70 (F=-64)-to-18=-106 (F=-100), 18=-106 (F=-100)-to-91=-137 (F=-131), 91=-319 (F=-313)-to-17=-333 (F=-327), 17=-333 (F=-327)-to-92=-346 (F=-340), 92=-164 (F=-158)-to-16=-198 (F=-192)

- 5) Dead + 0 6 C-C Wind (Pos Internal) Case 2 Lumber Increase=1 60, Plate Increase=1 60

Uniform Loads (lb/ft)

Vert 1-2=10, 2-80=14, 8-80=23, 8-82=14, 14-82=27, 14-15=39, 24-73=17, 16-76=17
Horz 1-2=-18, 2-80=-22, 8-80=-31, 8-82=22, 14-82=36, 14-15=47

Concentrated Loads (lb)

Vert 20=-241 (F), 18=-361 (F), 22=-361 (F)

Trapezoidal Loads (lb/ft)

Vert 24=-198 (F=-192)-to-83=-164 (F=-158), 83=-346 (F=-340)-to-23=-333 (F=-327), 23=-333 (F=-327)-to-84=-319 (F=-313), 84=-137 (F=-131)-to-22=-106 (F=-100), 22=-106 (F=-100)-to-85=-70 (F=-64), 85=-252 (F=-246)-to-21=-238 (F=-232), 21=-238 (F=-232)-to-86=-225 (F=-219), 86=-43 (F=-37)-to-87=-31 (F=-25), 87=-31 (F=-25)-to-20=-6, 20=-6-to-88=-31 (F=-25), 88=-31 (F=-25)-to-89=-43 (F=-37), 89=-225 (F=-219)-to-19=-238 (F=-232), 19=-238 (F=-232)-to-90=-252 (F=-246), 90=-70 (F=-64)-to-18=-106 (F=-100), 18=-106 (F=-100)-to-91=-137 (F=-131), 91=-319 (F=-313)-to-17=-333 (F=-327), 17=-333 (F=-327)-to-92=-346 (F=-340), 92=-164 (F=-158)-to-16=-198 (F=-192)

- 6) Dead + 0 6 C-C Wind (Neg Internal) Case 1 Lumber Increase=1 60, Plate Increase=1 60

Uniform Loads (lb/ft)

Vert 1-2=-11, 2-8=-31, 8-14=-31, 14-15=-27, 24-73=-4, 16-76=-4
Horz 1-2=-9, 2-8=-11, 8-14=-11, 14-15=-7

Concentrated Loads (lb)

Vert 20=-241 (F), 18=-361 (F), 22=-361 (F)

Trapezoidal Loads (lb/ft)

Vert 24=-212 (F=-192)-to-83=-178 (F=-158), 83=-360 (F=-340)-to-23=-347 (F=-327), 23=-347 (F=-327)-to-84=-333 (F=-313), 84=-151 (F=-131)-to-22=-120 (F=-100), 22=-120 (F=-100)-to-85=-84 (F=-64), 85=-266 (F=-246)-to-21=-252 (F=-232), 21=-252 (F=-232)-to-86=-239 (F=-219), 86=-57 (F=-37)-to-87=-45 (F=-25), 87=-45 (F=-25)-to-20=-20, 20=-20-to-88=-45 (F=-25), 88=-45 (F=-25)-to-89=-57 (F=-37), 89=-239 (F=-219)-to-19=-252 (F=-232), 19=-252 (F=-232)-to-90=-266 (F=-246), 90=-84 (F=-64)-to-18=-120 (F=-100), 18=-120 (F=-100)-to-91=-151 (F=-131), 91=-333 (F=-313)-to-17=-347 (F=-327), 17=-347 (F=-327)-to-92=-360 (F=-340), 92=-178 (F=-158)-to-16=-212 (F=-192)

- 7) Dead + 0 6 C-C Wind (Neg Internal) Case 2 Lumber Increase=1 60, Plate Increase=1 60

Uniform Loads (lb/ft)

Vert 1-2=-27, 2-8=-31, 8-14=-31, 14-15=-11, 24-73=-4, 16-76=-4
Horz: 1-2=7, 2-8=11, 8-14=-11, 14-15=9

Concentrated Loads (lb)

Vert 20=-241 (F), 18=-361 (F), 22=-361 (F)

Trapezoidal Loads (lb/ft)

Vert: 24=-212 (F=-192)-to-83=-178 (F=-158), 83=-360 (F=-340)-to-23=-347 (F=-327), 23=-347 (F=-327)-to-84=-333 (F=-313), 84=-151 (F=-131)-to-22=-120 (F=-100), 22=-120 (F=-100)-to-85=-84 (F=-64), 85=-266 (F=-246)-to-21=-252 (F=-232), 21=-252 (F=-232)-to-86=-239 (F=-219), 86=-57 (F=-37)-to-87=-45 (F=-25), 87=-45 (F=-25)-to-20=-20, 20=-20-to-88=-45 (F=-25), 88=-45 (F=-25)-to-89=-57 (F=-37), 89=-239 (F=-219)-to-19=-252 (F=-232), 19=-252 (F=-232)-to-90=-266 (F=-246), 90=-84 (F=-64)-to-18=-120 (F=-100), 18=-120 (F=-100)-to-91=-151 (F=-131), 91=-333 (F=-313)-to-17=-347 (F=-327), 17=-347 (F=-327)-to-92=-360 (F=-340), 92=-178 (F=-158)-to-16=-212 (F=-192)

- 8) Dead + 0 6 MWFRS Wind (Pos Internal) Left. Lumber Increase=1 60, Plate Increase=1 60

Uniform Loads (lb/ft)

Vert 1-2=26, 2-8=15, 8-14=13, 14-15=9, 24-73=10, 16-76=10
Horz 1-2=-35, 2-8=-24, 8-14=22, 14-15=17

Concentrated Loads (lb)

Vert 20=-241 (F), 18=-361 (F), 22=-361 (F)

Trapezoidal Loads (lb/ft)

Vert 24=-198 (F=-192)-to-83=-164 (F=-158), 83=-346 (F=-340)-to-23=-333 (F=-327), 23=-333 (F=-327)-to-84=-319 (F=-313), 84=-137 (F=-131)-to-22=-106 (F=-100), 22=-106 (F=-100)-to-85=-70 (F=-64), 85=-252 (F=-246)-to-21=-238 (F=-232), 21=-238 (F=-232)-to-86=-225 (F=-219), 86=-43 (F=-37)-to-87=-31 (F=-25), 87=-31 (F=-25)-to-20=-6, 20=-6-to-88=-31 (F=-25), 88=-31 (F=-25)-to-89=-43 (F=-37), 89=-225 (F=-219)-to-19=-238 (F=-232), 19=-238 (F=-232)-to-90=-252 (F=-246), 90=-70 (F=-64)-to-18=-106 (F=-100), 18=-106 (F=-100)-to-91=-137 (F=-131), 91=-319 (F=-313)-to-17=-333 (F=-327), 17=-333 (F=-327)-to-92=-346 (F=-340), 92=-164 (F=-158)-to-16=-198 (F=-192)

- 9) Dead + 0 6 MWFRS Wind (Pos Internal) Right: Lumber Increase=1 60, Plate Increase=1 60

Uniform Loads (lb/ft)

Vert 1-2=9, 2-8=13, 8-14=15, 14-15=26, 24-73=10, 16-76=10
Horz 1-2=-17, 2-8=-22, 8-14=24, 14-15=35

Concentrated Loads (lb)

Vert 20=-241 (F), 18=-361 (F), 22=-361 (F)

Trapezoidal Loads (lb/ft)

Vert 24=-198 (F=-192)-to-83=-164 (F=-158), 83=-346 (F=-340)-to-23=-333 (F=-327), 23=-333 (F=-327)-to-84=-319 (F=-313), 84=-137 (F=-131)-to-22=-106 (F=-100), 22=-106 (F=-100)-to-85=-70 (F=-64), 85=-252 (F=-246)-to-21=-238 (F=-232), 21=-238 (F=-232)-to-86=-225 (F=-219), 86=-43 (F=-37)-to-87=-31 (F=-25), 87=-31 (F=-25)-to-20=-6, 20=-6-to-88=-31 (F=-25), 88=-31 (F=-25)-to-89=-43 (F=-37), 89=-225 (F=-219)-to-19=-238 (F=-232), 19=-238 (F=-232)-to-90=-252 (F=-246), 90=-70 (F=-64)-to-18=-106 (F=-100), 18=-106 (F=-100)-to-91=-137 (F=-131), 91=-319 (F=-313)-to-17=-333 (F=-327), 17=-333 (F=-327)-to-92=-346 (F=-340), 92=-164 (F=-158)-to-16=-198 (F=-192)

- 10) Dead + 0 6 MWFRS Wind (Neg Internal) Left: Lumber Increase=1 60, Plate Increase=1 60

Uniform Loads (lb/ft)

Vert 1-2=-1, 2-8=-6, 8-14=-8, 14-15=-3, 24-73=-4, 16-76=-4
Horz 1-2=-19, 2-8=-14, 8-14=12, 14-15=17

Concentrated Loads (lb)

Vert 20=-241 (F), 18=-361 (F), 22=-361 (F)

Trapezoidal Loads (lb/ft)

Continued on page 3

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

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5497761	T10G	GABLE	1	3	T41462831

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

Run 25.40 S Apr 17 2026 Print: 25.4.0 S Apr 17 2026 MiTek Industries, Inc. Fri Jun 05 12 11 25
ID.RGW54cPREnm5p9yfgzNgAycgdx-RfC7PsB70Hq3NSgPqnL8w3uITxbGKwCDol7J4zJC7f

Page: 3

- Vert 24=-212 (F=-192)-to-83=-178 (F=-158), 83=-360 (F=-340)-to-23=-347 (F=-327), 23=-347 (F=-327)-to-84=-333 (F=-313), 84=-151 (F=-131)-to-22=-120 (F=-100), 22=-120 (F=-100)-to-85=-84 (F=-64), 85=-266 (F=-246)-to-21=-252 (F=-232), 21=-252 (F=-232)-to-86=-239 (F=-219), 86=-57 (F=-37)-to-87=-45 (F=-25), 87=-45 (F=-25)-to-20=-20, 20=-20-to-88=-45 (F=-25), 88=-45 (F=-25)-to-89=-57 (F=-37), 89=-239 (F=-219)-to-19=-252 (F=-232), 19=-252 (F=-232)-to-90=-266 (F=-246), 90=-84 (F=-64)-to-18=-120 (F=-100), 18=-120 (F=-100)-to-91=-151 (F=-131), 91=-333 (F=-313)-to-17=-347 (F=-327), 17=-347 (F=-327)-to-92=-360 (F=-340), 92=-178 (F=-158)-to-16=-212 (F=-192)
- 11) Dead + 0 6 MWFRS Wind (Neg Internal) Right: Lumber Increase=1 60, Plate Increase=1 60
Uniform Loads (lb/ft)
Vert. 1-2=-3, 2-8=-8, 8-14=-6, 14-15=-1, 24-73=-4, 16-76=-4
Horz 1-2=-17, 2-8=-12, 8-14=14, 14-15=19
Concentrated Loads (lb)
Vert. 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
Vert. 24=-212 (F=-192)-to-83=-178 (F=-158), 83=-360 (F=-340)-to-23=-347 (F=-327), 23=-347 (F=-327)-to-84=-333 (F=-313), 84=-151 (F=-131)-to-22=-120 (F=-100), 22=-120 (F=-100)-to-85=-84 (F=-64), 85=-266 (F=-246)-to-21=-252 (F=-232), 21=-252 (F=-232)-to-86=-239 (F=-219), 86=-57 (F=-37)-to-87=-45 (F=-25), 87=-45 (F=-25)-to-20=-20, 20=-20-to-88=-45 (F=-25), 88=-45 (F=-25)-to-89=-57 (F=-37), 89=-239 (F=-219)-to-19=-252 (F=-232), 19=-252 (F=-232)-to-90=-266 (F=-246), 90=-84 (F=-64)-to-18=-120 (F=-100), 18=-120 (F=-100)-to-91=-151 (F=-131), 91=-333 (F=-313)-to-17=-347 (F=-327), 17=-347 (F=-327)-to-92=-360 (F=-340), 92=-178 (F=-158)-to-16=-212 (F=-192)
- 12) Dead + 0 6 MWFRS Wind (Pos Internal) 1st Parallel Lumber Increase=1 60, Plate Increase=1 60
Uniform Loads (lb/ft)
Vert. 1-2=20, 2-8=24, 8-14=10, 14-15=6, 24-73=-6, 16-76=-6
Horz. 1-2=-28, 2-8=-33, 8-14=19, 14-15=14
Concentrated Loads (lb)
Vert. 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
Vert. 24=-198 (F=-192)-to-83=-164 (F=-158), 83=-346 (F=-340)-to-23=-333 (F=-327), 23=-333 (F=-327)-to-84=-319 (F=-313), 84=-137 (F=-131)-to-22=-106 (F=-100), 22=-106 (F=-100)-to-85=-70 (F=-64), 85=-252 (F=-246)-to-21=-238 (F=-232), 21=-238 (F=-232)-to-86=-225 (F=-219), 86=-43 (F=-37)-to-87=-31 (F=-25), 87=-31 (F=-25)-to-20=-6, 20=-6-to-88=-31 (F=-25), 88=-31 (F=-25)-to-89=-43 (F=-37), 89=-225 (F=-219)-to-19=-238 (F=-232), 19=-238 (F=-232)-to-90=-252 (F=-246), 90=-70 (F=-64)-to-18=-106 (F=-100), 18=-106 (F=-100)-to-91=-137 (F=-131), 91=-319 (F=-313)-to-17=-333 (F=-327), 17=-333 (F=-327)-to-92=-346 (F=-340), 92=-164 (F=-158)-to-16=-198 (F=-192)
- 13) Dead + 0 6 MWFRS Wind (Pos Internal) 2nd Parallel Lumber Increase=1 60, Plate Increase=1 60
Uniform Loads (lb/ft)
Vert. 1-2=6, 2-8=10, 8-14=24, 14-15=20, 24-73=-6, 16-76=-6
Horz. 1-2=-14, 2-8=-19, 8-14=33, 14-15=28
Concentrated Loads (lb)
Vert. 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
- 14) Dead + 0 6 MWFRS Wind (Pos Internal) 3rd Parallel Lumber Increase=1 60, Plate Increase=1 60
Uniform Loads (lb/ft)
Vert. 1-2=20, 2-8=24, 8-14=10, 14-15=6, 24-73=-6, 16-76=-6
Horz. 1-2=-28, 2-8=-33, 8-14=19, 14-15=14
Concentrated Loads (lb)
Vert. 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
Vert. 24=-198 (F=-192)-to-83=-164 (F=-158), 83=-346 (F=-340)-to-23=-333 (F=-327), 23=-333 (F=-327)-to-84=-319 (F=-313), 84=-137 (F=-131)-to-22=-106 (F=-100), 22=-106 (F=-100)-to-85=-70 (F=-64), 85=-252 (F=-246)-to-21=-238 (F=-232), 21=-238 (F=-232)-to-86=-225 (F=-219), 86=-43 (F=-37)-to-87=-31 (F=-25), 87=-31 (F=-25)-to-20=-6, 20=-6-to-88=-31 (F=-25), 88=-31 (F=-25)-to-89=-43 (F=-37), 89=-225 (F=-219)-to-19=-238 (F=-232), 19=-238 (F=-232)-to-90=-252 (F=-246), 90=-70 (F=-64)-to-18=-106 (F=-100), 18=-106 (F=-100)-to-91=-137 (F=-131), 91=-319 (F=-313)-to-17=-333 (F=-327), 17=-333 (F=-327)-to-92=-346 (F=-340), 92=-164 (F=-158)-to-16=-198 (F=-192)
- 15) Dead + 0 6 MWFRS Wind (Pos Internal) 4th Parallel Lumber Increase=1 60, Plate Increase=1 60
Uniform Loads (lb/ft)
Vert. 1-2=6, 2-8=10, 8-14=24, 14-15=20, 24-73=-6, 16-76=-6
Horz. 1-2=-14, 2-8=-19, 8-14=33, 14-15=28
Concentrated Loads (lb)
Vert. 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
Vert. 24=-198 (F=-192)-to-83=-164 (F=-158), 83=-346 (F=-340)-to-23=-333 (F=-327), 23=-333 (F=-327)-to-84=-319 (F=-313), 84=-137 (F=-131)-to-22=-106 (F=-100), 22=-106 (F=-100)-to-85=-70 (F=-64), 85=-252 (F=-246)-to-21=-238 (F=-232), 21=-238 (F=-232)-to-86=-225 (F=-219), 86=-43 (F=-37)-to-87=-31 (F=-25), 87=-31 (F=-25)-to-20=-6, 20=-6-to-88=-31 (F=-25), 88=-31 (F=-25)-to-89=-43 (F=-37), 89=-225 (F=-219)-to-19=-238 (F=-232), 19=-238 (F=-232)-to-90=-252 (F=-246), 90=-70 (F=-64)-to-18=-106 (F=-100), 18=-106 (F=-100)-to-91=-137 (F=-131), 91=-319 (F=-313)-to-17=-333 (F=-327), 17=-333 (F=-327)-to-92=-346 (F=-340), 92=-164 (F=-158)-to-16=-198 (F=-192)
- 16) Dead + 0 6 MWFRS Wind (Neg Internal) 1st Parallel Lumber Increase=1 60, Plate Increase=1 60
Uniform Loads (lb/ft)
Vert. 1-2=8, 2-8=3, 8-14=-11, 14-15=-6, 24-73=-20, 16-76=-20
Horz. 1-2=-28, 2-8=-23, 8-14=9, 14-15=14
Concentrated Loads (lb)
Vert. 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
- 17) Dead + 0 6 MWFRS Wind (Neg Internal) 2nd Parallel Lumber Increase=1 60, Plate Increase=1 60
Uniform Loads (lb/ft)
Vert. 1-2=-6, 2-8=-11, 8-14=3, 14-15=8, 24-73=-20, 16-76=-20
Horz. 1-2=-14, 2-8=-9, 8-14=23, 14-15=28
Concentrated Loads (lb)
Vert. 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
Vert. 24=-212 (F=-192)-to-83=-178 (F=-158), 83=-360 (F=-340)-to-23=-347 (F=-327), 23=-347 (F=-327)-to-84=-333 (F=-313), 84=-151 (F=-131)-to-22=-120 (F=-100), 22=-120 (F=-100)-to-85=-84 (F=-64), 85=-266 (F=-246)-to-21=-252 (F=-232), 21=-252 (F=-232)-to-86=-239 (F=-219), 86=-57 (F=-37)-to-87=-45 (F=-25), 87=-45 (F=-25)-to-20=-20, 20=-20-to-88=-45 (F=-25), 88=-45 (F=-25)-to-89=-57 (F=-37), 89=-239 (F=-219)-to-19=-252 (F=-232), 19=-252 (F=-232)-to-90=-266 (F=-246), 90=-84 (F=-64)-to-18=-120 (F=-100), 18=-120 (F=-100)-to-91=-151 (F=-131), 91=-333 (F=-313)-to-17=-347 (F=-327), 17=-347 (F=-327)-to-92=-360 (F=-340), 92=-178 (F=-158)-to-16=-212 (F=-192)
- 18) Dead + Uninhabitable Attic Storage Lumber Increase=1.25, Plate Increase=1 25
Uniform Loads (lb/ft)
Vert. 1-8=20, 8-15=20, 24-73=-40, 16-76=-40
Concentrated Loads (lb)
Vert. 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
Vert. 24=-232 (F=-192)-to-83=-198 (F=-158), 83=-380 (F=-340)-to-23=-367 (F=-327), 23=-367 (F=-327)-to-84=-353 (F=-313), 84=-171 (F=-131)-to-22=-140 (F=-100), 22=-140 (F=-100)-to-85=-104 (F=-64), 85=-286 (F=-246)-to-21=-272 (F=-232), 21=-292 (F=-232)-to-86=-279 (F=-219), 86=-97 (F=-37)-to-87=-85 (F=-25), 87=-65 (F=-25)-to-20=-40, 20=-40-to-88=-85 (F=-25), 88=-85 (F=-25)-to-89=-97 (F=-37), 89=-279 (F=-219)-to-19=-292 (F=-232), 19=-272 (F=-232)-to-90=-286 (F=-246), 90=-104 (F=-64)-to-18=-140 (F=-100), 18=-140 (F=-100)-to-91=-171 (F=-131), 91=-353 (F=-313)-to-17=-367 (F=-327), 17=-367 (F=-327)-to-92=-380 (F=-340), 92=-198 (F=-158)-to-16=-232 (F=-192)
- 19) Dead + 0 75 Roof Live (bal) + 0 75 Uninhab Attic Storage + 0 75(0 6 MWFRS Wind (Neg Int) Left) Lumber Increase=1 60, Plate Increase=1 60
Uniform Loads (lb/ft)
Vert. 1-2=-36, 2-8=-39, 8-14=-41, 14-15=-37, 24-73=-23, 16-76=-23
Horz. 1-2=-14, 2-8=-11, 8-14=9, 14-15=13
Concentrated Loads (lb)
Vert. 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)

Continued on page 4

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Chesterfield, MO 63017
314.434 1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
5497761	T10G	GABLE	1	3	T41462831

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

Run 25.40 S Apr 17 2026 Print: 25.4 0 S Apr 17 2026 MiTek Industries, Inc. Fri Jun 05 12:11:25
ID RGW5M4cPREnm5p9yfgzNgAycgdx-RfC7PsB70Hq3NSgPqnl8w3uTXbGKWCDol7J4zJC7f

Page: 4

- Vert 24=-227 (F=-192)-to-83=-193 (F=-158), 83=-375 (F=-340)-to-23=-362 (F=-327), 23=-362 (F=-327)-to-84=-348 (F=-313), 84=-166 (F=-131)-to-22=-135 (F=-100), 22=-135 (F=-100)-to-85=-99 (F=-64), 85=-281 (F=-246)-to-21=-267 (F=-232), 21=-282 (F=-232)-to-86=-269 (F=-219), 86=-87 (F=-37)-to-87=-75 (F=-25), 87=-60 (F=-25)-to-20=-35, 20=-35-to-88=-60 (F=-25), 88=-75 (F=-25)-to-89=-87 (F=-37), 89=-269 (F=-219)-to-19=-282 (F=-232), 19=-267 (F=-232)-to-90=-281 (F=-246), 90=-99 (F=-64)-to-18=-135 (F=-100), 18=-135 (F=-100)-to-91=-166 (F=-131), 91=-348 (F=-313)-to-17=-362 (F=-327), 17=-362 (F=-327)-to-92=-375 (F=-340), 92=-193 (F=-158)-to-16=-227 (F=-192)
- 20) Dead + 0 75 Roof Live (bal) + 0 75 Uninhab Attic Storage + 0 75(0 6 MWFRS Wind (Neg Int) Right) Lumber Increase=1 60, Plate Increase=1 60 Uniform Loads (lb/ft)
Vert: 1-2=-37, 2-8=-41, 8-14=-39, 14-15=-36, 24-73=-23, 16-76=-23
Horz: 1-2=-13, 2-8=-9, 8-14=11, 14-15=14
Concentrated Loads (lb)
Vert: 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
Vert: 24=-227 (F=-192)-to-83=-193 (F=-158), 83=-375 (F=-340)-to-23=-362 (F=-327), 23=-362 (F=-327)-to-84=-348 (F=-313), 84=-166 (F=-131)-to-22=-135 (F=-100), 22=-135 (F=-100)-to-85=-99 (F=-64), 85=-281 (F=-246)-to-21=-267 (F=-232), 21=-282 (F=-232)-to-86=-269 (F=-219), 86=-87 (F=-37)-to-87=-75 (F=-25), 87=-60 (F=-25)-to-20=-35, 20=-35-to-88=-60 (F=-25), 88=-75 (F=-25)-to-89=-87 (F=-37), 89=-269 (F=-219)-to-19=-282 (F=-232), 19=-267 (F=-232)-to-90=-281 (F=-246), 90=-99 (F=-64)-to-18=-135 (F=-100), 18=-135 (F=-100)-to-91=-166 (F=-131), 91=-348 (F=-313)-to-17=-362 (F=-327), 17=-362 (F=-327)-to-92=-375 (F=-340), 92=-193 (F=-158)-to-16=-227 (F=-192)
- 21) Dead + 0 75 Roof Live (bal) + 0 75 Uninhab Attic Storage + 0 75(0 6 MWFRS Wind (Neg Int) 1st Parallel) Lumber Increase=1 60, Plate Increase=1 60 Uniform Loads (lb/ft)
Vert: 1-2=-29, 2-8=-32, 8-14=-43, 14-15=-40, 24-73=-35, 16-76=-35
Horz: 1-2=-21, 2-8=-18, 8-14=7, 14-15=10
Concentrated Loads (lb)
Vert: 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
Vert: 24=-227 (F=-192)-to-83=-193 (F=-158), 83=-375 (F=-340)-to-23=-362 (F=-327), 23=-362 (F=-327)-to-84=-348 (F=-313), 84=-166 (F=-131)-to-22=-135 (F=-100), 22=-135 (F=-100)-to-85=-99 (F=-64), 85=-281 (F=-246)-to-21=-267 (F=-232), 21=-282 (F=-232)-to-86=-269 (F=-219), 86=-87 (F=-37)-to-87=-75 (F=-25), 87=-60 (F=-25)-to-20=-35, 20=-35-to-88=-60 (F=-25), 88=-75 (F=-25)-to-89=-87 (F=-37), 89=-269 (F=-219)-to-19=-282 (F=-232), 19=-267 (F=-232)-to-90=-281 (F=-246), 90=-99 (F=-64)-to-18=-135 (F=-100), 18=-135 (F=-100)-to-91=-166 (F=-131), 91=-348 (F=-313)-to-17=-362 (F=-327), 17=-362 (F=-327)-to-92=-375 (F=-340), 92=-193 (F=-158)-to-16=-227 (F=-192)
- 22) Dead + 0 75 Roof Live (bal) + 0 75 Uninhab Attic Storage + 0 75(0 6 MWFRS Wind (Neg Int) 2nd Parallel) Lumber Increase=1 60, Plate Increase=1 60 Uniform Loads (lb/ft)
Vert: 1-2=-40, 2-8=-43, 8-14=-32, 14-15=-29, 24-73=-35, 16-76=-35
Horz: 1-2=-10, 2-8=-7, 8-14=18, 14-15=21
Concentrated Loads (lb)
Vert: 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
- Vert: 24=-227 (F=-192)-to-83=-193 (F=-158), 83=-375 (F=-340)-to-23=-362 (F=-327), 23=-362 (F=-327)-to-84=-348 (F=-313), 84=-166 (F=-131)-to-22=-135 (F=-100), 22=-135 (F=-100)-to-85=-99 (F=-64), 85=-281 (F=-246)-to-21=-267 (F=-232), 21=-282 (F=-232)-to-86=-269 (F=-219), 86=-87 (F=-37)-to-87=-75 (F=-25), 87=-60 (F=-25)-to-20=-35, 20=-35-to-88=-60 (F=-25), 88=-75 (F=-25)-to-89=-87 (F=-37), 89=-269 (F=-219)-to-19=-282 (F=-232), 19=-267 (F=-232)-to-90=-281 (F=-246), 90=-99 (F=-64)-to-18=-135 (F=-100), 18=-135 (F=-100)-to-91=-166 (F=-131), 91=-348 (F=-313)-to-17=-362 (F=-327), 17=-362 (F=-327)-to-92=-375 (F=-340), 92=-193 (F=-158)-to-16=-227 (F=-192)
- 25) 1st Dead + Roof Live (unbalanced) Lumber Increase=1 00, Plate Increase=1 00 Uniform Loads (lb/ft)
Vert: 1-8=-60, 8-15=-20, 24-73=-20, 16-76=-20
Concentrated Loads (lb)
Vert: 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
Vert: 24=-212 (F=-192)-to-83=-178 (F=-158), 83=-360 (F=-340)-to-23=-347 (F=-327), 23=-347 (F=-327)-to-84=-333 (F=-313), 84=-151 (F=-131)-to-22=-120 (F=-100), 22=-120 (F=-100)-to-85=-84 (F=-64), 85=-266 (F=-246)-to-21=-252 (F=-232), 21=-252 (F=-232)-to-86=-239 (F=-219), 86=-57 (F=-37)-to-87=-45 (F=-25), 87=-45 (F=-25)-to-20=-20, 20=-20-to-88=-45 (F=-25), 88=-45 (F=-25)-to-89=-57 (F=-37), 89=-239 (F=-219)-to-19=-252 (F=-232), 19=-252 (F=-232)-to-90=-266 (F=-246), 90=-84 (F=-64)-to-18=-120 (F=-100), 18=-120 (F=-100)-to-91=-151 (F=-131), 91=-333 (F=-313)-to-17=-347 (F=-327), 17=-347 (F=-327)-to-92=-360 (F=-340), 92=-178 (F=-158)-to-16=-212 (F=-192)
- 26) 2nd Dead + Roof Live (unbalanced) Lumber Increase=1 00, Plate Increase=1 00 Uniform Loads (lb/ft)
Vert: 1-8=-20, 8-15=-60, 24-73=-20, 16-76=-20
Concentrated Loads (lb)
Vert: 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
Vert: 24=-212 (F=-192)-to-83=-178 (F=-158), 83=-360 (F=-340)-to-23=-347 (F=-327), 23=-347 (F=-327)-to-84=-333 (F=-313), 84=-151 (F=-131)-to-22=-120 (F=-100), 22=-120 (F=-100)-to-85=-84 (F=-64), 85=-266 (F=-246)-to-21=-252 (F=-232), 21=-252 (F=-232)-to-86=-239 (F=-219), 86=-57 (F=-37)-to-87=-45 (F=-25), 87=-45 (F=-25)-to-20=-20, 20=-20-to-88=-45 (F=-25), 88=-45 (F=-25)-to-89=-57 (F=-37), 89=-239 (F=-219)-to-19=-252 (F=-232), 19=-252 (F=-232)-to-90=-266 (F=-246), 90=-84 (F=-64)-to-18=-120 (F=-100), 18=-120 (F=-100)-to-91=-151 (F=-131), 91=-333 (F=-313)-to-17=-347 (F=-327), 17=-347 (F=-327)-to-92=-360 (F=-340), 92=-178 (F=-158)-to-16=-212 (F=-192)
- 27) 3rd Dead + 0 75 Roof Live (unbalanced) + 0 75 Uninhab Attic Storage Lumber Increase=1 00, Plate Increase=1 00 Uniform Loads (lb/ft)
Vert: 1-8=-50, 8-15=-20, 24-73=-35, 16-76=-35
Concentrated Loads (lb)
Vert: 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
- Vert: 24=-227 (F=-192)-to-83=-193 (F=-158), 83=-375 (F=-340)-to-23=-362 (F=-327), 23=-362 (F=-327)-to-84=-348 (F=-313), 84=-166 (F=-131)-to-22=-135 (F=-100), 22=-135 (F=-100)-to-85=-99 (F=-64), 85=-281 (F=-246)-to-21=-267 (F=-232), 21=-282 (F=-232)-to-86=-269 (F=-219), 86=-87 (F=-37)-to-87=-75 (F=-25), 87=-60 (F=-25)-to-20=-35, 20=-35-to-88=-60 (F=-25), 88=-75 (F=-25)-to-89=-87 (F=-37), 89=-269 (F=-219)-to-19=-282 (F=-232), 19=-267 (F=-232)-to-90=-281 (F=-246), 90=-99 (F=-64)-to-18=-135 (F=-100), 18=-135 (F=-100)-to-91=-166 (F=-131), 91=-348 (F=-313)-to-17=-362 (F=-327), 17=-362 (F=-327)-to-92=-375 (F=-340), 92=-193 (F=-158)-to-16=-227 (F=-192)
- 28) 4th Dead + 0 75 Roof Live (unbalanced) + 0 75 Uninhab Attic Storage Lumber Increase=1 00, Plate Increase=1 00 Uniform Loads (lb/ft)
Vert: 1-8=-20, 8-15=-50, 24-73=-35, 16-76=-35
Concentrated Loads (lb)
Vert: 20=-241 (F), 18=-361 (F), 22=-361 (F)
Trapezoidal Loads (lb/ft)
Vert: 24=-227 (F=-192)-to-83=-193 (F=-158), 83=-375 (F=-340)-to-23=-362 (F=-327), 23=-362 (F=-327)-to-84=-348 (F=-313), 84=-166 (F=-131)-to-22=-135 (F=-100), 22=-135 (F=-100)-to-85=-99 (F=-64), 85=-281 (F=-246)-to-21=-267 (F=-232), 21=-282 (F=-232)-to-86=-269 (F=-219), 86=-87 (F=-37)-to-87=-75 (F=-25), 87=-60 (F=-25)-to-20=-35, 20=-35-to-88=-60 (F=-25), 88=-75 (F=-25)-to-89=-87 (F=-37), 89=-269 (F=-219)-to-19=-282 (F=-232), 19=-267 (F=-232)-to-90=-281 (F=-246), 90=-99 (F=-64)-to-18=-135 (F=-100), 18=-135 (F=-100)-to-91=-166 (F=-131), 91=-348 (F=-313)-to-17=-362 (F=-327), 17=-362 (F=-327)-to-92=-375 (F=-340), 92=-193 (F=-158)-to-16=-227 (F=-192)



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

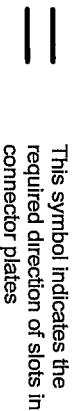
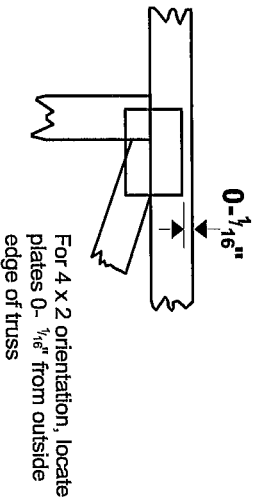
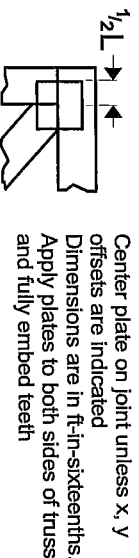
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

MiTek®

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434 1200 / MiTek-US.com

Symbols

PLATE LOCATION AND ORIENTATION



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

PLATE SIZE

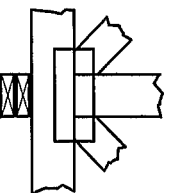
4 X 4

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

LATERAL BRACING LOCATION



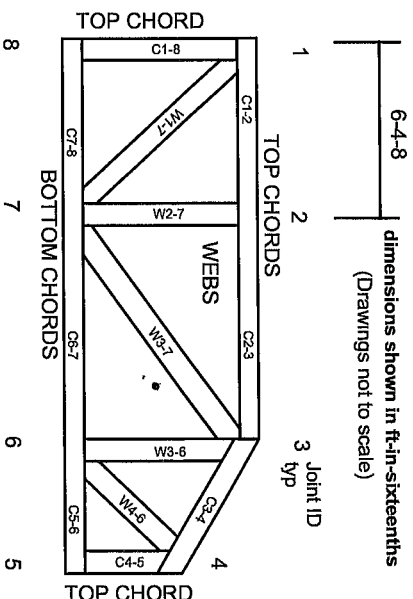
BEARING



Industry Standards:

ANSI/TP11- National Design Specification for Metal Plate Connected Wood Truss Construction
DSB-22- 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/TP1 1 section 6.3. These truss designs rely on lumber values established by others.

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor 1 bracing should be considered
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties
5. Cut members to bear tightly against each other
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1 1
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified
13. Top chords must be sheathed or purlins provided at spacing indicated on design
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated

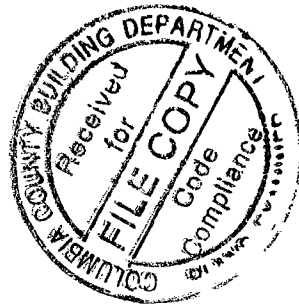
MITek®

FoldTite Systems

Bottom of Endwall Header

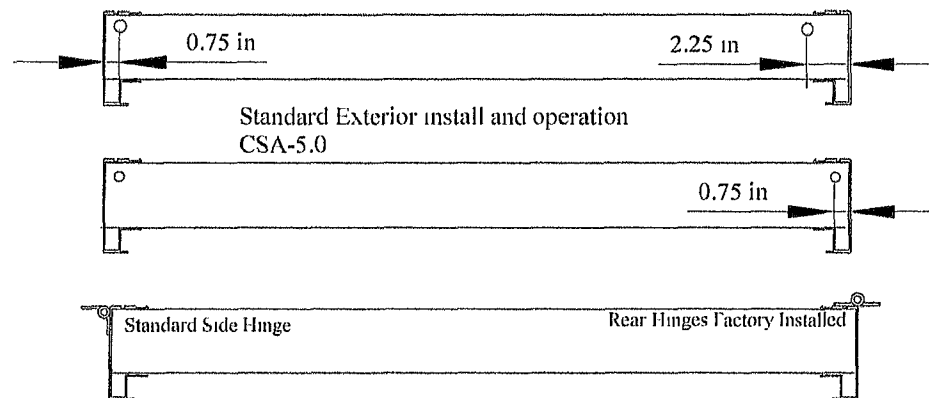
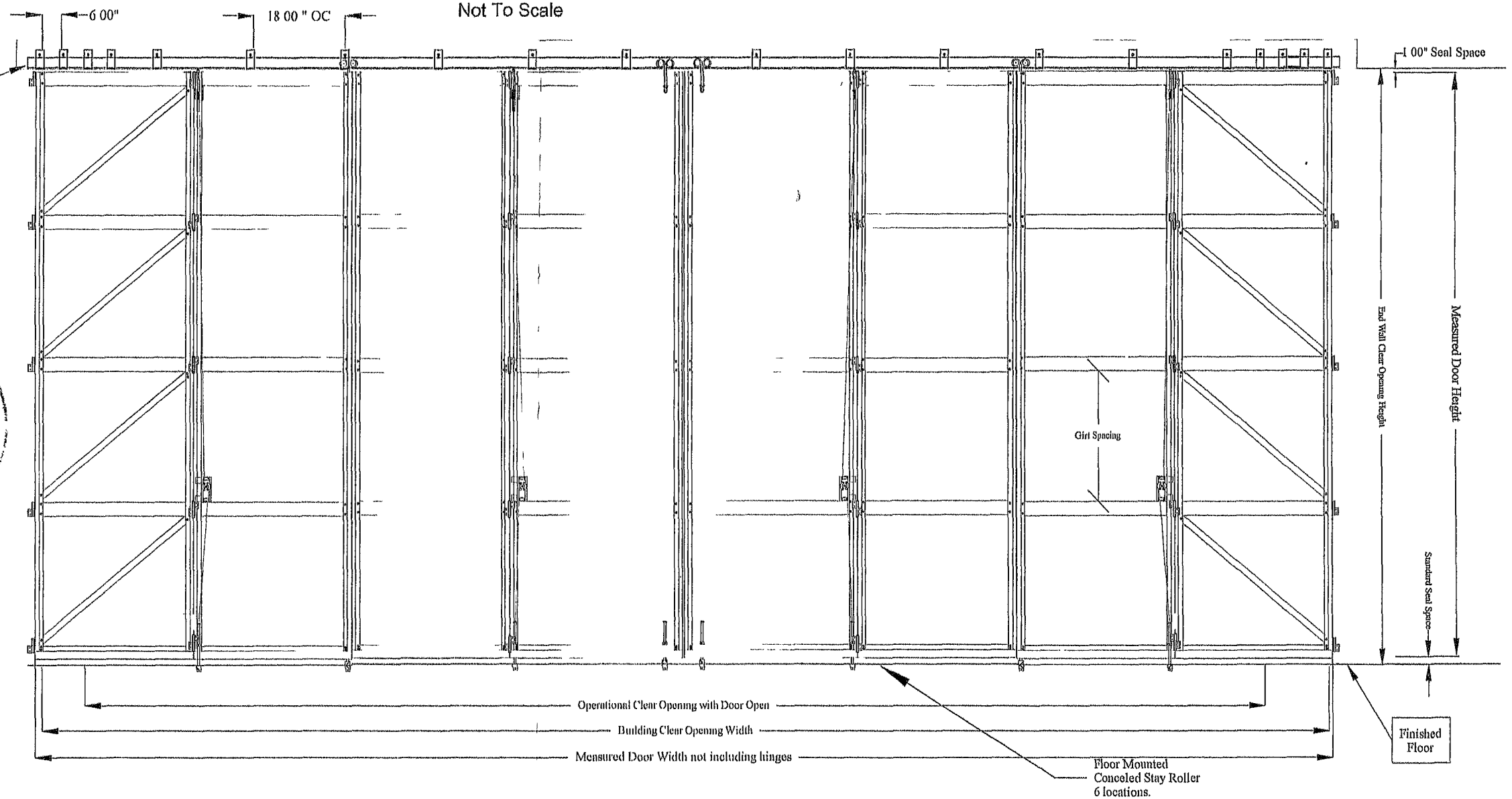
Die Numbers
Keymark Industries
CSA-5.0 Vertical Die S55472
CSA-5.0 Bottom Rail Die S55741
CSA-235 Girt Die H1388
Astragal Die S54174
Trolley and bottom Roller use
Stainless steel Bolts 1/2" diameter
Trolleys 2" diameter roller bearing

Top and bottom lock pins Stainless
Steel 1/2" diameter
Bottom Concealed Stay Roller
1-3/4" Nylon Roller
Hurricane Locks installed on
Inactive panels



Bruce Hart
Hart Homes, LLC
Lake City, FL 32025

WJH
6/25/22



Feet	Inches	Specifications for Print Dimensions		
42	0	Building Framed Opening Width	Door Series	CSA-5.0 Plus
12	0	Framed Opening Height	Total Panels	8
5	2.20	Outboard Hinged Panel	Panel Qty	2
5	2.70	Standard Sliding Panel Width	Panel Qty	4
5	6.699	Center Panels	Panel Qty	2
3	5.72	Fold Tite Stack Dimension		
42	5.09	Measured Door Width with 2.75" Lap and 1/2" between center panels		
42	10.89	Overall Width required for door operation		
39	5.17	Operational Clear Opening with Door Open (overall width minus stack)		
	2	Seal Space Under Door		
	10	Space required for Door Installation on Front face of Header		
11	9.01	Measured Door Height		
11	7	Sheeting Height (For Covering Supplied By Others) Confirm at Site		
11	7	Actual Length of Vertical as shipped		
2	8.56	Horizontal Girt Spacing between girts	Girt Qty	4

Rollers for recessed guide supplied, channel in concrete required

Bruce Hart
Lake City, FL 32025

ENGINEERING
WILLIAM F. STUHRKE, PhD, P.E.
FLORIDA P.E.# 22150
12215 REBECCA'S RUN DR.
WINTER GARDEN, FL. 34787
(407) 920-3119

Fold Tite Systems, Inc.	Fold-Tite Stacker Door
Actual System 8 Panel 4 Girt Plus Bottom Rail	6/5/2026
Door System	Hart_FT4212Q