



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

RE: 0624-025 -

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

Site Information:

Customer Info: Scott Rosenboom Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: High Springs State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 19 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T35491791	A01	11/7/24
2	T35491792	A02	11/7/24
3	T35491793	A03	11/7/24
4	T35491794	A04	11/7/24
5	T35491795	A05	11/7/24
6	T35491796	B01	11/7/24
7	T35491797	B02	11/7/24
8	T35491798	B03	11/7/24
9	T35491799	C01	11/7/24
10	T35491800	C02	11/7/24
11	T35491801	D01	11/7/24
12	T35491802	D02	11/7/24
13	T35491803	D02A	11/7/24
14	T35491804	D03	11/7/24
15	T35491805	D04	11/7/24
16	T35491806	D05	11/7/24
17	T35491807	D06	11/7/24
18	T35491808	D07	11/7/24
19	T35491809	D08	11/7/24



Review for Code Compliance
Universal Engineering Science

Laurel Powell
Examiner-License No.

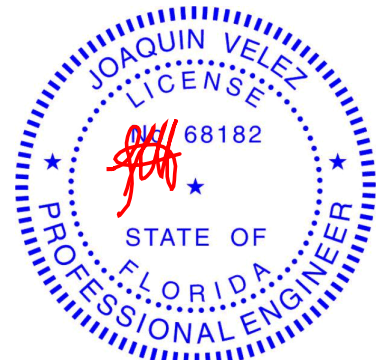
PX2707

12/31/2024

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc.
under my direct supervision based on the parameters
provided by Mayo Truss Company, Inc..

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

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.



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

November 7, 2024

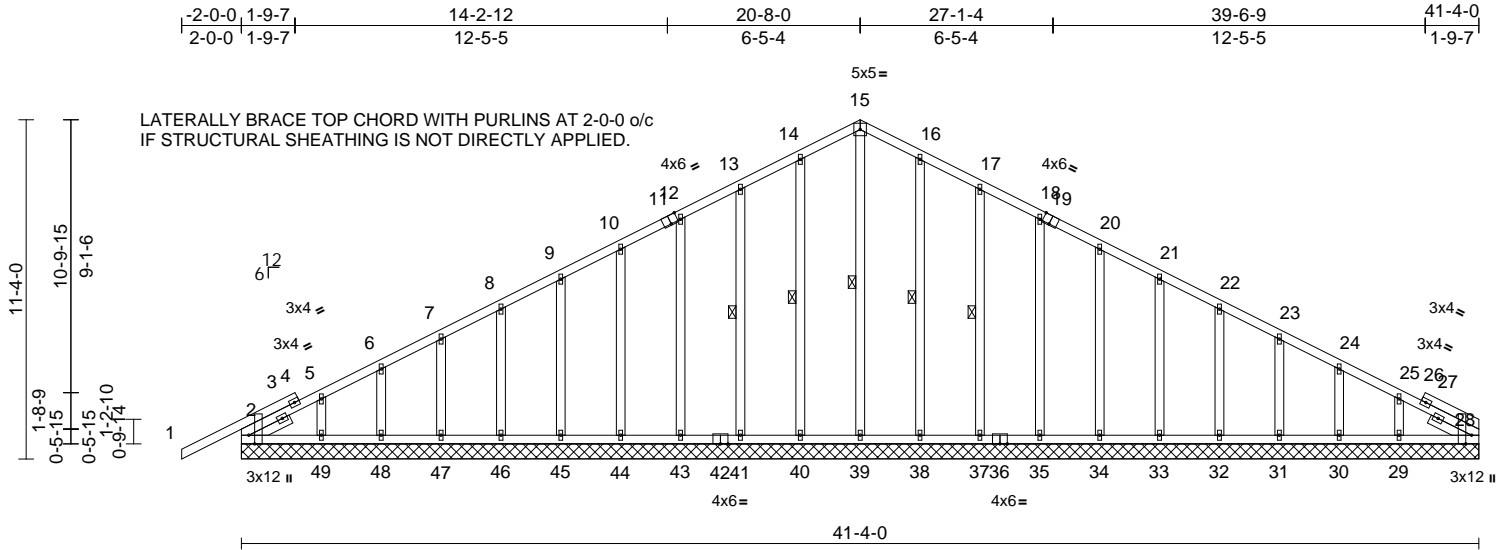
Job	Truss	Truss Type	Qty	Ply	
0624-025	A01	Common Supported Gable	1	1	T35491791
Job Reference (optional)					

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:28

Page: 1

ID:13kdiCfydy0G5qebNP7HkyLsF2-RfC?PsB70Hq3NSgPqnL8w3uITxBGKwRCDoi7J4zJC?f



Scale = 1:77

Plate Offsets (X, Y): [2:0-3-8,Edge], [11:0-3-0,Edge], [19:0-3-0,Edge], [28:0-3-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	n/a	-	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	n/a	-	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	28	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							
Weight: 301 lb FT = 20%											

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 -- 1-6-0, Right 2x4 SP No.2 -- 1-6-0

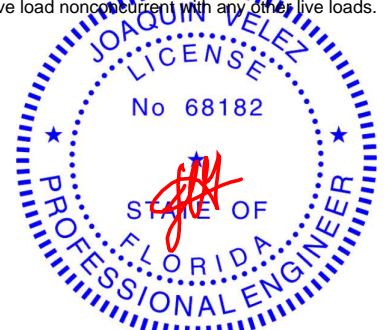
BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 15-39, 14-40, 13-41, 16-38, 17-37

REACTIONS (size)
2=41-4-0, 28=41-4-0, 29=41-4-0, 30=41-4-0, 31=41-4-0, 32=41-4-0, 33=41-4-0, 34=41-4-0, 35=41-4-0, 37=41-4-0, 38=41-4-0, 39=41-4-0, 40=41-4-0, 41=41-4-0, 43=41-4-0, 44=41-4-0, 45=41-4-0, 46=41-4-0, 47=41-4-0, 48=41-4-0, 49=41-4-0
Max Horiz 2=201 (LC 11)
Max Uplift 2=47 (LC 12), 29=33 (LC 12), 30=9 (LC 12), 31=12 (LC 12), 32=12 (LC 12), 33=12 (LC 12), 34=12 (LC 12), 35=11 (LC 12), 37=15 (LC 12), 38=3 (LC 12), 40=3 (LC 12), 41=15 (LC 12), 43=11 (LC 12), 44=12 (LC 12), 45=12 (LC 12), 46=12 (LC 12), 47=10 (LC 12), 48=19 (LC 12)
Max Grav 2=305 (LC 1), 28=93 (LC 17), 29=192 (LC 18), 30=157 (LC 1), 31=161 (LC 24), 32=160 (LC 1), 33=160 (LC 24), 34=160 (LC 24), 35=160 (LC 1), 37=160 (LC 1), 38=166 (LC 24), 39=149 (LC 17), 40=166 (LC 23), 41=160 (LC 1), 43=160 (LC 1), 44=160 (LC 23), 45=160 (LC 1), 46=161 (LC 1), 47=158 (LC 23), 48=170 (LC 1), 49=114 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-5=-166/140, 5-6=-143/137, 6-7=-134/125, 7-8=-125/114, 8-9=-116/103, 9-10=-106/111, 10-12=-97/156, 12-13=-90/200, 13-14=-110/248, 14-15=-126/286, 15-16=-126/286, 16-17=-110/248, 17-18=-90/200, 18-20=-72/156, 20-21=-54/111, 21-22=-45/67, 22-23=-52/27, 23-24=-59/38, 24-25=-77/48, 25-28=-137/69
BOT CHORD 2-49=60/149, 48-49=-56/146, 47-48=-56/146, 46-47=-56/146, 45-46=-56/146, 44-45=-56/146, 43-44=-56/146, 41-43=-56/146, 40-41=-56/146, 39-40=-56/146, 38-39=-56/146, 37-38=-56/146, 35-37=-56/146, 34-35=-56/146, 33-34=-56/146, 32-33=-56/146, 31-32=-56/146, 30-31=-56/146, 29-30=-56/146, 28-29=-56/146
WEBS 15-39=-179/46, 14-40=-126/61, 13-41=-120/82, 12-43=-120/75, 10-44=-120/76, 9-45=-120/76, 8-46=-120/76, 7-47=-118/75, 6-48=-129/84, 5-49=-86/49, 16-38=-126/61, 17-37=-120/82, 18-35=-120/75, 20-34=-120/76, 21-33=-120/76, 22-32=-120/76, 23-31=-120/77, 24-30=-119/72, 25-29=-144/111

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

- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=41ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer/Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 100 psf bottom chord live load nonconcurrent with any other live loads.



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

November 7, 2024

Continued on page 2

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®

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

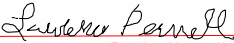
Job	Truss	Truss Type	Qty	Ply	
0624-025	A01	Common Supported Gable	1	1	T35491791
Job Reference (optional)					

- 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)
All bearings are assumed to be SP No.2 .
11)
Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 2, 3 lb uplift at joint 40, 15 lb uplift at joint 41, 11 lb uplift at joint 43, 12 lb uplift at joint 44, 12 lb uplift at joint 45, 12 lb uplift at joint 46, 10 lb uplift at joint 47, 19 lb uplift at joint 48, 3 lb uplift at joint 38, 15 lb uplift at joint 37, 11 lb uplift at joint 35, 12 lb uplift at joint 34, 12 lb uplift at joint 33, 12 lb uplift at joint 32, 12 lb uplift at joint 31, 9 lb uplift at joint 30 and 33 lb uplift at joint 29.
12)
This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S)
Standard



Review for Code Compliance
Universal Engineering Science



PX2707
12/31/2024

Examiner-License No.


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

Job	Truss	Truss Type	Qty	Ply	
0624-025	A02	Common	6	1	T35491792
Job Reference (optional)					

Mayo Truss Company, Inc., Mayo, FL - 32066,

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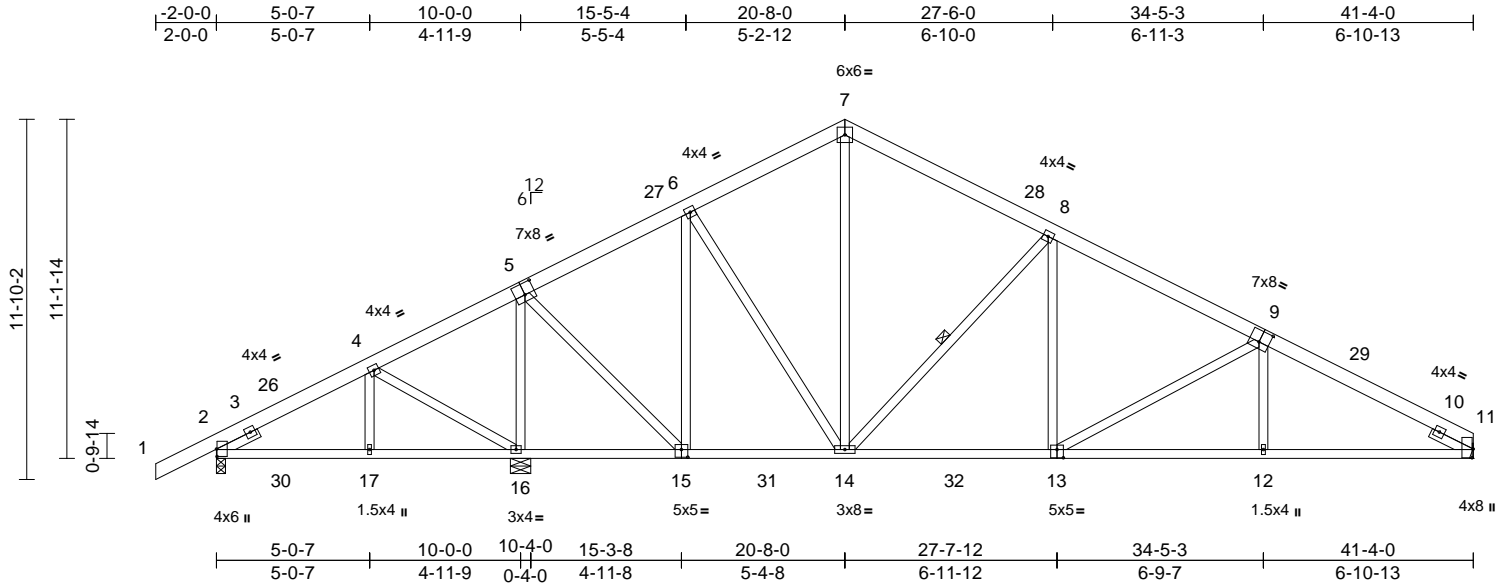


Plate Offsets (X, Y): [2:0-2-15,0-0-3], [5:0-4-0,0-4-8], [9:0-4-0,0-4-8], [11:0-3-7,0-0-7], [13:0-2-8,0-3-4], [15:0-2-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.11	13-14	>999	240	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.21	13-14	>999	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.05	11	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							
Weight: 292 lb FT = 20%											

LUMBER

TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 -- 1-6-0, Right 2x4 SP No.2 -- 1-6-0

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-14

REACTIONS

(size) 2=0-3-8, 11= Mechanical, 16=0-8-0
Max Horiz 2=203 (LC 11)
Max Uplift 2=-128 (LC 12), 16=-93 (LC 12)
Max Grav 2=369 (LC 23), 11=1361 (LC 18), 16=2174 (LC 17)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-4=-145/212, 4-6=-682/618, 6-7=-976/168, 7-8=-986/169, 8-11=-2208/137
BOT CHORD 2-17=-226/96, 16-17=-226/96, 14-16=-501/590, 12-14=-27/1883, 11-12=-90/1885
WEBS 7-14=-31/511, 5-16=-1787/119, 4-16=-473/257, 4-17=-142/194, 6-14=0/516, 6-15=-779/88, 5-15=-20/1368, 8-14=-954/107, 8-13=0/573, 9-13=-555/96, 9-12=0/248

NOTES

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

- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft;
B=45ft; L=41ft; eave=5ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Zone3 -2-0-0 to 2-1-10,
Zone1 2-1-10 to 20-8-0, Zone2 20-8-0 to 26-6-2, Zone1
26-6-2 to 41-4-0 zone; cantilever left and right exposed ;
end vertical left and right exposed; porch left exposed; C-
C for members and forces & MWFRS for reactions
shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- 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.
- Bearings are assumed to be: Joint 2 SP No.2 , Joint 16
SP No.2 .
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 128 lb uplift at joint
2 and 93 lb uplift at joint 16.
- This truss design requires that a minimum of 7/16"
structural wood sheathing be applied directly to the top
chord and 1/2" gypsum sheetrock be applied directly to
the bottom chord.

LOAD CASE(S) Standard

Review for Code Compliance
Universal Engineering Science

Signature
Examiner-License No.

PX2707 12/31/2024



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

November 7, 2024

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

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

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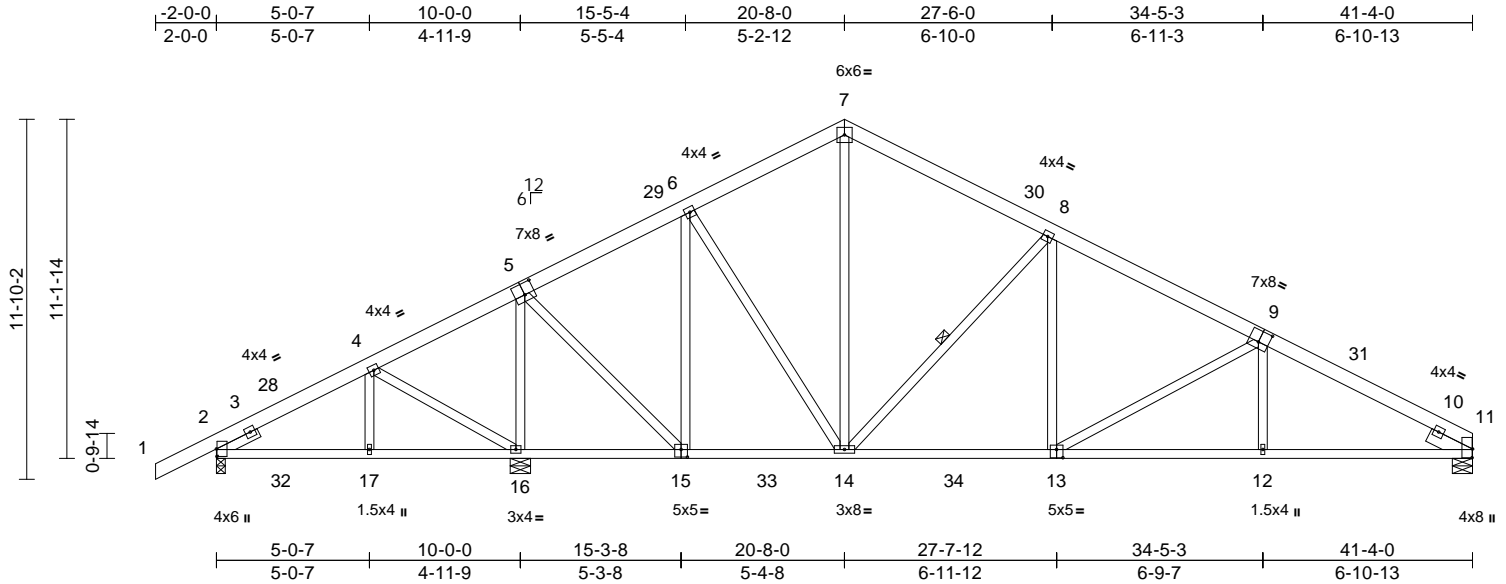
Job	Truss	Truss Type	Qty	Ply	
0624-025	A03	Common	1	1	T35491793
Job Reference (optional)					

Mayo Truss Company, Inc., Mayo, FL - 32066,

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Page: 1

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Scale = 1:75.8

Plate Offsets (X, Y): [2:0-2-15,0-0-3], [5:0-4-0,0-4-8], [9:0-4-0,0-4-8], [11:0-3-7,0-0-3], [13:0-2-8,0-3-4], [15:0-2-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.12	13-14	>999	240	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.21	12-13	>999	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.06	11	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							
Weight: 293 lb FT = 20%											

LUMBER

TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 -- 1-6-0, Right 2x6 SP No.2 -- 1-6-0

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-14

REACTIONS

(size) 2=0-3-8, 11=0-8-0, 16=0-8-0
Max Horiz 2=203 (LC 11)
Max Uplift 2=-130 (LC 12), 16=-92 (LC 12)
Max Grav 2=356 (LC 23), 11=1367 (LC 18), 16=2194 (LC 17)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/54, 2-4=-120/259, 4-6=-641/669, 6-7=-942/169, 7-8=-953/170, 8-11=-2082/136
BOT CHORD 2-17=-252/79, 16-17=-252/74, 14-16=-549/556, 12-14=-21/1748, 11-12=-20/1750
WEBS 7-14=-32/485, 4-17=-142/195, 4-16=-479/256, 5-16=-1804/116, 6-14=0/524, 6-15=-791/86, 5-15=-17/1386, 8-14=-932/106, 8-13=0/528, 9-13=-453/89, 9-12=0/233

NOTES

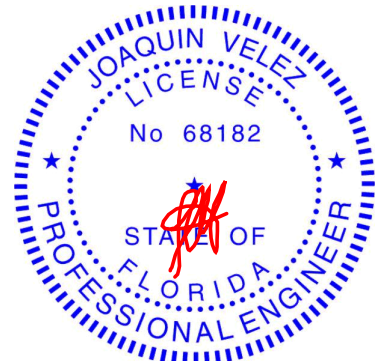
1) Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft;
B=45ft; L=41ft; eave=5ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Zone3 -2-0-0 to 2-1-10,
Zone1 2-1-10 to 20-8-0, Zone2 20-8-0 to 26-6-2, Zone1
26-6-2 to 41-4-0 zone; cantilever left and right exposed ;
end vertical left and right exposed; porch left exposed; C-
C for members and forces & MWFRS for reactions
shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- 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.
- All bearings are assumed to be SP No.2 .
- Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 130 lb uplift at joint
2 and 92 lb uplift at joint 16.
- This truss design requires that a minimum of 7/16"
structural wood sheathing be applied directly to the top
chord and 1/2" gypsum sheetrock be applied directly to
the bottom chord.

LOAD CASE(S) Standard

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Date:

November 7, 2024

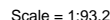
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- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft;
B=45ft; L=48ft; eave=6ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Zone3 -2-0-0 to 2-9-10,
Zone1 2-9-10 to 2-0-8-0, Zone2 2-0-8-0 to 27-5-7, Zone1
27-5-7 to 50-0-0 zone; cantilever left and right exposed ;
end vertical left and right exposed; porch left and right
exposed;C-C for members and forces & MWFRS for
reactions shown; Lumber DOL=1.60 plate 
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) All bearings are assumed to be SP No.2 .
- 7) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 151 lb uplift at joint
2, 72 lb uplift at joint 20, 46 lb uplift at joint 14 and 134 lb
uplift at joint 12.
- 8) This truss design requires that a minimum of 7/16"
structural wood sheathing be applied directly to the top
chord and 1/2" gypsum sheetrock be applied directly to
the bottom chord.

LOAD CASE(S) Standard

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

ing
ent. Parnell PX2707 12/31/2024
Examiner-License No.



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

November 7.2024



Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Components Association (www.sbcsccomponents.com)

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

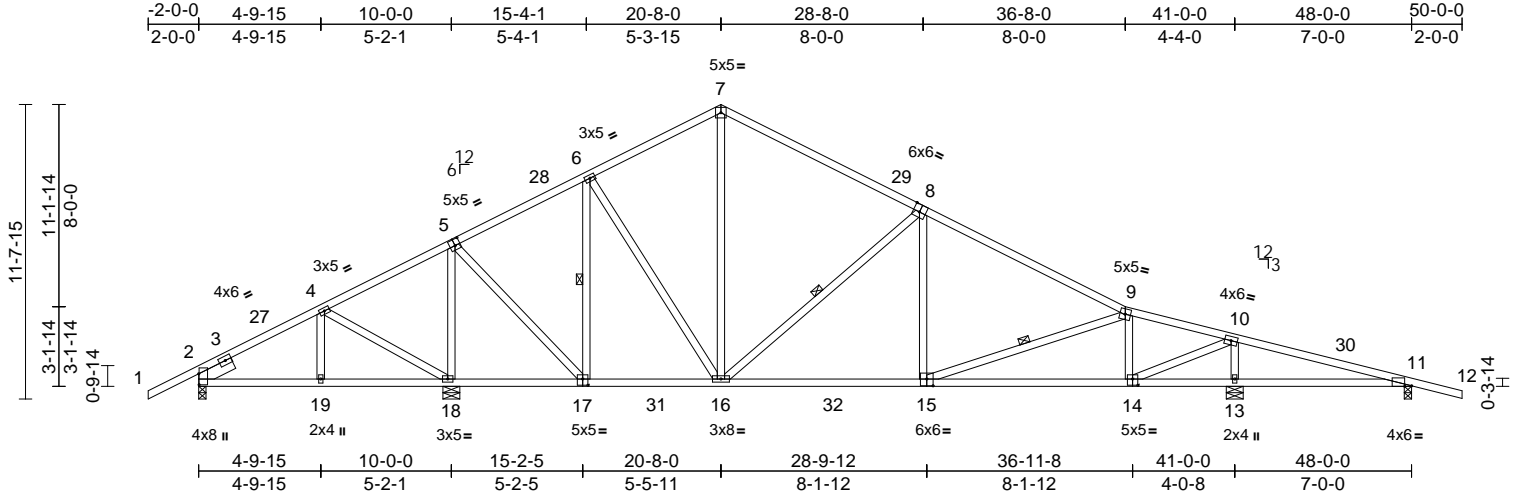
Job	Truss	Truss Type	Qty	Ply	
0624-025	A05	Roof Special	1	1	T35491795
Job Reference (optional)					

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:30

Page: 1

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Scale = 1:91.2

Plate Offsets (X, Y): [2:0-5-3,0-0-3], [5:0-2-8,0-3-0], [8:0-3-0,Edge], [11:0-3-4,Edge], [14:0-2-8,0-3-0], [15:0-3-0,0-3-4], [17:0-2-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.15	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.26	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS								
											Weight: 282 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 -- 1-6-0

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-16, 9-15, 6-17

REACTIONS (size) 2=0-3-8, 11=0-3-8, 13=0-8-0, 18=0-8-0
Max Horiz 2=201 (LC 10)
Max Uplift 2=51 (LC 12), 11=61 (LC 12)
Max Grav 2=379 (LC 23), 11=242 (LC 24), 13=1894 (LC 18), 18=2146 (LC 17)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-4=-156/121, 4-6=-635/551, 6-7=-917/205, 7-9=-1616/194, 9-10=-1348/93, 10-11=-87/707, 11-12=0/29
BOT CHORD 2-19=-138/184, 18-19=-137/184, 16-18=-448/575, 13-16=-642/1346, 11-13=-642/106
WEBS 7-16=-42/432, 8-16=-861/128, 8-15=0/396, 9-15=-29/71, 9-14=-670/95, 5-18=-1695/121, 4-18=-533/54, 4-19=0/205, 5-17=-21/1280, 6-16=0/483, 6-17=-746/74, 10-13=-1656/96, 10-14=-45/2091

NOTES

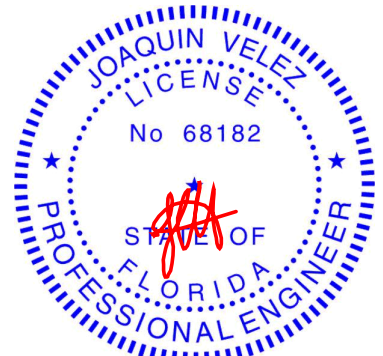
- Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft;
B=45ft; L=48ft; eave=6ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Zone3 -2-0-0 to 2-9-10,
Zone1 2-9-10 to 20-8-0, Zone2 20-8-0 to 27-5-7, Zone1
27-5-7 to 50-0-0 zone; cantilever left and right exposed ;
end vertical left and right exposed;C-C for members and
forces & MWFRS for reactions shown; Lumber
DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- 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.
- All bearings are assumed to be SP No.2 .
- Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 51 lb uplift at joint
2 and 61 lb uplift at joint 11.
- This truss design requires that a minimum of 7/16"
structural wood sheathing be applied directly to the top
chord and 1/2" gypsum sheetrock be applied directly to
the bottom chord.

LOAD CASE(S) Standard

Review for Code Compliance
Universal Engineering Science

PX2707 12/31/2024
Examiner-License No.



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

November 7, 2024

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

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

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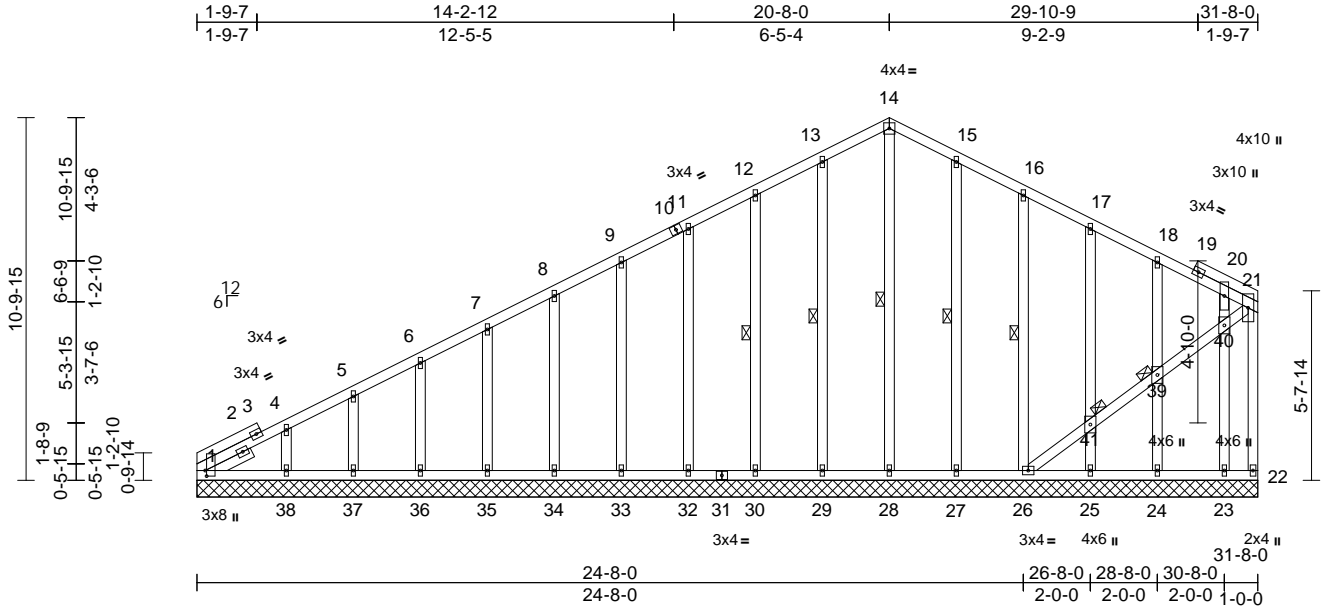
Job	Truss	Truss Type	Qty	Ply	
0624-025	B01	Common Supported Gable	1	1	T35491796
Job Reference (optional)					

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:30

Page: 1

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Scale = 1:68.8

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.12	Horiz(TL)	0.01	22	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							Weight: 267 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 -- 1-6-0

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.

BOT CHORD Rigid ceiling directly applied.

WEBS 1 Row at midpt 14-28, 13-29, 12-30, 15-27, 16-26

JOINTS 1 Brace at Jt(s): 39, 41

REACTIONS (size)

1=31-8-0, 22=31-8-0, 23=31-8-0, 24=31-8-0, 25=31-8-0, 26=31-8-0, 27=31-8-0, 28=31-8-0, 29=31-8-0, 30=31-8-0, 32=31-8-0, 33=31-8-0, 34=31-8-0, 35=31-8-0, 36=31-8-0, 37=31-8-0, 38=31-8-0

Max Horiz 1=250 (LC 11)

Max Uplift 1=27 (LC 10), 22=34 (LC 11), 23=23 (LC 12), 24=3 (LC 12), 25=10 (LC 12), 26=47 (LC 12), 27=4 (LC 12), 29=4 (LC 12), 30=15 (LC 12), 32=11 (LC 12), 33=12 (LC 12), 34=12 (LC 12), 35=12 (LC 12), 36=13 (LC 12), 37=8 (LC 12), 38=38 (LC 12)

Max Grav 1=136 (LC 18), 22=55 (LC 17), 23=134 (LC 18), 24=167 (LC 24), 25=161 (LC 1), 26=185 (LC 18), 27=166 (LC 24), 28=142 (LC 1), 29=166 (LC 23), 30=160 (LC 1), 32=160 (LC 1), 33=160 (LC 23), 34=160 (LC 23), 35=160 (LC 1), 36=161 (LC 23), 37=157 (LC 1), 38=199 (LC 17)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-4=-289/144, 4-5=-219/114, 5-6=-178/102, 6-7=-133/90, 7-8=-119/80, 8-9=-110/82, 9-11=-101/127, 11-12=-99/171, 12-13=-113/218, 13-14=-125/257, 14-15=-125/257, 15-16=-113/218, 16-17=-99/171, 17-18=-85/126, 18-20=-69/83, 20-21=-81/88, 21-22=-54/44

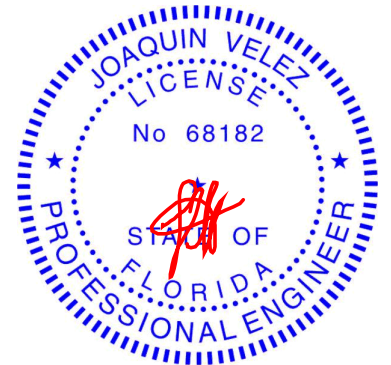
BOT CHORD 1-38=-110/171, 37-38=-110/171, 36-37=-110/171, 35-36=-110/171, 34-35=-110/171, 33-34=-110/171, 32-33=-110/171, 30-32=-110/171, 29-30=-110/171, 28-29=-110/171, 27-28=-110/171, 26-27=-110/171, 25-26=-77/103, 24-25=-77/103, 23-24=-77/103, 22-23=-77/103

WEBS 14-28=-155/35, 13-29=-126/69, 12-30=-120/81, 11-32=-120/75, 9-33=-120/76, 8-34=-120/76, 7-35=-120/76, 6-36=-120/78, 5-37=-119/71, 4-38=-150/138, 15-27=-126/69, 16-26=-120/81, 17-41=-120/76, 18-39=-124/82, 20-40=-98/81, 26-41=-70/90, 39-41=-67/86, 39-40=-66/84, 21-40=-65/86, 23-40=-93/72, 24-39=-125/86, 25-41=-121/73

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a 20.0 psf live load 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.
- All bearings are assumed to be SP No.2.



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

November 7, 2024

Continued on page 2

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

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

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Job	Truss	Truss Type	Qty	Ply	
0624-025	B01	Common Supported Gable	1	1	T35491796
					Job Reference (optional)

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 1, 34 lb uplift at joint 22, 4 lb uplift at joint 29, 15 lb uplift at joint 30, 11 lb uplift at joint 32, 12 lb uplift at joint 33, 12 lb uplift at joint 34, 12 lb uplift at joint 35, 13 lb uplift at joint 36, 8 lb uplift at joint 37, 38 lb uplift at joint 38, 4 lb uplift at joint 27, 47 lb uplift at joint 26, 23 lb uplift at joint 23, 3 lb uplift at joint 24 and 10 lb uplift at joint 25.
- 12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Review for Code Compliance
Universal Engineering Science

Lawrence Powell
Examiner-License No.

PX2707 12/31/2024

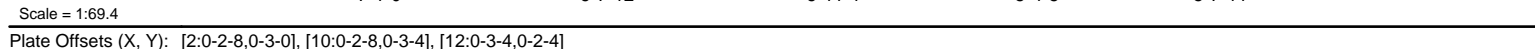
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MiTek®

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Mayo Truss Company, Inc., Mayo, FL - 32066, Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:30 Page: 1
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LUMBER		5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06"-00" tall by 2'-00"-00" wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
TOP CHORD	2x4 SP No.2	6) Refer to girder(s) for truss to truss connections.
BOT CHORD	2x4 SP No.2	7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
WEBS	2x4 SP No.2 *Except* 12-1:2x6 SP No.2	
BRACING		
TOP CHORD	Structural wood sheathing directly applied, except end verticals.	
BOT CHORD	Rigid ceiling directly applied.	
WEBS	1 Row at midpt 3-9, 5-8	
REACTIONS (size) 7. Mechanical 12. Mechanical		
LOAD CASE(S) Standard		

Lawrence Parnell PX2707 12/31/2024
Examiner-License No.

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

November 7, 2024

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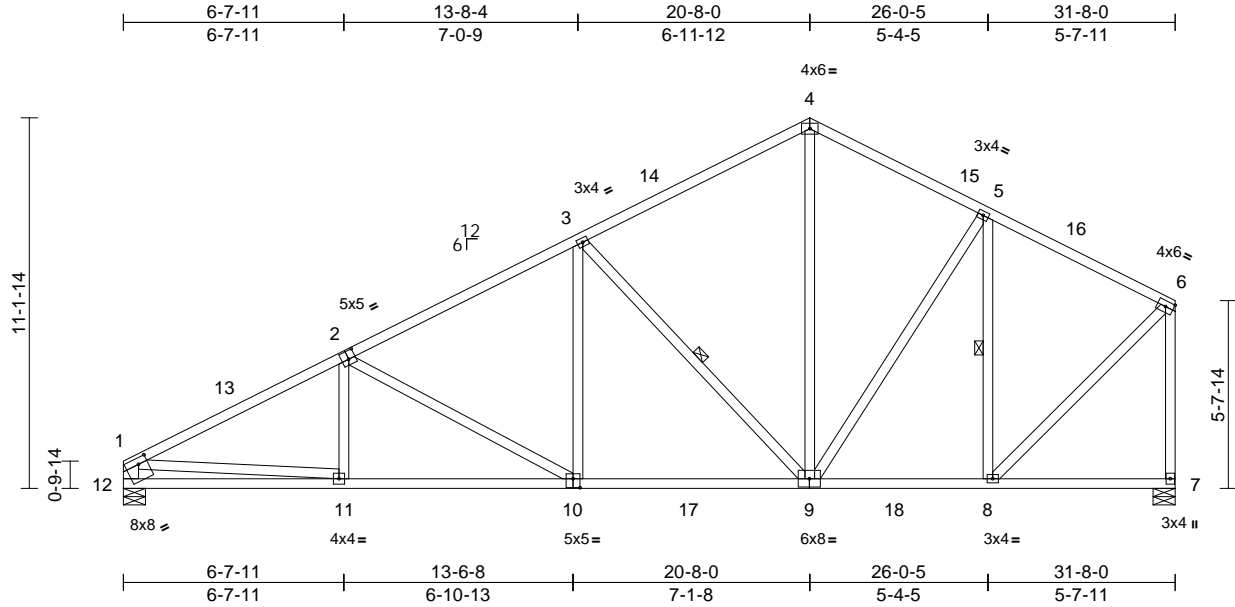
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
0624-025	B03	Common	1	1	T35491798

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:31
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Page: 1



Scale = 1:69.4

Plate Offsets (X, Y): [2:0-2-8,0-3-0], [10:0-2-8,0-3-4], [12:0-3-4,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.13	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.23	9-10	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							Weight: 212 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except* 12-1:2x6 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-9, 5-8

REACTIONS (size) 7=0-8-0, 12=0-8-0
Max Horiz 12=256 (LC 11)
Max Grav 7=1401 (LC 17), 12=1424 (LC 17)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-3=-2270/147, 3-4=-1145/184,
4-5=-1132/176, 5-6=-977/136,
6-7=-1312/130, 1-12=-1309/116
BOT CHORD 11-12=-242/591, 8-11=-216/2084, 7-8=-68/87
WEBS 6-8=-69/1138, 4-9=-44/654, 3-9=-913/96,
2-11=-6/166, 2-10=-498/74, 3-10=0/545,
5-9=-1/310, 5-8=-586/125, 1-11=0/1501

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft;
B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Zone3 0-2-12 to 3-4-12,
Zone1 3-4-12 to 20-8-0, Zone2 20-8-0 to 25-1-12, Zone1
25-1-12 to 31-6-4 zone; cantilever left and right
exposed; end vertical left and right exposed; C-C for
members and forces & MWFRS for reactions shown;
Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- 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.
- All bearings are assumed to be SP No.2 .
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

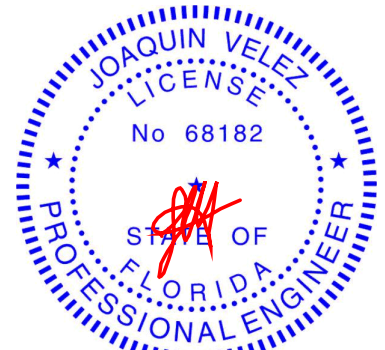
LOAD CASE(S) Standard



Review for Code Compliance
Universal Engineering Science

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PX2707 12/31/2024



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November 7, 2024

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

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

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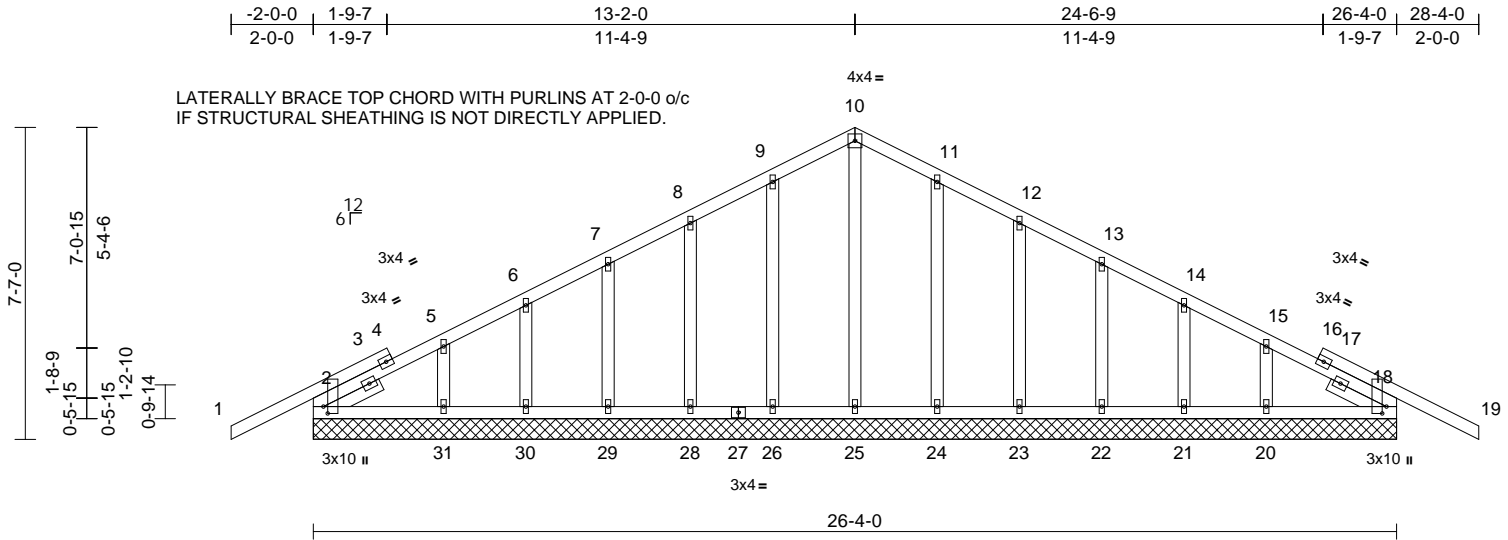
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	
0624-025	C01	Common Supported Gable	1	1	T35491799
Job Reference (optional)					

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:31
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Page: 1



Scale = 1:56									
Plate Offsets (X, Y): [2:0-2-0,0-1-4], [18:0-2-0,0-1-4]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	n/a	-	n/a
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	n/a	-	n/a
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	18	n/a
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS					
PLATES MT20 GRIP 244/190									
Weight: 163 lb FT = 20%									

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 -- 1-6-0, Right 2x4 SP No.2 -- 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (size) 2=26-4-0, 18=26-4-0, 20=26-4-0, 21=26-4-0, 22=26-4-0, 23=26-4-0, 24=26-4-0, 25=26-4-0, 26=26-4-0, 28=26-4-0, 29=26-4-0, 30=26-4-0, 31=26-4-0
Max Horiz 2=122 (LC 11)
Max Uplift 2=-66 (LC 12), 18=-66 (LC 12), 21=-22 (LC 12), 22=-9 (LC 12), 23=-14 (LC 12), 24=-8 (LC 12), 26=-8 (LC 12), 28=-14 (LC 12), 29=-9 (LC 12), 30=-22 (LC 12)
Max Grav 2=308 (LC 1), 18=308 (LC 1), 20=146 (LC 18), 21=164 (LC 1), 22=159 (LC 24), 23=159 (LC 1), 24=167 (LC 24), 25=145 (LC 1), 26=167 (LC 23), 28=159 (LC 1), 29=159 (LC 23), 30=164 (LC 1), 31=141 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-5=-119/84, 5-6=-81/76, 6-7=-75/66, 7-8=-67/100, 8-9=-66/146, 9-10=-84/188, 10-11=-84/188, 11-12=-66/146, 12-13=-47/100, 13-14=-37/56, 14-15=-40/28, 15-18=-80/33, 18-19=0/47

BOT CHORD 2-31=-43/121, 30-31=-40/118, 29-30=-40/118, 28-29=-40/118, 26-28=-40/118, 25-26=-40/118, 24-25=-40/118, 23-24=-40/118, 22-23=-40/118, 21-22=-40/118, 20-21=-40/118, 18-20=-42/120
WEBS 10-25=-105/12, 9-26=-127/70, 8-28=-120/79, 7-29=-119/75, 6-30=-125/84, 5-31=-99/64, 11-24=-127/70, 12-23=-120/79, 13-22=-119/75, 14-21=-125/84

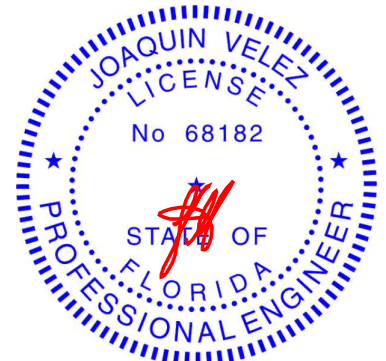
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=26ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 2, 66 lb uplift at joint 18, 8 lb uplift at joint 26, 14 lb uplift at joint 28, 9 lb uplift at joint 29, 22 lb uplift at joint 30, 8 lb uplift at joint 24, 14 lb uplift at joint 23, 9 lb uplift at joint 22 and 22 lb uplift at joint 21.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Review for Code Compliance
Universal Engineering Science
LOAD CASE(S) Standard

Signature: [Signature] PX2707 12/31/2024
Examiner-License No.



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

November 7, 2024

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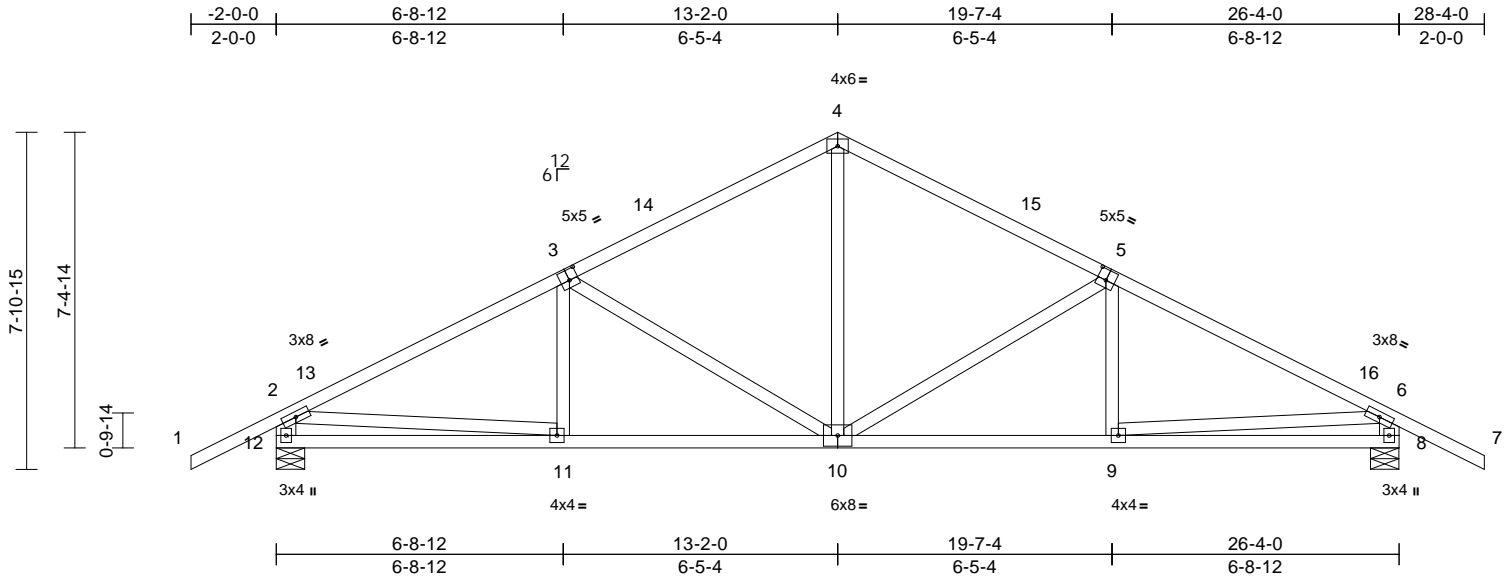
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	T35491800
0624-025	C02	Common	12	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:31
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Page: 1



Scale = 1:54

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.05	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.13	9-10	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							Weight: 152 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except* 12-2,8-6:2x6 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (size) 8=0-8-0, 12=0-8-0
Max Horiz 12=-145 (LC 10)
Max Uplift 8=-53 (LC 12), 12=-53 (LC 12)
Max Grav 8=1169 (LC 1), 12=1169 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/60, 2-4=-1570/122, 4-6=-1570/122, 6-7=0/60, 2-12=-1100/178, 6-8=-1100/179
BOT CHORD 11-12=-8/372, 9-11=0/1321, 8-9=0/289
WEBS 2-11=-68/1041, 6-9=-69/1041, 3-11=0/189, 3-10=-467/75, 4-10=0/600, 5-10=-467/75, 5-9=0/189

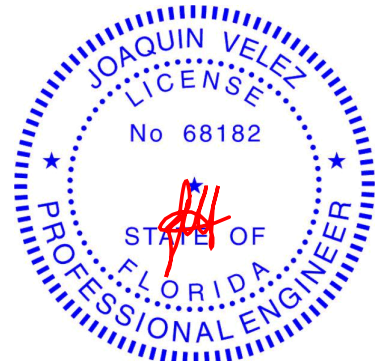
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 13-2-0, Zone2 13-2-0 to 17-4-15, Zone1 17-4-15 to 28-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- All bearings are assumed to be SP No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 12 and 53 lb uplift at joint 8.
- This truss design requires that a minimum 1/2" gypsum sheetrock be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Review for Code Compliance
Universal Engineering Science
Signature PX2707 12/31/2024
Examiner-License No.



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

November 7, 2024

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MiTek®

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Chesterfield, MO 63017
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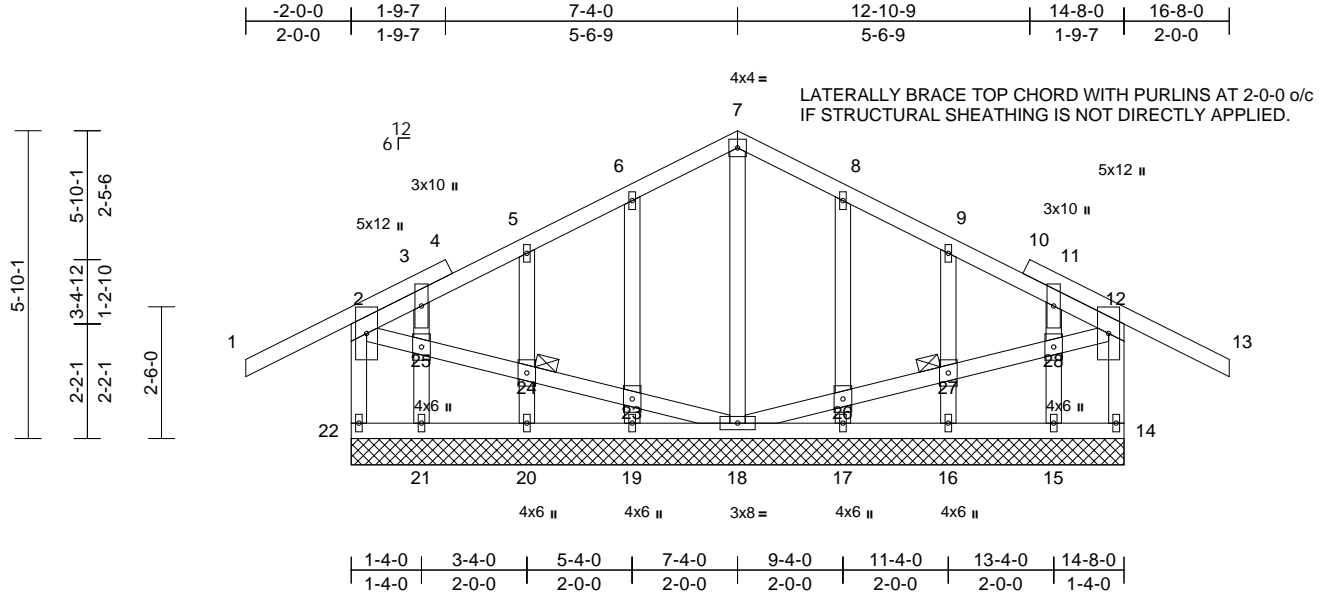
Job	Truss	Truss Type	Qty	Ply	
0624-025	D01	Common Supported Gable	2	1	T35491801
Job Reference (optional)					

Mayo Truss Company, Inc., Mayo, FL - 32066,

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Scale = 1:43.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	14	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							
Weight: 121 lb FT = 20%											

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

BRACING	
TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
JOINTS	1 Brace at Jt(s): 24, 27

REACTIONS	(size)	14=14-8-0, 15=14-8-0, 16=14-8-0, 17=14-8-0, 18=14-8-0, 19=14-8-0, 20=14-8-0, 21=14-8-0, 22=14-8-0
Max Horiz		22=130 (LC 11)
Max Uplift		14=76 (LC 12), 16=9 (LC 12), 17=3 (LC 12), 19=3 (LC 12), 20=9 (LC 12), 22=76 (LC 12)
Max Grav		14=246 (LC 24), 15=78 (LC 3), 16=154 (LC 1), 17=169 (LC 24), 18=172 (LC 1), 19=169 (LC 23), 20=154 (LC 1), 21=78 (LC 3), 22=246 (LC 23)

FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	2-22=-242/182, 1-2=0/50, 2-3=-49/27, 3-5=-27/50, 5-6=-22/55, 6-7=-38/106, 7-8=-38/106, 8-9=-21/56, 9-11=-26/49, 11-12=-47/18, 12-13=0/50, 12-14=-242/179
BOT CHORD	21-22=-120/101, 20-21=-120/101, 19-20=-120/101, 18-19=-120/101, 17-18=-30/47, 16-17=-30/47, 15-16=-30/47, 14-15=-30/47

WEBS	7-18=-127/0, 6-23=-128/90, 5-24=-116/91, 3-25=-68/9, 8-26=-128/90, 9-27=-116/91, 11-28=-51/7, 2-25=-52/121, 24-25=-51/119, 23-24=-51/119, 18-23=-53/124, 18-26=-55/126, 26-27=-53/121, 27-28=-53/121, 12-28=-54/123, 21-25=-68/18, 20-24=-113/89, 16-27=-113/89, 15-28=-53/15, 19-23=-129/82, 17-26=-129/82
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- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 22, 76 lb uplift at joint 14, 9 lb uplift at joint 20, 9 lb uplift at joint 16, 3 lb uplift at joint 19 and 3 lb uplift at joint 17.
- 13) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

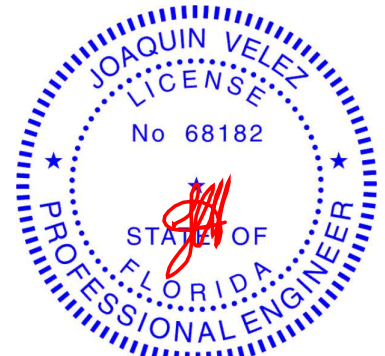
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 1.5x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 8) Gable studs spaced at 2'-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06-00 tall by 2'-00-00 wide will fit between the bottom chord and any other members.
- 11) All bearings are assumed to be SP No.2.



Review for Code Compliance
Universal Engineering Science

Examiner-License No. PX2707 12/31/2024



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

November 7, 2024

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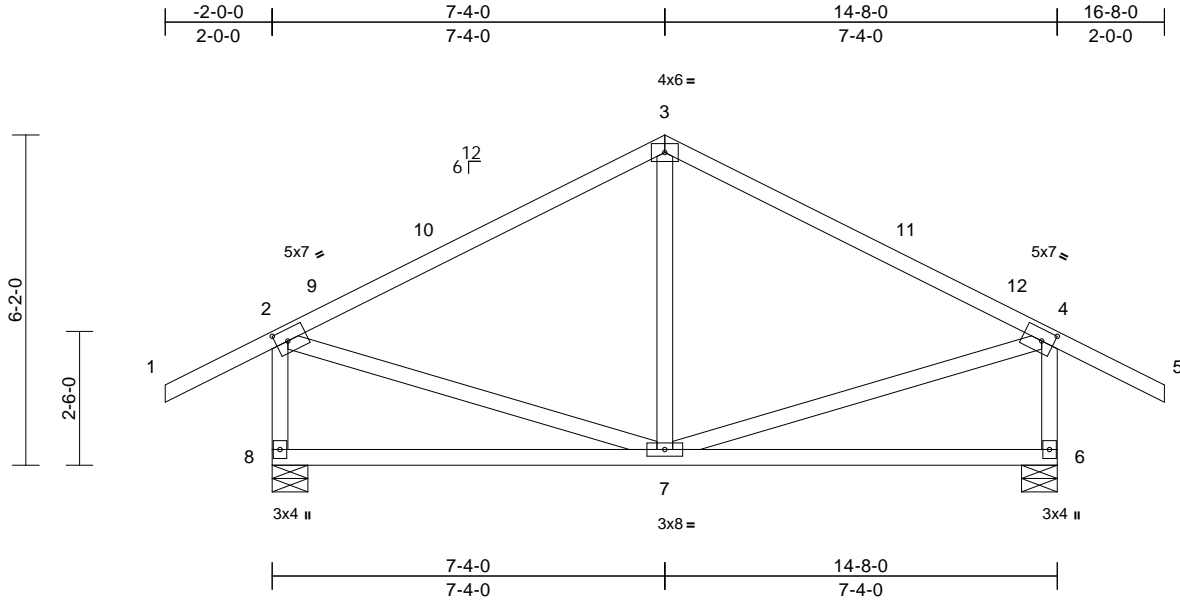
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
0624-025	D02	Common	4	1	T35491802

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:31
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Page: 1



Scale = 1:43											
Plate Offsets (X, Y): [2:0-2-11,0-2-8], [4:0-2-11,0-2-8]											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.05	7-8	>999	240	GRIP
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.10	7-8	>999	180	MT20
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	6	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							Weight: 89 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (size) 6=0-8-0, 8=0-8-0
Max Horiz 8=140 (LC 11)
Max Uplift 6=52 (LC 12), 8=52 (LC 12)
Max Grav 6=704 (LC 1), 8=704 (LC 1)

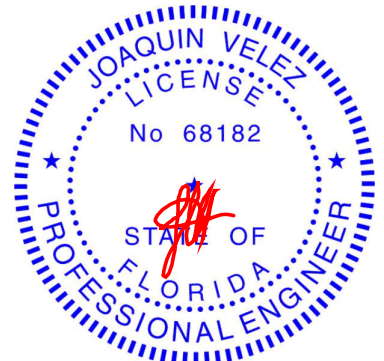
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=521/117, 3-4=521/117, 4-5=0/58, 2-8=637/237, 4-6=637/237
BOT CHORD 7-8=101/173, 6-7=3/86
WEBS 3-7=34/169, 2-7=0/326, 4-7=1/327

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Zone3 2-0-0 to 1-0-0, Zone1 1-0-0 to 7-4-0, Zone2 7-4-0 to 11-6-15, Zone1 11-6-15 to 16-8-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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.
- All bearings are assumed to be SP No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 52 lb uplift at joint 8 and 52 lb uplift at joint 6.
- This truss design requires that a minimum 1/2" x 6" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Review for Code Compliance
Universal Engineering Science
Lawrence Powell PX2707 12/31/2024
Examiner-License No.



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

November 7, 2024

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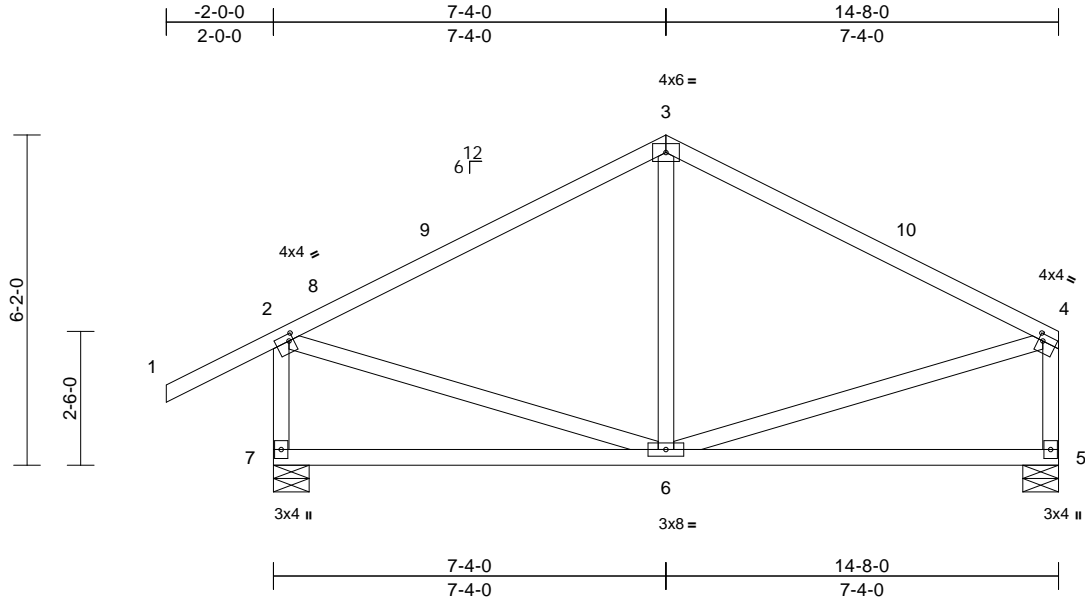
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
0624-025	D02A	Common	2	1	T35491803

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:31
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Page: 1



Scale = 1:43

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.05	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.10	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							Weight: 86 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (size) 5=0-8-0, 7=0-8-0
Max Horiz 7=136 (LC 11)
Max Uplift 7=51 (LC 12)
Max Grav 5=565 (LC 1), 7=713 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/58, 2-3=-536/116, 3-4=-531/122,
2-7=-647/235, 4-5=-498/150

BOT CHORD 6-7=-129/159, 5-6=-52/103

WEBS 3-6=-39/167, 2-6=-2/342, 4-6=-17/316

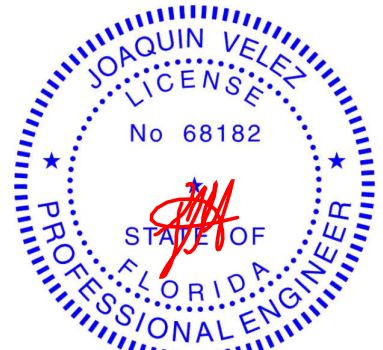
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft;
B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Zone3 2-0-0 to 1-0-0,
Zone1 1-0-0 to 7-4-0, Zone2 7-4-0 to 11-6-15, Zone1
11-6-15 to 14-6-4 zone; cantilever left and right
exposed; end vertical left and right exposed; C-C for
members and forces & MWFRS for reactions shown;
Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- 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.
- All bearings are assumed to be SP No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 7.
- This truss design requires that a minimum 1/2" x 6" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Review for Code Compliance
Universal Engineering Science
Lawrence Powell PX2707 12/31/2024
Examiner-License No.



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

November 7, 2024

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

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

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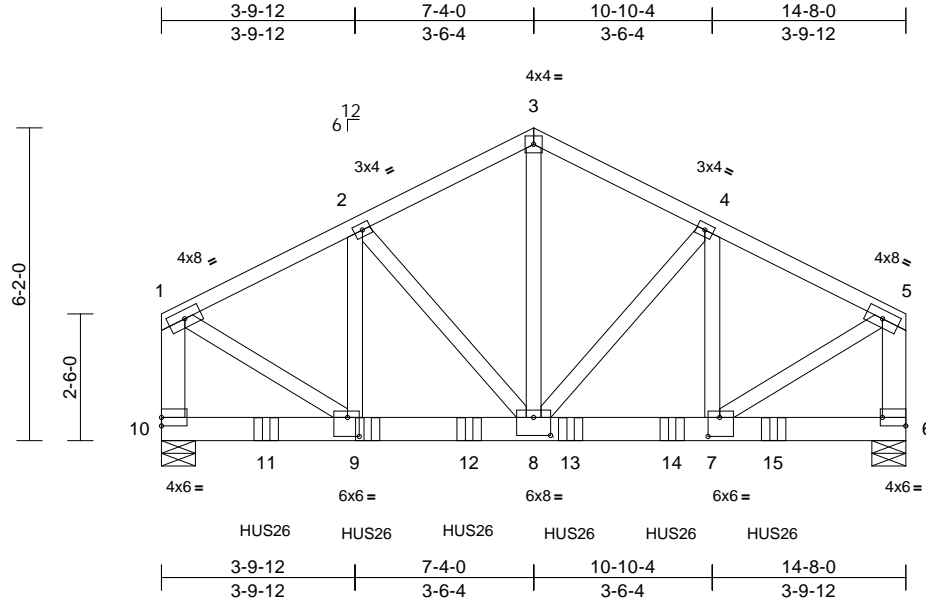
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
0624-025	D03	Common Girder	1	2	T35491804

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:31
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Page: 1



Scale = 1:45.4

Plate Offsets (X, Y): [6:Edge,0-2-0], [7:0-2-12,0-4-8], [8:0-4-0,0-4-4], [9:0-2-12,0-4-8]

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	0.19	Vert(LL)	-0.04	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.07	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS								
											Weight: 226 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2 *Except* 10-1,6-5:2x6 SP No.2

BRACING

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

REACTIONS (size) 6=0-8-0, 10=0-8-0
Max Horiz 10=-121 (LC 6)
Max Grav 6=4529 (LC 14), 10=4899 (LC 13)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4257/0, 2-3=-3843/0, 3-4=-3844/0, 4-5=-4172/0, 1-10=-4200/0, 5-6=-4147/0
BOT CHORD 9-10=-21/266, 8-9=0/3813, 7-8=0/3694, 6-7=0/150
WEBS 1-9=0/4198, 5-7=0/4172, 2-9=0/462, 2-8=-560/0, 3-8=0/3205, 4-8=-446/0, 4-7=0/342

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 2-9 2x4 - 1 row at 0-6-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft;
B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed;
MWFRS (directional); cantilever left and right exposed;
end vertical left and right exposed; Lumber DOL=1.60
plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf top 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 rectangular 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2.
- Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 12-0-12 to connect truss(es) to back face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

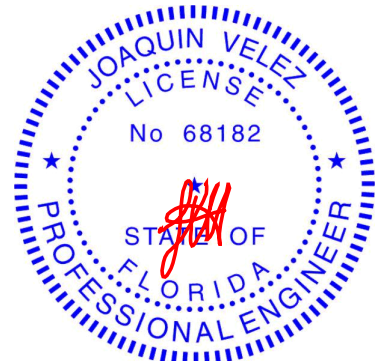
- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-5=-60, 6-10=-20
Concentrated Loads (lb)
Vert: 9=-1232 (B), 11=-1232 (B), 12=-1232 (B), 13=-1232 (B), 14=-1232 (B), 15=-1232 (B)



Review for Code Compliance
Universal Engineering Science

Signature: *Joanur Perrell*
3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
Examiner-License No.

PX2707 12/31/2024



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

November 7, 2024

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

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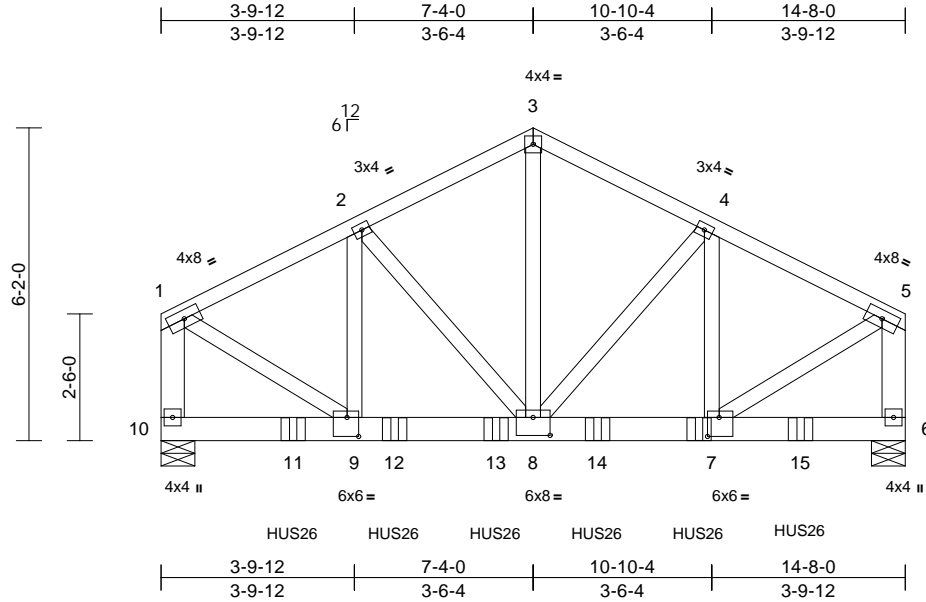
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
0624-025	D04	Common Girder	1	2	T35491805

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:32
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Page: 1



Scale = 1:45.4

Plate Offsets (X, Y): [7:0-2-12,0-4-8], [8:0-4-0,0-4-4], [9:0-2-12,0-4-8]

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	0.18	Vert(LL)	-0.04	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.07	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.43	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 226 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2 *Except* 10-1,6-5:2x6 SP No.2

BRACING

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

REACTIONS (size) 6=0-8-0, 10=0-8-0
Max Horiz 10=121 (LC 6)
Max Grav 6=4701 (LC 14), 10=4347 (LC 13)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4004/0, 2-3=-3688/0, 3-4=-3688/0, 4-5=-4085/0, 1-10=-3981/0, 5-6=-4032/0
BOT CHORD 9-10=-46/209, 8-9=0/3588, 7-8=0/3615, 6-7=0/195
WEBS 1-9=0/4002, 5-7=0/4027, 2-9=0/315, 2-8=-430/0, 3-8=0/3068, 4-8=-539/0, 4-7=0/427

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 4-7 2x4 - 1 row at 0-7-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.

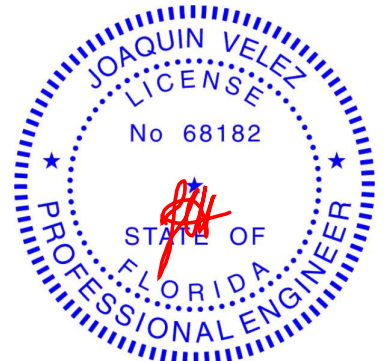
- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft;
B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed;
MWFRS (directional); cantilever left and right exposed;
end vertical left and right exposed; Lumber DOL=1.60
plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf top 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 rectangular 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2.
- Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-7-4 from the left end to 12-7-4 to connect truss(es) to back face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-5=-60, 6-10=-20
Concentrated Loads (lb)
Vert: 7=-1156 (B), 11=-1156 (B), 12=-1156 (B), 13=-1156 (B), 14=-1156 (B), 15=-1156 (B)

Review for Code Compliance
Universal Engineering Science

Signature: *Joaquin Velez* PX2707 12/31/2024
Examiner-License No.



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

November 7, 2024

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Chesterfield, MO 63017
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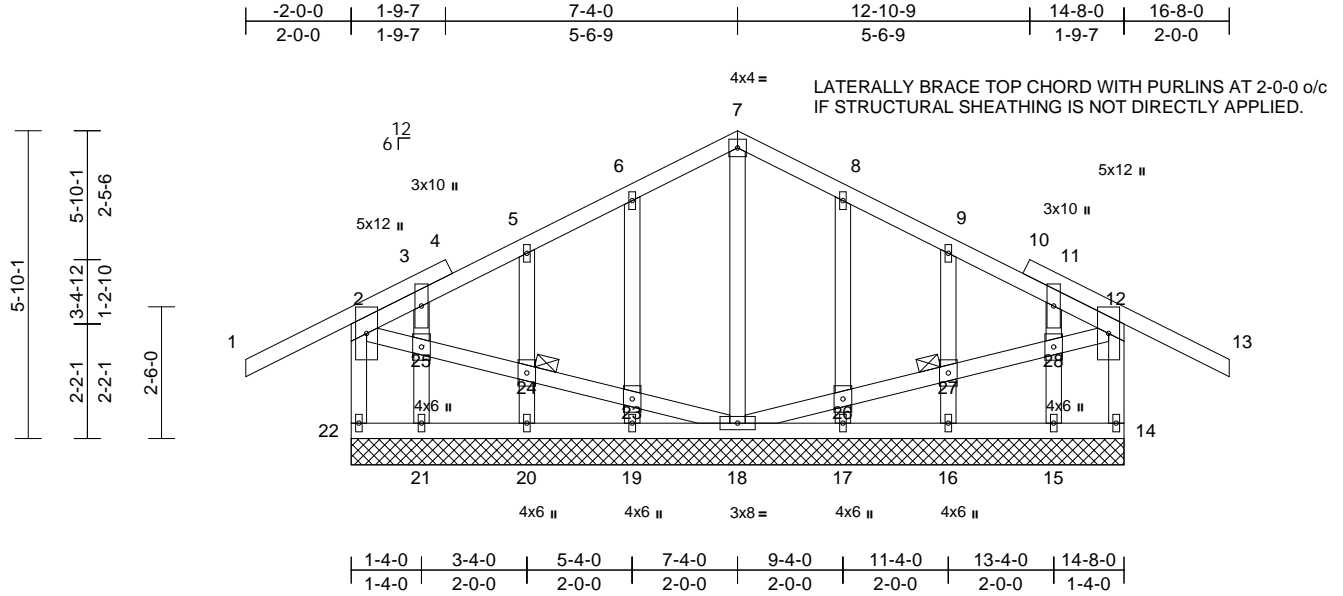
Job	Truss	Truss Type	Qty	Ply	
0624-025	D05	Common Supported Gable	1	1	T35491806
Job Reference (optional)					

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:32

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Scale = 1:43.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	14	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							
Weight: 121 lb FT = 20%											

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

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
JOINTS 1 Brace at Jt(s): 24, 27

REACTIONS (size)
14=14-8-0, 15=14-8-0, 16=14-8-0, 17=14-8-0, 18=14-8-0, 19=14-8-0, 20=14-8-0, 21=14-8-0, 22=14-8-0
Max Horiz 22=130 (LC 10)
Max Uplift 14=76 (LC 12), 16=9 (LC 12), 17=3 (LC 12), 19=3 (LC 12), 20=9 (LC 12), 22=76 (LC 12)
Max Grav 14=246 (LC 24), 15=78 (LC 3), 16=154 (LC 1), 17=169 (LC 24), 18=172 (LC 1), 19=169 (LC 23), 20=154 (LC 1), 21=78 (LC 3), 22=246 (LC 23)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-22=242/182, 1-2=0/50, 2-3=-49/27, 3-5=-27/50, 5-6=-22/55, 6-7=-38/106, 7-8=-38/106, 8-9=-21/56, 9-11=-26/49, 11-12=-47/18, 12-13=0/50, 12-14=-242/179
BOT CHORD 21-22=-120/101, 20-21=-120/101, 19-20=-120/101, 18-19=-120/101, 17-18=-30/47, 16-17=-30/47, 15-16=-30/47, 14-15=-30/47

WEBS
7-18=-127/0, 6-23=-128/90, 5-24=-116/91, 3-25=-68/9, 8-26=-128/90, 9-27=-116/91, 11-28=-51/7, 2-25=-52/121, 24-25=-51/119, 23-24=-51/119, 18-23=-53/124, 18-26=-55/126, 26-27=-53/121, 27-28=-53/121, 12-28=-54/123, 21-25=-68/18, 20-24=-113/89, 17-26=-129/82, 16-27=-113/89, 15-28=-53/15, 19-23=-129/82

NOTES

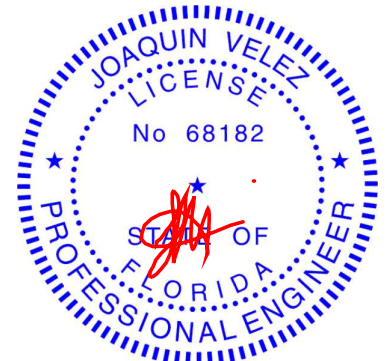
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2'-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06-00 tall by 2'-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 22, 76 lb uplift at joint 14, 9 lb uplift at joint 20, 3 lb uplift at joint 17, 9 lb uplift at joint 16 and 3 lb uplift at joint 19.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Review for Code Compliance
Universal Engineering Science

Examiner-License No. PX2707 12/31/2024



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

November 7, 2024

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MiTek®

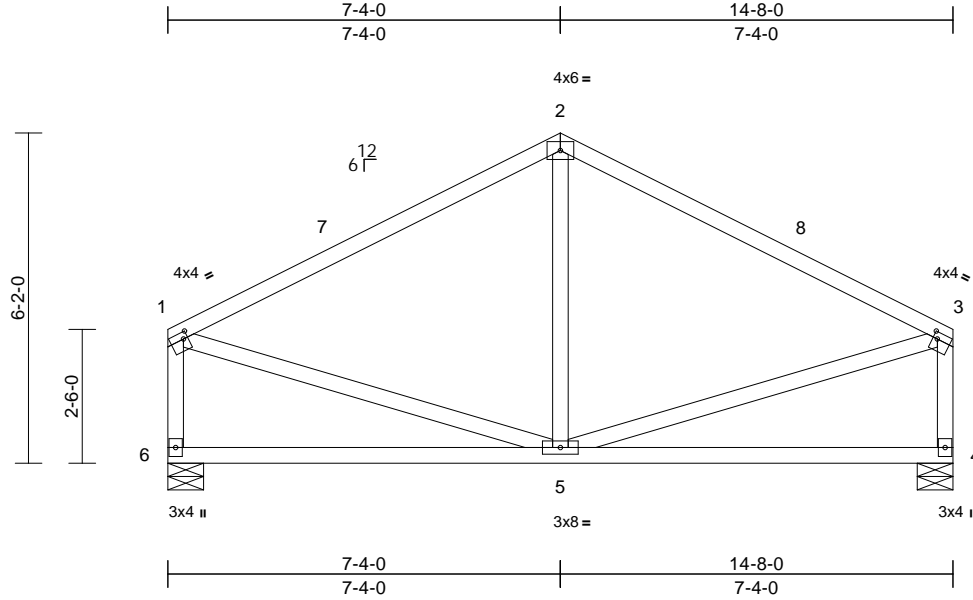
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
0624-025	D06	Common	3	1	T35491807

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:32
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Page: 1



Scale = 1:43

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.05	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.10	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							Weight: 82 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (size) 4=0-8-0, 6=0-8-0
Max Horiz 6=-122 (LC 10)
Max Grav 4=575 (LC 1), 6=575 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-546/122, 2-3=-546/121, 1-6=-508/149, 3-4=-508/149
BOT CHORD 5-6=-105/167, 4-5=-51/102
WEBS 2-5=-43/165, 1-5=-16/330, 3-5=-17/331

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 7-4-0, Zone2 7-4-0 to 11-6-15, Zone1 11-6-15 to 14-6-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.

- All bearings are assumed to be SP No.2.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

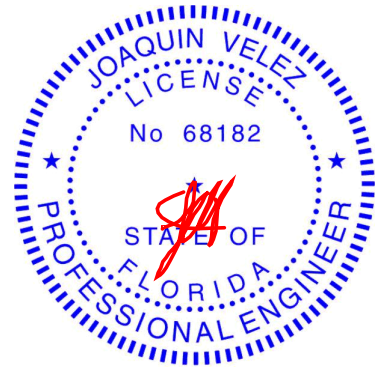


Review for Code Compliance
Universal Engineering Science

Lawrence Powell
Examiner-License No.

PX2707

12/31/2024



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

November 7, 2024

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®

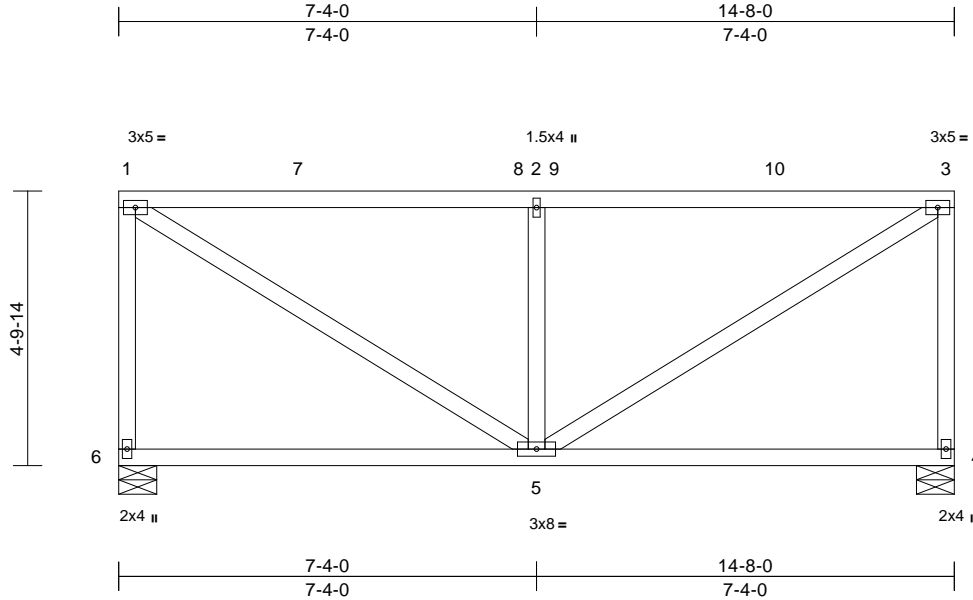
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
0624-025	D07	Flat	1	1	T35491808

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:32
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Page: 1



Scale = 1:40.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.11	5-6	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							Weight: 87 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (size) 4=0-8-0, 6=0-8-0
Max Horiz 6=-127 (LC 10)
Max Uplift 4=-29 (LC 9), 6=-29 (LC 8)
Max Grav 4=575 (LC 1), 6=575 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-509/296, 1-2=-549/215, 2-3=-549/215, 3-4=-509/296
BOT CHORD 5-6=-163/177, 4-5=-54/68
WEBS 1-5=-288/609, 2-5=-495/343, 3-5=-288/609

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft;
B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Zone3 0-1-12 to 3-1-12,
Zone2 3-1-12 to 11-6-4, Zone3 11-6-4 to 14-6-4 zone;
cantilever left and right exposed ; end vertical left and
right exposed;C-C for members and forces & MWFRS
for reactions shown; Lumber DOL=1.60 plate grip
DOL=1.60
- 2) Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 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) All bearings are assumed to be SP No.2 .

- 7) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 29 lb uplift at joint
6 and 29 lb uplift at joint 4.
- 8) This truss design requires that a minimum of 7/16"
structural wood sheathing be applied directly to the top
chord and 1/2" gypsum sheetrock be applied directly to
the bottom chord.

LOAD CASE(S) Standard

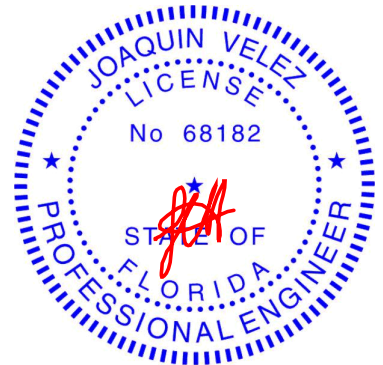


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Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

November 7, 2024

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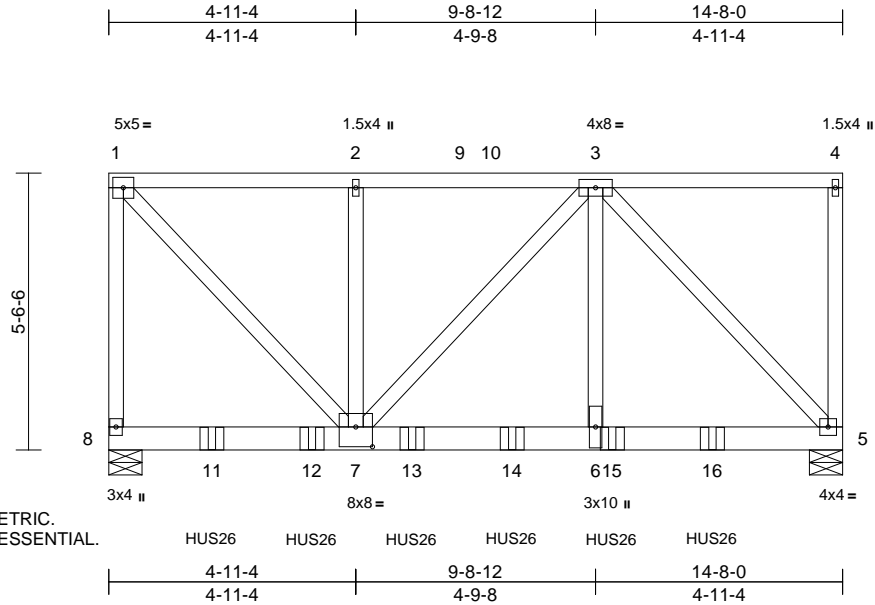
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
0624-025	D08	Flat Girder	1	2	T35491809

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Oct 31 2024 Print: 8.730 S Oct 31 2024 MiTek Industries, Inc. Thu Nov 07 08:37:32
ID:wbDM7RncYEIXs5Tk78wyfwyLdgi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



THIS TRUSS IS NOT SYMMETRIC.
PROPER ORIENTATION IS ESSENTIAL.

Scale = 1:46

Plate Offsets (X, Y): [7:0-4-0,0-4-12]

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	0.42	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.10	6-7	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 228 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.2

BRACING

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

REACTIONS (size) 5=0-8-0, 8=0-8-0
Max Horiz 8=-144 (LC 6)
Max Uplift 5=-71 (LC 5), 8=-73 (LC 4)
Max Grav 5=4513 (LC 13), 8=4825 (LC 14)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-8=-3985/84, 1-2=-3641/79, 2-3=-3641/79, 3-4=-74/49, 4-5=-134/28
BOT CHORD 7-8=-109/123, 6-7=-90/3586, 5-6=-90/3586
WEBS 1-7=-79/5278, 2-7=-289/84, 3-7=-30/115, 3-6=0/3483, 3-5=-5199/79

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

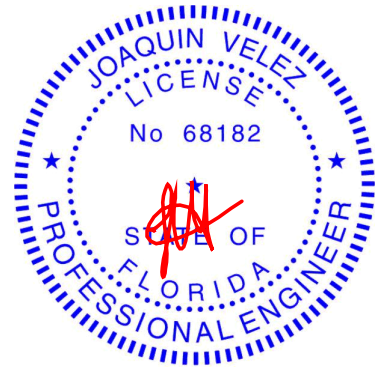
- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft;
B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed;
MWFRS (directional); cantilever left and right exposed;
end vertical left and right exposed; Lumber DOL=1.60
plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0 psf 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.
- All bearings are assumed to be SP 2400F 2.0E .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 73 lb uplift at joint 8 and 71 lb uplift at joint 5.
- Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 12-0-12 to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=-1232 (F), 12=-1232 (F), 13=-1232 (F), 14=-1232 (F), 15=-1232 (F), 16=-1232 (F)

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

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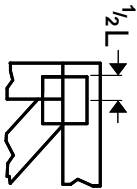
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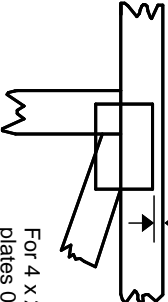
Symbols

PLATE LOCATION AND ORIENTATION

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



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.



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


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

PLATE SIZE

4 X 4

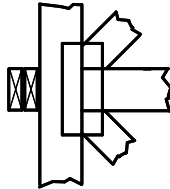
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

Industry Standards:
ANSI/TP11: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

dimensions shown in ft-in-sixteenths
(Drawings not to scale)

Joint ID
3 typ.

12/31/2024

TOP CHORD

1

2

TOP CHORDS

WEBS

3

4

TOP CHORD

6

7

8

BOTTOM CHORDS

Joints are generally numbered/lettered clockwise around the truss starting at the joint farthest to the left.

Chords and webs are identified by end joint numbers/letters.

Product Code Approvals


ICC-ES Reports:
ESR-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

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

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

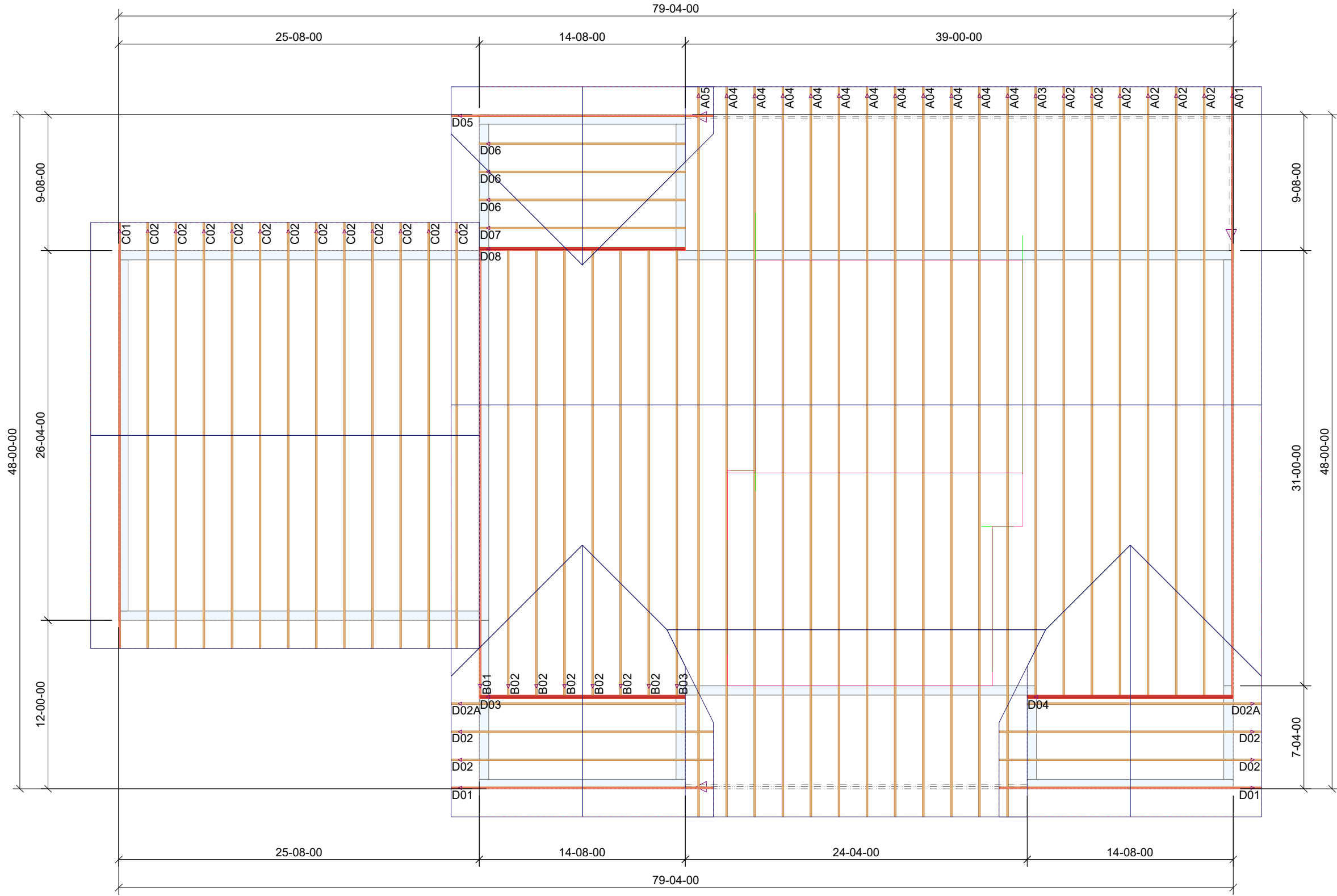
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General Safety Notes

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 BCSL.
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 warps at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.



Notes:
-Porches same height as walls
-2' Overhangs



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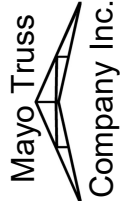
Lauren Parnell
Examiner-License No.

PX2707

12/31/2024

McConnell

Client: Scott Rosenboom
Date: 11/7/2024
Quote Date: / /
Seal Date: / /
Designer: Jason DeGroff
Job Number: 0624-025



High Springs FL.

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mayotruss@windstream.net