



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

RE: 6261167 - 1970-C

MiTek, Inc.

16023 Swingley Ridge Rd.

Chesterfield, MO 63017

Model: 1970-C

Site Information:

Customer Info: Adams Homes-Gainesville

Project Name: The Preserve at Laurel Lake

Lot/Block: 002

Subdivision: The Preserve at Laurel Lake

Address: 386 SW Rosemary Dr, .

City: Lake City

State: FL

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

Name:

License #:

Address:

City:

State:

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

Design Code: FBC2023/TPI2014

Design Program: MiTek 20/20 8.8

Wind Code: ASCE 7-22

Wind Speed: 130 mph

Roof Load: 40.0 psf

Floor Load: N/A psf

This package includes 37 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.

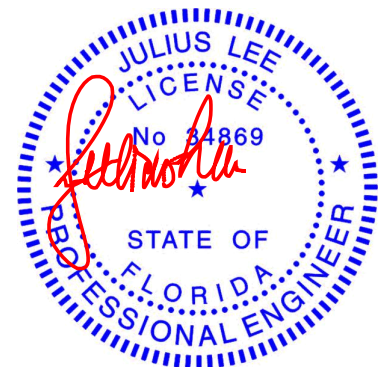
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T41078393	A01	5/5/26	23	T41078415	C1	5/5/26
2	T41078394	A02	5/5/26	24	T41078416	C1C	5/5/26
3	T41078395	A03	5/5/26	25	T41078417	C3C	5/5/26
4	T41078396	A04	5/5/26	26	T41078418	C3T	5/5/26
5	T41078397	A05	5/5/26	27	T41078419	C5C	5/5/26
6	T41078398	A06	5/5/26	28	T41078420	C5T	5/5/26
7	T41078399	A07	5/5/26	29	T41078421	E3C	5/5/26
8	T41078400	A08	5/5/26	30	T41078422	E7C	5/5/26
9	T41078401	A09	5/5/26	31	T41078423	E7T	5/5/26
10	T41078402	A10	5/5/26	32	T41078424	G01	5/5/26
11	T41078403	A11	5/5/26	33	T41078425	G01X	5/5/26
12	T41078404	A12	5/5/26	34	T41078426	G02	5/5/26
13	T41078405	A13	5/5/26	35	T41078427	H7C	5/5/26
14	T41078406	A14	5/5/26	36	T41078428	H7E	5/5/26
15	T41078407	A15	5/5/26	37	T41078429	H7T	5/5/26
16	T41078408	A16	5/5/26				
17	T41078409	A17	5/5/26				
18	T41078410	A18	5/5/26				
19	T41078411	B01	5/5/26				
20	T41078412	B02	5/5/26				
21	T41078413	B03	5/5/26				
22	T41078414	B04	5/5/26				

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Tibbetts Lumber Co., LLC.

Truss Design Engineer's Name: Lee, Julius

My license renewal date for the state of Florida is February 28, 2027.

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



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

May 6, 2026

Lee, Julius

1 of 1

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078393
6261167	A01	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:12 2026 Page 2
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-7ZBenjrnlZKmWctbrCiLi872fkfBvkQJwws0zzJa1H

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-4=-60, 4-5=-60, 5-8=-60, 8-10=-60, 18-21=-20
- Concentrated Loads (lb)
Vert: 8=-340(B) 11=-425(B) 24=-121(B) 26=-121(B) 27=-121(B) 28=-121(B) 29=-69(B) 30=-69(B) 31=-69(B) 32=-69(B)

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

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

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078394
6261167	A02	ROOF SPECIAL	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:13 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-bll0_3rQWyhBNgB48YjxuWgQP37_wGXZYagPZQzJa1G
1-4-0 6-4-12 11-4-0 13-8-0 18-1-0 22-6-0 26-7-0 30-8-0 33-3-3 39-8-0 41-0-0
1-4-0 6-4-12 4-11-5 2-4-0 4-5-0 4-5-0 4-1-0 4-1-0 2-7-4 6-4-13 1-4-0

Scale = 1:71.3

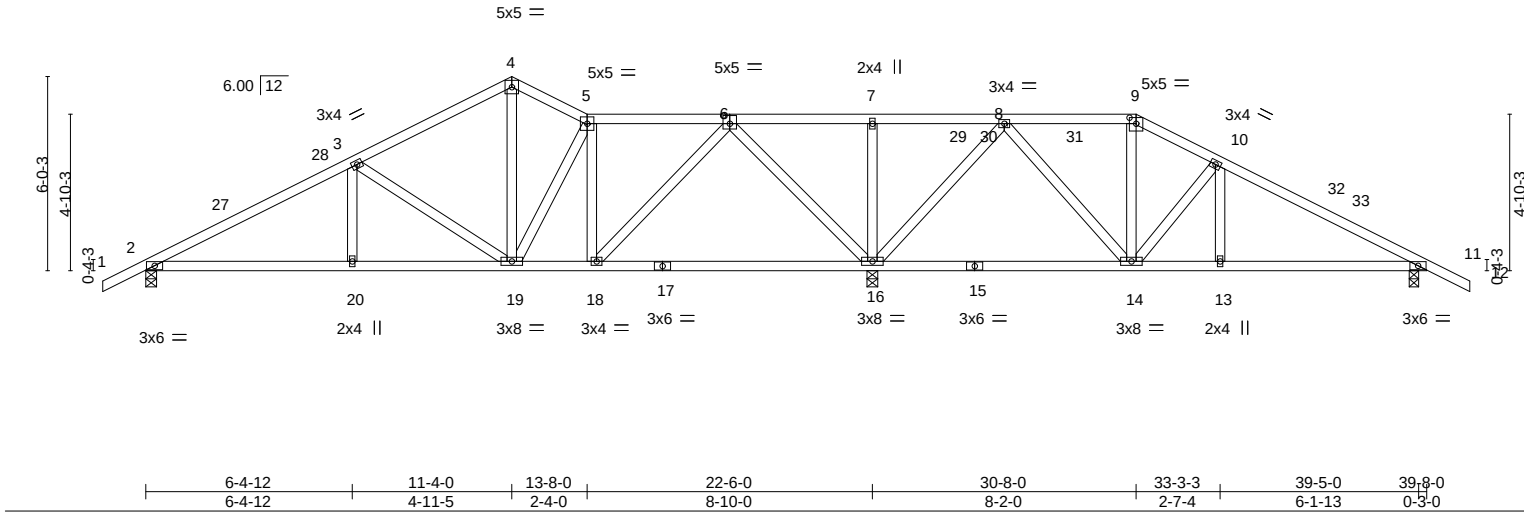


Plate Offsets (X,Y)-- [6:0-2-8,0-3-0], [9:0-2-8,0-2-4]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	20.0	Plate Grip DOL 1.25		TC	0.40	Vert(LL)	-0.10 16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.25		BC	0.56	Vert(CT)	-0.20 16-18	>999	240		
BCLL	0.0 *	Rep Stress Incr YES		WB	0.84	Horz(CT)	0.02 11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.10 14-16	>999	240	Weight: 219 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-11-9 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.2	6-0-0 oc bracing: 16-18,14-16.

REACTIONS. (size) 2=0-4-0, 16=0-4-0, 11=0-3-8
Max Horz 2=116(LC 11)
Max Uplift 2=-61(LC 12), 16=-253(LC 12), 11=-195(LC 12)
Max Grav 2=797(LC 1), 16=2010(LC 1), 11=565(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1165/109, 3-4=-662/101, 4-5=-610/119, 5-6=-510/64, 6-7=-79/863, 7-8=-79/863, 9-10=-333/263, 10-11=-646/322
BOT CHORD 2-20=-20/999, 19-20=-20/999, 18-19=0/547, 13-14=-223/516, 11-13=-223/516
WEBS 3-20=0/264, 3-19=-553/114, 4-19=-11/325, 5-18=-431/140, 6-18=-46/786, 6-16=-1200/157, 7-16=-251/68, 8-16=-958/313, 8-14=-192/592, 10-14=-427/212

- NOTES-
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 1-4-0 to 2-7-10, Zone1 2-7-10 to 11-4-0, Zone3 11-4-0 to 13-8-0, Zone1 13-8-0 to 30-8-0, Zone2 30-8-0 to 36-3-5, Zone1 36-3-5 to 41-0-0 zone; cantilever left and right exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 2, 253 lb uplift at joint 16 and 195 lb uplift at joint 11.



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

May 6,2026

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078396
6261167	A04	HIP	1	1		

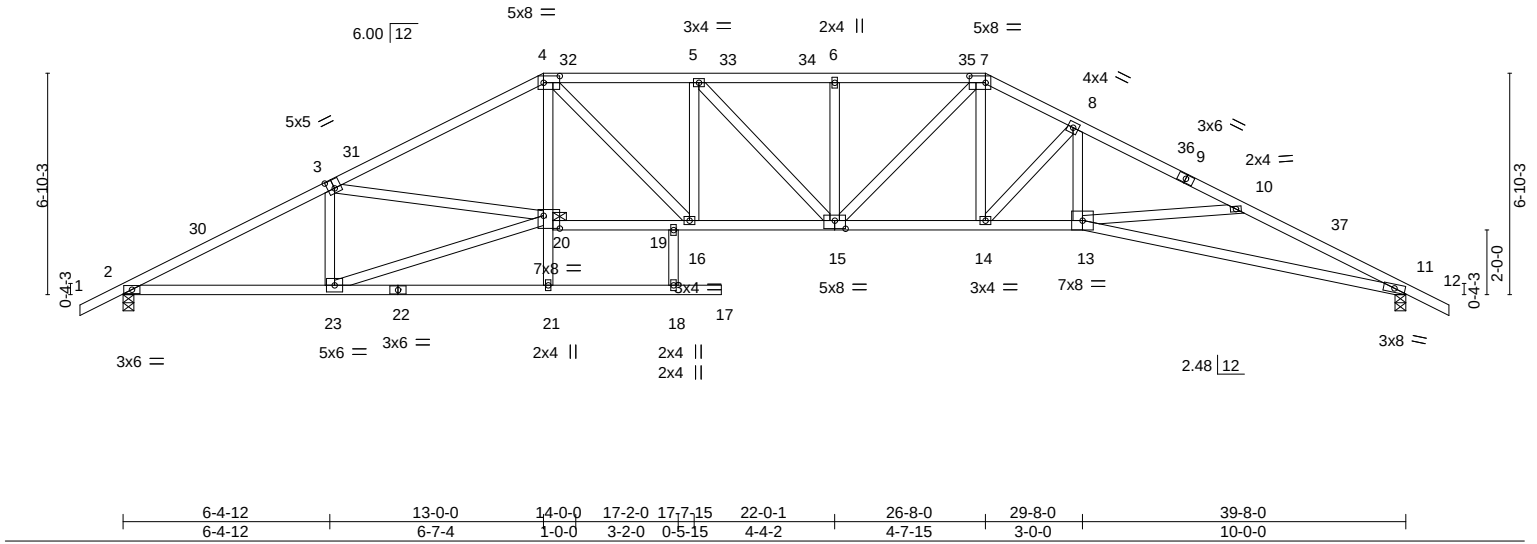
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:14 2026 Page 1

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1-4-0	6-4-12	13-0-0	14-0-0	17-7-15	22-0-1	26-8-0	29-8-0	34-4-15	39-8-0	41-0-0
1-4-0	6-4-12	6-7-5	1-0-0	3-7-15	4-4-2	4-7-15	3-0-0	4-8-15	5-3-1	1-4-0

Scale = 1:71.2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.73	Vert(LL)	-0.38 15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.84	Vert(CT)	-0.76 15-16	>629	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.65	Horz(CT)	0.42 11	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL)	0.21 15	>999	240	Weight: 235 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
3-4: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
BOT CHORD 2x4 SP No.2 *Except*	10-0-0 oc bracing: 16-19
11-13: 2x4 SP M 31 or 2x4 SP SS	JOINTS 1 Brace at Jt(s): 20
WEBS 2x4 SP No.2	

REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=-131(LC 10)
Max Uplift 2=-97(LC 12), 11=-99(LC 12)
Max Grav 2=1683(LC 1), 11=1680(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3124/230, 3-4=-3679/246, 4-5=-3479/271, 5-6=-3482/276, 6-7=-3482/276,
7-8=-3470/278, 8-10=-4479/299, 10-11=-4950/395
BOT CHORD 2-23=-136/2733, 19-20=-57/3252, 16-19=-57/3249, 15-16=-82/3479, 14-15=-70/3084,
13-14=-153/3912, 11-13=-307/4470
WEBS 3-23=-735/123, 3-20=0/596, 4-20=0/1069, 20-23=-145/2866, 4-16=-37/492,
5-16=-364/95, 6-15=-287/99, 7-15=-42/677, 7-14=-56/964, 8-14=-1237/122,
8-13=0/1053, 10-13=-422/137

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 13-0-0, Zone2 13-0-0 to 18-7-5, Zone1 18-7-5 to 26-8-0, Zone2 26-8-0 to 32-3-5, Zone1 32-3-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 99 lb uplift at joint 11.



Julius Lee PE No. 34869
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16023 Swingle Ridge Rd. Chesterfield, MO 63017
Date:

May 6, 2026

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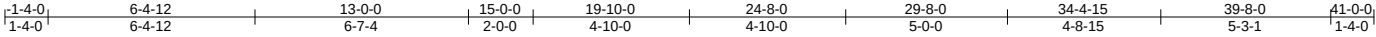
MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078397
6261167	A05	HIP	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:15 2026 Page 1
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Scale = 1:71.2

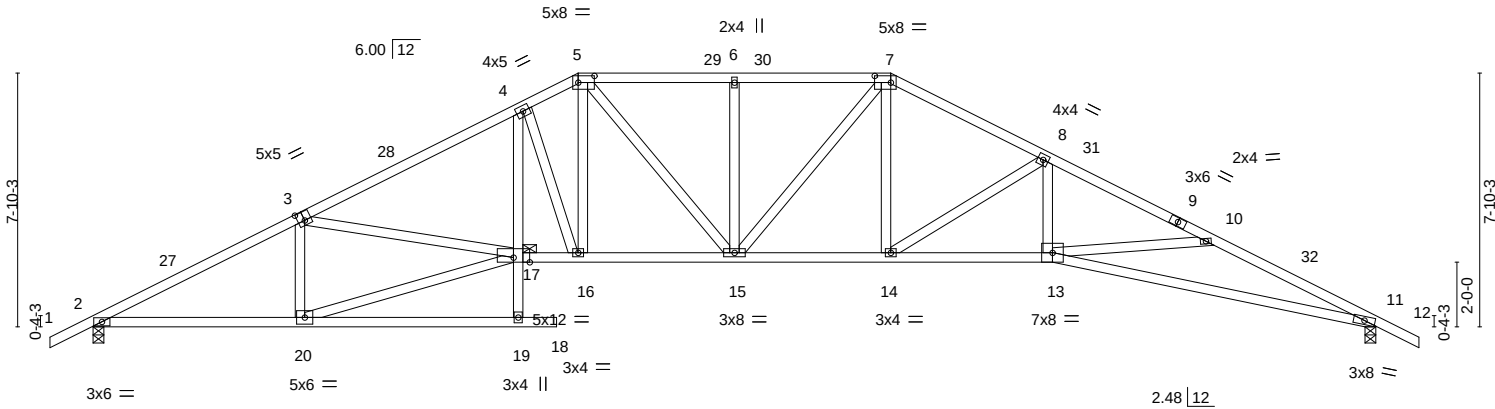


Plate Offsets (X,Y)--	[3:0-2-8,0-3-4], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8]
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LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25		TC 0.70	Vert(LL)	-0.36 13-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25		BC 0.96	Vert(CT)	-0.71 13-14	>669	240		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.86	Horz(CT)	0.40 11	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL)	0.20 13-14	>999	240	Weight: 235 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
11-13: 2x4 SP M 31 or 2x4 SP SS	10-0-0 oc bracing: 17-19
WEBS 2x4 SP No.2	JOINTS 1 Brace at Jt(s): 17

REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=-149(LC 10)
Max Uplift 2=-97(LC 12), 11=-102(LC 12)
Max Grav 2=1682(LC 1), 11=1675(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3116/228, 3-4=-3616/271, 4-5=-3051/279, 5-6=-2880/272, 6-7=-2880/272,
7-8=-3066/266, 8-10=-4471/318, 10-11=-4926/399
BOT CHORD 2-20=-132/2725, 4-17=-1/994, 16-17=-81/3147, 15-16=-28/2710, 14-15=-48/2697,
13-14=-174/3908, 11-13=-310/4447
WEBS 3-20=-696/125, 17-20=-156/2776, 3-17=0/494, 4-16=-1159/134, 5-16=-75/1020,
5-15=-46/411, 7-15=-33/438, 7-14=-25/874, 8-14=-1454/149, 8-13=0/1064,
10-13=-405/125, 6-15=-331/108

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 1-4-0 to 2-7-10, Zone1 2-7-10 to 15-0-0, Zone2 15-0-0 to 20-7-5, Zone1 20-7-5 to 24-8-0, Zone2 24-8-0 to 30-3-5, Zone1 30-3-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
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 - Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 102 lb uplift at joint 11.



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Date:

May 6,2026

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Job	Truss	Truss Type	Qty	Ply	1970-C	T41078398
6261167	A06	HIP	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:16 2026 Page 1
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Job Reference (optional)

1-4-0 6-4-12 13-0-0 17-0-0 22-8-0 29-8-0 34-4-15 39-8-0 41-0-0
1-4-0 6-4-12 6-7-4 4-0-0 5-8-0 7-0-0 4-8-15 5-3-1 1-4-0

Scale = 1:71.2

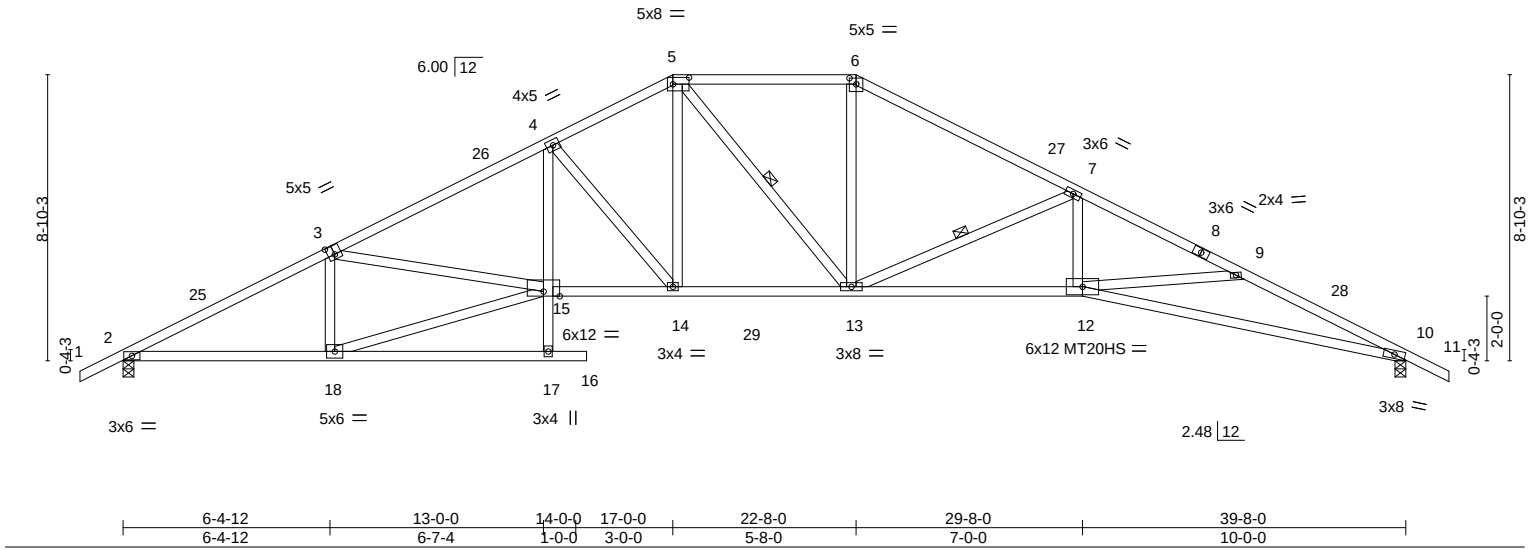


Plate Offsets (X,Y)--		[3:0-2-8,0-3-4], [5:0-6-0,0-2-8], [6:0-2-8,0-2-4]											
		6-4-12	13-0-0	14-0-0	17-0-0	22-8-0	29-8-0	39-8-0					
		6-4-12	6-7-4	1-0-0	3-0-0	5-8-0	7-0-0	10-0-0					
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP			
TCLL	20.0	Plate Grip DOL 1.25		TC 0.69		Vert(LL) -0.40 12-13 >999 360		MT20		244/190			
TCDL	10.0	Lumber DOL 1.25		BC 0.87		Vert(CT) -0.76 12-13 >626 240		MT20HS		187/143			
BCLL	0.0 *	Rep Stress Incr YES		WB 0.89		Horz(CT) 0.39 10 n/a n/a							
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL) 0.19 12-13 >999 240		Weight: 226 lb		FT = 20%			

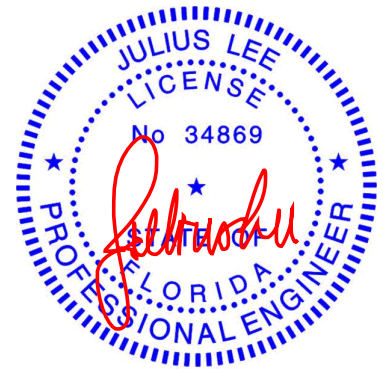
LUMBER-		BRACING-	
TOP CHORD 2x4 SP No.2 *Except*		TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.	
6-8: 2x4 SP M 31 or 2x4 SP SS		BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:	
BOT CHORD 2x4 SP No.2 *Except*		10-0-0 oc bracing: 15-17	
12-15,10-12: 2x4 SP M 31 or 2x4 SP SS		WEBS 1 Row at midpt 5-13, 7-13	
WEBS 2x4 SP No.2			

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=-168(LC 10)
Max Uplift 2=-97(LC 12), 10=-102(LC 12)
Max Grav 2=1868(LC 17), 10=1853(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3465/226, 3-4=-4042/273, 4-5=-3011/262, 5-6=-2637/260, 6-7=-3000/251,
7-9=-4957/325, 9-10=-5386/388
BOT CHORD 2-18=-130/3161, 4-15=0/1197, 14-15=-86/3638, 13-14=-7/2737, 12-13=-185/4317,
10-12=-300/4887
WEBS 3-18=-725/123, 15-18=-151/3222, 3-15=0/490, 4-14=-1411/119, 5-14=-32/1169,
6-13=0/1017, 7-13=-1934/179, 7-12=0/1287, 9-12=-382/109

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 17-0-0, Zone3 17-0-0 to 22-8-0, Zone2 22-8-0 to 28-3-5, Zone1 28-3-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 102 lb uplift at joint 10.



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

May 6,2026

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®

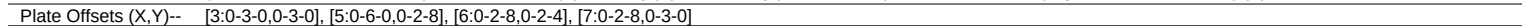
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:16 2026 Page 1

ID:1JtKGF4dEckC_La6ECUjVhzG9oz-?KQ9d4ulpt3lE8wfgqGfW8lqDH3i7hw?Eyu49zJa1d

1-4-0	6-4-12	14-0-0	19-0-0	20-8-0	27-7-4	29-8-0	34-4-15	39-8-0	41-0-0
1-4-0	6-4-12	7-7-3	5-0-0	1-8-0	6-11-4	2-0-13	4-8-15	5-3-1	1-4-0

Scale = 1:71.4



LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
	10-12: 2x4 SP M 31 or 2x4 SP SS		10-0-0 oc bracing: 16-18
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 4-15, 7-14

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

TOP CHORD 2-3=-3110/199, 3-4=-3635/238, 4-5=-2433/225, 5-6=-2120/230, 6-7=-2454/220,
7-8=-3728/268, 8-9=-4467/264, 9-10=-4937/362

BOT CHORD 2-19=-106/2718, 4-16=0/977, 15-16=-62/3190, 14-15=0/2110, 13-14=-99/3323,
12-13=-121/3888, 10-12=-278/4459

WEBS 3-19=-703/113, 16-19=-120/2809, 3-16=0/429, 4-15=-1381/132, 5-15=-40/834,
5-14=-175/256, 6-14=-18/780, 7-14=-1412/154, 7-13=0/982, 8-13=-1039/49,
8-12=0/1029, 9-12=-450/189

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 19-0-0, Zone3 19-0-0 to 20-8-0, Zone2 20-8-0 to 26-3-5, Zone1 26-3-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 102 lb uplift at joint 10.



May 6, 2026



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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078400
6261167	A08	ROOF SPECIAL	9	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:17 2026 Page 1

ID:1JtKGF4dEckC_La6ECUjVhzG9oz-TW_XqQuwaBBcsIvRNOou2Mr1zgNVs8o9TBediBzJa1C

Job Reference (optional)

1-4-0	6-4-12	14-0-0	19-10-0	27-7-5	29-8-0	34-4-15	39-8-0	41-0-0
1-4-0	6-4-12	7-7-3	5-10-0	7-9-5	2-0-11	4-8-15	5-3-1	1-4-0

Scale = 1:70.4

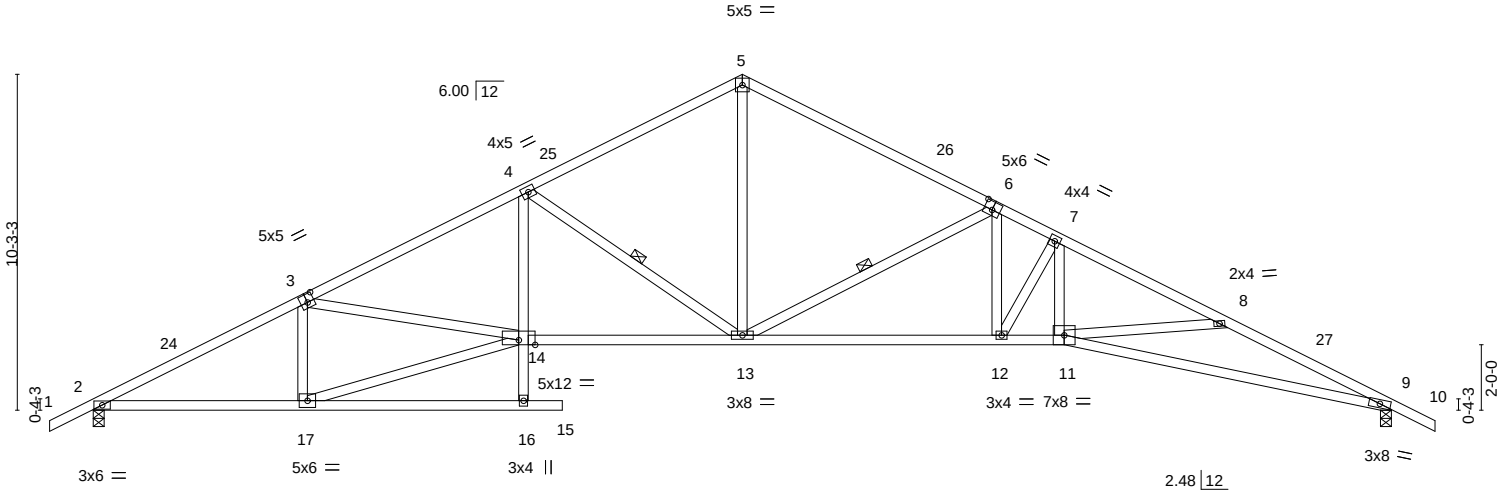


Plate Offsets (X,Y)--	[3:0-2-8,0-3-0], [6:0-3-0,0-3-0]
-----------------------	----------------------------------

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25		TC 0.74	Vert(LL)	-0.36	12	>999	MT20	244/190
TCDL 10.0	Lumber DOL 1.25		BC 0.97	Vert(CT)	-0.77	12-13	>615		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.63	Horz(CT)	0.41	9	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL)	0.21	12	>999		
								Weight: 223 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
5-6: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
BOT CHORD 2x4 SP No.2 *Except*	2-2-0 oc bracing: 13-14,12-13.
9-11: 2x4 SP M 31 or 2x4 SP SS	10-0-0 oc bracing: 14-16
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 4-13, 6-13

REACTIONS.	(size) 2=0-4-0, 9=0-4-0
Max Horz 2=193(LC 10)	
Max Uplift 2=97(LC 12), 9=102(LC 12)	
Max Grav 2=1682(LC 1), 9=1675(LC 1)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-3112/235, 3-4=-3637/270, 4-5=-2360/252, 5-6=-2374/244, 6-7=-3733/296, 7-8=-4465/296, 8-9=-4938/396
BOT CHORD	2-17=-119/2721, 4-14=0/965, 13-14=-84/3194, 12-13=-135/3338, 11-12=-149/3886, 9-11=-308/4460
WEBS	3-17=-700/116, 14-17=-133/2796, 3-14=0/441, 4-13=-1417/161, 5-13=-60/1619, 6-13=-1487/190, 6-12=0/969, 7-12=-1010/50, 7-11=-9/1024, 8-11=-458/151

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 19-10-0, Zone2 19-10-0 to 25-5-5, Zone1 25-5-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 102 lb uplift at joint 9.



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

May 6,2026

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	1970-C	T41078401
6261167	A09	ROOF SPECIAL	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL),

Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:18 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-yjYv2mvYLUJTUR41x5J7bZOC74jkb2lirNAEdzJa1B

1-4-0

6-4-12

14-0-0

19-10-0

27-7-5

29-8-0

34-3-12

39-8-0

41-0-0

1-4-0

6-4-12

7-7-3

5-10-0

7-9-5

2-0-11

4-7-12

5-4-4

1-4-0

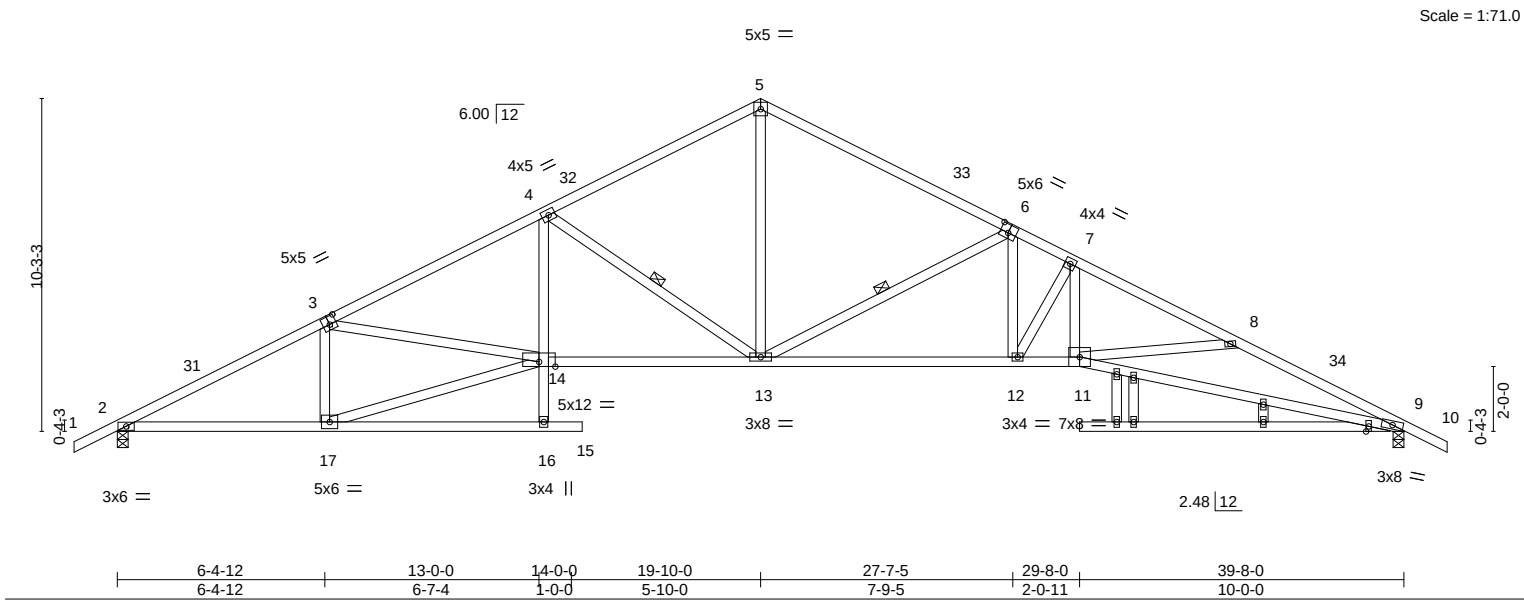


Plate Offsets (X,Y)--		[3:0-2-8,0-3-0], [6:0-3-0,0-3-0]					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.72	Vert(LL)	-0.36 12	>999	360
TCDL 10.0	Lumber DOL	1.25	BC 0.97	Vert(CT)	-0.77 12-13	>615	240
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.63	Horz(CT)	0.41 9	n/a	n/a
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS	Wind(LL)	0.21 12	>999	240
				Weight: 242 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 5-6: 2x4 SP M 31 or 2x4 SP SS	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	2x4 SP No.2 *Except* 9-11: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing. Except: 10-0-0 oc bracing: 14-16
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 4-13, 6-13

REACTIONS.

(size) 2=0-4-0, 9=0-4-0

Max Horz 2=-193(LC 10)

Max Uplift 2=-97(LC 12), 9=-102(LC 12)

Max Grav 2=1682(LC 1), 9=1675(LC 1)

FORCES.

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

TOP CHORD 2-3=-3112/235, 3-4=-3637/270, 4-5=-2360/252, 5-6=-2374/244, 6-7=-3731/295,
7-8=-4462/295, 8-9=-4931/395

BOT CHORD 2-17=-119/2721, 4-14=0/965, 13-14=-84/3194, 12-13=-135/3338, 11-12=-148/3884,
9-11=-306/4453

WEBS 3-17=-700/116, 14-17=-133/2796, 3-14=0/441, 4-13=-1418/161, 5-13=-60/1619,
6-13=-1487/190, 6-12=0/965, 7-12=-1006/48, 7-11=-11/1028, 8-11=-453/150

- NOTES-**

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

2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 19-10-0, Zone2 19-10-0 to 25-5-5, Zone1 25-5-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

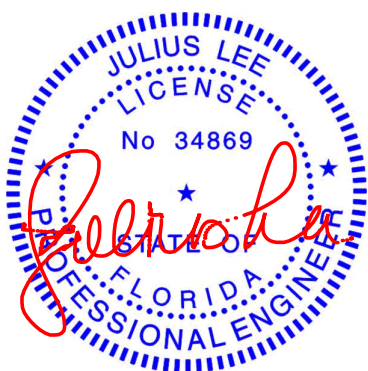
4) All plates are 2x4 MT20 unless otherwise indicated.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

7) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 102 lb uplift at joint 9.



Julius Lee PE No. 34869

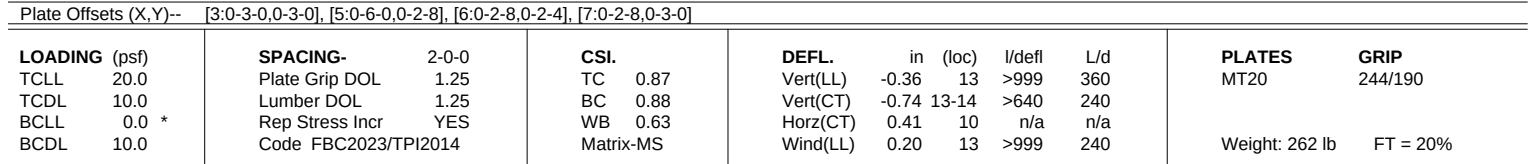
MiTek Inc. DBA MiTek USA FL Cert 6634

16023 Swingley Ridge Rd. Chesterfield, MO 63017

Date:

May 6,2026

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:18 2026 Page 1
 ID:1JtKGF4dEcKc_La6ECUjVhzG9oz-yjYv2mVLUJTUR41x5J7bZOAi4Bbb3lrNAEdzJa1B
 1-4-0 6-4-12 14-0-0 19-0-0 20-8-0 27-7-4 29-8-0 34-4-15 39-8-0 41-0-0
 1-4-0 6-4-12 7-7-3 5-0-0 1-8-0 6-11-4 2-0-13 4-8-15 5-3-1 1-4-0



REACTIONS. (size) 2=0-4-0, 10=0-4-0
 Max Horz 2=-186(LC 10)
 Max Uplift 2=-97(LC 12), 10=-102(LC 12)
 Max Grav 2=1682(LC 1), 10=1675(LC 1)

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

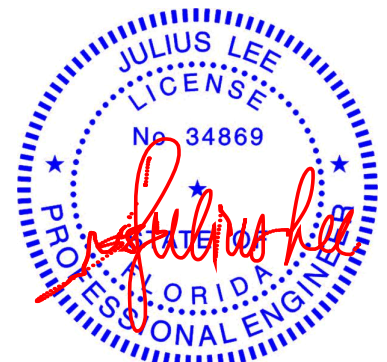
TOP CHORD 2-3=-3110/199, 3-4=-3627/238, 4-5=-2419/225, 5-6=-2121/230, 6-7=-2455/220,
7-8=-3727/268, 8-9=-4467/264, 9-10=-4937/362

BOT CHORD 2-20=-106/2718, 4-17=0/981, 15-17=-60/3181, 14-15=0/2096, 13-14=-99/3323,
12-13=-121/3888, 10-12=-278/4459

WEBS 3-20=-699/113, 17-20=-120/2792, 3-17=0/423, 4-15=-1384/132, 5-15=-39/753,
5-14=-112/309, 6-14=-18/781, 7-14=-1411/154, 7-13=0/980, 8-13=-1040/49,
8-12=-0/1030, 9-12=-450/139

NOTES:-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 19-0-0, Zone3 19-0-0 to 20-8-0, Zone2 20-8-0 to 26-3-5, Zone1 26-3-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 102 lb uplift at joint 10.



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

May 6, 2026



WARNING: Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MH-7475 (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	1970-C	T41078403
6261167	A11	HIP	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,			8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:19 2026 Page 1			
			ID:1JtKGf4dEckC_La6ECUjVhzG9oz-Qv6HF6wA6oRK5bfDVpqM8nwOIU5XK_DRwV7km3zJa1A			
1-4-0	6-4-12	13-0-0	17-0-0	22-8-0	29-8-0	34-4-15
1-4-0	6-4-12	6-7-4	4-0-0	5-8-0	7-0-0	4-8-15
						39-8-0
						41-0-0
						1-4-0

Scale = 1:71.4

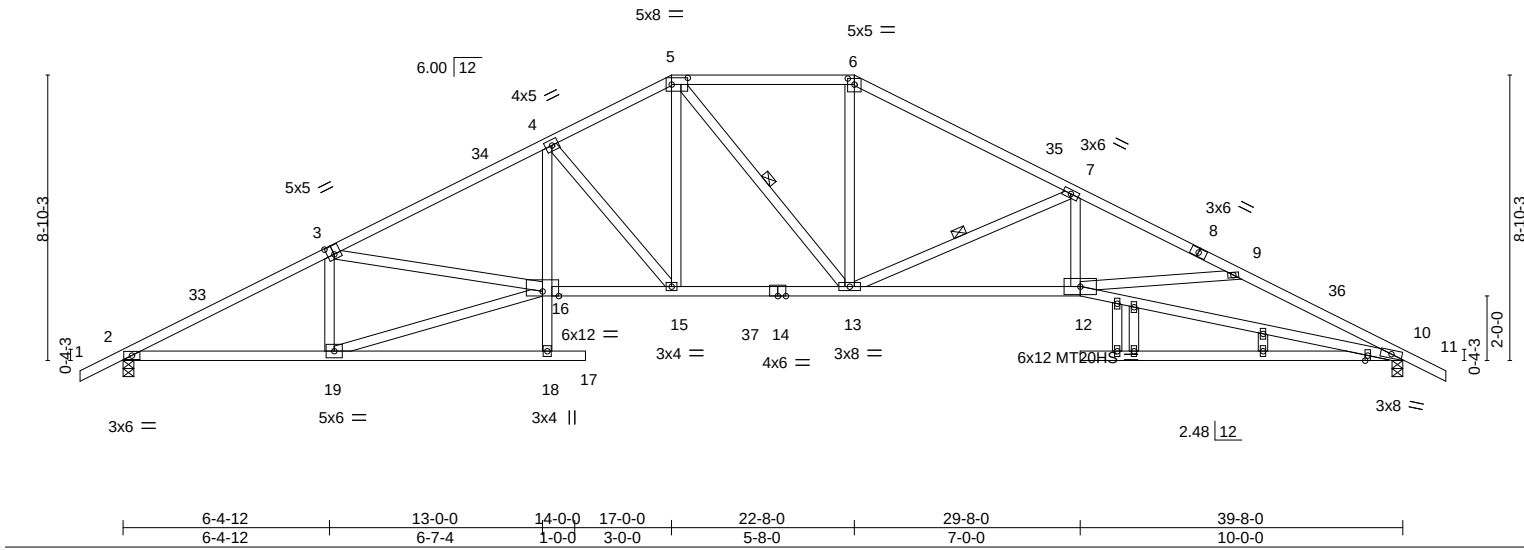


Plate Offsets (X,Y)--		[3:0-2-8,0-3-4], [5:0-6-0,0-2-8], [6:0-2-8,0-2-4]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.40 12-13 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.77 12-13 >621 240	MT20HS		187/143	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.41 10 n/a n/a				
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.19 12-13 >999 240				
								Weight: 245 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 6-8: 2x4 SP M 31 or 2x4 SP SS	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	2x4 SP No.2 *Except* 10-12,12-14: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 10-0-0 oc bracing: 16-18
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 5-13, 7-13

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=168(LC 11)
Max Uplift 2=-97(LC 12), 10=-102(LC 12)
Max Grav 2=1868(LC 17), 10=1853(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3465/226, 3-4=-4044/274, 4-5=-3011/262, 5-6=-2637/260, 6-7=-3000/251,
7-9=-4957/325, 9-10=-5386/388
BOT CHORD 2-19=-130/3161, 4-16=0/1202, 15-16=-86/3640, 13-15=-7/2736, 12-13=-185/4317,
10-12=-300/4887
WEBS 3-19=-727/123, 16-19=-151/3227, 3-16=0/491, 4-15=-1416/119, 5-15=-33/1167,
6-13=0/1017, 7-13=-1934/179, 7-12=0/1287, 9-12=-382/109

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 17-0-0, Zone3 17-0-0 to 22-8-0, Zone2 22-8-0 to 28-3-5, Zone1 28-3-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 102 lb uplift at joint 10.



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

May 6,2026

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
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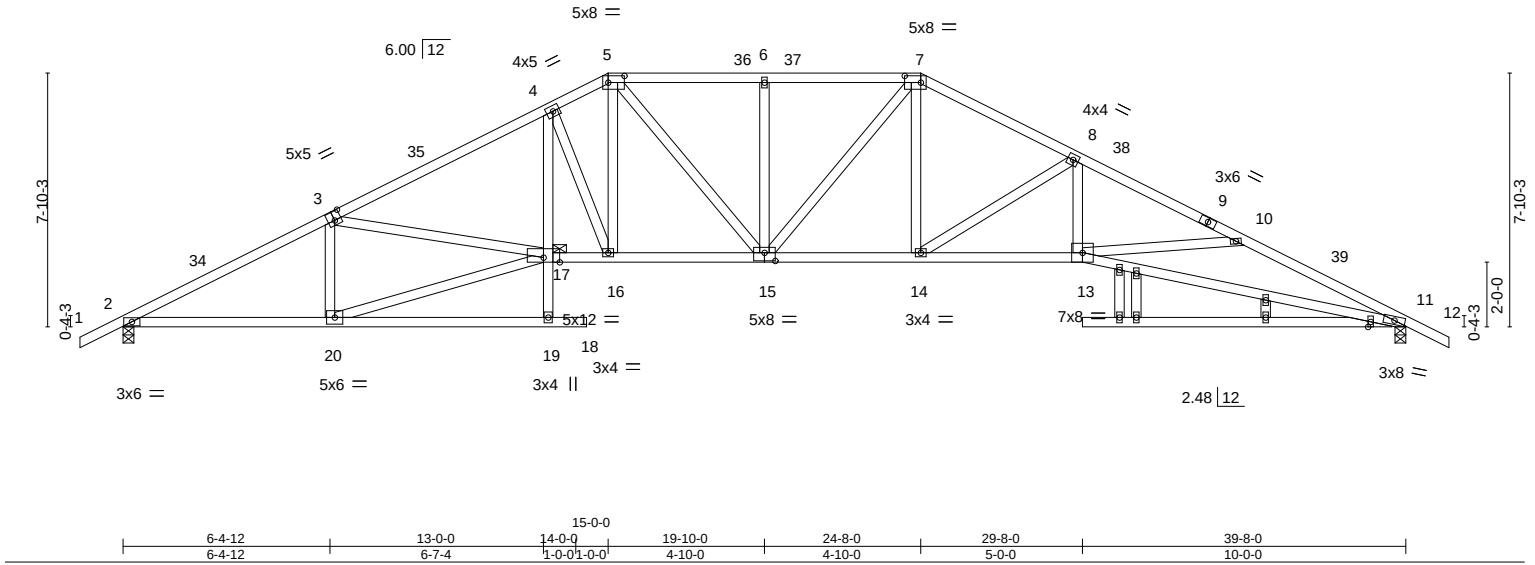
Job	Truss	Truss Type	Qty	Ply	1970-C	T41078404
6261167	A12	HIP	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:20 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-u5gfSSxpt6ZBjIEQ3WLbg_TZvuQO3R_b99sHIWzJa19

1-4-0	6-4-12	14-0-0	15-0-0	19-10-0	24-8-0	29-8-0	34-4-15	39-8-0	41-0-0
1-4-0	6-4-12	7-7-3	1-0-0	4-10-0	4-10-0	5-0-0	4-8-15	5-3-1	1-4-0

Scale = 1:71.2



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	-0.36 13-14 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.71 13-14 >669 240				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.40 11 n/a n/a				
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.20 13-14 >999 240				
								Weight: 254 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS	2x4 SP No.2		10-0-0 oc bracing: 17-19
		JOINTS	1 Brace at Jt(s): 17

REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=-149(LC 10)
Max Uplift 2=-97(LC 12), 11=-102(LC 12)
Max Grav 2=1682(LC 1), 11=1675(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3116/228, 3-4=-3616/271, 4-5=-3051/279, 5-6=-2880/272, 6-7=-2880/272,
7-8=-3066/266, 8-10=-4471/318, 10-11=-4926/399
BOT CHORD 2-20=-132/2725, 4-17=-1/994, 16-17=-81/3147, 15-16=-28/2710, 14-15=-48/2697,
13-14=-174/3908, 11-13=-310/4447
WEBS 3-20=-696/125, 17-20=-156/2776, 3-17=0/494, 4-16=-1159/134, 5-16=-75/1020,
5-15=-46/411, 6-15=-331/108, 7-15=-33/438, 7-14=-25/874, 8-14=-1454/149,
8-13=0/1064, 10-13=-405/125

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 1-4-0 to 2-7-10, Zone1 2-7-10 to 15-0-0, Zone2 15-0-0 to 20-7-5, Zone1 20-7-5 to 24-8-0, Zone2 24-8-0 to 30-3-5, Zone1 30-3-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 102 lb uplift at joint 11.



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

May 6,2026

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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078405
6261167	A13	HIP	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:21 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-MHD2goyRePh2LvoccEsqDC0m?loWoyikOpcqyzJa18

1-4-0	6-4-12	13-0-0	14-0-0	16-6-14	20-0-0	23-1-3	26-8-0	33-3-4	39-8-0	41-0-0
1-4-0	6-4-12	6-7-5	1-0-0	2-6-14	3-5-2	3-1-3	3-6-13	6-7-4	6-4-12	1-4-0

Scale = 1:71.3

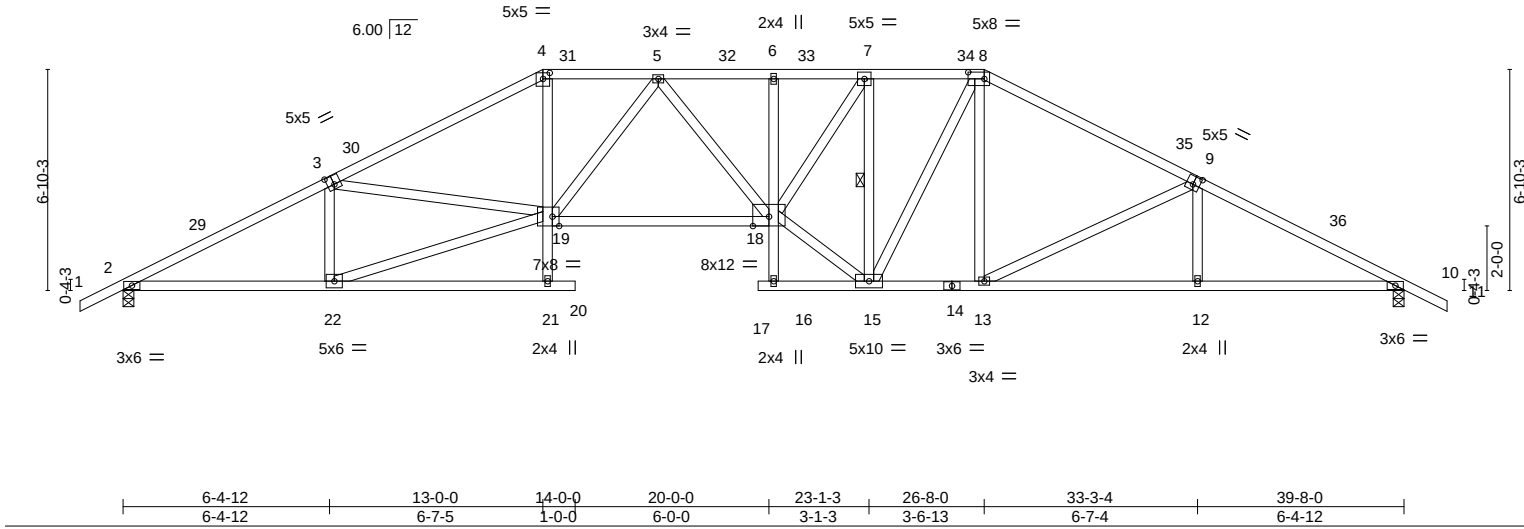


Plate Offsets (X,Y)--		[3:0-2-8,0-3-4], [4:0-2-8,0-2-4], [8:0-6-0,0-2-8], [9:0-2-8,0-3-0], [19:0-2-8,Edge]
LOADING (psf)	SPACING-	2-0-0
TCLL 20.0	Plate Grip DOL	1.25
TCDL 10.0	Lumber DOL	1.25
BCLL 0.0 *	Rep Stress Incr	YES
BCDL 10.0	Code	FBC2023/TPI2014
	CSI.	
	TC	0.55
	BC	0.77
	WB	0.64
	Matrix-MS	
	DEFL.	
	in (loc)	I/defl
	Vert(LL)	-0.28 17 >999 360
	Vert(CT)	-0.62 18-19 >773 240
	Horz(CT)	0.26 10 n/a n/a
	Wind(LL)	0.16 17 >999 240
	PLATES	GRIP
	MT20	244/190
	Weight: 244 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD	TOP CHORD
2x4 SP No.2 *Except*	Structural wood sheathing directly applied or 2-11-5 oc purlins.
3-4,8-9: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
2x4 SP No.2 *Except*	10-0-0 oc bracing: 16-18
18-19: 2x4 SP M 31 or 2x4 SP SS	WEBS
WEBS	1 Row at midpt
2x4 SP No.2	7-15

REACTIONS.	(size) 2=0-4-0, 10=0-4-0
	Max Horz 2=131(LC 11)
	Max Uplift 2=98(LC 12), 10=101(LC 12)
	Max Grav 2=1681(LC 1), 10=1676(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-3121/231, 3-4=-3488/255, 4-5=-3120/263, 5-6=-3498/278, 6-7=-3475/281, 7-8=-2359/254, 8-9=-2494/234, 9-10=-3105/239
BOT CHORD	2-22=-136/2730, 18-19=-104/3378, 13-15=-54/2151, 12-13=-153/2713, 10-12=-151/2716
WEBS	3-22=-630/127, 3-19=0/454, 4-19=-20/1234, 19-22=-147/2826, 5-19=-567/67, 5-18=0/295, 15-18=-60/2796, 7-18=-51/2052, 7-15=-1908/99, 8-15=-43/549, 8-13=0/436, 9-13=-639/110, 9-12=0/276

- NOTES-
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 13-0-0, Zone2 13-0-0 to 18-7-5, Zone1 18-7-5 to 26-8-0, Zone2 26-8-0 to 32-3-5, Zone1 32-3-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 2 and 101 lb uplift at joint 10.



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

May 6,2026

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078406
6261167	A14	HIP	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:22 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-qUnQt8y3Pjpy3NoAxN3IPYzFhDeXRuucTLONozJa17

1-4-0	6-4-12	11-0-0	14-4-0	19-8-0	23-7-6	28-8-0	33-3-4	39-8-0	41-0-0
1-4-0	6-4-12	4-7-4	3-4-0	5-4-0	3-11-6	5-0-10	4-7-4	6-4-12	1-4-0

Scale = 1:70.1

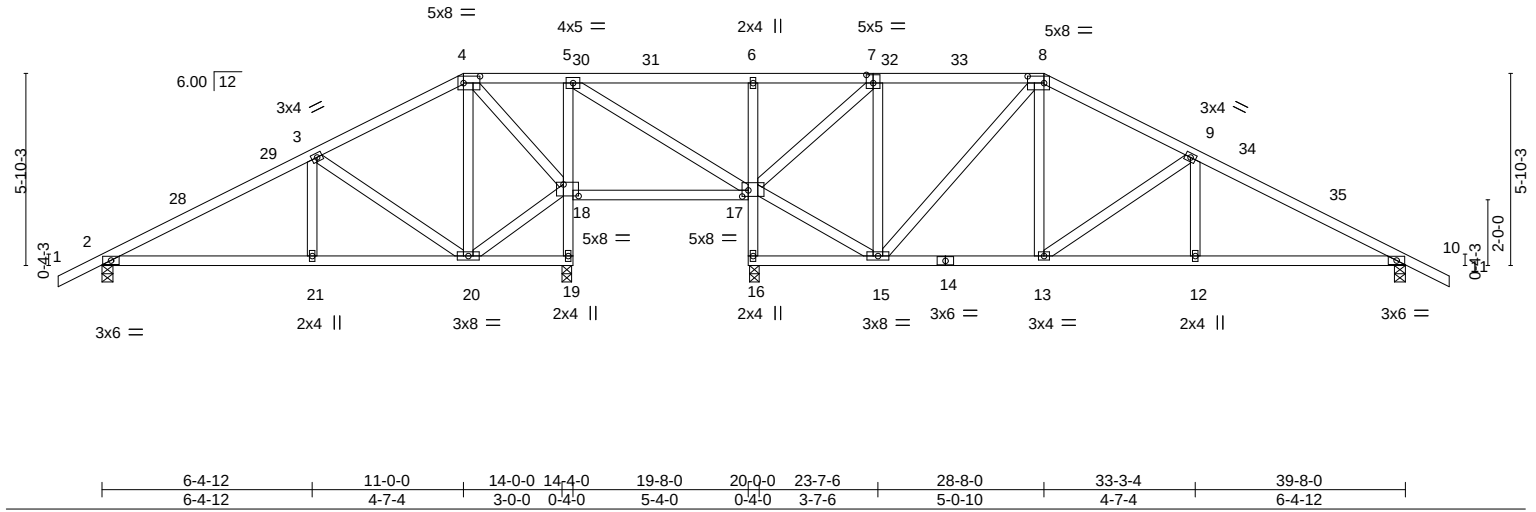


Plate Offsets (X,Y)--										[4:0-6-0,0-2-8], [7:0-2-8,0-3-0], [8:0-6-0,0-2-8], [17:0-2-4,0-2-4], [18:0-5-8,0-4-4]									
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.39	Vert(LL)	-0.05	12-27	>999		360		MT20		244/190		
TCDL	10.0	Lumber DOL		1.25		BC	0.46	Vert(CT)	-0.11	12-27	>999		240						
BCLL	0.0 *	Rep Stress Incr		YES		WB	0.45	Horz(CT)	-0.01	16	n/a		n/a						
BCDL	10.0	Code FBC2023/TPI2014				Matrix-MS		Wind(LL)	0.03	12-27	>999		240		Weight: 235 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 or 4-10-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-5-11 oc bracing.

REACTIONS.

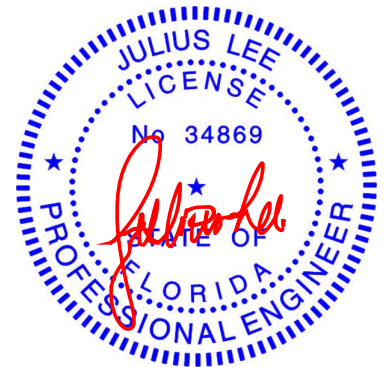
All bearings 0-4-0 except (jt=length) 19=0-3-8, 16=0-3-8.
(lb) - Max Horz 2=113(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 16
Max Grav All reactions 250 lb or less at joint(s) except 2=582(LC 23), 10=804(LC 24), 19=817(LC 23), 16=1193(LC 24)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-691/110, 4-5=0/302, 5-6=0/396, 6-7=0/410, 7-8=-253/113, 8-9=-701/122, 9-10=-1176/121
BOT CHORD 2-21=-26/561, 20-21=-26/561, 18-19=-788/36, 5-18=-262/72, 17-18=-291/112, 16-17=-1163/120, 6-17=-270/77, 13-15=0/570, 12-13=-43/990, 10-12=-43/990
WEBS 3-21=0/254, 3-20=-540/95, 4-20=-45/306, 4-18=-577/85, 15-17=0/283, 7-17=-885/123, 7-15=-6/361, 8-15=-480/38, 8-13=0/399, 9-13=-520/94

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 11-0-0, Zone2 11-0-0 to 16-7-5, Zone1 16-7-5 to 28-8-0, Zone2 28-8-0 to 34-3-5, Zone1 34-3-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 16.



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

May 6, 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)

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078407
6261167	A15	ROOF SPECIAL	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:22 2026 Page 1

ID:1JtKGF4dEckC_La6ECUjVhzG9oz-qUnQt8y3Pjpy3NoAxN3lPYy4hDBXPMucTLONozJa17

1-4-0	4-4-11	9-0-0	14-2-0	19-10-0	25-11-11	28-8-0	29-8-0	35-8-15	39-8-0	41-0-0
1-4-0	4-4-11	4-7-5	5-2-0	5-8-0	6-1-11	2-8-5	1-0-0	6-0-15	3-11-1	1-4-0

Scale = 1:71.3

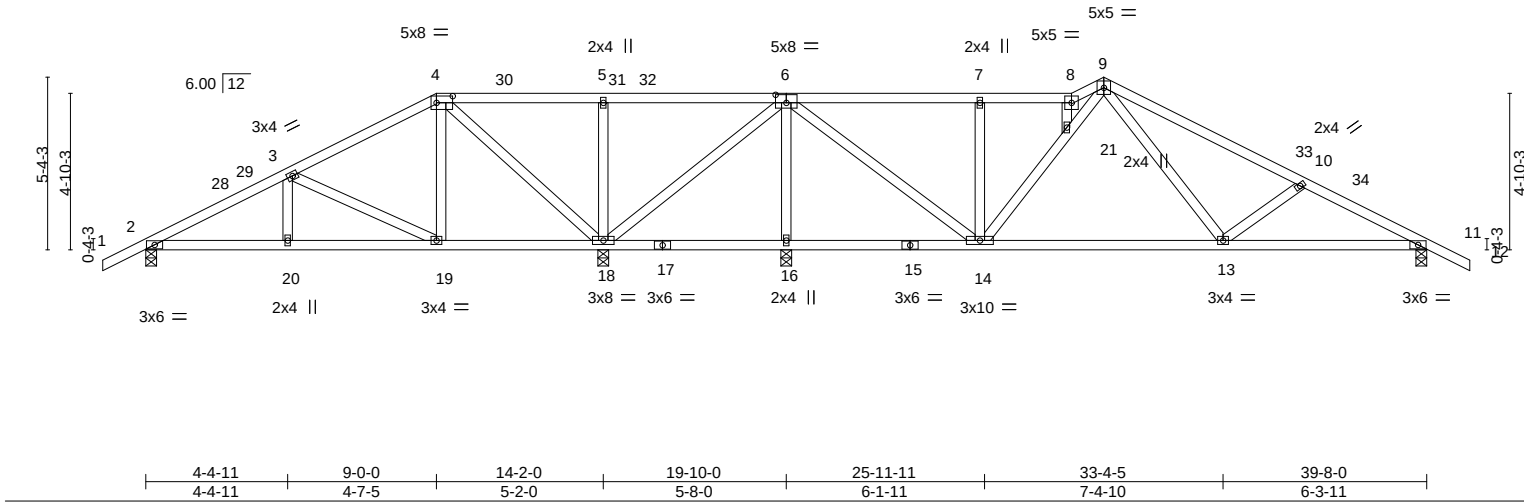


Plate Offsets (X,Y)--		[4:0-6-0,0-2-8], [6:0-4-0,0-3-0]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.46
TCDL 10.0	Lumber DOL	1.25	BC 0.49
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.61
BCDL 10.0	Code	FBC2023/TP12014	Matrix-MS
DEFL.	in (loc)	I/defl	L/d
Vert(LL)	-0.07 13-14	>999	360
Vert(CT)	-0.16 13-14	>999	240
Horz(CT)	0.01 11	n/a	n/a
Wind(LL)	0.02 13-14	>999	240
PLATES	GRIP		
MT20	244/190		
Weight: 216 lb	FT = 20%		

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-2-15 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.2	6-0-0 oc bracing: 16-18,14-16.

REACTIONS. All bearings 0-4-0.
(lb) - Max Horz 2=103(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 16, 11
Max Grav All reactions 250 lb or less at joint(s) except 2=482(LC 23), 18=982(LC 23), 16=1170(LC 1), 11=739(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-584/85, 4-5=0/528, 5-6=0/528, 6-7=-359/109, 7-8=-359/109, 8-9=-342/98, 9-10=-947/140, 10-11=-1174/188
BOT CHORD 2-20=-21/498, 19-20=-21/498, 16-18=-541/121, 14-16=-541/121, 13-14=0/515, 11-13=-131/1040
WEBS 3-19=-443/113, 4-19=0/334, 4-18=-786/97, 5-18=-341/127, 6-16=-1054/134, 6-14=-94/1130, 7-14=-333/89, 14-21=-276/65, 9-21=-279/66, 9-13=-10/457, 10-13=-347/164

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 9-0-0, Zone2 9-0-0 to 14-7-5, Zone1 14-7-5 to 29-8-0, Zone2 29-8-0 to 35-3-5, Zone1 35-3-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18, 16, 11.



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

May 6,2026

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	1970-C	T41078408
6261167	A16	ROOF SPECIAL GIRDER	1	1		

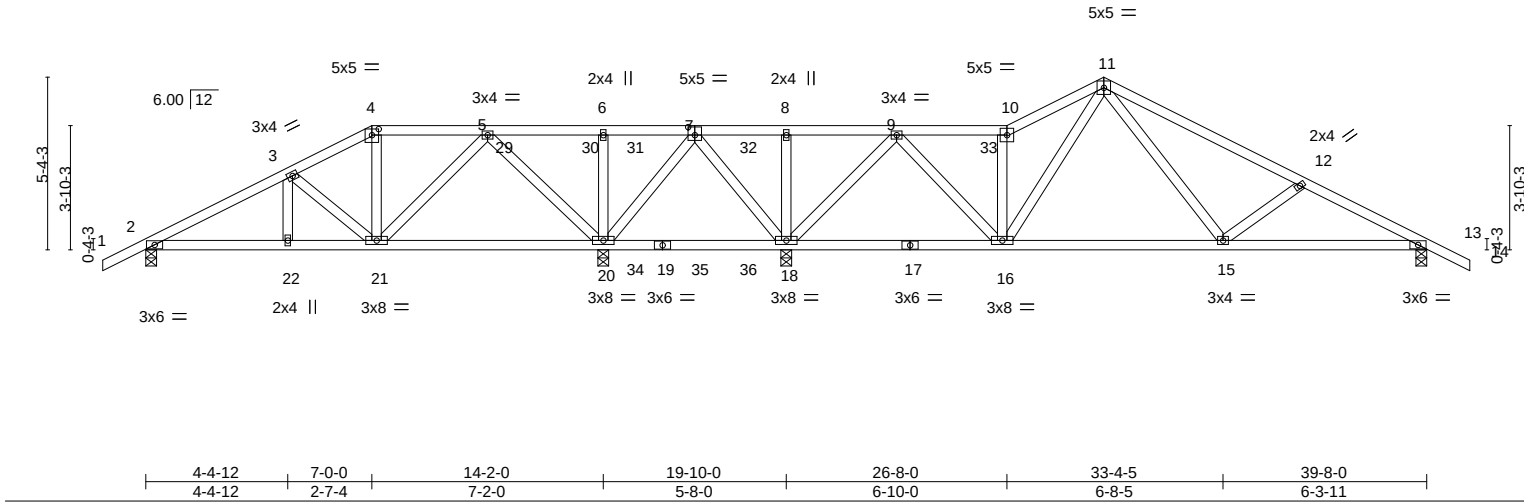
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:23 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-IgLo5Tzh91xmaDy?kfullId57C5X4GvF1r75xvrzJa16

1-4-0	4-4-12	7-0-0	10-7-0	14-2-0	17-0-0	19-10-0	23-3-0	26-8-0	29-8-0	35-8-14	39-8-0	41-0-0
1-4-0	4-4-12	2-7-4	3-7-0	3-7-0	2-10-0	2-10-0	3-5-0	3-5-0	3-0-0	6-0-14	3-11-3	1-4-0

Scale = 1:71.3



LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.50	Vert(LL) 0.06	18-20	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.51	Vert(CT) -0.11	15-16	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.44	Horz(CT) 0.02	13	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS						
							Weight: 215 lb	FT = 20%

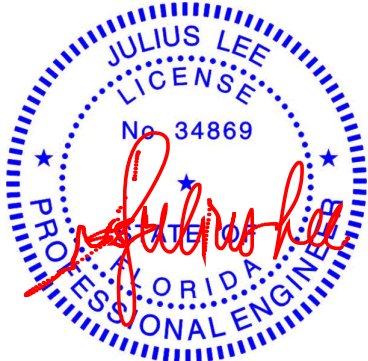
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-1-1 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. All bearings 0-4-0.
(lb) - Max Horz 2=103(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 2, 13 except 20=-156(LC 8), 18=-185(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 2=527(LC 19), 20=1108(LC 19), 18=1620(LC 1), 13=730(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-662/52, 3-4=-404/59, 4-5=-322/61, 5-6=0/460, 6-7=0/460, 7-8=0/754, 8-9=0/754, 9-10=-465/63, 10-11=-563/95, 11-12=-923/68, 12-13=-1155/93
BOT CHORD 2-22=0/574, 21-22=0/574, 18-20=-550/146, 15-16=0/493, 13-15=-30/1024
WEBS 3-21=-296/50, 5-21=0/384, 5-20=-709/65, 6-20=-278/81, 7-18=-480/99, 8-18=-263/74, 9-18=-1041/83, 9-16=0/731, 10-16=-391/76, 11-15=0/440, 12-15=-356/112

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13 except (jt=lb) 20=156, 18=185.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 161 lb down and 84 lb up at 15-0-12, and 161 lb down and 84 lb up at 17-0-12, and 161 lb down and 84 lb up at 18-6-12 on top chord, and 89 lb down and 45 lb up at 15-0-12, and 89 lb down and 45 lb up at 17-0-12, and 89 lb down and 45 lb up at 18-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-10=-60, 10-11=-60, 11-14=-60, 23-26=-20



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

May 6, 2026

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078408
6261167	A16	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:23 2026 Page 2
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 7=-121(F) 31=-121(F) 32=-121(F) 34=-69(F) 35=-69(F) 36=-69(F)

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

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

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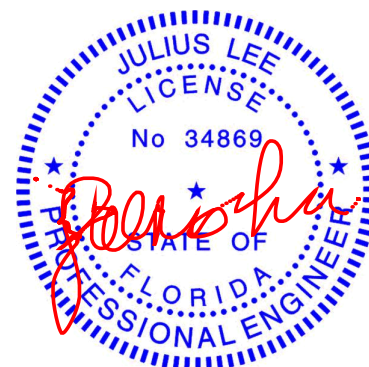
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:24 2026 Page 1
 ID:1JtKGf4dEckC_La6ECUjvhzG9oz-msvAlp_Jwk4dCMXBIMQXrqdDXVuf?HbB4nqVRHJJa15
 1-4-0 5-0-0 12-5-0 19-10-0 24-8-0 29-8-0 35-8-14 39-8-0 41-0-0
 1-4-0 5-0-0 7-5-0 7-5-0 4-10-0 5-0-0 6-0-14 3-11-2 1-4-0

[illegible]

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-9-4 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 9-10-15 oc bracing.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 4-14

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1134/456, 3-4=-974/437, 4-5=-173/969, 5-6=-173/969, 6-7=-564/33, 7-8=-932/87,
8-9=-1162/136
BOT CHORD 2-17=-329/966, 16-17=-348/960, 14-16=-348/960, 13-14=0/374, 12-13=0/375,
11-12=0/502, 9-11=-85/1030
WEBS 4-16=-64/299, 4-14=-1964/661, 5-14=-398/104, 6-14=-1440/153, 6-12=-42/314,
7-11=-13/455, 8-11=-356/167

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 5-0-0, Zone2 5-0-0 to 10-7-5, Zone1 10-7-5 to 29-8-0, Zone2 29-8-0 to 35-3-5, Zone1 35-3-5 to 41-0-0 zone; cantilever 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 2=224. 14=277.



May 6, 2026



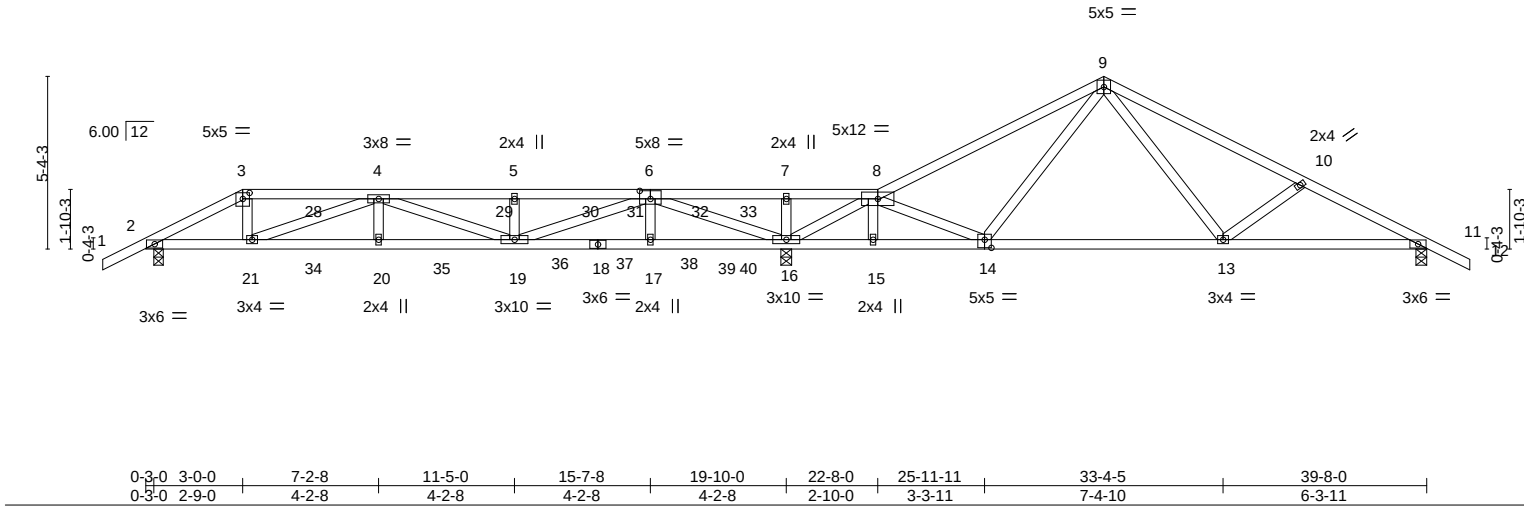
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Job	Truss	Truss Type	Qty	Ply	1970-C	T41078410
6261167	A18	Roof Special Girder	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,			8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:25 2026 Page 1			
			ID:1JtKGf4dEckC_La6ECUjVhzG9oz-E3TYW9?xheCUqW6Nr3xmN2APlvD?ki4KJRa2_jzJa14			
1-4-0	3-0-0	7-2-8	11-5-0	15-7-8	19-10-0	22-8-0
1-4-0	3-0-0	4-2-8	4-2-8	4-2-8	4-2-8	2-10-0
					29-8-0	35-8-15
					7-0-0	6-0-15
						3-11-1
						1-4-0

Scale = 1:71.3



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.10 19-20	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.21 19-20				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.05 11				
BCDL	10.0	Code FBC2023/TP12014		Matrix-MS		Wind(LL)	0.12 19-20				
								Weight: 194 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-5-5 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS.		(size) 2=0-3-8, 16=0-4-0, 11=0-4-0
		Max Horz 2=103(LC 7)
		Max Uplift 2=-239(LC 8), 16=-336(LC 8), 11=-75(LC 27)
		Max Grav 2=799(LC 19), 16=1979(LC 1), 11=719(LC 1)

FORCES.		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1321/363, 3-4=-1185/344, 4-5=-1655/547, 5-6=-1655/547, 6-7=-346/1860, 7-8=-346/1860, 8-9=-594/70, 9-10=-906/73, 10-11=-1125/97	
BOT CHORD	2-21=-274/1150, 20-21=-515/1913, 19-20=-515/1913, 17-19=-214/428, 16-17=-214/428, 15-16=-496/396, 14-15=-495/393, 13-14=0/524, 11-13=-33/995	
WEBS	3-21=-112/372, 4-21=-780/261, 4-19=-300/46, 6-19=-310/1335, 6-16=-2344/621, 8-16=-1642/120, 8-14=-146/823, 9-14=-263/172, 9-13=0/455, 10-13=-354/107	

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCp=0.18; MWFRS (directional); cantilever left and right exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=239, 16=336.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 128 lb down and 77 lb up at 3-0-0, 48 lb down and 34 lb up at 5-1-1, 48 lb down and 34 lb up at 15-0-12, and 48 lb down and 34 lb up at 17-0-12, and 48 lb down and 34 lb up at 18-6-12 on top chord, and 74 lb down and 41 lb up at 3-0-0, 16 lb down and 19 lb up at 5-1-1, 16 lb down and 19 lb up at 7-0-12, 16 lb down and 19 lb up at 9-0-12, 16 lb down and 19 lb up at 11-0-12, 16 lb down and 19 lb up at 13-0-12, 16 lb down and 19 lb up at 15-0-12, and 16 lb down and 19 lb up at 17-0-12, and 16 lb down and 19 lb up at 18-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

May 6,2026

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.

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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:

May 6,2026

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078410
6261167	A18	Roof Special Girder	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:25 2026 Page 2
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-E3TYW9?xheCUqW6Nr3xmN2APlvD?ki4KJRa2_jzJa14

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-3=-60, 3-8=-60, 8-9=-60, 9-12=-60, 22-25=-20
- Concentrated Loads (lb)
Vert: 3=-16(F) 21=-13(F) 20=-12(F) 28=-7(F) 31=-7(F) 32=-7(F) 33=-7(F) 34=-12(F) 35=-12(F) 36=-12(F) 37=-12(F) 38=-12(F) 39=-12(F) 40=-12(F)

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

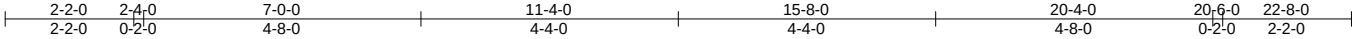
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Job	Truss	Truss Type	Qty	Ply	1970-C	T41078411
6261167	B01	HIP GIRDER	1	2	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:26 2026 Page 1
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Scale = 1:38.8

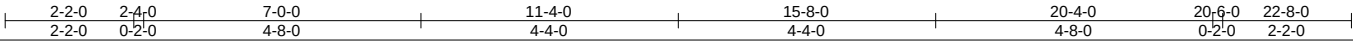
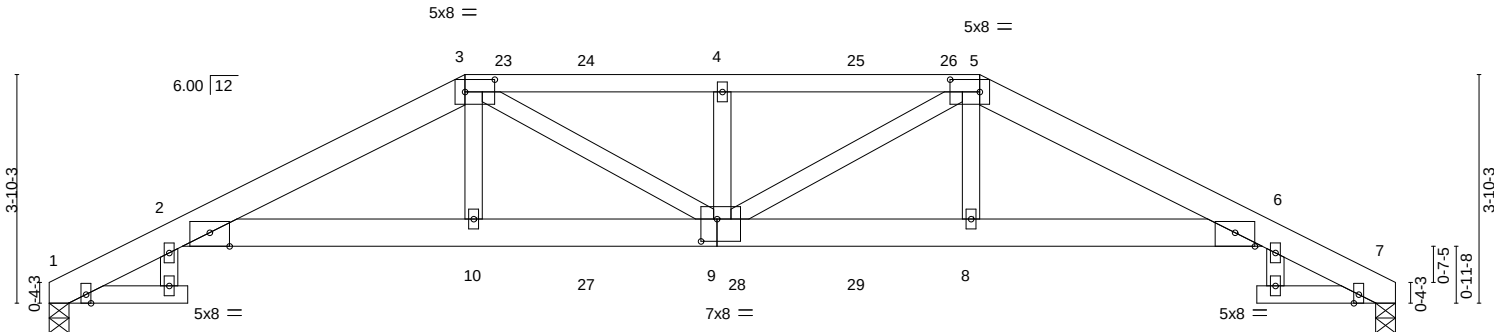


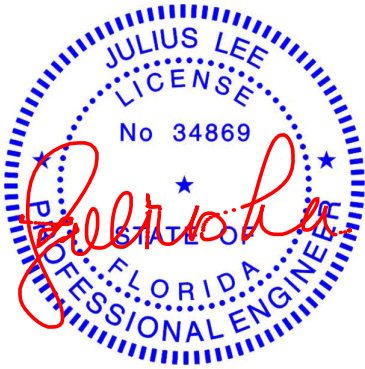
Plate Offsets (X,Y)--		[2:0-4-0,Edge], [3:0-6-0,0-2-8], [5:0-6-0,0-2-8], [6:0-4-0,Edge], [9:0-3-4,0-4-8]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.82	Vert(LL)	-0.23	9	>999	360				MT20	244/190		
TCDL	10.0	Lumber DOL		1.25		BC	0.57	Vert(CT)	-0.46	9	>587	240							
BCLL	0.0 *	Rep Stress Incr		NO		WB	0.16	Horz(CT)	0.36	7	n/a	n/a							
BCDL	10.0	Code FBC2023/TPI2014				Matrix-MS		Wind(LL)	0.11	9	>999	240				Weight: 247 lb	FT = 20%		

LUMBER-	BRACING-
TOP CHORD 2x6 SP DSS *Except* 3-5: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-3-8 oc purlins.
BOT CHORD 2x6 SP DSS *Except* 11-13,7-12: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 1=0-4-0, 7=0-4-0
Max Horz 1=58(LC 7)
Max Grav 1=1979(LC 1), 7=1965(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-878/6, 2-3=-5373/0, 3-4=-5248/0, 4-5=-5267/0, 5-6=-5369/0, 6-7=-871/10
BOT CHORD 2-10=0/4861, 9-10=0/4946, 8-9=0/4940, 6-8=0/4856
WEBS 3-10=0/1457, 3-9=-95/456, 4-9=-555/166, 5-9=-84/481, 5-8=0/1452

- NOTES-
- 2-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, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 281 lb down and 162 lb up at 7-0-0, 109 lb down and 65 lb up at 9-0-12, 109 lb down and 65 lb up at 11-0-12, 109 lb down and 65 lb up at 11-7-4, and 109 lb down and 65 lb up at 13-7-4, and 281 lb down and 162 lb up at 15-8-0 on top chord, and 447 lb down at 7-0-0, 85 lb down at 9-0-12, 85 lb down at 11-0-12, 85 lb down at 11-7-4, and 85 lb down at 13-7-4, and 447 lb down at 15-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



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

May 6,2026

LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078411
6261167	B01	HIP GIRDER	1	2	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Mar 11 2026
MiTek Industries, Inc.
Tue May 5 10:52:26 2026
Page 2
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LOAD CASE(S)
Standard

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

Uniform Loads (plf)

Vert: 1-18=-82, 3-18=-60, 3-5=-60, 5-6=-60, 6-7=-82, 17-20=-20

Concentrated Loads (lb)

Vert: 3=-234(B) 5=-234(B) 10=-447(B) 9=-83(B) 4=-216(B) 8=-447(B) 24=-108(B) 25=-108(B) 27=-83(B) 28=-83(B) 29=-83(B)

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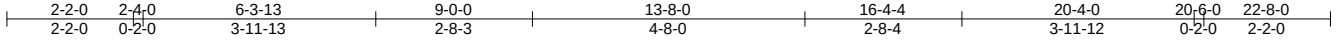
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078412
6261167	B02	Hip	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:26 2026 Page 1
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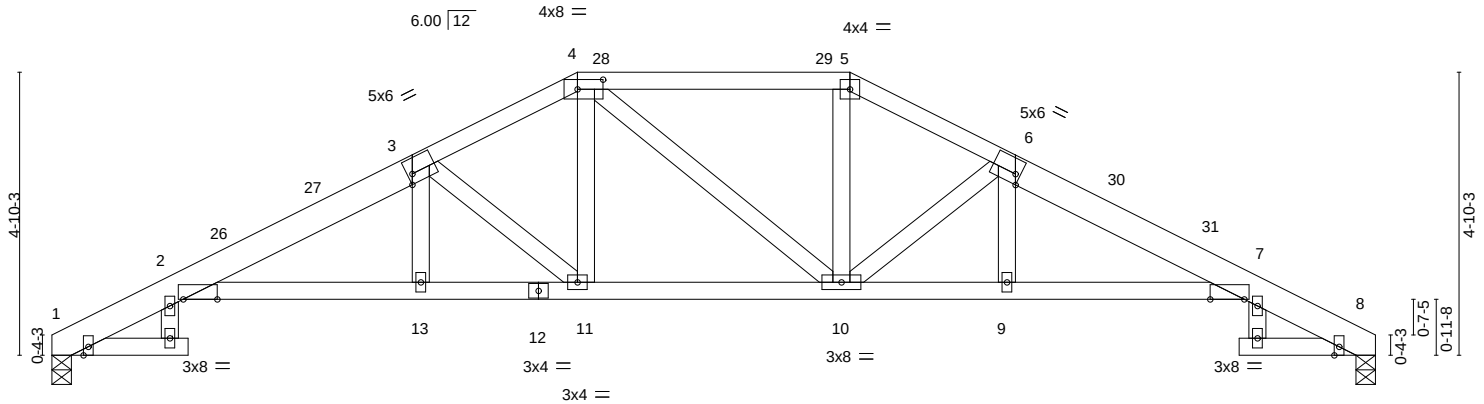


Plate Offsets (X,Y)--	[2:0-7-0,Edge], [3:Edge,0-2-0], [4:0-5-4,0-2-0], [6:Edge,0-2-0], [7:0-7-0,Edge]
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LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25		TC 0.62	Vert(LL) -0.19	13-22	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25		BC 0.52	Vert(CT) -0.39	13-22	>684	240		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.17	Horz(CT) 0.32	8	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL) 0.11	13-22	>999	240	Weight: 118 lb	FT = 20%

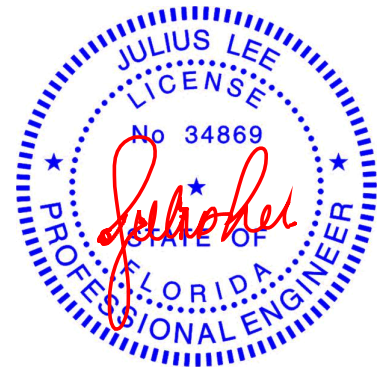
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-3,6-8: 2x6 SP DSS	TOP CHORD Structural wood sheathing directly applied or 4-4-2 oc purlins.
BOT CHORD 2x4 SP No.2 *Except* 2-12,7-12: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 1=0-4-0, 8=0-4-0
Max Horz 1=-74(LC 10)
Max Uplift 1=-29(LC 12), 8=-35(LC 12)
Max Grav 1=910(LC 1), 8=900(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-399/55, 2-3=-2061/190, 3-4=-1542/170, 4-5=-1348/167, 5-6=-1541/170,
6-7=-2055/193, 7-8=-395/55
BOT CHORD 2-13=-120/1925, 11-13=-119/1940, 10-11=-48/1348, 9-10=-119/1933, 7-9=-121/1918
WEBS 3-11=-756/88, 4-11=-4/480, 5-10=-1/478, 6-10=-746/93

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-2-0 to 3-2-0, Zone1 3-2-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 13-8-0, Zone2 13-8-0 to 17-10-15, Zone1 17-10-15 to 22-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 1, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8.



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

May 6,2026

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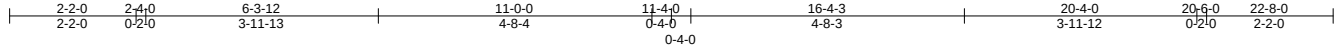
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078413
6261167	B03	Hip	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:27 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-BRbJwr0CDFSB3qGmzUzESTFmNiw3ChTdml392czJa12



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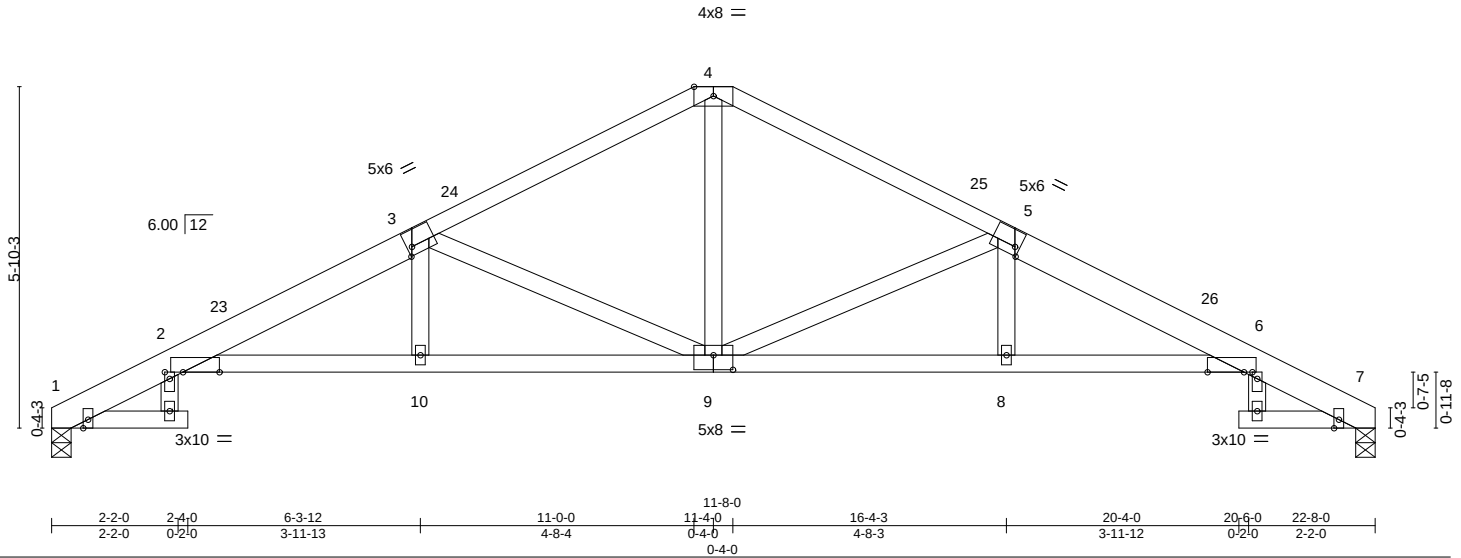


Plate Offsets (X,Y)-- [2:0-7-8,Edge], [3:0-1-0,0-1-12], [5:0-1-0,0-1-12], [6:0-7-8,Edge], [9:0-4-0,0-3-0], [14:0-1-6,0-1-0], [16:0-1-6,0-1-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.62	Vert(LL)	-0.19	8-22	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.51	Vert(CT)	-0.40	10-19	>676	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.49	Horz(CT)	0.33	7	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL)	0.11	8-22	>999	240	Weight: 113 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP DSS *Except*
3-4,4-5: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-9,6-9: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

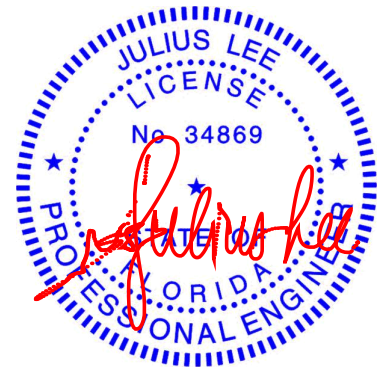
(size) 1=0-4-0, 7=0-4-0
Max Horz 1=-92(LC 10)
Max Uplift 1=-29(LC 12), 7=-35(LC 12)
Max Grav 1=910(LC 1), 7=900(LC 1)

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

TOP CHORD 1-2=-400/51, 2-3=-2083/162, 3-4=-1290/131, 4-5=-1289/132, 5-6=-2076/165,
6-7=-395/52
BOT CHORD 2-10=-101/1954, 9-10=-97/1968, 8-9=-98/1960, 6-8=-101/1946
WEBS 3-10=0/274, 3-9=-953/114, 5-9=-945/118, 5-8=0/272, 4-9=-19/801

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-2-0 to 3-2-0, Zone1 3-2-0 to 11-4-0, Zone2 11-4-0 to 15-6-15, Zone1 15-6-15 to 22-6-0 zone; cantilever 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.



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

May 6, 2026

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	1970-C	T41078414
6261167	B04	COMMON	3	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:28 2026 Page 1
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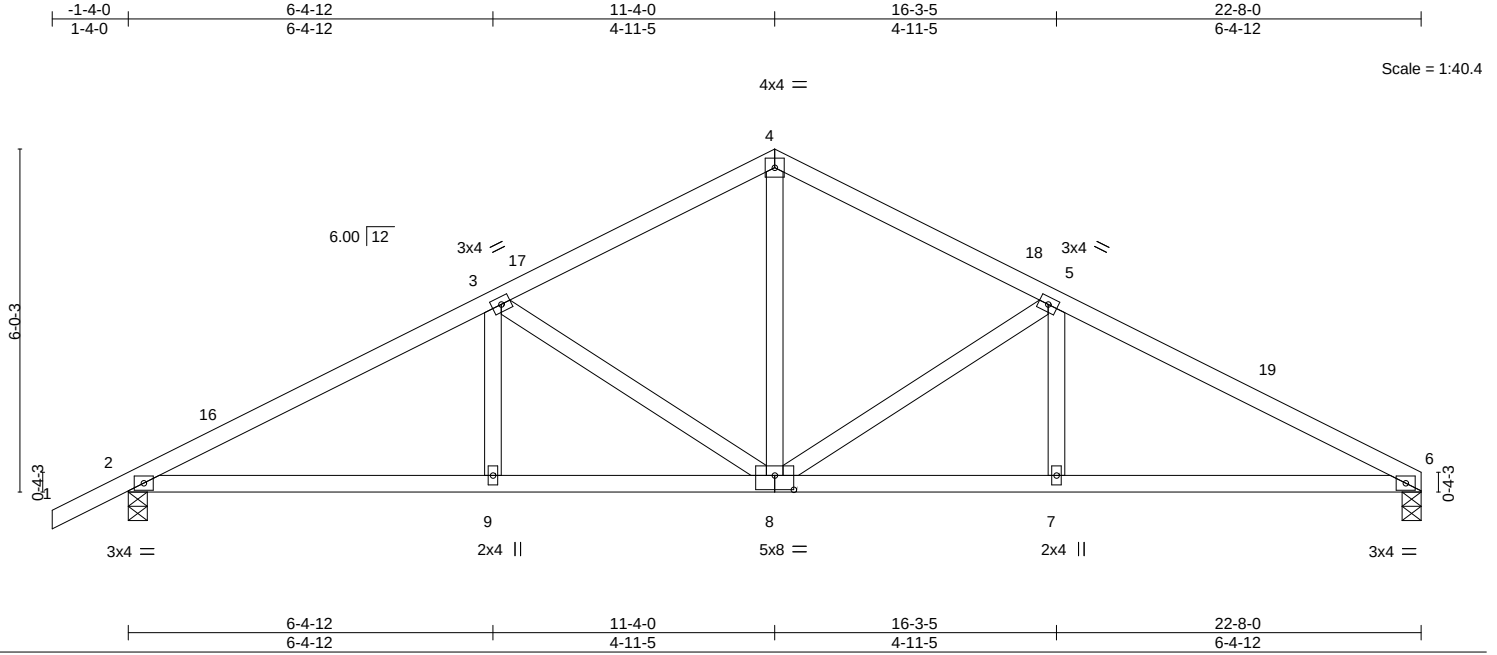


Plate Offsets (X,Y)-- [8:0-4-0,0-3-0]									
LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES
TCLL 20.0	Plate Grip DOL 1.25		TC 0.41	Vert(LL)	-0.06	7-12	>999	360	MT20
TCDL 10.0	Lumber DOL 1.25		BC 0.57	Vert(CT)	-0.15	7-12	>999	240	GRIP
BCLL 0.0 *	Rep Stress Incr YES		WB 0.33	Horz(CT)	0.05	6	n/a	n/a	244/190
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL)	0.04	7-12	>999	240	
									Weight: 107 lb FT = 20%

LUMBER-

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

REACTIONS.

(size) 6=0-4-0, 2=0-4-0
Max Horz 2=102(LC 11)
Max Uplift 6=-38(LC 12), 2=-78(LC 12)
Max Grav 6=904(LC 1), 2=989(LC 1)

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

TOP CHORD 2-3=-1584/173, 3-4=-1094/168, 4-5=-1094/178, 5-6=-1579/189
BOT CHORD 2-9=-101/1355, 8-9=-101/1355, 7-8=-99/1367, 6-7=-99/1367
WEBS 4-8=-55/667, 5-8=-556/110, 5-7=0/250, 3-8=-542/107

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-4-0, Zone2 11-4-0 to 15-6-15, Zone1 15-6-15 to 22-8-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.



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

May 6, 2026

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078415
6261167	C1	CORNER JACK	4	1		

Tibbetts Lumber Co., LLC (Ocala, FL),

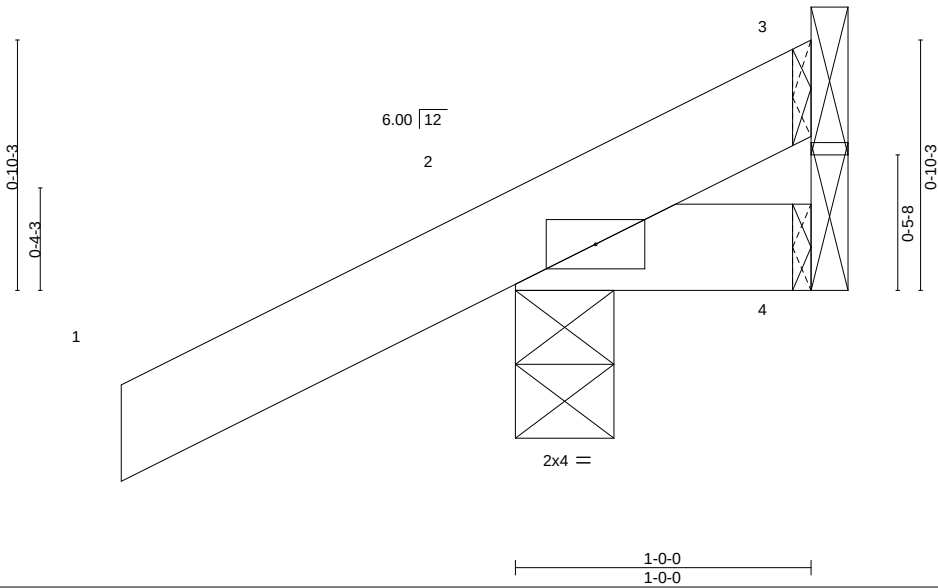
Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:28 2026 Page 1

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Scale = 1:7.8



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.12	Vert(LL)	0.00	7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.02	Vert(CT)	0.00	7	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MP	Wind(LL)	-0.00	7	>999	240	Weight: 6 lb	FT = 20%

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=36(LC 12)
Max Uplift 3=-1(LC 1), 2=-68(LC 12), 4=-14(LC 1)
Max Grav 3=8(LC 12), 2=174(LC 1), 4=19(LC 12)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.



Julius Lee PE No. 34869

MiTek Inc. DBA MiTek USA FL Cert 6634

16023 Swingley Ridge Rd. Chesterfield, MO 63017

Date:

May 6,2026

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)

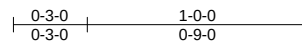
MiTek®

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Chesterfield, MO 63017

314.434.1200 / MiTek-US.com

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:28 2026 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-fe9h8B1q_Za2h_ryXCUT?go3z6NtxFOm?Poia2zJa11



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

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

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl. GCPI=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4, 2.



May 6, 2026



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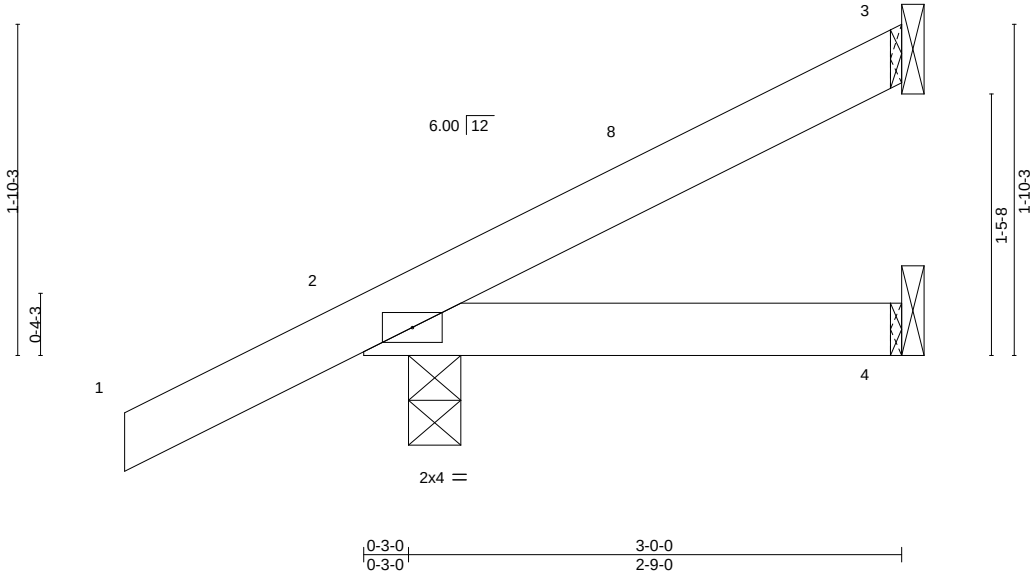
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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	1970-C	T41078417
6261167	C3C	CORNER JACK	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Mar 11 2026 MiTek Industries, Inc.
Tue May 5 10:52:29 2026
Page 1
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Scale = 1:12.8



LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.12		Vert(LL)	-0.00	4-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.07		Vert(CT)	-0.01	4-7	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00		Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MP		Wind(LL)	0.00	7	>999	240	Weight: 12 lb	FT = 20%

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=59(LC 12)
Max Uplift 3=-17(LC 12), 2=-44(LC 12)
Max Grav 3=67(LC 1), 2=216(LC 1), 4=51(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 2-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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

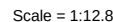
May 6,2026

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314.434.1200 / MiTek-US.com

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ID:1JtKGF4dEckC_La6ECUjVhzG9oz-7qi3LX2Stlvi8Q84v?iXuLEiWhQgiewD3YG7UzJa10



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

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl.; GCpI=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 2-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



May 6, 2026



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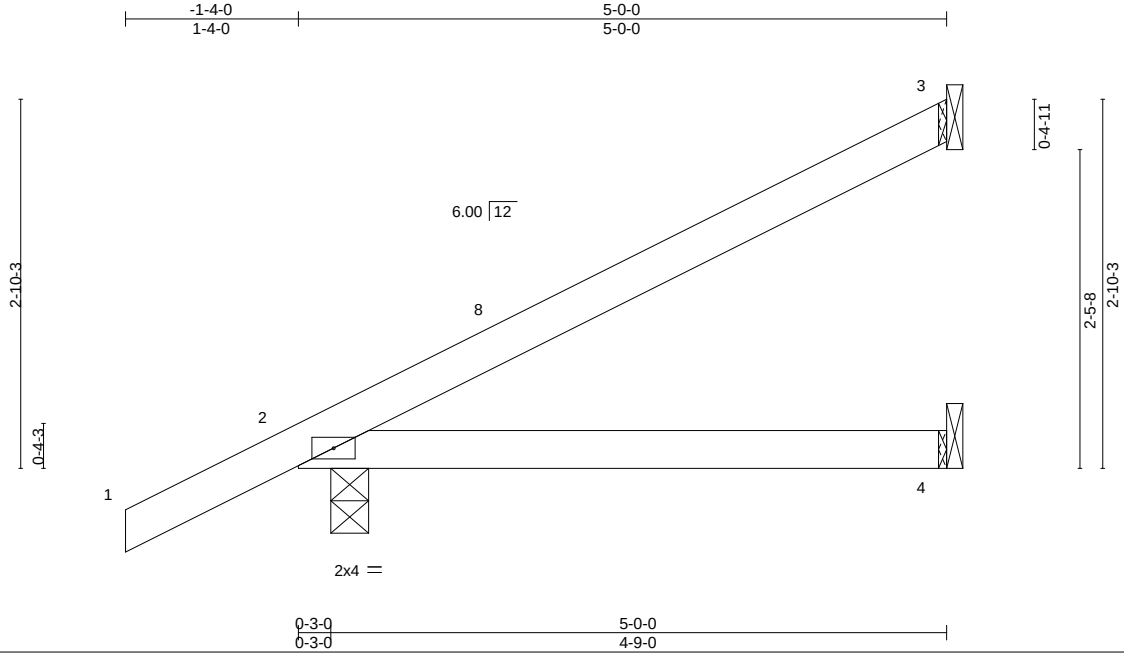
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078419
6261167	C5C	CORNER JACK	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),

Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:30 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-b0GRZt34WAqmwH?LedWx45tMRw?rP9t3SjHpfzJa1?



Scale = 1:17.8

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.31	Vert(LL)	-0.02	4-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.25	Vert(CT)	-0.06	4-7	>999	240		
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	Wind(LL)	0.03	4-7	>999	240	Weight: 18 lb	FT = 20%

LUMBER-

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

BRACING-

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

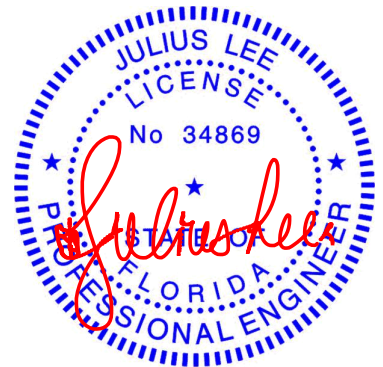
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=83(LC 12)
Max Uplift 3=-37(LC 12), 2=-37(LC 12)
Max Grav 3=125(LC 1), 2=288(LC 1), 4=90(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 4-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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

May 6, 2026

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Job	Truss	Truss Type	Qty	Ply	1970-C	T41078420
6261167	C5T	CORNER JACK	4	1		

Tibbetts Lumber Co., LLC (Ocala, FL),	Ocala, FL - 34472,	8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:30 2026 Page 1
		ID:1JtKGf4dEckC_La6ECUjVhzG9oz-b0GRZt34WAqmWtH?LedWx45tKbw_xP9t3SjHpfzJa1?

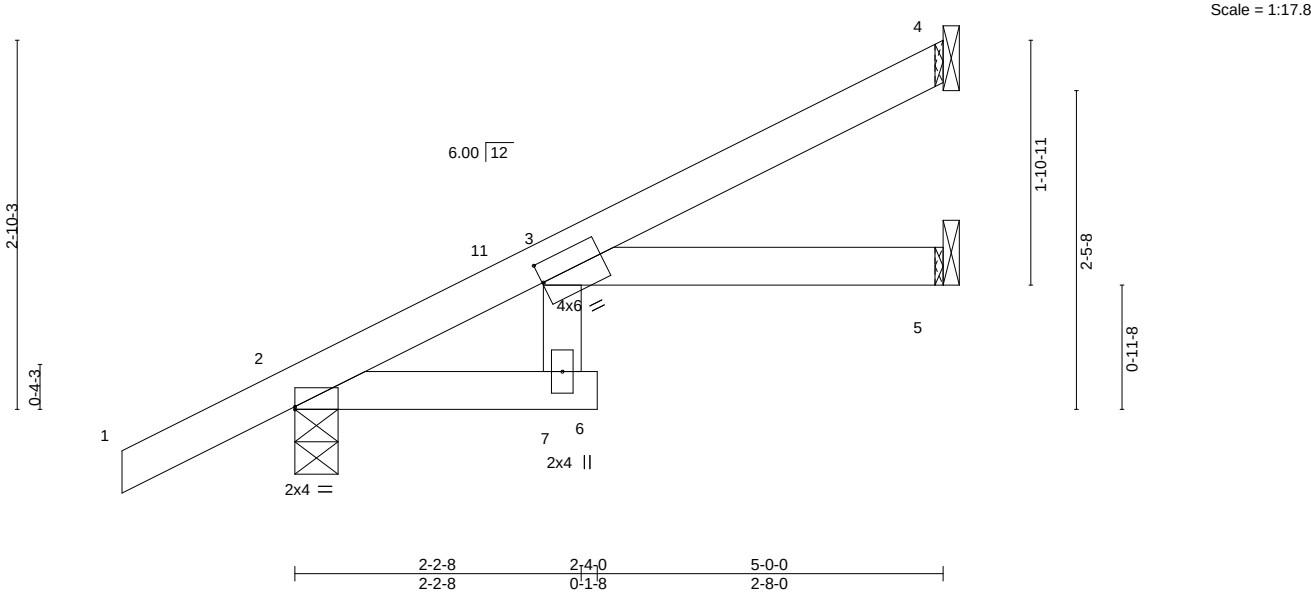


Plate Offsets (X,Y)--		[2:0-0-0,0-0-4], [3:0-0-2,0-1-13]										
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) I/defl L/d			PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.04	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.08	6	>699	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MR		Wind(LL)	0.05	6	>999	240	Weight: 20 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=83(LC 12)
Max Uplift 4=-26(LC 12), 2=-36(LC 12)
Max Grav 4=113(LC 1), 2=291(LC 1), 5=87(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 4-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



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

May 6,2026

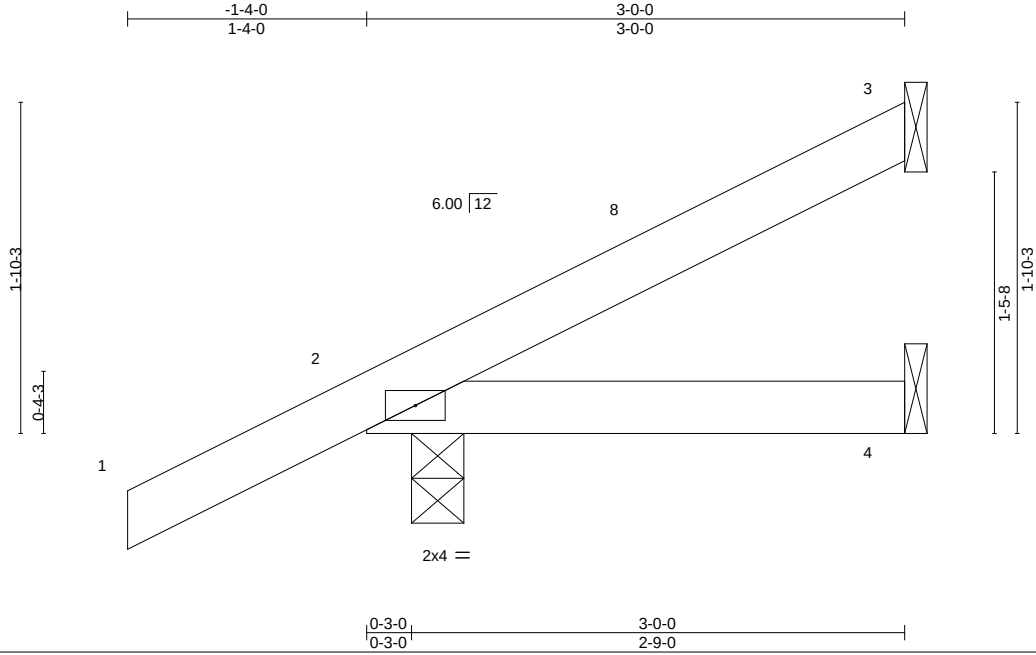
Job	Truss	Truss Type	Qty	Ply	1970-C	T41078421
6261167	E3C	Jack-Open	9	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),

Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:31 2026 Page 1

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Scale = 1:12.8

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.12	Vert(LL)	-0.00	4-7	>999	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.07	Vert(CT)	-0.01	4-7	>999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MP	Wind(LL)	0.00	4-7	>999	Weight: 12 lb	FT = 20%

LUMBER-

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

BRACING-

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

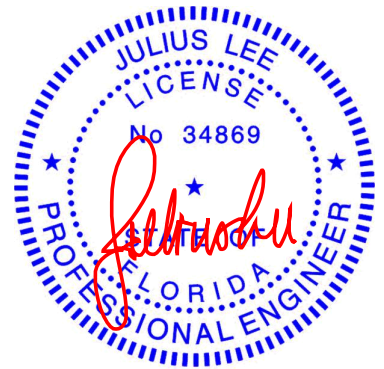
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=59(LC 12)
Max Uplift 3=-22(LC 12), 2=-70(LC 12), 4=-9(LC 9)
Max Grav 3=67(LC 1), 2=216(LC 1), 4=51(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 2-11-4 zone; cantilever 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
- 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.
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- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.



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

May 6, 2026

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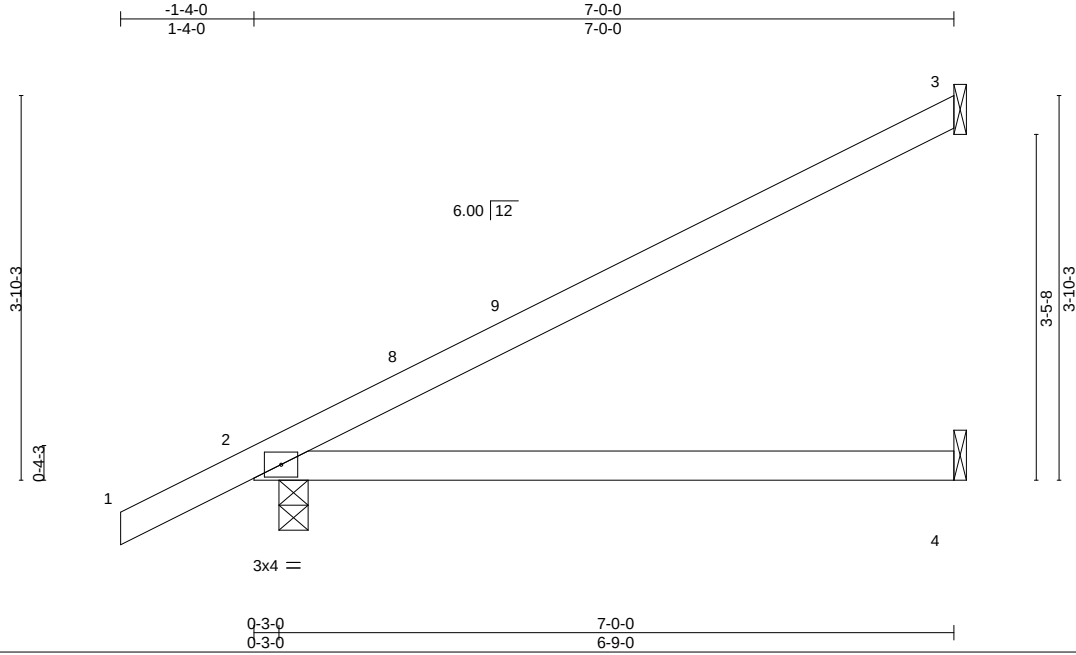
Job	Truss	Truss Type	Qty	Ply	1970-C	T41078422
6261167	E7C	JACK-OPEN	5	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),

Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:31 2026 Page 1

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Scale = 1:23.0

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.69	Vert(LL)	-0.09	4-7	>886	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.54	Vert(CT)	-0.23	4-7	>361	240		
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-MS	Wind(LL)	0.17	4-7	>479	240	Weight: 24 lb	FT = 20%

LUMBER-

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

BRACING-

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

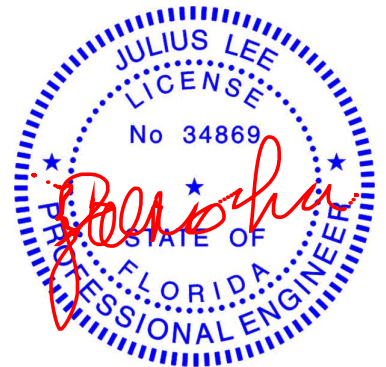
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=107(LC 12)
Max Uplift 3=-63(LC 12), 2=-93(LC 12), 4=-25(LC 12)
Max Grav 3=181(LC 1), 2=365(LC 1), 4=129(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 6-11-4 zone; cantilever left exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.



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

May 6, 2026

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

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078423
6261167	E7T	JACK-OPEN	6	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:31 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-3DqmqC3iHUYdYRZXCK2AdJQQCKEk8c7DhN1MBNzJa1_

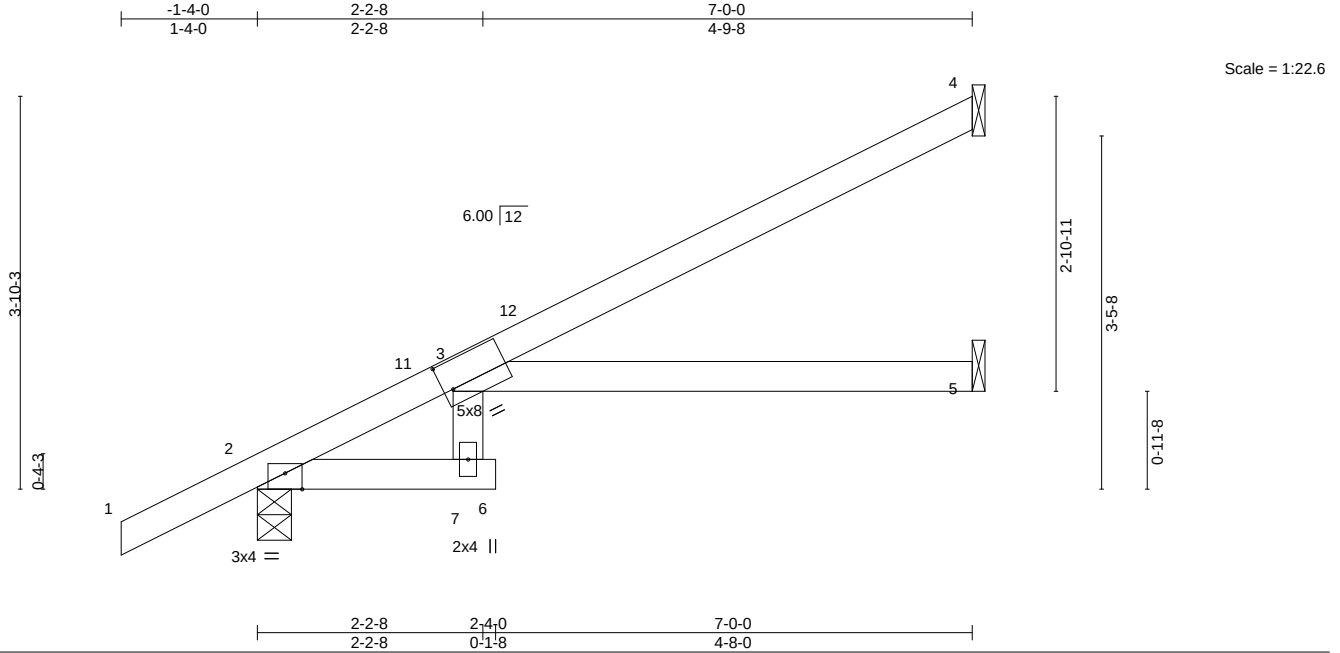


Plate Offsets (X,Y)--		[2:0-2-0,Edge], [3:0-1-2,0-3-3]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.76		Vert(LL)	-0.14 3-5	>604	360	MT20	244/190
TCDL 10.0		Lumber DOL	1.25	BC 0.65		Vert(CT)	-0.29 3-5	>286	240		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	0.14 5	n/a	n/a		
BCDL 10.0		Code FBC2023/TPI2014		Matrix-MR		Wind(LL)	0.14 3-5	>587	240	Weight: 26 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=107(LC 12)
Max Uplift 4=44(LC 12), 2=-31(LC 12)
Max Grav 4=168(LC 1), 2=368(LC 1), 5=125(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 6-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



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

May 6, 2026

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078424
6261167	G01	COMMON	2	1		

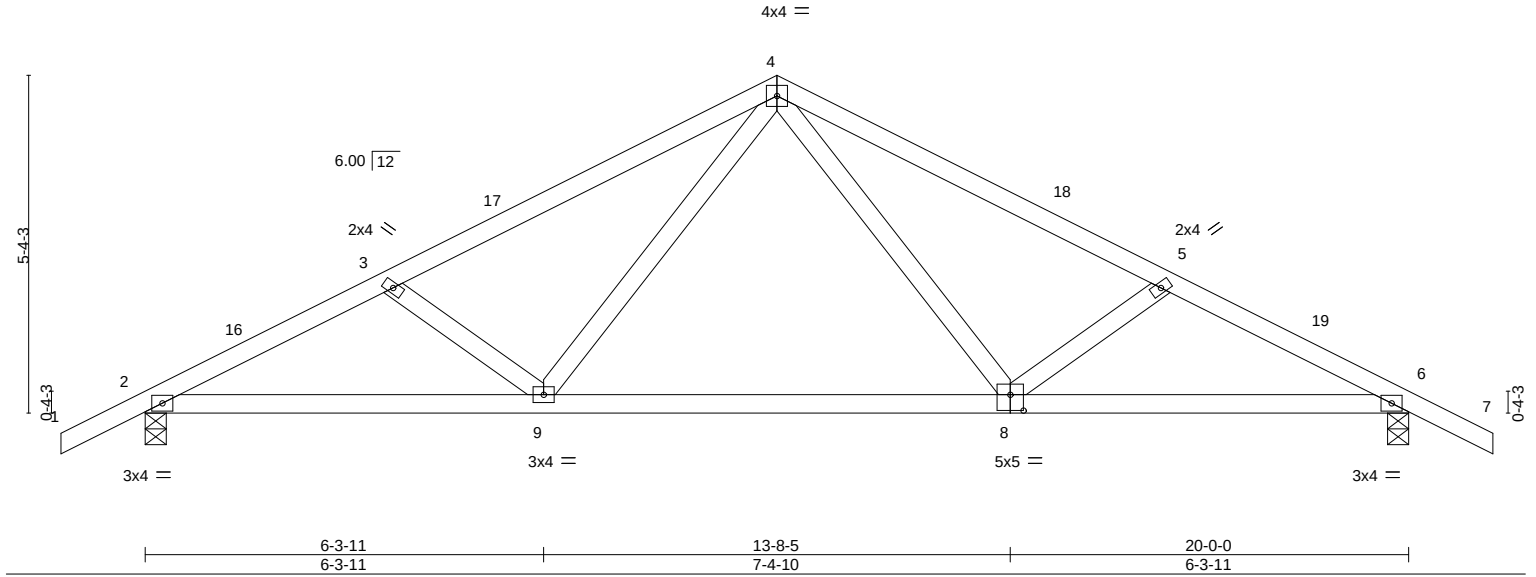
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:32 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-XPOC_Y4K2o4U9b8jm2ZP9WzfNjc6t2oMw1mwipzJa0z

Job Reference (optional)

-1-4-0 3-11-1 10-0-0 16-0-15 20-0-0 21-4-0
1-4-0 3-11-1 6-0-15 6-0-15 3-11-1 1-4-0

Scale = 1:36.5



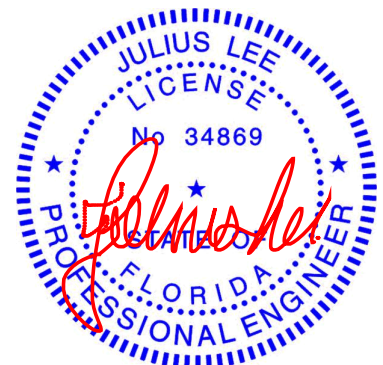
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.07	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.17				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03				
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.03				
								Weight: 95 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-6-8 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS.		(size) 2=0-4-0, 6=0-4-0
		Max Horz 2=-93(LC 10)
		Max Uplift 2=-72(LC 12), 6=-72(LC 12)
		Max Grav 2=880(LC 1), 6=880(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1480/207, 3-4=-1255/162, 4-5=-1255/162, 5-6=-1480/207
BOT CHORD	2-9=-127/1312, 8-9=-13/794, 6-8=-143/1312
WEBS	4-8=-9/449, 5-8=-353/157, 4-9=-9/449, 3-9=-353/157

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 10-0-0, Zone2 10-0-0 to 14-2-15, Zone1 14-2-15 to 21-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.



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

May 6, 2026

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078425
6261167	G01X	Hip Supported Gable	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:33 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-?byaBu5yp5CLnJwJl4eikVwp74ucW0V8hWTFfzJa0y

-1-4-0
1-4-0

8-0-1
8-0-1

11-11-15
3-11-14

20-0-0
8-0-1

21-4-0
1-4-0

Scale = 1:36.9

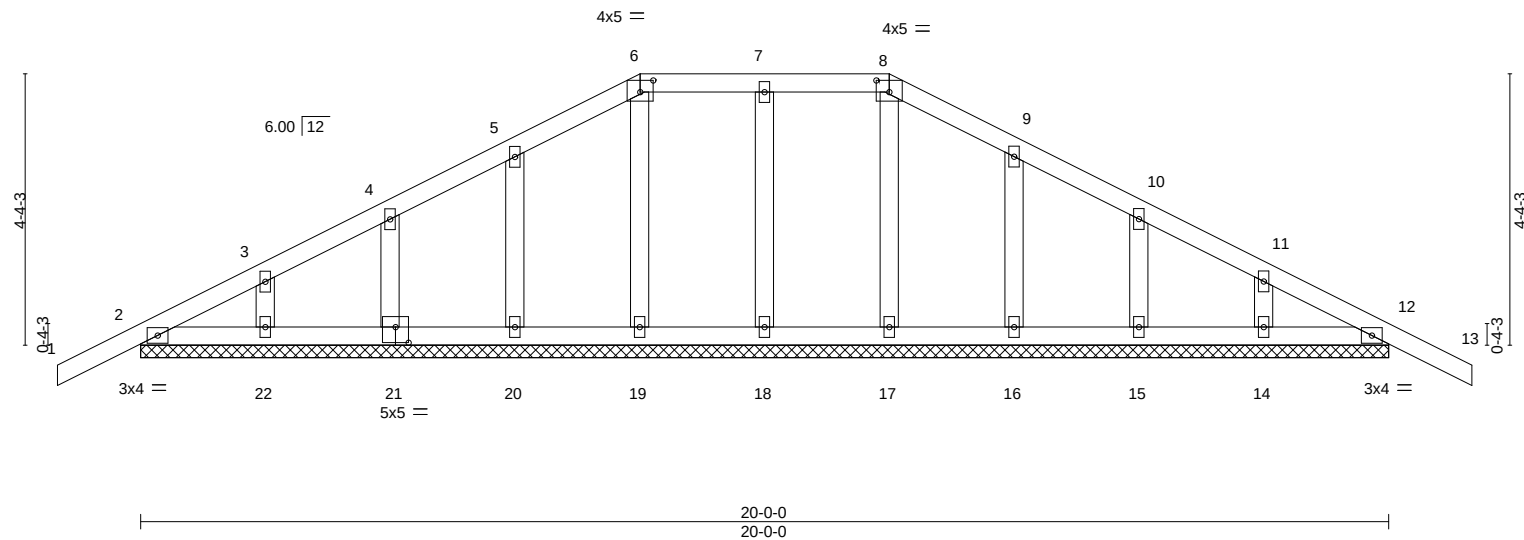


Plate Offsets (X,Y)-- [6:0-2-8,0-2-4], [8:0-2-8,0-2-4], [21:0-2-8,0-3-0]									
LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.11	Vert(LL)	-0.01	13	n/r	120	MT20 244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	-0.01	13	n/r	120	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	12	n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S						Weight: 100 lb FT = 20%

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

REACTIONS. All bearings 20-0-0.
(lb) - Max Horz 2=77(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 20, 21, 16, 15, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 17, 18, 19, 20, 21, 22, 16, 15, 14, 12

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever 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.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18, 20, 21, 16, 15, 12.



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

May 6,2026

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078426
6261167	G02	COMMON	2	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:33 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-?byaBu5yp5CLnjwJl4eikVq67yGcV1V8hWTFfZJa0y

Job Reference (optional)



Scale = 1:36.1

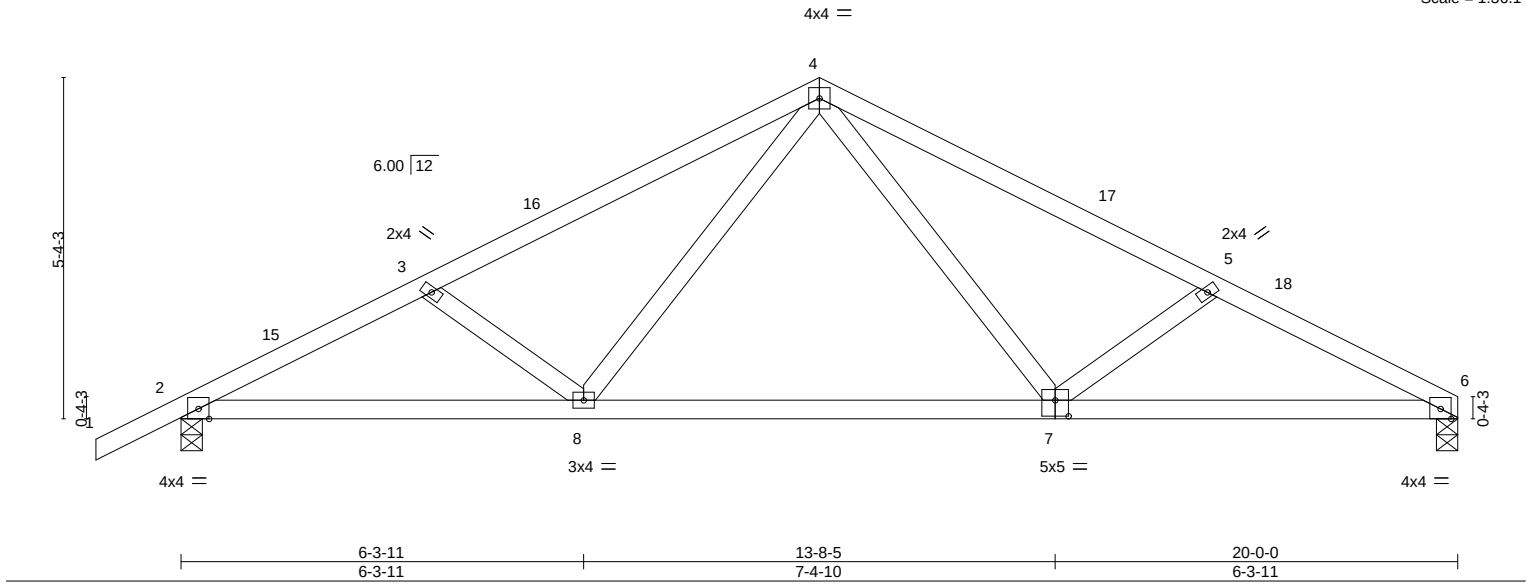


Plate Offsets (X,Y)-- [7:0-2-8,0-3-0]

LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.48		Vert(LL)	-0.07	7-8	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.52		Vert(CT)	-0.17	7-8	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10		Horz(CT)	0.03	6	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.03	7-8	>999	240		
										Weight: 92 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 or 4-6-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

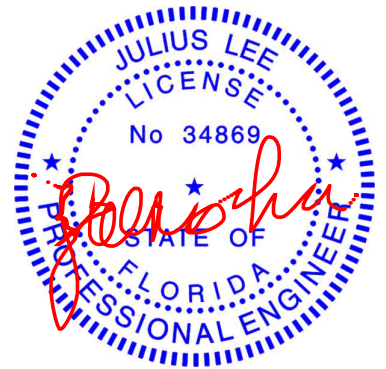
(size) 6=0-4-0, 2=0-4-0
Max Horz 2=91(LC 11)
Max Uplift 6=-33(LC 12), 2=-74(LC 12)
Max Grav 6=797(LC 1), 2=883(LC 1)

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

TOP CHORD 2-3=-1486/218, 3-4=-1260/173, 4-5=-1271/189, 5-6=-1501/233
BOT CHORD 2-8=-165/1317, 7-8=-36/800, 6-7=-167/1335
WEBS 4-7=-15/454, 5-7=-364/160, 4-8=-8/449, 3-8=-353/157

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 10-0-0, Zone2 10-0-0 to 14-2-15, Zone1 14-2-15 to 20-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.



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

May 6, 2026

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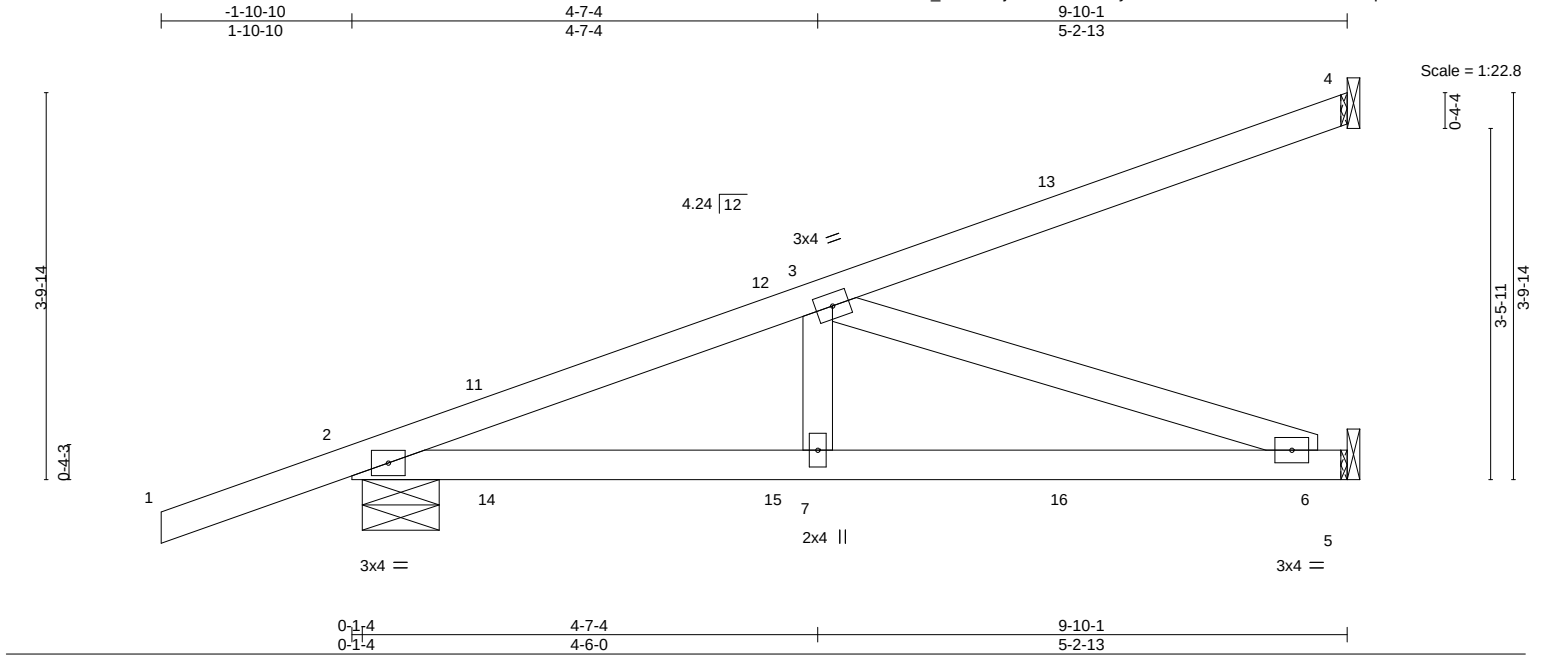
MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078427
6261167	H7C	DIAGONAL HIP GIRDER	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:34 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-UoWyPE6baPKCPvI6tSbtEx2zUXGYLtpfNLF0nizJa0x



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.63	Vert(LL) -0.05	6-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.65	Vert(CT) -0.12	6-7	>955	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.39	Horz(CT) 0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS	Wind(LL) 0.02	6-7	>999	240	Weight: 43 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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 4=Mechanical, 2=0-9-2, 5=Mechanical
Max Horz 2=107(LC 8)
Max Uplift 4=104(LC 8), 2=17(LC 8), 5=5(LC 8)
Max Grav 4=304(LC 1), 2=467(LC 31), 5=416(LC 3)

FORCES.

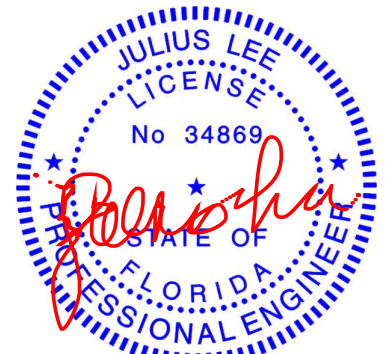
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-798/0
BOT CHORD 2-7=-13/749, 6-7=-13/749
WEBS 3-7=0/297, 3-6=-791/13

NOTES-

- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5 except (jt=lb) 4=104.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 45 lb down and 59 lb up at 1-4-15, 45 lb down and 59 lb up at 1-4-15, 59 lb down and 34 lb up at 4-2-15, 59 lb down and 34 lb up at 4-2-15, 89 lb down and 62 lb up at 7-0-14, and 89 lb down and 62 lb up at 7-0-14, and 141 lb down and 79 lb up at 9-9-5 on top chord, and 20 lb down and 14 lb up at 1-4-15, 20 lb down and 14 lb up at 1-4-15, 14 lb down at 4-2-15, 14 lb down at 4-2-15, 35 lb down at 7-0-14, and 35 lb down at 7-0-14, and 102 lb down and 39 lb up at 9-9-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 4=-141(F) 6=-75(F) 11=117(F=58, B=58) 13=-81(F=-40, B=-40) 15=-10(F=-5, B=-5) 16=-66(F=-33, B=-33)



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

May 6, 2026

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

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

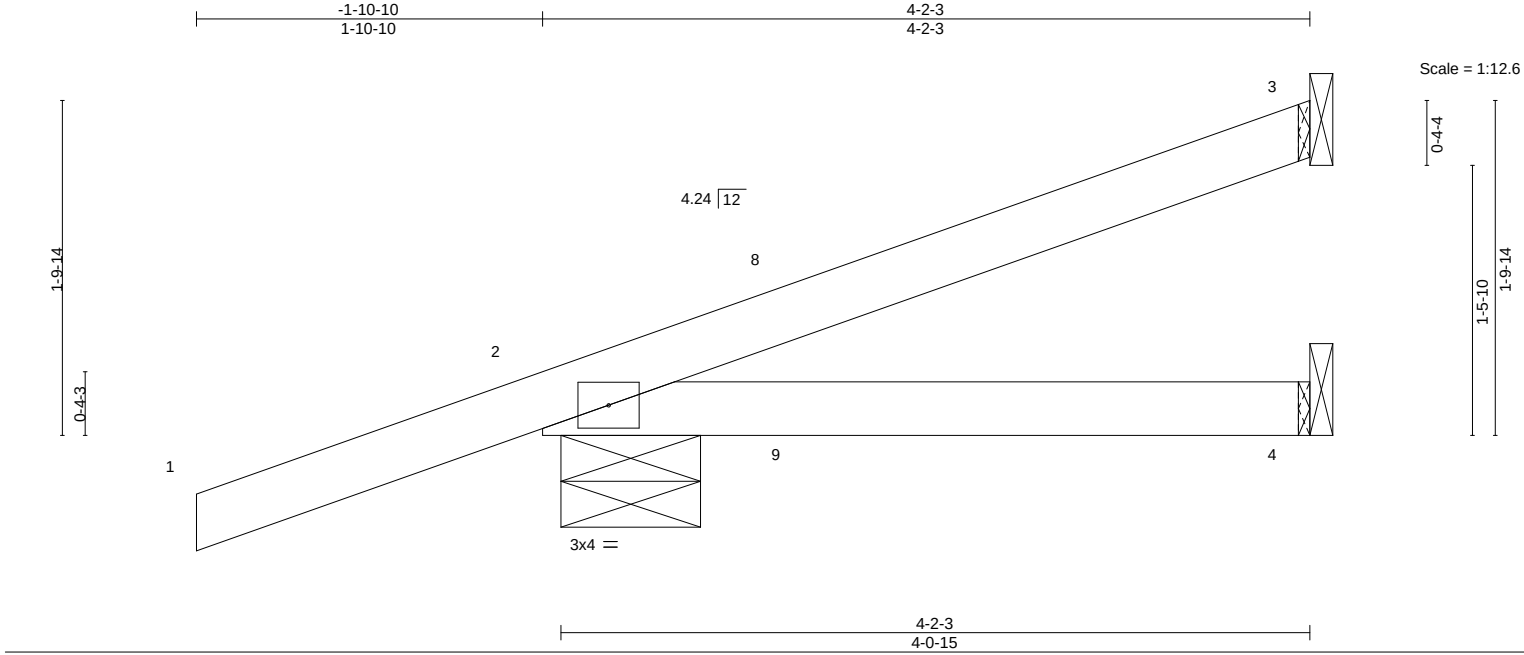
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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078428
6261167	H7E	Diagonal Hip Girder	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:34 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-UoWyPE6baPKCPvltSbtEx22EXO3LztfNLF0nizJa0x



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.26	Vert(LL)	0.01	4-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.17	Vert(CT)	-0.02	4-7	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MP	Wind(LL)	-0.02	4-7	>999	240	Weight: 16 lb	FT = 20%

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

REACTIONS. (size) 3=Mechanical, 2=0-9-2, 4=Mechanical
Max Horz 2=59(LC 27)
Max Uplift 3=-15(LC 8), 2=-65(LC 8), 4=-6(LC 5)
Max Grav 3=77(LC 13), 2=232(LC 31), 4=72(LC 3)

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

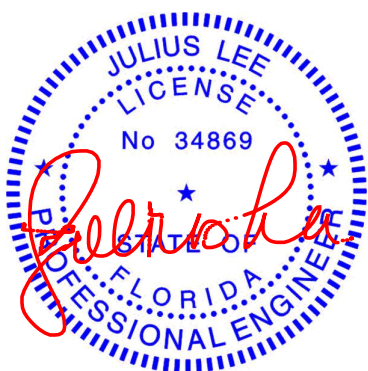
- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 45 lb down and 59 lb up at 1-4-15, and 45 lb down and 59 lb up at 1-4-15 on top chord, and 44 lb down and 14 lb up at 1-4-15, and 44 lb down and 14 lb up at 1-4-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)
Vert: 1-3=-60, 4-5=-20

Concentrated Loads (lb)
Vert: 8=117(F=58, B=58)



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Date:

May 6,2026

Job	Truss	Truss Type	Qty	Ply	1970-C	T41078429
6261167	H7T	DIAGONAL HIP GIRDER	2	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2026 MiTek Industries, Inc. Tue May 5 10:52:35 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-y_4Kca6DLjS303tIRA66n9b4pxZH4NRoc??aJ8zJa0w
-1-10-10 3-2-13 6-4-11 9-10-1
1-10-10 3-2-13 3-1-14 3-5-6

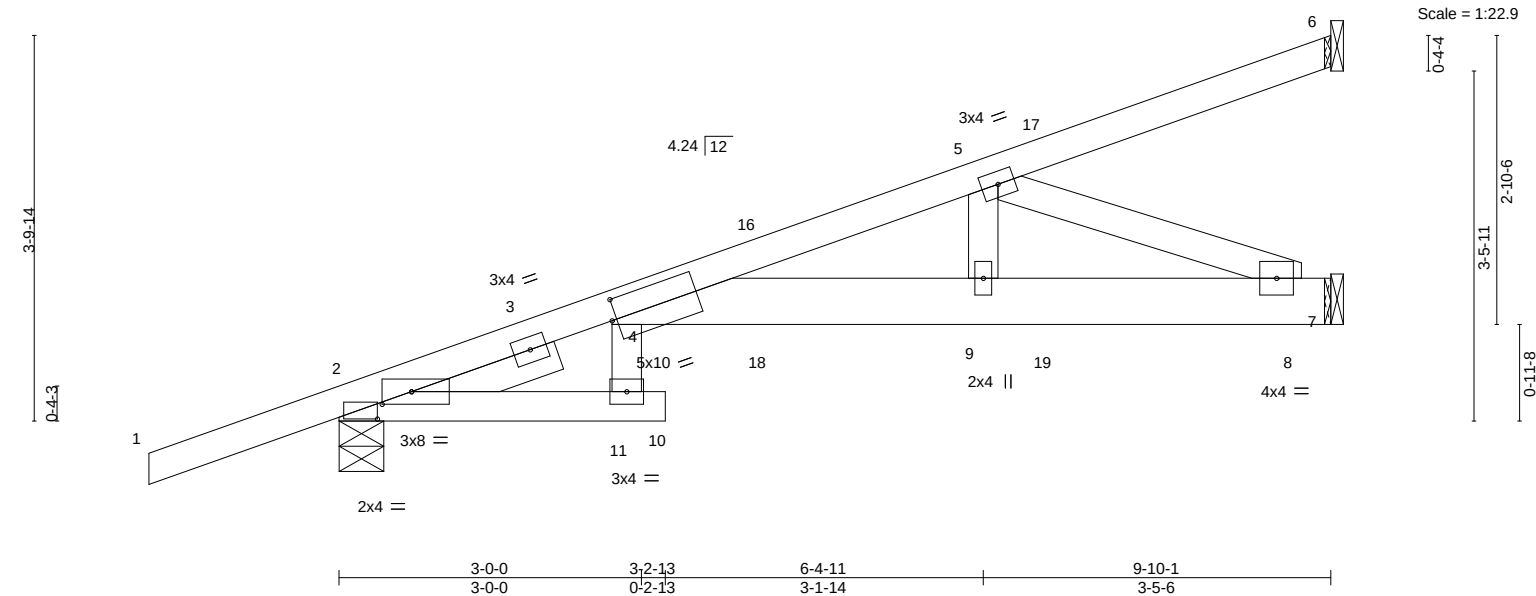


Plate Offsets (X,Y)--		[2:0-3-8,0-1-8], [2:0-4-1,0-3-4], [4:0-0-9,0-2-8]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.85
TCDL 10.0	Lumber DOL	1.25	BC 0.81
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.24
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.13 4 >895 360
			Vert(CT) -0.30 4 >387 240
			Horz(CT) 0.13 7 n/a n/a
			Wind(LL) -0.08 4 >999 240
			PLATES GRIP
			MT20 244/190
			Weight: 49 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP M 31 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
4-7: 2x6 SP No.2	
WEBS 2x4 SP No.2	
SLIDER Left 2x4 SP No.2 1-6-0	

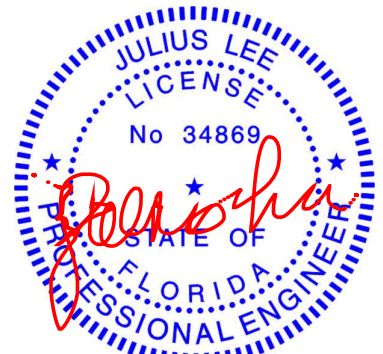
REACTIONS. (size) 6=Mechanical, 2=0-5-5, 7=Mechanical
Max Horz 2=108(LC 27)
Max Uplift 6=60(LC 8), 2=-12(LC 8)
Max Grav 6=210(LC 1), 2=487(LC 1), 7=393(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-13=-468/0, 4-5=-1063/0
BOT CHORD 4-11=0/388, 4-9=0/994, 8-9=0/1002
WEBS 5-9=0/417, 5-8=-1079/0

- NOTES-**
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to bearing plate connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 46 lb down and 59 lb up at 1-4-15, 46 lb down and 59 lb up at 1-4-15, 57 lb down and 24 lb up at 4-2-15, 57 lb down and 24 lb up at 4-2-15, 86 lb down and 53 lb up at 7-0-14, and 86 lb down and 53 lb up at 7-0-14, and 128 lb down and 60 lb up at 9-9-5 on top chord, and 20 lb down and 14 lb up at 1-4-15, 20 lb down and 14 lb up at 1-4-15, 19 lb down at 4-2-15, 19 lb down at 4-2-15, and 48 lb down at 7-0-14, and 48 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 11-12=-20, 10-11=-20, 4-7=-20
Concentrated Loads (lb)
Vert: 6=-128(B) 13=117(F=58, B=58) 17=-55(F=-28, B=-28) 18=-38(F=-19, B=-19) 19=-96(F=-48, B=-48)



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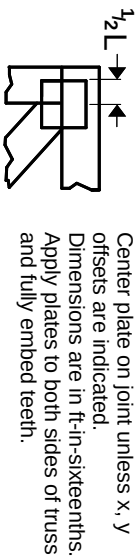
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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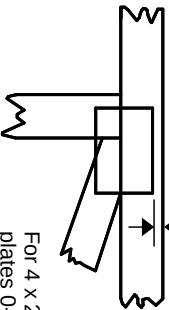
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Symbols

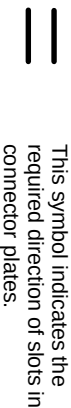
PLATE LOCATION AND ORIENTATION



0- $\frac{1}{16}$ "



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



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

PLATE SIZE

4 X 4

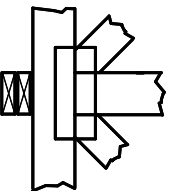
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

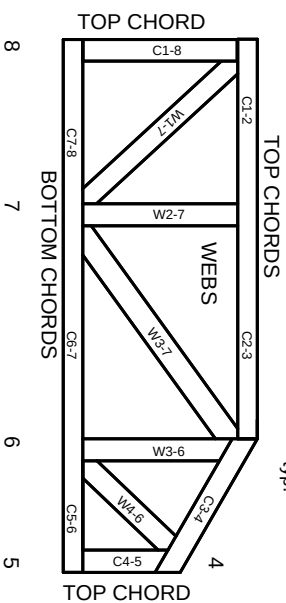
Industry Standards:

ANSI/TP1.1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)

1 2 3 Joint ID typ.



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

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

Product Code Approvals

ICC-ES Reports:

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

Design General Notes

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

Lumber design values are in accordance with ANSI/TP1 1 section 6.3. These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: MIL-7473 rev. 1/12/2023

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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