



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

RE: 6252401 - 2240-B 2Car

MiTek, Inc.

16023 Swingley Ridge Rd.

Chesterfield, MO 63017

314.434.1200

Site Information:

Customer Info: Adams Homes-Gainesville 2240-B 2Car Frame Project Name: The Preserve at Laurel Lake 035 Model: 2
Lot/Block: 035 Subdivision: The Preserve at Laurel Lake
Address: 525 SW Bellflower 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 49 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.

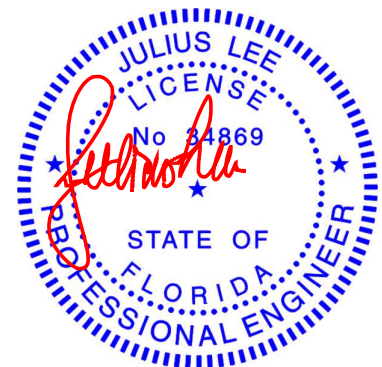
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T38769165	A01	10/7/25	23	T38769187	B01	10/7/25
2	T38769166	A02	10/7/25	24	T38769188	B02	10/7/25
3	T38769167	A03	10/7/25	25	T38769189	BV1	10/7/25
4	T38769168	A04	10/7/25	26	T38769190	C1	10/7/25
5	T38769169	A05	10/7/25	27	T38769191	C1E	10/7/25
6	T38769170	A06	10/7/25	28	T38769192	C3	10/7/25
7	T38769171	A07	10/7/25	29	T38769193	C5	10/7/25
8	T38769172	A08	10/7/25	30	T38769194	D01	10/7/25
9	T38769173	A09	10/7/25	31	T38769195	D02	10/7/25
10	T38769174	A10	10/7/25	32	T38769196	E01	10/7/25
11	T38769175	A14	10/7/25	33	T38769197	E02	10/7/25
12	T38769176	A15	10/7/25	34	T38769198	E03	10/7/25
13	T38769177	A16	10/7/25	35	T38769199	E3	10/7/25
14	T38769178	A17	10/7/25	36	T38769200	E3E	10/7/25
15	T38769179	A18	10/7/25	37	T38769201	E04	10/7/25
16	T38769180	A19	10/7/25	38	T38769202	E05	10/7/25
17	T38769181	A20	10/7/25	39	T38769203	E5	10/7/25
18	T38769182	A21	10/7/25	40	T38769204	E7	10/7/25
19	T38769183	A22	10/7/25	41	T38769205	E77	10/7/25
20	T38769184	A23	10/7/25	42	T38769206	G01	10/7/25
21	T38769185	A24	10/7/25	43	T38769207	G02	10/7/25
22	T38769186	A25	10/7/25	44	T38769208	G03	10/7/25

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:

October 7, 2025

Lee, Julius

1 of 2



RE: 6252401 - 2240-B 2Car

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

Site Information:

Customer Info: Adams Homes-Gainesville 2240-B 2Car Frame Project Name: The Preserve at Laurel Lake 035 Model
Lot/Block: 035 Subdivision: The Preserve at Laurel Lake
Address: 525 SW Bellflower Dr, .
City: Lake City State: FL

No.	Seal#	Truss Name	Date
45	T38769209	G04	10/7/25
46	T38769210	H3E	10/7/25
47	T38769211	HJ3	10/7/25
48	T38769212	HJ5	10/7/25
49	T38769213	HJ7	10/7/25

Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769165
6252401	A01	HALF HIP GIRDER	1	2	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:29 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-jjtDVCELeh1PBbsoRn?d3hN_V6KmOyydQCgFj1yVul0



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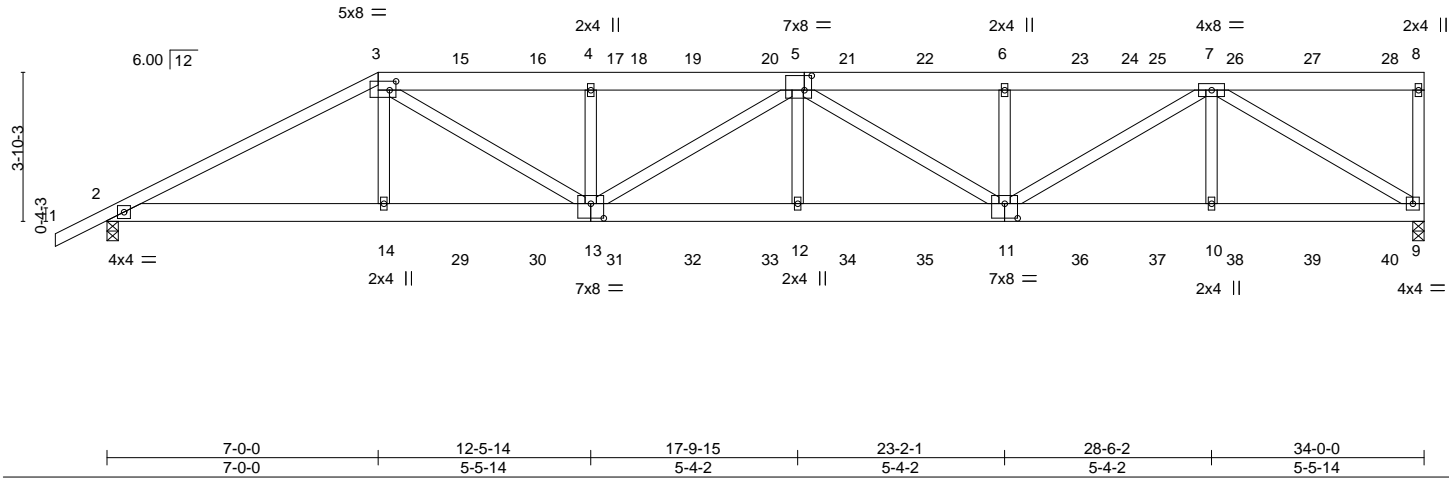


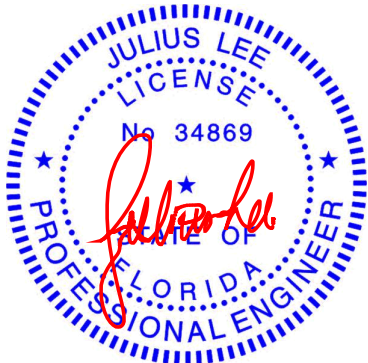
Plate Offsets (X,Y)--		[3:0-2-0,0-2-12], [5:0-2-4,0-4-8], [11:0-4-0,0-4-8], [13:0-4-0,0-4-8]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC 0.67		Vert(LL) -0.19 12-13 >999 360				MT20		244/190	
TCDL	10.0	Lumber DOL 1.25		BC 0.69		Vert(CT) -0.38 12-13 >999 240							
BCLL	0.0 *	Rep Stress Incr NO		WB 0.69		Horz(CT) 0.10 9 n/a n/a							
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL) 0.13 12 >999 240				Weight: 452 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* 1-3: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-5-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 9=0-3-8, 2=0-3-8
Max Horz 2=107(LC 27)
Max Uplift 9=271(LC 8), 2=267(LC 8)
Max Grav 9=2962(LC 1), 2=2874(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5745/478, 3-4=-7055/641, 4-5=-7053/641, 5-6=-6438/585, 6-7=-6438/585,
8-9=-318/102
BOT CHORD 2-14=-453/5054, 13-14=-445/5073, 12-13=-680/7460, 11-12=-680/7460, 10-11=-368/4012,
9-10=-368/4012
WEBS 3-14=0/674, 3-13=-230/2409, 4-13=-768/242, 5-13=-503/54, 5-12=0/463,
5-11=-1211/111, 6-11=-657/216, 7-11=-258/2873, 7-10=0/504, 7-9=-4695/430

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
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; 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.
 - 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) except (jt=lb)
9=271, 2=267.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 7,2025

Continued on page 2

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

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

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

Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769165
6252401	A01	HALF HIP GIRDER	1	2	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:29 2025 Page 2
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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 455 lb down and 255 lb up at 7-0-0, 134 lb down and 89 lb up at 9-0-12, 134 lb down and 89 lb up at 11-0-12, 134 lb down and 89 lb up at 13-0-12, 134 lb down and 89 lb up at 15-0-12, 134 lb down and 89 lb up at 17-0-12, 134 lb down and 89 lb up at 19-0-12, 134 lb down and 89 lb up at 21-0-12, 134 lb down and 89 lb up at 23-0-12, 134 lb down and 89 lb up at 25-0-12, 134 lb down and 89 lb up at 27-0-12, 134 lb down and 89 lb up at 29-0-12, and 134 lb down and 89 lb up at 31-0-12, and 140 lb down and 87 lb up at 33-0-12 on top chord, and 318 lb down at 7-0-0, 96 lb down at 9-0-12, 96 lb down at 11-0-12, 96 lb down at 13-0-12, 96 lb down at 15-0-12, 96 lb down at 17-0-12, 96 lb down at 19-0-12, 96 lb down at 21-0-12, 96 lb down at 23-0-12, 96 lb down at 25-0-12, 96 lb down at 27-0-12, 96 lb down at 29-0-12, and 96 lb down at 31-0-12, and 100 lb down at 33-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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, 2-9=-20
- Concentrated Loads (lb)
- Vert: 3=-408(F) 14=-268(F) 11=-48(F) 6=-134(F) 15=-134(F) 16=-134(F) 17=-134(F) 19=-134(F) 20=-134(F) 21=-134(F) 22=-134(F) 23=-134(F) 25=-134(F) 26=-134(F) 27=-134(F) 28=-140(F) 29=-48(F) 30=-48(F) 31=-48(F) 32=-48(F) 33=-48(F) 34=-48(F) 35=-48(F) 36=-48(F) 37=-48(F) 38=-48(F) 39=-48(F) 40=-50(F)

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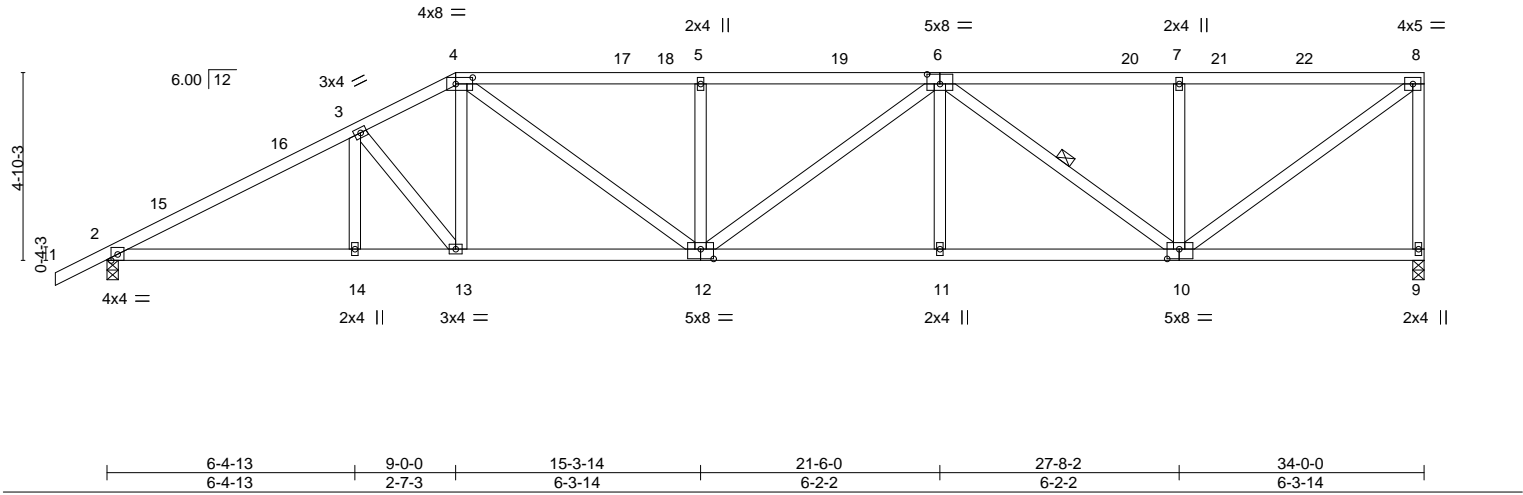
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769166
6252401	A02	HALF HIP	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:30 2025 Page 1
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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.16 12 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.33 11-12 >999 240				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.10 9 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.10 12 >999 240				
								Weight: 190 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-9-8 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 6-10

REACTIONS.	
(size)	9=0-3-8, 2=0-3-8
Max Horz	2=132(LC 12)
Max Uplift	9=-65(LC 12), 2=-94(LC 12)
Max Grav	9=1346(LC 1), 2=1439(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-2521/168, 3-4=-2221/185, 4-5=-2523/195, 5-6=-2523/196, 6-7=-1552/107, 7-8=-1552/107, 8-9=-1289/132
BOT CHORD	2-14=-222/2166, 13-14=-222/2166, 12-13=-173/1951, 11-12=-166/2359, 10-11=-166/2359
WEBS	3-13=-349/75, 4-13=-9/361, 4-12=-33/780, 5-12=-404/121, 6-10=-1002/77, 7-10=-403/116, 8-10=-130/1900

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - 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 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 33-10-4 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
 - 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) 9, 2.



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

October 7,2025

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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769167
6252401	A03	HIP	1	1	Job Reference (optional)	

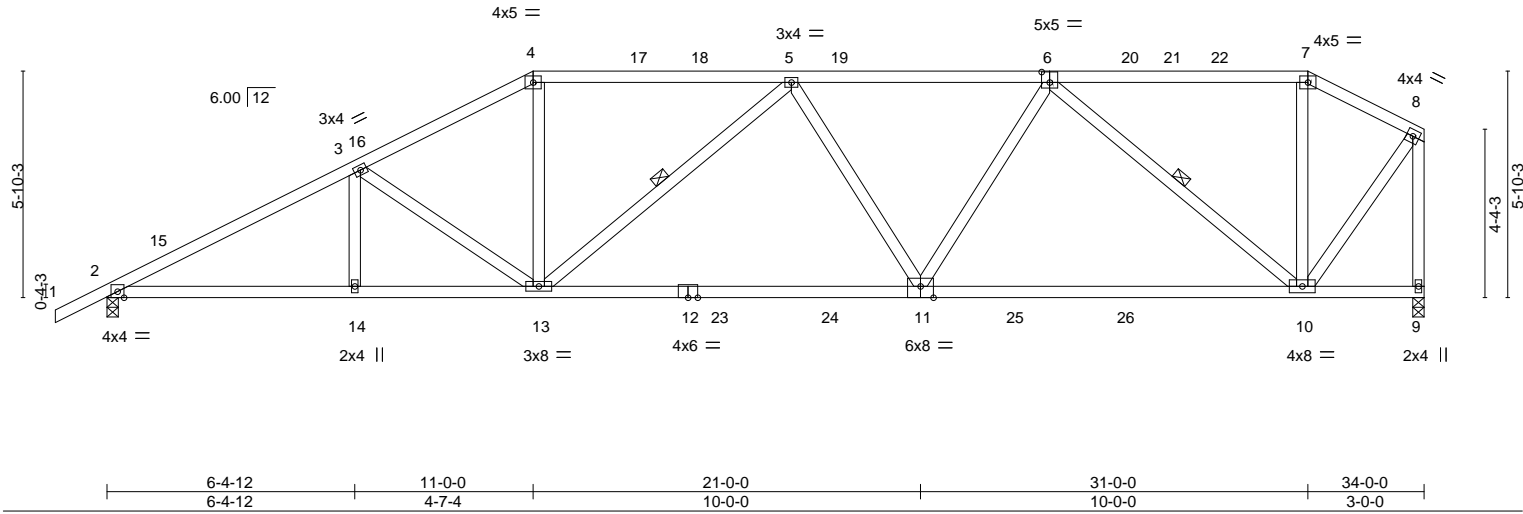
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

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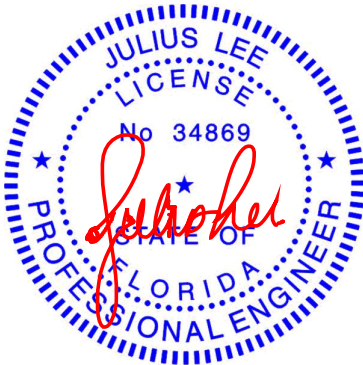
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.28 11-13 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.53 11-13 >770 240				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.10 9 n/a n/a				
BCDL	10.0	Code FBC2023/TP12014		Matrix-S		Wind(LL)	0.07 11-13 >999 240				
								Weight: 190 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-8-10 oc purlins, except end verticals.
BOT CHORD	2x4 SP M 31 or 2x4 SP SS *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2x4 SP No.2	WEBS	6-0-0 oc bracing: 9-10. 1 Row at midpt 5-13, 6-10

REACTIONS.	
(size)	2=0-3-8, 9=0-3-8
Max Horz	2=121(LC 12)
Max Uplift	2=-96(LC 12), 9=-64(LC 12)
Max Grav	2=1599(LC 17), 9=1493(LC 19)

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-2814/182, 3-4=-2353/180, 4-5=-2077/183, 5-6=-2228/160, 6-7=-793/85, 7-8=-901/74, 8-9=-1519/109
BOT CHORD	2-14=-217/2474, 13-14=-217/2474, 11-13=-170/2326, 10-11=-141/1890
WEBS	3-13=-495/92, 4-13=0/767, 5-13=-432/45, 5-11=-252/111, 6-11=0/675, 6-10=-1440/130, 8-10=-70/1340

- 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 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 31-0-0, Zone3 31-0-0 to 33-10-4 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
 - 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.



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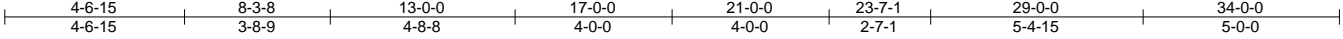
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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769168
6252401	A04	Hip	1	1	Job Reference (optional)	

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

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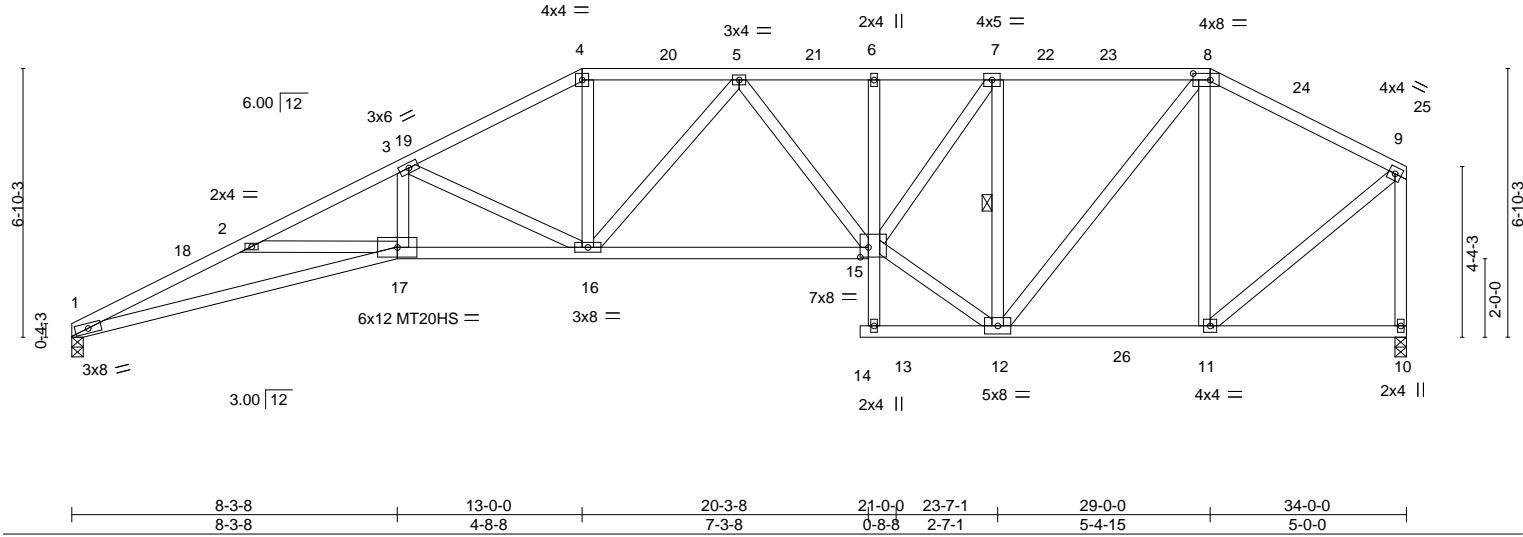


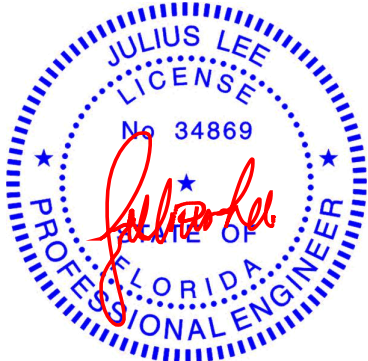
Plate Offsets (X,Y)--		[8:0-5-4,0-2-0], [15:0-2-8,0-3-0]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.69		Vert(LL)	-0.33 1-17	>999	360	MT20	244/190
TCDL 10.0		Lumber DOL	1.25	BC 0.69		Vert(CT)	-0.65 1-17	>618	240	MT20HS	187/143
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.82		Horz(CT)	0.33 10	n/a	n/a		
BCDL 10.0		Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.18 16-17	>999	240	Weight: 212 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
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		9-2-14 oc bracing: 1-17
			6-0-0 oc bracing: 12-13.
			10-0-0 oc bracing: 13-15
			1 Row at midpt 7-12

REACTIONS.	(size) 1=0-3-8, 10=0-3-8
	Max Horz 1=99(LC 12)
	Max Uplift 1=51(LC 12), 10=62(LC 12)
	Max Grav 1=1501(LC 17), 10=1477(LC 18)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-5069/465, 2-3=-4852/374, 3-4=-3000/246, 4-5=-2676/245, 5-6=-2657/230, 6-7=-2635/231, 7-8=-1639/174, 8-9=-1151/114, 9-10=-1404/141
BOT CHORD	1-17=-505/4654, 16-17=-353/4263, 15-16=-195/2758, 11-12=-57/976
WEBS	3-17=-49/1340, 3-16=-1782/196, 4-16=-29/1093, 5-16=-294/39, 12-15=-109/1938, 7-15=-100/1751, 7-12=-1698/174, 8-12=-77/1065, 8-11=-610/115, 9-11=-72/1260

- 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 0-1-12 to 3-1-12, Zone1 3-1-12 to 13-0-0, Zone2 13-0-0 to 17-0-0, Zone1 17-0-0 to 29-0-0, Zone2 29-0-0 to 33-2-15, Zone1 33-2-15 to 33-10-4 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
 - 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) 1 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, 10.



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

October 7,2025

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	2240-B 2Car	T38769169
6252401	A05	Hip	1	1	Job Reference (optional)	

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

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ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-7IYL7EGDxcP_22bN6vYKhJ?RrKH1blx36AuvJMyVuHz



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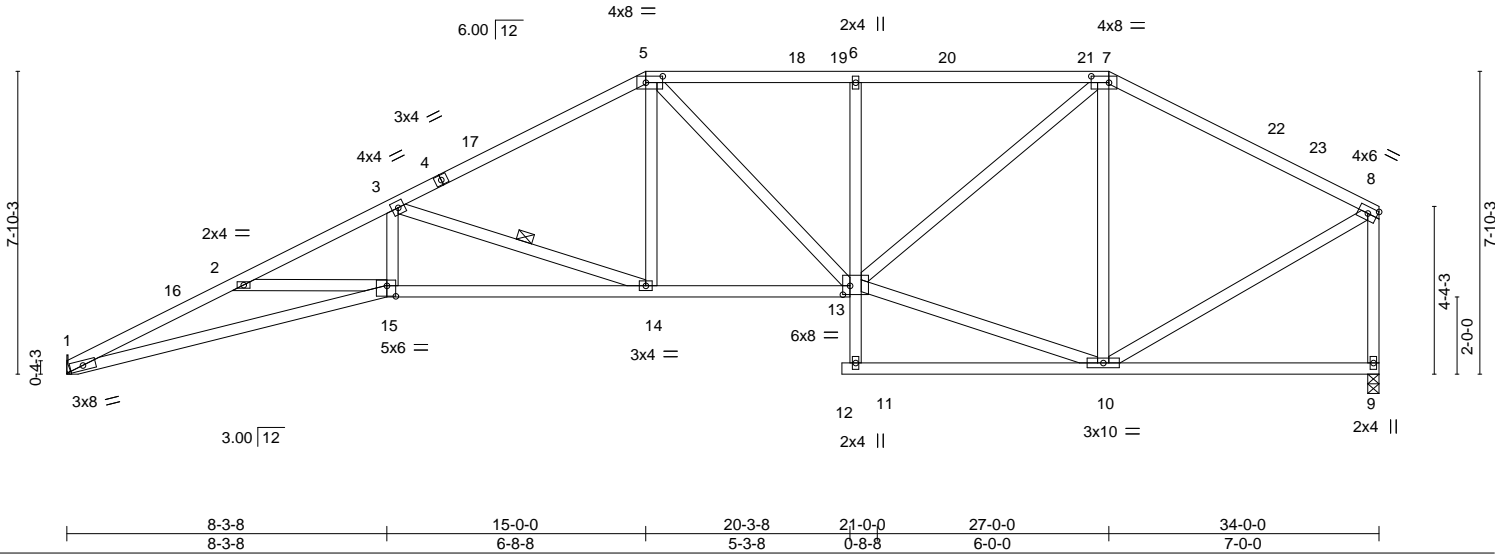


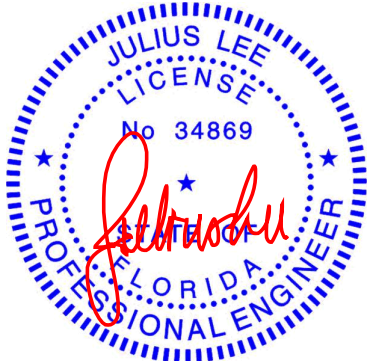
Plate Offsets (X,Y)--						
[5:0-5-4,0-2-0], [7:0-5-8,0-2-0], [13:0-2-4,0-2-12], [15:0-2-12,0-3-4]						
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.92	Vert(LL)	-0.31 14-15	>999 360
TCDL 10.0	Lumber DOL	1.25	BC 0.98	Vert(CT)	-0.63 14-15	>640 240
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.74	Horz(CT)	0.33 9	n/a n/a
BCDL 10.0	Code FBC2023/TP12014		Matrix-S	Wind(LL)	0.20 15	>999 240
					PLATES	GRIP
					MT20	244/190
					Weight: 204 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
1-15: 2x4 SP M 31 or 2x4 SP SS	10-0-0 oc bracing: 11-13
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 3-14

REACTIONS. (size) 1=Mechanical, 9=0-3-8
Max Horz 1=99(LC 12)
Max Uplift 1=51(LC 12), 9=63(LC 12)
Max Grav 1=1355(LC 1), 9=1356(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4684/463, 2-3=-4435/387, 3-5=-2392/228, 5-6=-2013/232, 6-7=-2010/235,
7-8=-1235/135, 8-9=-1292/152
BOT CHORD 1-15=-502/4239, 14-15=-371/3869, 13-14=-145/2075, 6-13=-394/109
WEBS 3-15=-33/1177, 3-14=-1914/238, 5-14=0/757, 10-13=-69/1015, 7-13=-110/1322,
7-10=-735/146, 8-10=-61/1143

- 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 0-0-12 to 3-0-12, Zone1 3-0-12 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 27-0-0, Zone2 27-0-0 to 31-2-15, Zone1 31-2-15 to 33-10-4 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
 - 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.
 - 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) 1, 9.



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

October 7,2025

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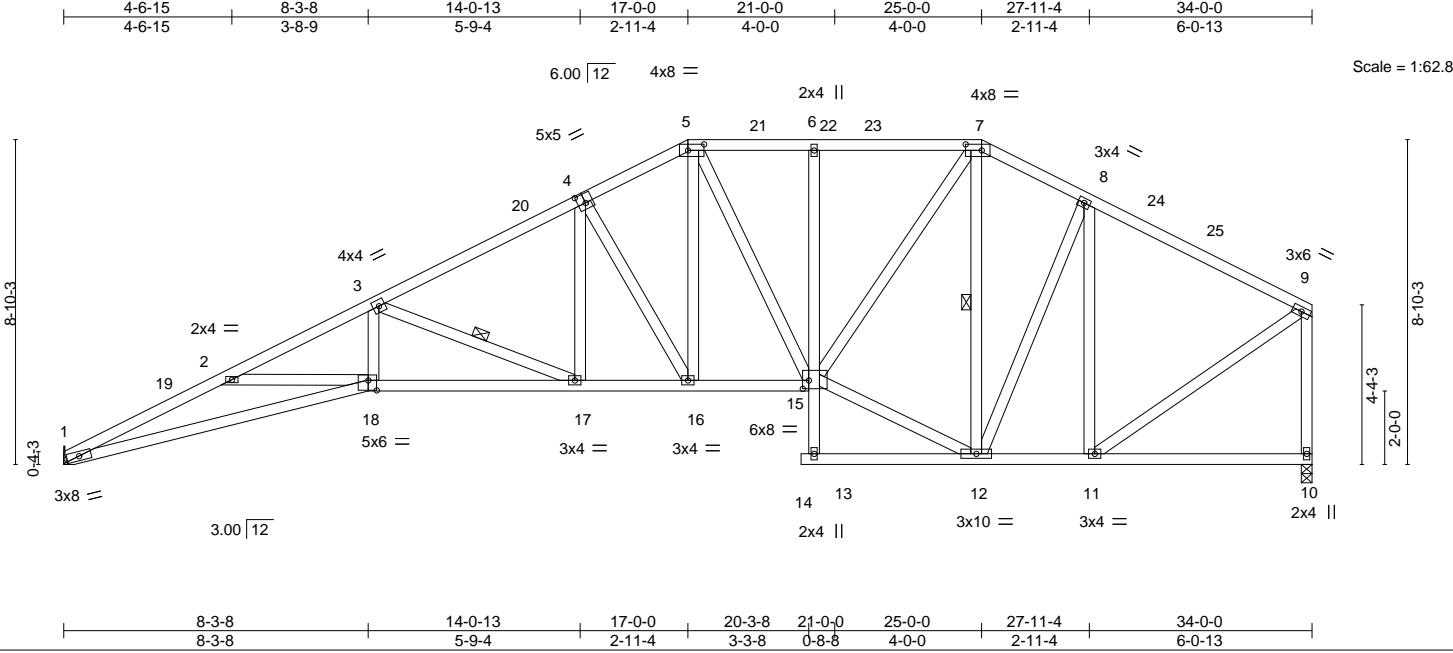
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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769170
6252401	A06	Hip	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:32 2025 Page 1

ID:y6bLPA9E28LfikUn2vm8QUz1P?1-7IYL7EGDxcP_22bN6vYKhJ?VWKlpbLc36AuvJMyVuHz



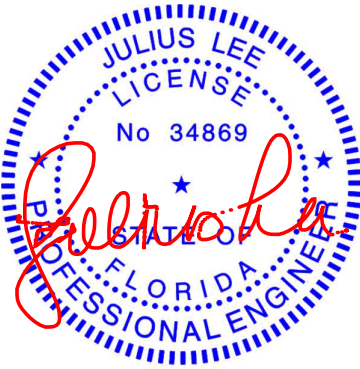
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.30 17-18 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.60 17-18 >676 240				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.32 10 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.19 17-18 >999 240				
								Weight: 239 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
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		9-2-5 oc bracing: 1-18
			2-2-0 oc bracing: 17-18
			10-0-0 oc bracing: 13-15
			1 Row at midpt
			3-17, 7-12

REACTIONS.	
(size)	1=Mechanical, 10=0-3-8
Max Horz	1=108(LC 11)
Max Uplift	1=51(LC 12), 10=63(LC 12)
Max Grav	1=1355(LC 1), 10=1356(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-2=-4696/470, 2-3=-4413/374, 3-4=-2562/249, 4-5=-2001/244, 5-6=-1691/225, 6-7=-1689/226, 7-8=-1232/189, 8-9=-1153/128, 9-10=-1299/148
BOT CHORD	1-18=-510/4252, 17-18=-354/3842, 16-17=-177/2213, 15-16=-112/1757, 6-15=-276/91, 11-12=-66/967
WEBS	3-18=-39/1177, 3-17=-1743/191, 4-17=-15/748, 4-16=-939/132, 5-16=-80/871, 12-15=-66/1105, 7-15=-93/1140, 7-12=-610/44, 8-12=-4/301, 8-11=-553/109, 9-11=-77/1147

NOTES-	
1)	Unbalanced roof live loads have been considered for this design.
2)	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 0-0-12 to 3-0-12, Zone1 3-0-12 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 25-0-0, Zone2 25-0-0 to 29-2-15, Zone1 29-2-15 to 33-10-4 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
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)	Refer to girder(s) for truss to truss connections.
8)	Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 10.



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

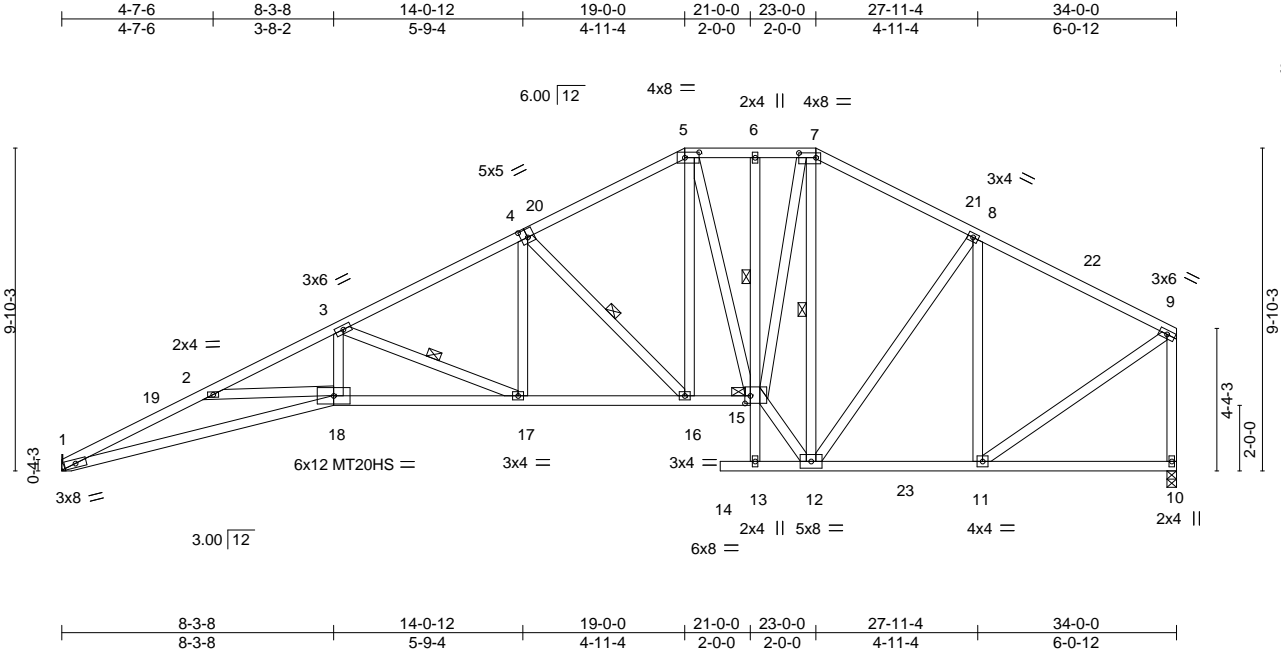
October 7,2025

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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769171
6252401	A07	Hip	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:33 2025 Page 1
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769172
6252401	A08	ROOF SPECIAL	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:34 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-4hg6YvITTEgIlMIEKaomk4rM7_D3C_MZUN0NFyVuHx
4-6-15 8-3-8 14-0-12 21-0-0 27-11-4 33-0-0 38-0-0 39-4-0
4-6-15 3-8-9 5-9-3 6-11-4 6-11-4 5-0-12 5-0-0 1-4-0

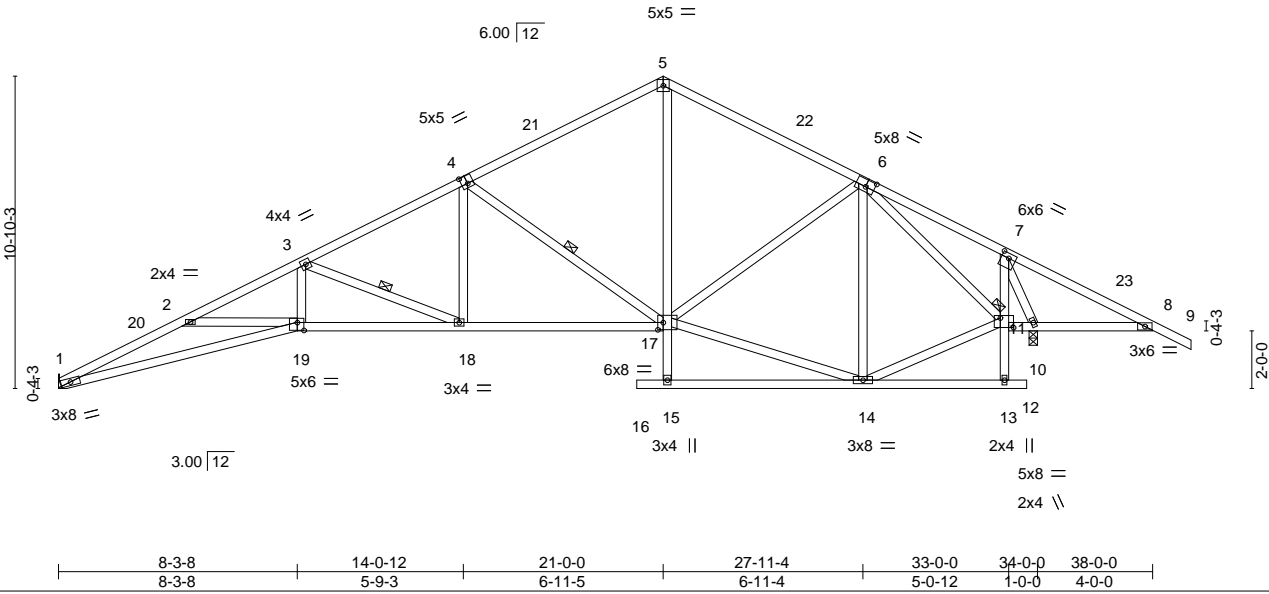


Plate Offsets (X,Y)--		[4:0-2-8,0-3-4], [6:0-3-12,0-3-0], [7:0-3-0,0-2-0], [11:0-5-8,0-4-0], [17:0-2-4,0-3-0], [19:0-2-12,0-3-4]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.29 18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.58 1-19	>703	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.27 10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.17 18-19	>999	240	Weight: 237 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:
1-19: 2x4 SP M 31 or 2x4 SP SS	2-2-0 oc bracing: 18-19
WEBS 2x4 SP No.2	6-0-0 oc bracing: 8-10.
	10-0-0 oc bracing: 15-17, 11-13
	1 Row at midpt 3-18, 4-17
	1 Brace at Jt(s): 11
	JOINTS

REACTIONS.	(size) 1=Mechanical, 10=0-3-8
Max Horz 1=165(LC 10)	
Max Uplift 1=47(LC 12), 10=100(LC 12)	
Max Grav 1=1332(LC 1), 10=1820(LC 1)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-4613/435, 2-3=-4305/288, 3-4=-2515/200, 4-5=-1463/180, 5-6=-1478/166, 6-7=-340/4, 7-8=-321/592
BOT CHORD	1-19=-397/4177, 18-19=-186/3743, 17-18=-48/2180, 5-17=-7/832, 7-11=-45/999, 10-11=0/287, 8-10=-463/354
WEBS	3-19=-21/1150, 3-18=-1672/149, 4-18=0/769, 4-17=-1188/138, 14-17=0/874, 6-17=0/471, 6-14=-500/70, 11-14=0/920, 6-11=-956/285, 7-10=-1738/209

- 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=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-0-12 to 3-0-12, Zone1 3-0-12 to 21-0-0, Zone2 21-0-0 to 25-2-15, Zone1 25-2-15 to 39-4-0 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.
 - 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) 1 except (jt=lb) 10=100.



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

October 7,2025

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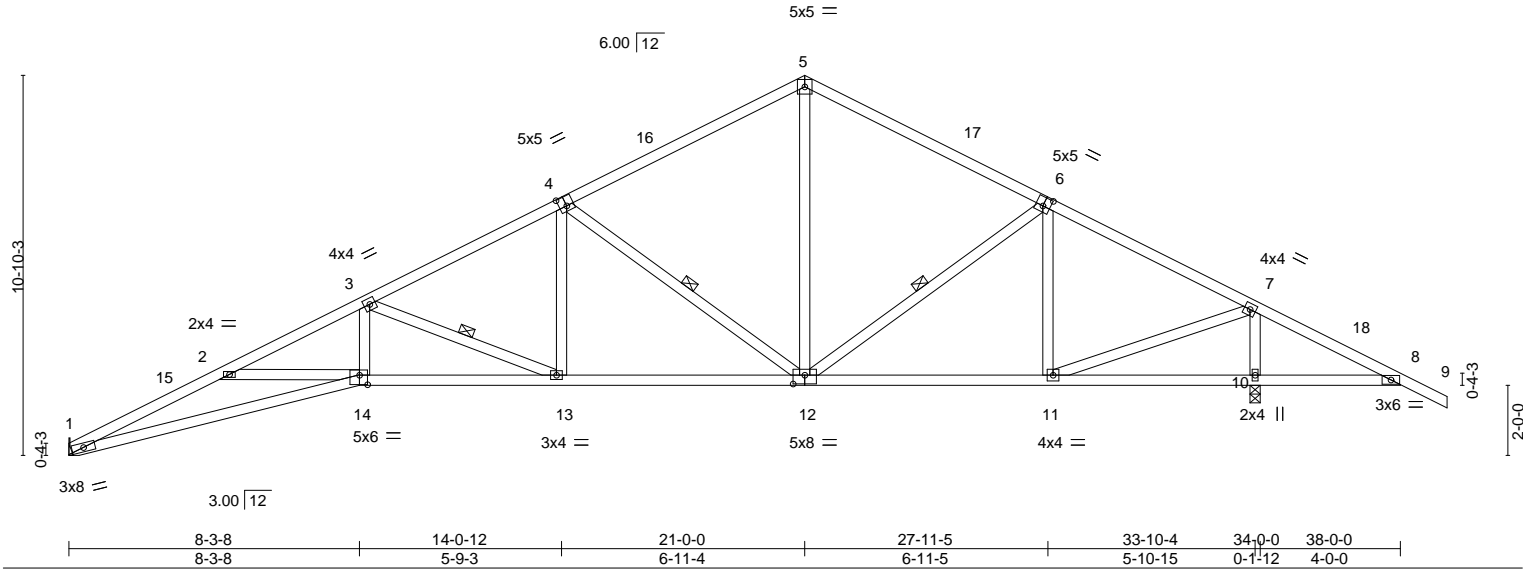
Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769173
6252401	A09	ROOF SPECIAL	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:34 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-4hg6YvITTEgiMIIEKaomk4rW7?w3HIMZUN0NFyVuHx



Scale = 1:65.8



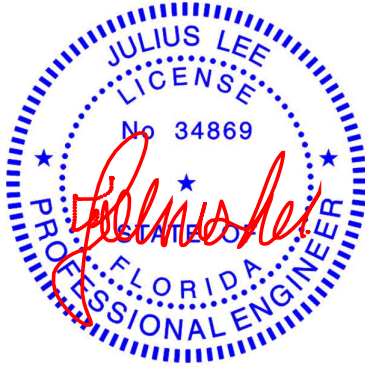
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.29 13-14 >999	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.58 13-14 >705				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.26 10 n/a				
BCDL	10.0	Code FBC2023/TP12014		Matrix-S		Wind(LL)	0.17 13-14 >999				
								Weight: 203 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 6-0-0 oc bracing.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 3-13, 4-12, 6-12

REACTIONS. (size) 1=Mechanical, 10=0-3-8
Max Horz 1=-165(LC 10)
Max Uplift 1=-52(LC 12), 10=-118(LC 12)
Max Grav 1=1320(LC 1), 10=1795(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4566/453, 2-3=-4255/307, 3-4=-2474/217, 4-5=-1451/191, 5-6=-1450/176,
6-7=-1394/102, 7-8=-318/524
BOT CHORD 1-14=-414/4134, 13-14=-203/3699, 12-13=-62/2144, 11-12=0/1188, 10-11=-408/344,
8-10=-408/344
WEBS 3-14=-23/1144, 3-13=-1663/152, 4-13=0/750, 4-12=-1165/147, 5-12=-19/827,
6-11=-445/172, 7-11=-258/1682, 7-10=-1673/332

- 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=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-0-12 to 3-0-12, Zone1 3-0-12 to 21-0-0, Zone2 21-0-0 to 25-2-15, Zone1 25-2-15 to 39-4-0 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.
 - 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) 1 except (jt=lb) 10=118.



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

October 7,2025

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

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 ID:y6bLPA9E28LfKUn2ym8QUz1P?1-YtEUIFJ6EXoZvWJyn261Jyd2eXKMobXWo87ZvhyVuHw
 2-0-0 4-6-15 8-3-8 14-0-12 21-0-0 27-11-5 33-10-4 38-0-0 39-4-0
 2-0-0 4-6-15 3-8-9 5-9-3 6-11-4 6-11-5 5-10-15 4-1-12 1-4-0



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

REACTIONS. (size) 2=0-3-8, 11=0-3-8
 Max Horz 2=172(LC 11)
 Max Uplift 2=-115(LC 12), 11=-115(LC 12)
 Max Grav 2=1449(LC 1), 11=1788(LC 1)

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

TOP CHORD 2-3=-4389/299, 3-4=-4153/221, 4-5=-2445/190, 5-6=-1440/180, 6-7=-1438/165,
7-8=-1384/94, 8-9=-318/524

BOT CHORD 2-16=-269/3940, 15-16=-133/3614, 14-15=-39/2135, 12-14=0/1179, 11-12=-408/344,
9-11=-408/344

WEBS 4-16=0/1086, 4-15=-1597/103, 5-15=0/726, 5-14=-1157/143, 6-14=-8/812,
7-12=-442/172, 8-12=-256/1673, 8-11=-1666/331

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCp1=0.18; MWFRS (directional) and C-C Zone3-2-0-0 to 1-0-0, Zone1 1-0-0 to 21-0-0, Zone2 21-0-0 to 25-2-15, Zone1 25-2-15 to 39-4-0 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=115. 11=115.



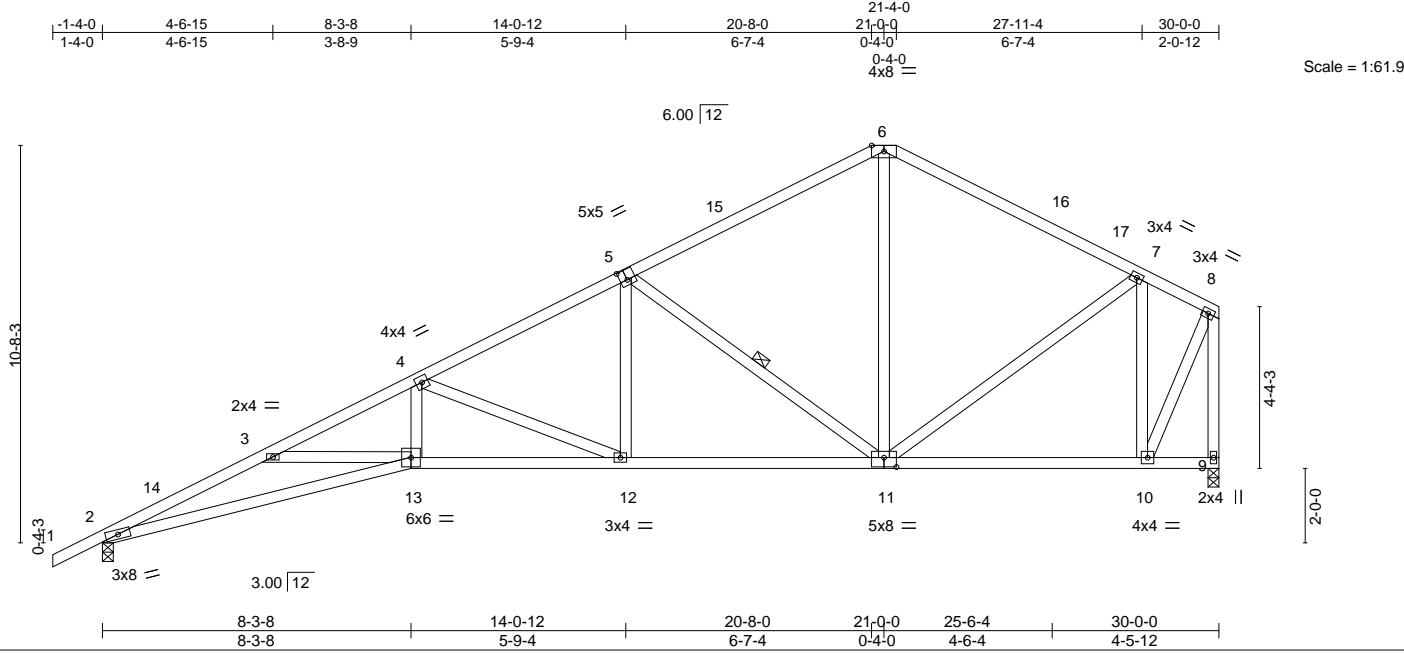
Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 7.2025

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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, building designers and installers must verify the applicability of design parameters and conditions to this design for the individual 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/TP11 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.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769175
6252401	A14	HIP	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:35 2025 Page 1
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769176
6252401	A15	HIP	1	1	Job Reference (optional)	

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8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:36 2025 Page 1

ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-03oszbJk?rwQXfu8LdGr9ABtxicXCdf1os7S7yVuHv



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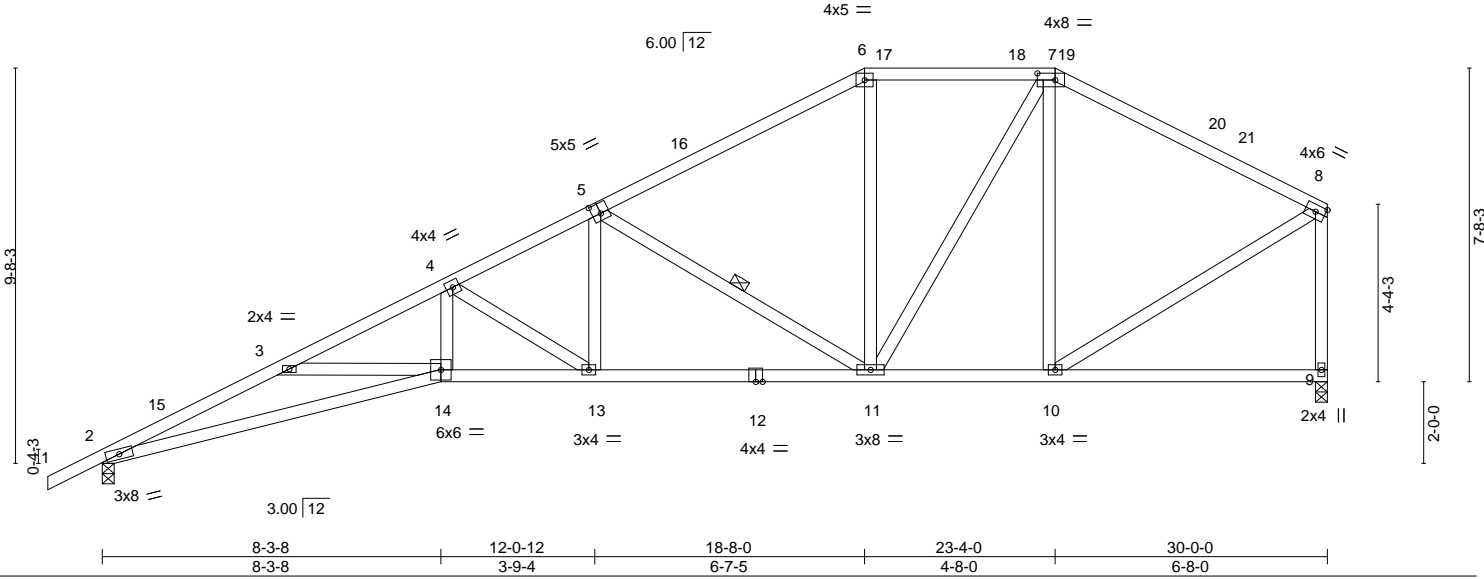


Plate Offsets (X,Y)--		[5:0-2-8,0-3-0], [7:0-5-4,0-2-0]							
LOADING (psf)	SPACING-		CSL.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.66	Vert(LL)	-0.22	14	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.74	Vert(CT)	-0.47	2-14	>759		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.37	Horz(CT)	0.20	9	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.14	14	>999	Weight: 179 lb	FT = 20%

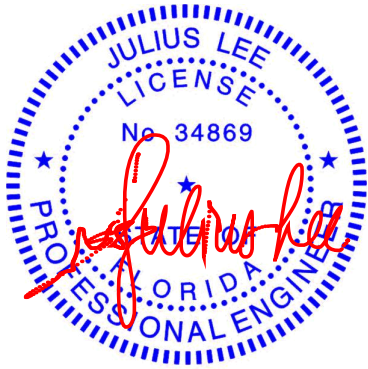
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-7-9 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 9-1-8 oc bracing.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 5-11

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=169(LC 12)
Max Uplift 2=-80(LC 12), 9=-66(LC 12)
Max Grav 2=1279(LC 1), 9=1186(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3961/425, 3-4=-3633/324, 4-5=-2413/239, 5-6=-1355/175, 6-7=-1133/189, 7-8=-1038/139, 8-9=-1122/158
BOT CHORD 2-14=-518/3561, 13-14=-353/3146, 11-13=-241/2117, 10-11=-65/842
WEBS 4-14=-59/980, 4-13=-1196/132, 5-13=-6/744, 5-11=-1161/164, 6-11=0/319, 7-11=-68/606, 7-10=-389/110, 8-10=-71/957

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 18-8-0, Zone2 18-8-0 to 22-10-15, Zone1 22-10-15 to 23-4-0, Zone2 23-4-0 to 27-6-15, Zone1 27-6-15 to 29-10-4 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
- 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) 2 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) 2, 9.



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Date:

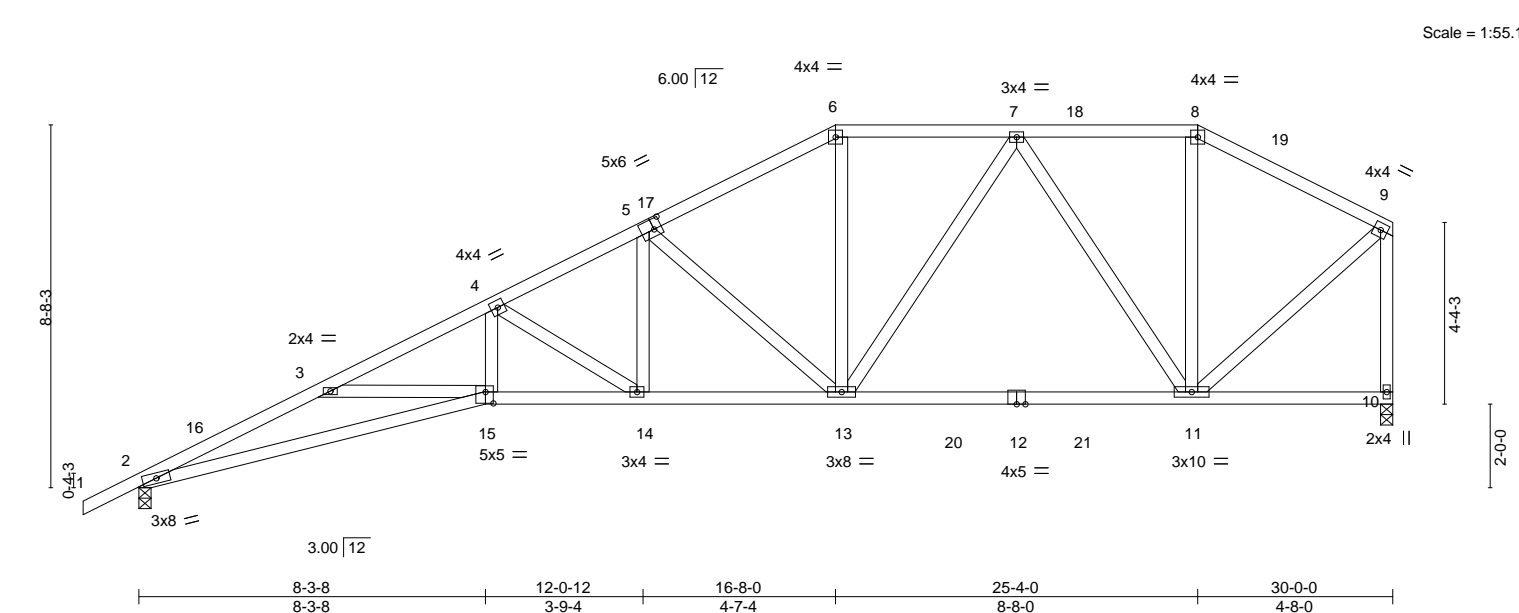
October 7,2025

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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-1-4-0 4-6-15 8-3-8 12-0-12 16-8-0 21-0-0 25-4-0 30-0-0
1-4-0 4-6-15 3-8-9 3-9-4 4-7-4 4-4-0 4-4-0 4-8-0



LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-5-12 oc purlins,
BOT CHORD	2x4 SP No.2 *Except*		except end verticals.
	2-15: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD	Rigid ceiling directly applied or 9-1-12 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 2=0-3-8, 10=0-3-8
 Max Horz 2=169(LC 12)
 Max Uplift 2=-80(LC 12), 10=-66(LC 12)
 Max Grav 2=1417(LC 17), 10=1309(LC 17)

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

TOP CHORD	2-3=-4414/423, 3-4=-4151/328, 4-5=-2691/244, 5-6=-1805/184, 6-7=-1584/189, 7-8=-849/121, 8-9=-1000/109, 9-10=-1269/137
BOT CHORD	2-15=-517/4074, 14-15=-359/3649, 13-14=-241/2410, 11-13=-119/1306
WEBS	4-15=-49/1215, 4-14=-1460/138, 5-14=-41/857, 5-13=-1086/153, 6-13=0/558, 7-13=-12/533, 7-11=-808/113, 9-11=-70/1131

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=24ft; eave=4ft; Cat. I; Exp B; Encl. GCp=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 16-8-0, Zone2 16-8-0 to 21-0-0, Zone1 21-0-0 to 25-4-0, Zone3 25-4-0 to 29-10-4 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
- 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, with BCDL = 10.0psf.
- 7) Bearing at joint(s) 2 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 100 lb uplift at joint(s) 2, 10.



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Date:

October 7, 2025

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WARNING – verify design parameters and READ NOTES on this and INCLUDED MITER KEY REFERENCE PLATE MP1473 (rev. 1/2/2025) BEFORE USE.

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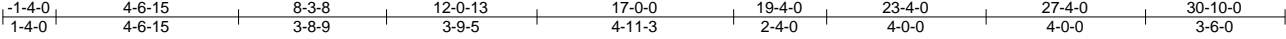
MiTek[®]
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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769178
6252401	A17	ROOF SPECIAL	1	1	Job Reference (optional)	

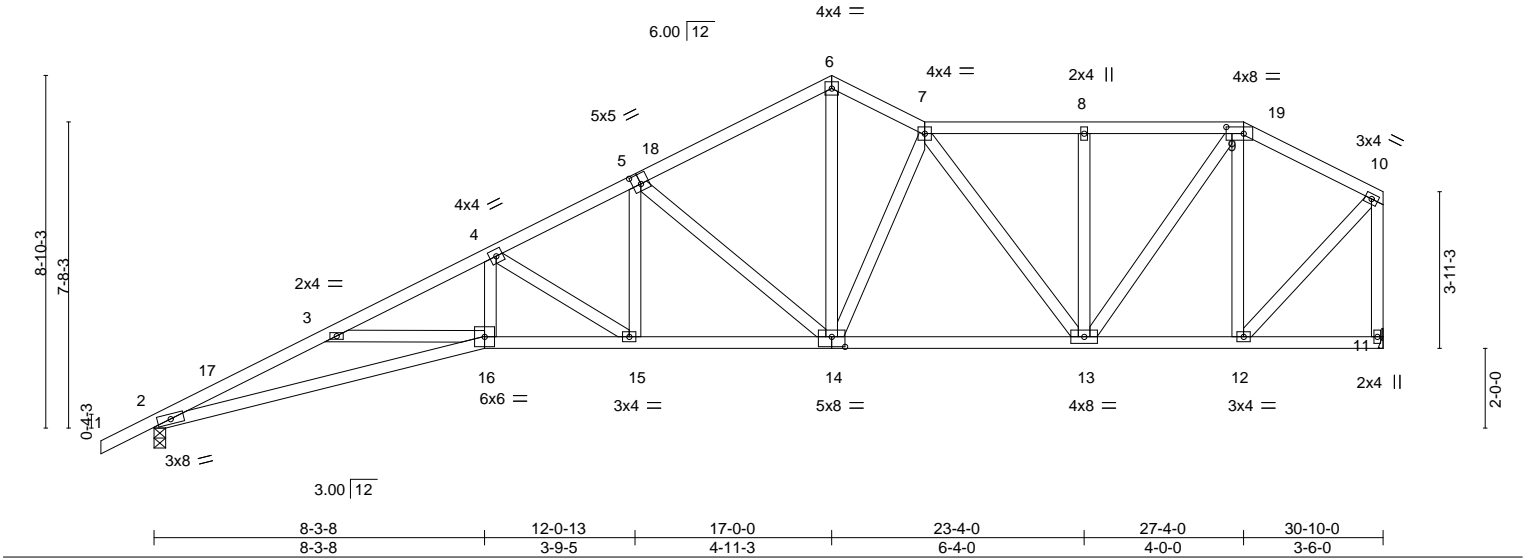
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:37 2025 Page 1

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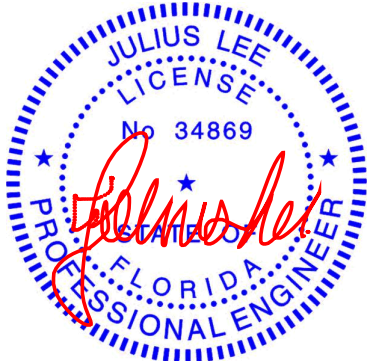
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.23 15-16 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.48 2-16 >764 240				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.21 11 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.15 16 >999 240				
								Weight: 192 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-6-12 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 8-9-11 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 2=0-3-8, 11=Mechanical
Max Horz 2=159(LC 12)
Max Uplift 2=83(LC 12), 11=65(LC 12)
Max Grav 2=1313(LC 1), 11=1220(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4086/486, 3-4=-3780/392, 4-5=-2500/299, 5-6=-1663/235, 6-7=-1613/253, 7-8=-1289/210, 8-9=-1289/210, 9-10=-834/138, 10-11=-1185/195
BOT CHORD 2-16=-558/3674, 15-16=-401/3279, 14-15=-276/2182, 13-14=-187/1610, 12-13=-82/689
WEBS 4-16=-61/1017, 4-15=-1274/147, 5-15=-36/747, 5-14=-991/166, 6-14=-123/1191, 7-14=-472/107, 7-13=-539/70, 8-13=-270/95, 9-13=-106/1006, 9-12=-666/128, 10-12=-119/1011

- 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 17-0-0, Zone3 17-0-0 to 19-4-0, Zone1 19-4-0 to 27-4-0, Zone3 27-4-0 to 30-8-4 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
 - 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.
 - Refer to girder(s) for truss to truss connections.
 - Bearing at joint(s) 2 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) 2, 11.



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

October 7, 2025

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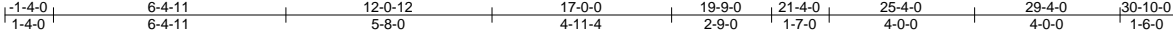
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769179
6252401	A18	ROOF SPECIAL	1	1	Job Reference (optional)	

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

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6x8 =

Scale: 3/16"=1'

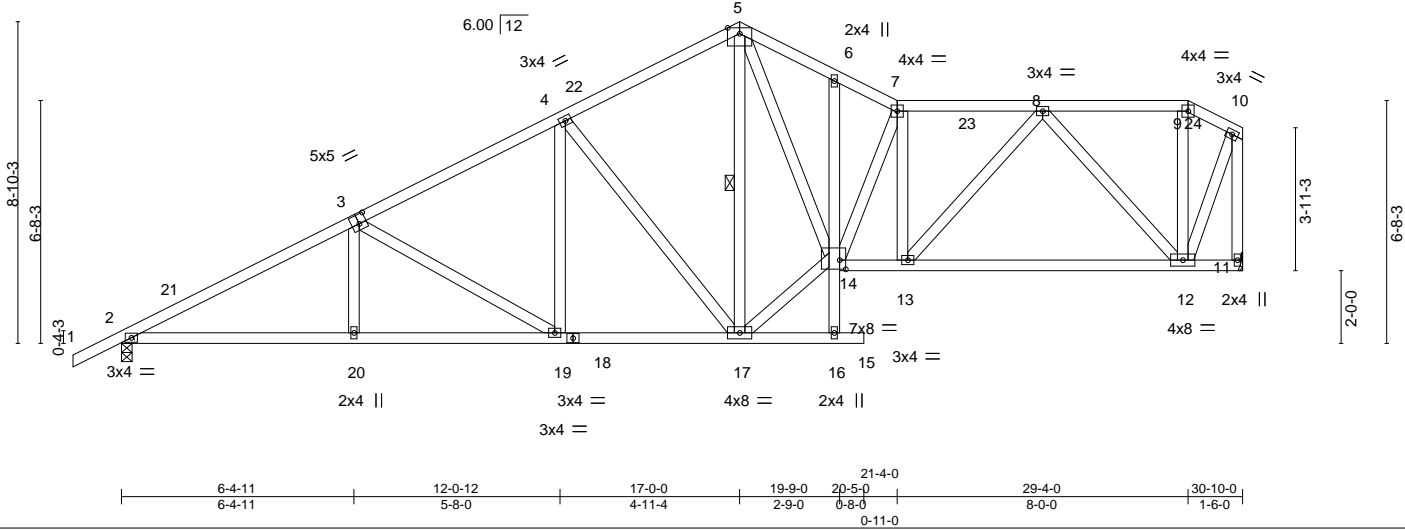


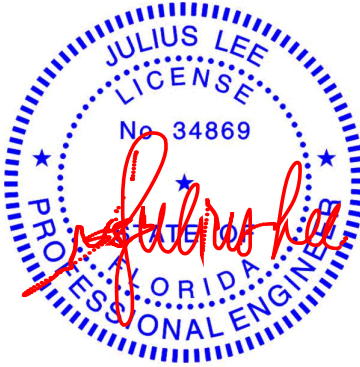
Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [14:0-2-0,0-3-0]						
LOADING (psf)		SPACING-	2-0-0	CSI.	DEFL.	PLATES
TCLL	20.0	Plate Grip DOL	1.25	TC 0.53	in (loc) l/defl L/d	GRIP
TCDL	10.0	Lumber DOL	1.25	BC 0.65	Vert(LL) -0.10 15 >999 360	MT20 244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.74	Vert(CT) -0.23 12-13 >999 240	
BCDL	10.0	Code FBC2023/TP12014		Matrix-S	Horz(CT) 0.09 11 n/a n/a	
					Wind(LL) 0.07 15 >999 240	Weight: 216 lb FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-3-1 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS	2x4 SP No.2	WEBS	10-0-0 oc bracing: 14-16 1 Row at midpt 5-17

REACTIONS. (size) 2=0-3-8, 11=Mechanical
Max Horz 2=159(LC 12)
Max Uplift 2=80(LC 12), 11=58(LC 12)
Max Grav 2=1318(LC 1), 11=1230(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2272/166, 3-4=-1752/188, 4-5=-1304/202, 5-6=-1858/277, 6-7=-1875/231, 7-8=-1831/199, 8-9=-422/62, 9-10=-483/54, 10-11=-1260/121
BOT CHORD 2-20=-232/1946, 19-20=-234/1942, 17-19=-176/1497, 13-14=-176/1848, 12-13=-146/1247
WEBS 3-20=0/263, 3-19=-522/67, 4-19=0/406, 4-17=-632/109, 5-17=-266/48, 14-17=-133/1331, 5-14=-191/1482, 7-14=-523/29, 7-13=-499/129, 8-13=-57/885, 8-12=-1251/169, 10-12=-91/1102

- 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 17-0-0, Zone3 17-0-0 to 21-4-0, Zone1 21-4-0 to 29-4-0, Zone3 29-4-0 to 30-8-4 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
 - 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.
 - 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, 11.



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

October 7,2025

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

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Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:38 2025 Page 1
 ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-ySvdOHL_WSA7mz2WTAfkwaFWqI0a?0TyU6LEW0yVuHt
 1-4-0 6-4-11 12-0-12 17-0-0 19-9-0 23-4-0 30-10-0
 1-4-0 6-4-11 5-8-0 4-11-4 2-9-0 3-7-0 7-6-0



LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-4-2 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS	2x4 SP No.2		10-0-0 oc bracing: 11-13
		WEBS	1 Row at midpt 5-14, 7-9

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

TOP CHORD	2-3=-2276/142, 3-4=-1754/160, 4-5=-1304/175, 5-6=-1868/244, 6-7=-1923/213
BOT CHORD	2-17=-232/1952, 16-17=-230/1954, 14-16=-173/1498, 10-11=-192/2087, 9-10=-188/2093
WEBS	3-17=0/263, 3-16=-529/65, 4-16=0/404, 4-14=-635/110, 5-14=-272/40, 11-14=-126/1347, 5-11=-161/1500, 7-11=-569/47, 7-10=0/273, 7-9=-2236/196

- 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=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 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 30-8-4 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
- 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2.



October 7, 2025

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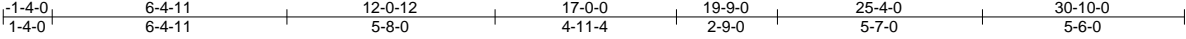
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769181
6252401	A20	ROOF SPECIAL	1	1	Job Reference (optional)	

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

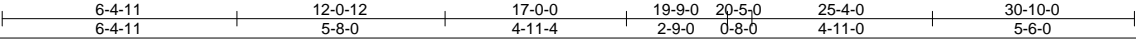
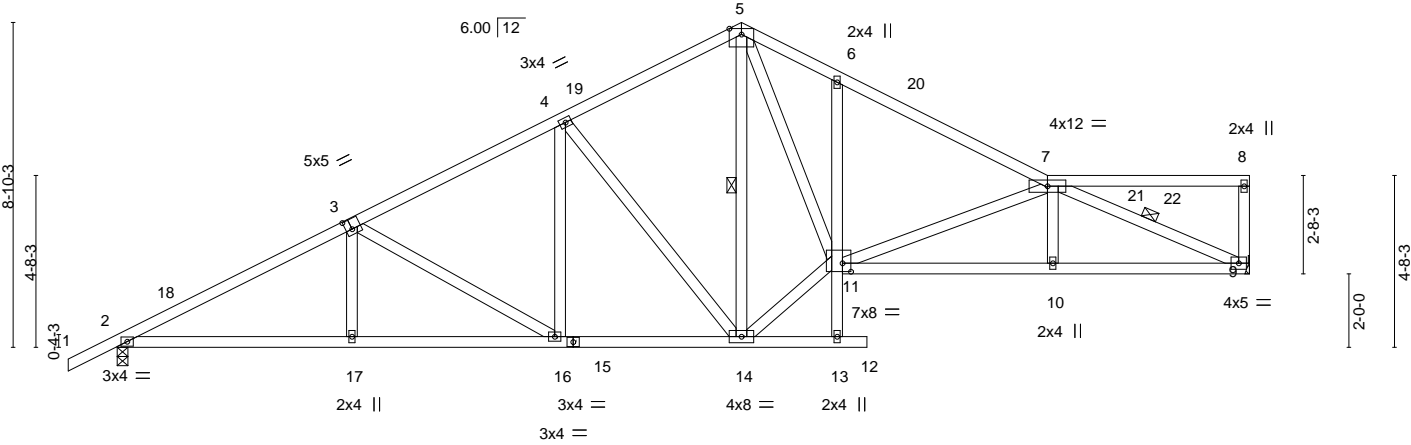
8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:39 2025 Page 1

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6x8 =

Scale = 1:62.7



LOADING (psf)		SPACING-		CSL.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.13 12 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.28 10-11 >999 240				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.12 9 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.08 12 >999 240				
								Weight: 193 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-4-2 oc purlins, except end verticals.
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: 13-14.
			10-0-0 oc bracing: 11-13
			1 Row at midpt 5-14, 7-9

REACTIONS. (size) 9=Mechanical, 2=0-3-8
Max Horz 2=128(LC 12)
Max Uplift 9=53(LC 12), 2=85(LC 12)
Max Grav 9=1230(LC 1), 2=1318(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2276/150, 3-4=-1755/169, 4-5=-1304/184, 5-6=-1916/260, 6-7=-1968/209
BOT CHORD 2-17=-214/1952, 16-17=-213/1954, 14-16=-156/1498, 6-11=-287/148, 10-11=-207/2325, 9-10=-203/2332
WEBS 3-17=0/263, 3-16=-529/65, 4-16=0/403, 4-14=-635/111, 5-14=-274/20, 11-14=-93/1356, 5-11=-165/1558, 7-11=-679/69, 7-9=-2495/209

- 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 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 30-8-4 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
 - 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.
 - 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) 9, 2.



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

October 7,2025

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 Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:40 2025 Page 1
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 -1-4-0 6-4-12 13-0-0 19-9-0 21-0-0 24-11-13 29-4-0 30-10-0
 1-4-0 6-4-12 6-7-5 6-9-0 1-3-0 3-11-13 4-4-3 1-6-0



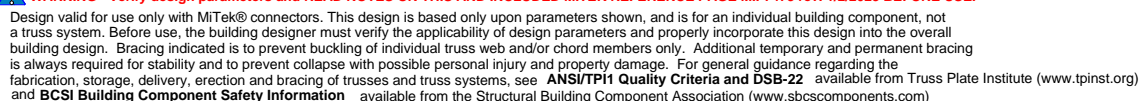
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-0-12 oc purlins.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
	9-12: 2x8 SP No.2		10-0-0 oc bracing: 12-14
WEBS	2x4 SP No.2	JOINTS	1 Brace at Jt(s): 12
OTHERS	2x8 SP No.2		
LBR SCAB	9-12 2x8 SP No.2 one side		

NOTES-

- 1) Attached 11-1-0 scab 9 to 12, front face(s) 2x8 SP No.2 with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c. except : starting at 8-8-13 from end at joint 12, nail 2 row(s) at 7" o.c. for 2-0-0.
- 2) Unbalanced roof live loads have been considered for this design.
- 3) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=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 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 21-0-0, Zone2 21-0-0 to 24-11-13, Zone1 24-11-13 to 29-5-13 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
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.



October 7.2025

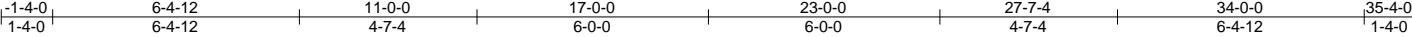


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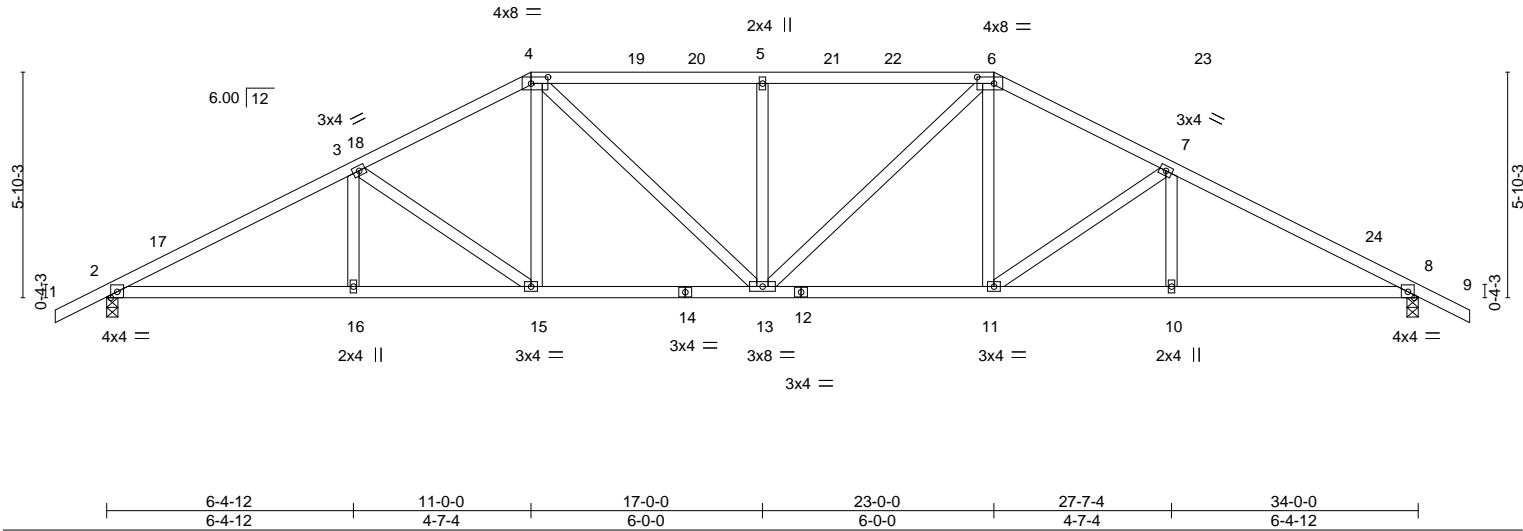
Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769184
6252401	A23	HIP	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:41 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-M1bl0INspNYidRn58ICRYDt2LyRoCTdOA4au7LyVuHq



Scale = 1:59.7



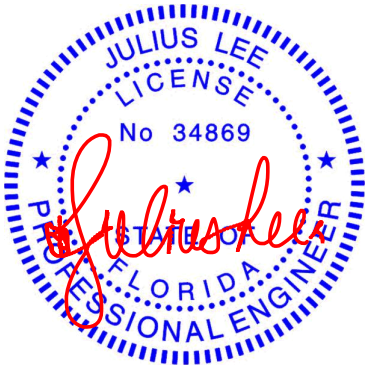
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.14 13 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.29 13-15 >999 240				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.11 8 n/a n/a				
BCDL	10.0	Code FBC2023/TP12014		Matrix-S		Wind(LL)	0.08 13 >999 240				
								Weight: 181 lb FT = 20%			

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-10-13 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=0-3-8, 8=0-3-8
Max Horz 2=102(LC 11)
Max Uplift 2=100(LC 12), 8=100(LC 12)
Max Grav 2=1437(LC 1), 8=1437(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2524/198, 3-4=-2073/206, 4-5=-2084/227, 5-6=-2084/227, 6-7=-2073/206,
7-8=-2524/198
BOT CHORD 2-16=-106/2169, 15-16=-106/2169, 13-15=-39/1798, 11-13=-45/1798, 10-11=-113/2169,
8-10=-113/2169
WEBS 3-15=-465/82, 4-15=0/394, 4-13=-37/495, 5-13=-410/120, 6-13=-37/495, 6-11=0/394,
7-11=-465/82

- 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 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 23-0-0, Zone2 23-0-0 to 27-2-15, Zone1 27-2-15 to 35-4-0 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.
 - 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) except (jt=lb) 2=100, 8=100.



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

October 7,2025

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

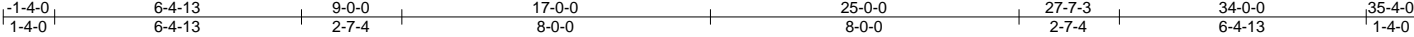
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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769185
6252401	A24	HIP	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:41 2025 Page 1
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Scale = 1:59.7

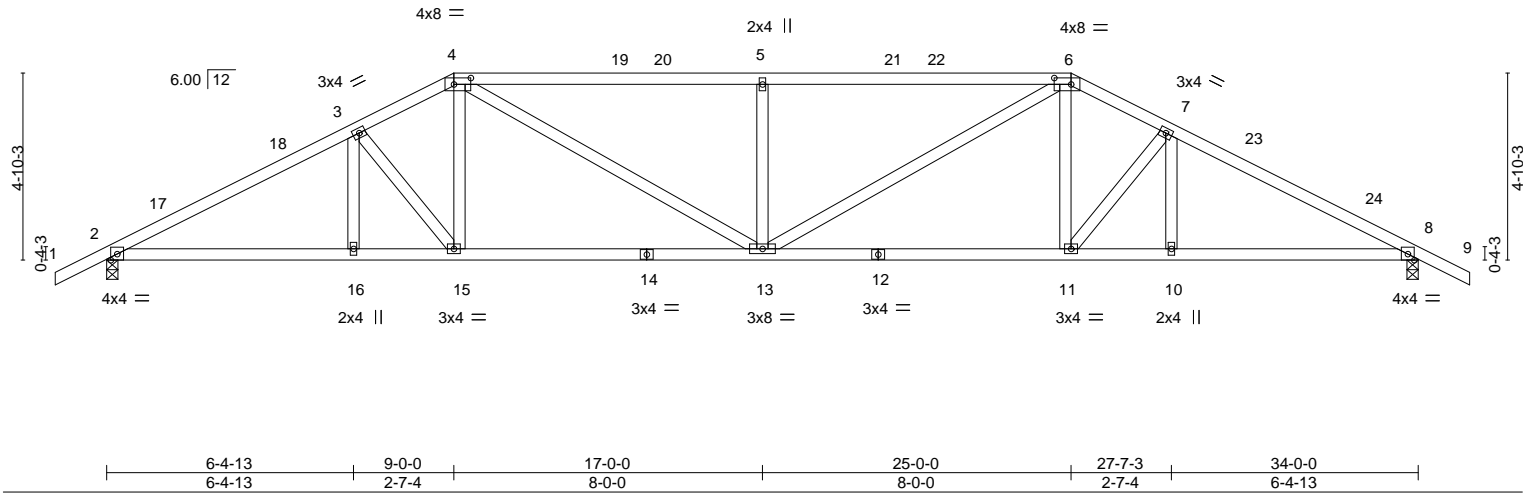


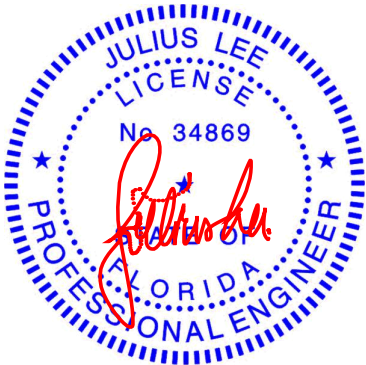
Plate Offsets (X,Y)--		[4:0-5-4,0-2-0], [6:0-5-4,0-2-0]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.65	Vert(LL) -0.16 13 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.77	Vert(CT) -0.36 13-15 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.20	Horz(CT) 0.11 8 n/a n/a		
BCDL 10.0	Code FBC2023/TP12014	Matrix-S	Wind(LL) 0.09 13 >999 240	Weight: 174 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 4-6: 2x4 SP M 31 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 2-9-5 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=0-3-8, 8=0-3-8
Max Horz 2=85(LC 11)
Max Uplift 2=100(LC 12), 8=100(LC 12)
Max Grav 2=1437(LC 1), 8=1437(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2515/196, 3-4=-2225/209, 4-5=-2594/243, 5-6=-2594/243, 6-7=-2225/209,
7-8=-2514/196
BOT CHORD 2-16=-103/2159, 15-16=-103/2159, 13-15=-55/1961, 11-13=-59/1961, 10-11=-111/2159,
8-10=-111/2159
WEBS 3-15=-326/79, 4-15=-60/395, 4-13=-60/817, 5-13=-552/159, 6-13=-60/817, 6-11=0/395,
7-11=-326/79

- 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 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 25-0-0, Zone2 25-0-0 to 29-2-15, Zone1 29-2-15 to 35-4-0 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.
 - 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) except (jt=lb) 2=100, 8=100.



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

October 7,2025

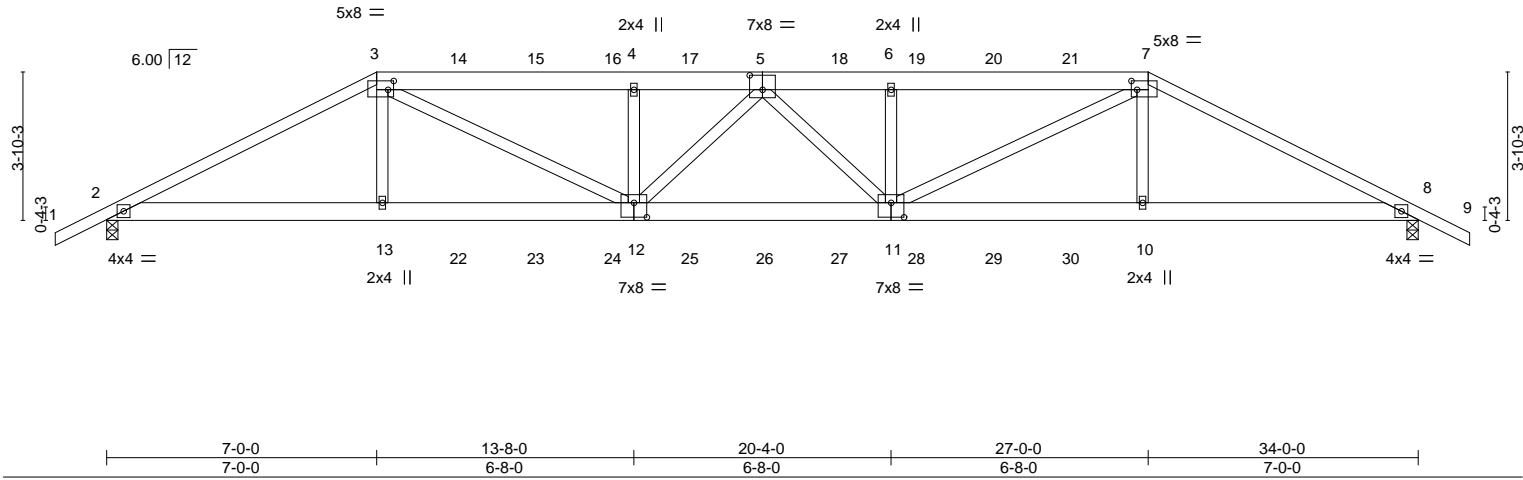
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769186
6252401	A25	HIP GIRDER	1	2	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:42 2025 Page 1
ID:y6bLPA9E28LfikUn2vm8QUz1P?1-rD97DeOVahgZFaMli0kg5QQCFMI7xwBYPkJRfnyVuHp
-1-4-0 7-0-0 13-8-0 17-0-0 20-4-0 27-0-0 34-0-0 35-4-0
1-4-0 7-0-0 6-8-0 3-4-0 3-4-0 6-8-0 7-0-0 1-4-0
Scale = 1:59.7



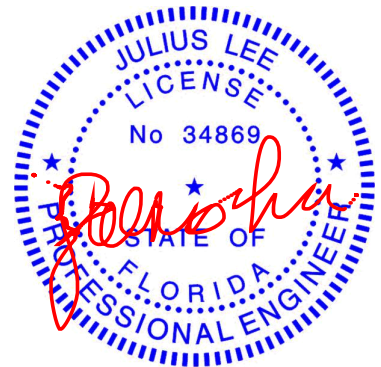
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.21 11-12 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.42 11-12 >953 240				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.10 8 n/a n/a				
BCDL	10.0	Code FBC2023/TP12014		Matrix-S		Wind(LL)	0.14 11-12 >999 240				
								Weight: 410 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 3-5,5-7: 2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-4-13 oc purlins.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=68(LC 26)
Max Uplift 2=271(LC 8), 8=271(LC 8)
Max Grav 2=2932(LC 1), 8=2932(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5890/485, 3-4=-7539/679, 4-5=-7537/678, 5-6=-7537/678, 6-7=-7539/679, 7-8=-5891/485
BOT CHORD 2-13=-354/5186, 12-13=-345/5206, 11-12=-596/7635, 10-11=-345/5206, 8-10=-354/5186
WEBS 3-13=0/725, 3-12=-254/2698, 4-12=-831/271, 6-11=-831/272, 7-11=-254/2698, 7-10=0/725

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
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; 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.
 - 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) except (jt=lb) 2=271, 8=271.



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Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769186
6252401	A25	HIP GIRDER	1	2	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:43 2025 Page 2

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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 455 lb down and 255 lb up at 7-0-0, 134 lb down and 89 lb up at 9-0-12, 134 lb down and 89 lb up at 11-0-12, 134 lb down and 89 lb up at 13-0-12, 134 lb down and 89 lb up at 15-0-12, 134 lb down and 89 lb up at 17-0-0, 134 lb down and 89 lb up at 18-11-4, 134 lb down and 89 lb up at 20-11-4, 134 lb down and 89 lb up at 22-11-4, and 134 lb down and 89 lb up at 24-11-4, and 455 lb down and 255 lb up at 27-0-0 on top chord, and 318 lb down at 7-0-0, 96 lb down at 9-0-12, 96 lb down at 11-0-12, 96 lb down at 13-0-12, 96 lb down at 15-0-12, 96 lb down at 17-0-0, 96 lb down at 18-11-4, 96 lb down at 20-11-4, 96 lb down at 22-11-4, and 96 lb down at 24-11-4, and 318 lb down at 26-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-60, 3-7=-60, 7-9=-60, 2-8=-20

Concentrated Loads (lb)

Vert: 3=-408(B) 5=-134(B) 7=-408(B) 13=-268(B) 10=-268(B) 14=-134(B) 15=-134(B) 16=-134(B) 17=-134(B) 18=-134(B) 19=-134(B) 20=-134(B) 21=-134(B) 22=-48(B) 23=-48(B) 24=-48(B) 25=-48(B) 26=-48(B) 27=-48(B) 28=-48(B) 29=-48(B) 30=-48(B)

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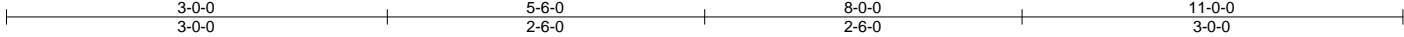
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769187
6252401	B01	Hip Girder	1	1	Job Reference (optional)	

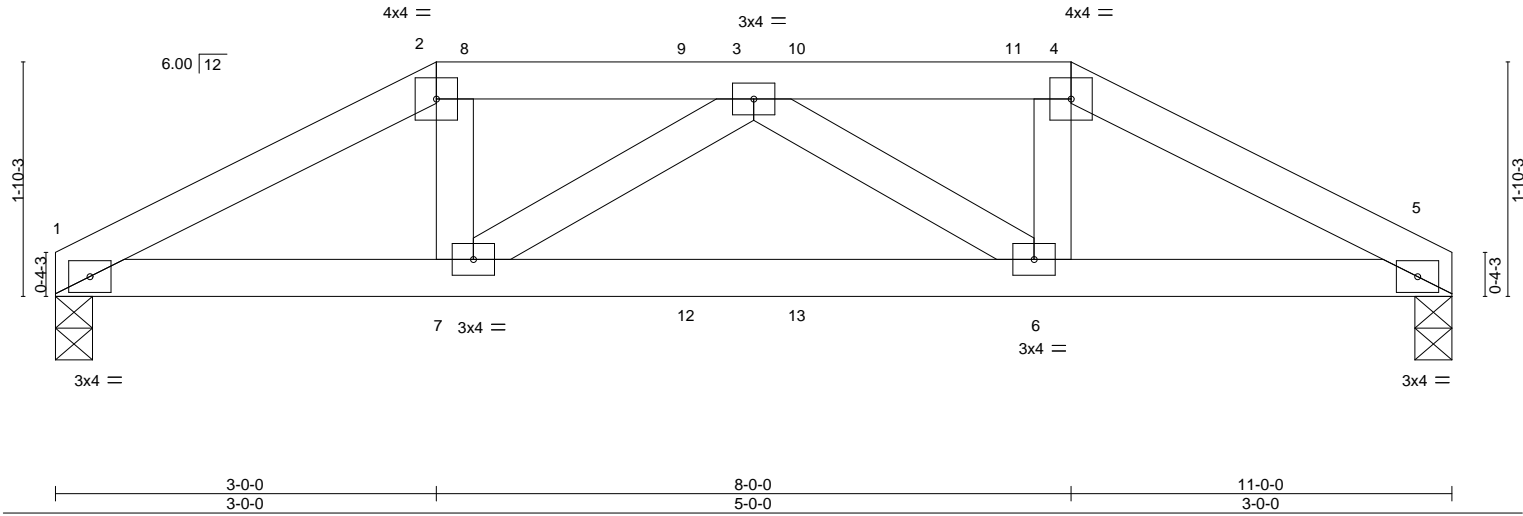
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:43 2025 Page 1

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Scale = 1:18.1



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0 1.25	TC 0.13	Vert(LL) -0.02	6-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.34	Vert(CT) -0.05	6-7	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.06	Horz(CT) 0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL) 0.01	6-7	>999	240	Weight: 46 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.
WEBS 2x4 SP No.2	

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=-25(LC 6)
Max Uplift 1=-17(LC 8), 5=-17(LC 8)
Max Grav 1=469(LC 1), 5=469(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-815/22, 2-3=-710/29, 3-4=-710/29, 4-5=-815/22
BOT CHORD 1-7=-77/02, 6-7=-41/821, 5-6=-1/691
WEBS 2-7=0/255, 4-6=0/255

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); 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) 1, 5.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 137 lb down and 77 lb up at 3-0-0, 51 lb down and 27 lb up at 5-0-12, and 51 lb down and 27 lb up at 5-11-4, and 137 lb down and 77 lb up at 8-0-0 on top chord, and 38 lb down at 3-0-0, 16 lb down at 5-0-12, and 16 lb down at 5-11-4, and 38 lb down at 7-11-4 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: 1-2=-60, 2-4=-60, 4-5=-60, 1-5=-20
Concentrated Loads (lb)
Vert: 2=-13(B) 4=-13(B) 7=-19(B) 6=-19(B) 9=-0(B) 10=-0(B) 12=-8(B) 13=-8(B)



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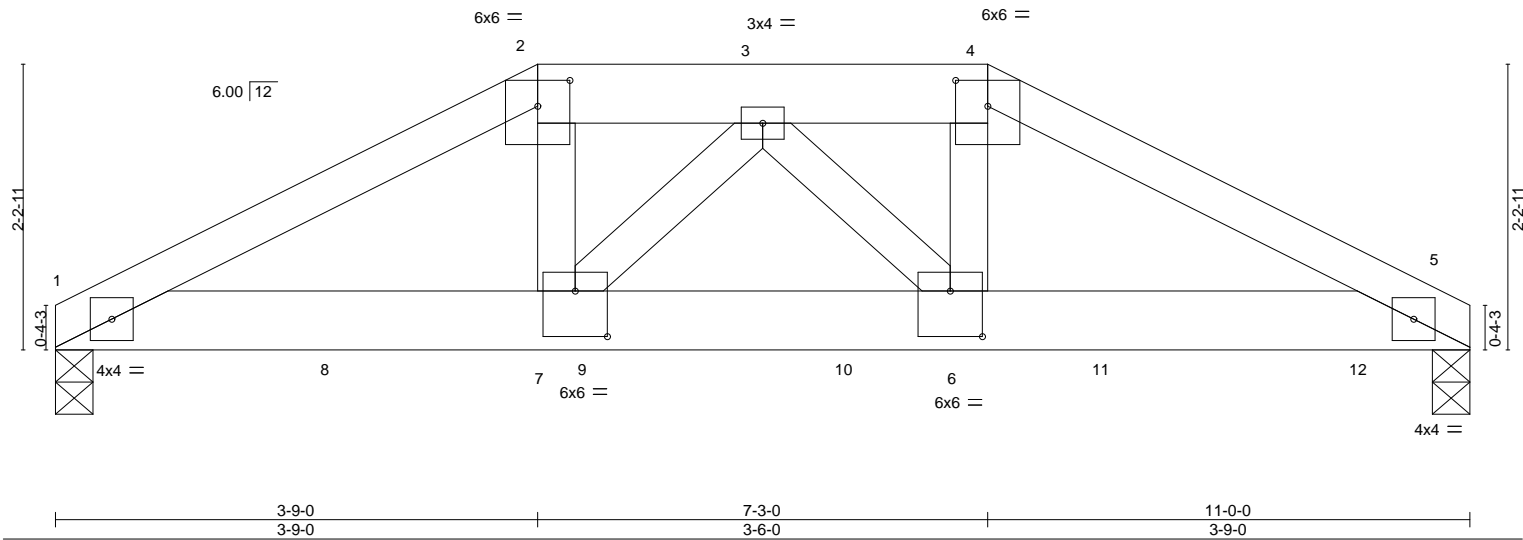
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769188
6252401	B02	Hip Girder	1	2	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:44 2025 Page 1
ID:y6bLPA9E28Lf1kUn2vm8QUz1P?1-ncHueKQl6lwhUuVgpRm8ArVeE9NuPq_qs2oYkfyVuHn

Scale = 1:17.9



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.05	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.10				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.03				
BCDL	10.0	Code FBC2023/TP12014		Matrix-S		Wind(LL)	0.03				
										Weight: 113 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 2-4: 2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-9-13 oc purlins.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS.	
(size)	1=0-3-8, 5=0-3-8
Max Horz	1=-30(LC 25)
Max Uplift	1=-153(LC 8), 5=-193(LC 8)
Max Grav	1=3305(LC 1), 5=4176(LC 1)

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-2=-6070/287, 2-3=-5602/278, 3-4=-5694/280, 4-5=-6164/288
BOT CHORD	1-7=-229/5404, 6-7=-240/5639, 5-6=-231/5494
WEBS	2-7=-85/2497, 4-6=-85/2527

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 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; 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.
 - 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) except (jt=lb) 1=153, 5=193.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1335 lb down and 71 lb up at 2-2-12, 1335 lb down and 71 lb up at 4-2-12, 1438 lb down and 68 lb up at 6-2-12, and 1312 lb down and 67 lb up at 8-2-12, and 1304 lb down and 69 lb up at 10-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard October 7, 2025

Continued on page 2

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Date:

October 7, 2025

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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769188
6252401	B02	Hip Girder	1	2	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:44 2025 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: 1-2=-60, 2-4=-60, 4-5=-60, 1-5=-20
- Concentrated Loads (lb)
Vert: 8=-1335(F) 9=-1335(F) 10=-1340(F) 11=-1312(F) 12=-1304(F)

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

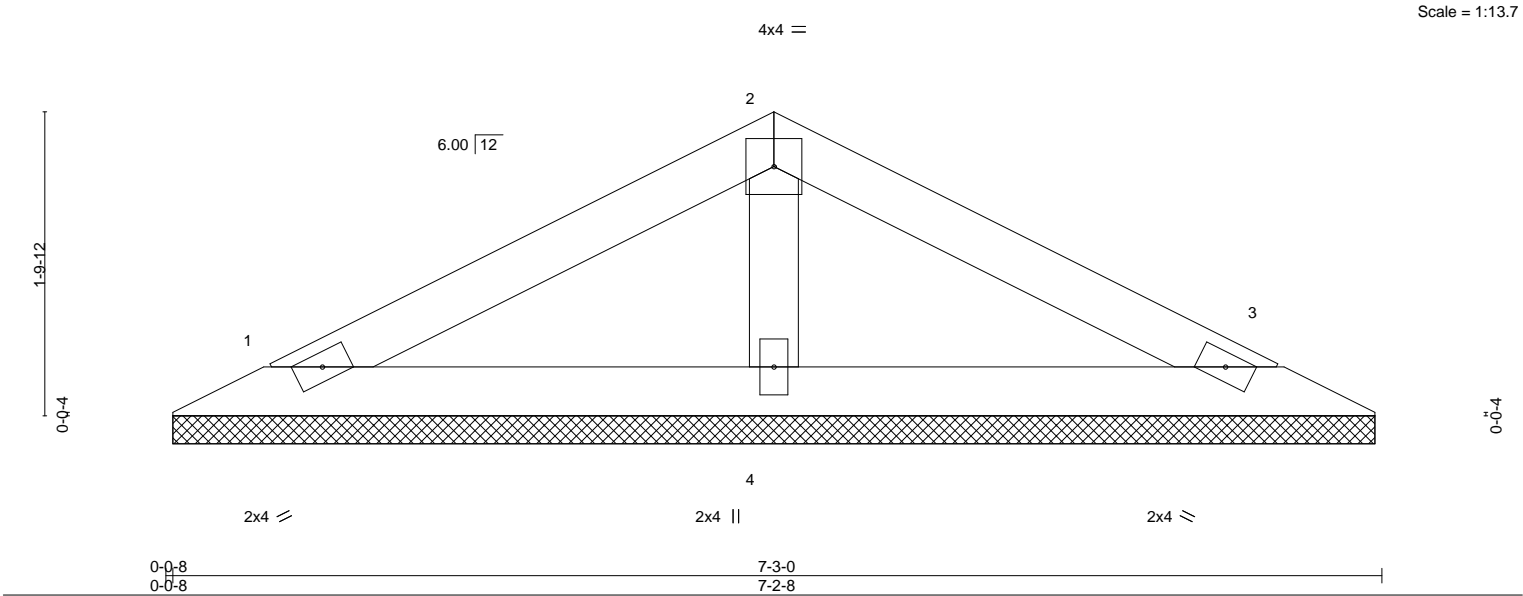
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769189
6252401	BV1	Valley	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:44 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-ncHueKQl6lwHUuVgpRm8ArVga9biPu1qs2oYkfyVuHn
3-7-8 3-7-8 7-3-0 3-7-8



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.09	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P						Weight: 22 lb	FT = 20%

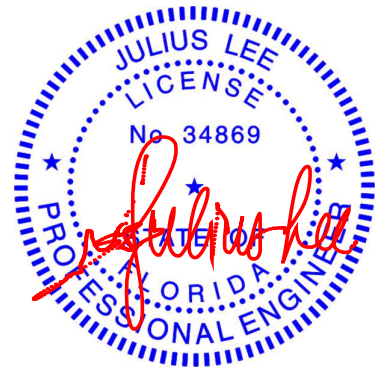
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2	

REACTIONS. (size) 1=7-2-0, 3=7-2-0, 4=7-2-0
Max Horz 1=25(LC 11)
Max Uplift 1=15(LC 12), 3=15(LC 12)
Max Grav 1=121(LC 1), 3=121(LC 1), 4=237(LC 1)

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; 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- 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) 1, 3.



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

October 7, 2025

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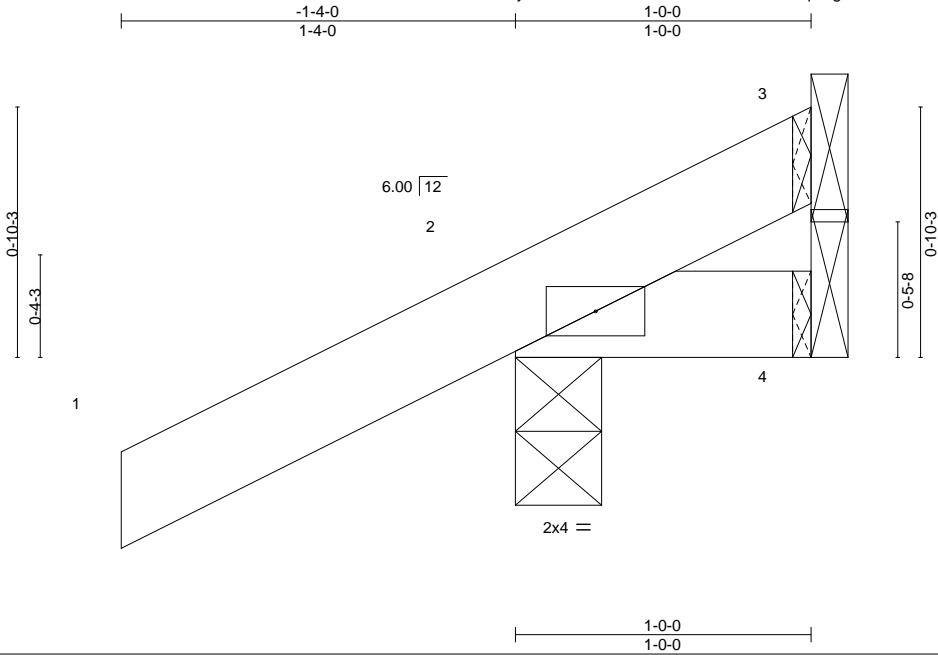
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769190
6252401	C1	CORNER JACK	16	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:45 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-FoqGsgQNtc28624tN8HNj32s1ZyC8Lh_5iY5G6yVuHm



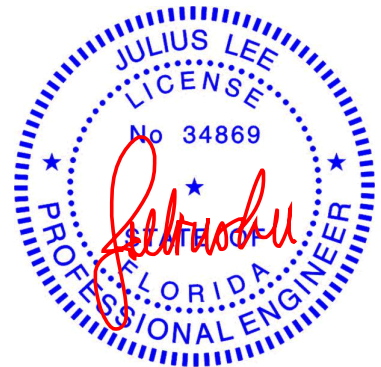
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.12	Vert(LL) -0.00	2	>999	360	MT20 244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.01	Vert(CT) -0.00	2	>999	240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00	3	n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL) 0.00	2	****	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=0-3-8, 4=Mechanical
Max Horz 2=36(LC 12)
Max Uplift 3=-29(LC 1), 2=-71(LC 12)
Max Grav 3=24(LC 12), 2=178(LC 1), 4=19(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 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.



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Date:

October 7,2025

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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769191
6252401	C1E	CORNER JACK	4	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:45 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-FoqGsgQNTc28624tN8HNj32n5Zul8Lh_5iY5G6yVuHm

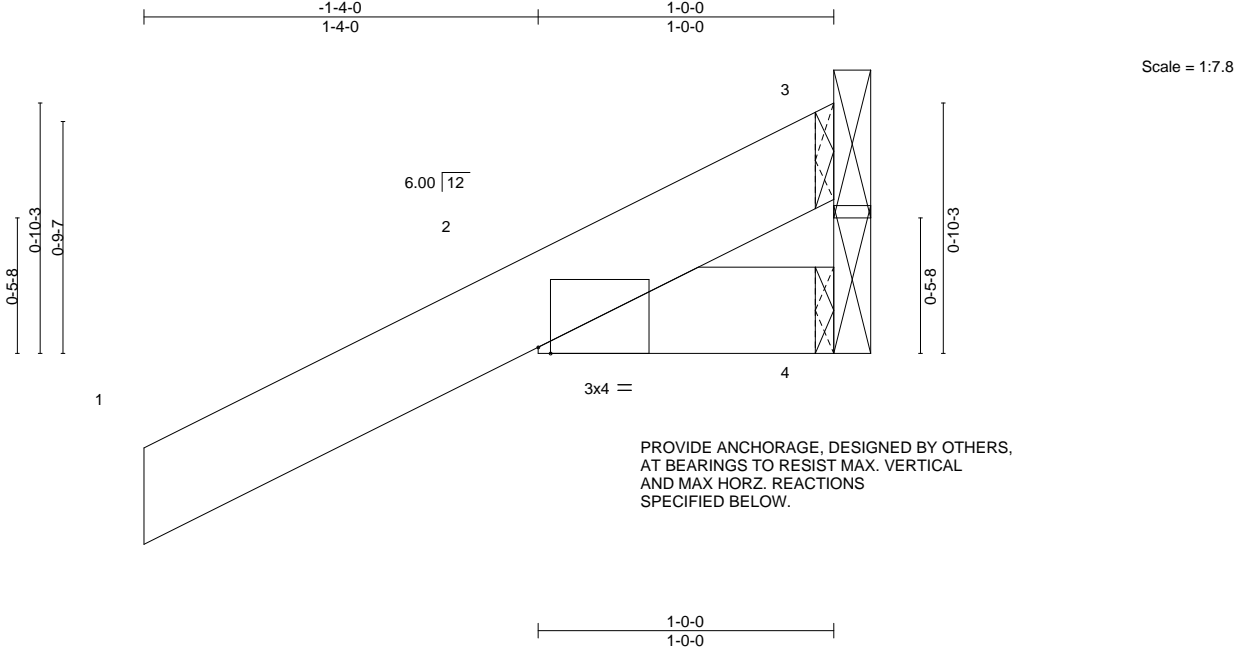


Plate Offsets (X,Y)-- [2:0-0-8,Edge]											
LOADING (psf)		SPACING-		CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	0.00	2	n/r	120	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.01	2	n/r	120	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-P							
										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 6-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 4=Mechanical
Max Horz 3=322(LC 1), 4=-322(LC 1)
Max Uplift 4=-58(LC 12)
Max Grav 4=159(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-311/281
BOT CHORD 2-4=-322/425

- 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) 4.

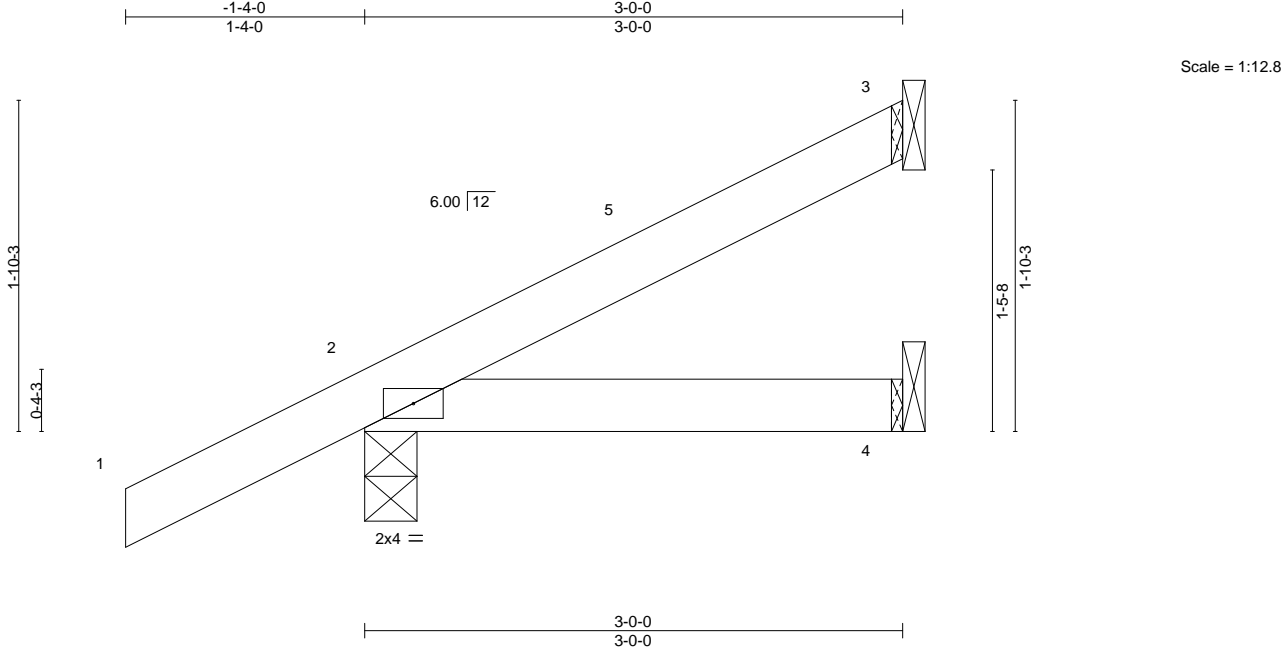


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Date:

October 7,2025

Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769192
6252401	C3	CORNER JACK	12	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:45 2025 Page 1
ID:y6bLPA9E28LfkUn2vm8QUz1P?1-FoqGsgQNtc28624tN8HNj32rkZxz8Lh_5iY5G6yVuHm



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 0.14	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	-0.01	2-4	>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-P	Vert(LL)	0.00	2	****	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=-18(LC 12), 2=-50(LC 12)
Max Grav 3=60(LC 1), 2=224(LC 1), 4=56(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.



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October 7,2025

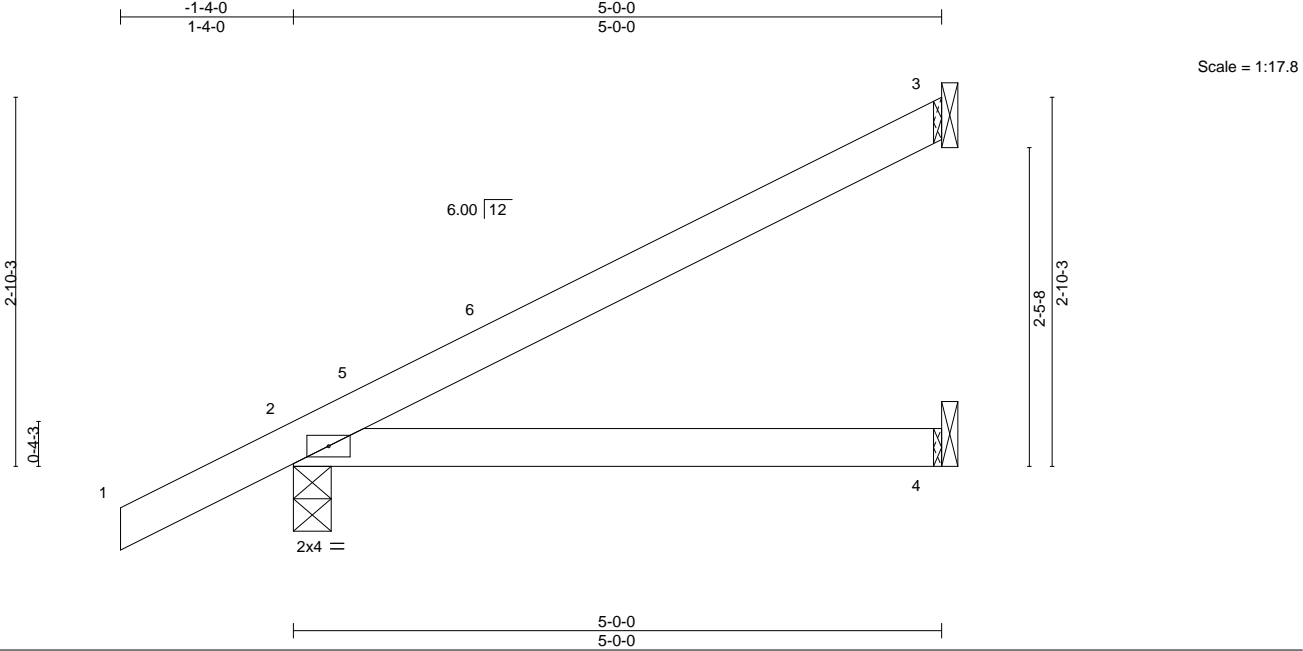
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769193
6252401	C5	CORNER JACK	10	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:46 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-j_Oe30R?ewA?kCf3xsocFGazJzE9tox7KMHfoYyVuHl



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2'-0-0	TC 0.34	Vert(LL)	-0.03	2-4	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.28	Vert(CT)	-0.06	2-4	>909		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Wind(LL)	0.00	2	****	Weight: 18 lb	FT = 20%
	Code FBC2023/TPI2014							

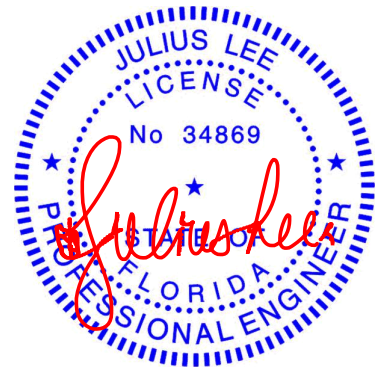
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5'-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=83(LC 12)
Max Uplift 3=-45(LC 12), 2=-42(LC 12)
Max Grav 3=130(LC 1), 2=294(LC 1), 4=96(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:

October 7,2025

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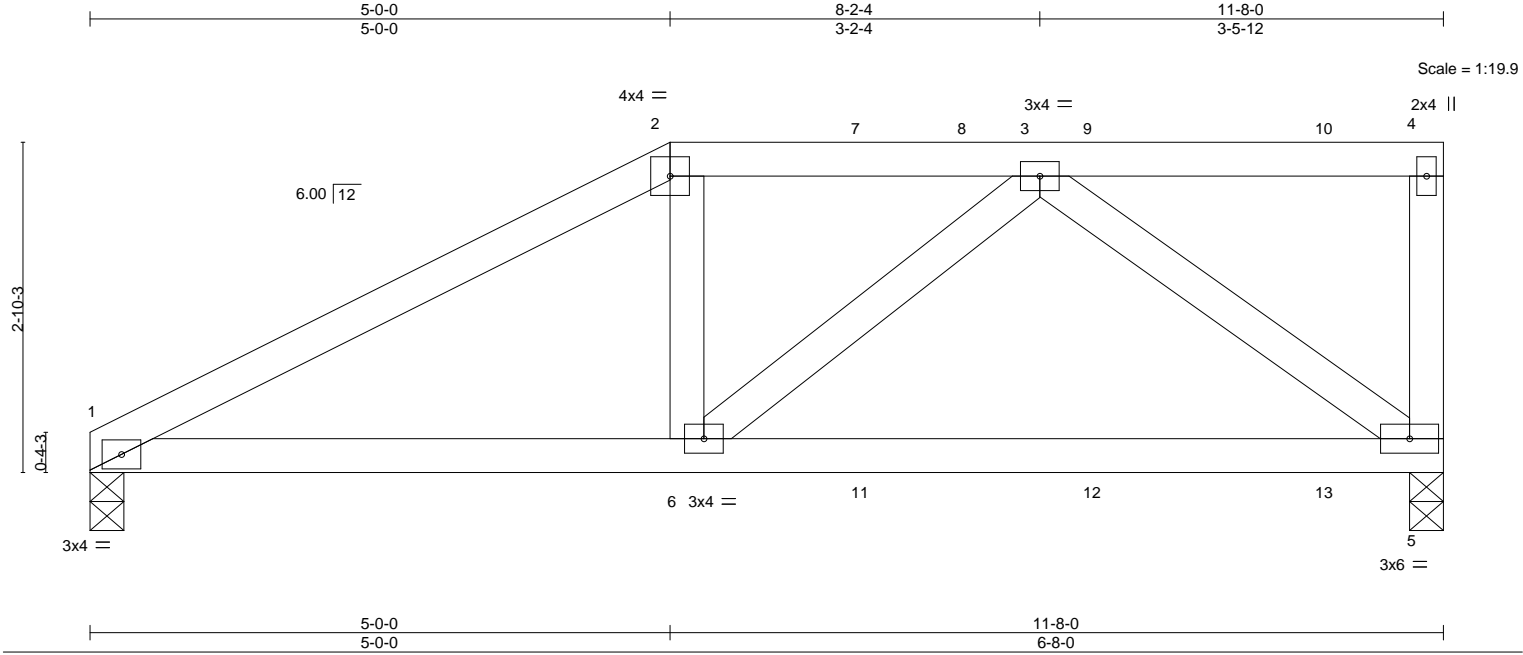
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769194
6252401	D01	Roof Special Girder	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:46 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-j_Oe30R?ewA?kCf3xsocFGay6z8rtkR7KMHfoYyVuHl



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.42	Vert(LL)	-0.08	5-6	>999	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.69	Vert(CT)	-0.17	5-6	>795		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.29	Horz(CT)	0.02	5	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL)	0.02	1-6	>999	Weight: 54 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-8-8 oc purlins, except end verticals.
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) 1=0-3-8, 5=0-3-8
Max Horz 1=61(LC 27)
Max Uplift 1=-58(LC 8), 5=-82(LC 8)
Max Grav 1=706(LC 1), 5=818(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1234/101, 2-3=-1037/104
BOT CHORD 1-6=-112/1035, 5-6=-118/768
WEBS 3-6=0/385, 3-5=-920/160

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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.
 - 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) 1, 5.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 291 lb down and 197 lb up at 5-0-0, 85 lb down and 64 lb up at 6-8-12, and 85 lb down and 64 lb up at 8-8-12, and 83 lb down and 63 lb up at 10-8-12 on top chord, and 134 lb down at 5-0-0, 56 lb down at 6-8-12, and 56 lb down at 8-8-12, and 60 lb down at 10-8-12 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: 1-2=-60, 2-4=-60, 1-5=-20

Concentrated Loads (lb)

Vert: 2=-244(B) 6=-67(B) 7=-70(B) 9=-70(B) 10=-76(B) 11=-28(B) 12=-28(B) 13=-30(B)



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October 7,2025

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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769195
6252401	D02	Half Hip Girder	1	2	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:50 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-cme9vNUWi8hQCpzqAhtYQ6IfPaQUpUfjFzFsxJyVuHh

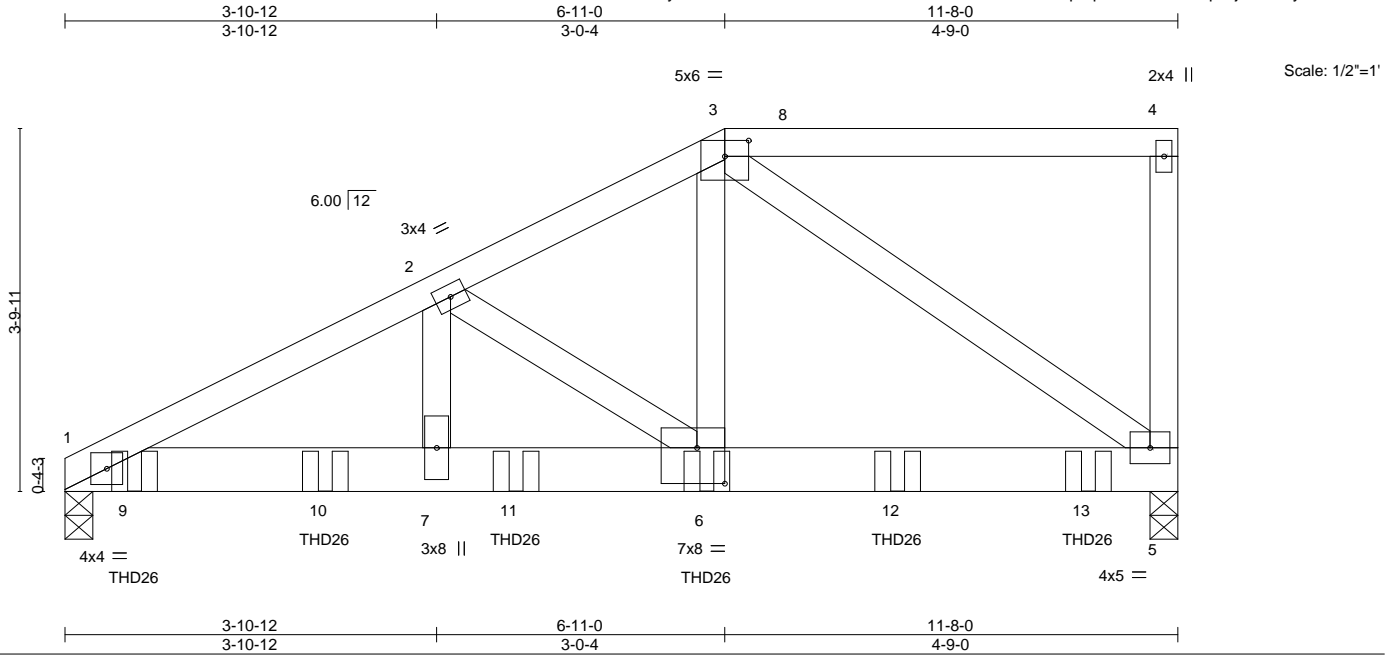


Plate Offsets (X,Y)--		[3:0-3-0,0-2-0], [6:0-3-8,0-4-8]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.33	Vert(LL) -0.06 5-6 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.96	Vert(CT) -0.11 5-6 >999 240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.53	Horz(CT) 0.03 5 n/a n/a		
BCDL 10.0	Code FBC2023/TP12014	Matrix-S	Wind(LL) 0.03 5-6 >999 240	Weight: 140 lb	FT = 20%

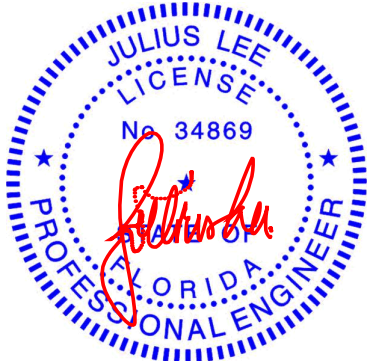
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-10-5 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=82(LC 27)
Max Uplift 1=179(LC 8), 5=239(LC 8)
Max Grav 1=4151(LC 1), 5=4015(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5970/294, 2-3=-4018/218
BOT CHORD 1-7=-317/5296, 6-7=-317/5296, 5-6=-200/3395
WEBS 2-7=-50/1829, 2-6=-2074/131, 3-6=-181/4016, 3-5=-4108/239

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-3-0 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; 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.
 - 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) except (jt=lb) 1=179, 5=239.
 - Use MiTek THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-8-12 from the left end to 10-8-12 to connect truss(es) to front face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.

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



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

October 7, 2025

Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769195
6252401	D02	Half Hip Girder	1	2	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:50 2025 Page 2
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-cme9vNUWi8hQCpzqAhtYQ6IfPaQUpUfjFzFsxJyVuHh

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 1-5=-20
Concentrated Loads (lb)
Vert: 6=-1210(F) 9=-1218(F) 10=-1206(F) 11=-1210(F) 12=-1210(F) 13=-1202(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 Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:50 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-cme9vNUW8hQCpZqAhtYQ6lgsaZMpcFJfZFsxJyVuHh

-1-4-0	3-0-0	5-0-0	8-0-0	9-4-0
1-4-0	3-0-0	2-0-0	3-0-0	1-4-0

[illegible]

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.
WEBS	2x4 SP No.2		
WEDGE			
Left: 2x4 SP No.2 , Right: 2x4 SP No.2			

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-694/205, 3-4=-583/190, 4-5=-695/206
 BOT CHORD 2-8=-157/567, 7-8=-162/583, 5-7=-156/568

- 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=24ft; eave=4ft; Cat. II; Exp B; Encl. G Cp=0.18; MWFRS (directional); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) 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) except (jt=lb) 2=174, 5=174.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 129 lb down and 82 lb up at 3-0-0, and 129 lb down and 82 lb up at 5-0-0 on top chord, and 115 lb down and 79 lb up at 3-0-0, and 115 lb down and 79 lb up at 4-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-6=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 3=-19(F) 4=-19(F) 8=-115(F) 7=-115(F)



October 7, 2025

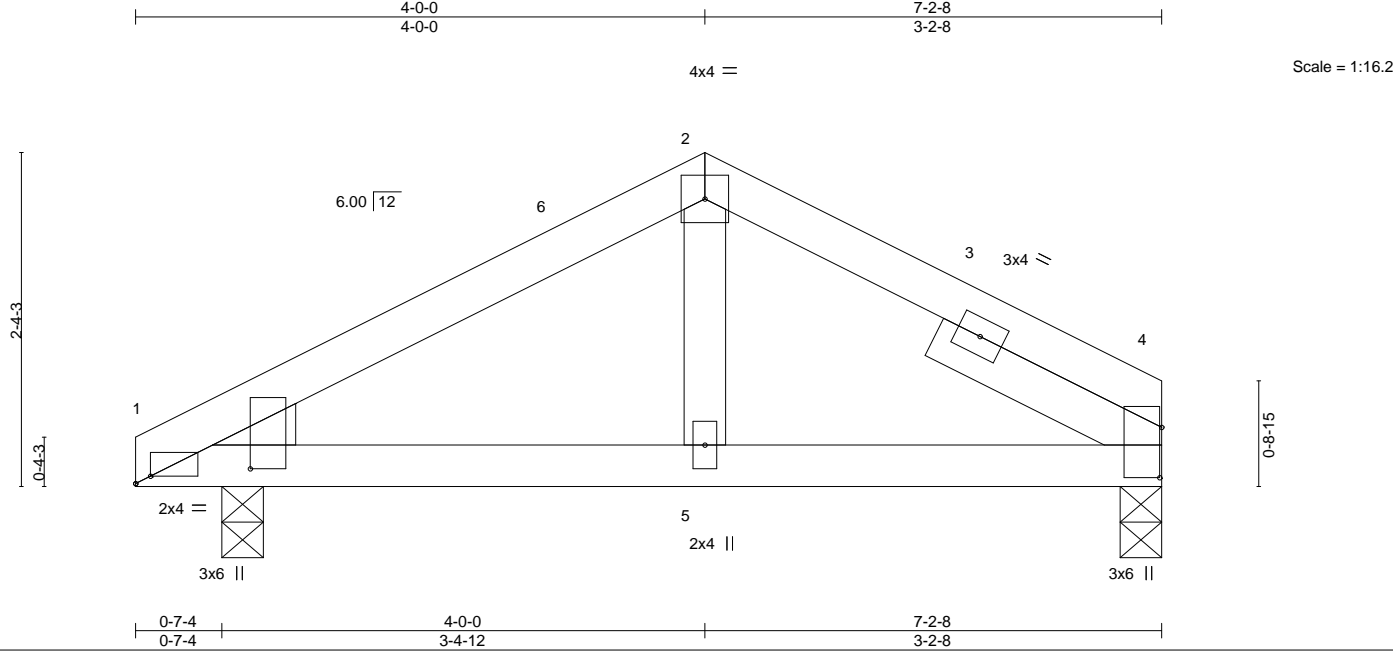


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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769197
6252401	E02	Common	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:51 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-4yCX6jV8SSpHqzY0jPonyJlrc_vvY3ZsTd?QTlyVuHg



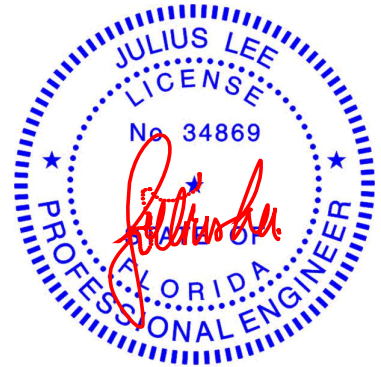
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.30	Vert(LL)	-0.01	1-5	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.44	Vert(CT)	-0.02	1-5	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.01	1-5	>999	240	Weight: 29 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.
WEBS 2x4 SP No.2	
WEDGE	
Left: 2x4 SP No.2	
SLIDER Right 2x4 SP No.2 1-9-4	

REACTIONS. (size) 4=0-3-8, 1=0-3-8
Max Horz 1=-34(LC 10)
Max Uplift 4=-73(LC 12), 1=-73(LC 12)
Max Grav 4=283(LC 1), 1=283(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-333/259, 2-4=-350/269
BOT CHORD 1-5=-141/256, 4-5=-141/256

- 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 0-1-12 to 3-1-12, Zone1 3-1-12 to 4-0-0, Zone3 4-0-0 to 7-2-8 zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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) 4, 1.



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Date:

October 7,2025

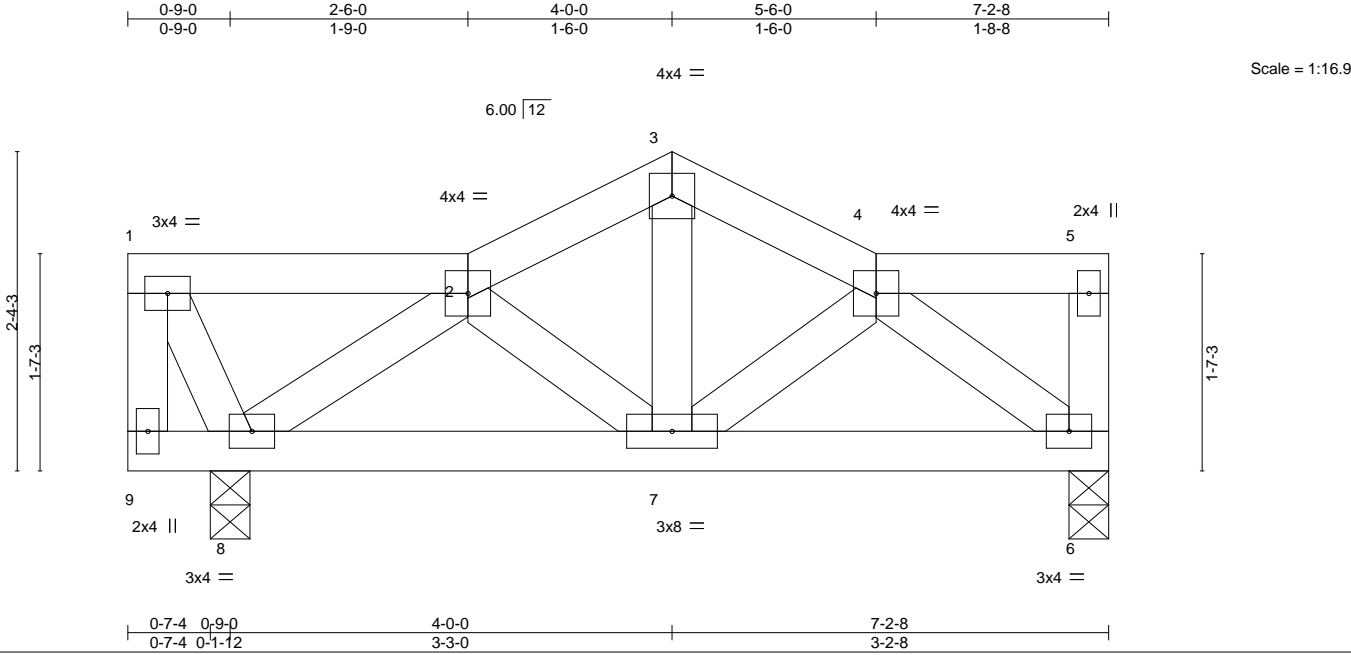
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769198
6252401	E03	Roof Special	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:51 2025 Page 1
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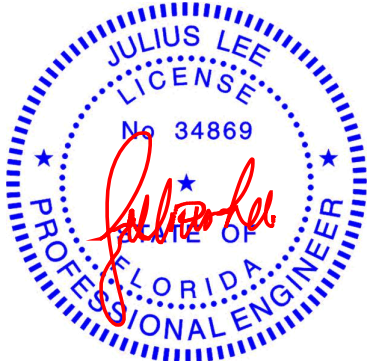
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.09	Vert(LL) -0.00	6-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.11	Vert(CT) -0.01	6-7	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.04	Horz(CT) 0.00	6	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL) 0.00	6-7	>999	240	Weight: 40 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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) 6=0-3-8, 8=0-3-8
Max Horz 8=12(LC 11)
Max Uplift 6=-64(LC 12), 8=-79(LC 12)
Max Grav 6=247(LC 1), 8=307(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-311/254, 4-6=-273/200

- 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 0-1-12 to 2-6-0, Zone1 2-6-0 to 4-0-0, Zone3 4-0-0 to 5-6-0, Zone1 5-6-0 to 7-0-12 zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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) 6, 8.

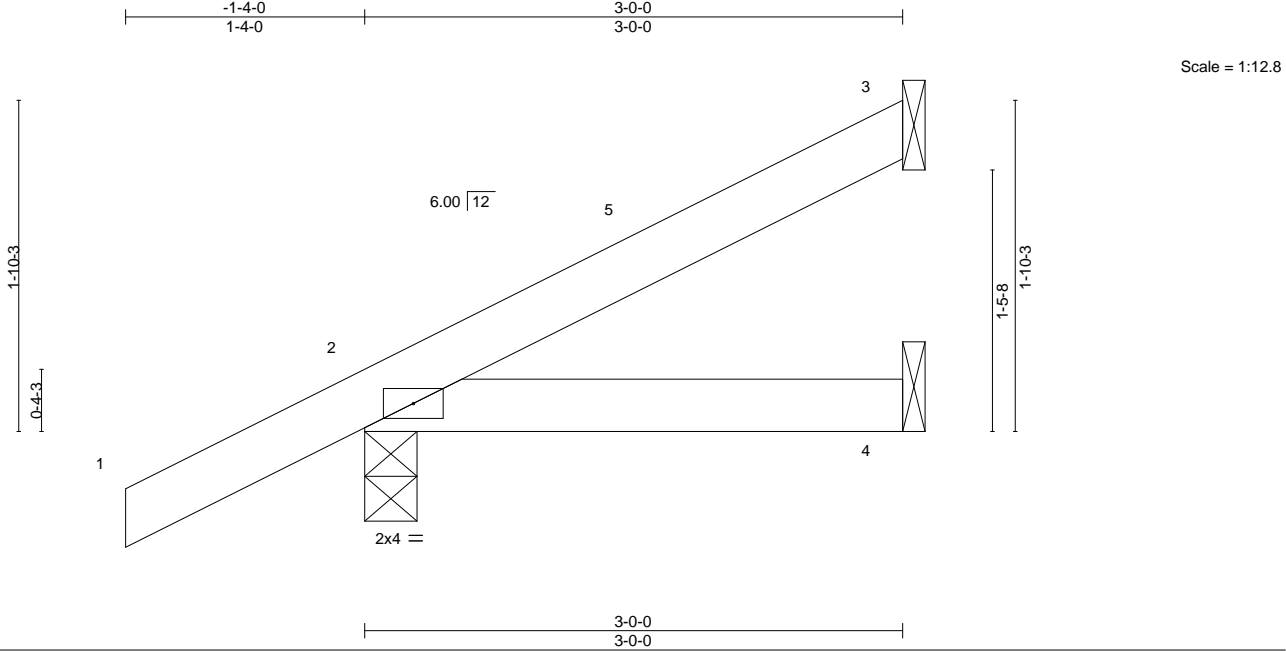


Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

October 7,2025

Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769199
6252401	E3	JACK-OPEN	4	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:53 2025 Page 1
ID:y6bLPA9E28LflkUn2vm8QUz1P?1-0LJIXPWO_33?3HhPrqQF1kNCjogr0zg9xxUWYeyVuHe



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 0.14	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	-0.01	2-4	>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-P	Wind(LL)	0.00	2	****	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=-18(LC 12), 2=-50(LC 12)
Max Grav 3=60(LC 1), 2=224(LC 1), 4=56(LC 3)

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

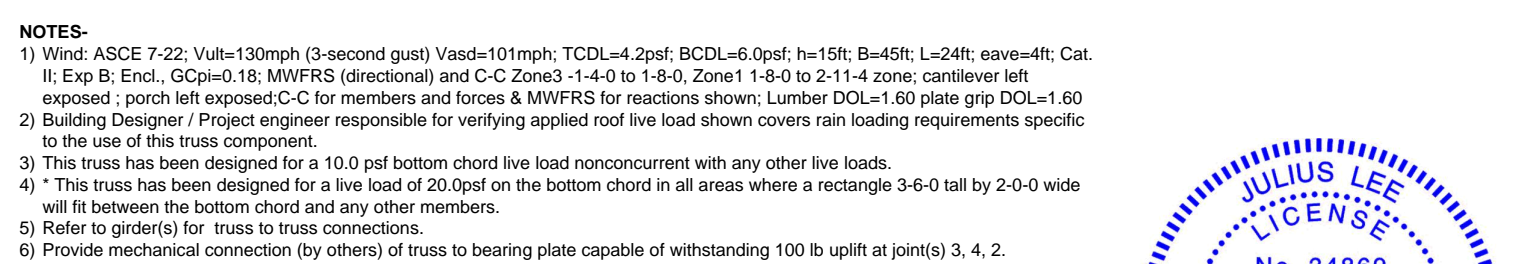
- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 2-11-4 zone; cantilever left and right exposed ;C-C for members and 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
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Date:

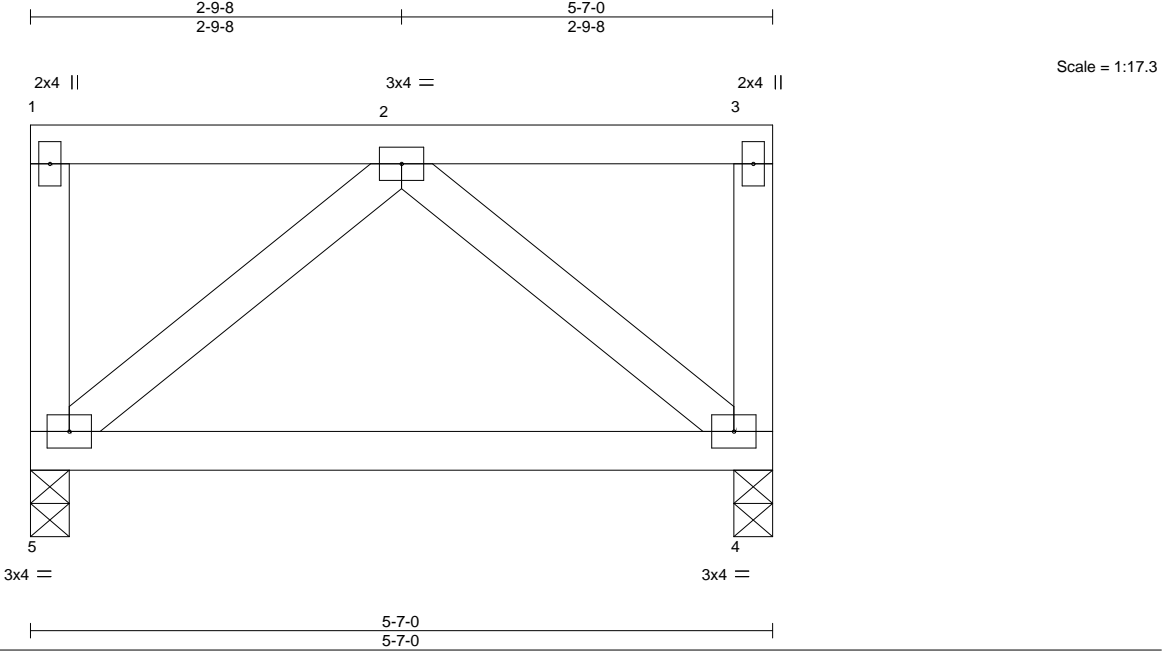
October 7,2025

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:53 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-0LJXPWO_33?3HhPrqQF1kNBkogr0z9xxUWYeyVvuHe
-1-4-0 3-0-0
1-4-0 3-0-0



Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769201
6252401	E04	Flat	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:52 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-Y8mvK3WmDmx8S77DH6v0VXq3eOGNHwv0iHkz0CyVuHf



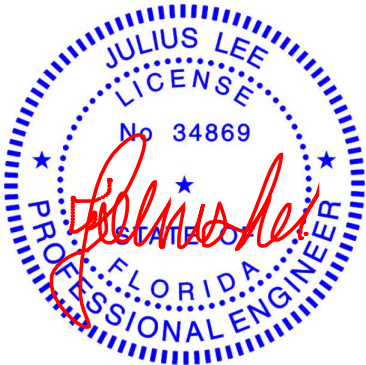
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.09	Vert(LL)	-0.05	4-5	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.36	Vert(CT)	-0.09	4-5	>675	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.04	4-5	>999	240	Weight: 32 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins, except end verticals.
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) 5=0-3-8, 4=0-3-8
Max Uplift 5=-60(LC 8), 4=-60(LC 8)
Max Grav 5=212(LC 1), 4=212(LC 1)

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=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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) 5, 4.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 7,2025

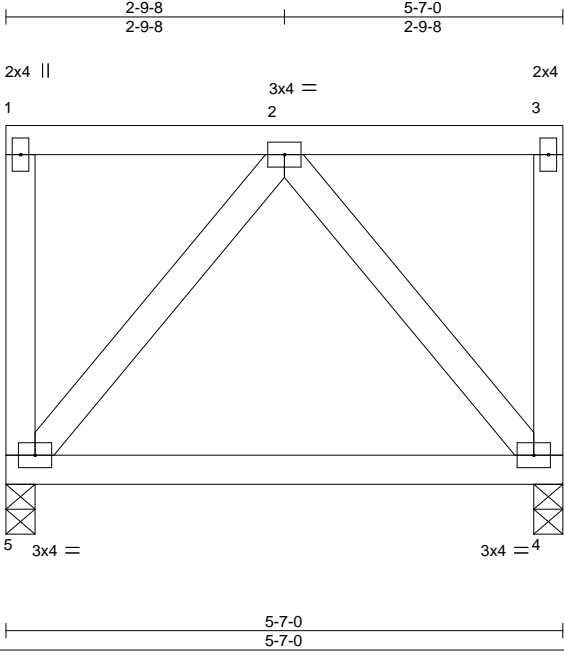
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769202
6252401	E05	Flat	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),Ocala, FL - 34472,8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:52 2025 Page 1

ID:y6bLPA9E28LflkUn2vm8QUz1P?1-Y8mvK3WmDmx8S77DH6v0VXq3cOGPHWp0iHkz0CyVuHf



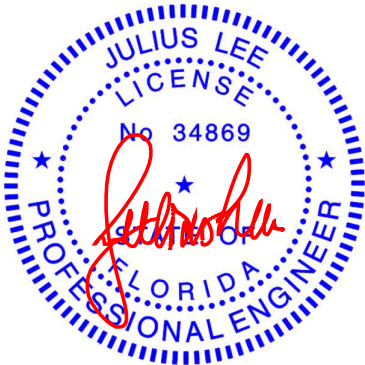
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.10	Vert(LL) -0.05 4-5 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.36	Vert(CT) -0.09 4-5 >675 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.04	Horz(CT) 0.00 4 n/a n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL) 0.04 4-5 >999 240	Weight: 37 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins, except end verticals.
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) 5=0-3-8, 4=0-3-8
Max Uplift 5=-60(LC 8), 4=-60(LC 8)
Max Grav 5=212(LC 1), 4=212(LC 1)

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=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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) 5, 4.



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Date:

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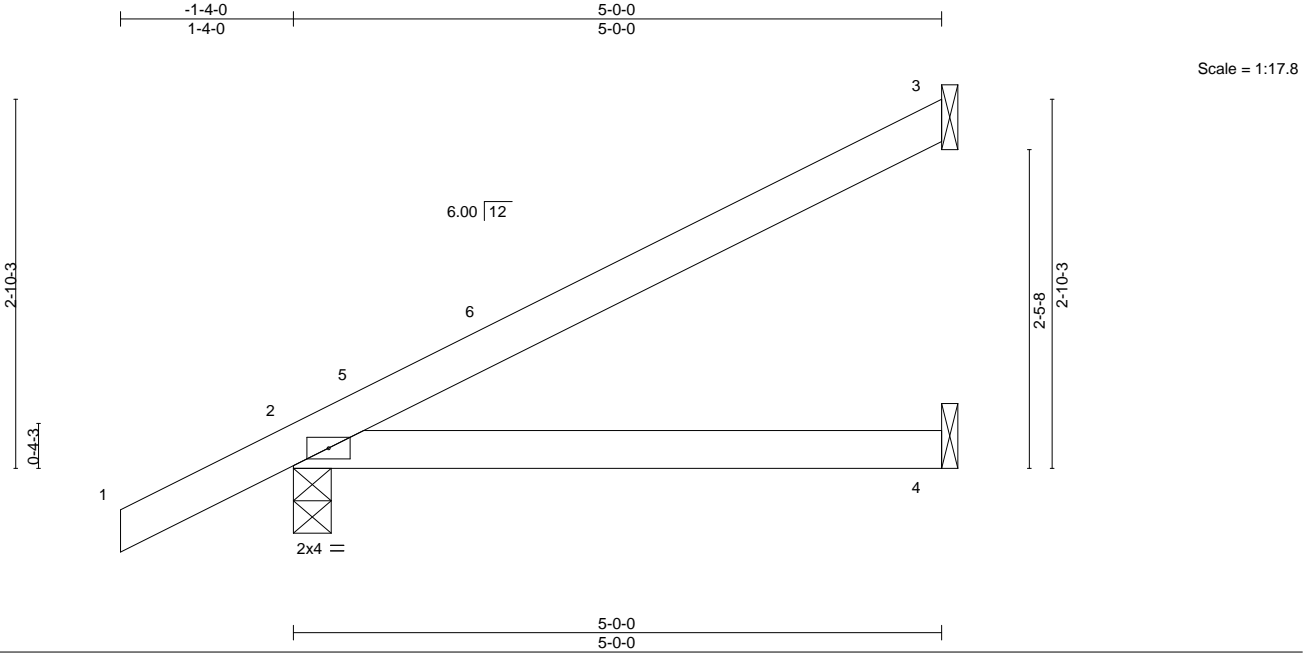
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769203
6252401	E5	JACK-OPEN	4	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:53 2025 Page 1
ID:y6bLPA9E28LfikUn2vm8QUz1P?1-0LJIXPWO_33?3HhPrqQF1kN9Yodo0zg9xxUWYeyVuHe



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.34	Vert(LL)	-0.03	2-4	>999	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.28	Vert(CT)	-0.06	2-4	>909		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL)	0.00	2	****	Weight: 18 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 10-0-0 oc bracing.

REACTIONS.	(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz	2=83(LC 12)
Max Uplift	3=-45(LC 12), 2=-42(LC 12)
Max Grav	3=130(LC 1), 2=294(LC 1), 4=96(LC 3)

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



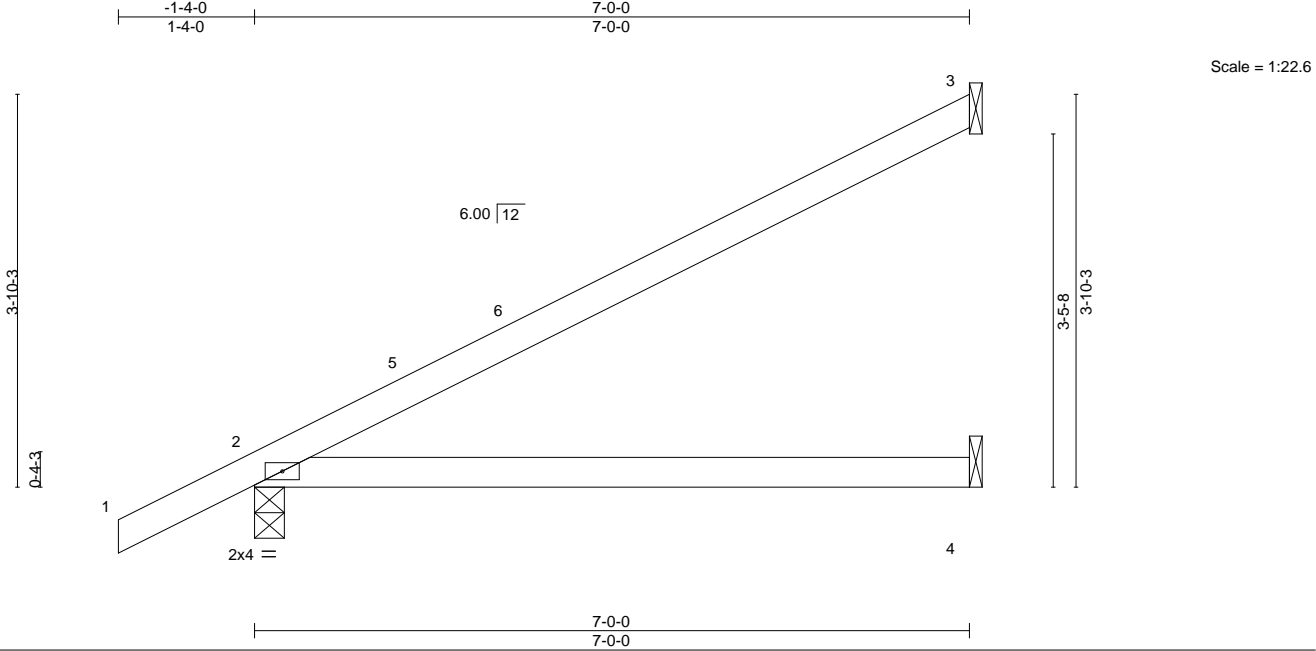
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 7,2025

Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769204
6252401	E7	JACK-OPEN	29	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),Ocala, FL - 34472,8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:54 2025 Page 1

ID:y6bLPA9E28Lf1kUn2vm8QUz1P?1-UXtgllX0lNBshQGbPXxUayvD4Bt0lQwJAbD444yVuHd



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 0.80	Vert(LL)	-0.13	2-4	>639	360	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.60	Vert(CT)	-0.26	2-4	>319	240	244/190
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-P	Wind(LL)	0.00	2	****	240	Weight: 24 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.

REACTIONS.	(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
	Max Horz 2=107(LC 12)
	Max Uplift 3=-69(LC 12), 2=-37(LC 12)
	Max Grav 3=194(LC 1), 2=370(LC 1), 4=136(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) 3, 2.

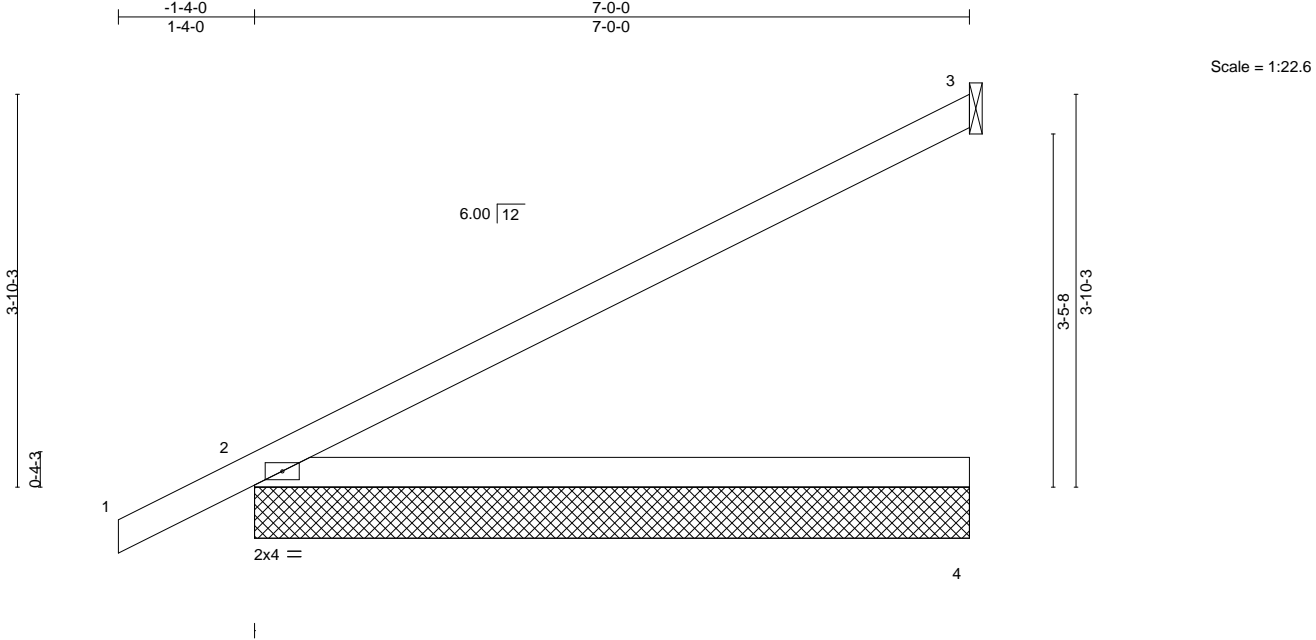


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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769205
6252401	E77	MONOPITCH SUPPORTED	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:54 2025 Page 1
ID:y6bLPA9E28Lf1kUn2vm8QUz1P?1-UXtgllX0lNBshQGbPXxUayvBIBsNIQwJAbD444yVuHd



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 0.95	Vert(LL)	-0.14	2-4	>578	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.65	Vert(CT)	-0.29	2-4	>289	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-P	Wind(LL)	0.00	2	****	240	Weight: 24 lb	FT = 20%

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

REACTIONS.	All bearings 7-0-0.
(lb) - Max Horz 2=107(LC 12)	
Max Uplift All uplift 100 lb or less at joint(s) 3, 2	
Max Grav All reactions 250 lb or less at joint(s) 3, 3, 4 except 2=366(LC 1)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
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- 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=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
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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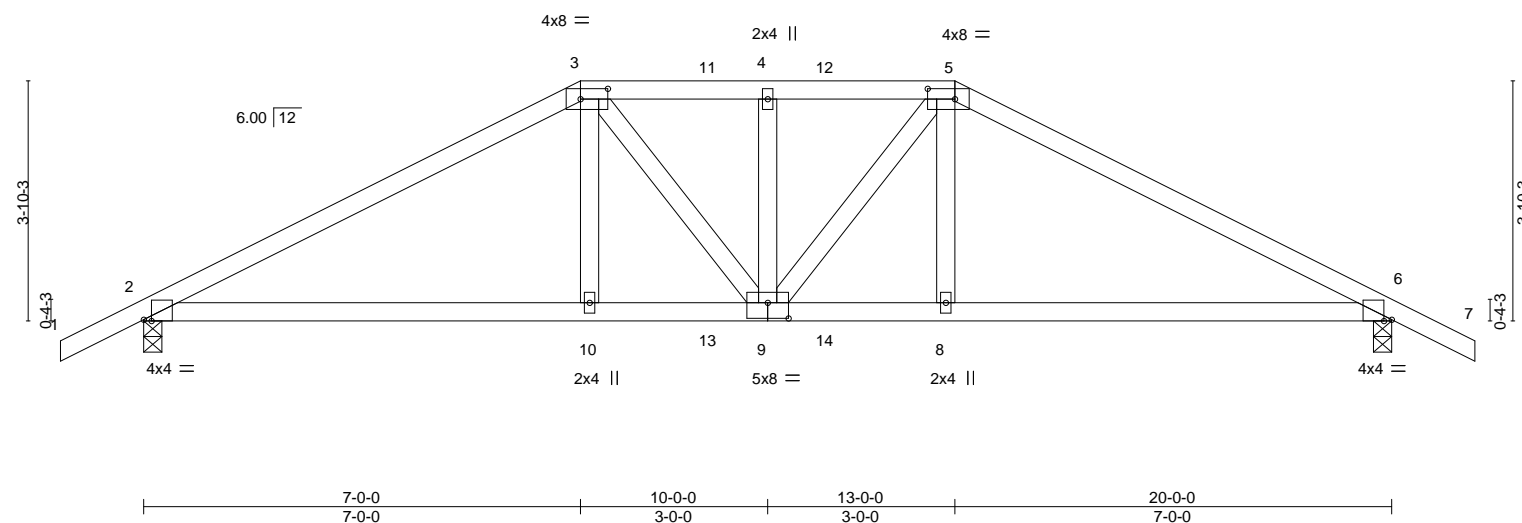
October 7,2025

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ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-yjR2y5YfWWhJjJaroyFSj79SNhb8GUr_SOFzddXyVuHc
-1-4-0 7-0-0 10-0-0 13-0-0 20-0-0 21-4-0
1-4-0 7-0-0 3-0-0 3-0-0 7-0-0 1-4-0
Scale = 1:36.9



LUMBER-		BRACING-	
TOP CHORD	2x4 SP M 31 or 2x4 SP SS *Except* 3-5: 2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3119/239, 3-4=-2857/258, 4-5=-2857/258, 5-6=-3119/239
 BOT CHORD 2-10=-134/2687, 9-10=-127/274, 8-9=-125/2704, 6-8=-132/2687
 WEBS 3-10=0/620, 3-9=-104/323, 4-9=-347/128, 5-9=-104/323, 5-8=0/620

- 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=24ft; eave=4ft; Cat. II; Exp B; Encl. G-Cpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) 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) except (jt=lb) 2=161, 6=161.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 455 lb down and 255 lb up at 7-0-0, 134 lb down and 89 lb up at 9-0-12, and 134 lb down and 89 lb up at 10-11-4, and 455 lb down and 255 lb up at 13-0-0 on top chord, and 318 lb down at 7-0-0, 96 lb down at 9-0-12, and 96 lb down at 10-11-4, and 318 lb down at 12-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 5-7=-60, 2-6=-20
Concentrated Loads (lb)
Vert: 3=-408(F) 5=-408(F) 10=-268(F) 8=-268(F) 11=-134(F) 12=-134(F) 13=-48(F) 14=-48(F)



October 7, 2025



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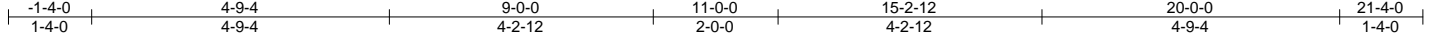
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769207
6252401	G02	HIP	1	1	Job Reference (optional)	

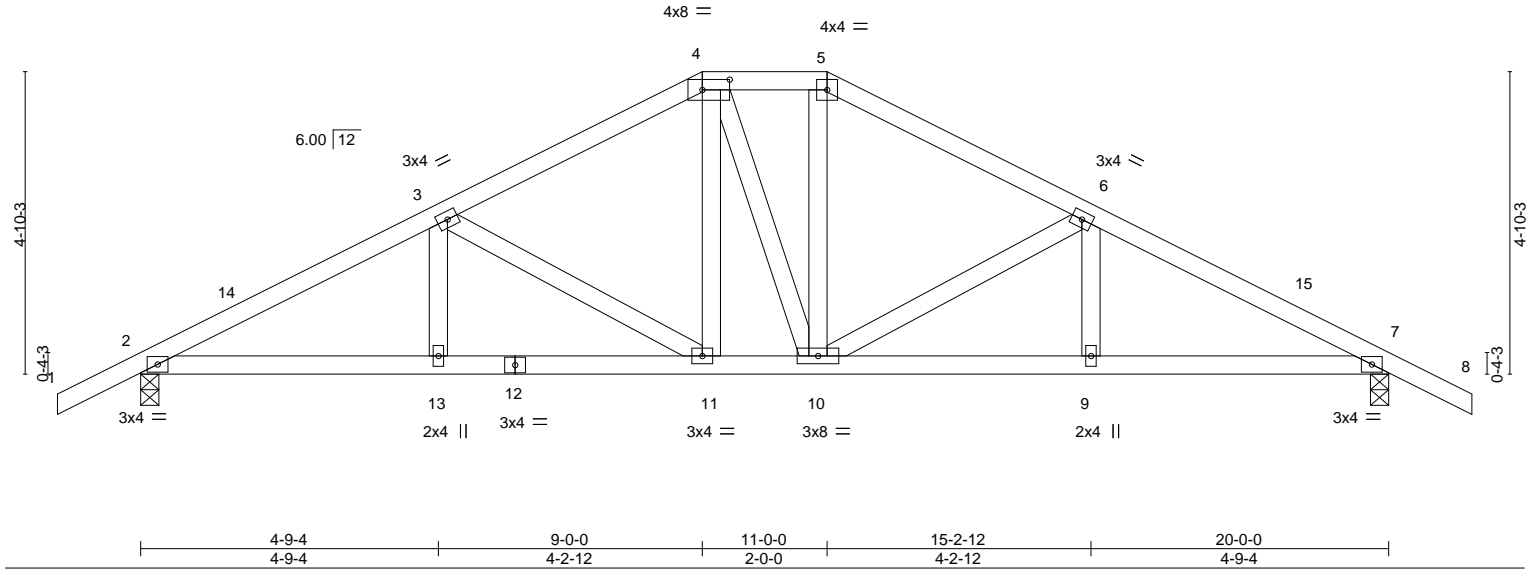
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

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Scale = 1:36.9



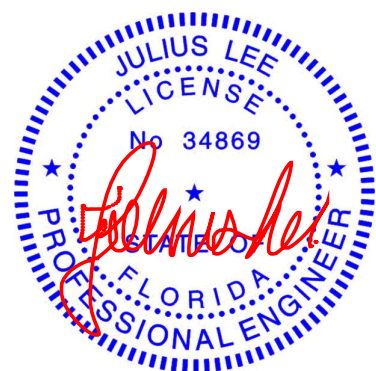
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	-0.04 11 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.09 11-13 >999 240				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.04 7 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.02 11 >999 240				
								Weight: 107 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-10-3 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=0-3-8, 7=0-3-8
Max Horz 2=-85(LC 10)
Max Uplift 2=-76(LC 12), 7=-76(LC 12)
Max Grav 2=877(LC 1), 7=877(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1391/116, 3-4=-999/120, 4-5=-845/128, 5-6=-1000/120, 6-7=-1390/116
BOT CHORD 2-13=-45/1178, 11-13=-45/1178, 10-11=0/843, 9-10=-54/1177, 7-9=-54/1177
WEBS 3-11=-398/70, 4-11=0/257, 5-10=-2/259, 6-10=-395/70

- 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 9-0-0, Zone3 9-0-0 to 11-0-0, Zone2 11-0-0 to 15-2-12, Zone1 15-2-12 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.
 - 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, 7.



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

October 7,2025

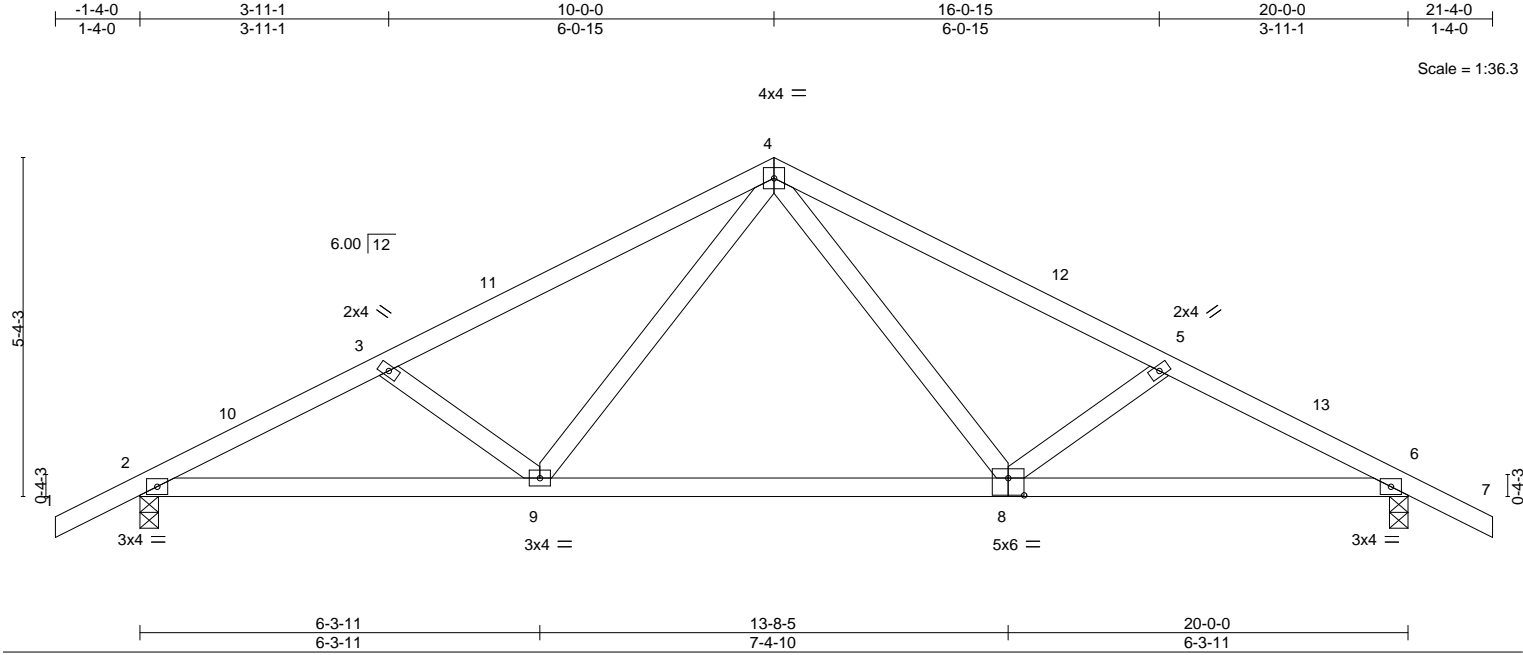
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769208
6252401	G03	COMMON	3	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:56 2025 Page 1
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LOADING (psf)		SPACING-		CSL		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.05	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.30				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	0.04				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.03				
								Weight: 95 lb		FT = 20%	

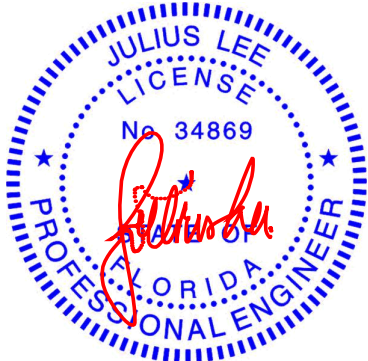
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-9-10 oc purlins.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS.	
(size)	2=0-3-8, 6=0-3-8
Max Horz	2=-93(LC 10)
Max Grav	2=1025(LC 1), 6=1025(LC 1)

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1790/0, 3-4=-1570/0, 4-5=-1563/0, 5-6=-1783/0
BOT CHORD	2-9=0/1546, 8-9=0/973, 6-8=0/1540
WEBS	4-8=0/621, 5-8=-294/176, 4-9=0/631, 3-9=-295/178

- 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 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.
 - Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard	
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-4=-60, 4-7=-60, 2-9=-20, 8-9=-60, 6-8=-20	
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-4=-50, 4-7=-50, 2-9=-20, 8-9=-60, 6-8=-20	
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-4=-20, 4-7=-20, 2-9=-40, 8-9=-80, 6-8=-40	



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 7, 2025

Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769208
6252401	G03	COMMON	3	1	Job Reference (optional)	

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


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LOAD CASE(S) Standard

- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=47, 2-10=32, 4-10=19, 4-12=26, 6-12=19, 6-7=14, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-56, 2-10=-40, 4-10=-27, 4-12=35, 6-12=27, 6-7=23
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-11=19, 4-11=26, 4-13=19, 6-13=32, 6-7=47, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-23, 2-11=-27, 4-11=-35, 4-13=27, 6-13=40, 6-7=56
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-8, 2-4=-33, 4-6=-33, 6-7=-29, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-12, 2-4=13, 4-6=-13, 6-7=-9
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-29, 2-4=-33, 4-6=-33, 6-7=-8, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=9, 2-4=13, 4-6=-13, 6-7=12
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-4=3, 4-6=9, 6-7=4, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-24, 2-4=-11, 4-6=17, 6-7=13
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-4=9, 4-6=3, 6-7=15, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-13, 2-4=-17, 4-6=11, 6-7=24
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-4=-28, 4-6=-12, 6-7=-7, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=4, 2-4=8, 4-6=8, 6-7=13
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-4=-12, 4-6=-28, 6-7=-24, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-13, 2-4=-8, 4-6=-8, 6-7=-4
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=28, 2-4=15, 4-6=15, 6-7=28, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-37, 2-4=-24, 4-6=24, 6-7=37
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-4=3, 4-6=3, 6-7=15, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-24, 2-4=-11, 4-6=11, 6-7=24
- 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4
- 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4
- 16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-20, 2-9=-20, 8-9=-60, 6-8=-20
- 17) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-4=-56, 4-6=-44, 6-7=-40, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=3, 2-4=6, 4-6=6, 6-7=10
- 18) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-4=-44, 4-6=-56, 6-7=-53, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-10, 2-4=-6, 4-6=-6, 6-7=-3
- 19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 6-7=-47, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-3, 2-4=1, 4-6=-1, 6-7=3
- 20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 6-7=-47, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-3, 2-4=1, 4-6=-1, 6-7=3
- 21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-4=-25, 4-7=-25, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-16, 2-4=16, 4-7=-16
- 22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=8, 4-7=8, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-4=-16, 4-7=16

Continued on page 3

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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769208
6252401	G03	COMMON	3	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:56 2025 Page 3
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- LOAD CASE(S)** Standard
- 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-20, 2-9=-20, 8-9=-60, 6-8=-20
- 24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-60, 2-9=-20, 8-9=-60, 6-8=-20
- 25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-7=-20, 2-9=-20, 8-9=-60, 6-8=-20
- 26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-50, 2-9=-20, 8-9=-60, 6-8=-20

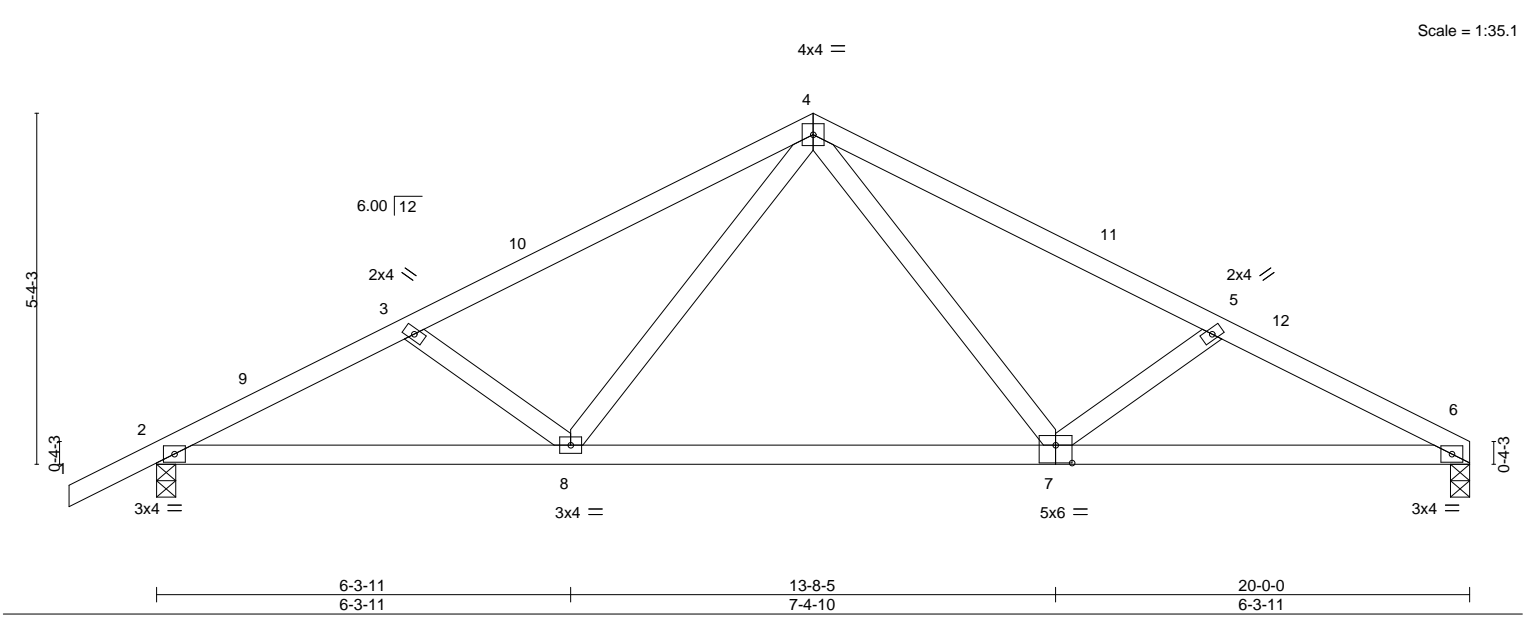
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769209
6252401	G04	COMMON	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:56 2025 Page 1
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16-0-15 20-0-0 20-0-0 3-11-1
1-4-0 3-11-1 10-0-0 6-0-15 6-0-15 3-11-1



LOADING (psf)		SPACING-		CSL.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.05	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.29				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	0.04				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.03				
								Weight: 92 lb		FT = 20%	

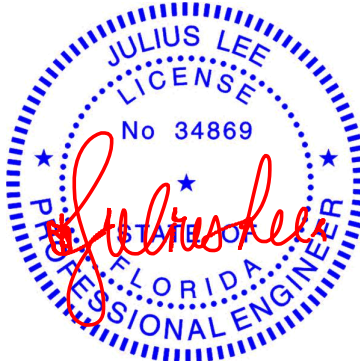
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-9-8 oc purlins.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS.	
(size)	6=0-3-8, 2=0-3-8
Max Horz	2=91(LC 11)
Max Grav	6=933(LC 1), 2=1028(LC 1)

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1797/0, 3-4=-1576/0, 4-5=-1583/0, 5-6=-1800/0
BOT CHORD	2-8=0/1553, 7-8=0/980, 6-7=0/1571
WEBS	4-7=0/627, 5-7=-311/181, 4-8=0/630, 3-8=-295/178

- 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 19-10-4 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
 - 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.
 - Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard	
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-4=-60, 4-6=-60, 2-8=-20, 7-8=-60, 6-7=-20	
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-4=-50, 4-6=-50, 2-8=-20, 7-8=-60, 6-7=-20	
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-4=-20, 4-6=-20, 2-8=-40, 7-8=-80, 6-7=-40	



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 7, 2025

Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769209
6252401	G04	COMMON	2	1	Job Reference (optional)	

LOAD CASE(S) Standard

- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=47, 2-9=32, 4-9=19, 4-11=26, 6-11=19, 2-8=-12, 7-8=-52, 6-7=-12
Horz: 1-2=-56, 2-9=-40, 4-9=-27, 4-11=35, 6-11=27
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-10=19, 4-10=26, 4-12=19, 6-12=32, 2-8=-12, 7-8=-52, 6-7=-12
Horz: 1-2=-23, 2-10=-27, 4-10=-35, 4-12=27, 6-12=40
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-8, 2-4=-33, 4-6=-33, 2-8=-20, 7-8=-60, 6-7=-20
Horz: 1-2=-12, 2-4=13, 4-6=-13
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-29, 2-4=-33, 4-6=-33, 2-8=-20, 7-8=-60, 6-7=-20
Horz: 1-2=9, 2-4=13, 4-6=-13
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-4=3, 4-6=9, 2-8=-12, 7-8=-52, 6-7=-12
Horz: 1-2=-24, 2-4=-11, 4-6=17
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-4=9, 4-6=3, 2-8=-12, 7-8=-52, 6-7=-12
Horz: 1-2=-13, 2-4=-17, 4-6=11
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-4=-28, 4-6=-12, 2-8=-20, 7-8=-60, 6-7=-20
Horz: 1-2=4, 2-4=8, 4-6=8
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-4=-12, 4-6=-28, 2-8=-20, 7-8=-60, 6-7=-20
Horz: 1-2=-13, 2-4=-8, 4-6=-8
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=28, 2-4=15, 4-6=15, 2-8=-12, 7-8=-52, 6-7=-12
Horz: 1-2=-37, 2-4=-24, 4-6=24
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-4=3, 4-6=3, 2-8=-12, 7-8=-52, 6-7=-12
Horz: 1-2=-24, 2-4=-11, 4-6=11
- 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 2-8=-20, 7-8=-60, 6-7=-20
Horz: 1-2=-4, 2-4=1, 4-6=-1
- 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 2-8=-20, 7-8=-60, 6-7=-20
Horz: 1-2=-4, 2-4=1, 4-6=-1
- 16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-20, 2-8=-20, 7-8=-60, 6-7=-20
- 17) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-4=-56, 4-6=-44, 2-8=-20, 7-8=-60, 6-7=-20
Horz: 1-2=3, 2-4=6, 4-6=6
- 18) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-4=-44, 4-6=-56, 2-8=-20, 7-8=-60, 6-7=-20
Horz: 1-2=-10, 2-4=-6, 4-6=-6
- 19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 2-8=-20, 7-8=-60, 6-7=-20
Horz: 1-2=-3, 2-4=1, 4-6=-1
- 20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 2-8=-20, 7-8=-60, 6-7=-20
Horz: 1-2=-3, 2-4=1, 4-6=-1
- 21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-4=-25, 4-6=-25, 2-8=-12, 7-8=-52, 6-7=-12
Horz: 1-2=-16, 2-4=16, 4-6=-16
- 22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=8, 4-6=8, 2-8=-12, 7-8=-52, 6-7=-12
Horz: 1-4=-16, 4-6=16

Continued on page 3

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

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MiTek®

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769209
6252401	G04	COMMON	2	1	Job Reference (optional)	

LOAD CASE(S) Standard

- 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-20, 2-8=-20, 7-8=-60, 6-7=-20
- 24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-60, 2-8=-20, 7-8=-60, 6-7=-20
- 25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-6=-20, 2-8=-20, 7-8=-60, 6-7=-20
- 26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-50, 2-8=-20, 7-8=-60, 6-7=-20

 **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	2240-B 2Car	T38769210
6252401	H3E	DIAGONAL HIP GIRDER	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:57 2025 Page 1
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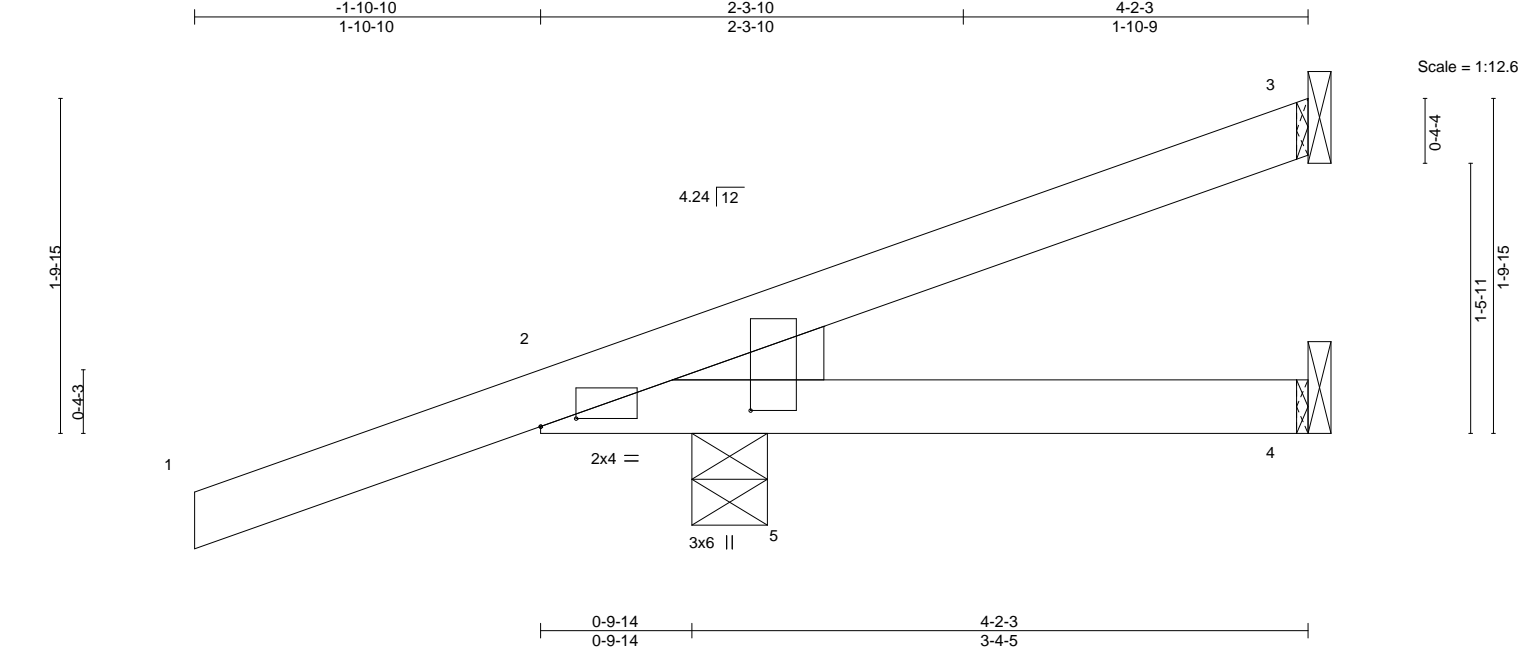


Plate Offsets (X,Y)--		[2:0-2-5,0-0-8], [2:0-1-1,1-1-12]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.32	Vert(LL) -0.04 2-4 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.67	Vert(CT) -0.08 2-4 >615 240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) -0.00 3 n/a n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL) 0.04 2-4 >999 240	Weight: 17 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.
WEDGE	
Left: 2x4 SP No.2	

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 2=0-4-15
Max Horz 2=59(LC 8)
Max Uplift 3=-31(LC 5), 4=-45(LC 4), 2=-181(LC 8)
Max Grav 3=104(LC 1), 4=135(LC 1), 2=499(LC 1)

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); cantilever left 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, 4 except (jt=lb) 2=181.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 44 lb down and 28 lb up at 4-1-7 on top chord, and 133 lb down and 69 lb up at 1-4-15, and 133 lb down and 69 lb up at 1-4-15, and 29 lb down and 15 lb up at 4-1-7 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, 2-4=-20
Concentrated Loads (lb)
Vert: 3=-20(F) 4=-14(F) 5=-266(F=-133, B=-133)

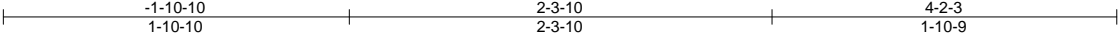


Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 7,2025

Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769211
6252401	HJ3	DIAGONAL HIP GIRDER	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:57 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-v6ZoNnav2lZRyU?A4fVBCaXpAP?_ymflsZSkhPyVuHa



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.49	Vert(LL)	-0.01	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.20	Vert(CT)	-0.03	2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL)	0.00	2	****	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=0-4-9, 4=Mechanical
Max Horz 2=59(LC 8)
Max Uplift 3=-40(LC 5), 2=-94(LC 8)
Max Grav 3=89(LC 31), 2=262(LC 1), 4=79(LC 3)

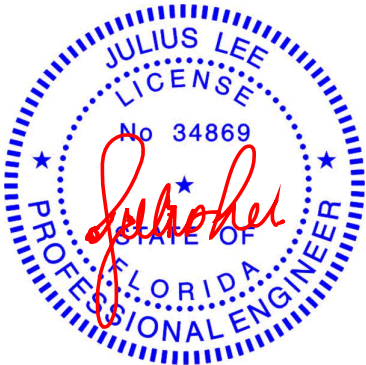
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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 ; 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.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 53 lb down and 114 lb up at 1-4-15, and 53 lb down and 114 lb up at 1-4-15, and 44 lb down and 28 lb up at 4-1-7 on top chord, and at 1-4-15, and 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, 2-4=-20
Concentrated Loads (lb)
Vert: 3=-20(B) 5=76(F=38, B=38)



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

October 7, 2025

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

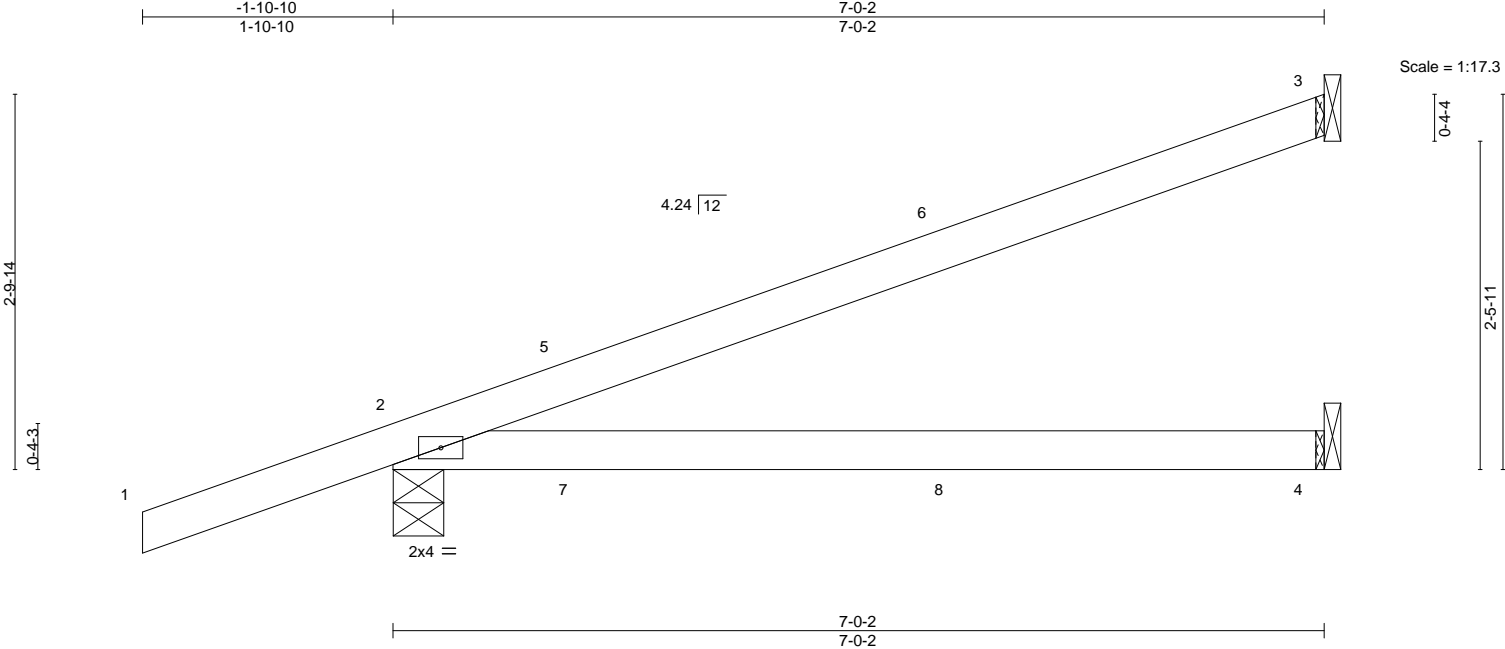
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769212
6252401	HJ5	DIAGONAL HIP GIRDER	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:58 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-NI7Aa7aXpchIA2aMeN0Qko4xgpE7hDvu4DBHDryVuHZ



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.70	Vert(LL) -0.13	2-4	>648	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.66	Vert(CT) -0.25	2-4	>324	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) -0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL) 0.00	2	****	240	Weight: 25 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.

REACTIONS. (size) 3=Mechanical, 2=0-4-9, 4=Mechanical
Max Horz 2=82(LC 8)
Max Uplift 3=95(LC 8), 2=93(LC 8)
Max Grav 3=259(LC 1), 2=353(LC 31), 4=135(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); cantilever left and right 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.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 53 lb down and 114 lb up at 1-4-15, 53 lb down and 114 lb up at 1-4-15, 55 lb down and 31 lb up at 4-2-15, and 55 lb down and 31 lb up at 4-2-15, and 89 lb down and 61 lb up at 6-11-6 on top chord, and at 1-4-15, at 1-4-15, and 11 lb down at 4-2-15, and 11 lb down at 4-2-15 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

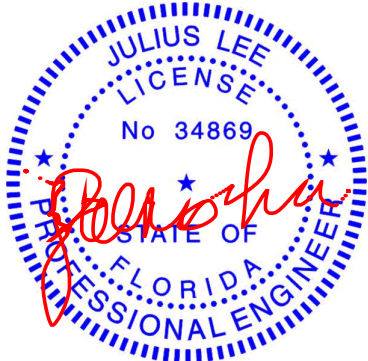
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-60, 2-4=-20

Concentrated Loads (lb)

Vert: 3=89(B) 5=76(F=38, B=38)



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MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

October 7, 2025

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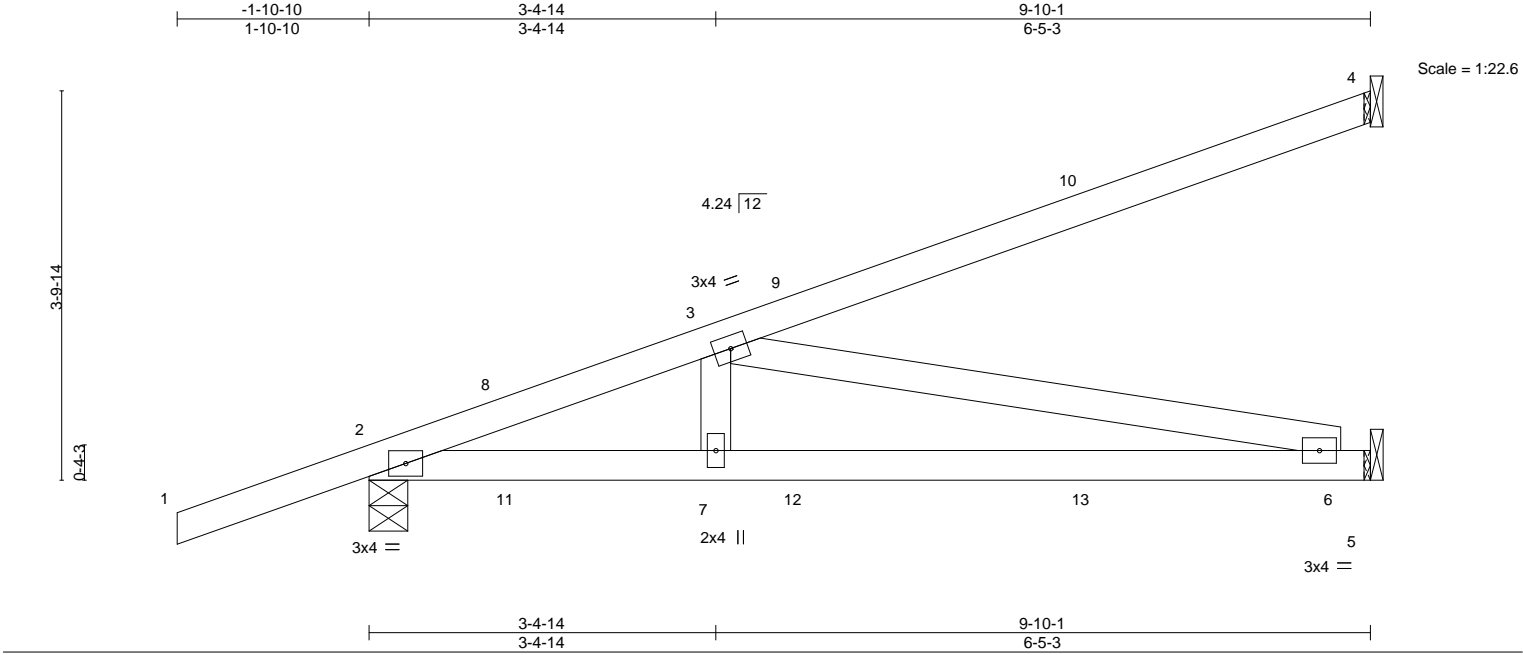
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Job	Truss	Truss Type	Qty	Ply	2240-B 2Car	T38769213
6252401	HJ7	DIAGONAL HIP GIRDER	5	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Tue Oct 7 06:20:58 2025 Page 1
ID:y6bLPA9E28LfIkUn2vm8QUz1P?1-Ni7Aa7aXpchIA2aMeN0Qko4sGpBTh4au4DBHDryVuHZ



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.98	Vert(LL)	-0.11	6-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.89	Vert(CT)	-0.23	6-7	>509	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.60	Horz(CT)	0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL)	0.03	6-7	>999	240	Weight: 44 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-9-12 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	

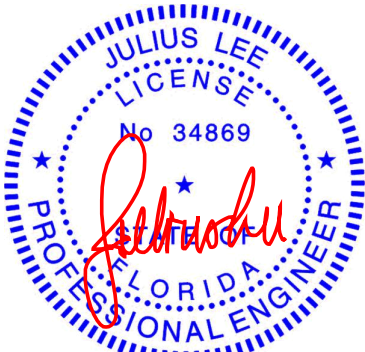
REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=106(LC 27)
Max Uplift 4=128(LC 8), 2=-99(LC 8)
Max Grav 4=359(LC 1), 2=492(LC 1), 5=279(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-953/16
BOT CHORD 2-7=-89/880, 6-7=-89/880
WEBS 3-7=0/311, 3-6=-898/91

- 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); cantilever left and right 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) 2 except (jt=lb) 4=128.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 53 lb down and 114 lb up at 1-4-15, 53 lb down and 114 lb up at 1-4-15, 55 lb down and 31 lb up at 4-2-15, 55 lb down and 31 lb up at 4-2-15, 89 lb down and 68 lb up at 7-0-14, and 89 lb down and 68 lb up at 7-0-14, and 153 lb down and 84 lb up at 9-9-5 on top chord, and at 1-4-15, at 1-4-15, 11 lb down at 4-2-15, 11 lb down at 4-2-15, and 39 lb down at 7-0-14, and 39 lb down at 7-0-14 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: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 4=-153(B) 8=76(F=38, B=38) 10=-90(F=-45, B=-45) 13=-39(F=-20, B=-20)



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Date:

October 7, 2025

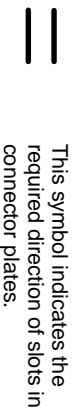
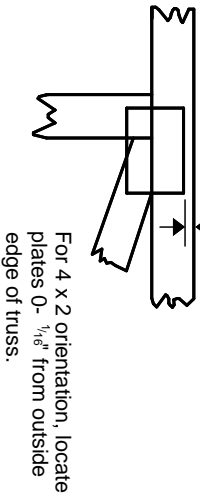
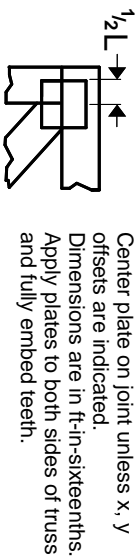
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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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Symbols

PLATE LOCATION AND ORIENTATION



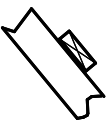
* Plate location details available in MITek software or upon request.

PLATE SIZE

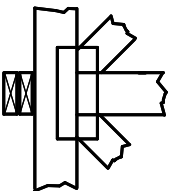
4 X 4

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

LATERAL BRACING LOCATION



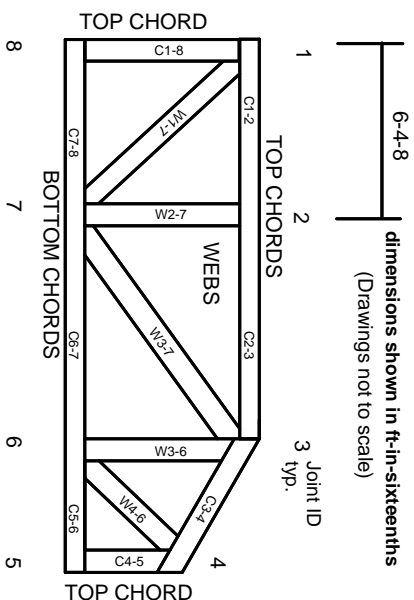
BEARING



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

Numbering System



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

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

Product Code Approvals

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

Design General Notes

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.
Lumber design values are in accordance with ANSI/TP1 1 section 6.3. These truss designs rely on lumber values established by others.

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor 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.