



RE: 6260925
1970-C

MiTek, Inc.

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer: Adams Homes-Gainesville Project Name: 6260925
Lot/Block: 026 Model: 1970-C-Frame
Address: 331 SW Bellflower Dr Subdivision: The Preserve at Laurel Lake
City: Alachua State: FL

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

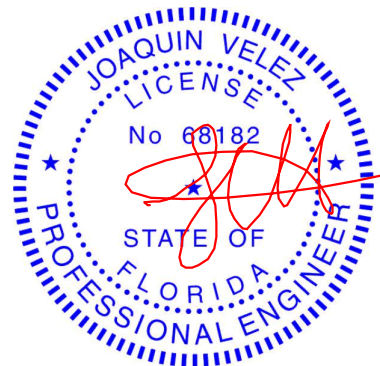
This package includes 35 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T40891953	A01	4/21/2026	21	T40891973	C1	4/21/2026
2	T40891954	A02	4/21/2026	22	T40891974	C1C	4/21/2026
3	T40891955	A03	4/21/2026	23	T40891975	C3C	4/21/2026
4	T40891956	A04	4/21/2026	24	T40891976	C3T	4/21/2026
5	T40891957	A05	4/21/2026	25	T40891977	C5C	4/21/2026
6	T40891958	A06	4/21/2026	26	T40891978	C5T	4/21/2026
7	T40891959	A07	4/21/2026	27	T40891979	E01	4/21/2026
8	T40891960	A08	4/21/2026	28	T40891980	E7C	4/21/2026
9	T40891961	A09	4/21/2026	29	T40891981	E7T	4/21/2026
10	T40891962	A10	4/21/2026	30	T40891982	G01	4/21/2026
11	T40891963	A11	4/21/2026	31	T40891983	G01X	4/21/2026
12	T40891964	A12	4/21/2026	32	T40891984	G02	4/21/2026
13	T40891965	A13	4/21/2026	33	T40891985	H7C	4/21/2026
14	T40891966	A14	4/21/2026	34	T40891986	H7E	4/21/2026
15	T40891967	A15	4/21/2026	35	T40891987	H7T	4/21/2026
16	T40891968	A16	4/21/2026				
17	T40891969	B01	4/21/2026				
18	T40891970	B02	4/21/2026				
19	T40891971	B03	4/21/2026				
20	T40891972	B04	4/21/2026				



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: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2027.
Florida COA: 6634

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. Any project specific information included is for MiTek customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



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

April 21, 2026

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891953
6260925	A01	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:35 2026 Page 2
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-Ba4ePwU8Wn9dX2kqefKdZjui3cdYzz6zr9yKXzzOreQ

LOAD CASE(S) Standard

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

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

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

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Job	Truss	Truss Type	Qty	Ply	1970-C	T40891954
6260925	A02	ROOF SPECIAL	1	1		

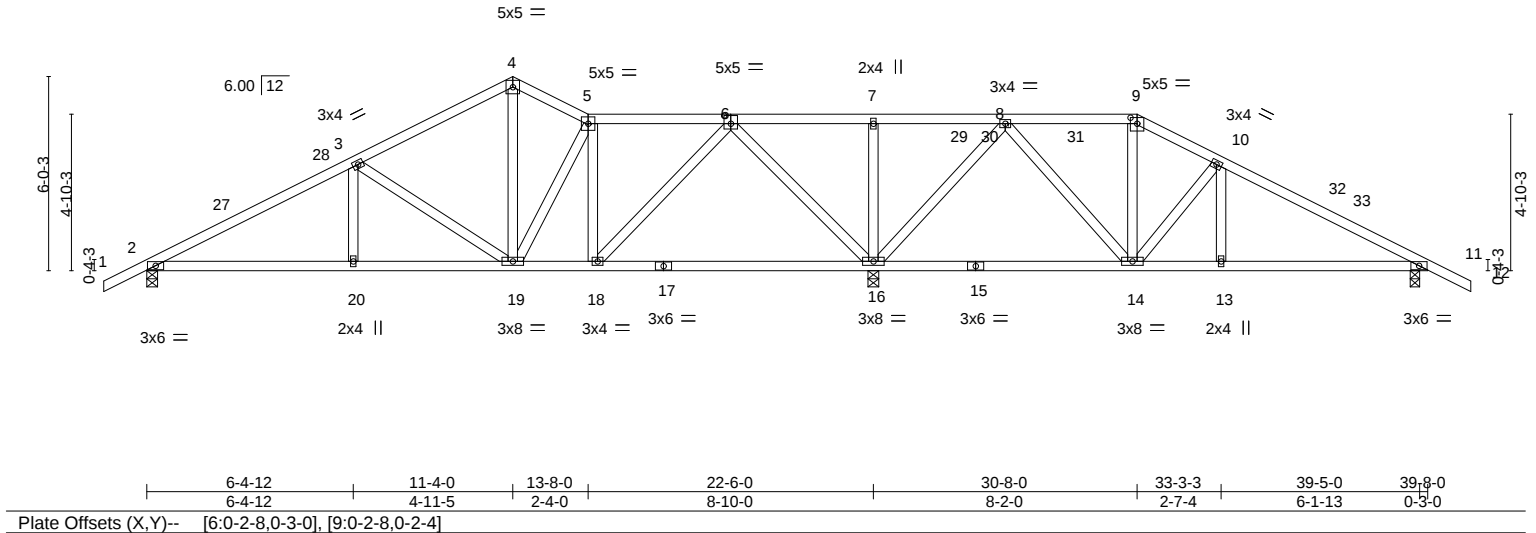
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:36 2026 Page 1

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1-4-0	6-4-12	11-4-0	13-8-0	18-1-0	22-6-0	26-7-0	30-8-0	33-3-3	39-8-0	41-0-0
1-4-0	6-4-12	4-11-5	2-4-0	4-5-0	4-5-0	4-1-0	4-1-0	2-7-4	6-4-13	1-4-0

Scale = 1:71.3



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

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-11-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-18,14-16.

REACTIONS.

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

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

TOP CHORD 2-3=-1165/109, 3-4=-662/101, 4-5=-610/119, 5-6=-510/64, 6-7=-79/863, 7-8=-79/863,
9-10=-333/263, 10-11=-646/322
BOT CHORD 2-20=-20/999, 19-20=-20/999, 18-19=0/547, 13-14=-223/516, 11-13=-223/516
WEBS 3-20=0/264, 3-19=-553/114, 4-19=-11/325, 5-18=-431/140, 6-18=-46/786,
6-16=-1200/157, 7-16=-251/68, 8-16=-958/313, 8-14=-192/592, 10-14=-427/212

NOTES-

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



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

April 21,2026

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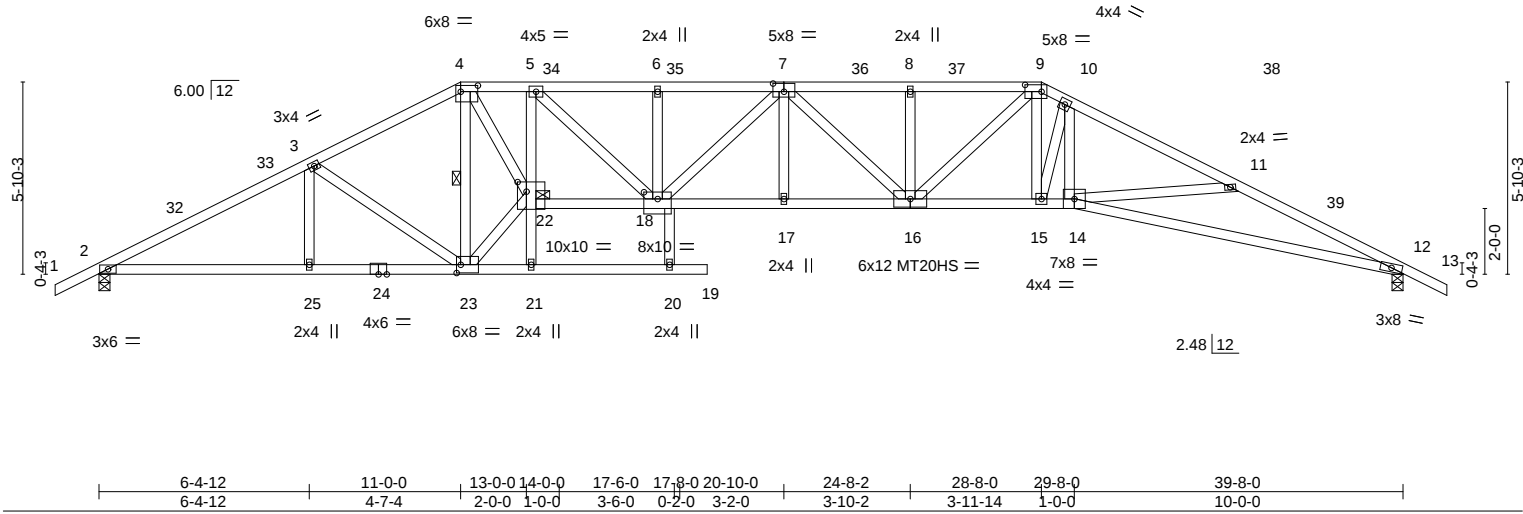
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314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891955
6260925	A03	HIP	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:37 2026 Page 1
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1-4-0 6-4-12 11-0-0 14-0-0 16-11-14 20-10-0 24-8-2 28-8-0 29-8-0 34-4-15 39-8-0 41-0-0
1-4-0 6-4-12 4-7-4 3-0-0 2-11-14 3-10-2 3-10-2 3-11-14 1-0-0 4-8-15 5-3-1 1-4-0

Scale = 1:70.1



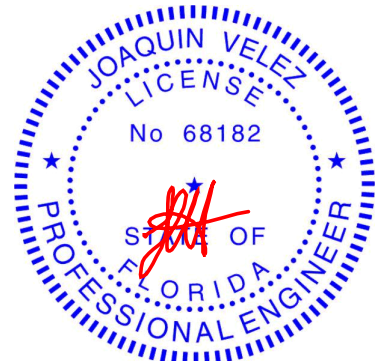
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.48	MT20	244/190		
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.96	MT20HS	187/143		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.50				
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.27	Weight: 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.
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	WEBS	6-0-0 oc bracing: 20-21.
		JOINTS	1 Row at midpt 4-23
			1 Brace at Jt(s): 22

REACTIONS.	
(size)	2=0-4-0, 12=0-4-0
Max Horz	2=113(LC 11)
Max Uplift	2=-97(LC 12), 12=-99(LC 12)
Max Grav	2=1683(LC 1), 12=1680(LC 1)

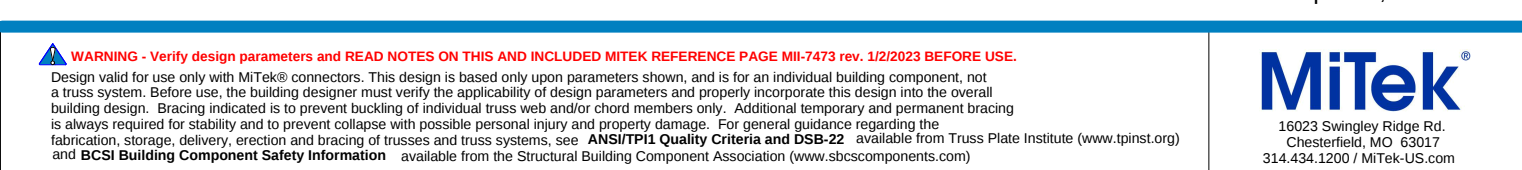
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-3102/230, 3-4=-2647/231, 4-5=-4288/286, 5-6=-4426/301, 6-7=-4420/300, 7-8=-4217/301, 8-9=-4217/301, 9-10=-4035/325, 10-11=-4490/288, 11-12=-4948/397
BOT CHORD	2-25=-133/2710, 23-25=-133/2710, 5-22=-333/74, 18-22=-121/4358, 17-18=-143/4486, 16-17=-143/4486, 15-16=-107/3598, 14-15=-141/3912, 12-14=-310/4469
WEBS	3-23=-502/92, 4-23=-2137/51, 22-23=-68/3301, 4-22=-119/3706, 5-18=-17/263, 7-16=-454/11, 9-16=-58/923, 9-15=-141/1200, 10-15=-1185/131, 10-14=0/1020, 11-14=-424/153

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 11-0-0, Zone2 11-0-0 to 16-7-5, Zone1 16-7-5 to 28-8-0, Zone2 28-8-0 to 34-3-5, Zone1 34-3-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 99 lb uplift at joint 12.



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

April 21,2026

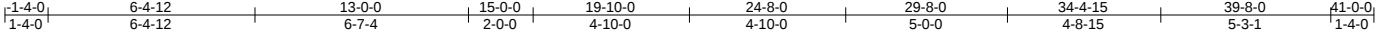


Job	Truss	Truss Type	Qty	Ply	1970-C	T40891957
6260925	A05	HIP	1	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:38 2026 Page 1

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Scale = 1:71.2

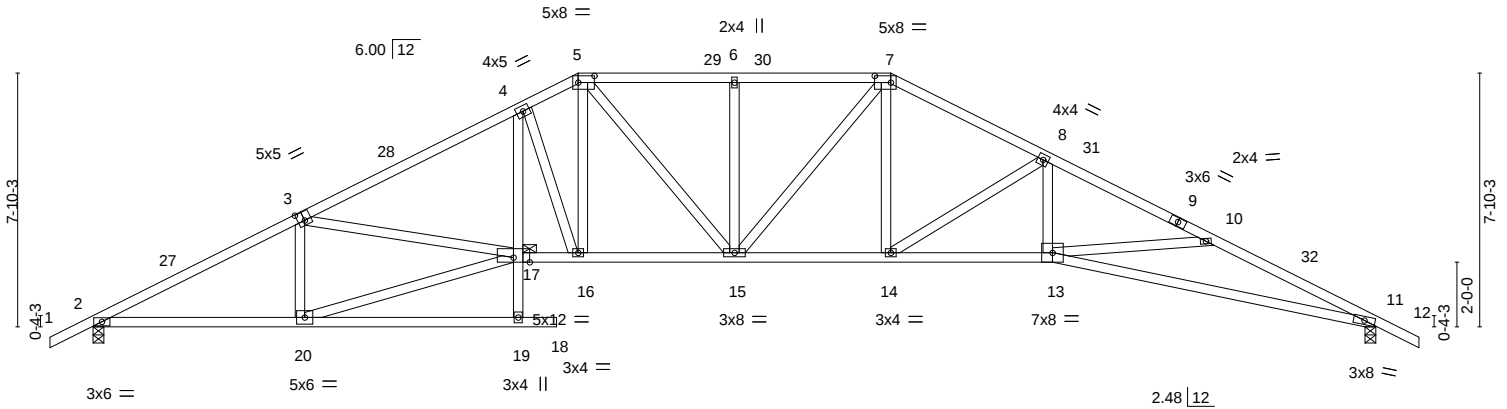


Plate Offsets (X,Y)--	[3:0-2-8,0-3-4], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8]
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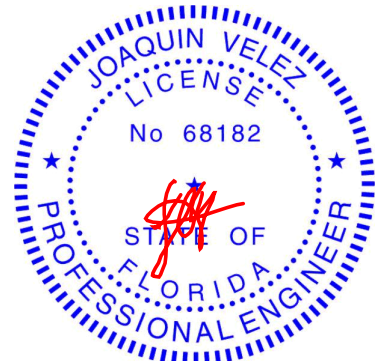
LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25		TC 0.70	Vert(LL)	-0.36	13-14	>999	360	MT20
TCDL 10.0	Lumber DOL 1.25		BC 0.96	Vert(CT)	-0.71	13-14	>669	240	
BCLL 0.0 *	Rep Stress Incr YES		WB 0.86	Horz(CT)	0.40	11	n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014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

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

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

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

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



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Date:

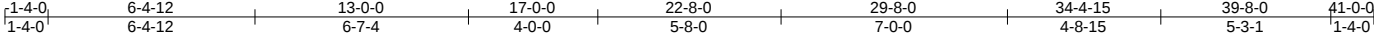
April 21,2026

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891958
6260925	A06	HIP	1	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:39 2026 Page 1

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Scale = 1:71.2

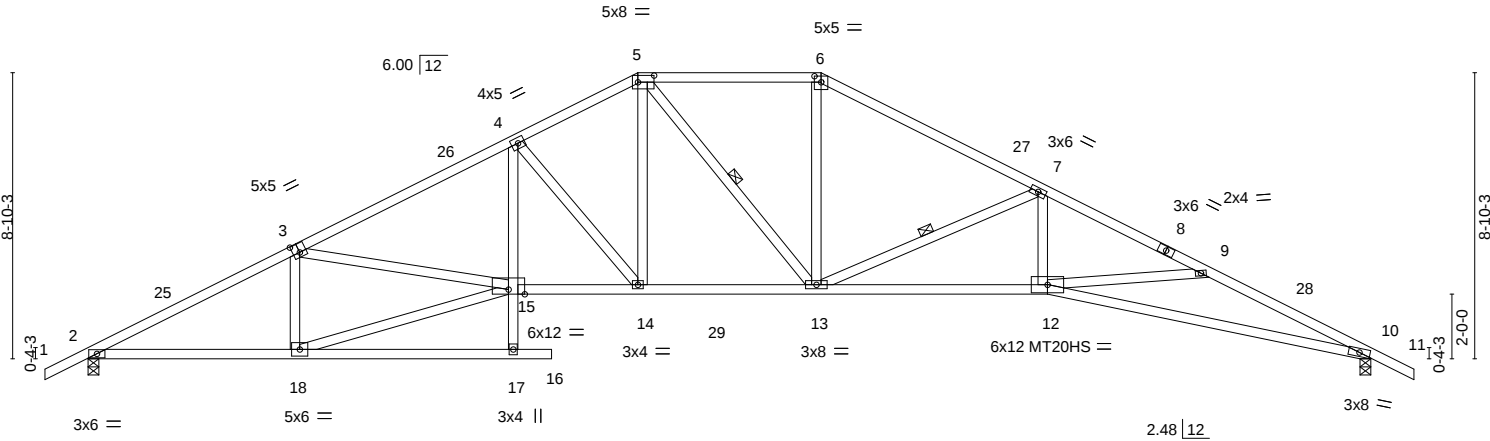


Plate Offsets (X,Y)--	[3:0-2-8,0-3-4], [5:0-6-0,0-2-8], [6:0-2-8,0-2-4]
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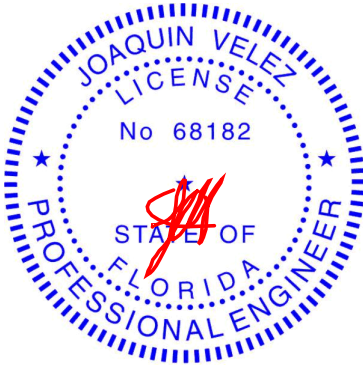
LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25		TC 0.69	Vert(LL)	-0.40 12-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25		BC 0.87	Vert(CT)	-0.76 12-13	>626	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES		WB 0.89	Horz(CT)	0.39 10	n/a	n/a		
BCDL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

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

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

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

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



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

April 21,2026

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891959
6260925	A07	HIP	1	1		

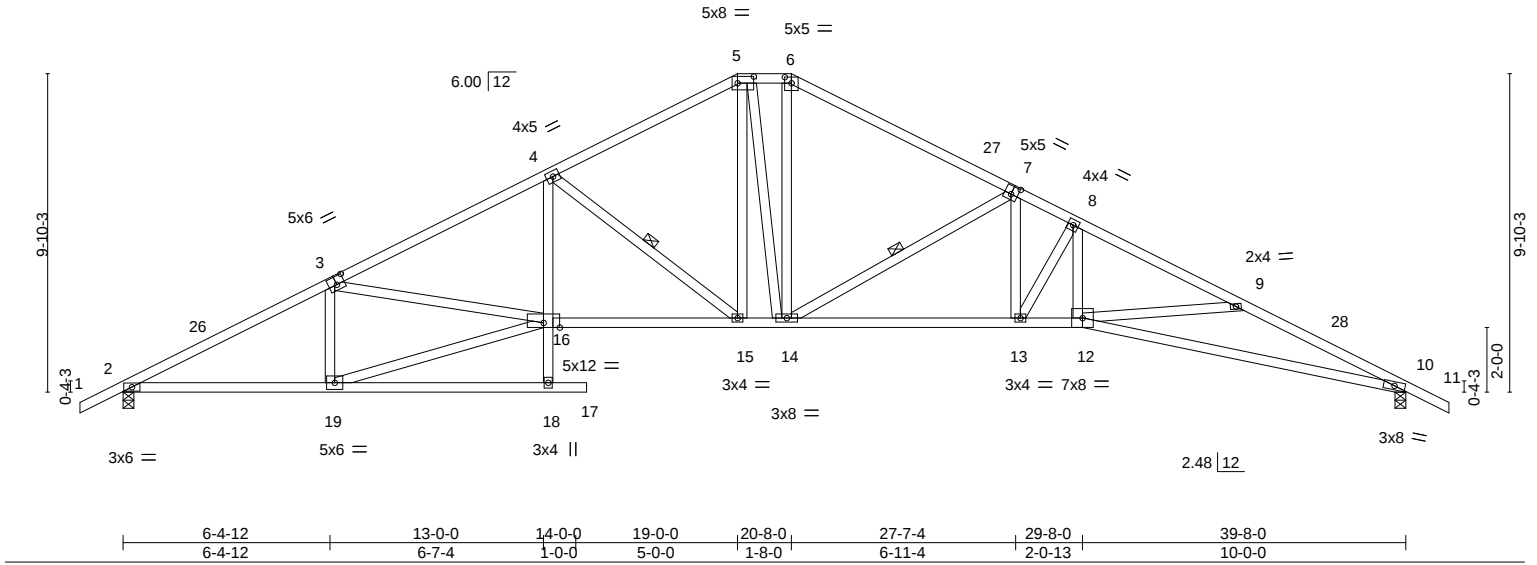
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:40 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-YYtXTeYGLKnvdpdnRDwoGmba?dlpeC7i_Rf4DAzOreL

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

Scale = 1:71.2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.87	Vert(LL)	-0.35	13	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.88	Vert(CT)	-0.75	13-14	>638		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.63	Horz(CT)	0.41	10	n/a		
BCDL 10.0	Code	FBC2023/TP12014	Matrix-MS	Wind(LL)	0.20	13	>999	Weight: 242 lb	FT = 20%

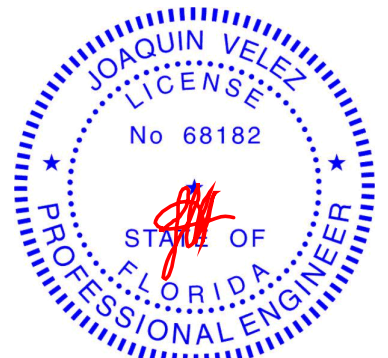
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-12: 2x4 SP M 31 or 2x4 SP SS	10-0-0 oc bracing: 16-18
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 4-15, 7-14

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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3110/199, 3-4=-3635/238, 4-5=-2433/225, 5-6=-2120/230, 6-7=-2454/220,
7-8=-3728/268, 8-9=-4467/264, 9-10=-4937/362
BOT CHORD 2-19=-106/2718, 4-16=-0/977, 15-16=-62/3190, 14-15=0/2110, 13-14=-99/3323,
12-13=-121/3888, 10-12=-278/4459
WEBS 3-19=-703/113, 16-19=-120/2809, 3-16=0/429, 4-15=-1381/132, 5-15=-40/834,
5-14=-175/256, 6-14=-18/780, 7-14=-1412/154, 7-13=0/982, 8-13=-1039/49,
8-12=-0/1029, 9-12=-450/139

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 19-0-0, Zone3 19-0-0 to 20-8-0, Zone2 20-8-0 to 26-3-5, Zone1 26-3-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) 10 considers parallel to grain value using ANSI/TP1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 102 lb uplift at joint 10.



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

April 21,2026

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891960
6260925	A08	ROOF SPECIAL	9	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:41 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-0kRvgzZv6dvmFzC_?wR1p_7nk0ccNfQrD5PelczOreK

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

Scale = 1:69.1

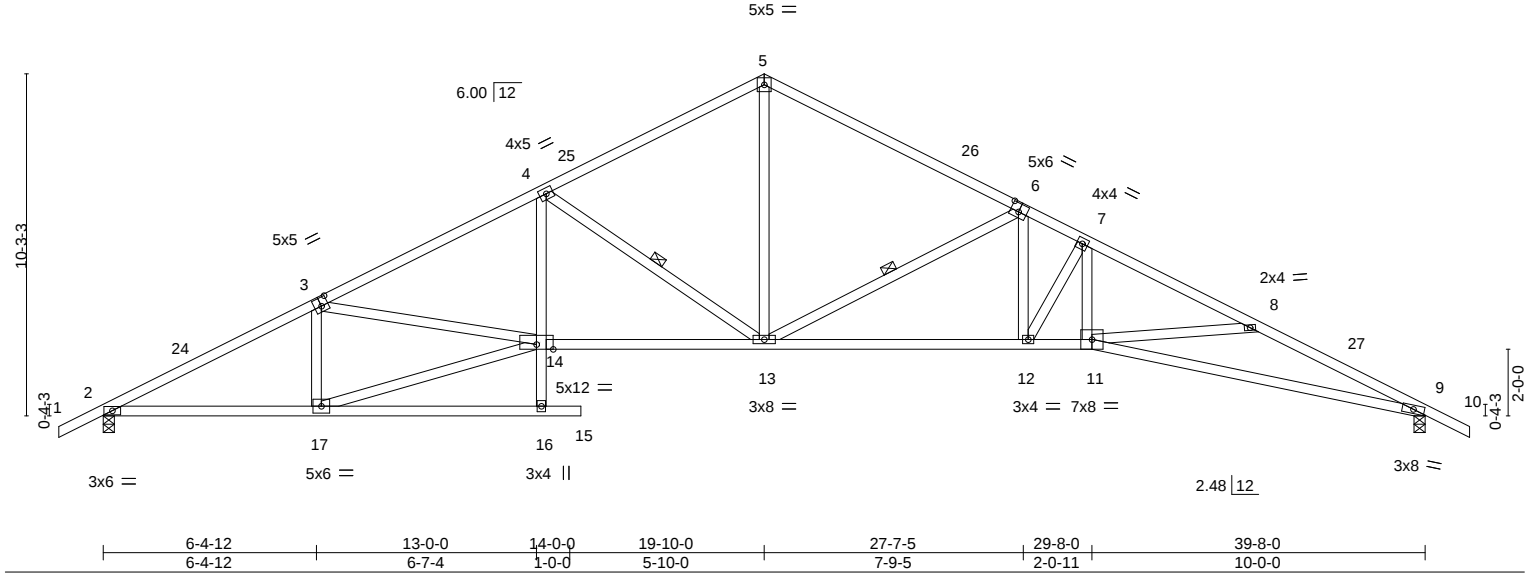


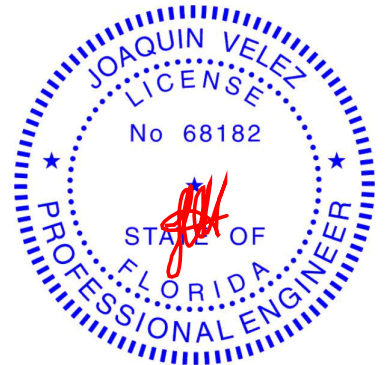
Plate Offsets (X,Y)--		[3:0-2-8,0-3-0], [6:0-3-0,0-3-0]															
LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP					
TCLL 20.0		Plate Grip DOL 1.25		TC 0.74		Vert(LL) -0.36 12 >999		L/d 360		MT20		244/190					
TCDL 10.0		Lumber DOL 1.25		BC 0.97		Vert(CT) -0.77 12-13 >615		240									
BCLL 0.0 *		Rep Stress Incr YES		WB 0.63		Horz(CT) 0.41 9 n/a		n/a									
BCDL 10.0		Code FBC2023/TPI2014		Matrix-MS		Wind(LL) 0.21 12 >999		240		Weight: 223 lb		FT = 20%					

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

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

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

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



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

April 21,2026

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891961
6260925	A09	ROOF SPECIAL	1	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:41 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-0kRvgzZv6dvmFzC_?wR1p_7n80ccNfQrD5PelczOreK

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

Scale = 1:69.4

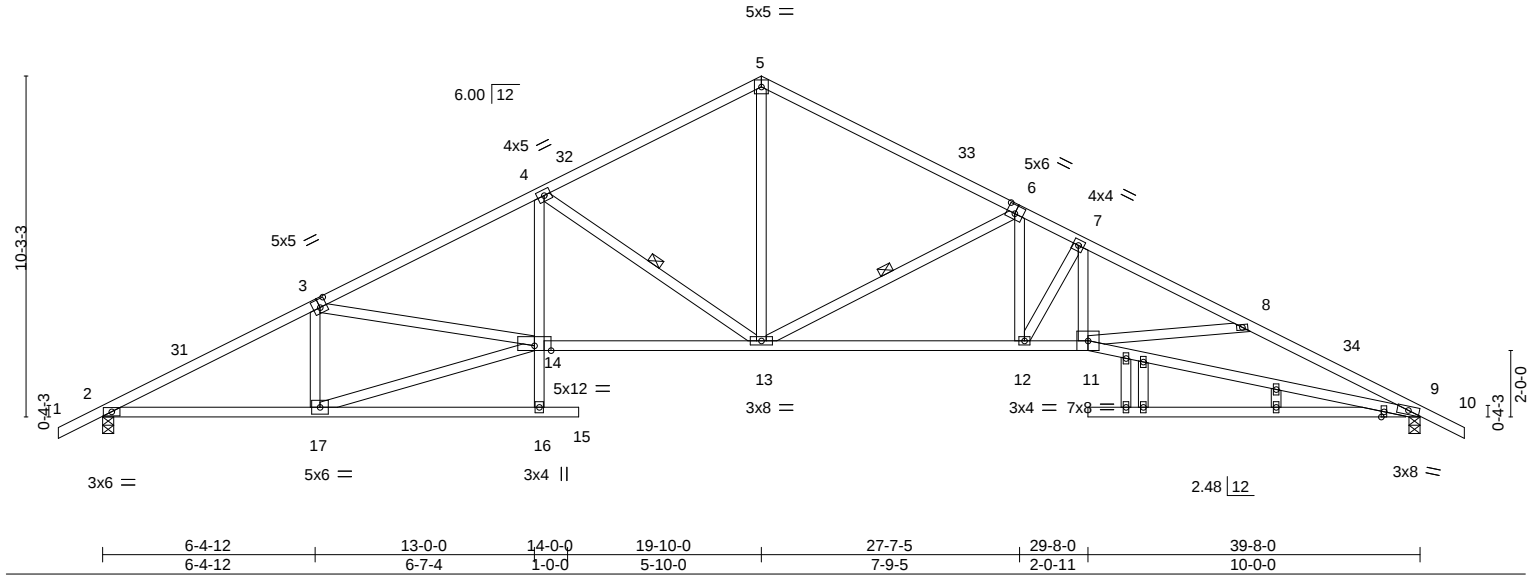


Plate Offsets (X,Y)--		[3:0-2-8,0-3-0], [6:0-3-0,0-3-0]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL 20.0	Plate Grip DOL	1.25	TC 0.72	Vert(LL)	-0.36	12	>999	MT20	244/190		
TCDL 10.0	Lumber DOL	1.25	BC 0.97	Vert(CT)	-0.77	12-13	>615				
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.63	Horz(CT)	0.41	9	n/a				
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS	Wind(LL)	0.21	12	>999				
								Weight: 242 lb		FT = 20%	

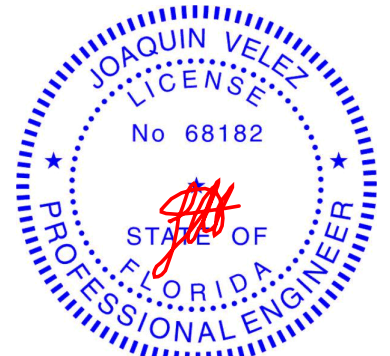
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except*	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
	5-6: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
BOT CHORD	2x4 SP No.2 *Except*		10-0-0 oc bracing: 14-16
	9-11: 2x4 SP M 31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

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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3112/235, 3-4=-3637/270, 4-5=-2360/252, 5-6=-2374/244, 6-7=-3731/295,
7-8=-4462/295, 8-9=-4931/395
BOT CHORD 2-17=-119/2721, 4-14=0/965, 13-14=-84/3194, 12-13=-135/3338, 11-12=-148/3884,
9-11=-306/4453
WEBS 3-17=-700/116, 14-17=-133/2796, 3-14=0/441, 4-13=-1418/161, 5-13=-60/1619,
6-13=-1487/190, 6-12=0/965, 7-12=-1006/48, 7-11=-11/1028, 8-11=-453/150

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 19-10-0, Zone2 19-10-0 to 25-5-5, Zone1 25-5-5 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 102 lb uplift at joint 9.



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

April 21,2026

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891962
6260925	A10	HIP	1	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:42 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-Uw?HtJaXtx1ds6mAZdyGMBgwTQ_I66h?Si8BH3zOreJ

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

Scale = 1:72.7

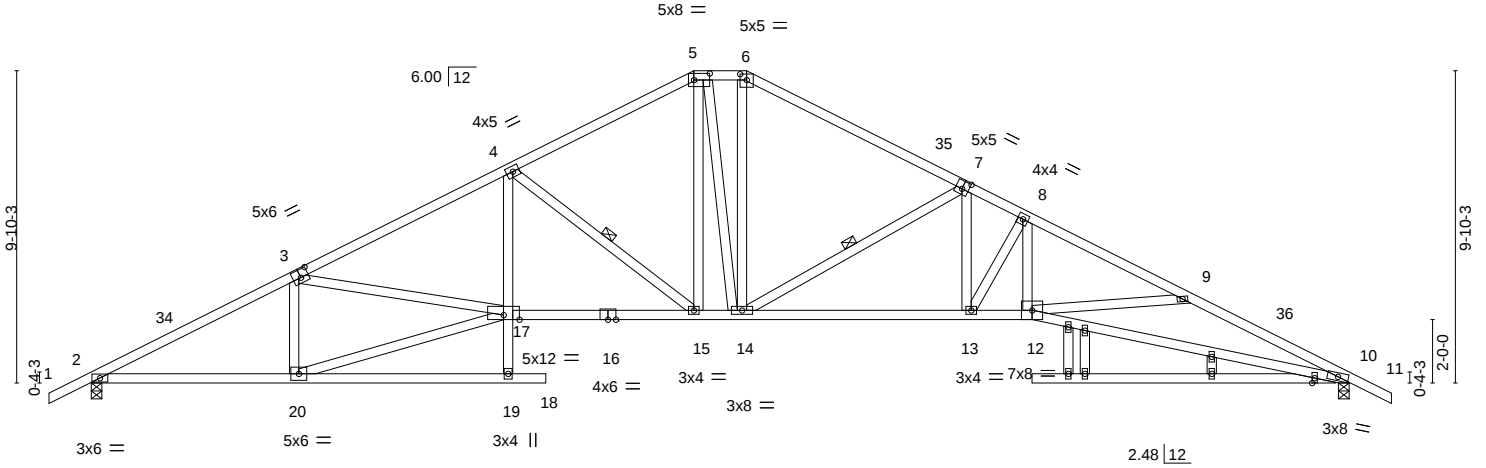


Plate Offsets (X,Y)--	[3:0-3-0,0-3-0], [5:0-6-0,0-2-8], [6:0-2-8,0-2-4], [7:0-2-8,0-3-0]
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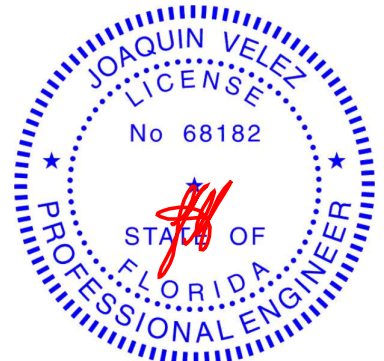
LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25		TC 0.87	Vert(LL) -0.36	13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25		BC 0.88	Vert(CT) -0.74	13-14	>640	240		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.63	Horz(CT) 0.41	10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL) 0.20	13	>999	240	Weight: 262 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-12: 2x4 SP M 31 or 2x4 SP SS	10-0-0 oc bracing: 17-19
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 4-15, 7-14

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

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-3110/199, 3-4=-3627/238, 4-5=-2419/225, 5-6=-2121/230, 6-7=-2455/220, 7-8=-3727/268, 8-9=-4467/264, 9-10=-4937/362
BOT CHORD	2-20=-106/2718, 4-17=0/981, 15-17=-60/3181, 14-15=0/2096, 13-14=-99/3323, 12-13=-121/3888, 10-12=-278/4459
WEBS	3-20=-699/113, 17-20=-120/2792, 3-17=0/423, 4-15=-1384/132, 5-15=-39/753, 5-14=-112/309, 6-14=-18/781, 7-14=-1411/154, 7-13=0/980, 8-13=-1040/49, 8-12=0/1030, 9-12=-450/139

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



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

April 21,2026

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891963
6260925	A11	HIP	1	1		

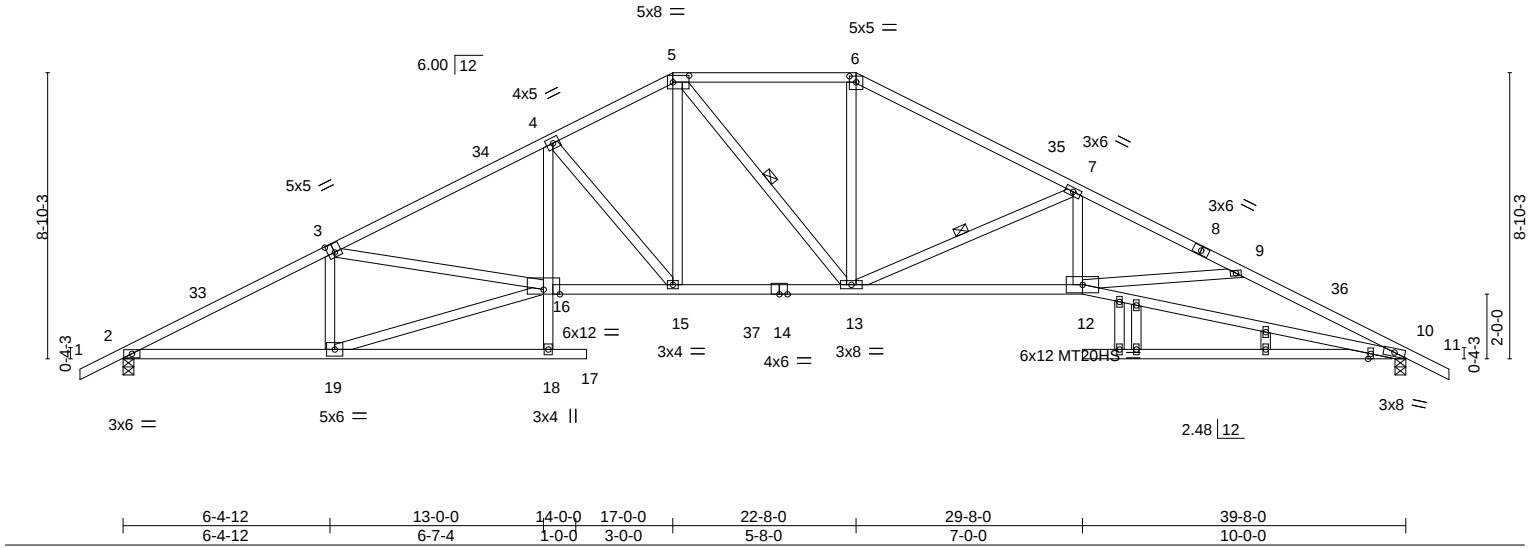
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:43 2026 Page 1

ID:1JtKGF4dEckC_La6ECUjVhzG9oz-y7Zg5fa9eF9UUGLM6LTVuPD83qKerVr8gPulpVzOrel

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

Scale = 1:71.2



Job	Truss	Truss Type	Qty	Ply	1970-C	T40891964
6260925	A12	HIP	1	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:44 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-RJ62l?bnPYHL6QwZg2_kRcllgEFVaycHv3eIMxzOreH

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

Scale = 1:71.2

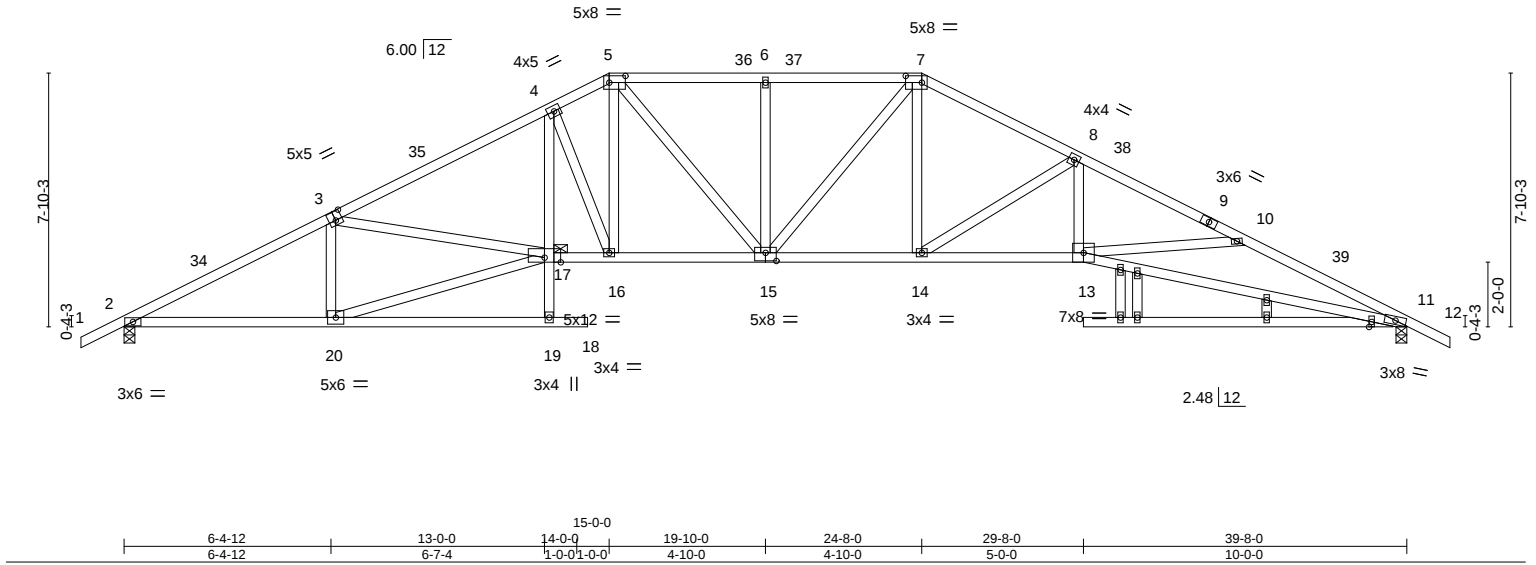


Plate Offsets (X,Y)--										[3:0-2-8,0-3-4], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8], [15:0-4-0,0-3-0]									
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.70	Vert(LL)	-0.36	13-14	>999		360		MT20		244/190		
TCDL	10.0	Lumber DOL		1.25		BC	0.96	Vert(CT)	-0.71	13-14	>669		240						
BCLL	0.0 *	Rep Stress Incr		YES		WB	0.86	Horz(CT)	0.40	11	n/a		n/a						
BCDL	10.0	Code FBC2023/TPI2014				Matrix-MS		Wind(LL)	0.20	13-14	>999		240		Weight: 254 lb		FT = 20%		

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
11-13: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 17-19
JOINTS 1 Brace at Jt(s): 17

REACTIONS.

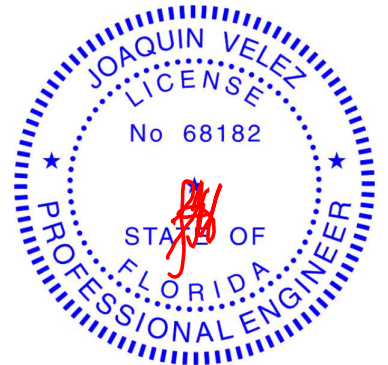
(size) 2=0-4-0, 11=0-4-0
Max Horz 2=-149(LC 10)
Max Uplift 2=-97(LC 12), 11=-102(LC 12)
Max Grav 2=1682(LC 1), 11=1675(LC 1)

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

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

NOTES-

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



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

April 21,2026

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

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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891965
6260925	A13	HIP	1	1		

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

Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:45 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-vVgQWLcPAsPCjaVlEmWzzqIVme0dJTJR8jNruOzOreG

1-4-0

6-4-12

13-0-0

14-0-0

16-6-14

20-0-0

23-1-3

26-8-0

33-3-4

39-8-0

41-0-0

1-4-0

6-4-12

6-7-5

1-0-0

2-6-14

3-5-2

3-1-3

3-6-13

6-7-4

6-4-12

1-4-0

Scale = 1:71.3

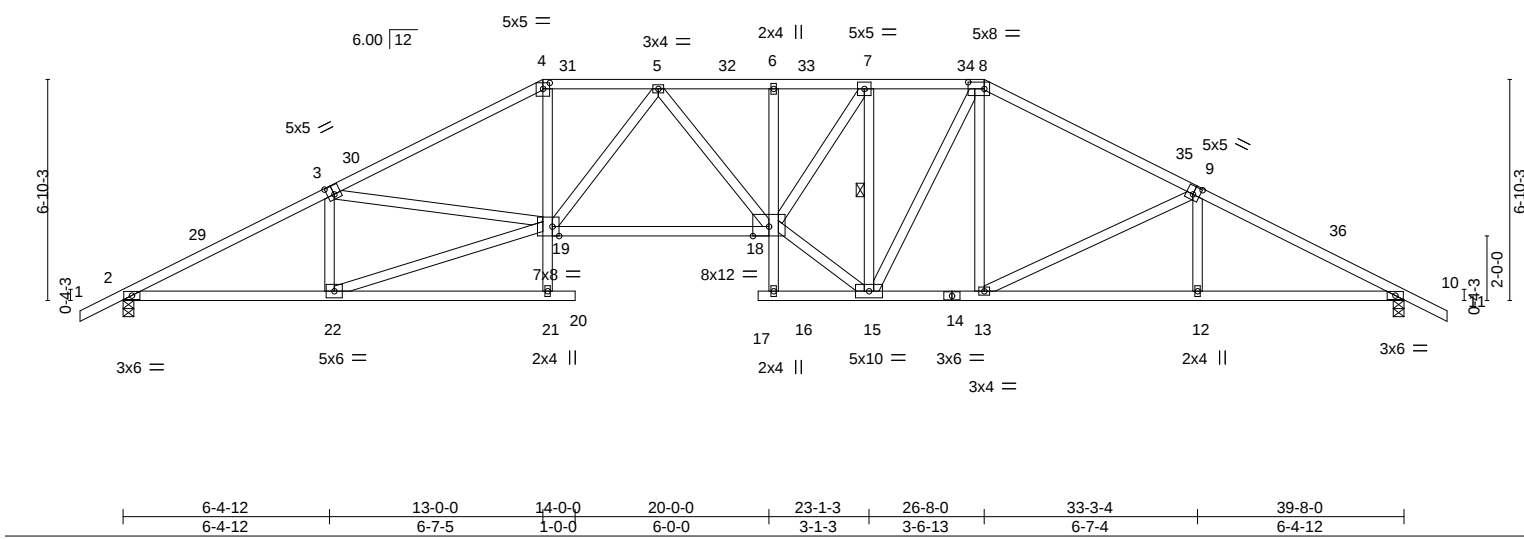


Plate Offsets (X,Y)--		[3:0-2-8,0-3-4], [4:0-2-8,0-2-4], [8:0-6-0,0-2-8], [9:0-2-8,0-3-0], [19:0-2-8,Edge]	
LOADING (psf)	SPACING-	CSI.	DEFL.
TCLL 20.0	2-0-0	TC 0.55	in (loc) l/defl L/d
TCDL 10.0	Plate Grip DOL 1.25	BC 0.77	Vert(LL) -0.28 17 >999 360
BCLL 0.0 *	Lumber DOL 1.25	WB 0.64	Vert(CT) -0.62 18-19 >773 240
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.26 10 n/a n/a
	Code FBC2023/TP12014		Wind(LL) 0.16 17 >999 240
		PLATES	
		GRIP	
		MT20 244/190	
		Weight: 244 lb FT = 20%	

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

REACTIONS. (size) 2=0-4-0, 10=0-4-0

Max Horz 2=131(LC 11)

Max Uplift 2=98(LC 12), 10=101(LC 12)

Max Grav 2=1681(LC 1), 10=1676(LC 1)

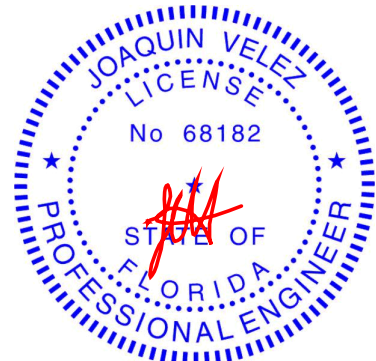
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-3121/231, 3-4=-3488/255, 4-5=-3120/263, 5-6=-3498/278, 6-7=-3475/281, 7-8=-2359/254, 8-9=-2494/234, 9-10=-3105/239

BOT CHORD 2-22=-136/2730, 18-19=-104/3378, 13-15=-54/2151, 12-13=-153/2713, 10-12=-151/2716

WEBS 3-22=-630/127, 3-19=0/454, 4-19=-20/1234, 19-22=-147/2826, 5-19=-567/67, 5-18=0/295, 15-18=-60/2796, 7-18=-51/2052, 7-15=-1908/99, 8-15=-43/549, 8-13=0/436, 9-13=-639/110, 9-12=0/276

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



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

April 21,2026

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

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

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891966
6260925	A14	HIP	1	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:46 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-NiEojhd1xAX3Lk4xoT1CW1ri01Rl2yVaNN7PQzOreF

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

Scale = 1:70.1

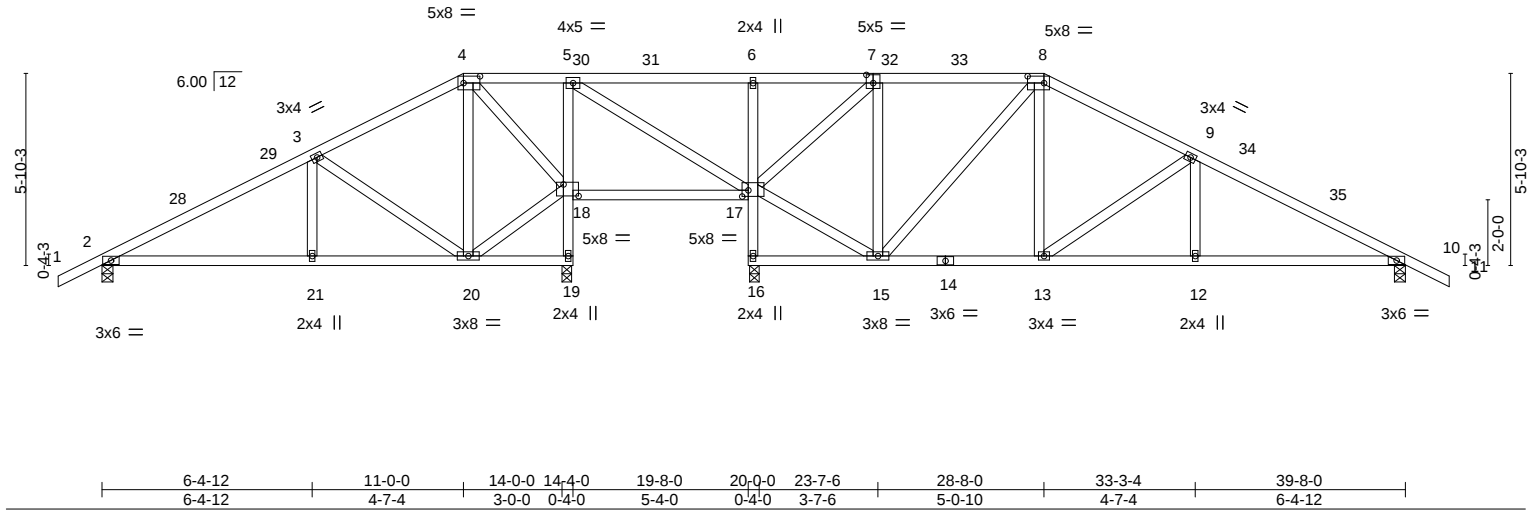


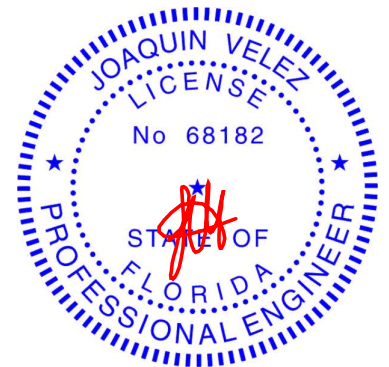
Plate Offsets (X,Y)--										[4:0-6-0,0-2-8], [7:0-2-8,0-3-0], [8:0-6-0,0-2-8], [17:0-2-4,0-2-4], [18:0-5-8,0-4-4]									
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.39	Vert(LL)	-0.05	12-27	>999		360		MT20		244/190		
TCDL	10.0	Lumber DOL		1.25		BC	0.46	Vert(CT)	-0.11	12-27	>999		240						
BCLL	0.0 *	Rep Stress Incr		YES		WB	0.45	Horz(CT)	-0.01	16	n/a		n/a						
BCDL	10.0	Code FBC2023/TPI2014				Matrix-MS		Wind(LL)	0.03	12-27	>999		240		Weight: 235 lb		FT = 20%		

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-10-10 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-5-11 oc bracing.
WEBS 2x4 SP No.2	

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

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

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



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

April 21,2026

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891967
6260925	A15	ROOF SPECIAL	1	1		

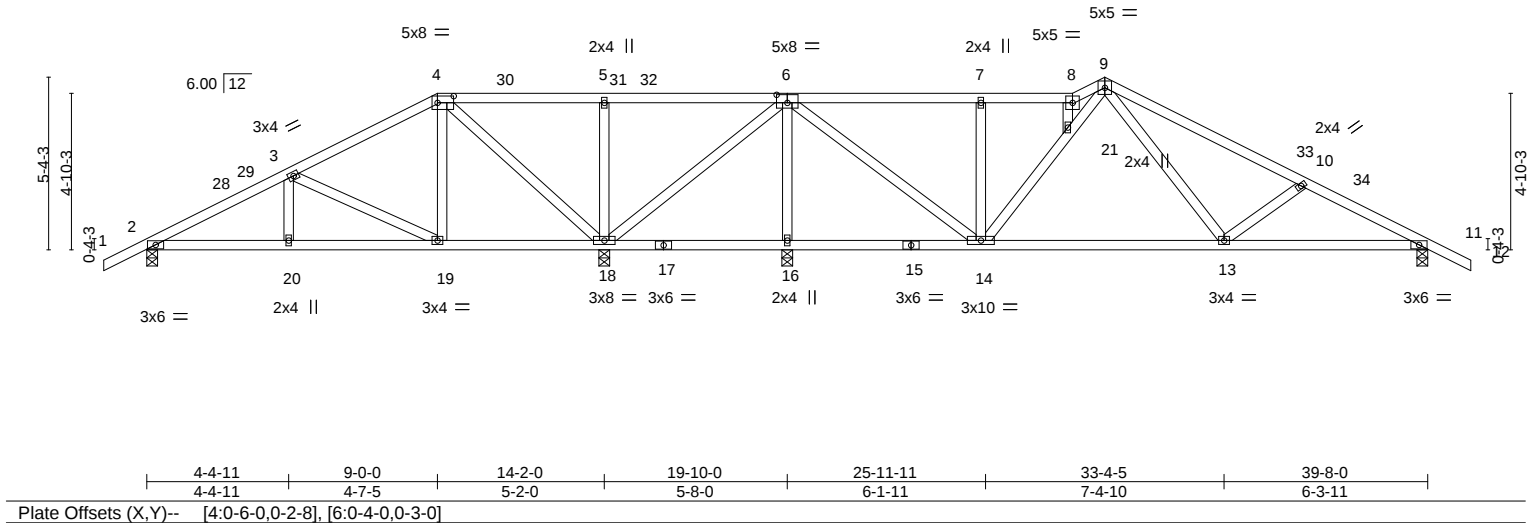
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:46 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-NiEojhd1xAX3Lk4xoT1CW1rhr1RI2wzaNN7PQqzOreF

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

Scale = 1:71.3



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

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-18,14-16.

REACTIONS.

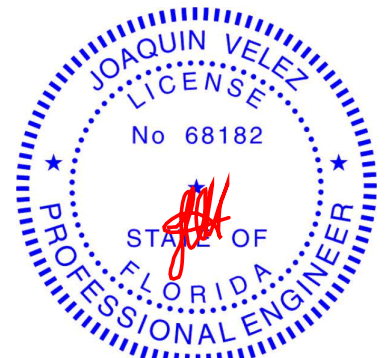
All bearings 0-4-0.
(lb) - Max Horz 2=103(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 16, 11
Max Grav All reactions 250 lb or less at joint(s) except 2=482(LC 23), 18=982(LC 23), 16=1170(LC 1),
11=739(LC 1)

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

TOP CHORD 2-3=-584/85, 4-5=0/528, 5-6=0/528, 6-7=-359/109, 7-8=-359/109, 8-9=-342/98,
9-10=-947/140, 10-11=-1174/188
BOT CHORD 2-20=-21/498, 19-20=-21/498, 16-18=-541/121, 14-16=-541/121, 13-14=0/515,
11-13=-131/1040
WEBS 3-19=-443/113, 4-19=0/334, 4-18=-786/97, 5-18=-341/127, 6-16=-1054/134,
6-14=-94/1130, 7-14=-333/89, 14-21=-276/65, 9-21=-279/66, 9-13=-10/457,
10-13=-347/164

NOTES-

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



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

April 21,2026

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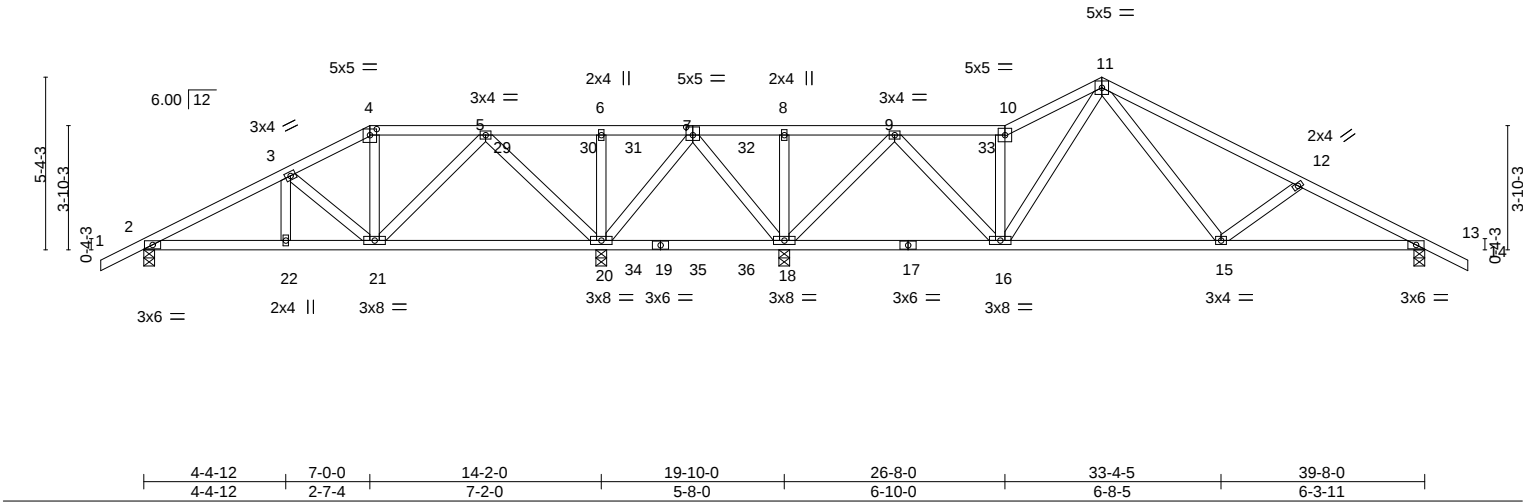
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891968
6260925	A16	ROOF SPECIAL GIRDER	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,			8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:47 2026 Page 1			
			ID:1JtKGf4dEckC_La6ECUjVhzG9oz-ruoAx1efiTfwzuf8LBYSR3FNszRmBnQtKb0syZGzOreE			
1-4-0	4-4-12	7-0-0	10-7-0	14-2-0	17-0-0	19-10-0
1-4-0	4-4-12	2-7-4	3-7-0	3-7-0	2-10-0	2-10-0
						23-3-0
						26-8-0
						29-8-0
						35-8-14
						39-8-0
						41-0-0
						1-4-0

Scale = 1:71.3



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

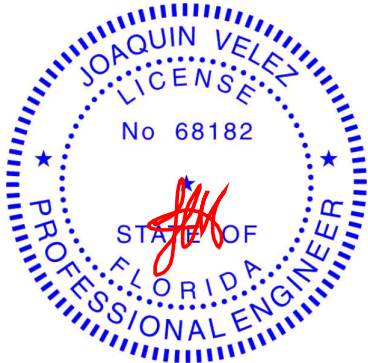
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-1-1 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.2		

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

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

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

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



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

April 21,2026

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891968
6260925	A16	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:47 2026 Page 2
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 7=-121(F) 31=-121(F) 32=-121(F) 34=-69(F) 35=-69(F) 36=-69(F)

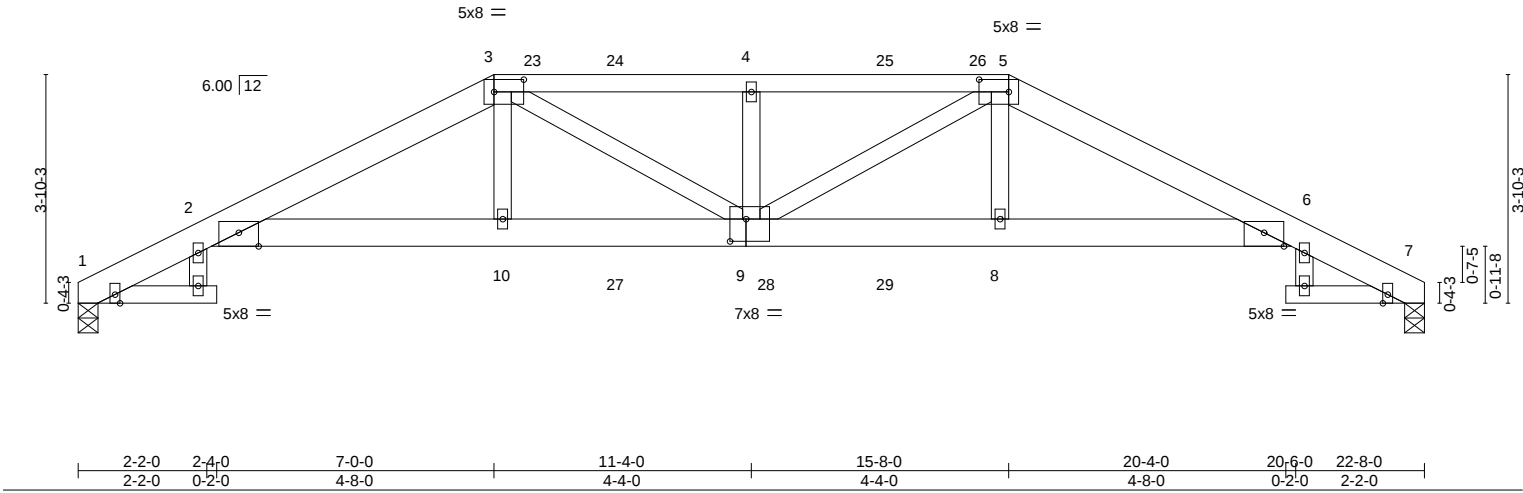
 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

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Job	Truss	Truss Type	Qty	Ply	1970-C	T40891969
6260925	B01	HIP GIRDER	1	2		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:49 2026 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-nHwxMjfwD5veCBpWTbav8gT7ZFsnFOi13KL319zOreC
2-2-0 2-4-0 7-0-0 11-4-0 15-8-0 20-4-0 20-6-0 22-8-0
2-2-0 0-2-0 4-8-0 4-4-0 4-4-0 4-8-0 0-2-0 2-2-0
Scale = 1:38.8



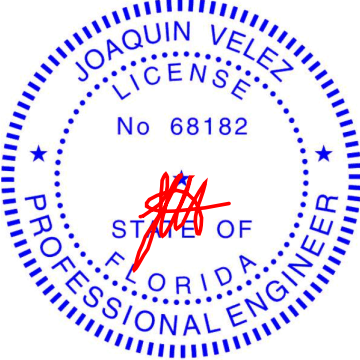
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.23	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.46				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.16	Horz(CT)	0.36				
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.11				
								Weight: 247 lb		FT = 20%	

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

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

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

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 281 lb down and 162 lb up at 7-0-0, 109 lb down and 65 lb up at 9-0-12, 109 lb down and 65 lb up at 11-0-12, 109 lb down and 65 lb up at 11-7-4, and 109 lb down and 65 lb up at 13-7-4, and 281 lb down and 162 lb up at 15-8-0 on top chord, and 447 lb down at 7-0-0, 85 lb down at 9-0-12, 85 lb down at 11-0-12, 85 lb down at 11-7-4, and 85 lb down at 13-7-4, and 447 lb down at 15-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

April 21,2026

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	1970-C	T40891969
6260925	B01	HIP GIRDER	1	2	Job Reference (optional)	

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:49 2026 Page 2
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LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-18=-82, 3-18=-60, 3-5=-60, 5-6=-60, 6-7=-82, 17-20=-20
- Concentrated Loads (lb)
Vert: 3=-234(B) 5=-234(B) 10=-447(B) 9=-83(B) 4=-216(B) 8=-447(B) 24=-108(B) 25=-108(B) 27=-83(B) 28=-83(B) 29=-83(B)

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Job	Truss	Truss Type	Qty	Ply	1970-C	T40891970
6260925	B02	Hip	1	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc.
Mon Apr 20 10:44:49 2026
Page 1
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2-2-0

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6-3-13

9-0-0

13-8-0

16-4-4

20-4-0

20-6-0

22-8-0

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3-11-12

0-2-0

2-2-0

Scale = 1:39.5

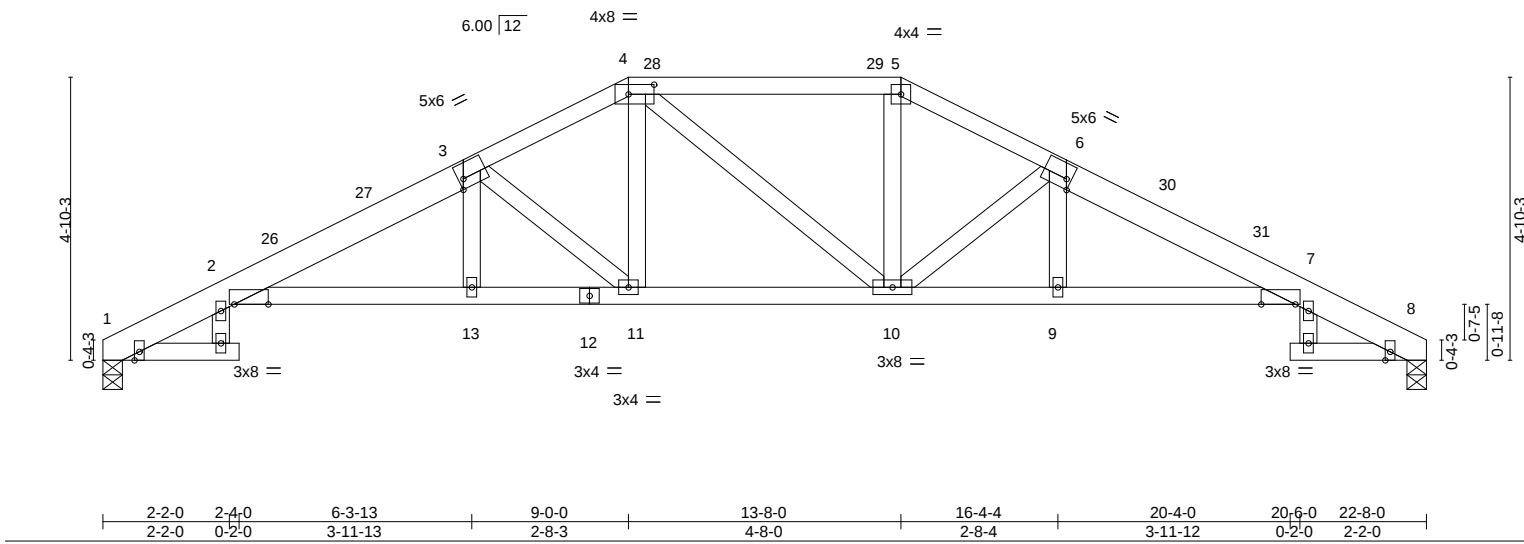


Plate Offsets (X,Y)--		[2:0-7-0,Edge], [3:Edge,0-2-0], [4:0-5-4,0-2-0], [6:Edge,0-2-0], [7:0-7-0,Edge]								
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.62	Vert(LL)	-0.19 13-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC 0.52	Vert(CT)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

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-3,6-8: 2x6 SP DSS
BOT CHORD 2x4 SP No.2 *Except*
2-12,7-12: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

NOTES-
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 0-2-0 to 3-2-0, Zone1 3-2-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 13-8-0, Zone2 13-8-0 to 17-10-15, Zone1 17-10-15 to 22-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 1, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8.

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

April 21,2026

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16023 Swingley Ridge Rd.
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Job	Truss	Truss Type	Qty	Ply	1970-C	T40891971
6260925	B03	Hip	1	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:50 2026 Page 1
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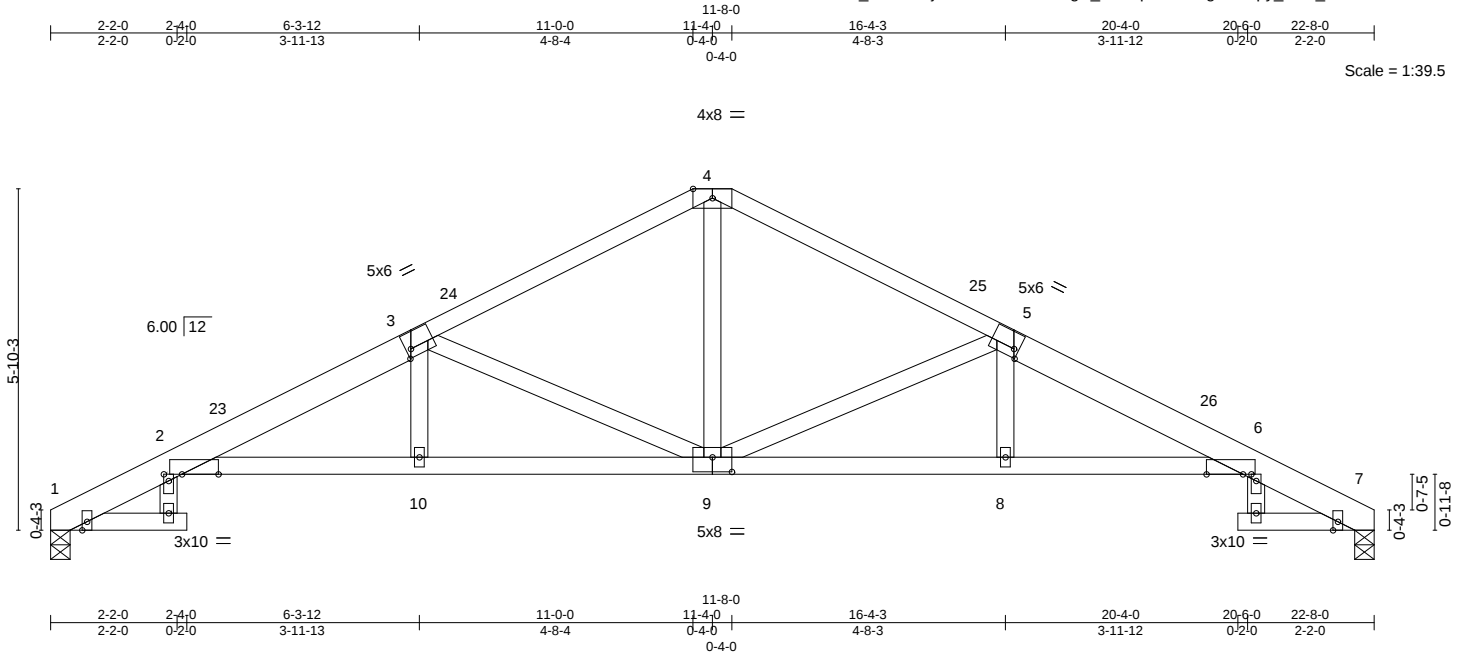


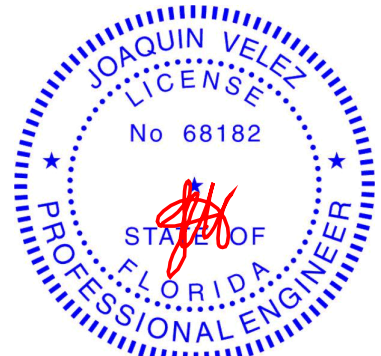
Plate Offsets (X,Y)--		[2:0-7-8,Edge], [3:0-1-0,0-1-12], [5:0-1-0,0-1-12], [6:0-7-8,Edge], [9:0-4-0,0-3-0], [14:0-1-6,0-1-0], [16:0-1-6,0-1-0]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.62
TCDL 10.0	Lumber DOL	1.25	BC 0.51
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.49
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.19 8-22 >999 360
			Vert(CT) -0.40 10-19 >676 240
			Horz(CT) 0.33 7 n/a n/a
			Wind(LL) 0.11 8-22 >999 240
			PLATES GRIP
			MT20 244/190
			Weight: 113 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP DSS *Except* 3-4,4-5: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-4-1 oc purlins.
BOT CHORD 2x4 SP No.2 *Except* 2-9,6-9: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-400/51, 2-3=-2083/162, 3-4=-1290/131, 4-5=-1289/132, 5-6=-2076/165,
6-7=-395/52
BOT CHORD 2-10=-101/1954, 9-10=-97/1968, 8-9=-98/1960, 6-8=-101/1946
WEBS 3-10=0/274, 3-9=-953/114, 5-9=-945/118, 5-8=0/272, 4-9=-19/801

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-2-0 to 3-2-0, Zone1 3-2-0 to 11-4-0, Zone2 11-4-0 to 15-6-15, Zone1 15-6-15 to 22-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.



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

April 21,2026

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

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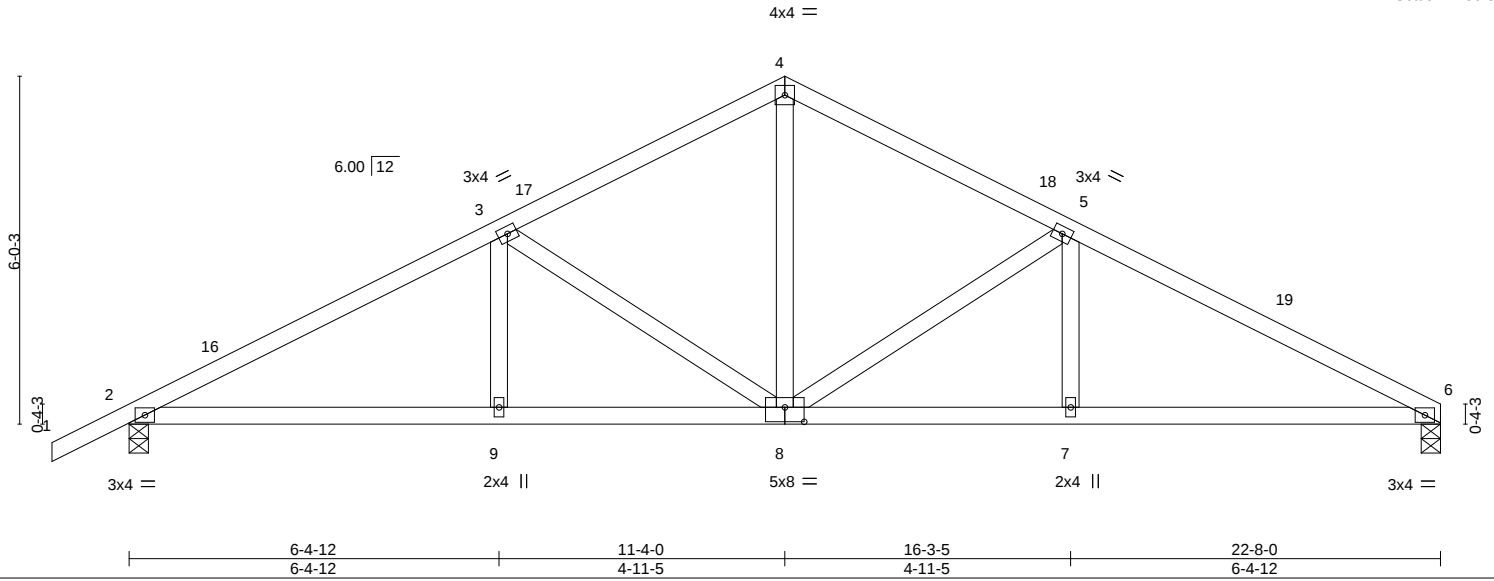
Job	Truss	Truss Type	Qty	Ply	1970-C	T40891972
6260925	B04	COMMON	3	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:51 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-kf1hmOhAliALRVzva0cND5YZM28HjEbJWeqA61zOreA



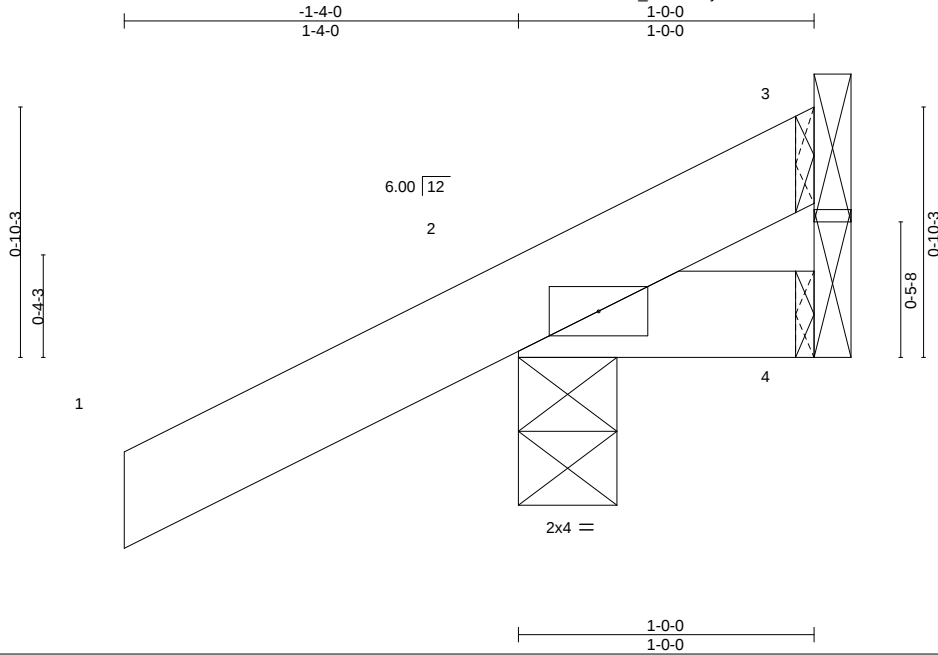
Scale = 1:39.8



Job	Truss	Truss Type	Qty	Ply	1970-C	T40891973
6260925	C1	CORNER JACK	4	1	Job Reference (optional)	

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:51 2026 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-kf1hmOhAiALRVzva0cND5Ye_2GmjJIJWeqA61zOreA



Scale = 1:7.8

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

LUMBER-

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

BRACING-

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

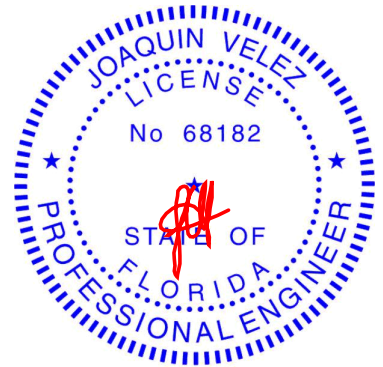
REACTIONS.

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

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

NOTES-

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



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

April 21,2026

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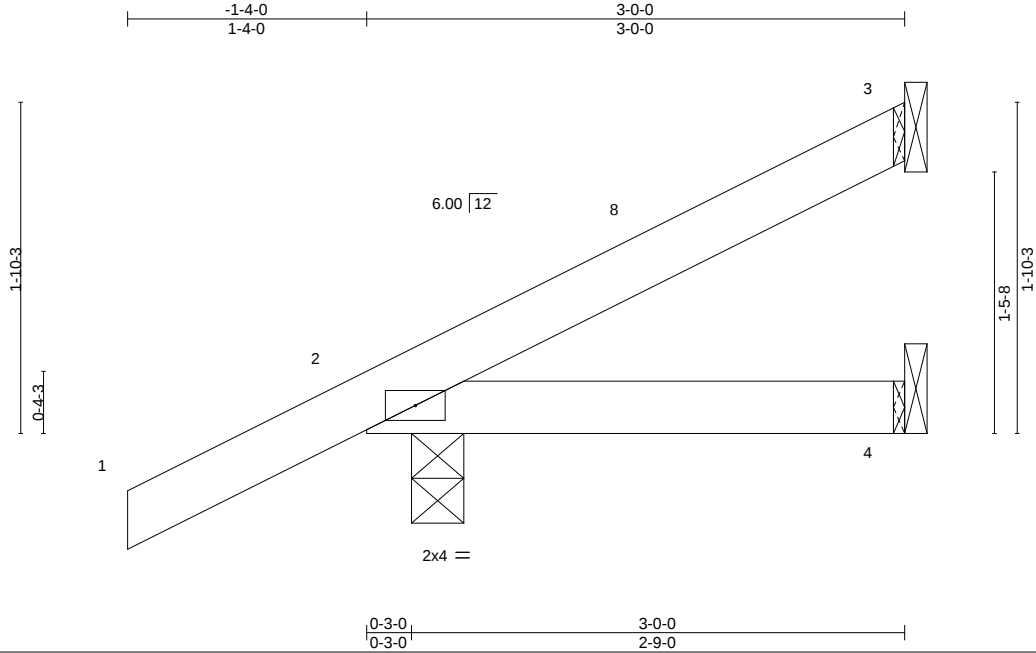
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	1970-C	T40891975
6260925	C3C	CORNER JACK	4	1	Job Reference (optional)	

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

Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:52 2026 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-Crb3_khoW0IC3fX58k8cm15pkSaFSm?TllajeUzOre9



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

LUMBER-

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

BRACING-

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

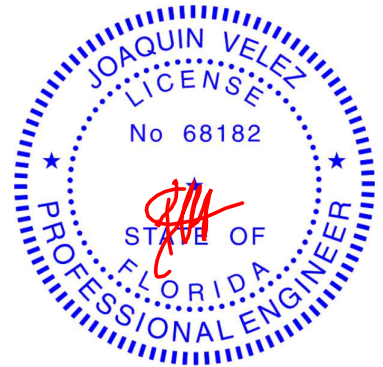
REACTIONS.

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

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

NOTES-

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



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

April 21,2026

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Job 6260925	Truss C3T	Truss Type CORNER JACK	Qty 4	Ply 1	1970-C	T40891976
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Tibbetts Lumber Co., LLC (Ocala, FL),

Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:53 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-g29RB4iQHJQ3hp6HiRfrlWd_UswYADFc_yJGAwzOre8



Scale = 1:12.8

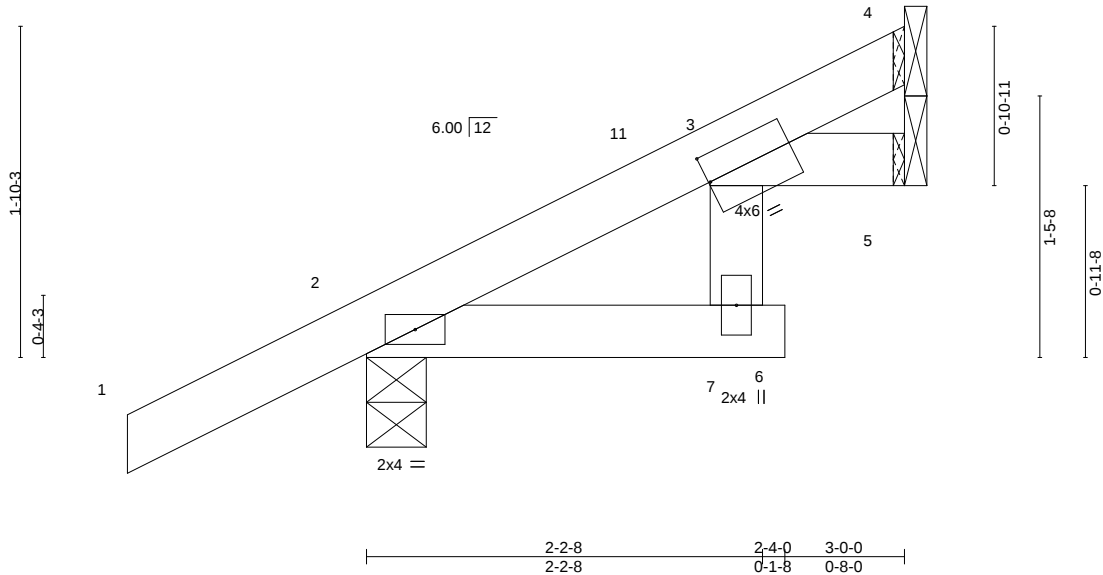


Plate Offsets (X,Y)-- [3:0-0-2,0-1-13]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	L/defl	L/d
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	7	>999
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	7	>999
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MR		Wind(LL)	0.00	7	>999
								PLATES	GRIP
								MT20	244/190
								Weight: 13 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

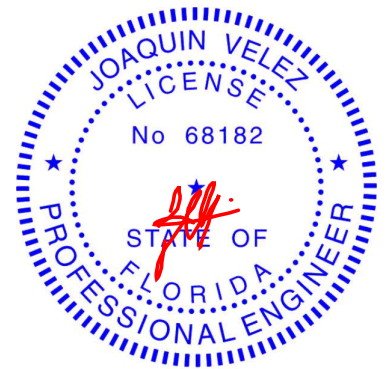
REACTIONS.

(size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=59(LC 12)
Max Uplift 4=-6(LC 12), 2=-44(LC 12)
Max Grav 4=55(LC 1), 2=217(LC 1), 5=49(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) 4, 2.



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

April 21,2026

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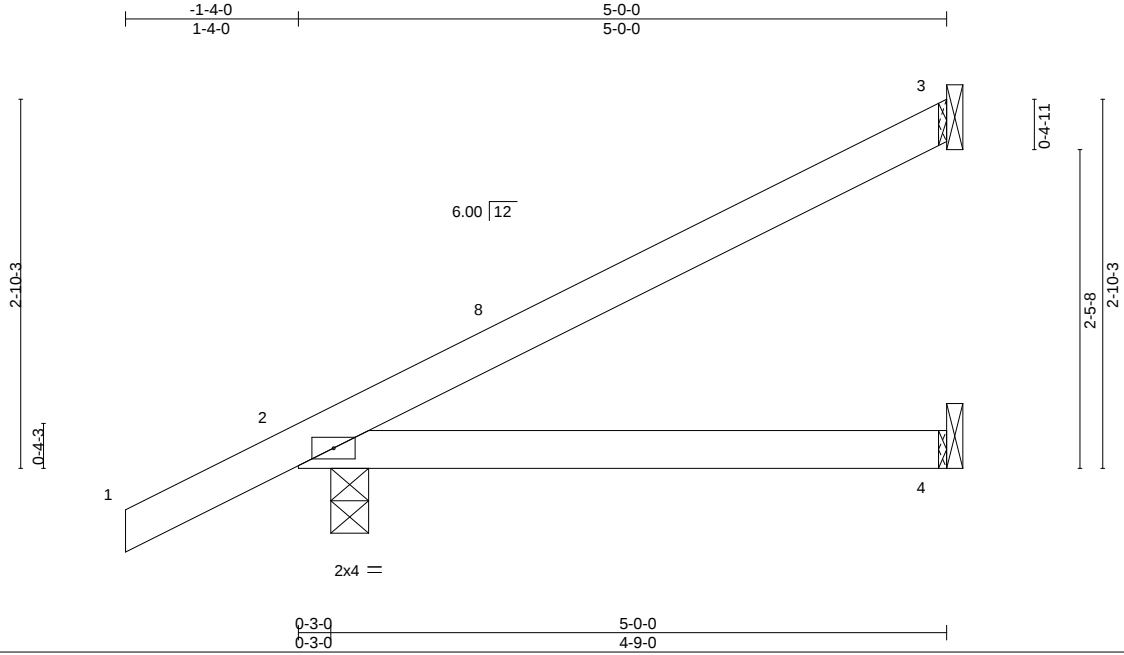
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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	1970-C	T40891977
6260925	C5C	CORNER JACK	4	1	Job Reference (optional)	

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:53 2026 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-g29RB4iQHJQ3hp6HiRfrIWdxTsukADFc_yJGAwzOre8



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.31	Vert(LL) -0.02	4-7	>999	360		MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.25	Vert(CT) -0.06	4-7	>999	240			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00	2	n/a	n/a			
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MP	Wind(LL) 0.03	4-7	>999	240		Weight: 18 lb	FT = 20%

LUMBER-

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

BRACING-

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

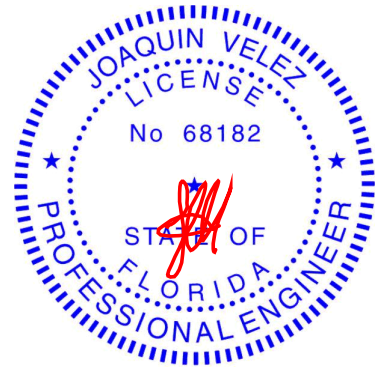
REACTIONS.

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

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

NOTES-

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



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

April 21,2026

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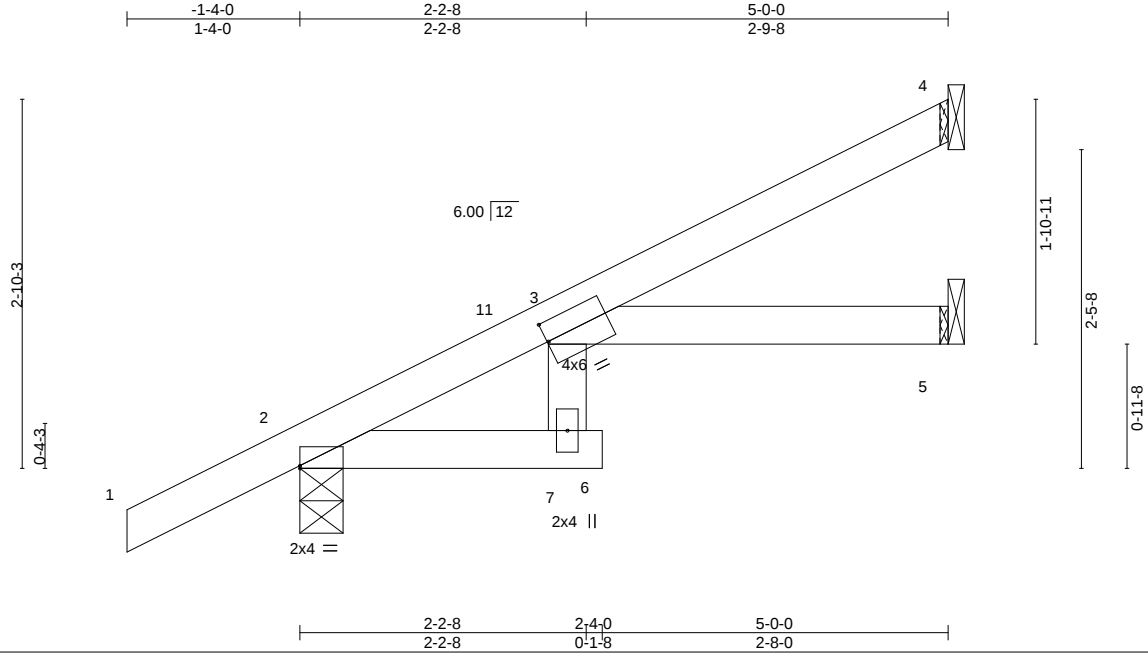
Job	Truss	Truss Type	Qty	Ply	1970-C	T40891978
6260925	C5T	CORNER JACK	4	1		

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

Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:54 2026 Page 1

ID:1JtKGf4dEckC_La6ECUjVhzG9oz-8EjqPQj22dYwlyhUG9A4rjA4MGD3vgVmCc3qiMzOre7



Scale = 1:17.8

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

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

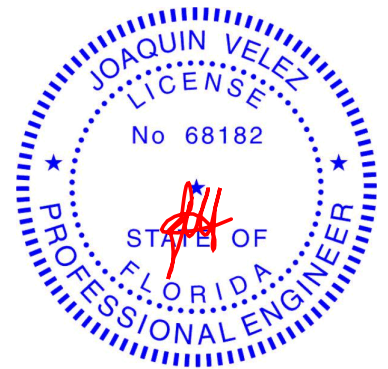
REACTIONS.

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

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

NOTES-

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



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

April 21,2026

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Job	Truss	Truss Type	Qty	Ply	1970-C	T40891979
6260925	E01	MONOPITCH	4	1	Job Reference (optional)	

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

Ocala, FL - 34472,

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:55 2026 Page 1

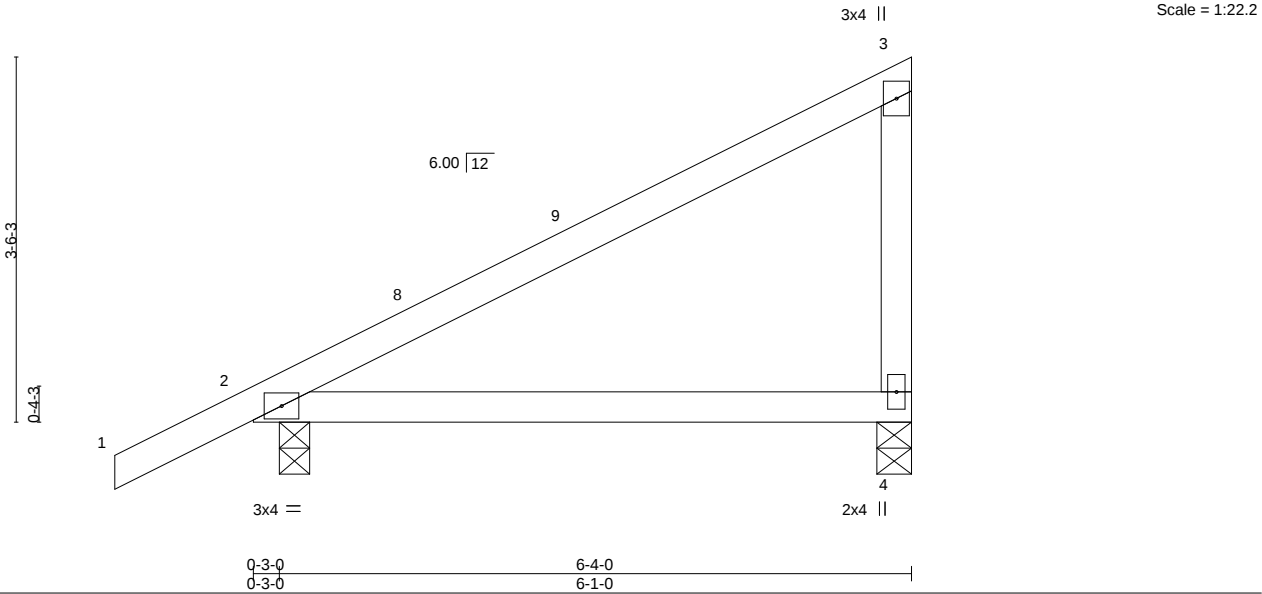
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-cQHcmkhpXgnw6GgpshJNxjFFgYqe7lVRGoNFpzOre6

-1-4-0

1-4-0

6-4-0

6-4-0



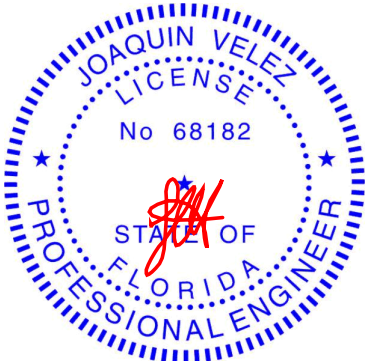
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.42	Vert(LL)	-0.04	4-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.34	Vert(CT)	-0.11	4-7	>694	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL)	0.05	4-7	>999	240	Weight: 27 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) 4=0-4-0, 2=0-3-8
 Max Horz 2=98(LC 12)
 Max Uplift 4=-25(LC 12), 2=-35(LC 12)
 Max Grav 4=239(LC 1), 2=336(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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 6-2-4 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



Joaquin Velez PE No.68182

MiTek Inc. DBA MiTek USA FL Cert 6634

16023 Swingley Ridge Rd. Chesterfield, MO 63017

Date:

April 21,2026

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Chesterfield, MO 63017

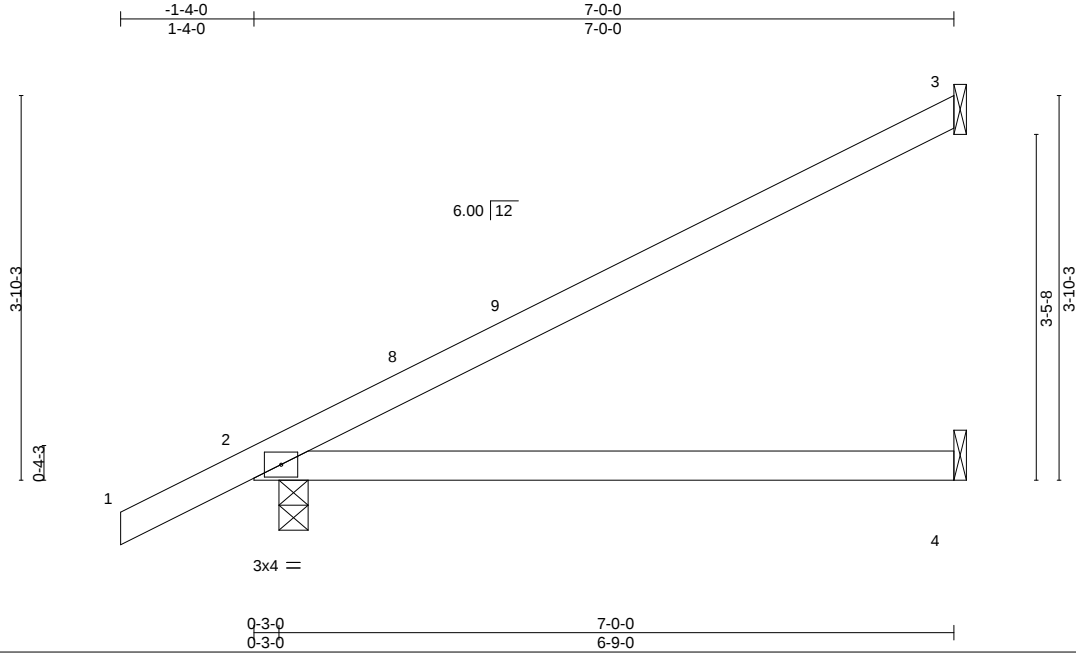
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891980
6260925	E7C	JACK-OPEN	8	1	Job Reference (optional)	

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

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ID:1JtKGF4dEckC_La6ECUjVhzG9oz-cQHcmkhpXgnw6GgppshJNxB?gVhe7lVRGoNFpzOre6



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.69	Vert(LL) -0.09	4-7	>886	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.54	Vert(CT) -0.23	4-7	>361	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS	Wind(LL) 0.17	4-7	>479	240	Weight: 24 lb	FT = 20%

LUMBER-

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

BRACING-

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

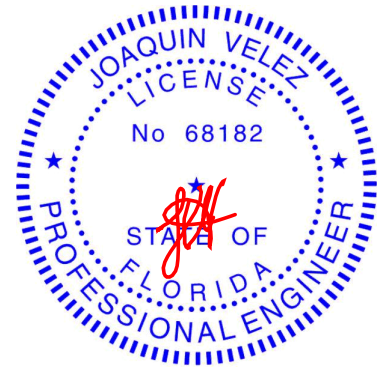
REACTIONS.

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

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

NOTES-

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



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

April 21,2026

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Job	Truss	Truss Type	Qty	Ply	1970-C	T40891981
6260925	E7T	JACK-OPEN	6	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:56 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-4draq6lJaEoeYGrSNaCYw8FLj3p5Na?2gwYxnFzOre5

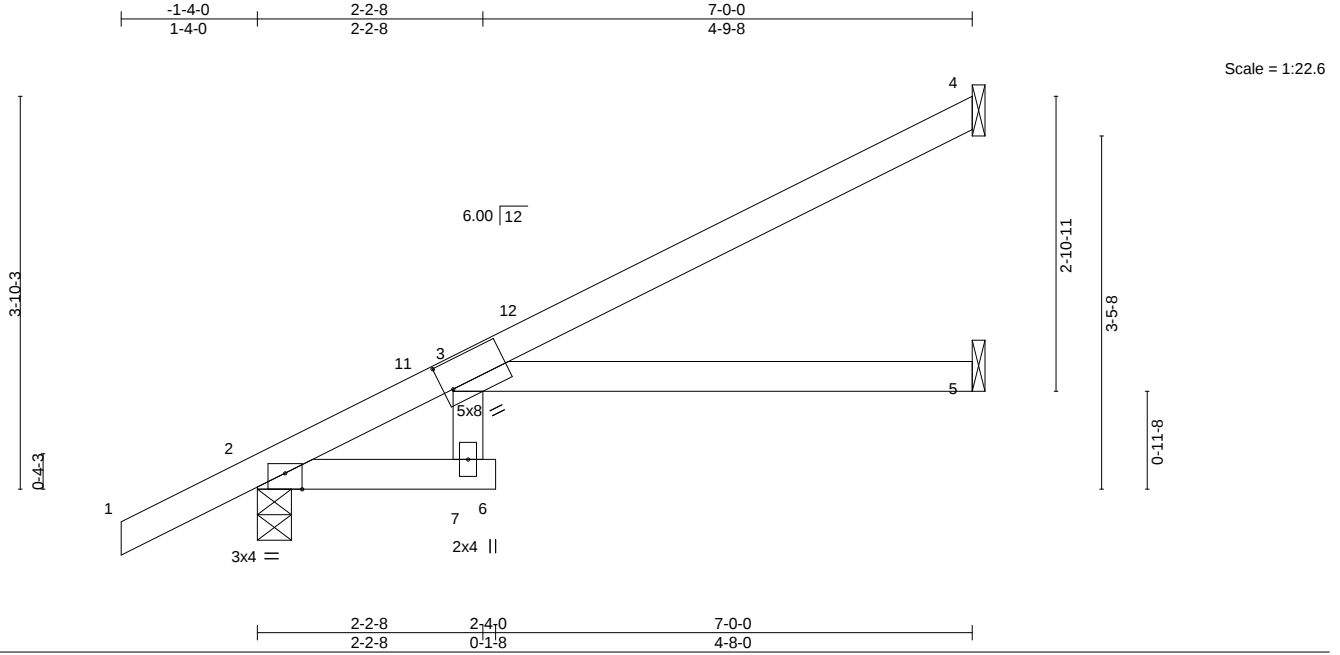


Plate Offsets (X,Y)--		[2:0-2-0,Edge], [3:0-1-2,0-3-3]											
LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.14	in	(loc)	I/defl	L/d	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.29	3-5	>604	360			
BCLL	0.0 *	Rep Stress Incr	YES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

LUMBER-

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

BRACING-

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

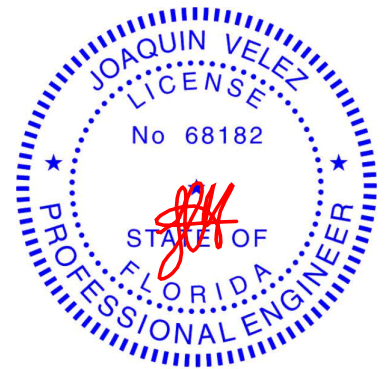
REACTIONS.

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

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

NOTES-

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



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

April 21,2026

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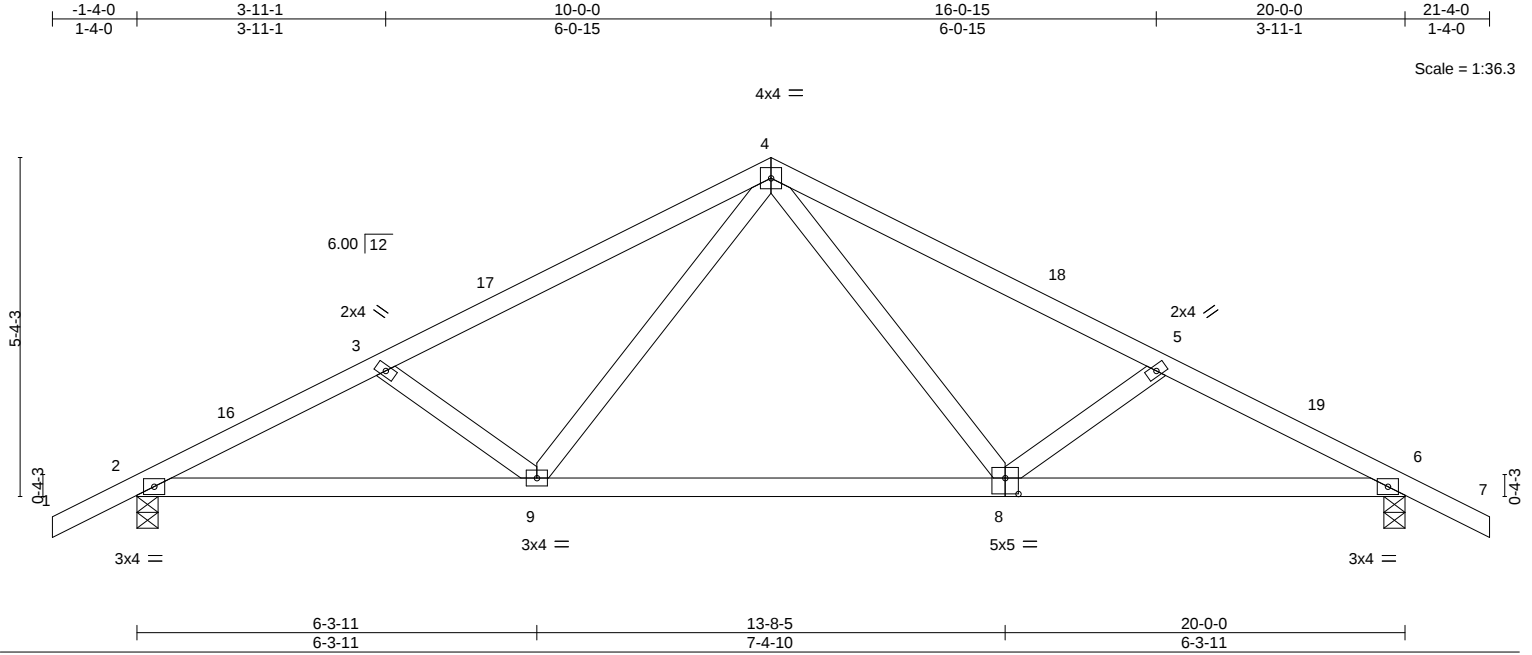
MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891982
6260925	G01	COMMON	2	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:56 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-4draq6lJaEoeYGrSNaCYw8FP83rENZQ2gwYxnFzOre5



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

LUMBER-

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

REACTIONS.

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

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

TOP CHORD 2-3=-1480/207, 3-4=-1255/162, 4-5=-1255/162, 5-6=-1480/207
BOT CHORD 2-9=-127/1312, 8-9=-13/794, 6-8=-143/1312
WEBS 4-8=-9/449, 5-8=-353/157, 4-9=-9/449, 3-9=-353/157

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.



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

April 21,2026

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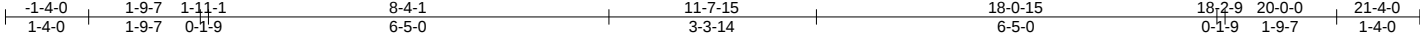
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891983
6260925	G01X	GABLE	1	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:57 2026 Page 1

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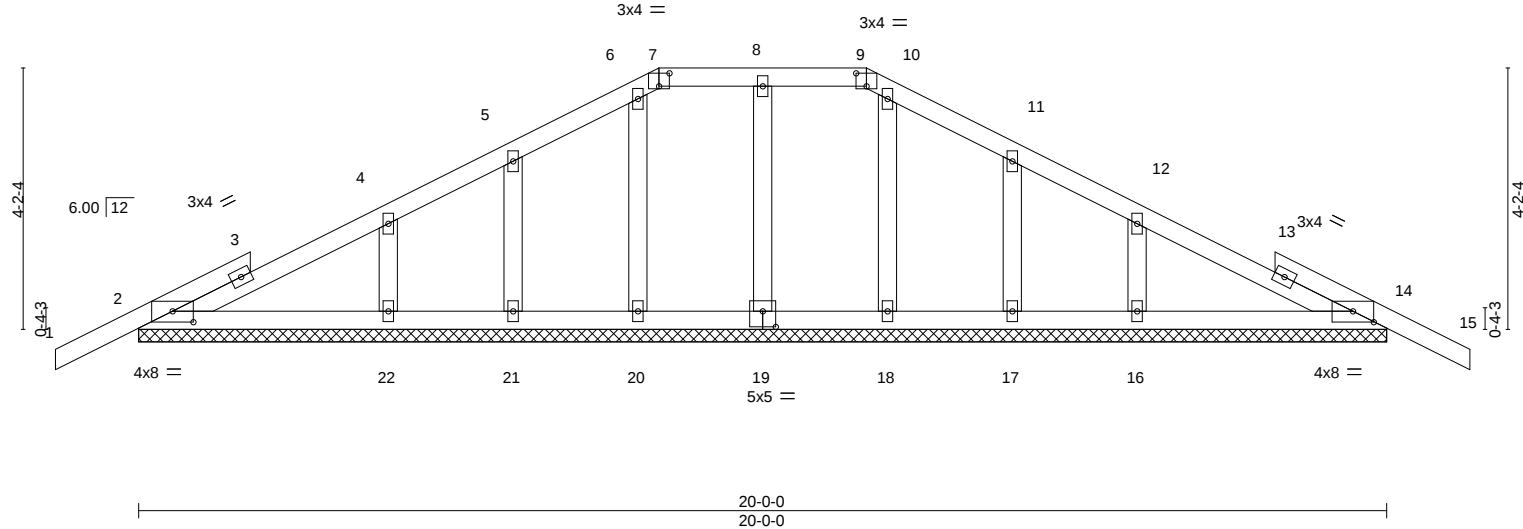


Plate Offsets (X,Y)--	[2:0-4-0,0-2-1], [7:0-2-0,0-2-8], [9:0-2-0,0-2-8], [14:0-4-0,0-2-1], [19:0-2-8,0-3-0]
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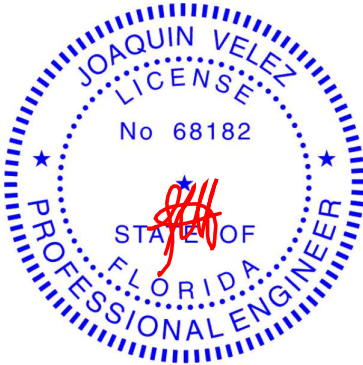
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.16	Vert(LL)	0.00	14	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.11	Vert(CT)	0.00	15	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	14	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S						Weight: 99 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 6-0-0 oc bracing.
OTHERS 2x4 SP No.2	

REACTIONS. All bearings 20-0-0.
(lb) - Max Horz 2=-74(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 22, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 19, 20, 21, 18, 17 except 22=287(LC 23), 16=287(LC 24)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 21, 22, 17, 16.



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

April 21,2026

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MiTek®
16023 Swingley Ridge Rd.
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Job	Truss	Truss Type	Qty	Ply	1970-C	T40891984
6260925	G02	COMMON	4	1		

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:58 2026 Page 1
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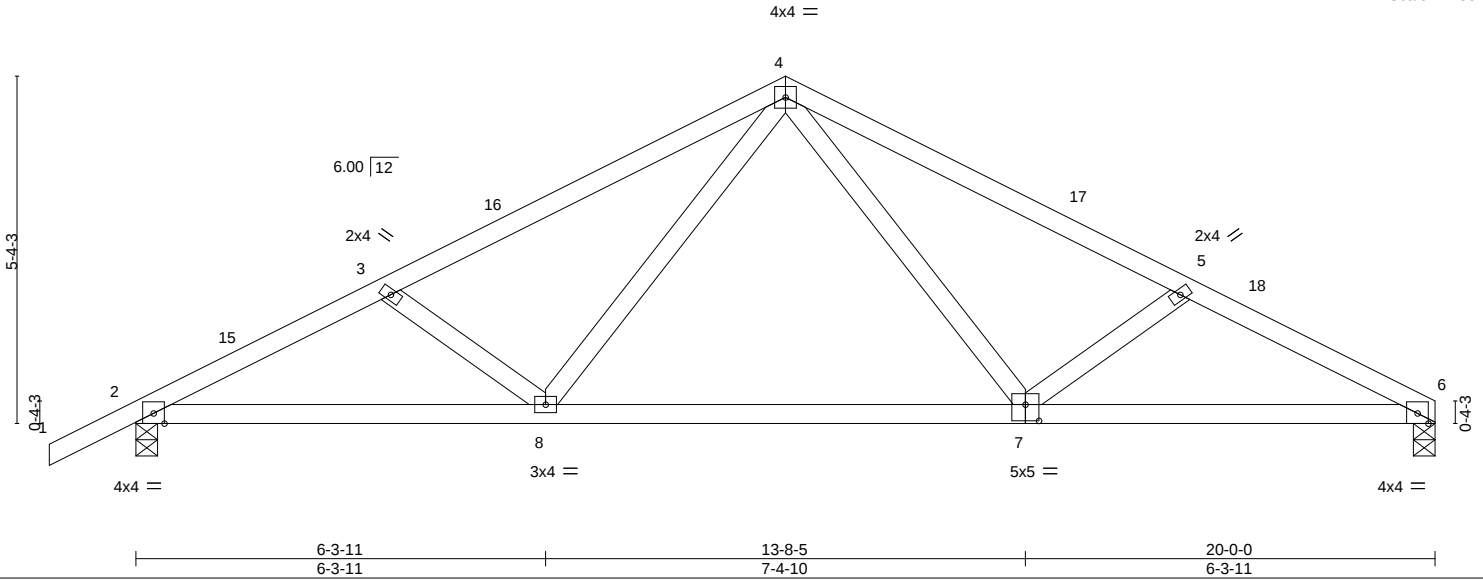


Plate Offsets (X,Y)-- [7:0-2-8,0-3-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.48	Vert(LL)	-0.07	7-8	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.52	Vert(CT)	-0.17	7-8	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	0.03	6	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL)	0.03	7-8	>999	240	Weight: 92 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-6-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

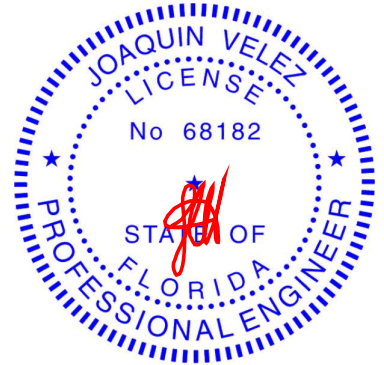
(size) 6=0-4-0, 2=0-4-0
Max Horz 2=91(LC 11)
Max Uplift 6=-33(LC 12), 2=-74(LC 12)
Max Grav 6=797(LC 1), 2=883(LC 1)

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

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

NOTES-

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



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

April 21,2026

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

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

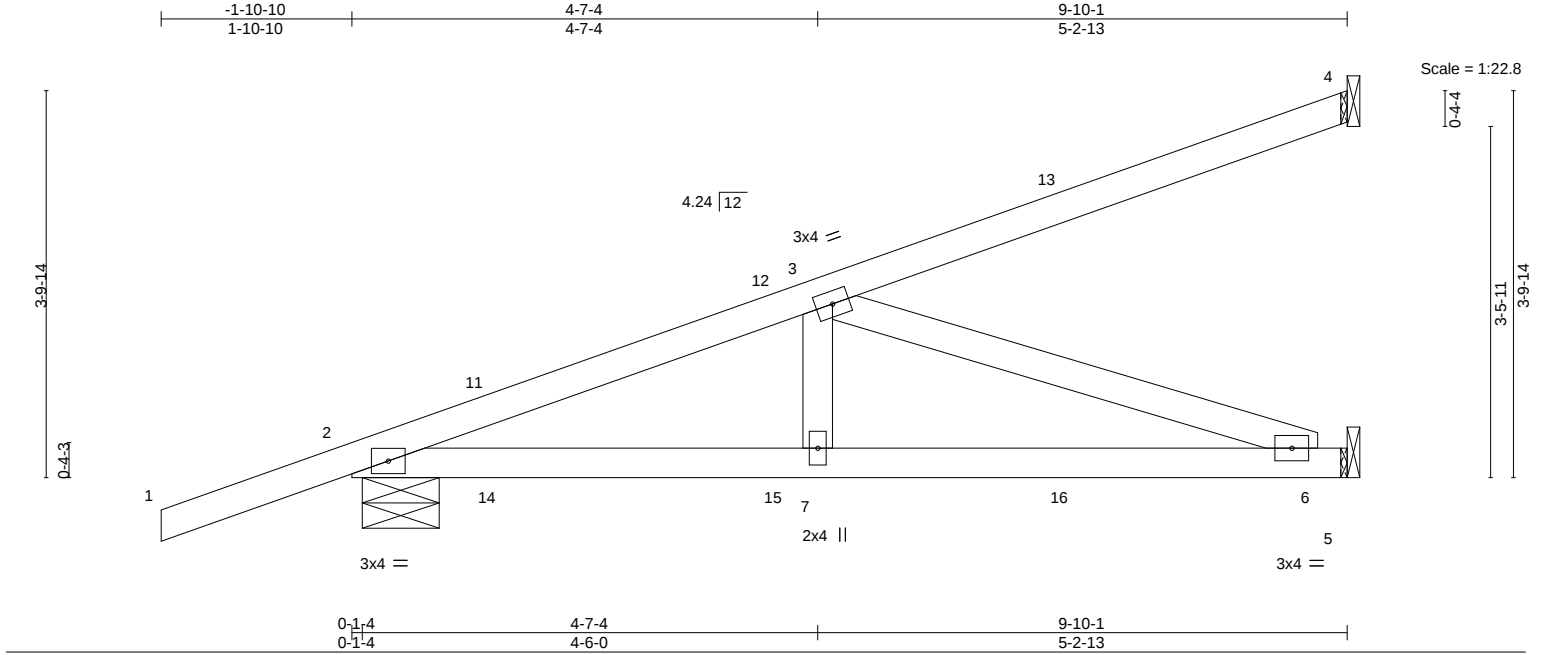
MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1970-C	T40891985
6260925	H7C	DIAGONAL HIP GIRDER	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:44:58 2026 Page 1
ID:1JtKGf4dEckC_La6ECUjVhzG9oz-0?zKEnmZ6s2Mna?FV_E0?ZLjFtUgrOQL7E11r7zOre3



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.63	Vert(LL) -0.05	6-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.65	Vert(CT) -0.12	6-7	>955	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.39	Horz(CT) 0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS	Wind(LL) 0.02	6-7	>999	240		
							Weight: 43 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

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

FORCES.

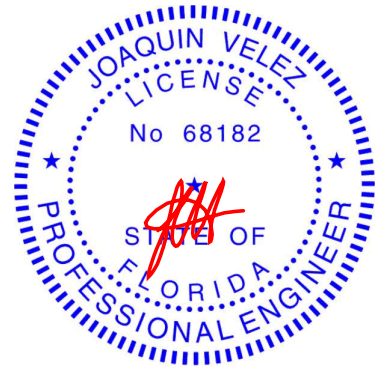
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-798/0
BOT CHORD 2-7=-13/749, 6-7=-13/749
WEBS 3-7=0/297, 3-6=-791/13

NOTES-

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

LOAD CASE(S) Standard

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



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

April 21, 2026

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Job	Truss	Truss Type	Qty	Ply	1970-C	T40891987
6260925	H7T	DIAGONAL HIP GIRDER	2	1		

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Mar 11 2026 MiTek Industries, Inc. Mon Apr 20 10:45:00 2026
Page 1
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-1-10-10
1-10-10
3-2-13
3-2-13
6-4-11
3-1-14
9-10-1
3-5-6

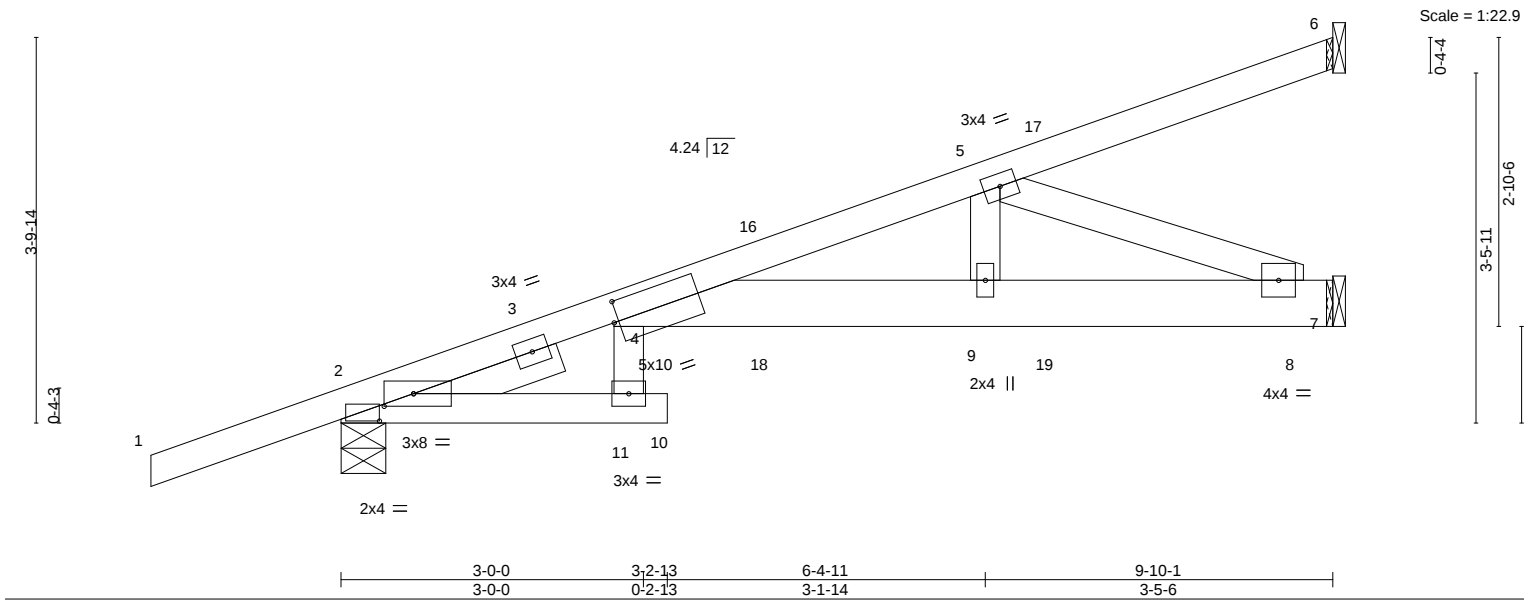


Plate Offsets (X,Y)--		[2:0-3-8,0-1-8], [2:0-4-1,0-3-4], [4:0-0-9,0-2-8]			
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	PLATES
TCLL 20.0	Plate Grip DOL	1.25	TC 0.85	in (loc) l/defl L/d	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.81	Vert(LL) -0.13 4 >895 360	GRIP 244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.24	Vert(CT)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

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

REACTIONS. (size) 6=Mechanical, 2=0-5-5, 7=Mechanical

Max Horz 2=108(LC 27)

Max Uplift 6=-60(LC 8), 2=-12(LC 8)

Max Grav 6=210(LC 1), 2=487(LC 1), 7=393(LC 1)

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

TOP CHORD 4-13=-468/0, 4-5=-1063/0

BOT CHORD 4-11=0/388, 4-9=0/994, 8-9=0/1002

WEBS 5-9=0/417, 5-8=-1079/0

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

LOAD CASE(S) Standard

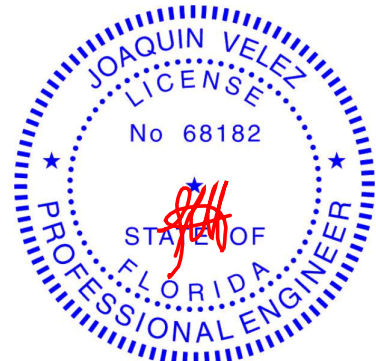
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-60, 4-6=-60, 11-12=-20, 10-11=-20, 4-7=-20

Concentrated Loads (lb)

Vert: 6=-128(B) 13=117(F=58, B=58) 17=-55(F=-28, B=-28) 18=-38(F=-19, B=-19) 19=-96(F=-48, B=-48)

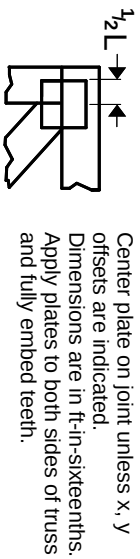


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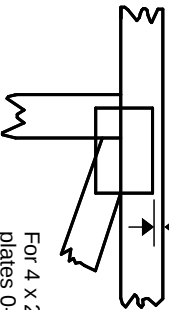
April 21,2026

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

4 X 4

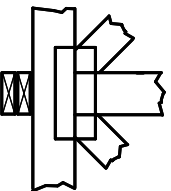
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

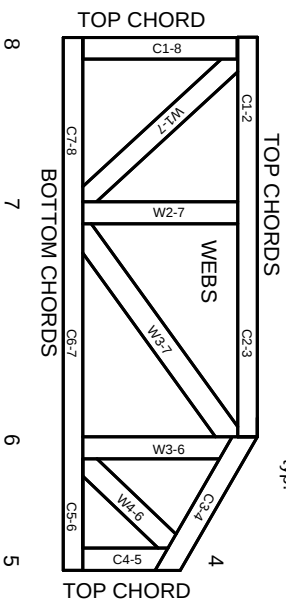
Industry Standards:

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

Numbering System

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

1 2 3 Joint ID typ.



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

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

Product Code Approvals

ICC-ES Reports:

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

Design General Notes

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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