

RE: 6252820
2508-A 3 Car Fe

MiTek, Inc.

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer: Adams Homes-Gainesville Project Name: 6252820
Lot/Block: 33 Model: 2508-A-3Car FE
Address: 483 SW Bellflower, . Subdivision: The Preserve @ Laurel Lake
City: Lake City State: FL

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

Design Code: FBC2023/TPI2014
Wind Code: ASCE 7-22
Roof Load: 40.0 psf

Design Program: MiTek 20/20 8.8
Wind Speed: 130 mph
Floor Load: N/A psf

This package includes 55 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	T39219951	A01	11/18/2025	21	T39219971	B01	11/18/2025
2	T39219952	A02	11/18/2025	22	T39219972	B02	11/18/2025
3	T39219953	A03	11/18/2025	23	T39219973	B03	11/18/2025
4	T39219954	A04	11/18/2025	24	T39219974	B04	11/18/2025
5	T39219955	A05	11/18/2025	25	T39219975	B05	11/18/2025
6	T39219956	A06	11/18/2025	26	T39219976	C1	11/18/2025
7	T39219957	A07	11/18/2025	27	T39219977	C1A	11/18/2025
8	T39219958	A08	11/18/2025	28	T39219978	C1E	11/18/2025
9	T39219959	A09	11/18/2025	29	T39219979	C1K	11/18/2025
10	T39219960	A10	11/18/2025	30	T39219980	C1V	11/18/2025
11	T39219961	A11	11/18/2025	31	T39219981	C3	11/18/2025
12	T39219962	A12	11/18/2025	32	T39219982	C3A	11/18/2025
13	T39219963	A13	11/18/2025	33	T39219983	C3K	11/18/2025
14	T39219964	A14	11/18/2025	34	T39219984	C3V	11/18/2025
15	T39219965	A15	11/18/2025	35	T39219985	C5	11/18/2025
16	T39219966	A16	11/18/2025	36	T39219986	C5A	11/18/2025
17	T39219967	A17	11/18/2025	37	T39219987	C5K	11/18/2025
18	T39219968	A18	11/18/2025	38	T39219988	C5V	11/18/2025
19	T39219969	A19	11/18/2025	39	T39219989	E01	11/18/2025
20	T39219970	A20	11/18/2025	40	T39219990	E02	11/18/2025

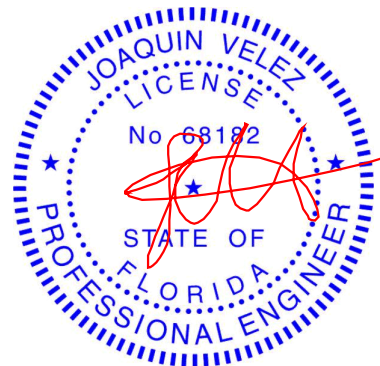
The truss drawing(s) referenced above have been prepared by
MiTek USA, Inc. under my direct supervision
based on the parameters provided by Tibbetts Lumber Co., LLC.

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:

November 18, 2025



RE: 6252820 - 2508-A 3 Car Fe

MiTek, Inc.

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Project Customer: Adams Homes-Gainesville Project Name: 6252820

Lot/Block: 33

Subdivision: The Preserve @ Laurel Lake

Address: 483 SW Bellflower , .

City, County: Lake City

State: FL

No.	Seal#	Truss Name	Date
41	T39219991	E3E	11/18/2025
42	T39219992	E7	11/18/2025
43	T39219993	E7K	11/18/2025
44	T39219994	E7V	11/18/2025
45	T39219995	H7	11/18/2025
46	T39219996	H7K	11/18/2025
47	T39219997	H7V	11/18/2025
48	T39219998	HJ3E	11/18/2025
49	T39219999	K01	11/18/2025
50	T39220000	K02	11/18/2025
51	T39220001	K03	11/18/2025
52	T39220002	PB1	11/18/2025
53	T39220003	PB2	11/18/2025
54	T39220004	PB3	11/18/2025
55	T39220005	PB4	11/18/2025

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe
6252820	A01	HALF HIP GIRDER	1	2	T39219951

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:10 2025 Page 2

ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-?6CWkecnUgHv6YU8iOkCPqk?xD095n7FbmxQehyIFI7

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 256 lb down and 173 lb up at 7-0-0, 133 lb down and 89 lb up at 9-0-12, 133 lb down and 89 lb up at 11-0-12, 133 lb down and 89 lb up at 13-0-12, 133 lb down and 89 lb up at 15-0-12, 133 lb down and 89 lb up at 17-0-12, 133 lb down and 89 lb up at 19-0-12, 133 lb down and 89 lb up at 21-0-12, 133 lb down and 89 lb up at 23-0-12, 133 lb down and 89 lb up at 25-0-12, 133 lb down and 89 lb up at 27-0-12, 133 lb down and 89 lb up at 29-0-12, 133 lb down and 89 lb up at 31-0-12, 133 lb down and 89 lb up at 33-0-12, 133 lb down and 89 lb up at 35-0-12, 133 lb down and 89 lb up at 37-0-12, 133 lb down and 89 lb up at 39-0-12, and 133 lb down and 89 lb up at 41-0-12, and 142 lb down and 86 lb up at 43-0-12 on top chord, and 316 lb down at 7-0-0, 95 lb down at 9-0-12, 95 lb down at 11-0-12, 95 lb down at 13-0-12, 95 lb down at 15-0-12, 95 lb down at 17-0-12, 95 lb down at 19-0-12, 95 lb down at 21-0-12, 95 lb down at 23-0-12, 95 lb down at 25-0-12, 95 lb down at 27-0-12, 95 lb down at 29-0-12, 95 lb down at 31-0-12, 95 lb down at 33-0-12, 95 lb down at 35-0-12, 95 lb down at 37-0-12, 95 lb down at 39-0-12, and 95 lb down at 41-0-12, and 101 lb down at 43-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-60, 4-10=-60, 2-11=-20

Concentrated Loads (lb)

Vert: 4=-209(F) 17=-281(F) 16=-48(F) 5=-133(F) 6=-133(F) 15=-48(F) 18=-133(F) 19=-133(F) 21=-133(F) 22=-133(F) 23=-133(F) 24=-133(F) 25=-133(F) 26=-133(F) 28=-133(F) 29=-133(F) 30=-133(F) 31=-133(F) 33=-133(F) 34=-133(F) 35=-133(F) 36=-142(F) 37=-48(F) 38=-48(F) 39=-48(F) 40=-48(F) 41=-48(F) 42=-48(F) 43=-48(F) 44=-48(F) 45=-48(F) 46=-48(F) 47=-48(F) 48=-48(F) 49=-48(F) 50=-48(F) 51=-48(F) 52=-51(F)

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

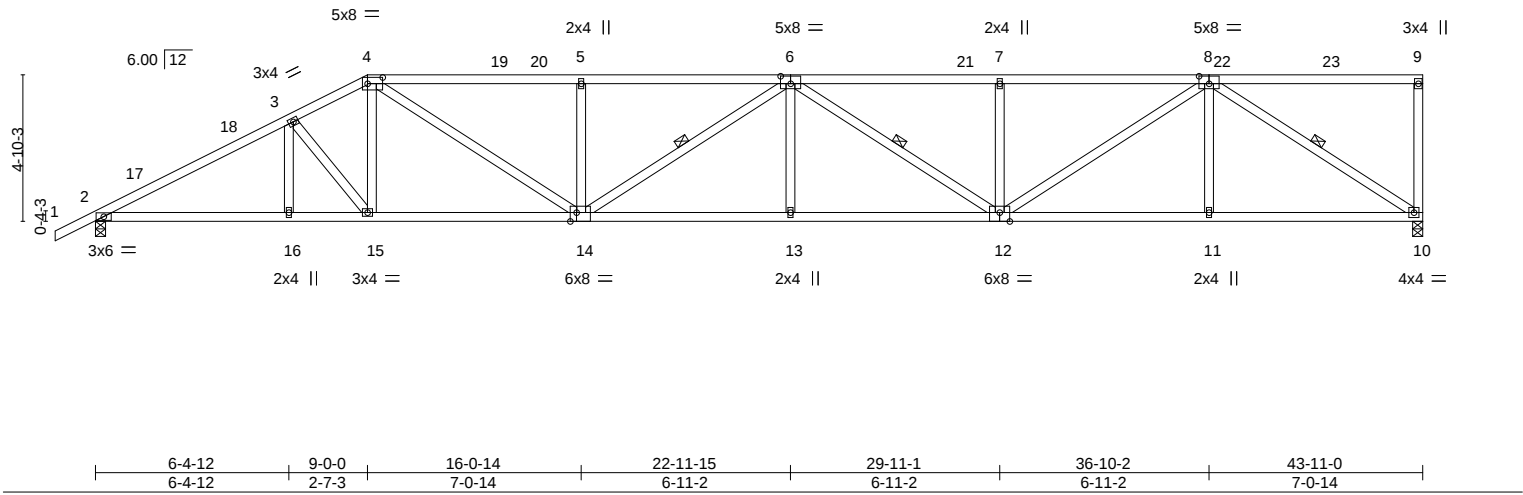
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219952
6252820	A02	HALF HIP	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:11 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-TImuxzdPE_Pmki3KG5FRy1H5adNPqDAOqQg_A7yIFi6
1-4-0 6-4-12 9-0-0 16-0-14 22-11-15 29-11-1 36-10-2 43-11-0
1-4-0 6-4-12 2-7-3 7-0-14 6-11-2 6-11-2 6-11-2 7-0-14

Scale = 1:76.2



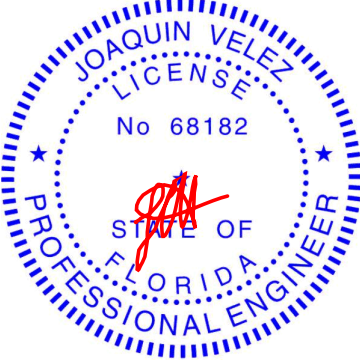
LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.80	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.85	Vert(LL) -0.34 13 >999 360		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.87	Vert(CT) -0.69 13-14 >759 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.20 10 n/a n/a		
	Code FBC2023/TPI2014		Wind(LL) 0.21 13 >999 240	Weight: 241 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 4-6: 2x4 SP M 31 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 12-14: 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	WEBS 1 Row at midpt 6-14, 6-12, 8-10

REACTIONS.	(size) 10=0-4-0, 2=0-4-0
	Max Horz 2=132(LC 12)
	Max Uplift 10=-81(LC 12), 2=-114(LC 12)
	Max Grav 10=1743(LC 1), 2=1836(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-3366/220, 3-4=-3081/236, 4-5=-3934/281, 5-6=-3933/281, 6-7=-3675/234, 7-8=-3675/234
BOT CHORD	2-16=-268/2913, 15-16=-268/2913, 14-15=-219/2723, 13-14=-278/4220, 12-13=-278/4220, 11-12=-146/2305, 10-11=-146/2305
WEBS	3-15=-313/75, 4-15=-1/367, 4-14=-79/1501, 5-14=-448/132, 6-14=-406/15, 6-13=0/275, 6-12=-652/54, 7-12=-407/111, 8-12=-109/1641, 8-11=0/299, 8-10=-2724/172

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 1-4-0 to 1-8-0, Zone1 1-8-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 43-9-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

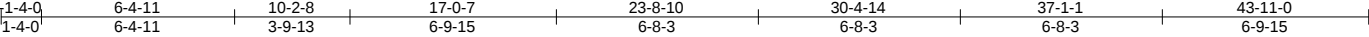
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

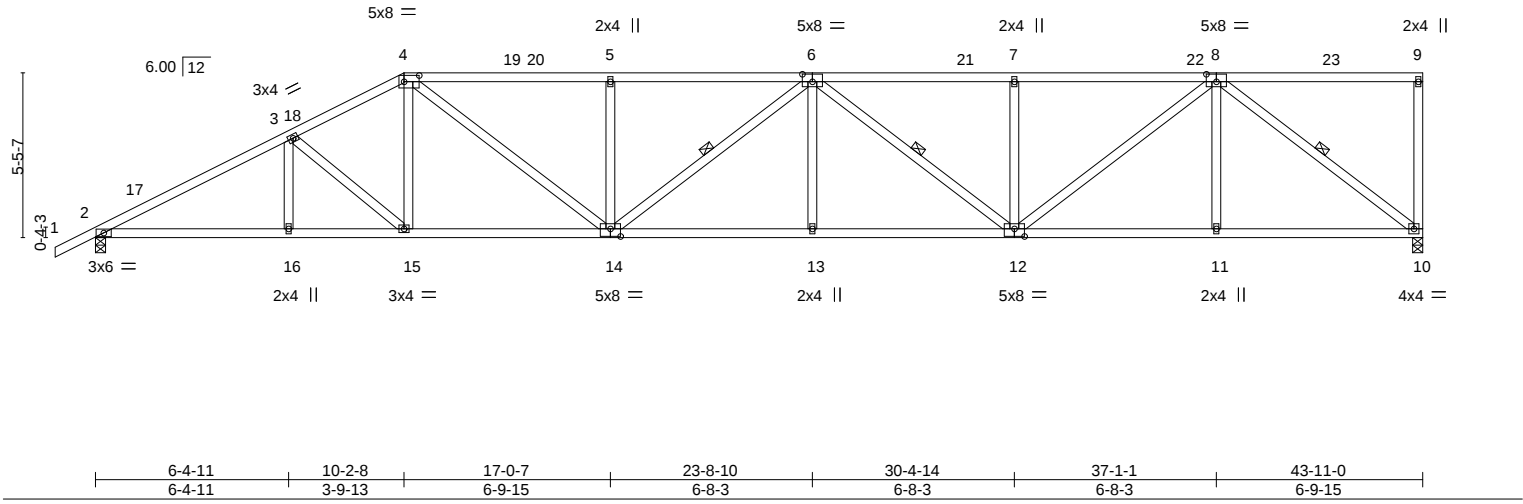
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219953
6252820	A03	HALF HIP	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:11 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-TImuxzdPE_Pmki3KG5FRy1H5OdMaqE1OqQg_A7yIFi6



Scale = 1:76.2



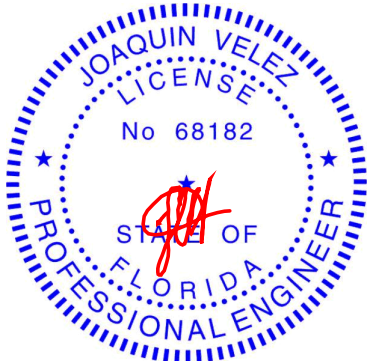
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.30 13-14 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.61 13-14 >858 240				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.20 10 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.18 13-14 >999 240				
								Weight: 249 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 4-6: 2x4 SP M 31 or 2x4 SP SS	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 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	WEBS	1 Row at midpt 6-14, 6-12, 8-10

REACTIONS. (size) 10=0-4-0, 2=0-4-0
Max Horz 2=146(LC 12)
Max Uplift 10=-83(LC 12), 2=-112(LC 12)
Max Grav 10=1743(LC 1), 2=1836(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3368/216, 3-4=-2995/227, 4-5=-3551/262, 5-6=-3551/263, 6-7=-3181/208, 7-8=-3181/208
BOT CHORD 2-16=-280/2916, 15-16=-280/2916, 14-15=-221/2634, 13-14=-252/3706, 12-13=-252/3706, 11-12=-128/1975, 10-11=-128/1975
WEBS 3-15=-376/77, 4-15=0/385, 4-14=-59/1225, 5-14=-435/128, 6-14=-270/15, 6-13=0/265, 6-12=-664/57, 7-12=-394/107, 8-12=-104/1524, 8-11=0/289, 8-10=-2466/160

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; 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 10-2-8, Zone2 10-2-8 to 14-5-7, Zone1 14-5-7 to 43-9-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

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

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219954
6252820	A04	HIP	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:12 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-yUKH9Je1?IXdLseXpomgVFpF71jpZiUY24QXiZyIFi5

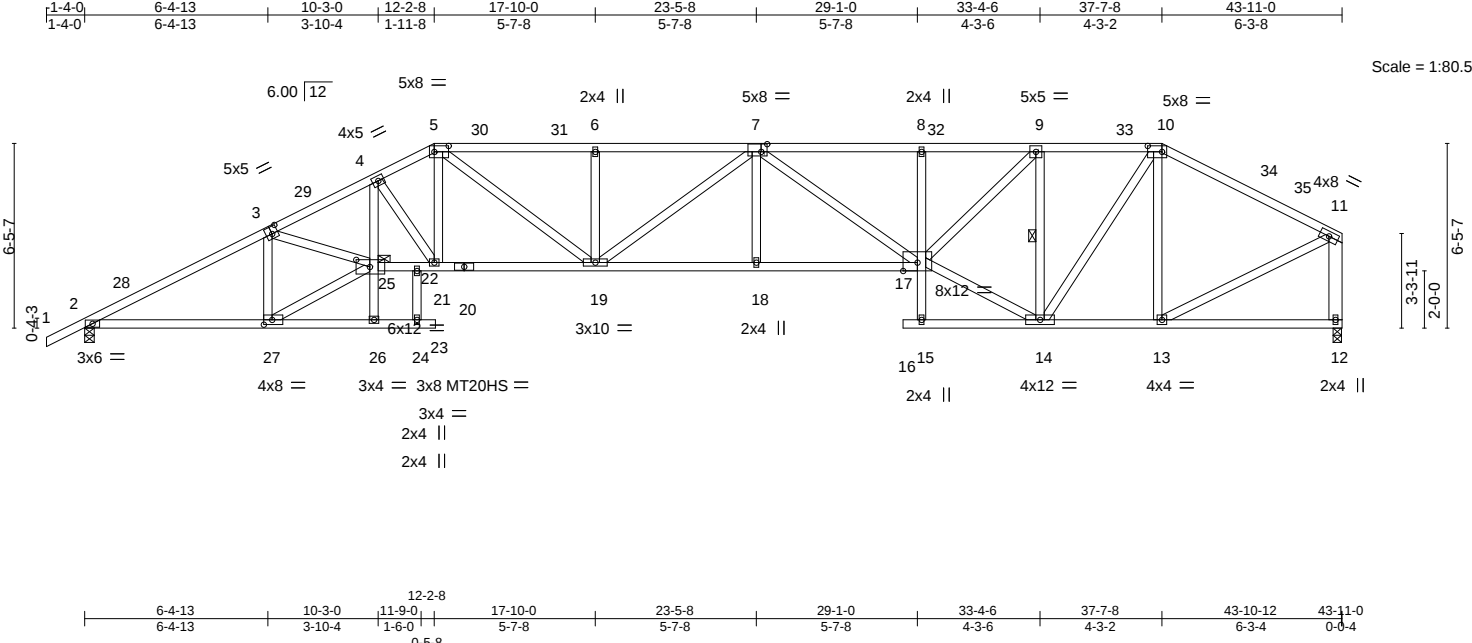


Plate Offsets (X,Y)--		[3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [7:0-2-8,0-3-4], [10:0-6-0,0-2-8], [25:0-5-12,0-3-0], [27:0-3-8,0-2-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.43 18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.87 18-19	>601	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.40 12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.26 18-19	>999	240	Weight: 285 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 20-25,17-20: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.2 *Except* 11-12: 2x6 SP No.2	10-0-0 oc bracing: 21-22, 15-17
	1 Row at midpt 9-14
	JOINTS 1 Brace at Jt(s): 25

REACTIONS. (size) 2=0-4-0, 12=0-3-8
Max Horz 2=97(LC 12)
Max Uplift 2=-108(LC 12), 12=-71(LC 12)
Max Grav 2=1846(LC 1), 12=1751(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3401/214, 3-4=-4953/365, 4-5=-4116/315, 5-6=-4466/338, 6-7=-4466/339, 7-8=-4107/310, 8-9=-4076/309, 9-10=-2256/210, 10-11=-1793/153, 11-12=-1691/162
BOT CHORD 2-27=-220/2945, 4-25=-84/1234, 22-25=-290/4376, 21-22=-290/4375, 19-21=-215/3711, 18-19=-257/4614, 17-18=-257/4614, 8-17=-297/85, 13-14=-80/1513
WEBS 3-27=-1467/187, 25-27=-246/3248, 3-25=-68/1454, 4-21=-1189/129, 5-21=-41/1013, 5-19=-60/1052, 6-19=-347/107, 7-19=-294/2, 7-17=-654/39, 14-17=-135/2428, 9-17=-140/2580, 9-14=-2067/172, 10-14=-82/1343, 10-13=-623/106, 11-13=-81/1648

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 12-2-8, Zone2 12-2-8 to 16-5-7, Zone1 16-5-7 to 37-7-8, Zone2 37-7-8 to 41-10-7, Zone1 41-10-7 to 43-8-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

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

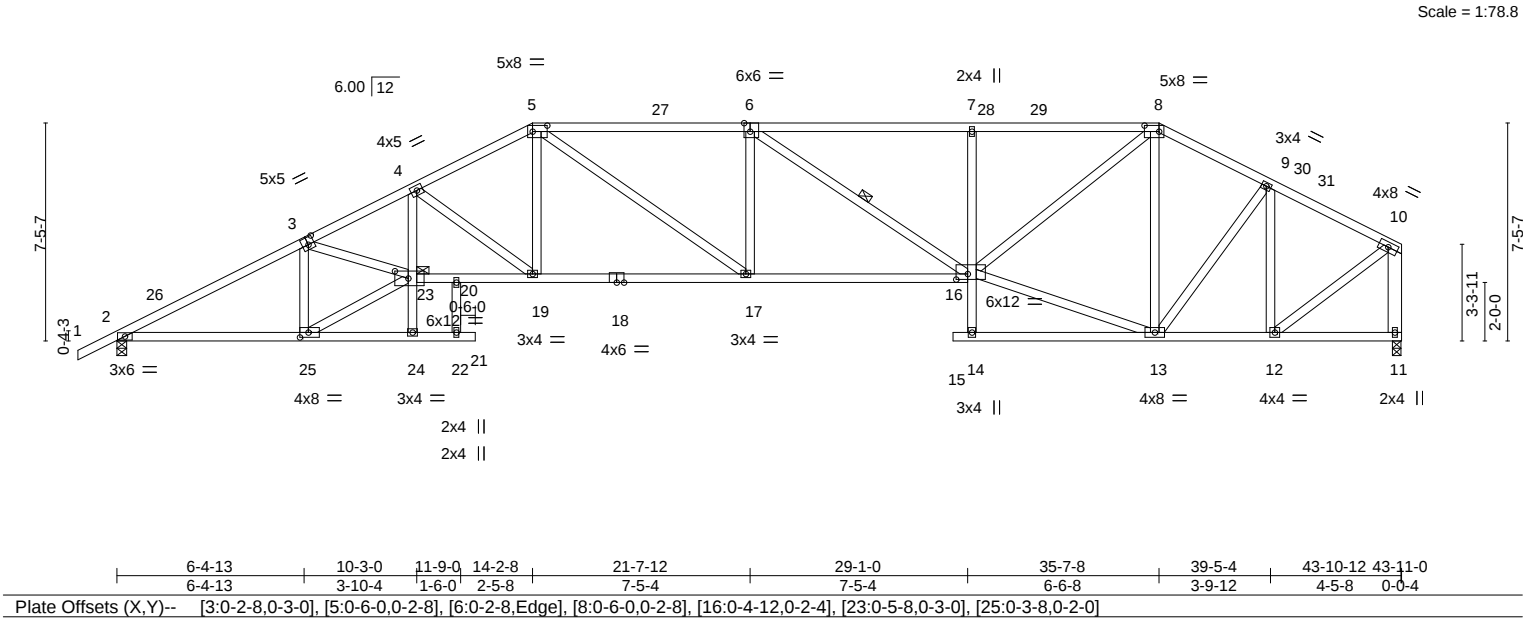
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.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	2508-A 3 Car Fe	T39219955
6252820	A05	HIP	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:13 2025 Page 1
ID:Ts3RJ0261_Xu2fygSyBHAWzZSLZ-QhufMfefmbfUz0DjnNWHv1SMQtr3119RhHk95FyIFi4



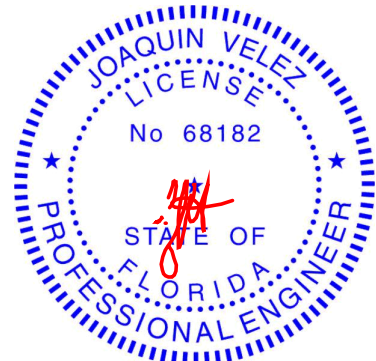
LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.81	Vert(LL)	-0.32	17-19	>999	360	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.84	Vert(CT)	-0.68	17-19	>769	240	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.75	Horz(CT)	0.33	11	n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.20	17-19	>999	240	
								Weight: 286 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 5-6: 2x4 SP M 31 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 18-23,16-18: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.2 *Except* 10-11: 2x6 SP No.2	WEBS 10-0-0 oc bracing: 14-16 1 Row at midpt 6-16
	JOINTS 1 Brace at Jt(s): 23

REACTIONS. (size) 2=0-4-0, 11=0-3-8
Max Horz 2=101(LC 11)
Max Uplift 2=-108(LC 12), 11=-71(LC 12)
Max Grav 2=1846(LC 1), 11=1751(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3399/212, 3-4=-4949/362, 4-5=-3663/290, 5-6=-3777/309, 6-7=-3342/287,
7-8=-3325/290, 8-9=-1884/190, 9-10=-1511/131, 10-11=-1705/152
BOT CHORD 2-25=-217/2943, 4-23=-56/1223, 20-23=-294/4389, 19-20=-294/4387, 17-19=-176/3270,
16-17=-201/3777, 7-16=-437/129, 12-13=-80/1303
WEBS 3-25=-1456/181, 23-25=-235/3233, 3-23=-71/1457, 4-19=-1414/147, 5-19=-10/930,
5-17=-39/778, 6-17=-276/121, 6-16=-578/35, 13-16=-83/1644, 8-16=-136/2189,
8-13=-835/90, 9-13=-0/610, 9-12=-864/103, 10-12=-96/1580

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 14-2-8, Zone2 14-2-8 to 18-5-7, Zone1 18-5-7 to 35-7-8, Zone2 35-7-8 to 39-10-7, Zone1 39-10-7 to 43-8-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

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

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219957
6252820	A07	HIP	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:14 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAwZsZSLZ-utR1a?fHXvnLbAovxDP8agvavrPg1YRrWOvenSylFI3

1-4-0	4-4-12	6-3-8	8-4-11	14-0-12	18-2-8	23-7-12	29-1-0	31-7-8	39-5-5	43-11-0
1-4-0	4-4-12	1-10-12	2-1-3	5-8-1	4-1-12	5-5-4	5-5-4	2-6-8	7-9-13	4-5-11

Scale = 1:78.7

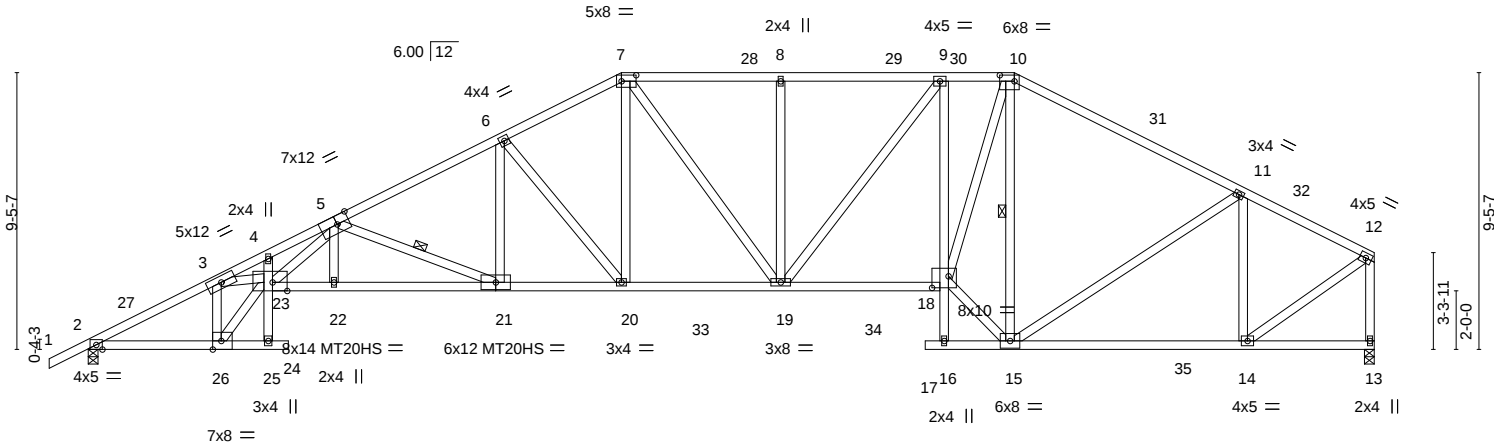


Plate Offsets (X,Y)--	[5:0-5-0,Edge], [7:0-6-0,0-2-8], [10:0-6-0,0-2-8], [18:0-6-12,0-4-12], [23:0-6-0,Edge], [26:0-3-8,Edge]
-----------------------	---

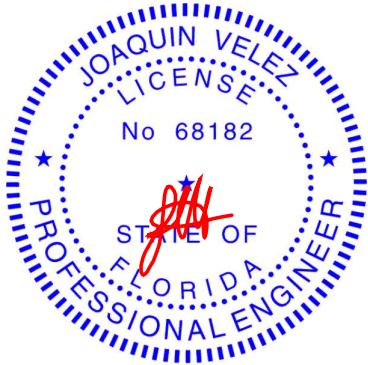
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.85	Vert(LL) -0.52 21-22	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.88	Vert(CT) -0.96 21-22	>543	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.96	Horz(CT) 0.59 13	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL) 0.26 24	>999	240	Weight: 305 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 10-12,1-5: 2x4 SP M 31 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 1-6-4 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 21-23: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.2 *Except* 23-26,3-23: 2x4 SP M 31 or 2x4 SP SS	WEBS 6-0-0 oc bracing: 16-18 10-0-0 oc bracing: 23-25 1 Row at midpt 5-21, 10-15

REACTIONS. (size) 2=0-4-0, 13=0-4-0
Max Horz 2=134(LC 11)
Max Uplift 2=-107(LC 12), 13=-71(LC 12)
Max Grav 2=2071(LC 17), 13=1979(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3881/204, 3-4=-9892/600, 4-5=-9738/604, 5-6=-4262/304, 6-7=-3344/287,
7-8=-3037/279, 8-9=-3036/279, 9-10=-2783/261, 10-11=-2244/213, 11-12=-1755/132,
12-13=-1936/143
BOT CHORD 2-26=-224/3473, 4-23=-18/308, 22-23=-370/6129, 21-22=-371/6123, 20-21=-202/3813,
19-20=-119/3009, 18-19=-107/2843, 9-18=-547/83, 14-15=-90/1554
WEBS 3-26=-3675/289, 23-26=-316/4920, 3-23=-314/5399, 5-23=-236/3821, 5-22=0/301,
5-21=-2489/182, 6-21=-6/1094, 6-20=-1279/129, 7-20=-46/1165, 7-19=-23/327,
8-19=-371/112, 9-19=-30/419, 15-18=-70/2685, 10-18=-123/2769, 10-15=-1921/123,
11-15=0/513, 11-14=-840/151, 12-14=-111/1896

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 18-2-8, Zone2 18-2-8 to 22-5-7, Zone1 22-5-7 to 31-7-8, Zone2 31-7-8 to 35-10-7, Zone1 35-10-7 to 43-9-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - The Fabrication Tolerance at joint 23 = 0%
 - 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.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 13. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

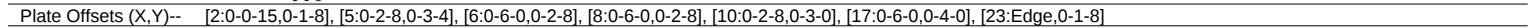
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

MiTek®

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

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:15 2025 Page 1
 ID:Ts3RJ0261_Xu2fYgSyBHAwZSZSL-M3?PnLgwDvCCKN5VxKN6trQHEmVm7L_l2eBJuyFI2
 1-4-0 6-4-0 12-4-13 20-2-8 24-11-0 29-1-0 29-7-8 33-5-3 39-5-4 43-11-0
 1-4-0 6-4-0 6-0-12 7-9-11 4-8-8 4-2-0 0-6-8 3-9-11 6-0-2 4-5-12

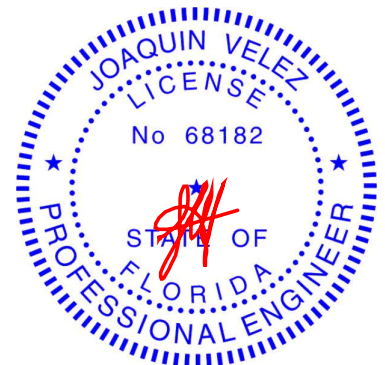


LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 5-6: 2x4 SP M 31 or 2x4 SP SS	TOP CHORD	Structural wood sheathing directly applied or 3-4-8 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2x4 SP No.2		4-2-5 oc bracing: 22-23.
SLIDER	Left 2x4 SP No.2 3-0-14	WEBS	1 Row at midpt 5-20, 7-18, 9-14

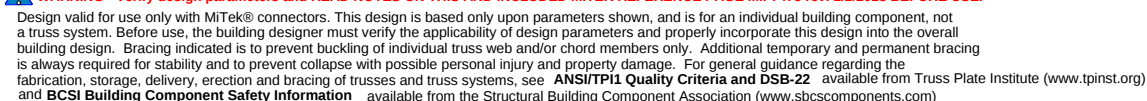
FORCES. (lb) - Max. Corp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	4-5=-2429/165, 5-6=-2151/205, 6-7=-1970/227, 7-8=-1970/227, 8-9=-2186/226, 9-10=-1842/180, 10-11=-1483/113, 11-12=-1642/128
BOT CHORD	22-23=-1951/177, 4-22=-1854/206, 20-21=-106/2193, 18-20=-37/1901, 17-18=-34/1916, 13-14=-68/1298
WEBS	4-21=-112/2193, 5-20=-341/78, 6-20=0/426, 6-18=-24/353, 7-18=-312/87, 8-18=-22/265, 8-17=-19/694, 9-17=0/647, 9-14=-939/87, 10-14=0/404, 10-13=-705/115, 11-13=-77/1556, 14-17=-64/1786

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; 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 2-0-2-8, Zone2 2-0-2-8 to 24-5-7, Zone1 24-5-7 to 29-7-8, Zone2 29-7-8 to 33-10-7, Zone1 33-10-7 to 43-9-4 zone; cantilever left and right exposed ; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 23, and 12. This connection is for uplift only and does not consider lateral forces.

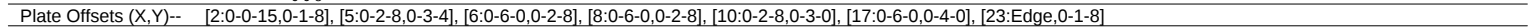


November 18, 2025



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

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:16 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-qGZn_hhY3W12qUyl2ercf5_?1e5kVaa7?iOlRkYlFI1



LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 5-6: 2x4 SP M 31 or 2x4 SP SS	TOP CHORD	Structural wood sheathing directly applied or 3-4-8 oc purlins, except end verticals, and 2-0-0 oc purlins (4-0-1 max.): 6-8:
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2x4 SP No.2		4-1-15 oc bracing: 22-23.
SLIDER	Left 2x4 SP No.2 3-0-14	WEBS	1 Row at midpt 5-20, 7-18, 9-14

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

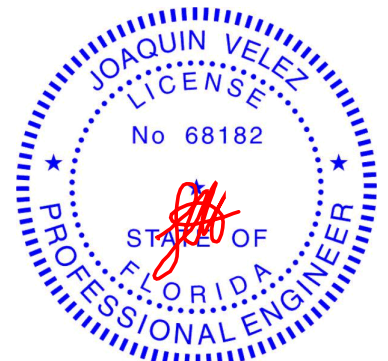
TOP CHORD 4-5=-2432/160, 5-6=-2152/203, 6-7=-1971/225, 7-8=-1971/225, 8-9=-2187/225, 9-10=-1842/179, 10-11=-1484/113, 11-12=-1643/127

BOT CHORD 22-23=-1949/180, 4-22=-1852/209, 20-21=-102/2195, 18-20=-35/1902, 17-18=-33/1917, 13-14=-68/1298

WEBS 4-21=-130/2184, 5-20=-342/75, 6-20=0/427, 6-18=-24/353, 7-18=-312/87, 8-18=-22/265, 8-17=-19/694, 9-17=0/647, 9-14=-939/87, 10-14=0/404, 10-13=-706/115, 11-13=-77/1557, 14-17=-63/1786

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; 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 20-2-8, Zone2 20-2-8 to 24-5-7, Zone1 24-5-7 to 29-7-8, Zone2 29-7-8 to 33-10-7, Zone1 33-10-7 to 43-9-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 23, and 12. This connection is for uplift only and does not consider lateral forces.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

November 18, 2025



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

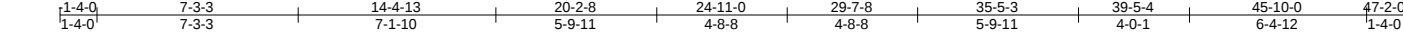


16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-LLS.com

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219960
6252820	A10	PIGGYBACK BASE	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:16 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-qGZn_hhY3W12qUyl2ercf5_xMe3DVWk7ziOlRkylFI1



Scale = 1:83.2

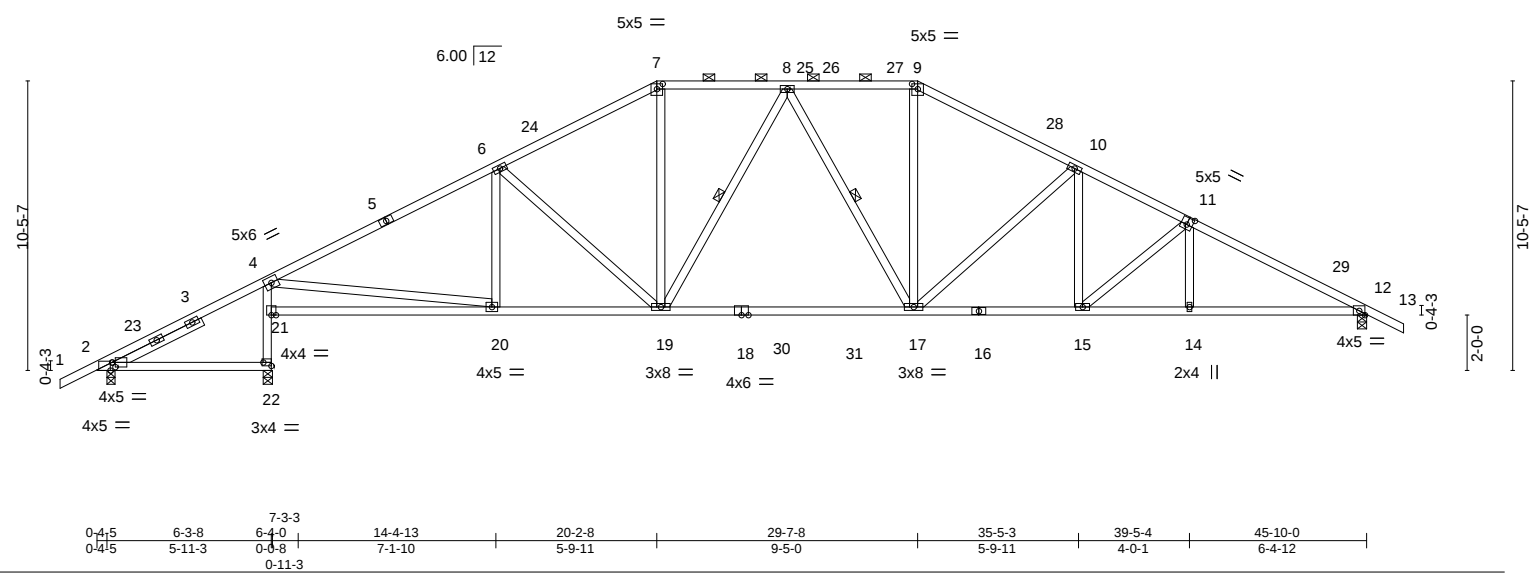


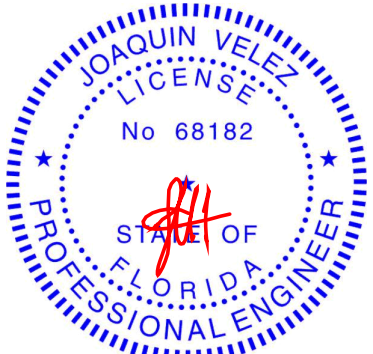
Plate Offsets (X,Y)-- [2:0-0-12,Edge], [2:0-1-7,0-2-0], [7:0-2-8,0-2-4], [9:0-2-8,0-2-4], [11:0-2-8,0-3-0], [22:Edge,0-1-8]										
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC	0.79	Vert(LL)	-0.34 17-19	>999	360	MT20 244/190
TCDL	10.0	Lumber DOL 1.25		BC	0.94	Vert(CT)	-0.60 17-19	>789	240	
BCLL	0.0 *	Rep Stress Incr YES		WB	0.72	Horz(CT)	0.12 12	n/a	n/a	
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.09 17	>999	240	Weight: 268 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except
BOT CHORD 2x4 SP No.2 *Except*	2-0-0 oc purlins (3-11-12 max.): 7-9.
16-18: 2x4 SP M 31 or 2x4 SP SS	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.2	1 Row at midpt 8-19, 8-17
SLIDER Left 2x4 SP No.2 3-7-2	

REACTIONS. (size) 2=0-3-8, 22=0-4-0, 12=0-4-0
Max Horz 2=161(LC 11)
Max Uplift 2=107(LC 12), 22=127(LC 12), 12=112(LC 12)
Max Grav 2=300(LC 23), 22=2093(LC 17), 12=1843(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-6=-2551/200, 6-7=-2254/233, 7-8=-1961/233, 8-9=-2100/239, 9-10=-2392/233,
10-11=-2908/244, 11-12=-3338/217
BOT CHORD 21-22=-2026/159, 4-21=-1879/206, 19-20=-66/2281, 17-19=-34/2117, 15-17=-95/2533,
14-15=-129/2888, 12-14=-129/2891
WEBS 4-20=-37/2074, 6-19=-368/88, 7-19=-16/750, 8-19=-390/61, 9-17=-4/772,
10-17=-664/108, 10-15=0/399, 11-15=-459/45

- 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=6ft; 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 20-2-8, Zone2 20-2-8 to 24-5-7, Zone1 24-5-7 to 29-7-8, Zone2 29-7-8 to 33-10-7, Zone1 33-10-7 to 47-2-0 zone; cantilever left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 3x6 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 22, and 12. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

November 18,2025

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

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219962
6252820	A12	PIGGYBACK BASE	4	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:18 2025 Page 1

ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-mehYPNiob8Hm4n5gA3t4kW3LjSktzQ8QR0tswDyIFi?

1-4-0	6-4-12	9-1-0	14-4-13	20-2-8	24-11-0	29-7-8	35-5-3	39-5-4	45-10-0	47-2-0
1-4-0	6-4-12	2-8-4	5-3-12	5-9-11	4-8-8	4-8-8	5-9-11	4-0-1	6-4-12	1-4-0

Scale = 1:83.2

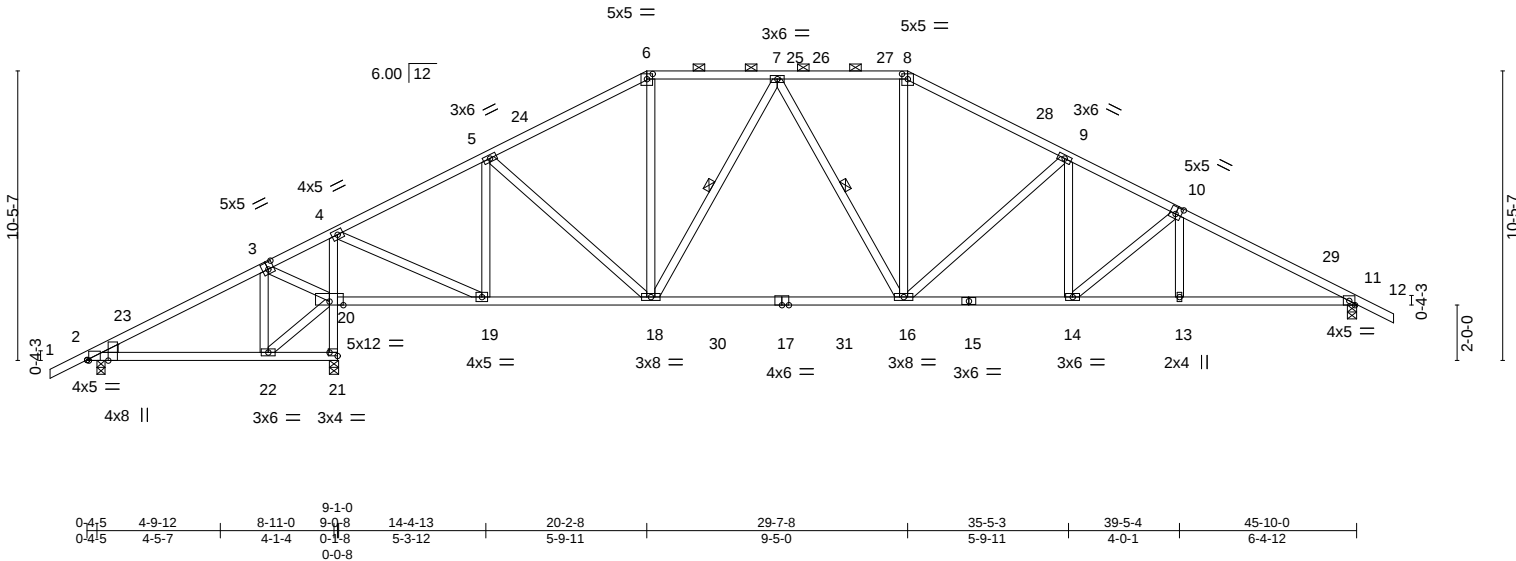


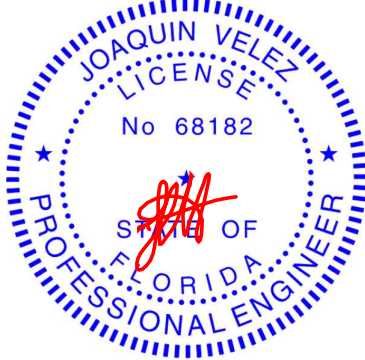
Plate Offsets (X,Y)--		[2:0-0-4,Edge], [2:0-0-12,Edge], [3:0-2-8,0-3-0], [6:0-2-8,0-2-4], [8:0-2-8,0-2-4], [10:0-2-8,0-3-0], [21:Edge,0-1-8]									
LOADING	(psf)	SPACING-		CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.32 16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.56 16-18	>790	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.09 11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.07 14-16	>999	240	Weight: 275 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-10-13 oc purlins, except
BOT CHORD 2x4 SP No.2	2-0-0 oc purlins (4-4-6 max.): 6-8.
WEBS 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEDGE	WEBS 1 Row at midpt 7-18, 7-16
Left: 2x4 SP No.2	

REACTIONS.	(size) 2=0-3-8, 21=0-4-0, 11=0-4-0
Max Horz	2=161(LC 11)
Max Uplift	2=-125(LC 12), 21=-163(LC 12), 11=-105(LC 12)
Max Grav	2=277(LC 23), 21=2291(LC 17), 11=1679(LC 18)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=0/367, 3-4=-54/941, 4-5=-1350/130, 5-6=-1676/189, 6-7=-1443/196, 7-8=-1771/216, 8-9=-2027/207, 9-10=-2549/218, 10-11=-2982/191
BOT CHORD	20-21=-2304/253, 4-20=-2024/164, 19-20=-807/116, 18-19=0/1235, 16-18=-3/1686, 14-16=-71/2211, 13-14=-107/2569, 11-13=-105/2574
WEBS	3-22=-42/379, 20-22=-297/0, 3-20=-713/192, 4-19=-120/2125, 5-19=-703/113, 5-18=0/439, 6-18=0/487, 7-18=-523/75, 8-16=0/606, 9-16=-669/107, 9-14=0/407, 10-14=-466/46

- 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=6ft; 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 20-2-8, Zone2 20-2-8 to 24-5-7, Zone1 24-5-7 to 29-7-8, Zone2 29-7-8 to 33-10-7, Zone1 33-10-7 to 47-2-0 zone; cantilever left and right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 21, and 11. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

November 18,2025

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

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219963
6252820	A13	HIP	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:18 2025 Page 1

ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-mehYPNiob8Hm4n5gA3t4kW3KySmWzUEQR0tswDyIFI?



Scale = 1:82.8

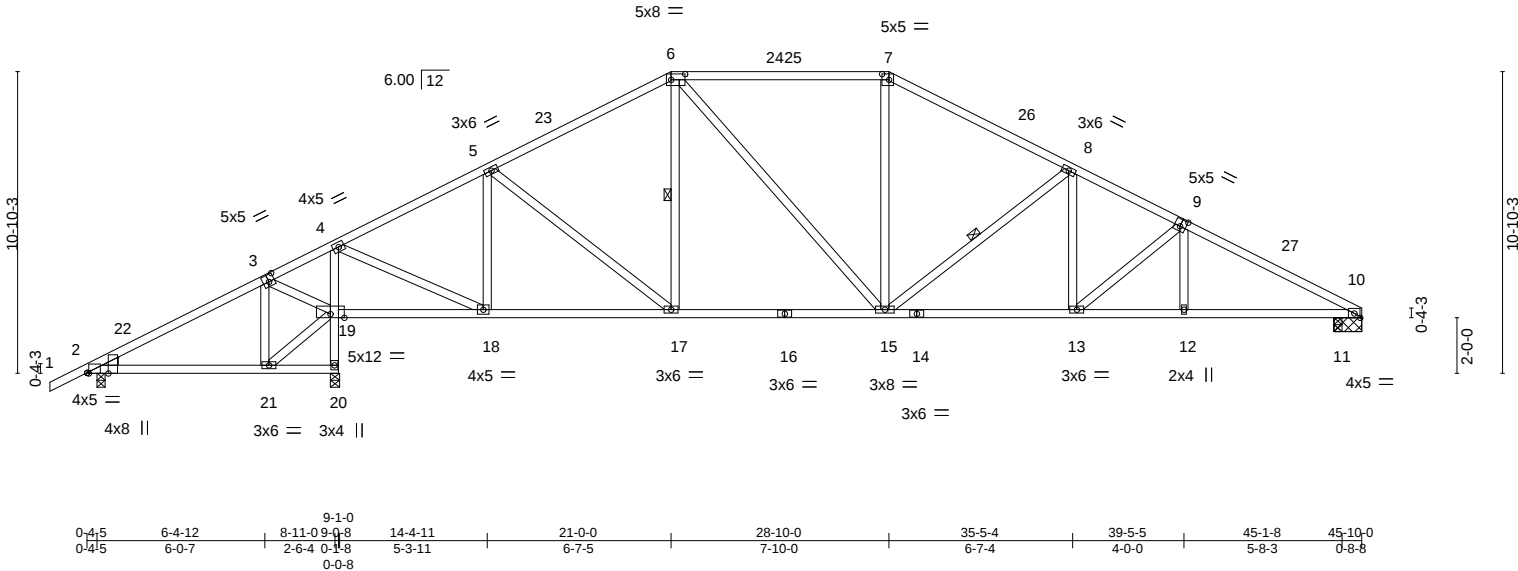


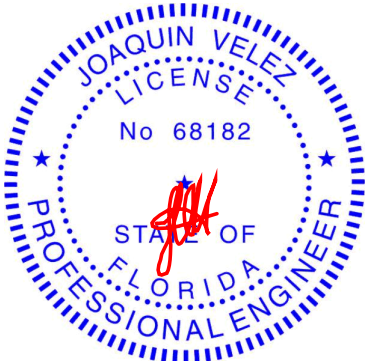
Plate Offsets (X,Y)-- [2:0-0-4,Edge], [2:0-0-12,Edge], [3:0-2-8,0-3-0], [6:0-6-0,0-2-8], [7:0-3-0,0-2-8], [9:0-2-8,0-3-0]						
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl
TCLL 20.0	Plate Grip DOL	1.25	TC 0.59	Vert(LL)	-0.18 15-17	>999
TCDL 10.0	Lumber DOL	1.25	BC 0.88	Vert(CT)	-0.32 15-17	>999
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.46	Horz(CT)	0.08 10	n/a
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-S	Wind(LL)	0.06 13	>999
					L/d	360
						240
						n/a
						240
						Weight: 265 lb
						FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 6-7: 2x4 SP M 31 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 3-1-10 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 3-10-14 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 6-17, 8-15
WEDGE	
Left: 2x4 SP No.2	

REACTIONS.	All bearings 0-3-8 except (jt=length) 20=0-4-0, 10=1-0-0.
(lb) - Max Horz	2=165(LC 11)
Max Uplift	All uplift 100 lb or less at joint(s) 10 except 2=118(LC 12), 20=171(LC 12)
Max Grav	All reactions 250 lb or less at joint(s) except 2=295(LC 23), 20=2244(LC 17), 10=761(LC 18), 11=840(LC 18)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-52/318, 3-4=-58/856, 4-5=-1375/129, 5-6=-1661/196, 6-7=-1653/223, 7-8=-1904/211, 8-9=-2462/217, 9-10=-2767/197
BOT CHORD	19-20=-2256/261, 4-19=-1969/160, 18-19=-728/99, 17-18=-17/1257, 15-17=0/1467, 13-15=-84/2142, 12-13=-120/2362, 11-12=-119/2364, 10-11=-119/2364
WEBS	3-21=-33/342, 3-19=-676/183, 4-18=-124/2073, 5-18=-642/127, 5-17=0/377, 6-15=-31/400, 7-15=0/446, 8-15=-694/104, 8-13=0/380, 9-13=-286/58

- 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=6ft; 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 21-0-0, Zone2 21-0-0 to 25-2-15, Zone1 25-2-15 to 28-10-0, Zone2 28-10-0 to 33-0-15, Zone1 33-0-15 to 45-6-0 zone; cantilever left and right exposed ; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 20, and 10. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

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

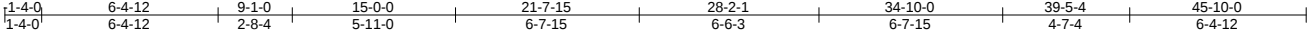
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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

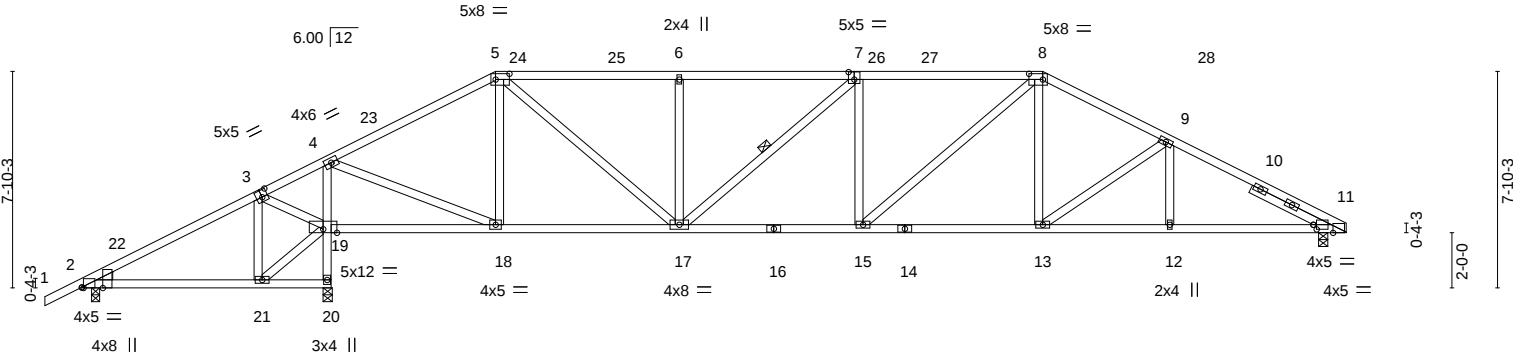
Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219966
6252820	A16	HIP	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:21 2025 Page 1
ID:Ts3RJ0261_Xu2fygSyBHAWzZSLZ-BDNg2Olgu3gLxFqFrBRnM8hqOfroAq1s7_5WWYyIFHy



Scale = 1:83.5

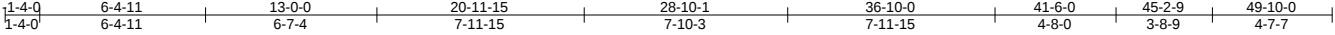


Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219967
6252820	A17	HIP	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:21 2025 Page 1

ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-BDNg2OlgU3gLfFqFrBRnM8htcfoxAIOs7_5WWYylFHjy



Scale = 1:88.8

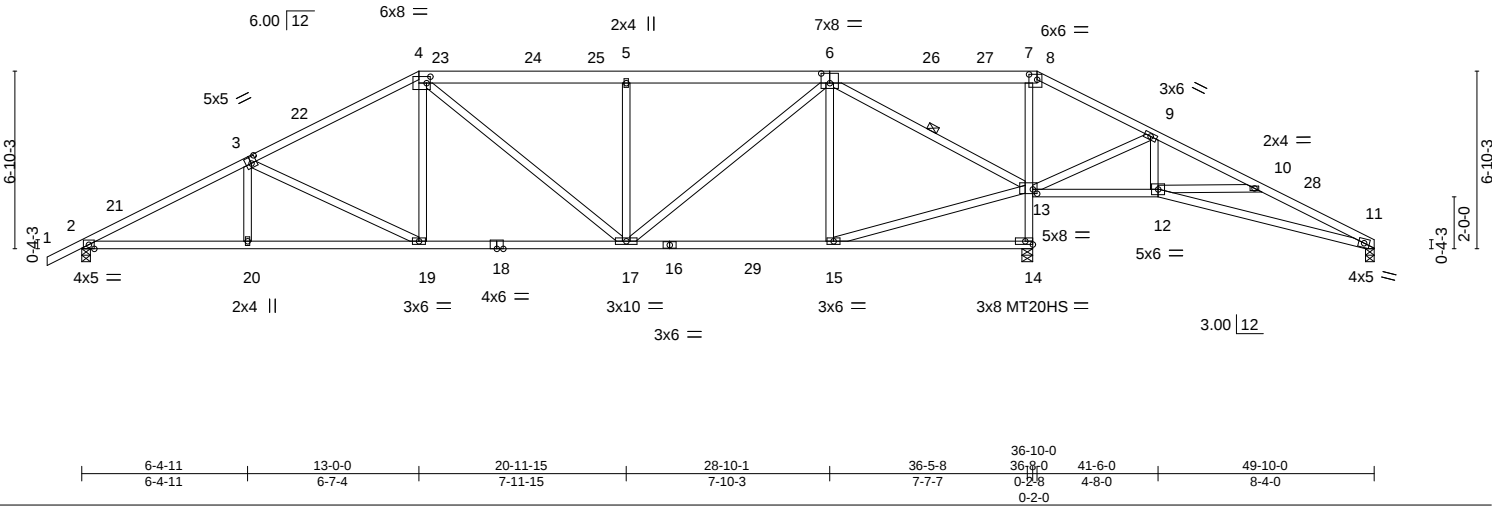


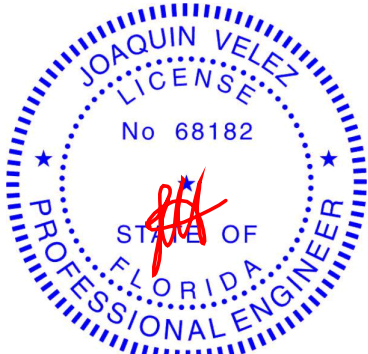
Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [4:0-1-12,0-3-0], [6:0-4-0,0-4-8], [8:0-3-12,0-2-7], [13:0-2-0,0-2-0]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.19	17-19	>999	360	MT20 244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.35	17-19	>999	240	MT20HS 187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.09	14	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.06	19	>999	240	Weight: 297 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 4-6,6-8: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-8 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 3-6-8 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 6-13

REACTIONS. (size) 11=0-4-0, 2=0-4-0, 14=0-5-0
Max Horz 2=116(LC 11)
Max Uplift 11=-8(LC 12), 2=-101(LC 12), 14=-105(LC 12)
Max Grav 11=219(LC 18), 2=1591(LC 17), 14=2697(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2817/180, 3-4=-2162/182, 4-5=-1915/194, 5-6=-1914/193, 6-7=-7/1030,
7-8=-0/876, 8-9=-51/1202, 9-10=-77/665, 10-11=-153/419
BOT CHORD 2-20=-114/2517, 19-20=-116/2511, 17-19=-25/1931, 15-17=0/1081, 13-14=-2581/207,
7-13=-864/134, 12-13=-582/146, 11-12=-371/132
WEBS 3-20=0/271, 3-19=-662/100, 4-19=0/588, 5-17=-529/146, 6-17=-72/1154, 13-15=0/1088,
6-13=-2333/169, 9-13=-603/61, 9-12=0/281, 10-12=-525/177

- 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=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 36-10-0, Zone2 36-10-0 to 41-4-4, Zone1 41-4-4 to 49-8-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 11, 2, and 14. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

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

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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219969
6252820	A19	HIP	1	1	Job Reference (optional)	

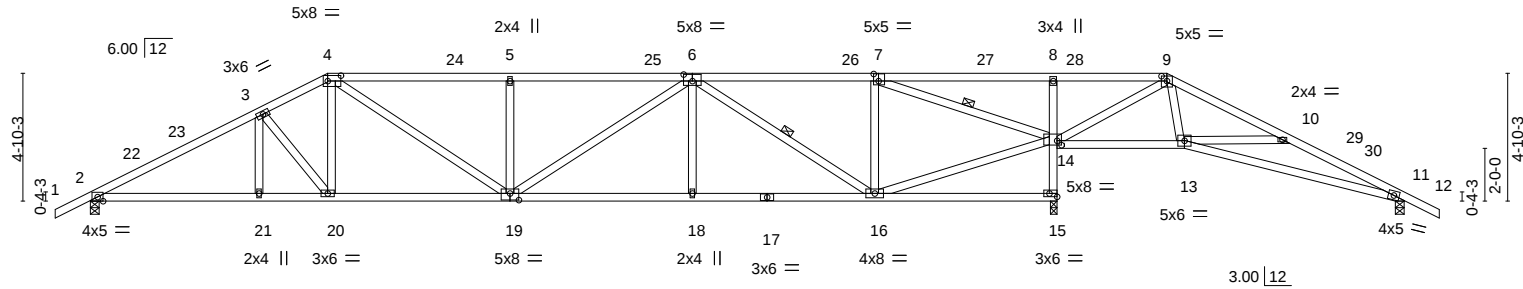
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:23 2025 Page 1

ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-7cURT4mxQgw3AY_ezcTFRZm8mTWdeh39aHacaQyIFHw

1-4-0 6-4-12 9-0-0 15-11-0 22-10-0 29-9-0 36-8-0 40-10-0 45-2-9 49-10-0 51-2-0
1-4-0 6-4-12 2-7-4 6-11-0 6-11-0 6-11-0 6-11-0 4-2-0 4-4-9 4-7-7 1-4-0

Scale = 1:87.4



6-4-12	9-0-0	15-11-0	22-10-0	29-9-0	36-6-8	36-8-0	41-6-0	49-10-0
6-4-12	2-7-4	6-11-0	6-11-0	6-11-0	6-9-8	0-1-8	4-10-0	8-4-0
Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [6:0-4-0,0-3-0], [7:0-2-4,0-3-4], [9:0-2-8,0-2-4], [14:0-2-0,0-2-0], [15:Edge,0-1-8], [19:0-4-0,0-3-0]								

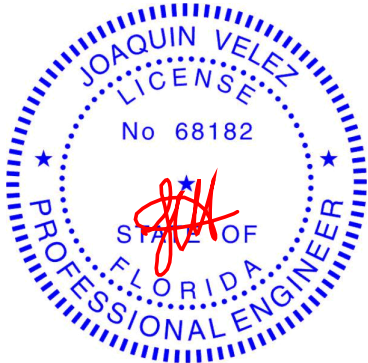
LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.78	Vert(LL)	-0.18 18-19	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.70	Vert(CT)	-0.39 18-19	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.68	Horz(CT)	0.11 15	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.11 18-19	>999	240	Weight: 270 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	BOT CHORD Rigid ceiling directly applied or 3-8-9 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 6-16, 7-14

REACTIONS. (size) 2=0-4-0, 15=0-3-0, 11=0-4-0
Max Horz 2=98(LC 11)
Max Uplift 2=-105(LC 12), 15=-90(LC 12), 11=-63(LC 12)
Max Grav 2=1449(LC 23), 15=2395(LC 1), 11=325(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2533/206, 3-4=-2239/221, 4-5=-2579/252, 5-6=-2579/252, 6-7=-1187/142,
7-8=-74/1481, 8-9=-85/1509, 9-10=-69/573, 10-11=-274/327
BOT CHORD 2-21=-111/2174, 20-21=-111/2174, 19-20=-61/1970, 18-19=-70/2300, 16-18=-70/2300,
14-15=-2334/195, 8-14=-365/117, 13-14=-518/154, 11-13=-288/234
WEBS 3-20=-346/91, 4-20=-14/370, 4-19=-56/785, 5-19=-442/142, 6-19=-45/361, 6-18=0/269,
6-16=-1359/98, 7-16=0/608, 14-16=-7/1228, 7-14=-2737/222, 9-14=-1224/93,
9-13=0/306, 10-13=-558/229

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 3-7-13, Zone1 3-7-13 to 9-0-0, Zone2 9-0-0 to 15-11-0, Zone1 15-11-0 to 40-10-0, Zone2 40-10-0 to 47-10-9, Zone1 47-10-9 to 51-2-0 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.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 15, and 11. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

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

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219970
6252820	A20	HIP GIRDER	1	2	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:25 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWZZSLZ-3?cBtmoBxHAnPs8041VjW_sW0GCM6b_S2b3jJylFHu

1-4-0 3-9-4 7-0-0 11-11-5 16-10-11 21-10-0 26-9-5 31-8-11 36-8-0 39-9-0 42-10-0 45-11-5 49-10-0 51-2-0
1-4-0 3-9-4 3-2-12 4-11-5 4-11-5 4-11-5 4-11-5 4-11-5 3-1-0 3-1-0 3-1-5 3-10-11 1-4-0

Scale = 1:87.2

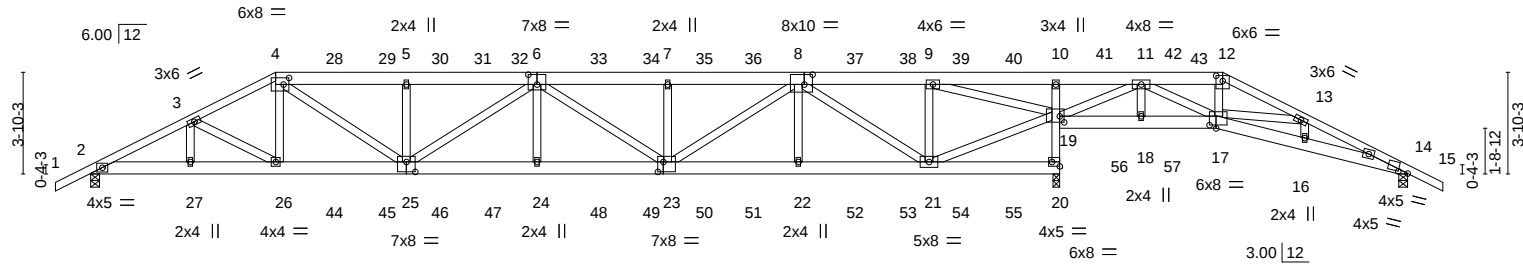


Plate Offsets (X,Y)--	[4:0-2-8,0-3-0], [6:0-4-0,0-4-8], [8:0-3-12,0-4-8], [12:0-3-0,0-2-7], [14:0-4-6,0-0-1], [17:0-3-0,0-1-8], [19:0-2-0,0-2-12], [20:Edge,0-2-0], [23:0-2-8,0-4-8], [25:0-4-0,0-4-8]
-----------------------	--

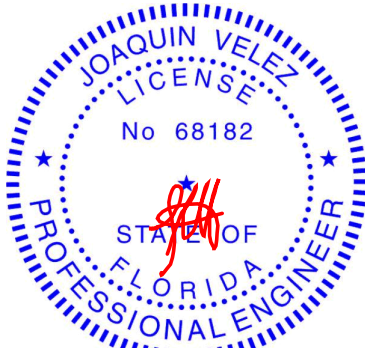
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.68	Vert(LL) -0.21 24 >999 360		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.65	Vert(CT) -0.42 23-24 >999 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-S	Horz(CT) 0.09 20 n/a n/a		
	Code FBC2023/TP12014		Wind(LL) 0.14 24 >999 240	Weight: 680 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* 1-4,12-15: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-4-2 oc purlins.
BOT CHORD 2x6 SP No.2 *Except* 10-20: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-3-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 2=0-4-0, 20=0-3-0, 14=0-4-0
Max Horz 2=78(LC 7)
Max Uplift 2=-221(LC 8), 20=-383(LC 8), 14=-120(LC 27)
Max Grav 2=2745(LC 19), 20=5125(LC 1), 14=351(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5360/353, 3-4=-5342/388, 4-5=-6721/573, 5-6=-6719/572, 6-7=-6794/645,
7-8=-6794/645, 8-9=-1906/264, 9-10=-224/4252, 10-11=-240/4320, 11-12=-106/411,
12-13=-111/404, 13-14=-501/192
BOT CHORD 2-27=-259/4723, 26-27=-259/4723, 25-26=-249/4798, 24-25=-562/7373, 23-24=-562/7373,
22-23=-413/5001, 21-22=-413/5001, 19-20=-4994/452, 10-19=-821/191,
18-19=-1906/250, 17-18=-1906/250, 16-17=-141/418, 14-16=-138/412
WEBS 4-26=0/623, 4-25=-263/2363, 5-25=-697/225, 6-25=-811/117, 6-24=0/428, 6-23=-712/28,
7-23=-615/206, 8-23=-152/2185, 8-22=0/434, 8-21=-3763/310, 9-21=0/1633,
19-21=-183/2170, 9-19=-6455/516, 11-19=-2714/109, 11-17=-43/1937, 12-17=-554/187,
13-17=-499/54

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row 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=50ft; eave=6ft; 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.



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

November 18,2025

Continued on page 2

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe
6252820	A20	HIP GIRDER	1	2	T39219970

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:25 2025 Page 2
ID:Ts3RJ0261_Xu2fYgSyBHAWzzSLZ-3?cBtmoBxHAnPs8041VjW_sW0GCM6b_S2b3jfJyIFHu

NOTES-

- 9) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 20, and 14. This connection is for uplift only and does not consider lateral forces.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 256 lb down and 176 lb up at 7-0-0, 133 lb down and 89 lb up at 9-0-12, 133 lb down and 89 lb up at 11-0-12, 133 lb down and 89 lb up at 13-0-12, 133 lb down and 89 lb up at 15-0-12, 133 lb down and 89 lb up at 17-0-12, 133 lb down and 89 lb up at 19-0-12, 133 lb down and 89 lb up at 21-0-12, 133 lb down and 89 lb up at 23-0-12, 133 lb down and 89 lb up at 24-11-0, 133 lb down and 89 lb up at 26-9-4, 133 lb down and 89 lb up at 28-9-4, 133 lb down and 89 lb up at 30-9-4, 133 lb down and 89 lb up at 32-9-4, 133 lb down and 89 lb up at 34-9-4, 133 lb down and 90 lb up at 36-9-4, 133 lb down and 90 lb up at 38-9-4, and 133 lb down and 90 lb up at 40-9-4, and 264 lb down and 181 lb up at 42-10-0 on top chord, and 316 lb down at 7-0-0, 95 lb down at 9-0-12, 95 lb down at 11-0-12, 95 lb down at 13-0-12, 95 lb down at 15-0-12, 95 lb down at 17-0-12, 95 lb down at 19-0-12, 95 lb down at 21-0-12, 95 lb down at 23-0-12, 95 lb down at 24-11-0, 95 lb down at 26-9-4, 95 lb down at 28-9-4, 95 lb down at 30-9-4, 95 lb down at 32-9-4, 95 lb down at 34-9-4, 95 lb down at 36-6-4, 95 lb down at 38-9-4, and 95 lb down at 40-9-4, and 316 lb down at 42-7-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-60, 4-12=-60, 12-15=-60, 2-20=-20, 17-19=-20, 14-17=-20

Concentrated Loads (lb)

Vert: 4=-209(B) 12=-217(B) 20=-48(B) 10=-133(B) 26=-281(B) 6=-133(B) 24=-48(B) 22=-48(B) 8=-133(B) 17=-278(B) 28=-133(B) 29=-133(B) 30=-133(B) 32=-133(B) 33=-133(B) 34=-133(B) 35=-133(B) 36=-133(B) 37=-133(B) 38=-133(B) 39=-133(B) 40=-133(B) 42=-133(B) 43=-133(B) 44=-48(B) 45=-48(B) 46=-48(B) 47=-48(B) 48=-48(B) 49=-48(B) 50=-48(B) 51=-48(B) 52=-48(B) 53=-48(B) 54=-48(B) 55=-48(B) 56=-48(B) 57=-48(B)

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

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

MiTek®

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219971
6252820	B01	HIP GIRDER	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:26 2025 Page 2
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-XBAZ56opible10jDel0y3COeGgTwrAScGFpHBlylFht

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 5-8=-60, 1-7=-20
Concentrated Loads (lb)
Vert: 3=-209(F) 5=-209(F) 11=-281(F) 9=-281(F) 13=-133(F) 15=-133(F) 16=-133(F) 17=-133(F) 18=-48(F) 19=-48(F) 20=-48(F) 21=-48(F)

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

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

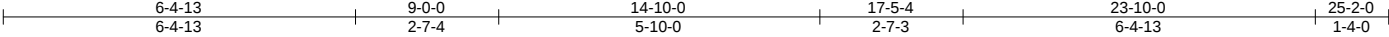
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219972
6252820	B02	HIP	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:27 2025 Page 1

ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-?NkyiSpRTvQVfAHPCSXBbPxST4wWaehIVvYqjBylFHs



Scale = 1:41.9

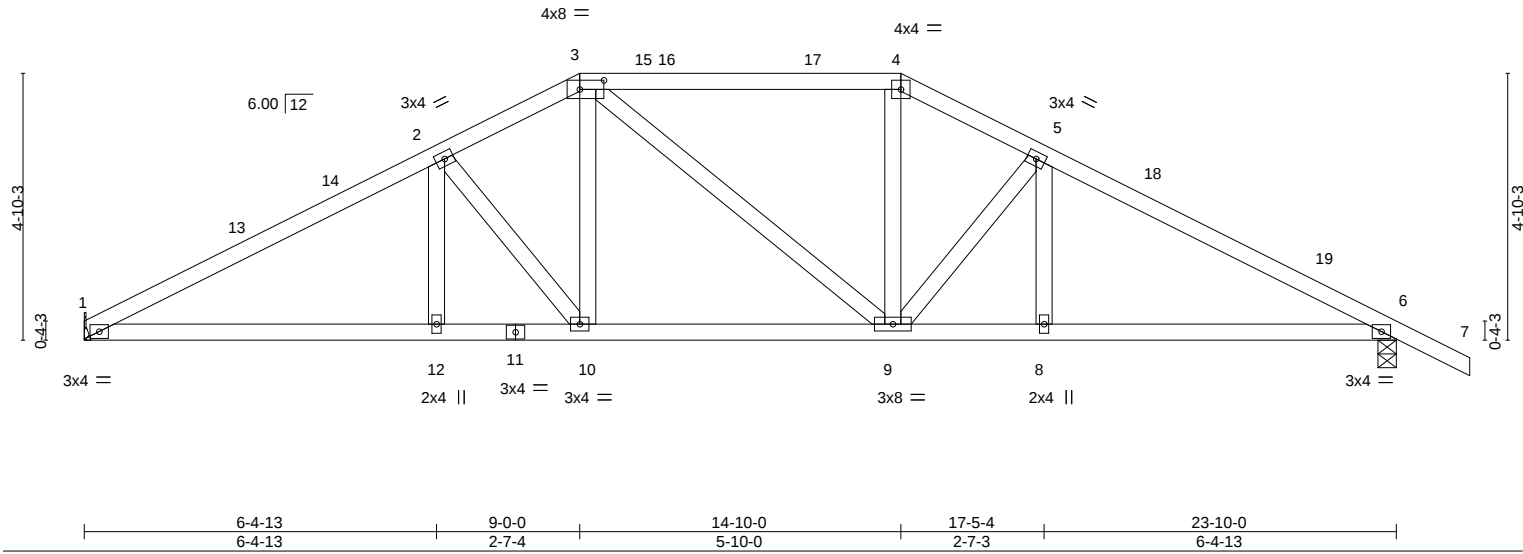


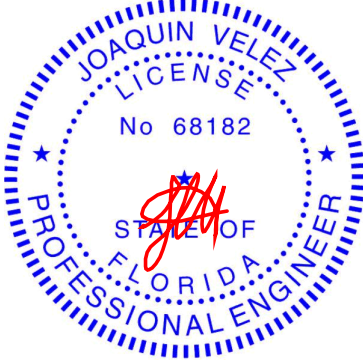
Plate Offsets (X,Y)--		[3:0-5-4,0-2-0]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP			
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.07	1-12	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.16	1-12	>999	240			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.05	6	n/a	n/a			
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.04	9-10	>999	240	Weight: 120 lb	FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-1-13 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 1=Mechanical, 6=0-4-0
Max Horz 1=-83(LC 10)
Max Uplift 1=-40(LC 12), 6=-85(LC 12)
Max Grav 1=941(LC 1), 6=1037(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1657/155, 2-3=-1352/173, 3-4=-1165/163, 4-5=-1340/172, 5-6=-1647/155
BOT CHORD 1-12=-67/1423, 10-12=-67/1423, 9-10=-23/1172, 8-9=-73/1388, 6-8=-73/1388
WEBS 2-10=-410/79, 3-10=-14/380, 4-9=-3/367, 5-9=-368/72

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-0-12 to 3-0-12, Zone1 3-0-12 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 14-10-0, Zone2 14-10-0 to 19-0-15, Zone1 19-0-15 to 25-2-0 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

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

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219973
6252820	B03	HIP	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:27 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-?NkylSpRtvQVfAHPCsXBbPxtq4wqabwVvYqjBylFHs

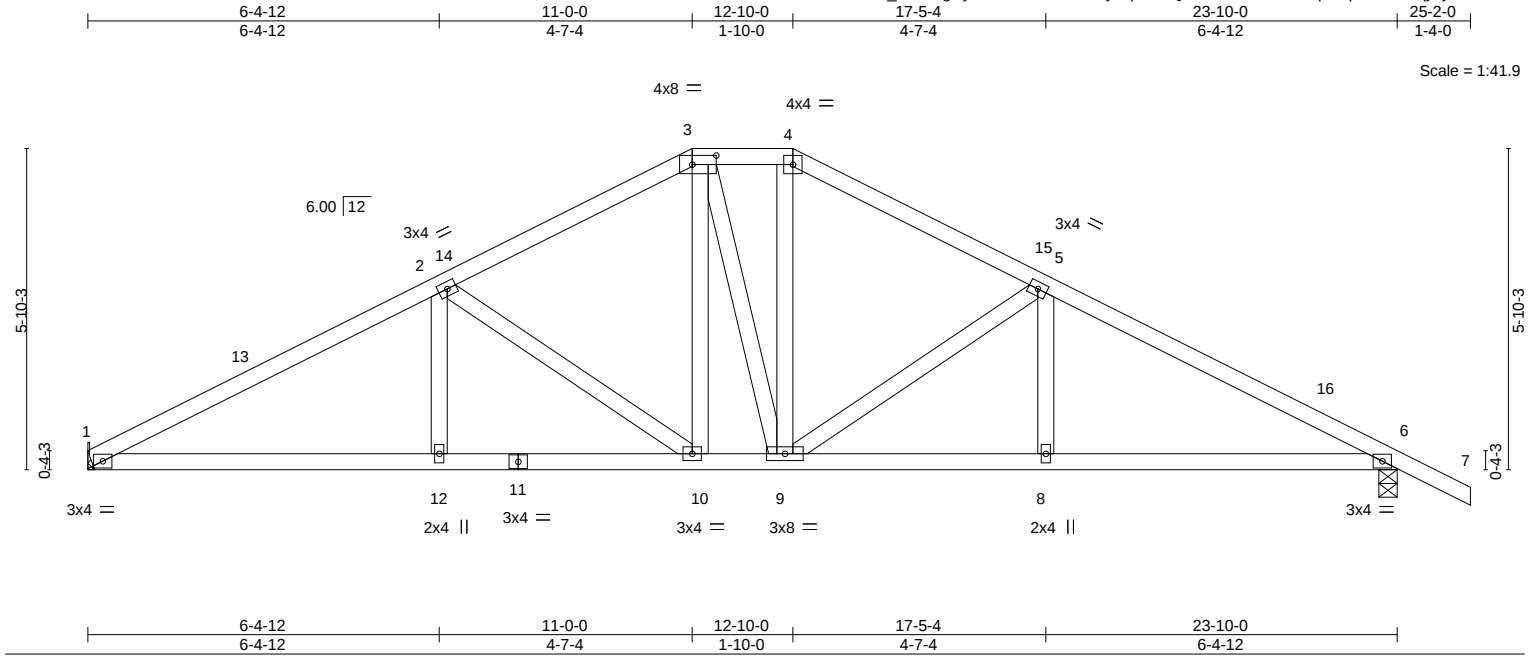


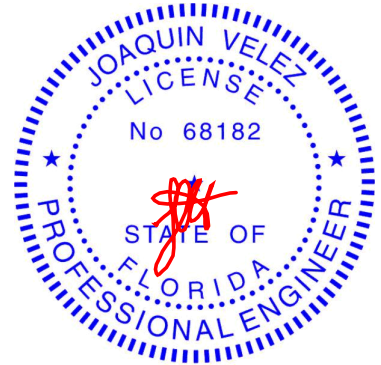
Plate Offsets (X,Y)--		[3:0-5-4,0-2-0]													
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP					
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.06 1-12 >999 360	MT20		244/190					
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.15 1-12 >999 240								
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.05 6 n/a n/a								
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.03 10 >999 240					Weight: 126 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-5-15 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 1=Mechanical, 6=0-4-0
Max Horz 1=-99(LC 10)
Max Uplift 1=-40(LC 12), 6=-85(LC 12)
Max Grav 1=941(LC 1), 6=1037(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1666/144, 2-3=-1188/154, 3-4=-1001/156, 4-5=-1187/151, 5-6=-1656/140
BOT CHORD 1-12=-59/1433, 10-12=-59/1433, 9-10=0/999, 8-9=-62/1399, 6-8=-62/1399
WEBS 2-12=0/264, 2-10=-539/88, 3-10=-17/343, 4-9=-16/333, 5-9=-499/81, 5-8=0/254

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-0-12 to 3-0-12, Zone1 3-0-12 to 11-0-0, Zone3 11-0-0 to 12-10-0, Zone2 12-10-0 to 17-0-15, Zone1 17-0-15 to 25-2-0 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

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

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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219974
6252820	B04	COMMON	4	1	Job Reference (optional)	

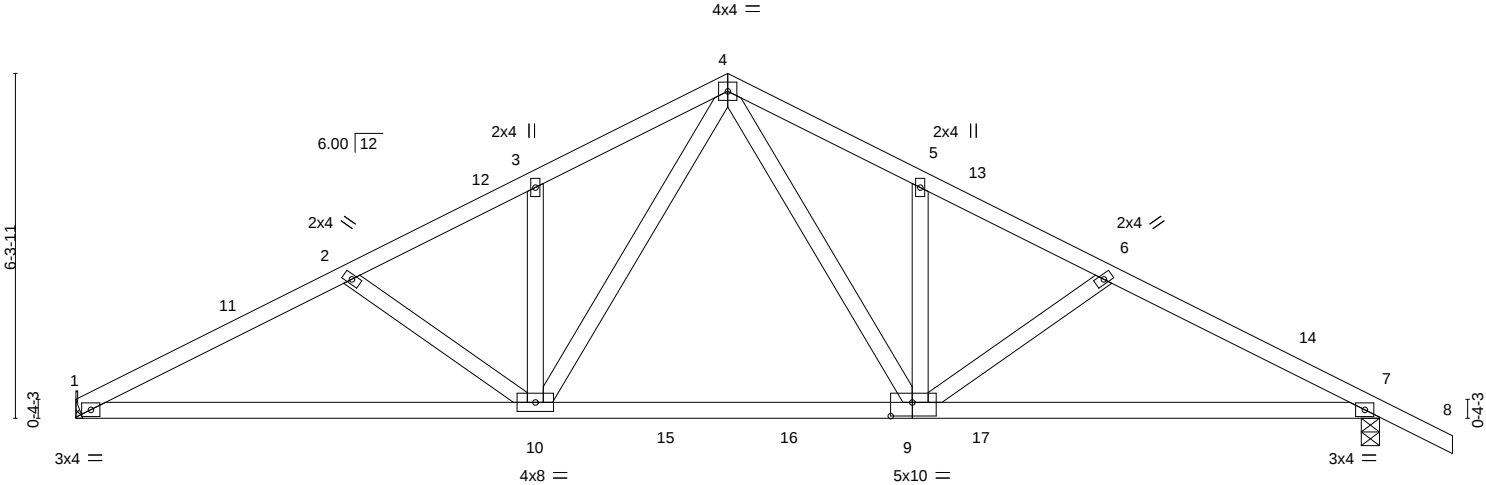
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:28 2025 Page 1

ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-UZIKWnq4ECYMGKsbl93Q8dU36UGxJ3OukZINFeylFhr



Scale = 1:42.1



		8-1-8				15-8-8				23-10-0			
Plate Offsets (X,Y)--		[9:0-4-12,0-3-0]				7-7-0				8-1-8			
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 0.49		Vert(LL)	-0.12 1-10	>999	360	MT20		244/190	
TCDL 10.0		Lumber DOL	1.25	BC 0.56		Vert(CT)	-0.33 9-10	>846	240				
BCLL 0.0 *		Rep Stress Incr	NO	WB 0.22		Horz(CT)	0.05 7	n/a	n/a				
BCDL 10.0		Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.03 10	>999	240	Weight: 121 lb		FT = 20%	

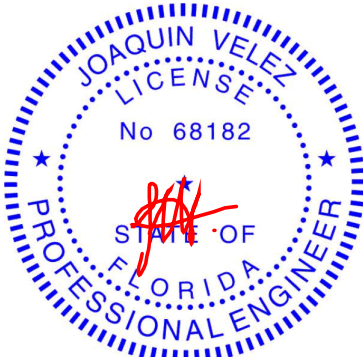
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-4-14 oc purlins.
BOT CHORD 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 1=Mechanical, 7=0-4-0
Max Horz 1=-107(LC 10)
Max Grav 1=1276(LC 17), 7=1385(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2346/0, 2-3=-2126/0, 3-4=-2127/0, 4-5=-2136/0, 5-6=-2140/0, 6-7=-2344/0
BOT CHORD 1-10=0/2129, 9-10=0/1418, 7-9=0/2033
WEBS 4-9=0/1040, 4-10=0/988, 2-10=-266/143

- 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., GCp=0.18; MWFRS (directional) and C-C Zone3 0-0-12 to 3-0-12, Zone1 3-0-12 to 11-11-0, Zone2 11-11-0 to 16-1-15, Zone1 16-1-15 to 25-2-0 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, with BCDL = 10.0psf.
 - Refer to girder(s) for truss connections.
 - Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

- LOAD CASE(S) Standard
- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-8=-60, 1-10=-20, 10-17=-80, 7-17=-20
 - Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-8=-50, 1-10=-35, 10-15=-95, 15-16=-110, 16-17=-95, 7-17=-35
 - Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-8=-20, 1-10=-40, 10-17=-100, 7-17=-40



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

November 18,2025

Continued on page 2

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

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219974
6252820	B04	COMMON	4	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:28 2025 Page 2
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-UZIKWnq4ECYMGKsbl93Q8dU36UGxJ3OukZINFeylFHR

LOAD CASE(S) Standard

- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-11=32, 4-11=17, 4-13=26, 7-13=17, 7-8=12, 1-10=-12, 10-17=-72, 7-17=-12
Horz: 1-11=-40, 4-11=-25, 4-13=35, 7-13=25, 7-8=21
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-12=17, 4-12=26, 4-14=17, 7-14=32, 7-8=47, 1-10=-12, 10-17=-72, 7-17=-12
Horz: 1-12=-25, 4-12=-35, 4-14=25, 7-14=40, 7-8=55
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-32, 4-7=-32, 7-8=-28, 1-10=-20, 10-17=-80, 7-17=-20
Horz: 1-4=12, 4-7=-12, 7-8=-8
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-32, 4-7=-32, 7-8=-8, 1-10=-20, 10-17=-80, 7-17=-20
Horz: 1-4=12, 4-7=-12, 7-8=12
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=3, 4-7=9, 7-8=4, 1-10=-12, 10-17=-72, 7-17=-12
Horz: 1-4=-11, 4-7=17, 7-8=13
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=9, 4-7=3, 7-8=15, 1-10=-12, 10-17=-72, 7-17=-12
Horz: 1-4=-17, 4-7=11, 7-8=24
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-28, 4-7=-12, 7-8=-7, 1-10=-20, 10-17=-80, 7-17=-20
Horz: 1-4=8, 4-7=8, 7-8=13
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-12, 4-7=-28, 7-8=-24, 1-10=-20, 10-17=-80, 7-17=-20
Horz: 1-4=-8, 4-7=-8, 7-8=-4
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=15, 4-7=15, 7-8=28, 1-10=-12, 10-17=-72, 7-17=-12
Horz: 1-4=-24, 4-7=24, 7-8=37
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=3, 4-7=3, 7-8=15, 1-10=-12, 10-17=-72, 7-17=-12
Horz: 1-4=-11, 4-7=11, 7-8=24
- 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-21, 4-7=-21, 7-8=-16, 1-10=-20, 10-17=-80, 7-17=-20
Horz: 1-4=1, 4-7=-1, 7-8=4
- 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-21, 4-7=-21, 7-8=-16, 1-10=-20, 10-17=-80, 7-17=-20
Horz: 1-4=1, 4-7=-1, 7-8=4
- 16) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-8=-20, 1-10=-40, 10-15=-100, 15-16=-120, 16-17=-100, 7-17=-40
- 17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-56, 4-7=-44, 7-8=-40, 1-10=-35, 10-15=-95, 15-16=-110, 16-17=-95, 7-17=-35
Horz: 1-4=6, 4-7=6, 7-8=10
- 18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-44, 4-7=-56, 7-8=-53, 1-10=-35, 10-15=-95, 15-16=-110, 16-17=-95, 7-17=-35
Horz: 1-4=-6, 4-7=-6, 7-8=3
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-51, 4-7=-51, 7-8=-47, 1-10=-35, 10-15=-95, 15-16=-110, 16-17=-95, 7-17=-35
Horz: 1-4=1, 4-7=-1, 7-8=3
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-51, 4-7=-51, 7-8=-47, 1-10=-35, 10-15=-95, 15-16=-110, 16-17=-95, 7-17=-35
Horz: 1-4=1, 4-7=-1, 7-8=3
- 21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-25, 4-8=-25, 1-10=-12, 10-17=-72, 7-17=-12
Horz: 1-4=16, 4-8=-16

Continued on page 3

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

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	2508-A 3 Car Fe
6252820	B04	COMMON	4	1	T39219974

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:28 2025 Page 3
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-UZIKWnq4ECYMGKsbl93Q8dU36UGxJ3OukZINFeylFhr

LOAD CASE(S) Standard

- 22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=8, 4-8=8, 1-10=-12, 10-17=-72, 7-17=-12
Horz: 1-4=-16, 4-8=16
- 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-8=-20, 1-10=-20, 10-17=-80, 7-17=-20
- 24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-8=-60, 1-10=-20, 10-17=-80, 7-17=-20
- 25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-8=-20, 1-10=-35, 10-15=-95, 15-16=-110, 16-17=-95, 7-17=-35
- 26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-8=-50, 1-10=-35, 10-15=-95, 15-16=-110, 16-17=-95, 7-17=-35

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

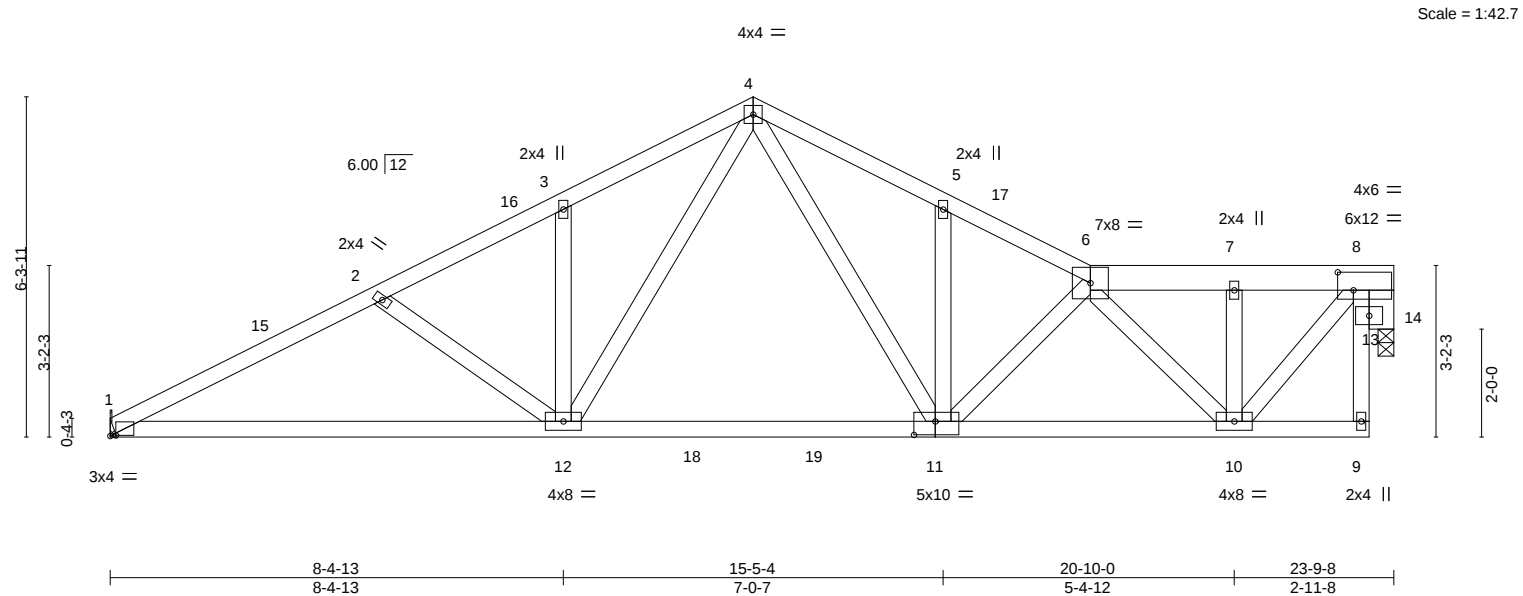
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219975
6252820	B05	ROOF SPECIAL	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:28 2025 Page 1
ID:Ts3RJ0261_Xu2fygSyBHAWzZSLZ-UZIKWnq4ECYMGKsbl93Q8dU3qUG4J1eukZINFeYlFHR



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.12 1-12 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.35 11-12 >816 240				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.04 14 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.03 12 >999 240				
								Weight: 140 lb		FT = 20%	

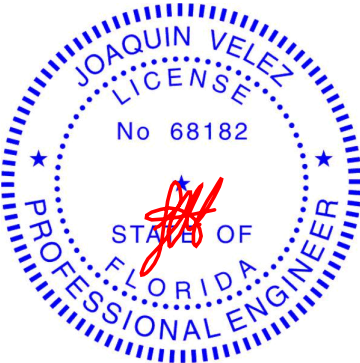
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 6-8: 2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-5-8 oc purlins, except end verticals.
BOT CHORD	2x4 SP M 31 or 2x4 SP SS	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		
OTHERS	2x6 SP No.2		

REACTIONS. (size) 1=Mechanical, 14=0-3-8
Max Horz 1=76(LC 11)
Max Grav 1=1257(LC 17), 14=1193(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2308/0, 2-3=-2089/0, 3-4=-2089/0, 4-5=-2014/0, 5-6=-2010/0, 6-7=-1119/0, 7-8=-1118/0
BOT CHORD 1-12=0/2071, 11-12=0/1352, 10-11=0/1919
WEBS 2-12=-266/142, 4-12=0/1005, 4-11=0/931, 6-10=-1171/0, 7-10=-278/33, 8-10=0/1499, 8-14=-1276/0

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-0-12 to 3-0-12, Zone1 3-0-12 to 11-11-0, Zone2 11-11-0 to 16-1-15, Zone1 16-1-15 to 23-2-4 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.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 6-8=-60, 1-12=-20, 11-12=-80, 9-11=-20



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

November 18,2025

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219975
6252820	B05	ROOF SPECIAL	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:28 2025 Page 2
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-UZIKWnq4ECYMGKsbl93Q8dU3qUG4J1eukZINFeylFhr

LOAD CASE(S) Standard

- 2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-6=-50, 6-8=-50, 1-12=-35, 12-18=-95, 18-19=-110, 11-19=-95, 9-11=-35
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-20, 6-8=-20, 1-12=-40, 11-12=-100, 9-11=-40
- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-15=32, 4-15=17, 4-17=26, 6-17=17, 6-8=17, 1-12=-12, 11-12=-72, 9-11=-12
Horz: 1-15=-40, 4-15=-25, 4-17=35, 6-17=25
Drag: 6-7=0
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-16=17, 4-16=26, 4-6=17, 6-8=17, 1-12=-12, 11-12=-72, 9-11=-12
Horz: 1-16=-25, 4-16=-35, 4-6=25
Drag: 6-7=0
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-32, 4-6=-32, 6-8=-32, 1-12=-20, 11-12=-80, 9-11=-20
Horz: 1-4=12, 4-6=-12
Drag: 6-7=-0
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-32, 4-6=-32, 6-8=-32, 1-12=-20, 11-12=-80, 9-11=-20
Horz: 1-4=12, 4-6=-12
Drag: 6-7=-0
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=3, 4-6=9, 6-8=8, 1-12=-12, 11-12=-72, 9-11=-12
Horz: 1-4=-11, 4-6=17
Drag: 6-7=0
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=9, 4-6=3, 6-8=18, 1-12=-12, 11-12=-72, 9-11=-12
Horz: 1-4=-17, 4-6=11
Drag: 6-7=0
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-28, 4-6=-12, 6-8=-21, 1-12=-20, 11-12=-80, 9-11=-20
Horz: 1-4=8, 4-6=8
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-12, 4-6=-28, 6-8=-21, 1-12=-20, 11-12=-80, 9-11=-20
Horz: 1-4=-8, 4-6=-8
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=15, 4-6=15, 6-8=15, 1-12=-12, 11-12=-72, 9-11=-12
Horz: 1-4=-24, 4-6=24
Drag: 6-7=0
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=3, 4-6=3, 6-8=3, 1-12=-12, 11-12=-72, 9-11=-12
Horz: 1-4=-11, 4-6=11
Drag: 6-7=0
- 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-21, 4-6=-21, 6-8=-21, 1-12=-20, 11-12=-80, 9-11=-20
Horz: 1-4=1, 4-6=-1
- 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-21, 4-6=-21, 6-8=-21, 1-12=-20, 11-12=-80, 9-11=-20
Horz: 1-4=1, 4-6=-1
- 16) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-20, 6-8=-20, 1-12=-40, 12-18=-100, 18-19=-120, 11-19=-100, 9-11=-40
- 17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-56, 4-6=-44, 6-8=-51, 1-12=-35, 12-18=-95, 18-19=-110, 11-19=-95, 9-11=-35
Horz: 1-4=6, 4-6=6
- 18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-44, 4-6=-56, 6-8=-51, 1-12=-35, 12-18=-95, 18-19=-110, 11-19=-95, 9-11=-35
Horz: 1-4=-6, 4-6=-6

Continued on page 3

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

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	2508-A 3 Car Fe
6252820	B05	ROOF SPECIAL	1	1	T39219975

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Sep 3 2025
MiTek Industries, Inc.
Mon Nov 17 14:37:28 2025
Page 3
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-UZIKWnq4ECYMGKsbl93Q8dU3qUG4J1eukZINFeylFHR

- LOAD CASE(S)
Standard
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-51, 4-6=-51, 6-8=-51, 1-12=-35, 12-18=-95, 18-19=-110, 11-19=-95, 9-11=-35
Horz: 1-4=1, 4-6=-1
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-51, 4-6=-51, 6-8=-51, 1-12=-35, 12-18=-95, 18-19=-110, 11-19=-95, 9-11=-35
Horz: 1-4=1, 4-6=-1
- 21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-25, 4-6=-25, 6-8=-25, 1-12=-12, 11-12=-72, 9-11=-12
Horz: 1-4=16, 4-6=-16
Drag: 6-7=0
- 22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=8, 4-6=8, 6-8=8, 1-12=-12, 11-12=-72, 9-11=-12
Horz: 1-4=-16, 4-6=16
Drag: 6-7=0
- 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-20, 6-8=-20, 1-12=-20, 11-12=-80, 9-11=-20
- 24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-60, 6-8=-60, 1-12=-20, 11-12=-80, 9-11=-20
- 25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-6=-20, 6-8=-20, 1-12=-35, 12-18=-95, 18-19=-110, 11-19=-95, 9-11=-35
- 26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-50, 6-8=-50, 1-12=-35, 12-18=-95, 18-19=-110, 11-19=-95, 9-11=-35

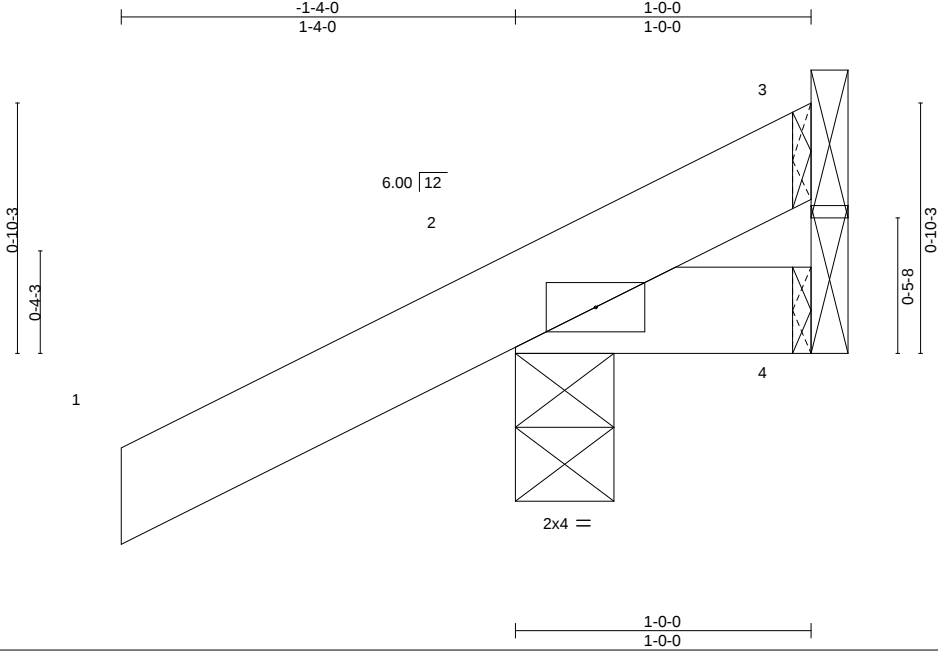
 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

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	2508-A 3 Car Fe	T39219976
6252820	C1	CORNER JACK	7	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:29 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-ymrij7ri?WgCuTRoJtafhq0Kctj2Z82zD1xo4ylFHq



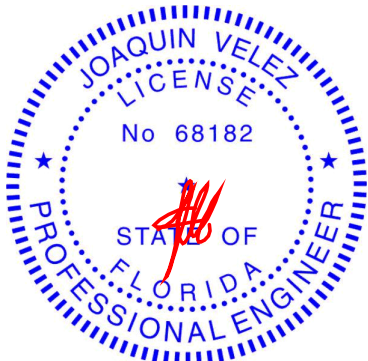
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.12	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.01	Vert(CT)	-0.00	2	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00	2	****	240	Weight: 6 lb	FT = 20%

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

REACTIONS.	(size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz	2=36(LC 12)
Max Uplift	3=-30(LC 1), 2=-72(LC 12)
Max Grav	3=24(LC 12), 2=179(LC 1), 4=19(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
 - 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

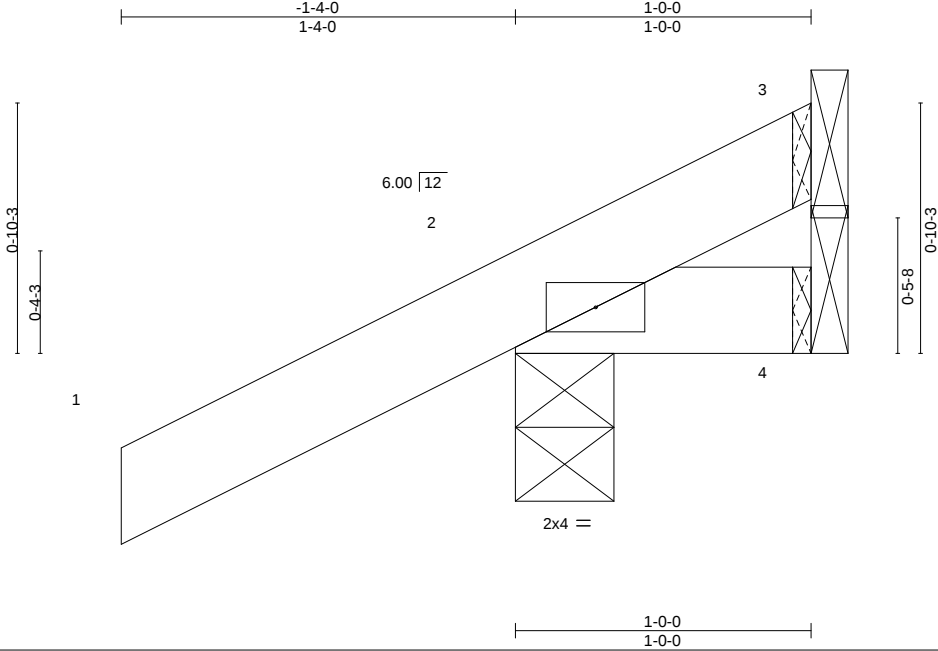
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219977
6252820	C1A	CORNER JACK	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:29 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-ymrij7ri?WgCuTRoJtafhq0Kctj2Z82zD1xo4ylFHq



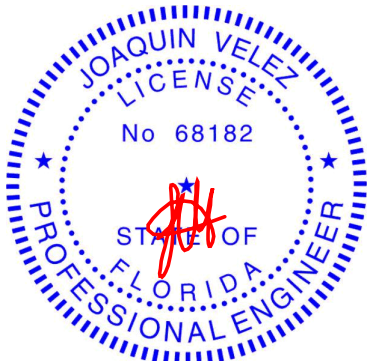
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.12	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.01	Vert(CT)	-0.00	2	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00	2	****	240	Weight: 6 lb	FT = 20%

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

REACTIONS.	(size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz	2=36(LC 12)
Max Uplift	3=-30(LC 1), 2=-72(LC 12)
Max Grav	3=24(LC 12), 2=179(LC 1), 4=19(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
 - 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

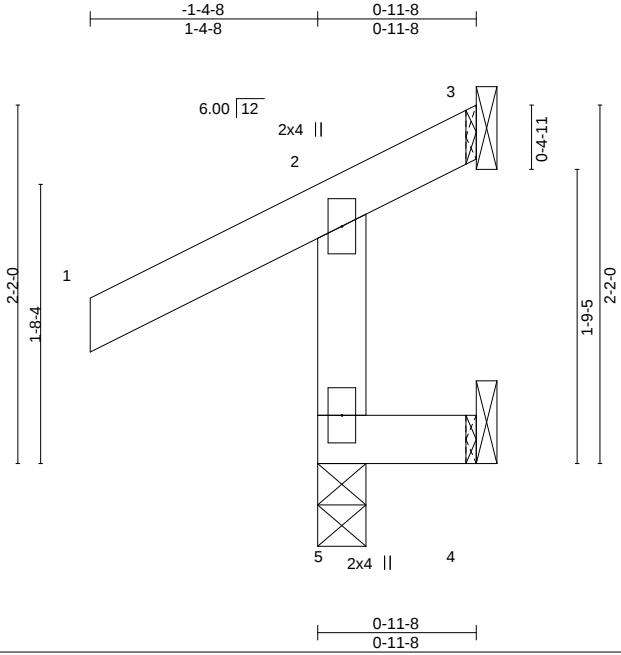
Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219978
6252820	C1E	CORNER JACK	4	1	Job Reference (optional)	

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

Ocala, FL - 34472,

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:29 2025 Page 1

ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-ymrj7ri?WgCuTRoJtafhq0J1ti12Z82zD1xo4yIFHq



Scale = 1:13.9

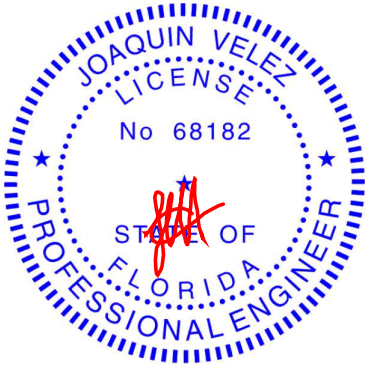
LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.16		Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.07		Vert(CT)	0.00	5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-R							Weight: 7 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 0-11-8 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=66(LC 12)
Max Uplift 5=-32(LC 8), 3=-49(LC 1), 4=-45(LC 12)
Max Grav 5=210(LC 1), 3=10(LC 8), 4=19(LC 10)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left exposed ; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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) 3.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 4. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

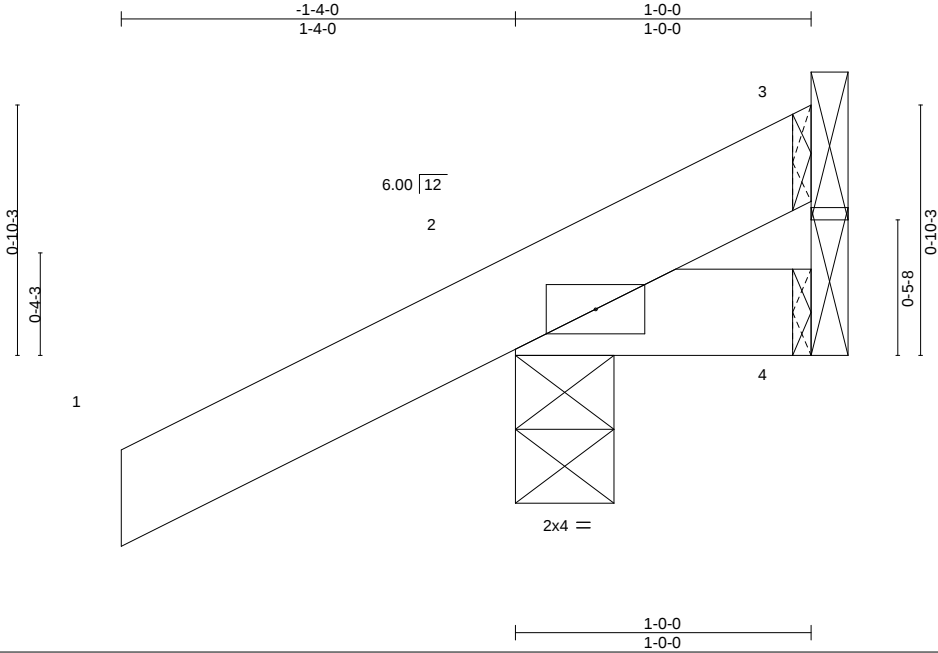
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219979
6252820	C1K	Corner Jack	4	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:30 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-QyP4xTsKmqo3Wd0_ta5uD2ZVMH3_n0OBBtnUKWylFHp



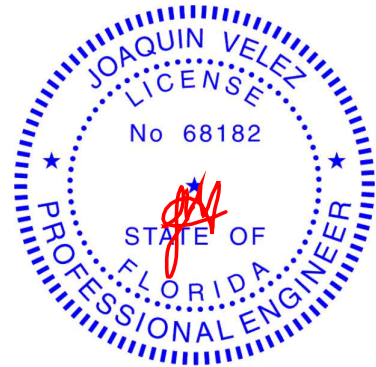
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.12	Vert(LL) -0.00	2	>999	360	MT20 244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.01	Vert(CT) -0.00	2	>999	240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00	3	n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL) 0.00	2	****	240	
						Weight: 6 lb	FT = 20%

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=36(LC 12)
Max Uplift 3=-30(LC 1), 2=-72(LC 12)
Max Grav 3=24(LC 12), 2=179(LC 1), 4=19(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
 - 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

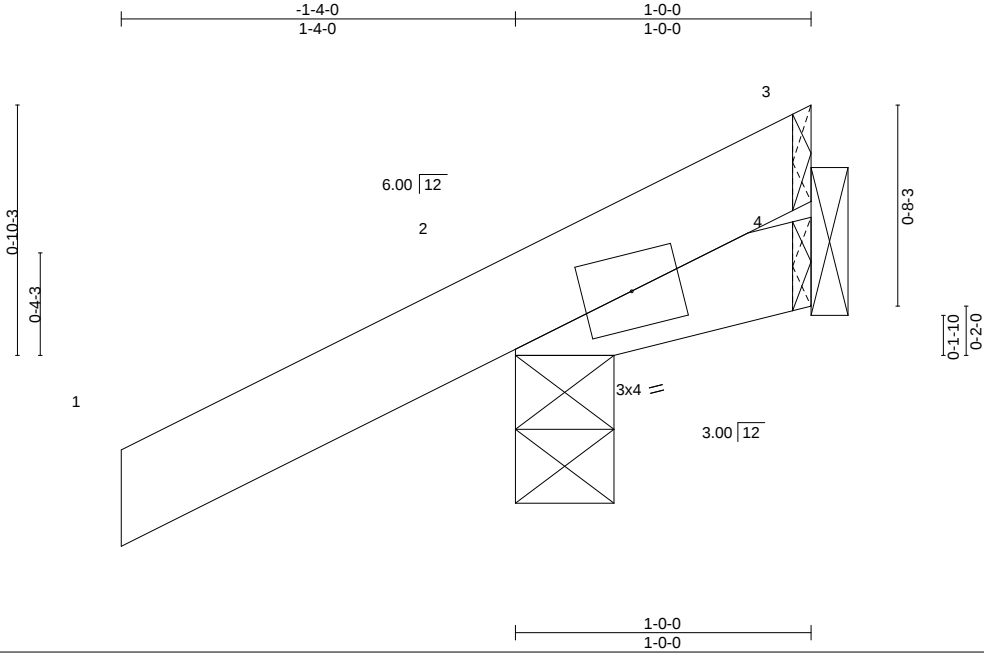
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219980
6252820	C1V	CORNER JACK	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:30 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-QyP4xTsKmqo3Wd0_ta5uD2ZVQH3Gn0OBBtnUKWylFHp



Scale = 1:7.8

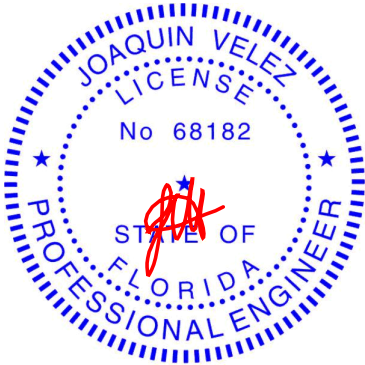
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.12	Vert(LL)	0.00	2	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	0.00	2	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P						Weight: 6 lb	FT = 20%

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

REACTIONS. (size) 2=0-4-0, 4=Mechanical
Max Horz 2=63(LC 12)
Max Uplift 2=-121(LC 12), 4=-20(LC 1)
Max Grav 2=179(LC 1), 4=26(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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

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

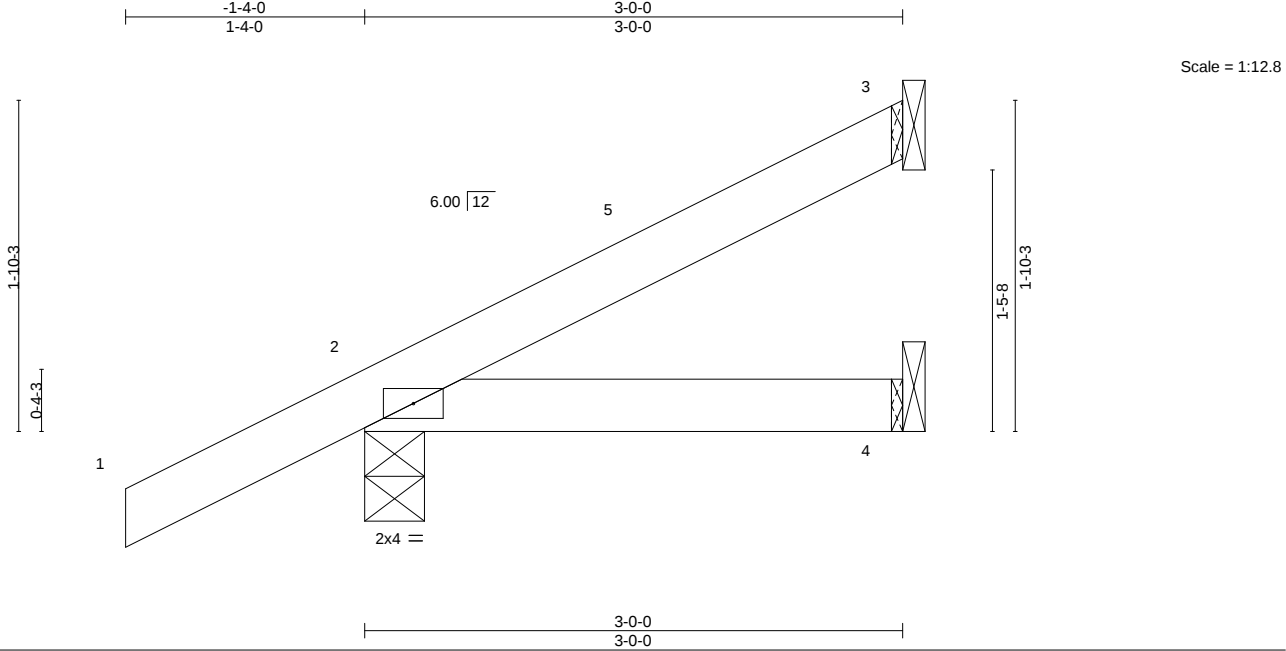
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219981
6252820	C3	CORNER JACK	7	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:31 2025 Page 1
ID:Ts3RJ0261_Xu2fyGsyBHAWzZSLZ-u8zS8psyX7vw7nbARlc7mF6fhO0WTeLQXW2szyIFHo



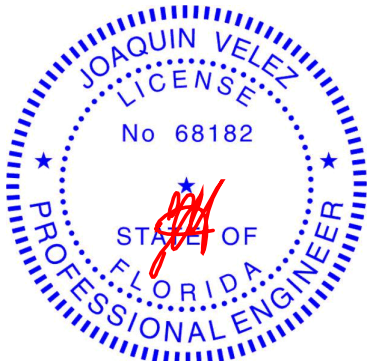
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	-0.00	2-4	>999	360	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	-0.01	2-4	>999	240	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00	2	****	240	Weight: 12 lb FT = 20%

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

REACTIONS.	(size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz	2=59(LC 12)
Max Uplift	3=-17(LC 12), 2=-51(LC 12)
Max Grav	3=59(LC 1), 2=225(LC 1), 4=55(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; 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 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.
 - 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

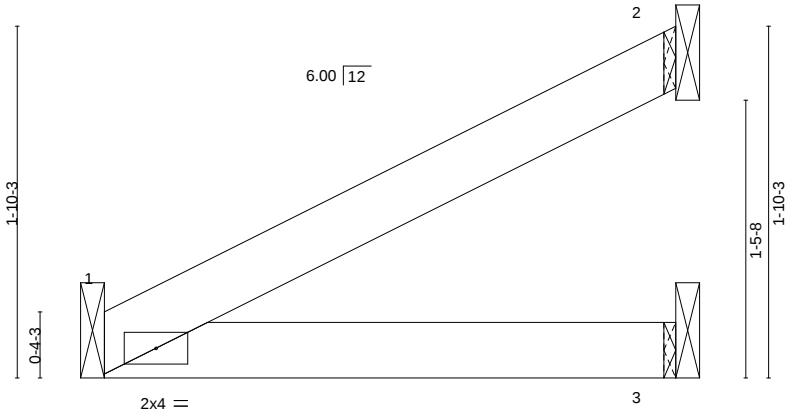
Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219982
6252820	C3A	CORNER JACK	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Sep 3 2025
MiTek Industries, Inc.
Mon Nov 17 14:37:31 2025
Page 1

ID:Ts3RJ0261_Xu2fygSyBHAWzZSLZ-u8zS8psyX7ww7nbARlc7mF6fphOvWTeLQXW2szyIFHo

3-0-0
3-0-0

Scale: 1"=1'



3-0-0
3-0-0

LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.14		Vert(LL)	-0.00	1-3	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.09		Vert(CT)	-0.01	1-3	>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-P		Wind(LL)	0.00	1	****	240	Weight: 10 lb	FT = 20%

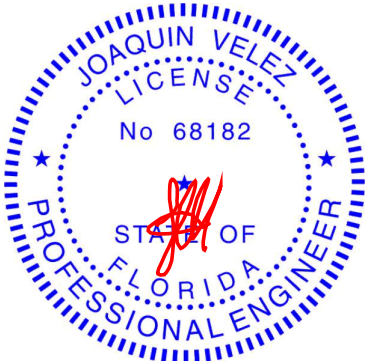
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=Mechanical, 2=Mechanical, 3=Mechanical
Max Horz 1=36(LC 12)
Max Uplift 2=-32(LC 12)
Max Grav 1=115(LC 1), 2=86(LC 1), 3=58(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
- 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 3. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

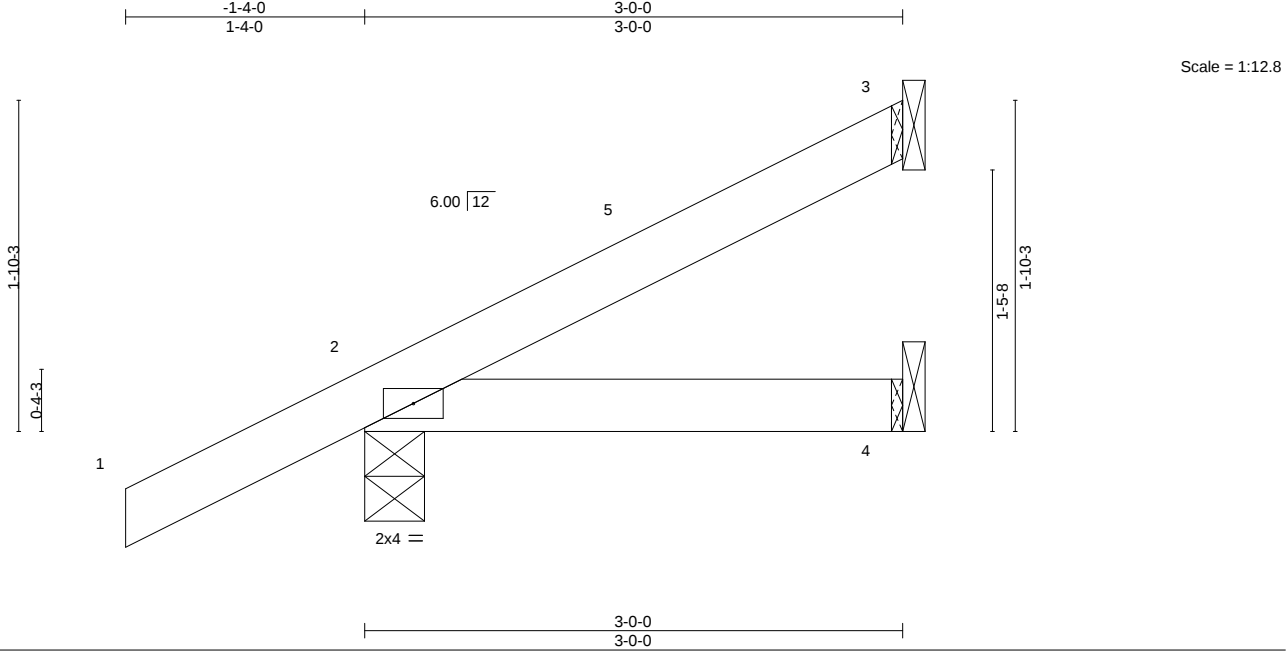
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219983
6252820	C3K	Corner Jack	4	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:31 2025 Page 1
ID:Ts3RJ0261_Xu2fyGsyBHAWzZSLZ-u8zS8psyX7vw7nbARlc7mF6fhO0WTeLQXW2szyIFHo



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	-0.01	2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00	2	****	240	Weight: 12 lb	FT = 20%

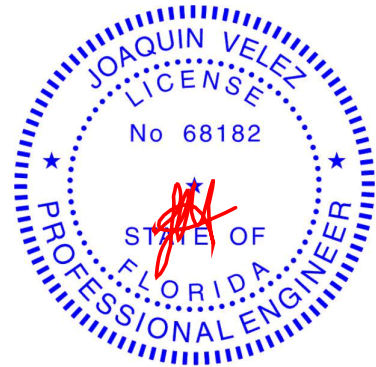
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=59(LC 12)
Max Uplift 3=-17(LC 12), 2=-51(LC 12)
Max Grav 3=59(LC 1), 2=225(LC 1), 4=55(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.
- 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

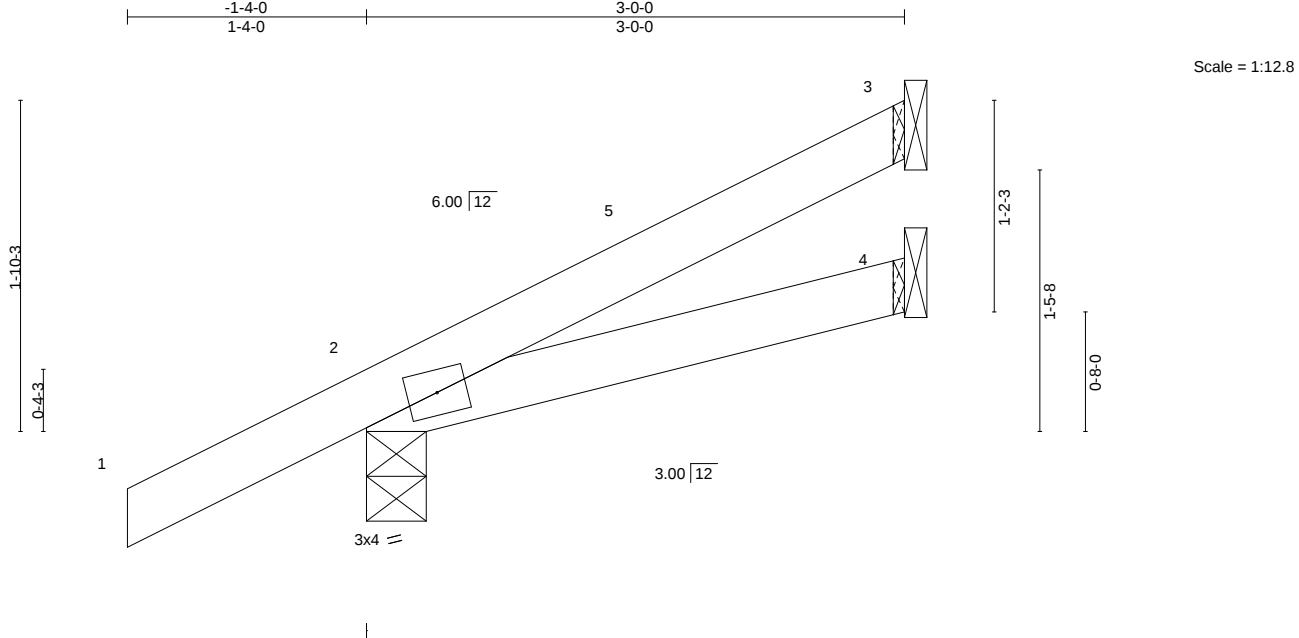
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219984
6252820	C3V	CORNER JACK	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:32 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-MLXqL9taiR2nIxAN_?7MITeqX5kEFwuUfBGbOPylFHN



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 0.14	Vert(LL) -0.00 2-4 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.09	Vert(CT) -0.01 2-4 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00 3 n/a n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL) 0.00 2 **** 240	Weight: 12 lb	FT = 20%

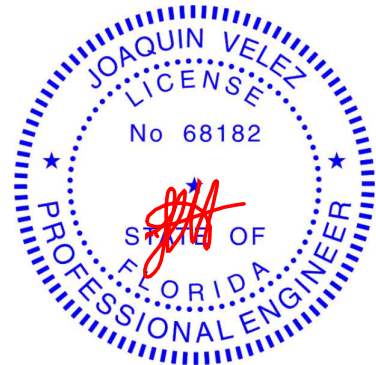
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=58(LC 12)
Max Uplift 3=-18(LC 12), 2=-50(LC 12)
Max Grav 3=59(LC 1), 2=225(LC 1), 4=55(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; 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 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
- 8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

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

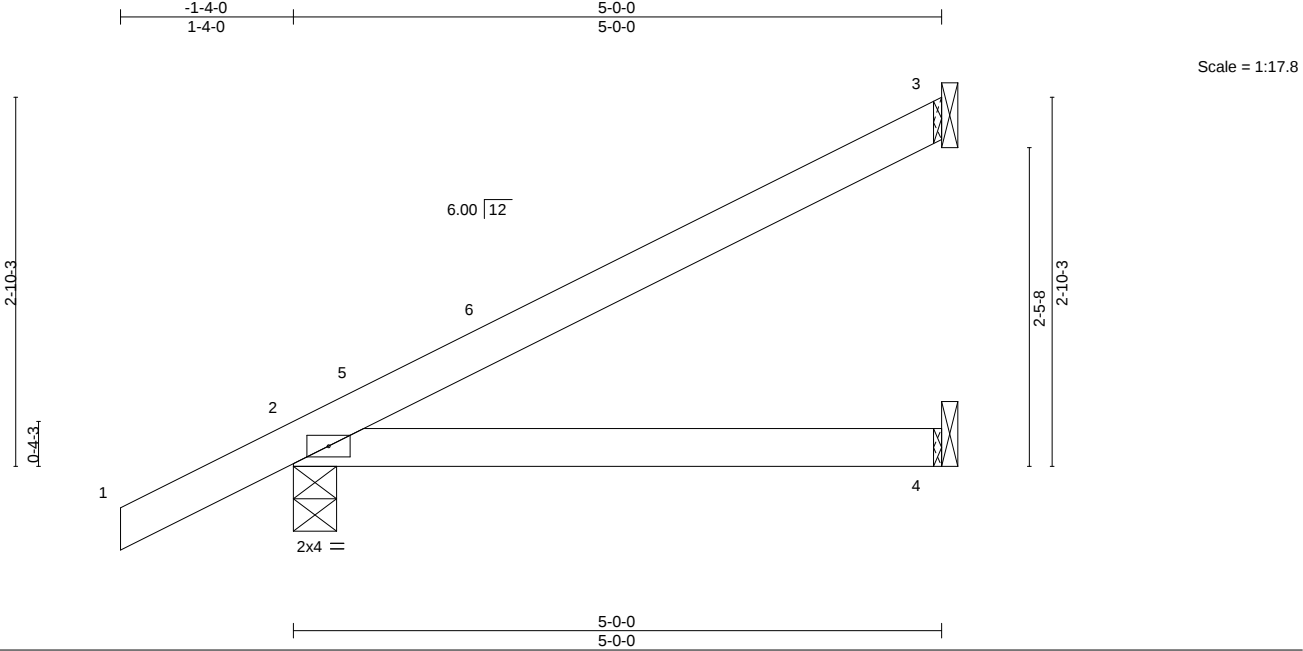
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219985
6252820	C5	CORNER JACK	7	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:32 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-MLXqL9talR2nlxAN_?7MITenU5hCFwuUfBGbOPylFHN



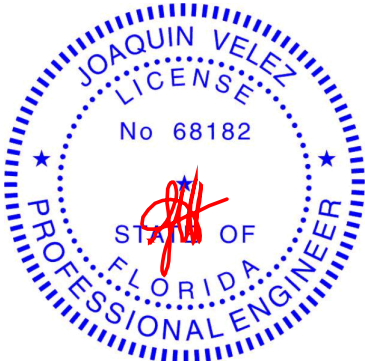
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.33	Vert(LL) -0.03	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.28	Vert(CT) -0.06	2-4	>921	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL) 0.00	2	****	240	Weight: 18 lb	FT = 20%

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

REACTIONS.	(size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz	2=83(LC 12)
Max Uplift	3=-45(LC 12), 2=-43(LC 12)
Max Grav	3=129(LC 1), 2=295(LC 1), 4=95(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) 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.
 - 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

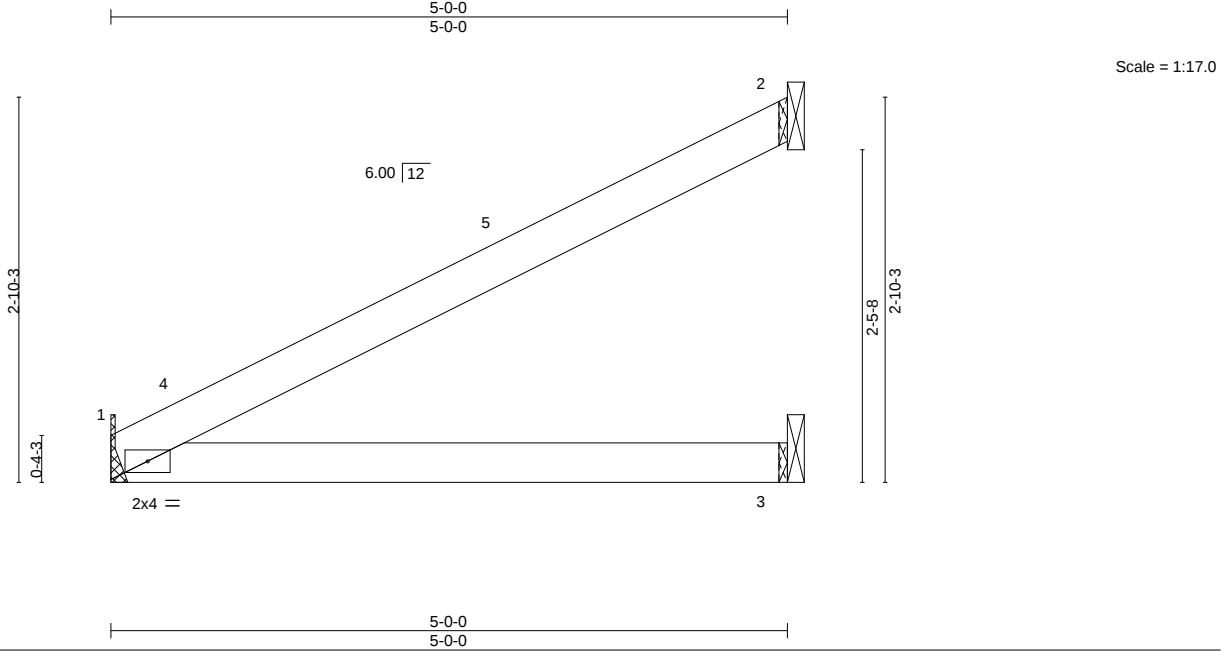
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219986
6252820	C5A	CORNER JACK	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:32 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-MLXqL9taIR2nlxAN_?7MITemz5h?FwuUfBGbOPylFHN



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 0.43	Vert(LL)	-0.03 1-3	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.29	Vert(CT)	-0.07 1-3	>863	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-P	Wind(LL)	0.00 1	****	240	Weight: 16 lb	FT = 20%

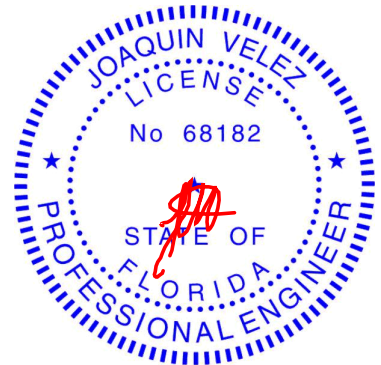
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=Mechanical, 2=Mechanical, 3=Mechanical
Max Horz 1=60(LC 12)
Max Uplift 2=53(LC 12)
Max Grav 1=195(LC 1), 2=146(LC 1), 3=98(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 0-0-12 to 3-0-12, Zone1 3-0-12 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) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
- 8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 3. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

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

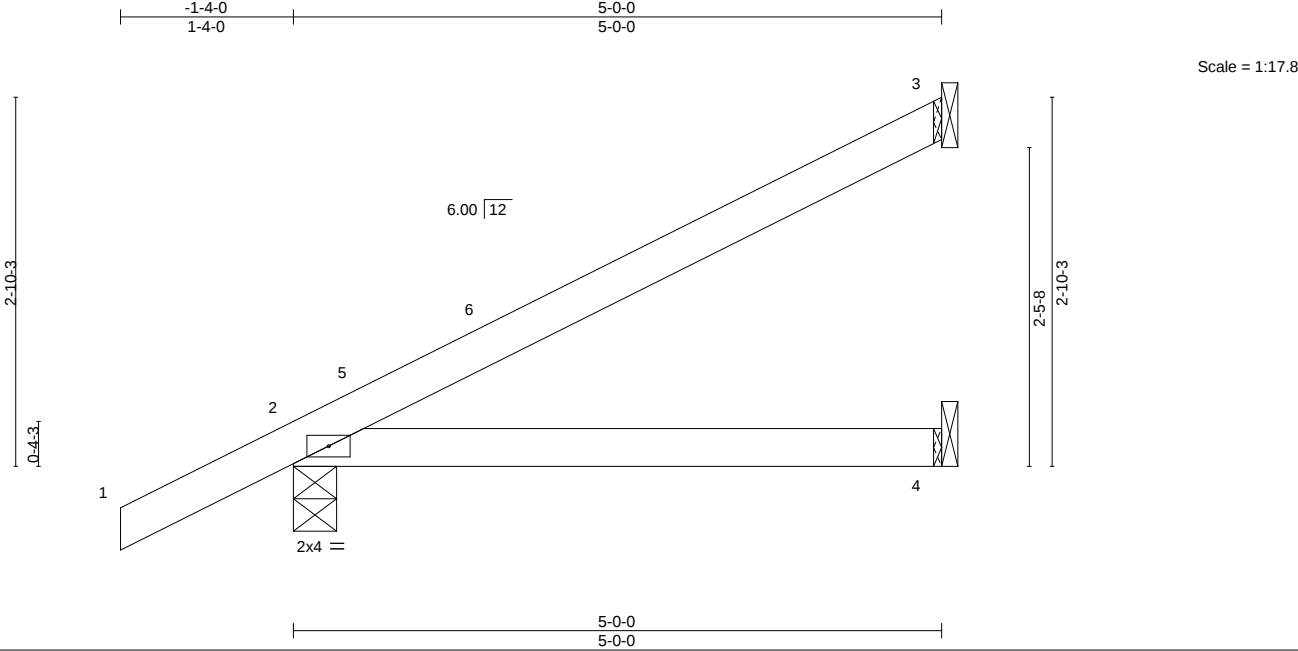
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219987
6252820	C5K	Corner Jack	4	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:33 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-qX5DZVuC3IAeN5IZYjebgByEV1R_N8etr?8xrylFHM



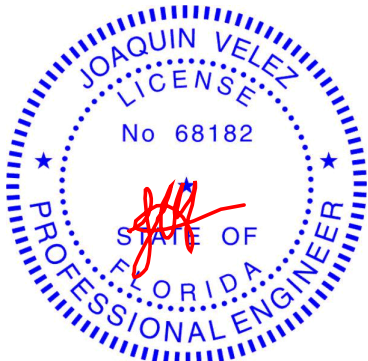
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.33	Vert(LL) -0.03	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.28	Vert(CT) -0.06	2-4	>921	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL) 0.00	2	****	240	Weight: 18 lb	FT = 20%

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

REACTIONS.	(size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz	2=83(LC 12)
Max Uplift	3=-45(LC 12), 2=-43(LC 12)
Max Grav	3=129(LC 1), 2=295(LC 1), 4=95(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.
 - 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.

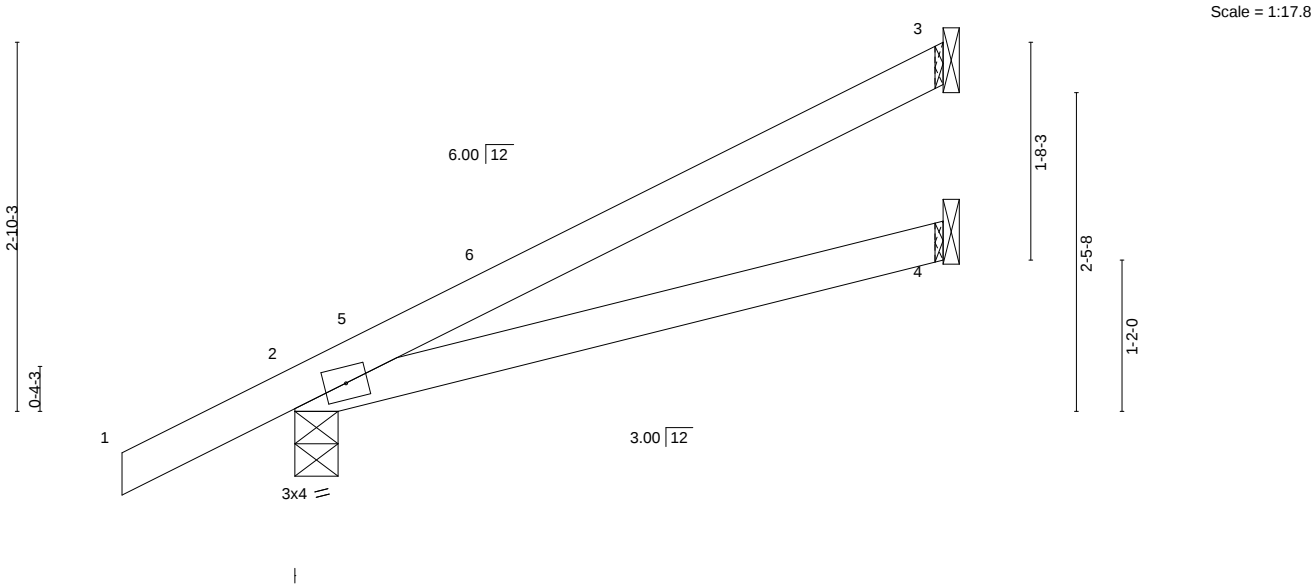


Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

November 18,2025

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219988
6252820	C5V	CORNER JACK	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:33 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-qX5DZVuC3IAeN5IZYjebgByEV1Q_N8etr?8xrylFHM
-1-4-0 5-0-0 5-0-0



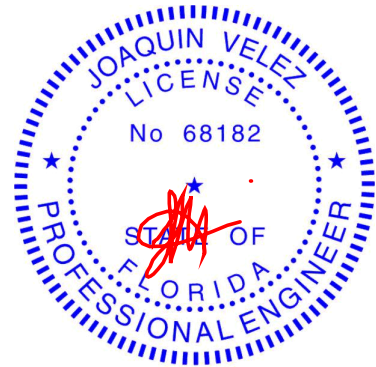
LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.33		Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.28		Vert(CT)	-0.06	2-4	>894	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 18 lb	FT = 20%

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=82(LC 12)
Max Uplift 3=-45(LC 12), 2=-42(LC 12)
Max Grav 3=129(LC 1), 2=295(LC 1), 4=95(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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
 - 8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

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

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219989
6252820	E01	HIP GIRDER	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:34 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-ljfbmrqq2JV_FKl6QAqOukAauPpjpIn6VliTlylFHI

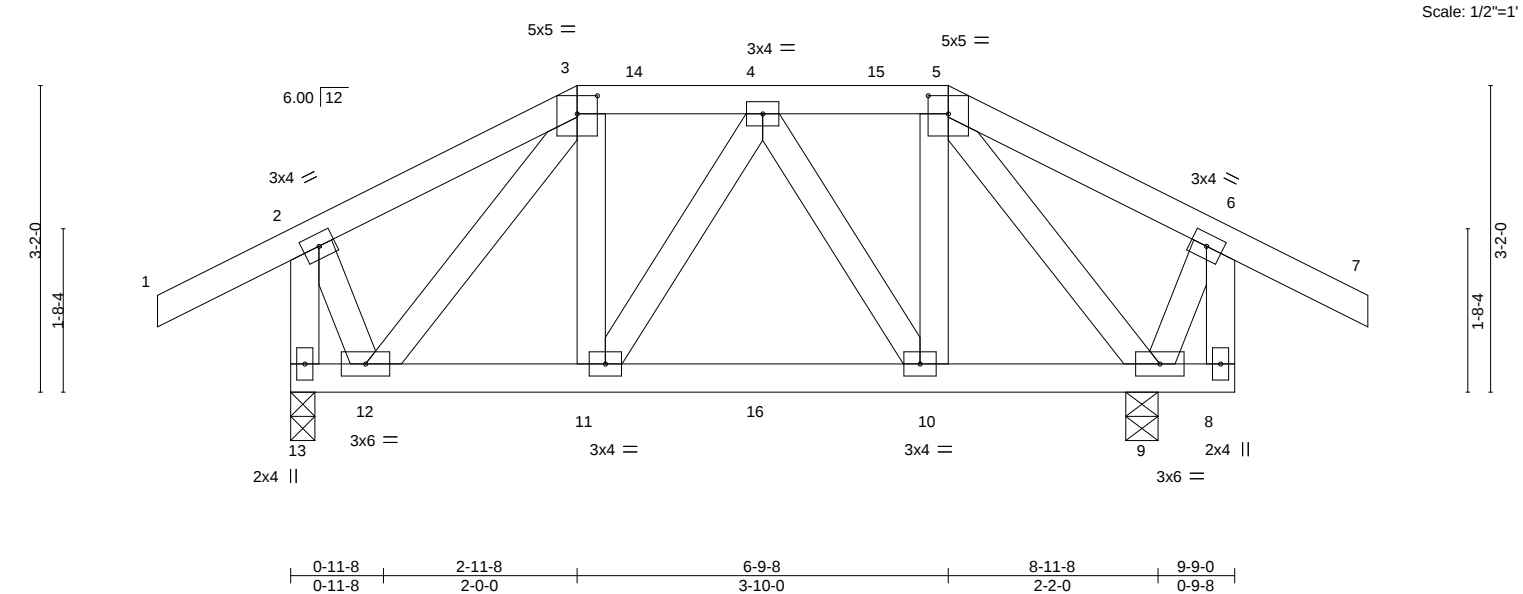


Plate Offsets (X,Y)--		[3:0-2-8,0-2-4], [5:0-2-8,0-2-4]										
LOADING (psf)		SPACING-	2-0-0		CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25		TC	0.17	Vert(LL)	0.01 10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25		BC	0.14	Vert(CT)	-0.01 10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO		WB	0.11	Horz(CT)	-0.00 9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014			Matrix-S						Weight: 69 lb	FT = 20%

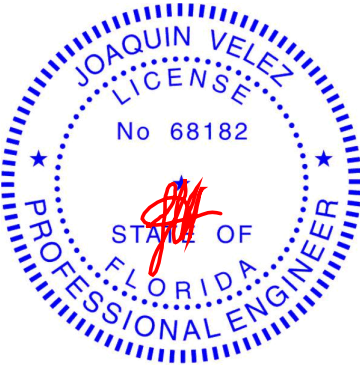
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 13=0-3-0, 9=0-4-0
Max Horz 13=76(LC 7)
Max Uplift 13=-301(LC 8), 9=-340(LC 8)
Max Grav 13=481(LC 19), 9=552(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-293/266, 2-13=-457/289
BOT CHORD 11-12=-254/312, 10-11=-245/320
WEBS 3-12=-303/230, 5-9=-484/336, 2-12=-192/254

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch 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.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13 and 9. This connection is for uplift only and does not consider lateral forces.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 200 lb down and 163 lb up at 2-11-8, and 56 lb down and 45 lb up at 4-10-8, and 200 lb down and 163 lb up at 6-9-8 on top chord, and 47 lb down and 165 lb up at 2-11-8, and 16 lb down and 34 lb up at 4-10-8, and 47 lb down and 165 lb up at 6-8-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-5=-60, 5-6=-60, 6-7=-60, 8-13=-20
Concentrated Loads (lb)
Vert: 3=-101(F) 5=-101(F) 11=65(F) 4=-1(F) 10=65(F) 16=-4(F)



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

November 18,2025

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

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

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

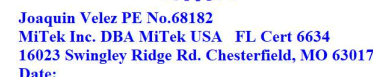
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:34 2025 Page 1
 ID:Ts3RJ0261_Xu2fYgSyBHAwzZSLZ-ljfbmrqq2JV_FKl6QAqOuk9UuPAj0sn6VliTlylFHI
 1-4-8 4-10-8 9-9-0 11-1-8
 1-4-8 4-10-8 4-10-8 1-4-8



LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10'-0" oc bracing.
WEBS	2x4 SP No.2		

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 -1-4-8 to 1-7-8, Zone1 1-7-8 to 4-10-8, Zone2 4-10-8 to 9-1-7, Zone1 9-1-7 to 11-1-8 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) One R17 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 and 7. This connection is for uplift only and does not consider lateral forces.

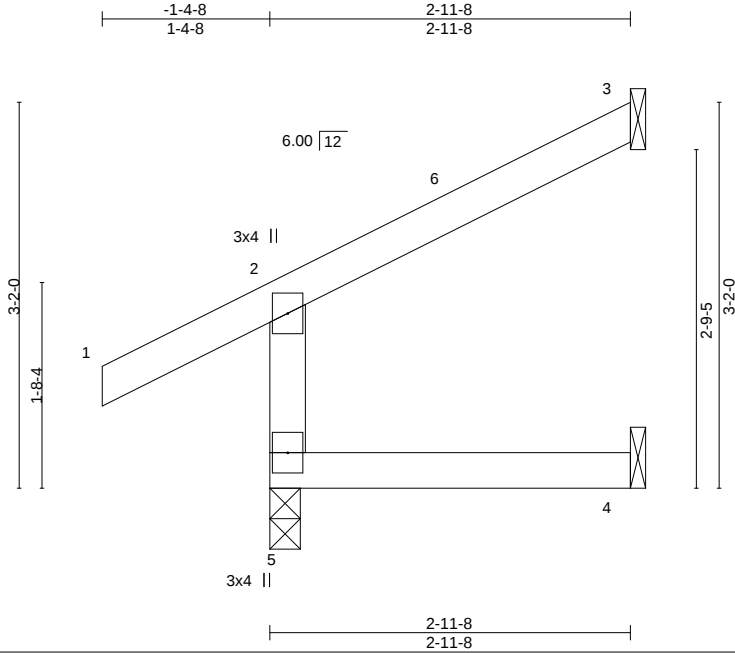


Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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.tpinstitute.org) and **BCSI Building Component Safety Information** available from the Structural Building Components Association (www.sbcsccomponents.com)

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219991
6252820	E3E	JACK-OPEN	3	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:35 2025 Page 1
ID:Ts3RJ0261_Xu2fygSyBHAWzZSLZ-mwDz_BvTbMRMcOvxg8h3w5GLClkYSHdwL9UF?kylFhk



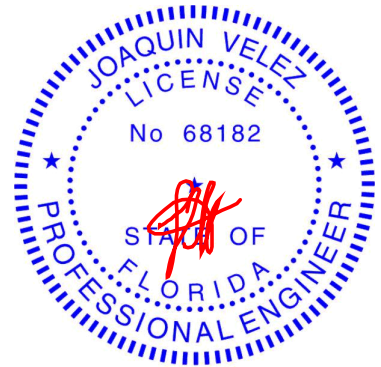
LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.18	Vert(LL)	0.01	4-5	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.18	Vert(CT)	-0.01	4-5	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.03	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-R						Weight: 14 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=89(LC 12)
Max Uplift 5=-39(LC 12), 3=-35(LC 12), 4=-25(LC 12)
Max Grav 5=226(LC 1), 3=64(LC 17), 4=51(LC 3)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-8 to 1-7-8, Zone1 1-7-8 to 2-10-12 zone; cantilever left exposed ; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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) 3.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 4. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

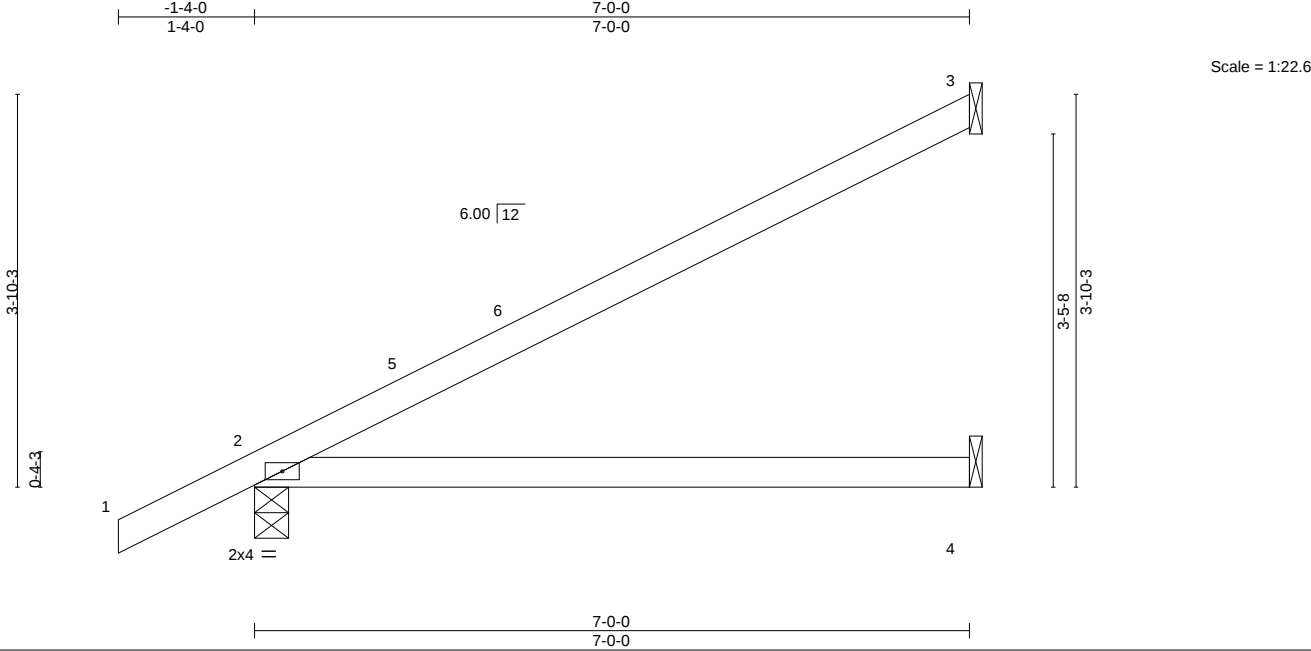
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219992
6252820	E7	JACK-OPEN	40	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:35 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-mwDz_BvTbMRMcOvxg8h3w5GBYldwSHdwL9UF?kylFHk



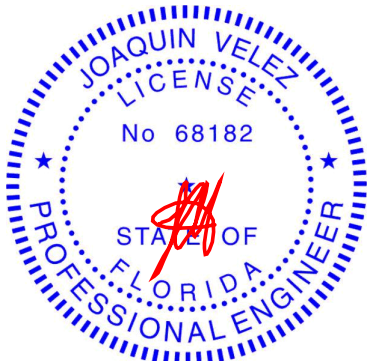
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.79	Vert(LL)	-0.13	2-4	>645	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.60	Vert(CT)	-0.25	2-4	>322	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00	2	****	240	Weight: 24 lb	FT = 20%

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

REACTIONS.	(size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz	2=107(LC 12)
Max Uplift	3=-68(LC 12), 2=-38(LC 12)
Max Grav	3=193(LC 1), 2=371(LC 1), 4=135(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 6-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
 - 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.

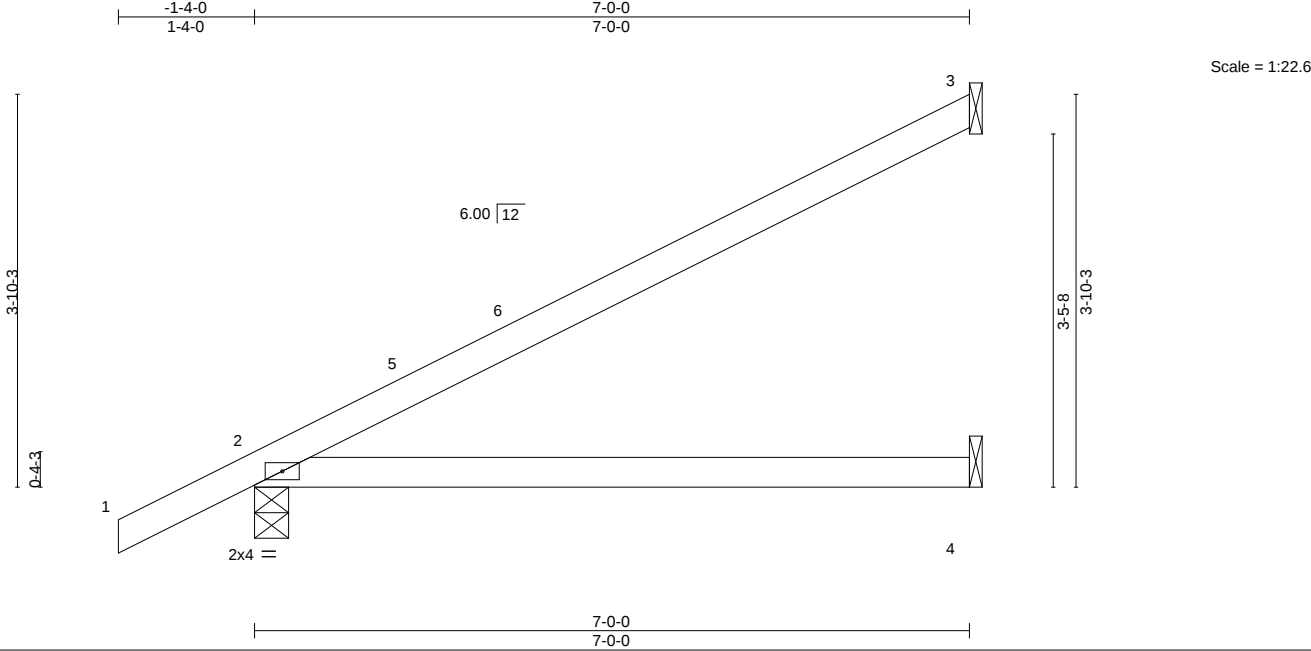


Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

November 18,2025

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219993
6252820	E7K	Jack-Open	5	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:36 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-F6nLBXw5MgZDEYT8DrCITJpMliZ9Bkt4apEpYAYlFHj



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 0.79	Vert(LL)	-0.13	2-4	>645	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.60	Vert(CT)	-0.25	2-4	>322	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00	2	****	240	Weight: 24 lb	FT = 20%

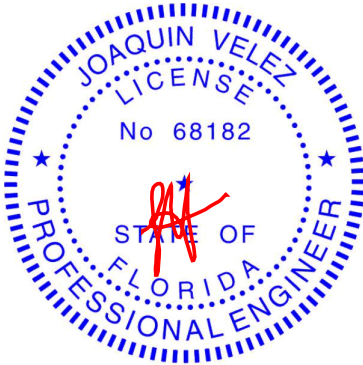
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=107(LC 12)
Max Uplift 3=-68(LC 12), 2=-38(LC 12)
Max Grav 3=193(LC 1), 2=371(LC 1), 4=135(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 6-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
- 7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 18,2025

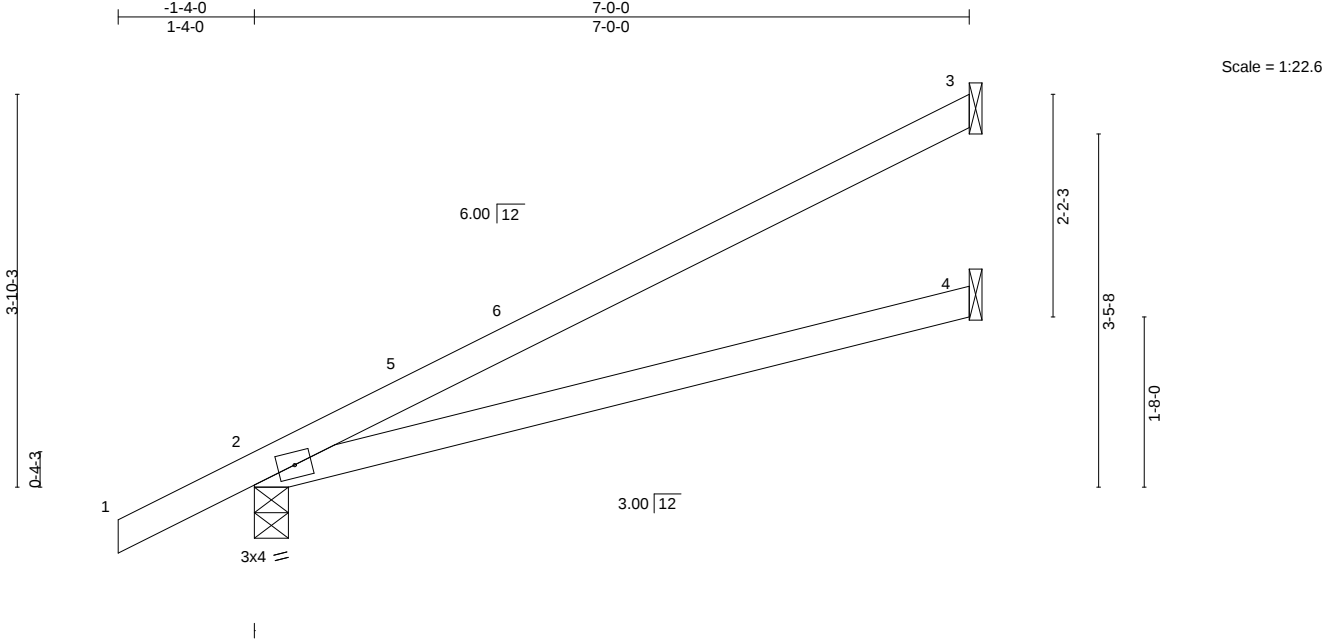
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219994
6252820	E7V	JACK-OPEN	4	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:36 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAwZSLZ-F6nLBXw5MgZDEYT8DrCITJpMHiz6Bkt4apEpYAYlFHj



LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.80		Vert(LL)	-0.13	2-4	>625	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.60		Vert(CT)	-0.26	2-4	>313	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 25 lb	FT = 20%

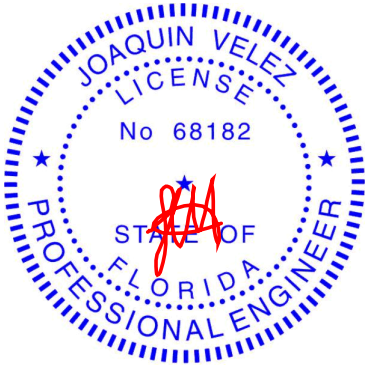
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=106(LC 12)
Max Uplift 3=-69(LC 12), 2=-37(LC 12)
Max Grav 3=193(LC 1), 2=371(LC 1), 4=135(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
- 8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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

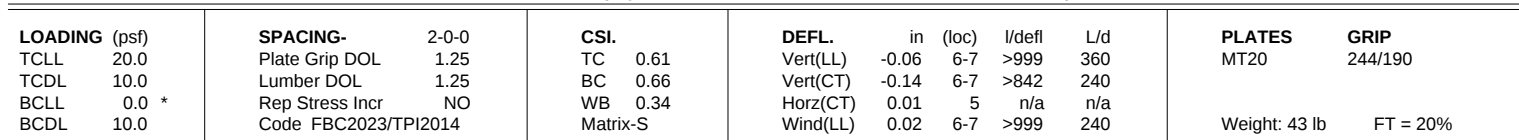
November 18,2025

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

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

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

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:36 2025 Page 1
ID:TSr3J0261_Xu2fYgSyBHAwZSLZ-F6nLBXw5MgZDEYT8DrCITJpPCiy9Bfb4apEYayIFHj



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.

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 8=124(F=62, B=62) 9=-58(F=-29, B=-29) 11=-39(F=-19, B=-19)



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.tpinstitute.org) and **BCSI Building Component Safety Information** available from the Structural Building Components Association (www.sbcsccomponents.com)

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:37 2025 Page 1
ID:Tss3RJ0261_Xu2fyGsyBHAWzZSLZ-jlKjPxsxj7zh4ni2KnYjX?WMZN6J8w6VDoTzM4cyfFHi

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

-1-10-10 4-7-4 9-10-1
1-10-10 4-7-4 5-2-13

Scale = 1:22.8

The diagram shows a roof truss system with a peak height of 3'-9-14". The bottom chord is horizontal, and the top chord follows a gable profile. Members are numbered 1 through 13. Connections are indicated by squares with internal patterns. Dimensions include vertical heights of 0'-4-3" and 3'-9-14", and horizontal spans of 1'-10-10", 4'-7-4", and 9'-10-1". A scale of 1:22.8 is provided.

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.65	Vert(LL)	-0.05	6-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.62	Vert(CT)	-0.12	6-7	>986	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.36	Horz(CT)	0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	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=0-5-5, 5=Mechanical
Max Horz 2=106(LC 27)
Max Uplift 4=-113(LC 8), 2=-100(LC 8)
Max Grav 4=318(LC 1), 2=491(LC 1), 5=290(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-776/8
BOT CHORD 2-7=-70/696, 6-7=-70/696
WEBS 3-7=0/291, 3-6=-734/74

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
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) except (jt=lb) 4=113.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 2. This connection is for uplift only and does not consider lateral forces.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 53 lb down and 115 lb up at 1-4-15, 53 lb down and 115 lb up at 1-4-15, 54 lb down and 30 lb up at 4-2-15, 54 lb down and 30 lb up at 4-2-15, 89 lb down and 67 lb up at 7-0-14, and 89 lb down and 67 lb up at 7-0-14, and 153 lb down and 84 lb up at 9-9-5 on top chord, and at 1-4-15, at 1-4-15, 11 lb down at 4-2-15, 11 lb down at 4-2-15, and 39 lb down at 7-0-14, and 39 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 4=-153(B) 8=77(F=38, B=38) 10=-88(F=-44, B=-44) 13=-39(F=-19, B=-19)

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: November 18, 2025

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219997
6252820	H7V	DIAGONAL HIP GIRDER	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:37 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-jlKjPxsj7zh4ri2KnYjX?WMZy6Fdw3JDoTzM4cylFHI

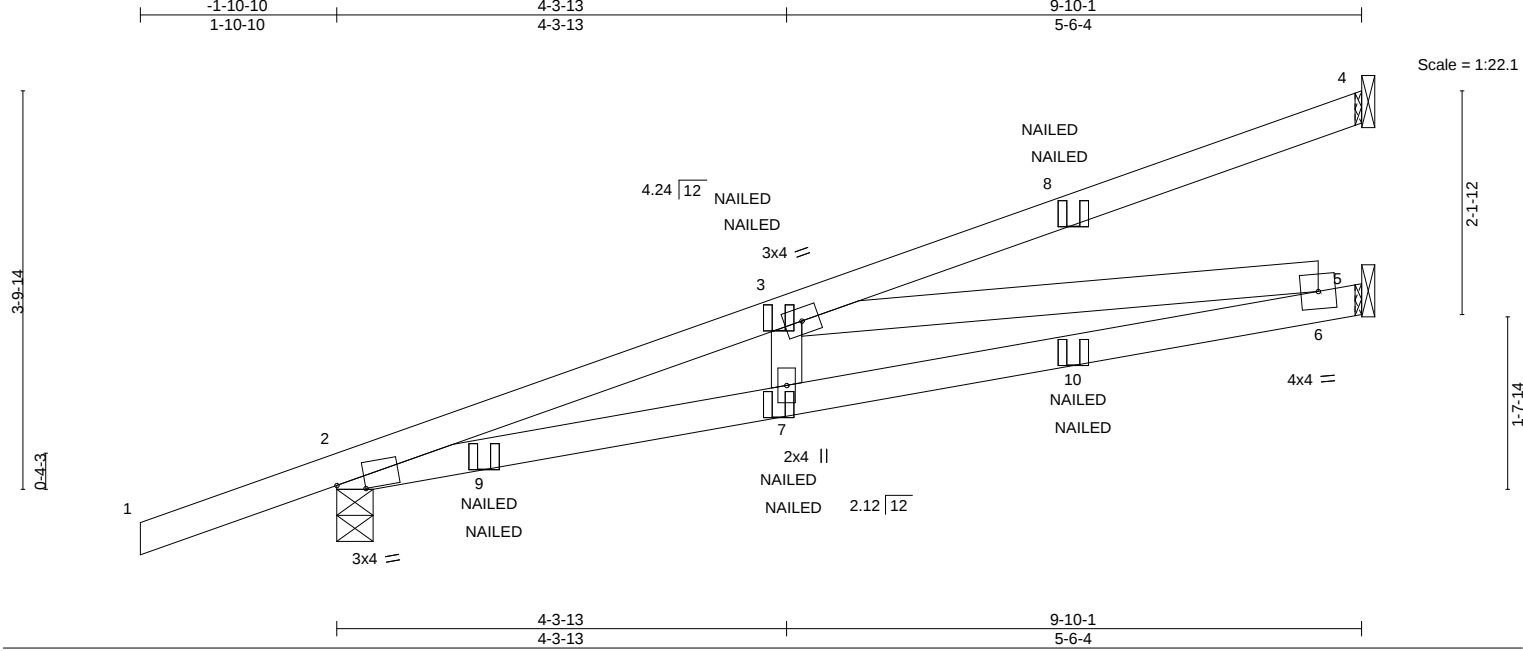


Plate Offsets (X,Y)--		[2:0-3-4,0-0-15]										
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.08	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.19	6-7	>595	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.04	6-7	>999	240	Weight: 42 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-11-10 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 4=Mechanical, 2=0-4-3, 5=Mechanical
Max Horz 2=106(LC 8)
Max Uplift 4=-53(LC 8), 2=-151(LC 3)
Max Grav 4=169(LC 1), 2=460(LC 1), 5=278(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1293/111
BOT CHORD 2-7=-172/1193, 6-7=-177/1192
WEBS 3-7=0/256, 3-6=-1166/166

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
 - 8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 2. This connection is for uplift only and does not consider lateral forces.
 - 9) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

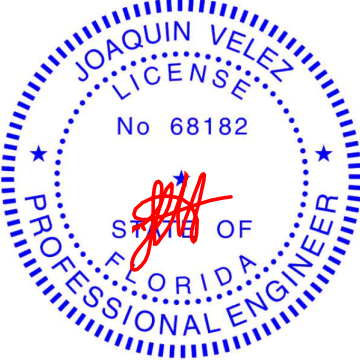
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-60, 2-5=-20

Concentrated Loads (lb)

Vert: 8=-58(F=-29, B=-29) 9=101(F=51, B=51) 10=-39(F=-19, B=-19)



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

November 18,2025

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

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

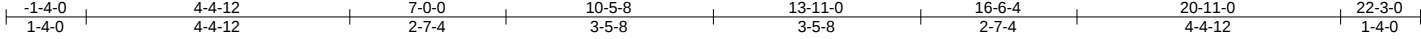
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

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

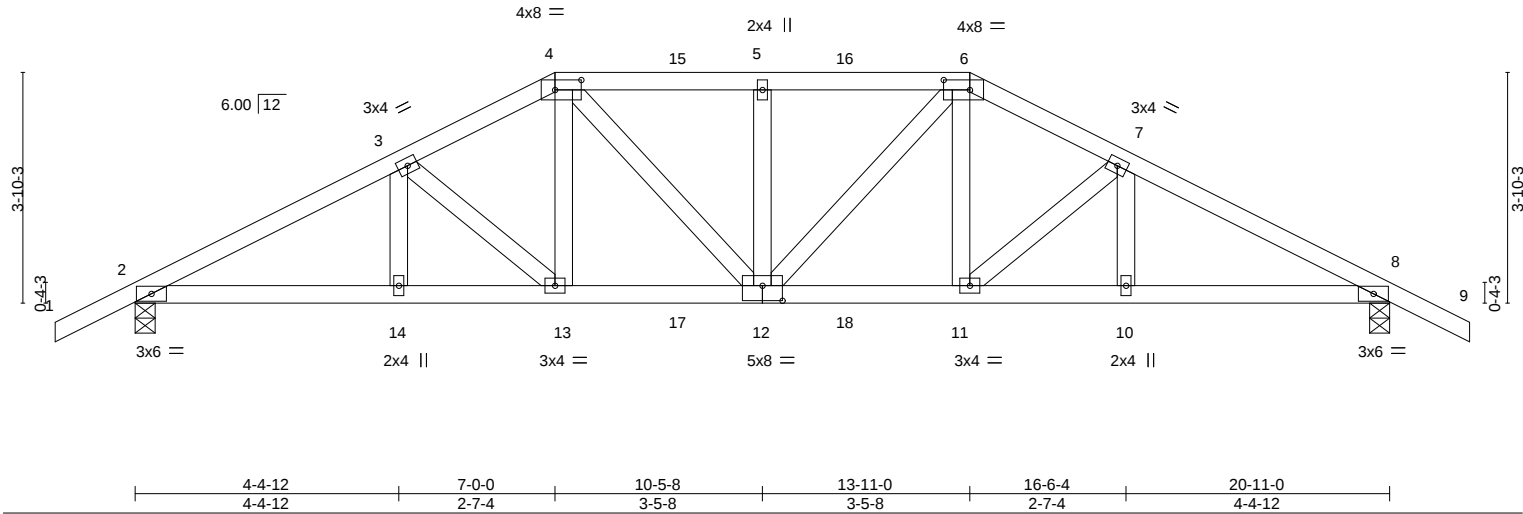
Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219999
6252820	K01	Hip Girder	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:39 2025 Page 1
ID:Ts3RJ0261_Xu2fygSyBHAWzZSLZ-fhSUpYyzebxo50Cjvzl?5xRzyvyKO2dWGnST8VylFHg



Scale = 1:38.4



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.12 12 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.24 12 >999 240				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.10 8 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.07 12 >999 240				
								Weight: 113 lb		FT = 20%	

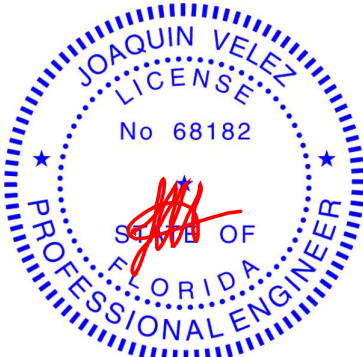
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-10-6 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS.		(size) 2=0-4-0, 8=0-4-0
		Max Horz 2=69(LC 26)
		Max Uplift 2=-157(LC 8), 8=-157(LC 8)
		Max Grav 2=1855(LC 1), 8=1855(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-3444/220, 3-4=-3240/245, 4-5=-3232/260, 5-6=-3232/260, 6-7=-3240/245, 7-8=-3444/220
BOT CHORD	2-14=-135/2988, 13-14=-135/2988, 12-13=-123/2885, 11-12=-116/2885, 10-11=-135/2988, 8-10=-135/2988
WEBS	3-13=-263/103, 4-13=0/568, 4-12=-62/536, 5-12=-539/190, 6-12=-62/536, 6-11=0/568, 7-11=-263/103

- 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); 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.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 413 lb down and 240 lb up at 7-0-0, 133 lb down and 89 lb up at 9-0-12, 133 lb down and 89 lb up at 10-5-8, and 133 lb down and 89 lb up at 11-10-4, and 413 lb down and 240 lb up at 13-11-0 on top chord, and 329 lb down at 7-0-0, 95 lb down at 9-0-12, 95 lb down at 10-5-8, and 95 lb down at 11-10-4, and 329 lb down at 13-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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



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

November 18,2025

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39219999
6252820	K01	Hip Girder	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:39 2025 Page 2
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-fhSUpYyzebxo50Cjvzl?5xRzyvyKO2dWGnST8VylFHg

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 6-9=-60, 2-8=-20
Concentrated Loads (lb)
Vert: 4=-366(F) 6=-366(F) 13=-304(F) 12=-48(F) 5=-133(F) 11=-304(F) 15=-133(F) 16=-133(F) 17=-48(F) 18=-48(F)

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

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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39220000
6252820	K02	Hip	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL),		Ocala, FL - 34472,		8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:39 2025 Page 1	
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-fhSUpYyzebxo50Cjvzl?5xR0Mv3VO1XWGnST8VylFHg					
4-4-11		9-0-0		11-11-0	
4-4-11		4-7-4		2-11-0	
				16-6-4	
				4-7-5	
				20-11-0	
				4-4-11	

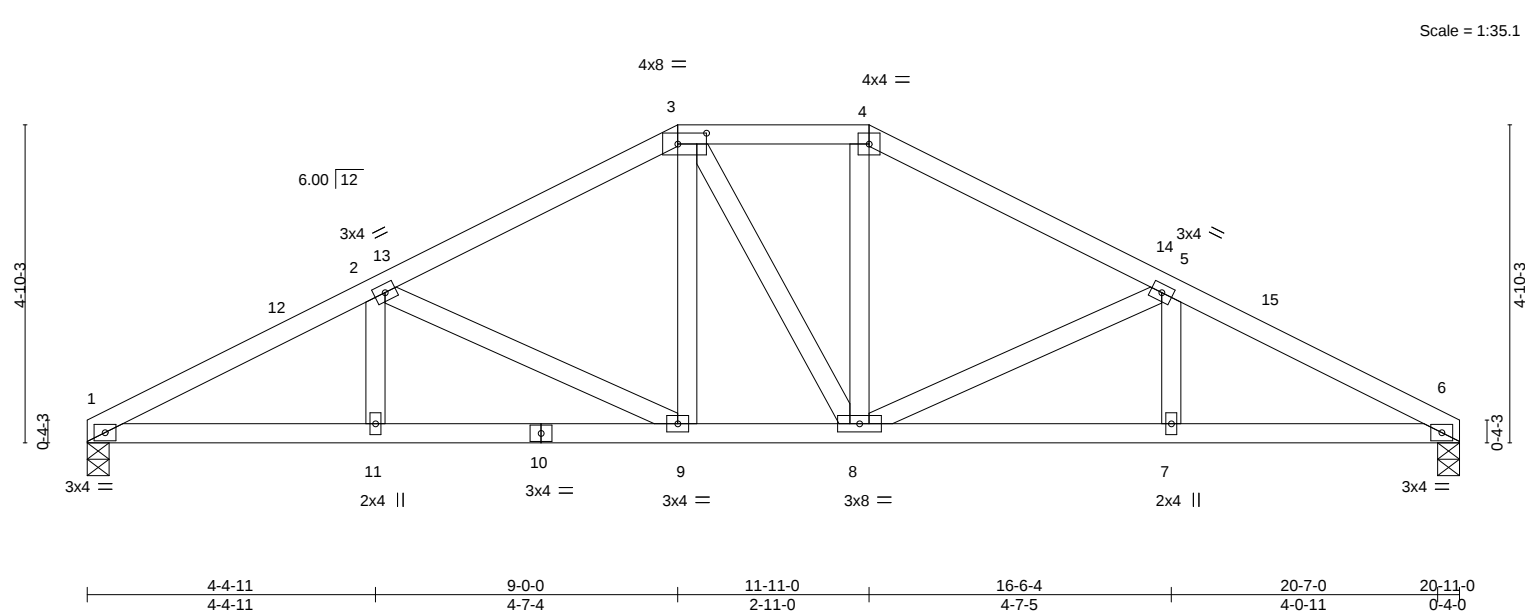


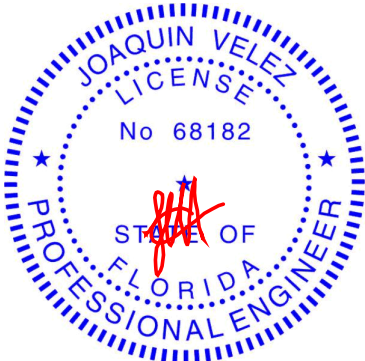
Plate Offsets (X,Y)--		[3:0-5-4,0-2-0]										
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	-0.04	9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.10	9-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.03	9	>999	240	Weight: 106 lb	FT = 20%

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

REACTIONS.	(size) 1=0-4-0, 6=0-4-0
	Max Horz 1=-75(LC 10)
	Max Uplift 1=-36(LC 12), 6=-36(LC 12)
	Max Grav 1=823(LC 1), 6=823(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-1505/140, 2-3=-1099/138, 3-4=-930/147, 4-5=-1100/138, 5-6=-1504/140
BOT CHORD	1-11=-96/1298, 9-11=-96/1298, 8-9=-26/929, 7-8=-93/1298, 6-7=-93/1298
WEBS	2-9=-422/77, 3-9=0/274, 4-8=0/275, 5-8=-421/77

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-2-0 to 3-2-0, Zone1 3-2-0 to 9-0-0, Zone3 9-0-0 to 11-11-0, Zone2 11-11-0 to 16-1-15, Zone1 16-1-15 to 20-9-0 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.
 - One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 6. This connection is for uplift only and does not consider lateral forces.



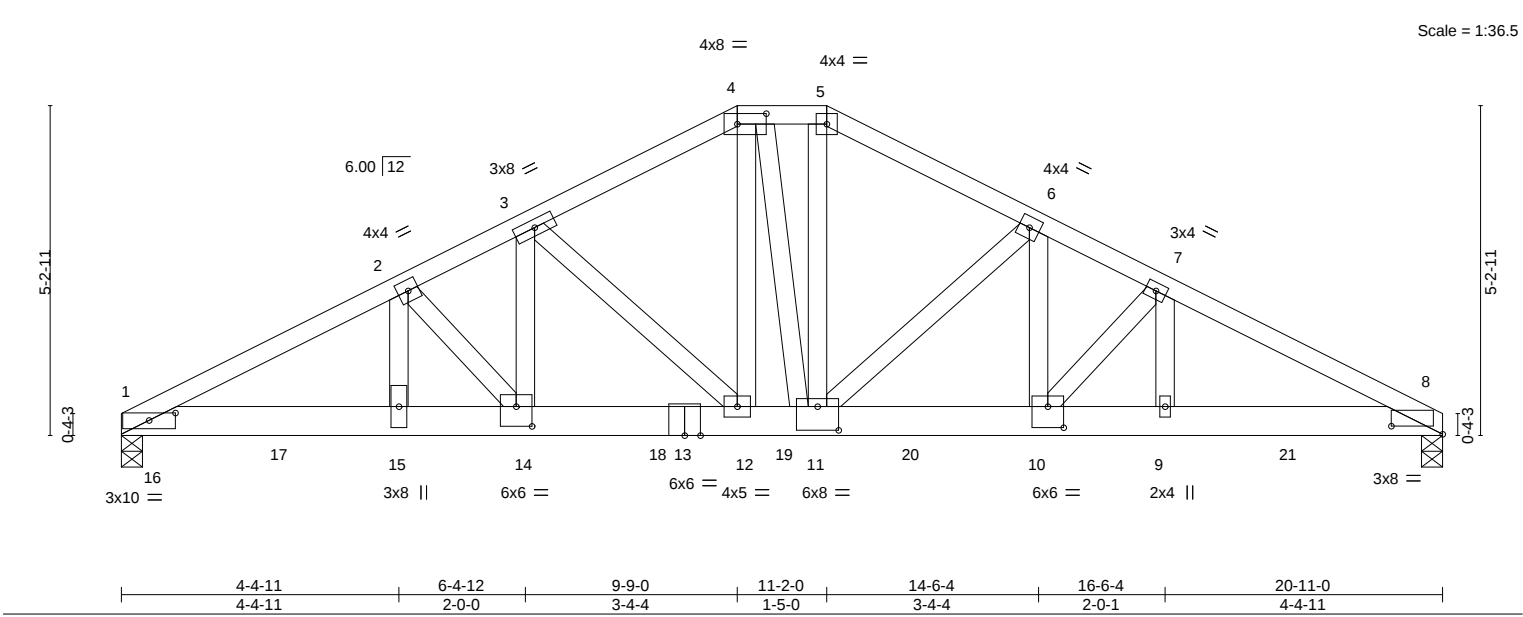
Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

November 18,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcsccomponents.com)	MiTek® 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com
--	---

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39220001
6252820	K03	Hip Girder	1	2	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:40 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-7t0s1uzbPu3fiAnvShGE9z3pJLY7S_fURC0hxyIFHf



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.13 12-14 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.28 12-14 >881 240				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.38	Horz(CT)	0.07 8 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.05 10-11 >999 240				
								Weight: 276 lb		FT = 20%	

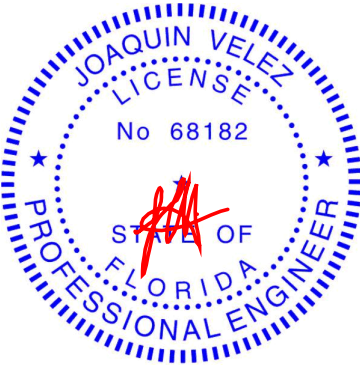
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-0-1 oc purlins.
BOT CHORD	2x6 SP DSS	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 1=0-4-0, 8=0-4-0
Max Horz 1=80(LC 7)
Max Grav 1=6795(LC 2), 8=4676(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-11134/0, 2-3=-9667/0, 3-4=-7160/0, 4-5=-6520/0, 5-6=-7221/0, 6-7=-9101/0, 7-8=-9250/0
BOT CHORD 1-15=0/9883, 14-15=0/9883, 12-14=0/8635, 11-12=0/6445, 10-11=0/8123, 9-10=0/8187, 8-9=0/8187
WEBS 2-15=0/2032, 2-14=-1942/0, 3-14=0/3156, 3-12=-3210/0, 4-12=0/2974, 4-11=-512/366, 5-11=0/2995, 6-11=-2289/178, 6-10=-130/2223

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-2-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1212 lb down at 0-6-4, 1230 lb down at 2-6-4, 1230 lb down at 4-6-4, 1230 lb down at 6-6-4, 1230 lb down at 8-6-4, 921 lb down and 60 lb up at 10-6-4, 921 lb down and 60 lb up at 12-6-4, 1769 lb down and 95 lb up at 14-6-4, 175 lb down at 16-5-15, and 95 lb down at 18-5-15, and 174 lb down and 77 lb up at 20-9-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard



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

November 18,2025

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39220001
6252820	K03	Hip Girder	1	2	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:40 2025 Page 2
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-7t0s1uzbPu3fiAnvShGEd9z3pJLY7S_fURC0hxyIFHf

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, 1-8=-20
- Concentrated Loads (lb)
Vert: 8=-174 15=-1153(B) 14=-1153(B) 10=-1769(B) 9=-175(B) 16=-1136(B) 17=-1153(B) 18=-1153(B) 19=-921(B) 20=-921(B) 21=-95(B)

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

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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39220002
6252820	PB1	Piggyback	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:40 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-7t0s1uzbPu3fiAnvShGE9zDuJSG7XXfURC0hxyIFHf

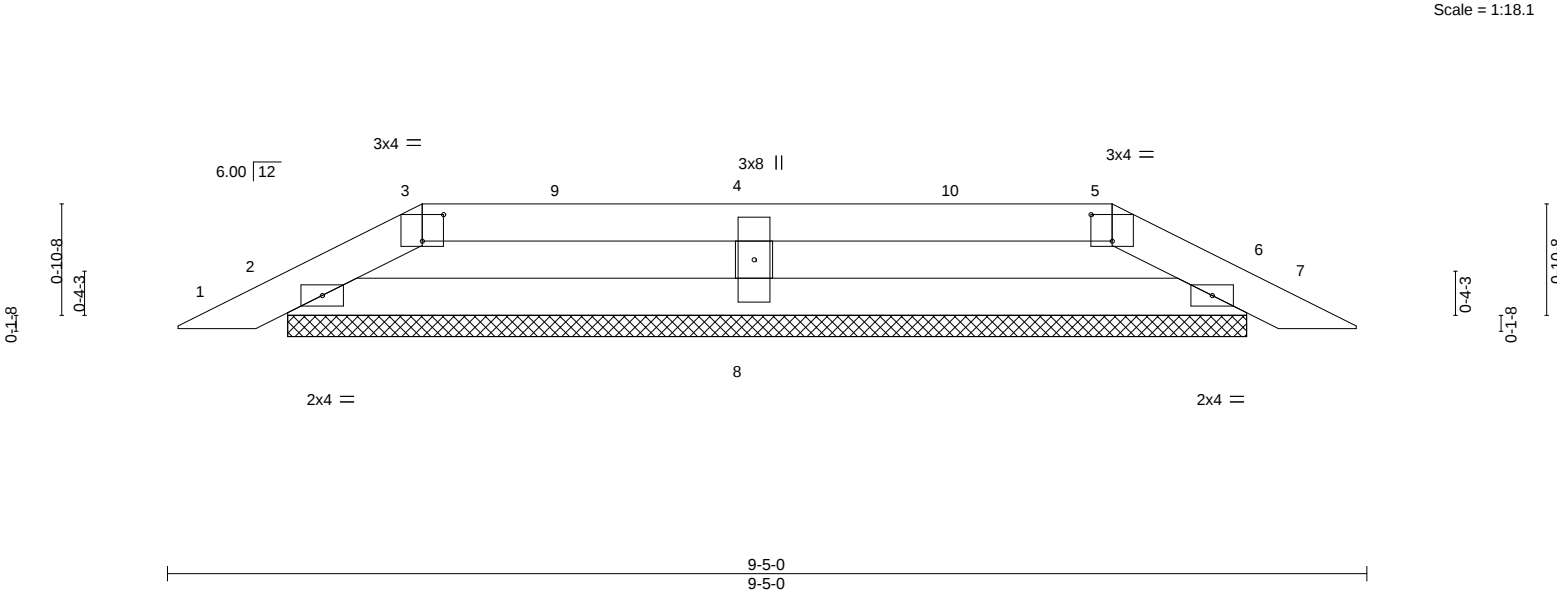


Plate Offsets (X,Y)--		[3:0-2-0,0-2-8], [5:0-2-0,0-2-8]						
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP
TCLL 20.0		Plate Grip DOL 1.25		TC 0.12		Vert(LL) 0.00 7 n/r 120		MT20 244/190
TCDL 10.0		Lumber DOL 1.25		BC 0.14		Vert(CT) 0.00 7 n/r 120		
BCLL 0.0 *		Rep Stress Incr YES		WB 0.02		Horz(CT) 0.00 6 n/a n/a		
BCDL 10.0		Code FBC2023/TPI2014		Matrix-S				Weight: 26 lb FT = 20%

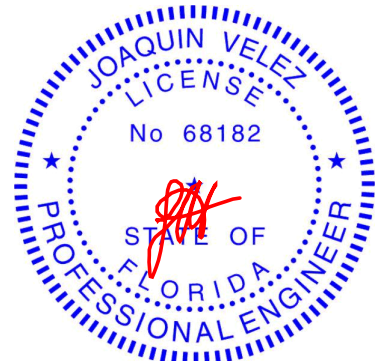
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 2=7-6-6, 6=7-6-6, 8=7-6-6
Max Horz 2=14(LC 11)
Max Uplift 2=-29(LC 12), 6=-29(LC 12), 8=-8(LC 9)
Max Grav 2=182(LC 1), 6=190(LC 1), 8=297(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 0-4-11 to 2-0-0, Zone2 2-0-0 to 6-2-15, Zone1 6-2-15 to 7-5-0, Zone3 7-5-0 to 9-0-5 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.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- N/A
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

November 18,2025

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

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

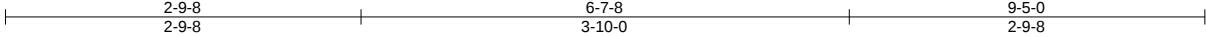
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39220003
6252820	PB2	Piggyback	1	1	Job Reference (optional)	

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:41 2025 Page 1

ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-b4aEEEE_DACBVKJM50OoTAMWOCjoVs_rpj5xZDOylFHe



Scale = 1:18.1

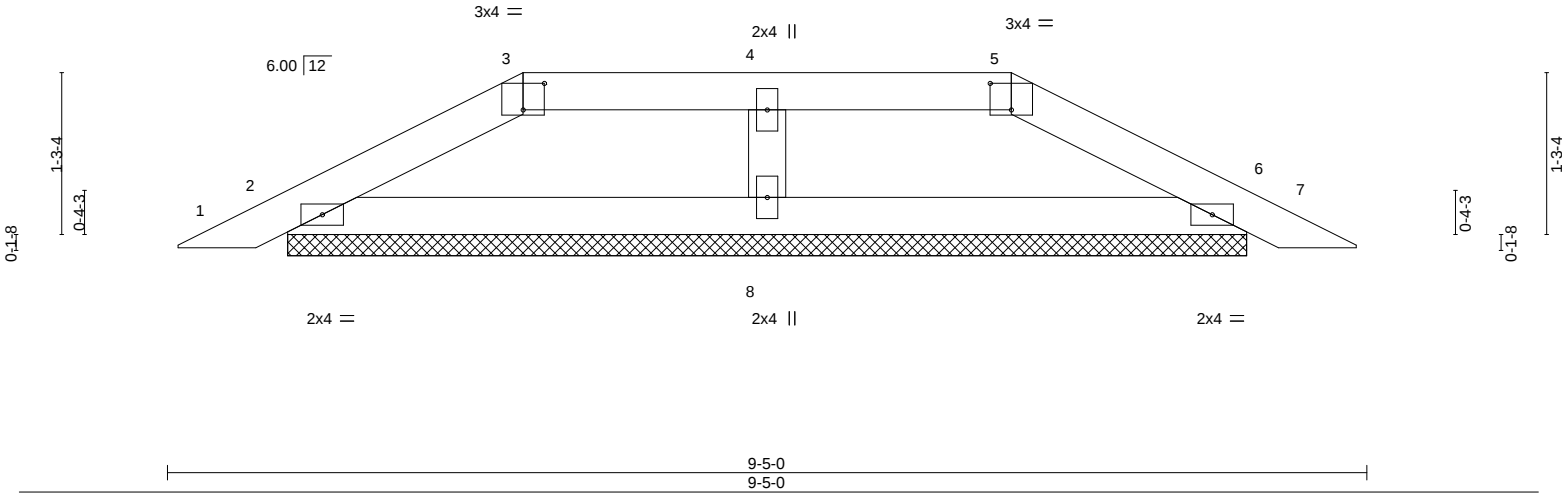


Plate Offsets (X,Y)--		[3:0-2-0,0-2-8], [5:0-2-0,0-2-8]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.08	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.14	Vert(CT)	0.00	7	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	6	n/a	n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-S						Weight: 27 lb	FT = 20%

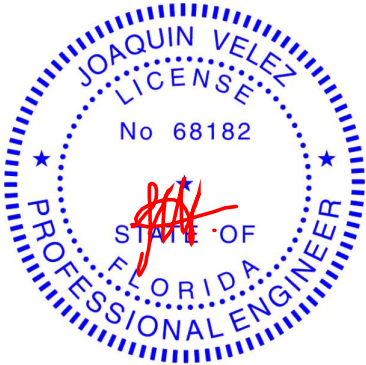
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2	

REACTIONS. (size) 2=7-6-6, 6=7-6-6, 8=7-6-6
Max Horz 2=-20(LC 10)
Max Uplift 2=-35(LC 12), 6=-35(LC 12)
Max Grav 2=209(LC 1), 6=209(LC 1), 8=252(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;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.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- N/A
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

November 18,2025

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

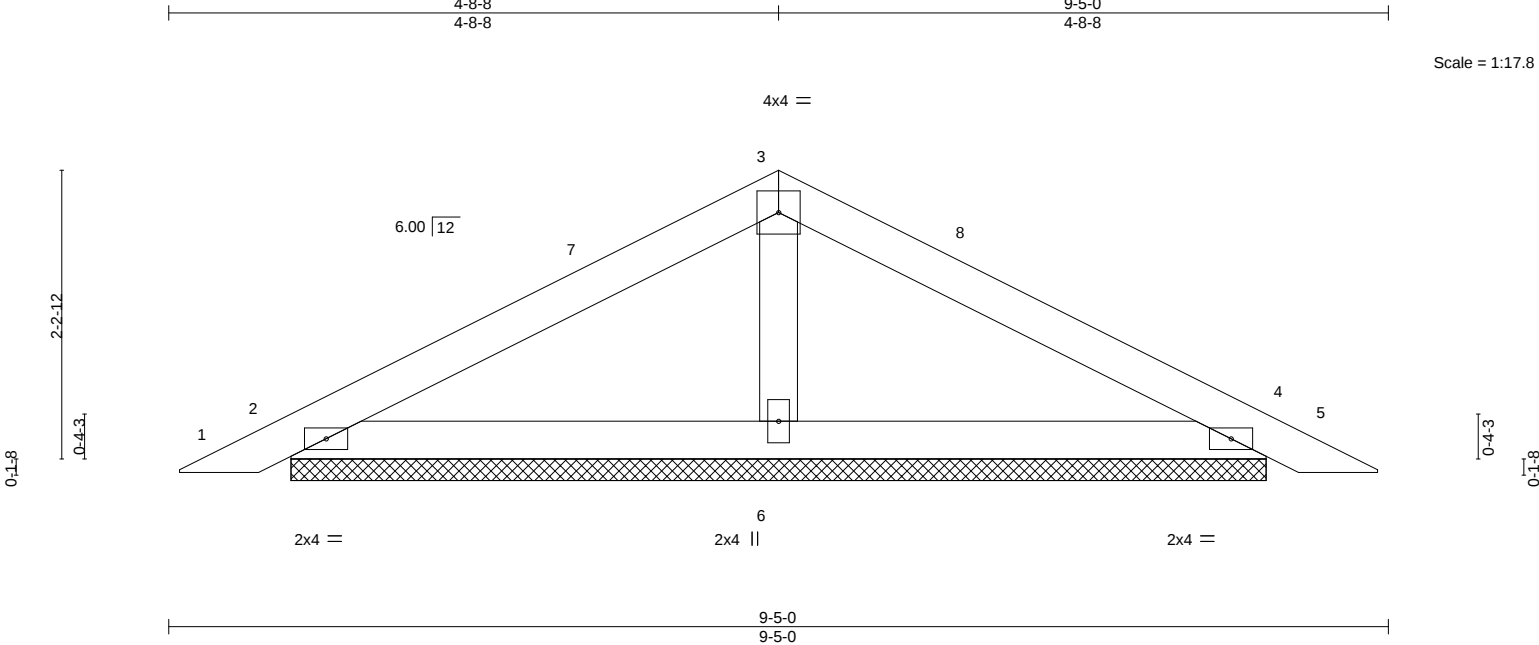
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39220004
6252820	PB3	Piggyback	4	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Sep 3 2025
MiTek Industries, Inc.
Mon Nov 17 14:37:41 2025
Page 1

ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-b4aEEE_DACBVKJM50OoTAMWMWjoUs_kpj5xZDOylFHe



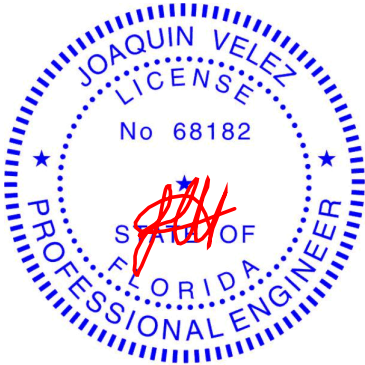
LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.25	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.14	Vert(CT)	0.01	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P						Weight: 29 lb	FT = 20%

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

REACTIONS. (size) 2=7-6-6, 4=7-6-6, 6=7-6-6
Max Horz 2=-36(LC 10)
Max Uplift 2=-38(LC 12), 4=-38(LC 12)
Max Grav 2=188(LC 1), 4=188(LC 1), 6=294(LC 1)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-4-11 to 3-4-11, Zone1 3-4-11 to 4-8-8, Zone3 4-8-8 to 9-0-5 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - N/A
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

November 18,2025

Job	Truss	Truss Type	Qty	Ply	2508-A 3 Car Fe	T39220005
6252820	PB4	Piggyback	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Mon Nov 17 14:37:42 2025 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-3G8cSa?sxWJMyTxa6Jia3Y977kbR5yyh7lqylFHD

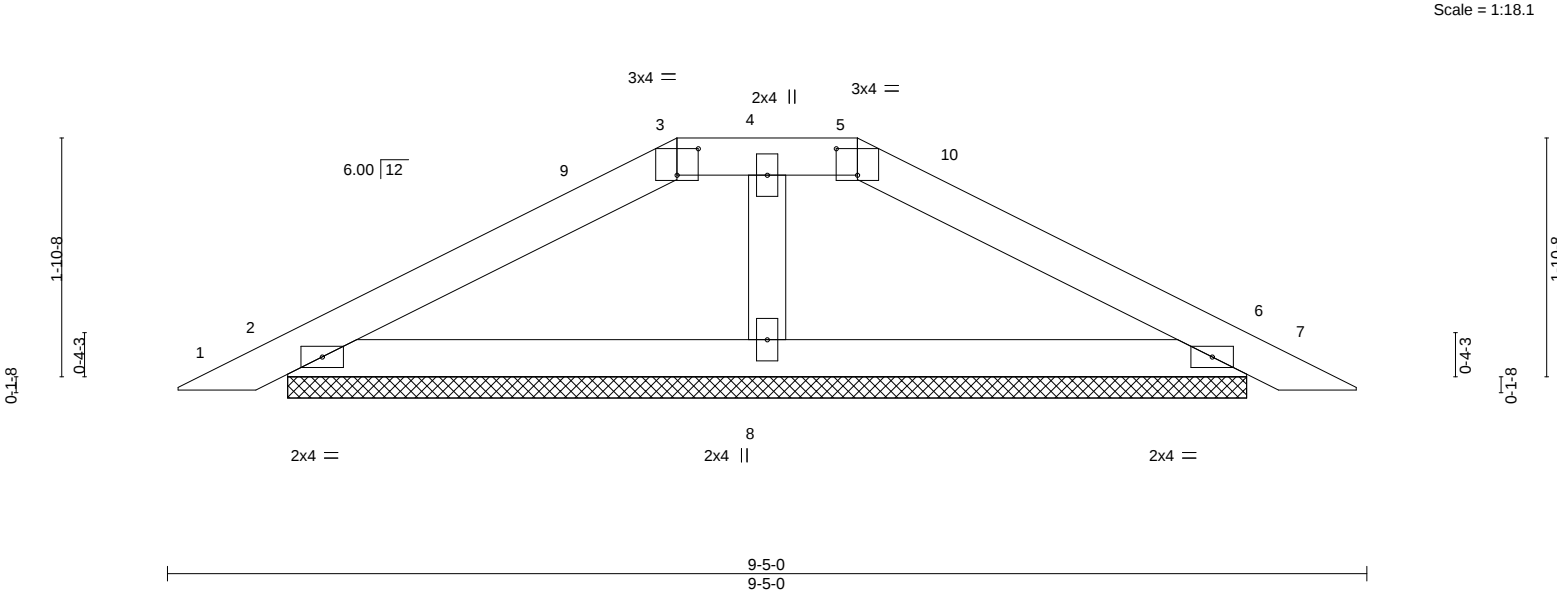


Plate Offsets (X,Y)--		[3:0-2-0,0-2-8], [5:0-2-0,0-2-8]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.13
TCDL 10.0	Lumber DOL	1.25	BC 0.14
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-S
DEFL.	in (loc)	l/defl	L/d
Vert(LL)	0.00	7	n/r
Vert(CT)	0.01	7	n/r
Horz(CT)	0.00	6	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 28 lb	FT = 20%		

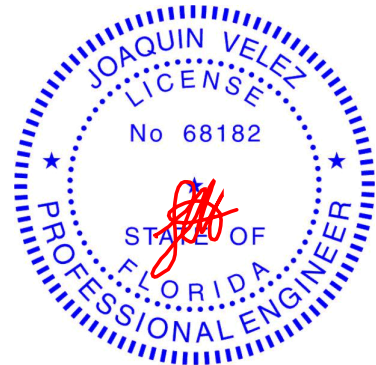
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2	

REACTIONS. (size) 2=7-6-6, 6=7-6-6, 8=7-6-6
Max Horz 2=-30(LC 10)
Max Uplift 2=-38(LC 12), 6=-38(LC 12)
Max Grav 2=203(LC 1), 6=203(LC 1), 8=264(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 0-4-11 to 3-4-11, Zone1 3-4-11 to 4-0-0, Zone3 4-0-0 to 9-0-5 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.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- N/A
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

November 18,2025

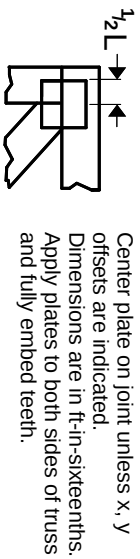
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

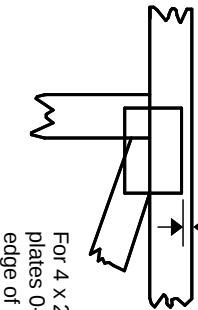
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

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

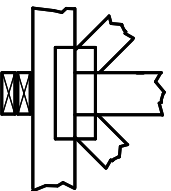
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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.

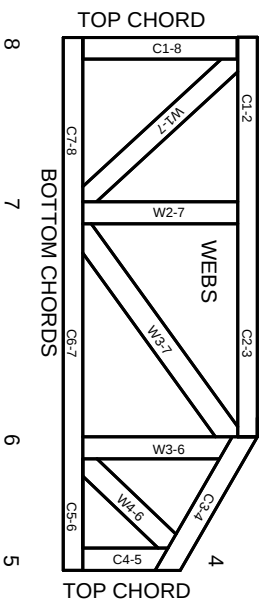
Industry Standards:

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.

© 2023 MITek® All Rights Reserved

MITek®

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.