

RE: 6260875
2200-B-Tray

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

Site Information:

Customer: Adams Homes-Gainesville Project Name: 6260875
Lot/Block: 020 Model: 2200-B
Address: 213 SW Bellflower Dr Subdivision: The Preserve at Laurel Lake
City: Lake City State: FL

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

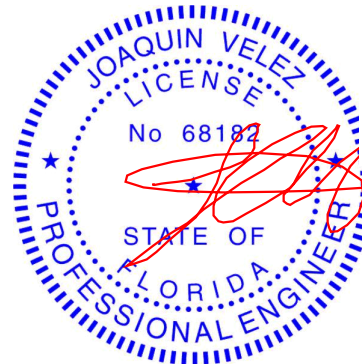
Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.8
Wind Code: ASCE 7-22 Wind Speed: 140 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 39 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	T40425048	A01GR	3/12/2026	21	T40425068	C3T	3/12/2026
2	T40425049	A02	3/12/2026	22	T40425069	C5	3/12/2026
3	T40425050	A03	3/12/2026	23	T40425070	C5T	3/12/2026
4	T40425051	A04	3/12/2026	24	T40425071	D01	3/12/2026
5	T40425052	A05	3/12/2026	25	T40425072	D01A	3/12/2026
6	T40425053	A06	3/12/2026	26	T40425073	D02	3/12/2026
7	T40425054	A07	3/12/2026	27	T40425074	D02GE	3/12/2026
8	T40425055	A08	3/12/2026	28	T40425075	D03	3/12/2026
9	T40425056	A09	3/12/2026	29	T40425076	E2D	3/12/2026
10	T40425057	A10	3/12/2026	30	T40425077	E7	3/12/2026
11	T40425058	A11	3/12/2026	31	T40425078	E7GR	3/12/2026
12	T40425059	A12	3/12/2026	32	T40425079	E7T	3/12/2026
13	T40425060	A13	3/12/2026	33	T40425080	G01	3/12/2026
14	T40425061	A14	3/12/2026	34	T40425081	G02	3/12/2026
15	T40425062	A15	3/12/2026	35	T40425082	G02GE	3/12/2026
16	T40425063	A16	3/12/2026	36	T40425083	H2D	3/12/2026
17	T40425064	A17AGR	3/12/2026	37	T40425084	H7	3/12/2026
18	T40425065	C1	3/12/2026	38	T40425085	H7T	3/12/2026
19	T40425066	C1D	3/12/2026	39	T40425086	V2	3/12/2026
20	T40425067	C3	3/12/2026				

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Tibbetts Lumber Co., LLC.
Truss Design Engineer's Name: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2027.
Florida COA: 6634

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



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

March 12, 2026

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray
6260875	A01GR	Hip Girder	1	1	T40425048

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:37:42 2026 Page 2
ID:KLI25CBHipj6qPylO3?ZYfywBHM-3lHknhkRRYb70hmAJcBydA65TLAyaJZK4vx8a3zc2N7

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 246 lb down and 189 lb up at 7-0-0, 121 lb down and 89 lb up at 9-0-12, 121 lb down and 89 lb up at 11-0-12, 121 lb down and 89 lb up at 13-0-12, 121 lb down and 89 lb up at 15-0-12, 121 lb down and 89 lb up at 17-0-12, 121 lb down and 89 lb up at 19-0-12, 121 lb down and 89 lb up at 21-0-12, 121 lb down and 89 lb up at 23-0-12, 121 lb down and 89 lb up at 24-7-4, 118 lb down and 78 lb up at 26-7-4, 118 lb down and 78 lb up at 28-7-4, and 118 lb down and 78 lb up at 30-7-4, and 239 lb down and 170 lb up at 32-8-0 on top chord, and 351 lb down at 7-0-0, 89 lb down at 9-0-12, 89 lb down at 11-0-12, 89 lb down at 13-0-12, 89 lb down at 15-0-12, 89 lb down at 17-0-12, 89 lb down at 19-0-12, 89 lb down at 21-0-12, 89 lb down at 23-0-12, 89 lb down at 24-7-4, 87 lb down at 26-7-4, 87 lb down at 28-7-4, and 87 lb down at 30-7-4, and 375 lb down at 32-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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, 4-12=-60, 12-13=-60, 13-15=-60, 22-30=-20, 13-20=-20, 16-17=-20, 16-33=-20, 21-22=-20

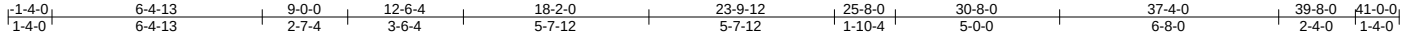
Concentrated Loads (lb)

Vert: 4=-199(B) 12=-192(B) 28=-351(B) 18=-375(B) 36=-121(B) 37=-121(B) 38=-121(B) 40=-121(B) 41=-121(B) 42=-121(B) 43=-121(B) 44=-121(B) 45=-121(B) 47=-111(B) 48=-111(B) 49=-111(B) 50=-69(B) 51=-69(B) 52=-69(B) 53=-69(B) 54=-69(B) 55=-69(B) 56=-69(B) 57=-69(B) 58=-82(B) 59=-82(B) 60=-82(B) 61=-69(B)

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425049
6260875	A02	Hip	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:37:43 2026 Page 1
ID:KL125CBHjp6qPyIO3?ZYfywBHM-Xxr6z14Csj_drLntKiBANfICIYoJldTIzh6Wzc2N6



Scale = 1:70.1

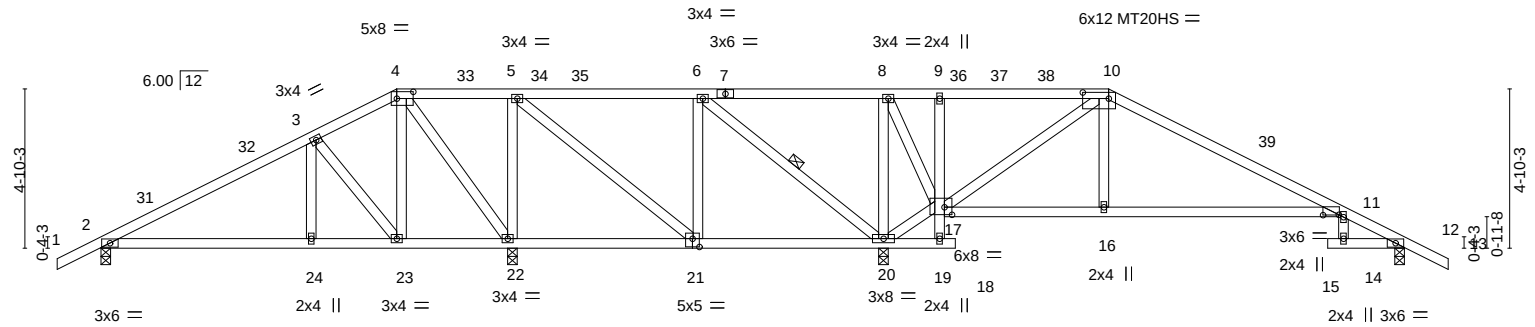


Plate Offsets (X,Y)--	[4:0-6-0,0-2-8], [10:0-9-8,0-2-4], [11:0-5-12,0-0-2], [17:0-2-12,0-2-12], [21:0-2-8,0-3-0]
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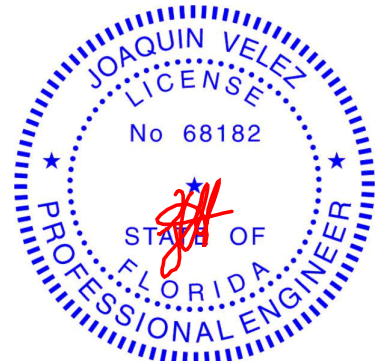
LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.79	Vert(LL)	-0.18 11-16	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.57	Vert(CT)	-0.40 11-16	>475	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.91	Horz(CT)	0.11 12	n/a	n/a		
BCDL 10.0	Code FBC2023/TP12014		Matrix-MS	Wind(LL)	0.12 11-16	>999	240	Weight: 219 lb	FT = 10%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
WEBS 2x4 SP No.2	6-0-0 oc bracing: 17-19
	WEBS 1 Row at midpt 6-20

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=99(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 22 except 20=-152(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 12 except 2=451(LC 23), 22=811(LC 23), 20=2111(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-401/97, 4-5=0/416, 5-6=-6/735, 6-8=-126/1654, 8-9=-145/1618, 9-10=-144/1612, 10-11=-74/609
BOT CHORD 2-24=-1/297, 23-24=-1/297, 21-22=-416/106, 20-21=-749/163, 16-17=-459/158, 11-16=-467/155
WEBS 3-23=-467/111, 4-23=-56/356, 4-22=-589/61, 5-22=-269/100, 5-21=-461/78, 6-21=0/436, 6-20=-1212/156, 8-20=-389/58, 17-20=-1817/334, 10-17=-1422/175, 10-16=0/315

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCCL=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 30-8-0, Zone2 30-8-0 to 34-10-15, Zone1 34-10-15 to 41-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 22 except (jt=lb) 20=152.



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

March 12,2026

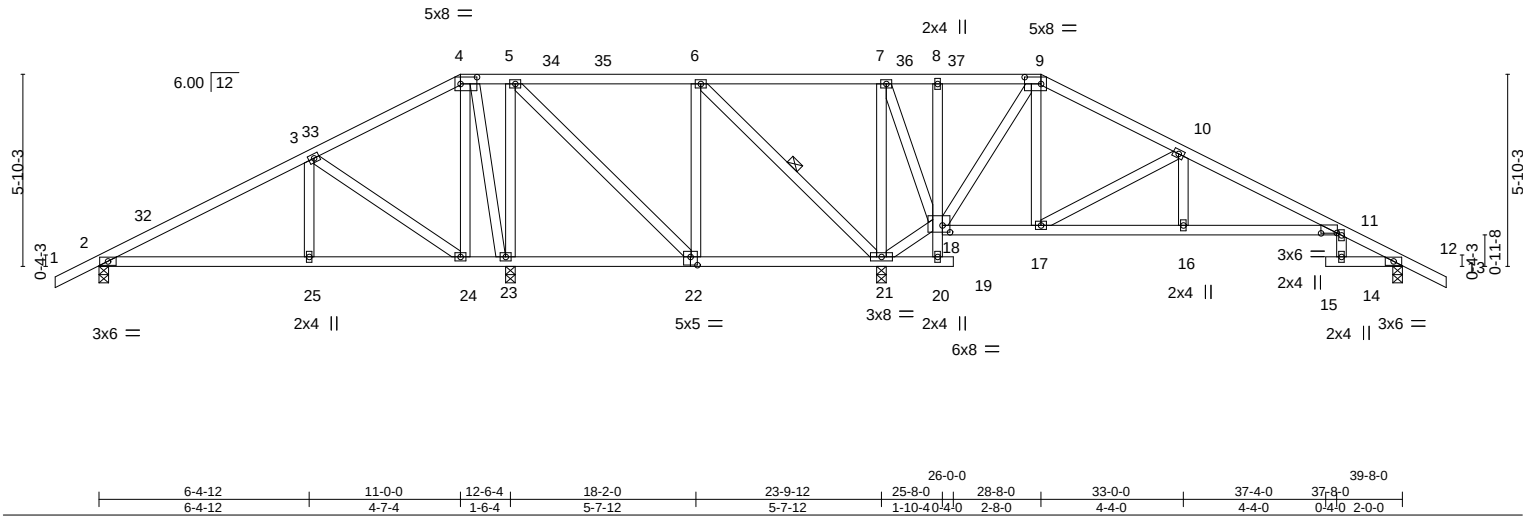
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425050
6260875	A03	Hip	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:37:43 2026 Page 1
ID:KL125CBHip6gPyIO3?ZYfywBHM-Xxr6z14Csj_drLNtKiBANfLNib4JsATIZhh6Wzc2N6

Scale = 1:70.1



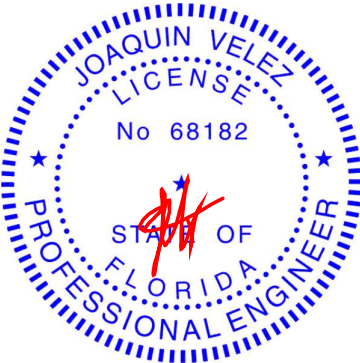
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.59	Vert(LL)	-0.08 11-16	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.36	Vert(CT)	-0.18 11-16	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.49	Horz(CT)	0.06 12	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS	Wind(LL)	0.05 11-16	>999	240	Weight: 244 lb	FT = 10%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
WEBS 2x4 SP No.2	6-0-0 oc bracing: 18-20
	WEBS 1 Row at midpt 6-21

REACTIONS.	All bearings 0-3-8.
(lb) - Max Horz 2=118(LC 11)	
Max Uplift	All uplift 100 lb or less at joint(s) 2, 12, 23 except 21=125(LC 12)
Max Grav	All reactions 250 lb or less at joint(s) except 2=433(LC 23), 12=289(LC 24), 23=895(LC 23), 21=1989(LC 24)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-366/95, 3-4=0/331, 4-5=0/383, 5-6=0/557, 6-7=-17/1221, 7-8=-23/1132, 8-9=-23/1127, 9-10=-4/705
BOT CHORD	2-25=-20/267, 24-25=-20/267, 23-24=-261/100, 22-23=-381/110, 21-22=-565/127, 17-18=-582/149
WEBS	3-25=0/265, 3-24=-554/122, 4-24=-37/292, 4-23=-517/58, 5-23=-304/86, 5-22=-309/43, 6-22=0/373, 6-21=-981/107, 7-21=-516/80, 18-21=-1327/235, 7-18=0/256, 9-18=-970/107, 9-17=-5/332, 10-17=-555/116

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 28-8-0, Zone2 28-8-0 to 33-0-0, Zone1 33-0-0 to 41-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 3x4 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 23 except (jt=lb) 21=125.



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

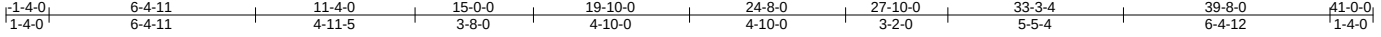
March 12,2026

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425052
6260875	A05	Hip	1	1		

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:37:45 2026 Page 1

ID:KL125CBHipj6qPyIO3?ZYfywBHM-UKzsOjnKKTzit9VI?kkfFoke?Y9ZniZmmtAoBOzc2N4



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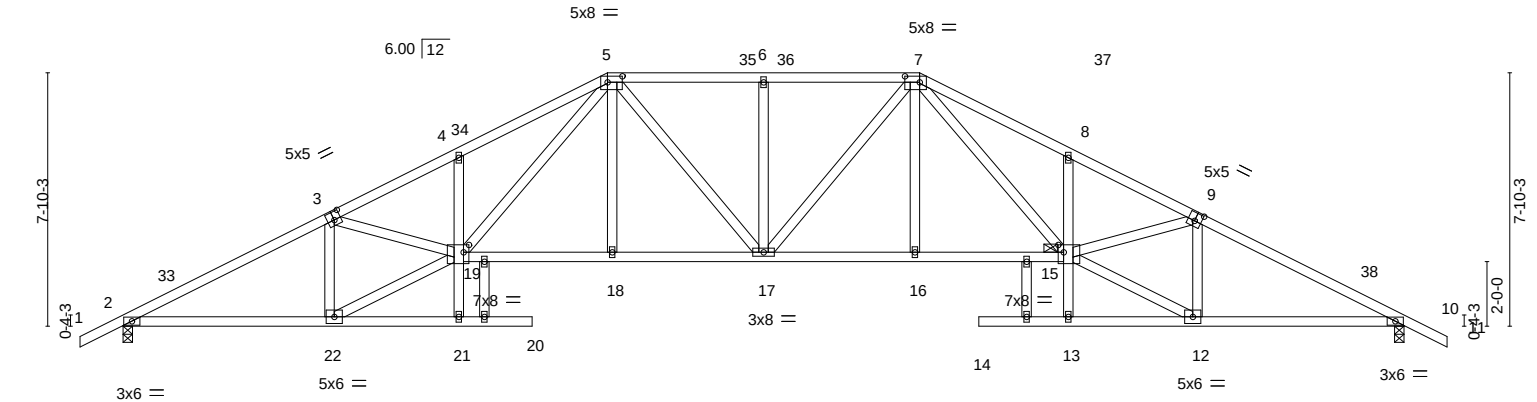


Plate Offsets (X,Y)--	[3:0-2-8,0-3-0], [5:0-5-8,0-2-4], [7:0-5-8,0-2-4], [9:0-2-8,0-3-0], [15:0-2-0,0-2-12], [19:0-2-0,0-2-12]
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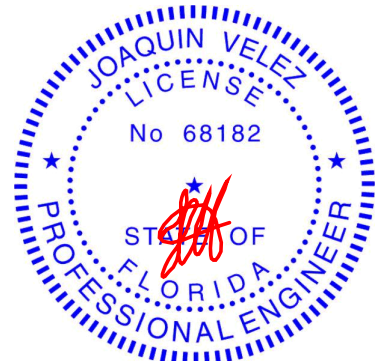
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.71	Vert(LL)	-0.36	14	>999	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.81	Vert(CT)	-0.82	14	>582		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.69	Horz(CT)	0.36	10	n/a		
BCDL 10.0	Code FBC2023/TP12014	Matrix-MS	Wind(LL)	0.24	14	>999		
							Weight: 252 lb	FT = 10%

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 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.2	10-0-0 oc bracing: 19-21, 13-15
	JOINTS 1 Brace at Jt(s): 15

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=156(LC 11)
Max Uplift 2=-161(LC 12), 10=-159(LC 12)
Max Grav 2=1715(LC 1), 10=1719(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3166/321, 3-4=-4419/406, 4-5=-4446/488, 5-6=-2953/366, 6-7=-2953/366,
7-8=-4468/482, 8-9=-4442/399, 9-10=-3174/318
BOT CHORD 2-22=-201/2765, 18-19=-94/2780, 17-18=-92/2784, 16-17=-98/2789, 15-16=-100/2786,
10-12=-208/2773
WEBS 3-22=-1259/145, 19-22=-209/3058, 3-19=-3/1153, 5-19=-192/1781, 5-17=-44/418,
6-17=-319/117, 7-17=-50/410, 7-15=-184/1802, 12-15=-209/3054, 9-15=-2/1184,
9-12=-1262/143

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 24-8-0, Zone2 24-8-0 to 28-10-15, Zone1 28-10-15 to 41-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=161, 10=159.



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

March 12,2026

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

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425055
6260875	A08	Roof Special	5	1	Job Reference (optional)	

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

Ocala, FL - 34472,

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:37:58 2026 Page 1

ID:KL125CBHjp6qPyIO3?ZYfywBHM-bqFn69xUgTcsw9?FFzTiHYnw2obbKbjglPp_78zc2Mt

1-4-0

6-4-12

10-6-8

12-8-0

14-4-13

19-10-0

25-3-4

26-6-0

33-3-4

39-8-0

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4-1-12

2-1-8

1-8-13

5-5-3

5-5-4

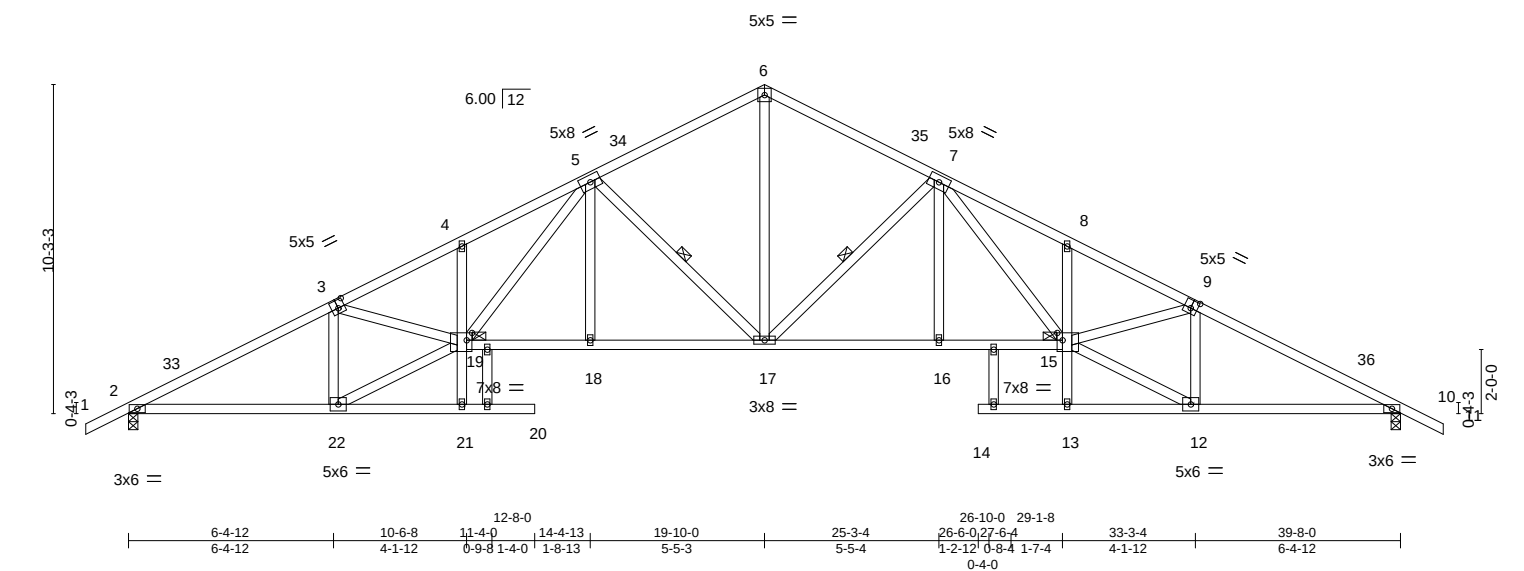
1-2-12

6-9-4

6-4-12

1-4-0

Scale = 1:71.9



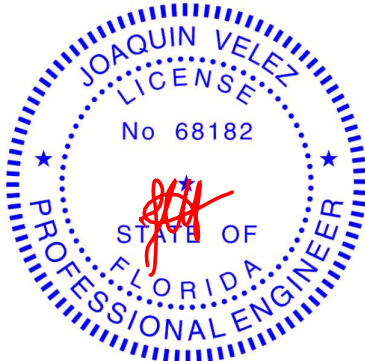
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.36	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.82				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.37				
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.24			Weight: 255 lb	FT = 10%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-5-11 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS	2x4 SP No.2	WEBS	10-0-0 oc bracing: 19-21, 13-15
		JOINTS	1 Row at midpt 5-17, 7-17
			1 Brace at Jt(s): 19, 15

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=202(LC 11)
Max Uplift 2=-161(LC 12), 10=-159(LC 12)
Max Grav 2=1715(LC 1), 10=1719(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3167/324, 3-4=-4413/401, 4-5=-4387/454, 5-6=-2383/334, 6-7=-2383/329,
7-8=-4408/431, 8-9=-4435/385, 9-10=-3174/320
BOT CHORD 2-22=-191/2767, 18-19=-108/2914, 17-18=-108/2914, 16-17=-125/2921, 15-16=-125/2921,
10-12=-202/2772
WEBS 3-22=-1260/144, 19-22=-203/3060, 3-19=0/1142, 5-19=-132/1623, 5-17=-1182/174,
6-17=-150/1755, 7-17=-1192/171, 7-15=-114/1642, 12-15=-211/3078, 9-15=0/1155,
9-12=-1273/144

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 19-10-0, Zone2 19-10-0 to 24-0-15, Zone1 24-0-15 to 41-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=161, 10=159.



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

March 12,2026

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

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

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425056
6260875	A09	Roof Special	7	1		

Tibbetts Lumber Co., LLC (Ocala, FL),		Ocala, FL - 34472,		8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:37:59 2026 Page 1				
				ID:KL125CBHijp6qPyIO3?ZYfywBHM-30p9KVx6RmkjYIZSph_xplK1qCx_329q_3ZYfazc2Ms				
1-4-0	6-4-12	14-4-13	19-10-0	25-3-4	31-4-8	35-1-1	39-8-0	41-0-0
1-4-0	6-4-12	8-0-1	5-5-3	5-5-4	6-1-4	3-8-9	4-6-15	1-4-0

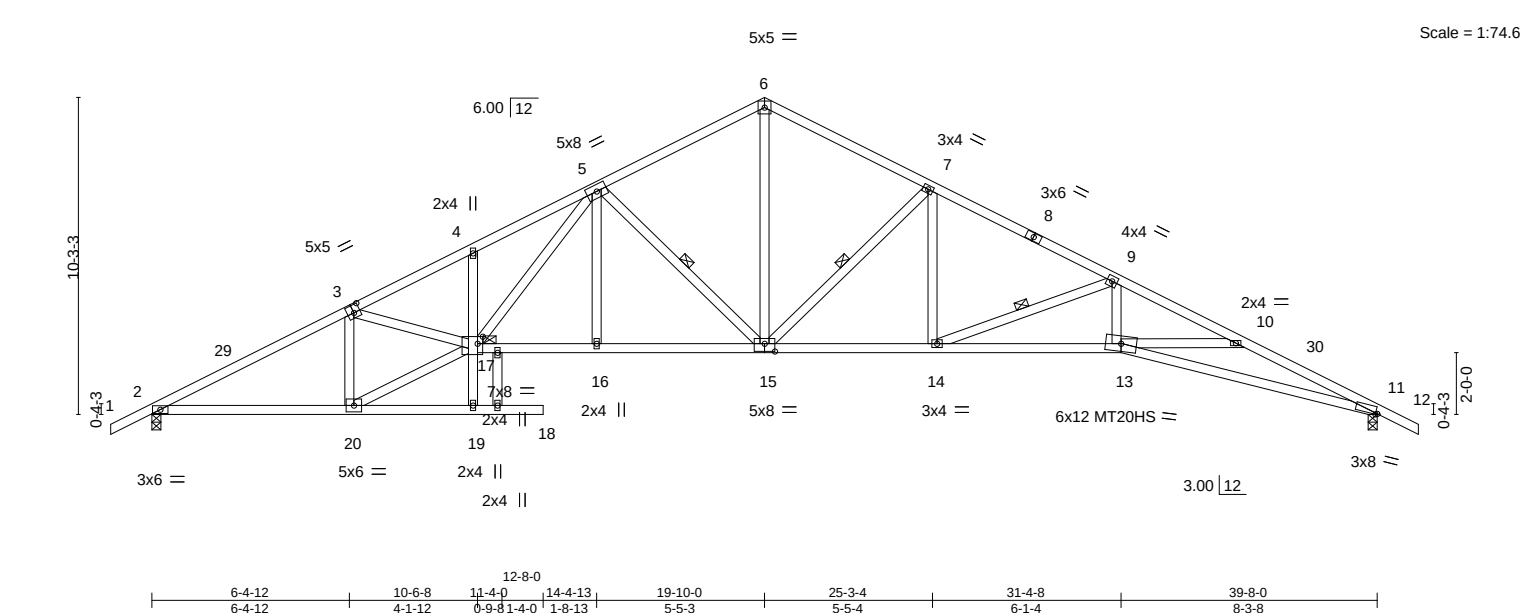


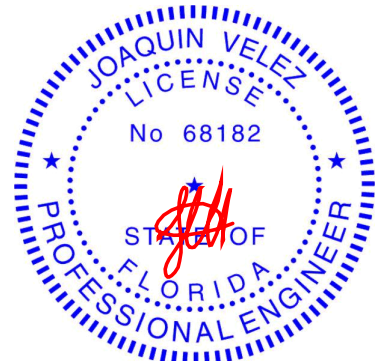
Plate Offsets (X,Y)--		[3:0-2-8,0-3-0], [11:0-0-11,0-0-6], [15:0-4-0,0-3-0], [17:0-2-0,0-2-12]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.81	Vert(LL)	-0.42 13-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.80	Vert(CT)	-0.86 13-14	>551	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.68	Horz(CT)	0.49 11	n/a	n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS	Wind(LL)	0.28 13-14	>999	240	Weight: 234 lb	FT = 10%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 1-11-5 oc purlins.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	11-13,13-15: 2x4 SP M 31 or 2x4 SP SS		8-9-6 oc bracing: 11-13.
	2x4 SP No.2		10-0-0 oc bracing: 17-19
		WEBS	1 Row at midpt 5-15, 7-15, 9-14
		JOINTS	1 Brace at Jt(s): 17

REACTIONS.	(size) 2=0-3-8, 11=0-3-8
	Max Horz 2=-224(LC 10)
	Max Uplift 2=-171(LC 12), 11=-182(LC 12)
	Max Grav 2=1699(LC 1), 11=1680(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-3131/376, 3-4=-4355/467, 4-5=-4328/519, 5-6=-2337/381, 6-7=-2339/378, 7-9=-3264/429, 9-10=-5419/608, 10-11=-5651/687
BOT CHORD	2-20=-230/2735, 16-17=-158/2869, 15-16=-158/2869, 14-15=-198/2851, 13-14=-432/4741, 11-13=-574/5140
WEBS	3-20=-1244/161, 17-20=-246/3024, 3-17=-9/1121, 5-17=-148/1610, 5-15=-1178/196, 6-15=-194/1722, 7-15=-1153/222, 7-14=-19/848, 9-14=-2022/251, 9-13=-60/1356

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 19-10-0, Zone2 19-10-0 to 25-3-4, Zone1 25-3-4 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=171, 11=182.



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

March 12,2026

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425057
6260875	A10	Roof Special	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:37:59 2026 Page 1
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1-4-0

6-4-12

14-4-11

19-10-0

25-3-4

31-1-8

33-3-4

39-8-0

41-0-0

1-4-0

6-4-12

8-0-0

5-5-5

5-5-4

5-10-4

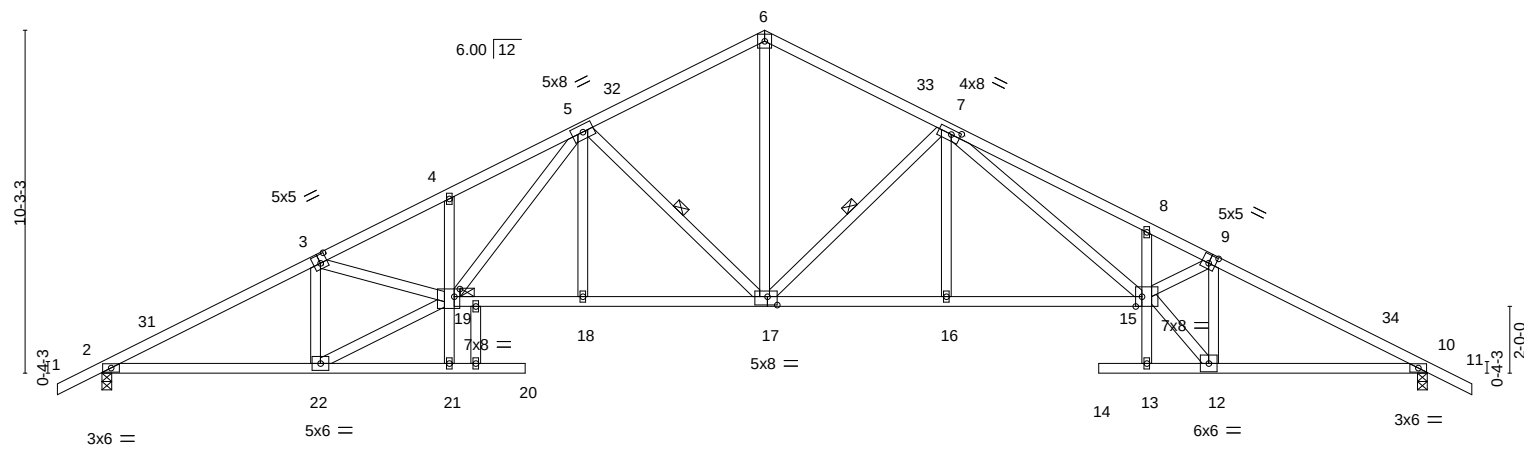
2-1-12

6-4-12

1-4-0

5x5 =

Scale = 1:69.0



	6-4-12	10-6-8	11-4-0	14-4-11	19-10-0	25-3-4	29-10-0	31-1-8	33-3-4	39-8-0	
	6-4-12	4-1-12	0-9-8	1-4-0	1-8-11	5-5-5	4-6-12	1-3-8	2-1-12	6-4-12	
Plate Offsets (X,Y)--	[3:0-2-8,0-3-0], [7:0-3-5,0-1-12], [9:0-2-8,0-3-0], [15:0-2-4,Edge], [17:0-3-8,0-3-0], [19:0-2-0,0-2-12]										

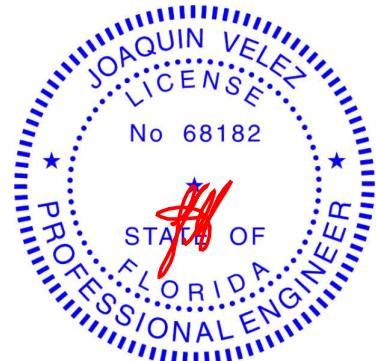
LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.97	Vert(LL)	-0.42	14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.81	Vert(CT)	-0.86	14	>551	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.86	Horz(CT)	0.44	10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL)	0.28	14	>999	240	Weight: 246 lb	FT = 10%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.2	10-0-0 oc bracing: 19-21, 13-15
	WEBS 1 Row at midpt 5-17, 7-17
	JOINTS 1 Brace at Jt(s): 19

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=202(LC 11)
Max Uplift 2=-167(LC 12), 10=-169(LC 12)
Max Grav 2=1705(LC 1), 10=1702(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3146/337, 3-4=-4378/422, 4-5=-4350/474, 5-6=-2344/350, 6-7=-2370/349,
7-8=-5445/588, 8-9=-5354/518, 9-10=-3139/341
BOT CHORD 2-22=-203/2747, 18-19=-125/2889, 17-18=-125/2889, 16-17=-156/2893, 15-16=-156/2893,
10-12=-221/2739
WEBS 3-22=-1251/150, 19-22=-216/3038, 3-19=0/1129, 5-19=-136/1611, 5-17=-1189/176,
6-17=-170/1745, 7-17=-1186/193, 7-16=0/259, 7-15=-246/2543, 12-15=-290/3829,
9-15=-122/2312, 9-12=-2615/254

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 19-10-0, Zone2 19-10-0 to 24-0-15, Zone1 24-0-15 to 41-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=167, 10=169.



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

March 12,2026

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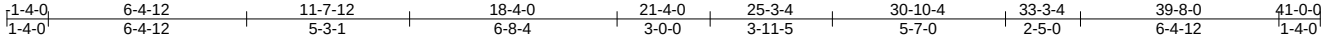
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425058
6260875	A11	Hip	1	1		

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:00 2026 Page 1

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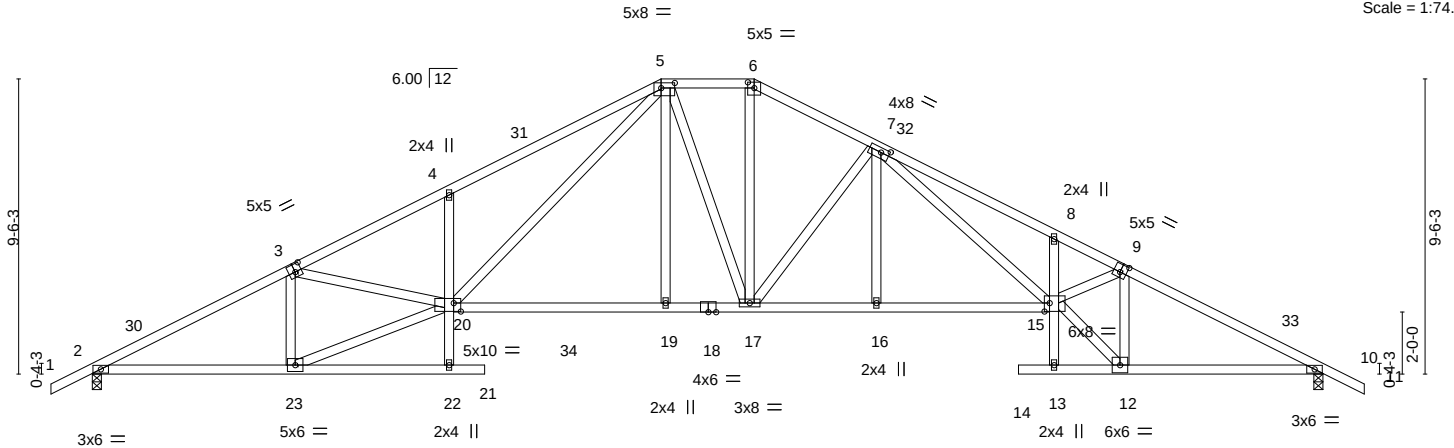


Plate Offsets (X,Y)--	[3:0-2-8,0-3-0], [5:0-5-4,0-2-0], [6:0-2-8,0-2-4], [7:0-3-5,0-1-12], [9:0-2-8,0-3-0], [15:0-2-0,0-3-4], [20:0-2-12,0-3-4]
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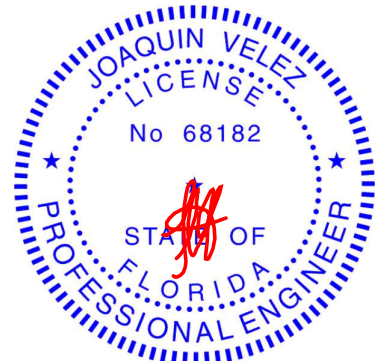
LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.93	Vert(LL)	-0.44 19-20	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.92	Vert(CT)	-0.83 19-20	>576	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.97	Horz(CT)	0.42 10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL)	0.25 14	>999	240	Weight: 251 lb	FT = 10%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 3-5: 2x4 SP M 31 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.2	2-2-0 oc bracing: 15-16,10-12.
	10-0-0 oc bracing: 20-22, 13-15

REACTIONS.	(size) 2=0-3-8, 10=0-3-8
Max Horz 2=188(LC 11)	
Max Uplift 2=177(LC 12), 10=175(LC 12)	
Max Grav 2=1876(LC 17), 10=1875(LC 18)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-3466/345, 3-4=-4486/432, 4-5=-4583/548, 5-6=-2428/351, 6-7=-2753/368, 7-8=-5779/600, 8-9=-5702/527, 9-10=-3459/343
BOT CHORD	2-23=-223/3174, 4-20=-392/191, 19-20=-54/2563, 17-19=-52/2569, 16-17=-161/3163, 15-16=-161/3163, 10-12=-231/3026
WEBS	3-23=-1011/147, 20-23=-228/3367, 3-20=0/896, 5-20=-267/2247, 5-19=0/344, 5-17=-266/134, 6-17=-111/1108, 7-17=-1287/169, 7-16=0/253, 7-15=-254/2684, 12-15=-287/3991, 9-15=-116/2252, 9-12=-2458/241

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 18-4-0, Zone3 18-4-0 to 21-4-0, Zone2 21-4-0 to 25-6-15, Zone1 25-6-15 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=177, 10=175.



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

March 12,2026

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425061
6260875	A14	ROOF SPECIAL	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,			8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:03 2026 Page 1			
			ID:KL125CBHipj6qPyIO3?ZYfywBHM-yn3gAt?cU?E81wtD2W3t_bUiVpG8?neQvgXloLzc2Mo			
1-4-0 6-4-12 11-7-12 12-4-0 16-0-1 20-0-0 23-8-0 31-4-8 35-1-1 39-8-0 41-0-0			1-4-0 6-4-12 5-3-1 0-8-4 3-8-1 3-11-15 3-8-0 7-8-8 3-8-9 4-6-15 1-4-0			

Scale = 1:71.2

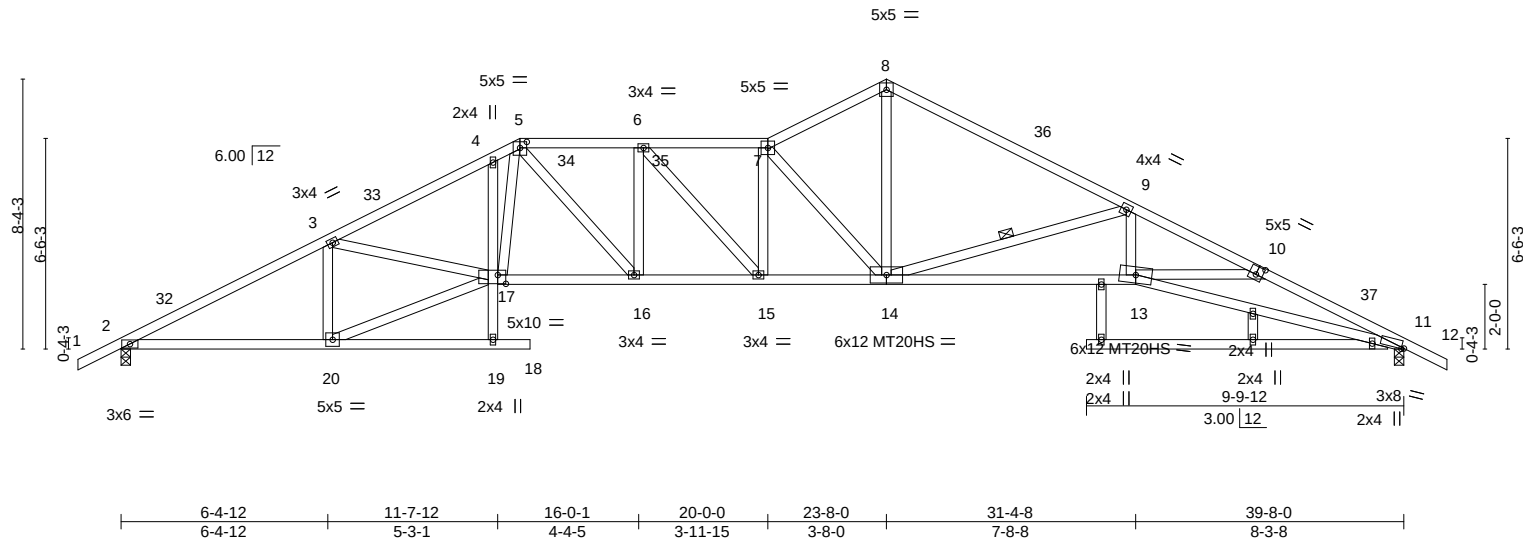


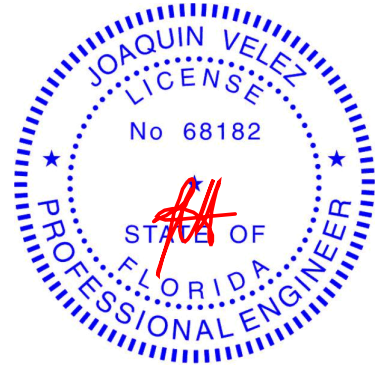
Plate Offsets (X,Y)--		[5:0-2-8,0-2-4], [10:0-2-8,0-3-0], [11:0-0-15,0-0-6], [17:0-3-0,0-3-4]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.81
TCDL 10.0	Lumber DOL	1.25	BC 0.98
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.97
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS
DEFL.	in (loc)	l/defl	L/d
Vert(LL)	-0.44	14-15	>999
Vert(CT)	-0.95	13-14	>503
Horz(CT)	0.51	11	n/a
Wind(LL)	0.29	15	>999
PLATES	GRIP		
MT20	244/190		
MT20HS	187/143		
Weight: 246 lb	FT = 10%		

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied.
8-10: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
BOT CHORD 2x4 SP No.2 *Except*	2-2-0 oc bracing: 14-15
11-13,13-14: 2x4 SP M 31 or 2x4 SP SS	9-0-4 oc bracing: 13-14.
WEBS 2x4 SP No.2	10-0-0 oc bracing: 17-19
	1 Row at midpt
REACTIONS.	
(size) 2=0-3-8, 11=0-3-8	
Max Horz 2=-165(LC 10)	
Max Uplift 2=-181(LC 12), 11=-186(LC 12)	
Max Grav 2=1683(LC 1), 11=1674(LC 1)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-3106/424, 3-4=-3937/538, 4-5=-3886/600, 5-6=-3642/561, 6-7=-3738/577, 7-8=-2879/470, 8-9=-2968/440, 9-10=-5433/720, 10-11=-5593/738
BOT CHORD	2-20=-308/2714, 16-17=-272/3227, 15-16=-342/3642, 14-15=-361/3741, 13-14=-544/4772, 11-13=-616/5082
WEBS	3-20=-916/186, 17-20=-328/2849, 3-17=-22/757, 5-17=-213/1174, 5-16=-109/633, 7-14=-1804/298, 8-14=-239/2188, 9-14=-2310/382, 9-13=-60/1359, 6-16=-360/138

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 12-4-0, Zone2 12-4-0 to 16-6-15, Zone1 16-6-15 to 23-8-0, Zone2 23-8-0 to 27-10-15, Zone1 27-10-15 to 41-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=181, 11=186.



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

March 12,2026

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Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425062
6260875	A15	Roof Special	1	1	Job Reference (optional)	

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

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ID:KL125CBHij6qPyIO3?ZYfywBHM-Q_c2ND?FFJN?f4SPcEa6Wp1vbDcakFUZ7KGILozc2Mn

1-4-0	6-4-12	11-0-0	11-7-12	18-8-0	20-11-10	23-8-0	28-9-13	33-11-11	39-8-0	41-0-0
1-4-0	6-4-12	4-7-4	0-7-12	7-0-4	2-3-10	2-8-6	5-1-13	5-1-13	5-8-5	1-4-0

Scale = 1:72.8

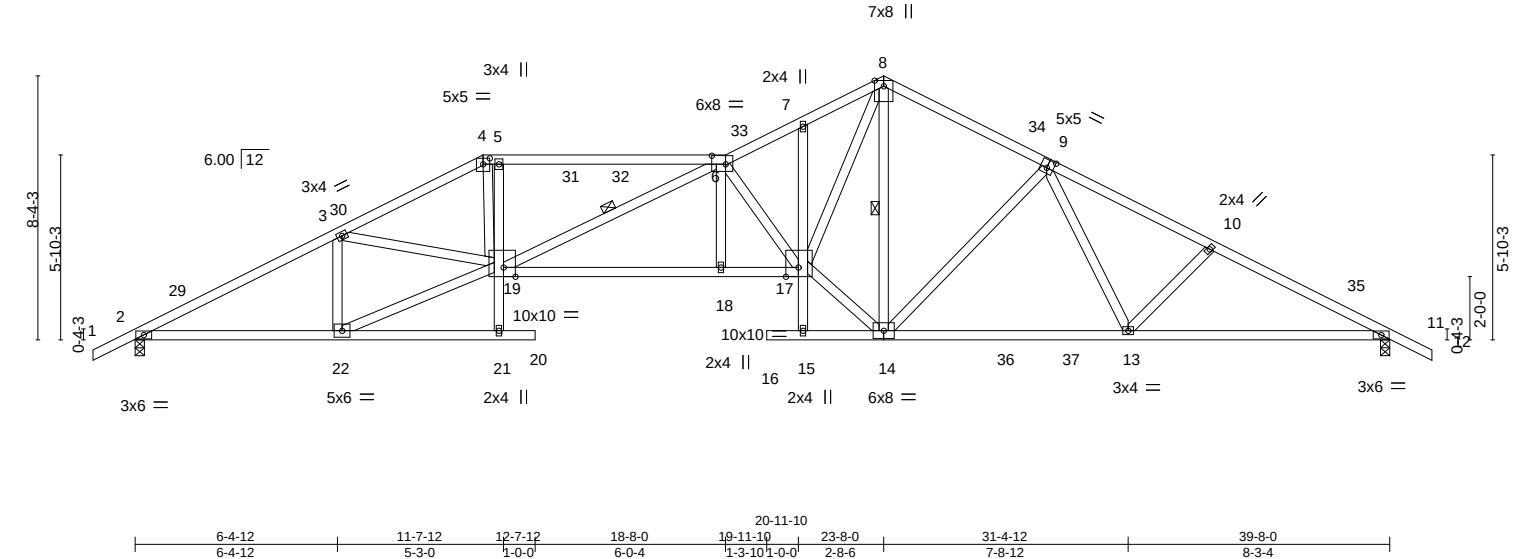


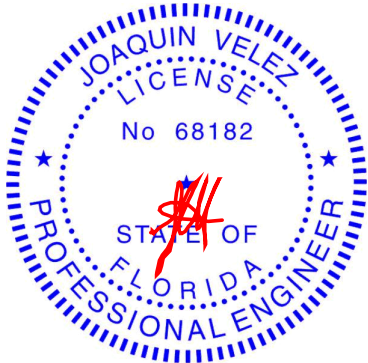
Plate Offsets (X,Y)--		[4:0-2-8,0-2-4], [6:0-5-4,0-3-4], [9:0-2-8,0-3-0], [17:0-4-12,Edge], [19:0-4-8,Edge]										
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.44	16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.84	18-19	>568	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.35	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.24	16	>999	240	Weight: 245 lb	FT = 10%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
4-6: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
BOT CHORD 2x4 SP No.2 *Except*	10-0-0 oc bracing: 19-21, 15-17
17-19,11-14: 2x4 SP M 31 or 2x4 SP SS	WEBS 1 Row at midpt 6-19, 8-14
WEBS 2x4 SP No.2	

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=165(LC 11)
Max Uplift 2=174(LC 12), 11=179(LC 12)
Max Grav 2=1864(LC 17), 11=1862(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3440/416, 3-4=-4413/515, 4-5=-4163/529, 5-6=-4231/537, 6-7=-4129/541,
7-8=-4078/563, 8-9=-2447/391, 9-10=-3225/405, 10-11=-3416/421
BOT CHORD 2-22=-308/3135, 5-19=-446/278, 18-19=-414/5084, 17-18=-417/5074, 13-14=-229/2564,
11-13=-306/3013
WEBS 3-22=-984/183, 3-19=-14/867, 4-19=-337/1925, 6-19=-987/85, 6-18=0/276,
6-17=-2352/280, 14-17=-131/2653, 8-17=-391/3973, 8-14=-1007/36, 9-14=-690/166,
9-13=0/597, 10-13=-306/125, 19-22=-317/3291

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 23-8-0, Zone2 23-8-0 to 27-10-15, Zone1 27-10-15 to 41-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=174, 11=179.



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

March 12,2026

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Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425064
6260875	A17AGR	ROOF SPECIAL GIRDER	1	3	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:06 2026 Page 2
ID:KL125CBHjp6qPyIO3?ZYfywBHM-MMkooU1VnwdjuNcojcabE6IPOM3CEdsbelPPgzC2MI

NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 296 lb down and 189 lb up at 7-0-0, and 161 lb down and 89 lb up at 9-0-12, and 161 lb down and 89 lb up at 11-0-12 on top chord, and 351 lb down at 7-0-0, 89 lb down at 9-0-12, and 89 lb down at 11-0-12, and 1919 lb down at 11-10-0 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, 4-6=-60, 6-9=-60, 9-13=-60, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Concentrated Loads (lb)
Vert: 4=-199(F) 24=-1919(F) 25=-351(F) 32=-121(F) 33=-121(F) 35=-69(F) 36=-69(F)
- 2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-6=-50, 6-9=-50, 9-13=-50, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Concentrated Loads (lb)
Vert: 4=-169(F) 24=-1702(F) 25=-316(F) 32=-103(F) 33=-103(F) 35=-64(F) 36=-64(F)
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-20, 6-9=-20, 9-13=-20, 2-24=-40, 23-24=-40, 19-22=-40, 17-18=-40, 15-17=-40, 14-15=-80, 14-29=-40
Concentrated Loads (lb)
Vert: 4=-92(F) 24=-1512(F) 25=-350(F) 32=-57(F) 33=-57(F) 35=-89(F) 36=-89(F)
- 4) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=19, 2-4=5, 4-34=18, 6-34=11, 6-9=5, 9-12=12, 12-13=7, 2-24=-12, 23-24=-12, 19-22=-12, 17-18=-12, 15-17=-12, 14-15=-52, 14-29=-12
Horz: 1-2=-28, 2-4=-13, 5-34=-26, 6-34=-19, 6-9=-13, 9-12=20, 12-13=15
Drag: 4-5=0
Concentrated Loads (lb)
Vert: 4=104(F) 24=-613(F) 25=-113(F) 32=50(F) 33=50(F) 35=-28(F) 36=-28(F)
- 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=7, 2-4=12, 4-33=7, 6-33=11, 6-9=12, 9-12=5, 12-13=19, 2-24=-12, 23-24=-12, 19-22=-12, 17-18=-12, 15-17=-12, 14-15=-52, 14-29=-12
Horz: 1-2=-15, 2-4=-20, 5-6=-19, 6-9=-20, 9-12=13, 12-13=28
Drag: 4-33=0, 5-33=0
Concentrated Loads (lb)
Vert: 4=110(F) 24=-613(F) 25=-113(F) 32=61(F) 33=59(F) 35=-28(F) 36=-28(F)
- 6) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-4=-29, 4-6=-21, 6-9=-29, 9-12=-10, 12-13=-5, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=-4, 2-4=9, 5-6=1, 6-9=9, 9-12=10, 12-13=15
Concentrated Loads (lb)
Vert: 4=189(F) 24=-605(F) 25=-93(F) 32=89(F) 33=89(F) 35=-20(F) 36=-20(F)
- 7) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-4=-10, 4-6=-21, 6-9=-10, 9-12=-29, 12-13=-24, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=-15, 2-4=-10, 5-6=1, 6-9=-10, 9-12=-9, 12-13=-4
Concentrated Loads (lb)
Vert: 4=167(F) 24=-605(F) 25=-93(F) 32=89(F) 33=89(F) 35=-20(F) 36=-20(F)
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=34, 2-4=19, 4-6=19, 6-9=19, 9-12=19, 12-13=34, 2-24=-12, 23-24=-12, 19-22=-12, 17-18=-12, 15-17=-12, 14-15=-52, 14-29=-12
Horz: 1-2=-42, 2-4=-28, 5-6=-28, 6-9=-28, 9-12=28, 12-13=42
Drag: 4-5=0
Concentrated Loads (lb)
Vert: 4=85(F) 24=-613(F) 25=-113(F) 32=49(F) 33=49(F) 35=-28(F) 36=-28(F)
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=19, 2-4=4, 4-6=4, 6-9=4, 9-12=4, 12-13=19, 2-24=-12, 23-24=-12, 19-22=-12, 17-18=-12, 15-17=-12, 14-15=-52, 14-29=-12
Horz: 1-2=-27, 2-4=-13, 5-6=-13, 6-9=-13, 9-12=13, 12-13=27
Drag: 4-5=0
Concentrated Loads (lb)
Vert: 4=121(F) 24=-613(F) 25=-113(F) 32=64(F) 33=64(F) 35=-28(F) 36=-28(F)
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-9=-21, 9-12=-21, 12-13=-16, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=20
Horz: 1-2=-4, 2-4=1, 5-6=1, 6-9=1, 9-12=-1, 12-13=4
Concentrated Loads (lb)
Vert: 4=179(F) 24=-605(F) 25=-93(F) 32=89(F) 33=89(F) 35=-20(F) 36=-20(F)
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-9=-21, 9-12=-21, 12-13=-16, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=20
Horz: 1-2=-4, 2-4=1, 5-6=1, 6-9=1, 9-12=-1, 12-13=4
Concentrated Loads (lb)
Vert: 4=179(F) 24=-605(F) 25=-93(F) 32=89(F) 33=89(F) 35=-20(F) 36=-20(F)

Continued on page 3

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314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425064
6260875	A17AGR	ROOF SPECIAL GIRDER	1	3	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:06 2026 Page 3
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LOAD CASE(S) Standard

- 12) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-20, 6-9=-20, 9-13=-20, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Concentrated Loads (lb)
Vert: 4=-76(F) 24=-1050(F) 25=-211(F) 32=-47(F) 33=-47(F) 35=-49(F) 36=-49(F)
- 13) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-4=-57, 4-6=-51, 6-9=-57, 9-12=-43, 12-13=-39, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=3, 2-4=7, 5-6=1, 6-9=7, 9-12=7, 12-13=11
Concentrated Loads (lb)
Vert: 4=140(F) 24=-605(F) 25=-93(F) 32=64(F) 33=64(F) 35=-20(F) 36=-20(F)
- 14) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-39, 2-4=-43, 4-6=-51, 6-9=-43, 9-12=-57, 12-13=-53, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=-11, 2-4=-7, 5-6=1, 6-9=-7, 9-12=-7, 12-13=-3
Concentrated Loads (lb)
Vert: 4=123(F) 24=-605(F) 25=-93(F) 32=64(F) 33=64(F) 35=-20(F) 36=-20(F)
- 15) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 6-9=-51, 9-12=-51, 12-13=-47, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=-3, 2-4=1, 5-6=1, 6-9=1, 9-12=-1, 12-13=3
Concentrated Loads (lb)
Vert: 4=132(F) 24=-605(F) 25=-93(F) 32=64(F) 33=64(F) 35=-20(F) 36=-20(F)
- 16) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 6-9=-51, 9-12=-51, 12-13=-47, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=-3, 2-4=1, 5-6=1, 6-9=1, 9-12=-1, 12-13=3
Concentrated Loads (lb)
Vert: 4=132(F) 24=-605(F) 25=-93(F) 32=64(F) 33=64(F) 35=-20(F) 36=-20(F)
- 17) Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-8, 2-4=-12, 4-6=-8, 6-9=-12, 9-13=-8, 2-24=-12, 23-24=-12, 19-22=-12, 17-18=-12, 15-17=-12, 14-15=-52, 14-29=-12
Horz: 2-4=4, 6-9=4
Concentrated Loads (lb)
Vert: 4=120(F) 24=-613(F) 25=-113(F) 32=57(F) 33=57(F) 35=-28(F) 36=-28(F)
- 18) Dead + 0.6 MWFRS Wind Min. Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-8, 4-6=-8, 6-9=-8, 9-12=-12, 12-13=-8, 2-24=-12, 23-24=-12, 19-22=-12, 17-18=-12, 15-17=-12, 14-15=-52, 14-29=-12
Horz: 9-12=-4
Concentrated Loads (lb)
Vert: 4=116(F) 24=-613(F) 25=-113(F) 32=57(F) 33=57(F) 35=-28(F) 36=-28(F)
- 19) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 6-9=-60, 9-13=-20, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Concentrated Loads (lb)
Vert: 4=-199(F) 24=-1919(F) 25=-351(F) 32=-121(F) 33=-121(F) 35=-69(F) 36=-69(F)
- 20) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-20, 6-9=-20, 9-13=-60, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Concentrated Loads (lb)
Vert: 4=-296(F) 24=-1919(F) 25=-351(F) 32=-161(F) 33=-161(F) 35=-69(F) 36=-69(F)
- 21) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-6=-50, 6-9=-50, 9-13=-20, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Concentrated Loads (lb)
Vert: 4=-169(F) 24=-1702(F) 25=-316(F) 32=-103(F) 33=-103(F) 35=-64(F) 36=-64(F)
- 22) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-20, 6-9=-20, 9-13=-50, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Concentrated Loads (lb)
Vert: 4=-241(F) 24=-1702(F) 25=-316(F) 32=-133(F) 33=-133(F) 35=-64(F) 36=-64(F)
- 23) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=19, 2-4=5, 4-34=18, 6-34=11, 6-9=5, 9-12=12, 12-13=7, 2-24=-12, 23-24=-12, 19-22=-12, 17-18=-12, 15-17=-12, 14-15=-52, 14-29=12
Horz: 1-2=-28, 2-4=-13, 5-34=-26, 6-34=-19, 6-9=-13, 9-12=20, 12-13=15
Drag: 4-5=0
Concentrated Loads (lb)
Vert: 4=-213(F) 24=-1134(F) 25=-295(F) 32=-119(F) 33=-119(F) 35=-63(F) 36=-63(F)
- 24) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 4

 **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.sbcscomponents.com)

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425064
6260875	A17AGR	ROOF SPECIAL GIRDER	1	3	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:06 2026 Page 4
ID:KL125CBHipj6qPyIO3?ZYfywBHM-MMkooou1VnwdjuNcojfcabE6IPOM3CEdsbelPPgzcz2MI

LOAD CASE(S) Standard

- Uniform Loads (plf)
Vert: 1-2=7, 2-4=12, 4-33=7, 6-33=11, 6-9=12, 9-12=5, 12-13=19, 2-24=-12, 23-24=-12, 19-22=-12, 17-18=-12, 15-17=-12, 14-15=-52, 14-29=-12
Horz: 1-2=-15, 2-4=-20, 5-6=-19, 6-9=-20, 9-12=13, 12-13=28
Drag: 4-33=0, 5-33=0
- Concentrated Loads (lb)
Vert: 4=-208(F) 24=-1134(F) 25=-295(F) 32=-108(F) 33=-110(F) 35=-63(F) 36=-63(F)
- 25) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=-24, 2-4=-29, 4-6=-21, 6-9=-29, 9-12=-10, 12-13=-5, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=4, 2-4=9, 5-6=1, 6-9=9, 9-12=10, 12-13=15
- Concentrated Loads (lb)
Vert: 4=-125(F) 24=-1126(F) 25=-276(F) 32=-80(F) 33=-80(F) 35=-55(F) 36=-55(F)
- 26) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=-5, 2-4=-10, 4-6=-21, 6-9=-10, 9-12=-29, 12-13=-24, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=-15, 2-4=-10, 5-6=1, 6-9=-10, 9-12=-9, 12-13=-4
- Concentrated Loads (lb)
Vert: 4=-148(F) 24=-1126(F) 25=-276(F) 32=-80(F) 33=-80(F) 35=-55(F) 36=-55(F)
- 27) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=34, 2-4=19, 4-6=19, 6-9=19, 9-12=19, 12-13=34, 2-24=-12, 23-24=-12, 19-22=-12, 17-18=-12, 15-17=-12, 14-15=-52, 14-29=-12
Horz: 1-2=-42, 2-4=-28, 5-6=-28, 6-9=-28, 9-12=28, 12-13=42
Drag: 4-5=0
- Concentrated Loads (lb)
Vert: 4=-232(F) 24=-1134(F) 25=-295(F) 32=-120(F) 33=-120(F) 35=-63(F) 36=-63(F)
- 28) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=19, 2-4=4, 4-6=4, 6-9=4, 9-12=4, 12-13=19, 2-24=-12, 23-24=-12, 19-22=-12, 17-18=-12, 15-17=-12, 14-15=-52, 14-29=-12
Horz: 1-2=-27, 2-4=-13, 5-6=-13, 6-9=-13, 9-12=13, 12-13=27
Drag: 4-5=0
- Concentrated Loads (lb)
Vert: 4=-196(F) 24=-1134(F) 25=-295(F) 32=-105(F) 33=-105(F) 35=-63(F) 36=-63(F)
- 29) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-9=-21, 9-12=-21, 12-13=-16, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=-4, 2-4=1, 5-6=1, 6-9=1, 9-12=-1, 12-13=4
- Concentrated Loads (lb)
Vert: 4=-135(F) 24=-1126(F) 25=-276(F) 32=-80(F) 33=-80(F) 35=-55(F) 36=-55(F)
- 30) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-9=-21, 9-12=-21, 12-13=-16, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=-4, 2-4=1, 5-6=1, 6-9=1, 9-12=-1, 12-13=4
- Concentrated Loads (lb)
Vert: 4=-135(F) 24=-1126(F) 25=-276(F) 32=-80(F) 33=-80(F) 35=-55(F) 36=-55(F)
- 31) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=-53, 2-4=-57, 4-6=-51, 6-9=-57, 9-12=-43, 12-13=-39, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=3, 2-4=7, 5-6=1, 6-9=7, 9-12=7, 12-13=11
- Concentrated Loads (lb)
Vert: 4=-156(F) 24=-1484(F) 25=-328(F) 32=-106(F) 33=-106(F) 35=-65(F) 36=-65(F)
- 32) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=-39, 2-4=-43, 4-6=-51, 6-9=-43, 9-12=-57, 12-13=-53, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=-11, 2-4=-7, 5-6=1, 6-9=-7, 9-12=-7, 12-13=-3
- Concentrated Loads (lb)
Vert: 4=-173(F) 24=-1484(F) 25=-328(F) 32=-106(F) 33=-106(F) 35=-65(F) 36=-65(F)
- 33) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 6-9=-51, 9-12=-51, 12-13=-47, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=-3, 2-4=1, 5-6=1, 6-9=1, 9-12=-1, 12-13=3
- Concentrated Loads (lb)
Vert: 4=-163(F) 24=-1484(F) 25=-328(F) 32=-106(F) 33=-106(F) 35=-65(F) 36=-65(F)
- 34) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 6-9=-51, 9-12=-51, 12-13=-47, 2-24=-20, 23-24=-20, 19-22=-20, 17-18=-20, 15-17=-20, 14-15=-60, 14-29=-20
Horz: 1-2=-3, 2-4=1, 5-6=1, 6-9=1, 9-12=-1, 12-13=3
- Concentrated Loads (lb)
Vert: 4=-163(F) 24=-1484(F) 25=-328(F) 32=-106(F) 33=-106(F) 35=-65(F) 36=-65(F)
- 35) Reversal: Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 5

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

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425064
6260875	A17AGR	ROOF SPECIAL GIRDER	1	3	Job Reference (optional)	

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=-8, 2-4=-12, 4-6=-8, 6-9=-12, 9-13=-8, 2-24=-12, 23-24=-12, 19-22=-12, 17-18=-12, 15-17=-12, 14-15=-52, 14-29=-12

Horz: 2-4=4, 6-9=4

Concentrated Loads (lb)

Vert: 4=-125(F) 24=-1021(F) 25=-264(F) 32=-73(F) 33=-73(F) 35=-60(F) 36=-60(F)

36) Reversal: Dead + 0.6 MWFRS Wind Min. Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-4=-8, 4-6=-8, 6-9=-8, 9-12=-12, 12-13=-8, 2-24=-12, 23-24=-12, 19-22=-12, 17-18=-12, 15-17=-12, 14-15=-52, 14-29=-12

Horz: 9-12=-4

Concentrated Loads (lb)

Vert: 4=-129(F) 24=-1021(F) 25=-264(F) 32=-73(F) 33=-73(F) 35=-60(F) 36=-60(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)

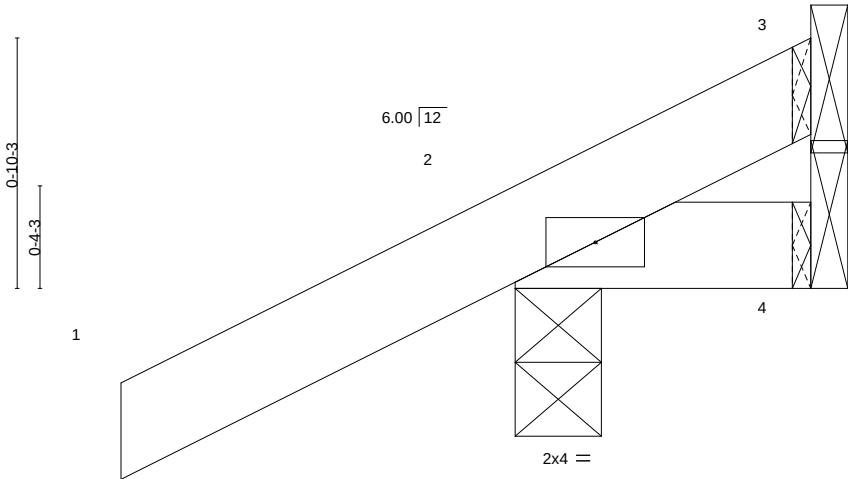
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425065
6260875	C1	Corner Jack	6	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:06 2026 Page 1
ID:KL125CBHjp6qPylO3?ZYfywBHM-MMkooU1VnwdjuNcojfcabE6Nb0WkCMYsbelPPgzc2MI



Scale = 1:7.8



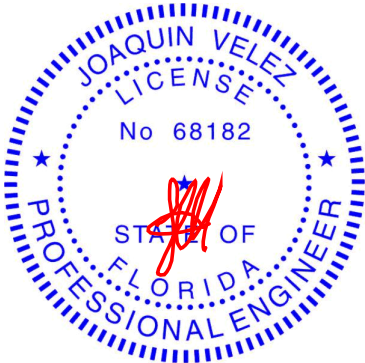
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	0.00	7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	0.00	7	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MP	Wind(LL)	-0.00	7	>999	240	Weight: 6 lb	FT = 10%

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=42(LC 12)
Max Uplift 3=-1(LC 1), 2=-84(LC 12), 4=-14(LC 1)
Max Grav 3=10(LC 12), 2=174(LC 1), 4=22(LC 12)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

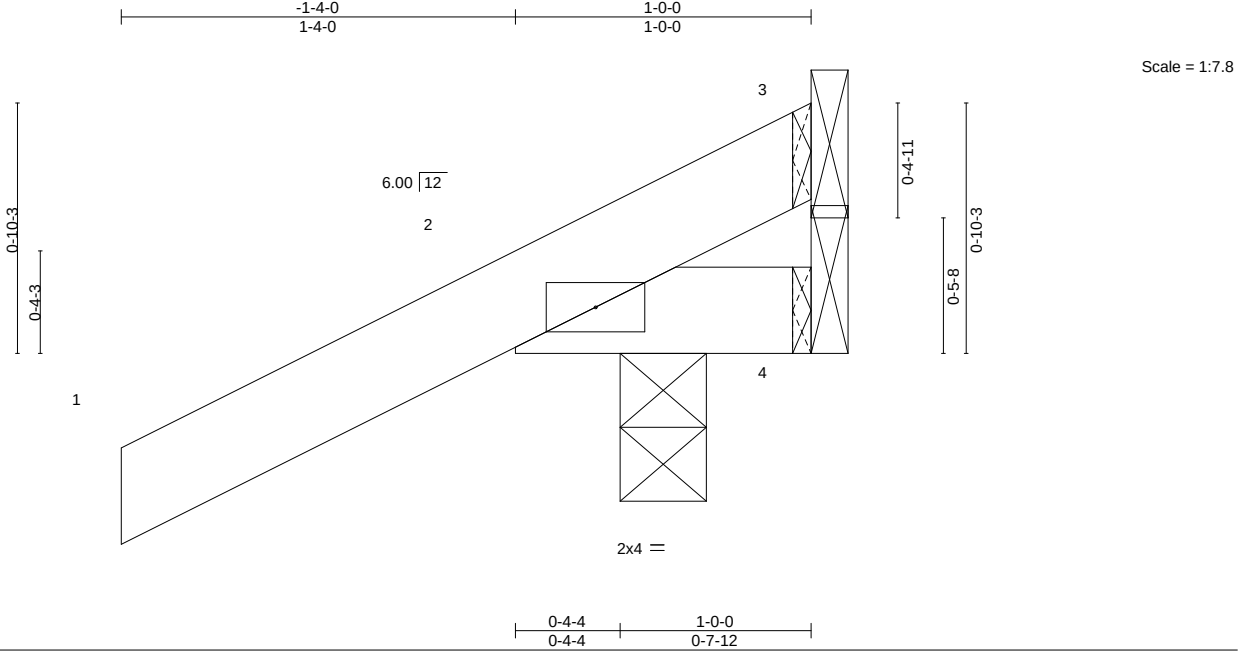


Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 12,2026

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425066
6260875	C1D	Corner Jack	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:07 2026 Page 1
ID:KLI25CBHipj6qPyIO3?ZYfywBHM-qZIA?E27YElaWXB_HM8p8RfYLQqGxpo?pIVzx7zc2Mk



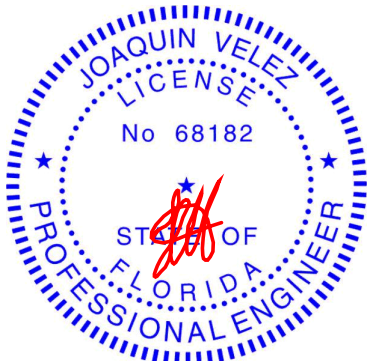
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	-0.00	5	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.14	Vert(CT)	-0.00	5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MP	Wind(LL)	0.00	5	>999	Weight: 6 lb	FT = 10%

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, 4=Mechanical, 2=0-3-8
Max Horz 2=42(LC 12)
Max Uplift 3=-46(LC 1), 4=-66(LC 1), 2=-131(LC 12)
Max Grav 3=31(LC 12), 4=47(LC 12), 2=271(LC 1)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=131.



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

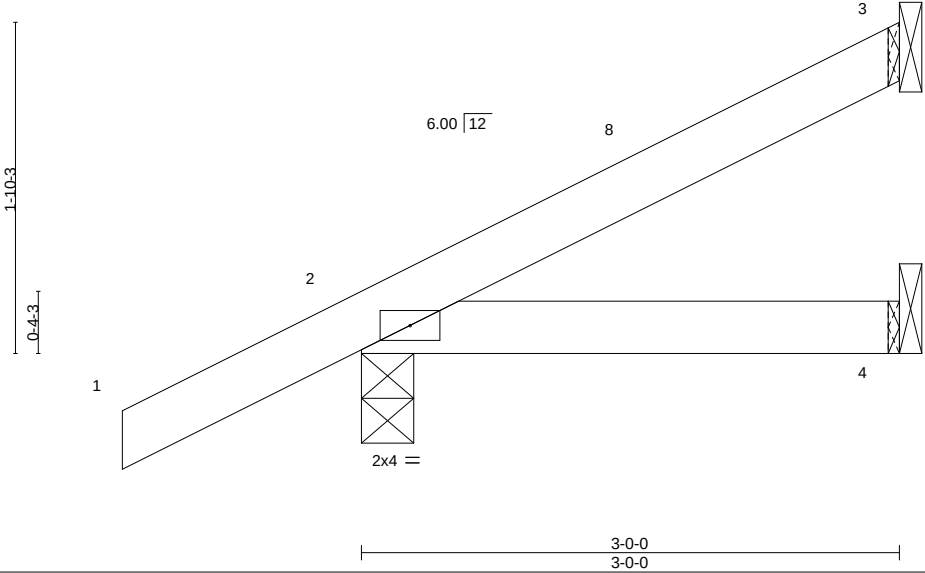
March 12,2026

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425067
6260875	C3	Corner Jack	4	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:07 2026 Page 1
ID:KL125CBHjp6qPyIO3?ZYfywBHM-qZIA?E27YElawXB_HM8p8RfYLQrHxpo?plVzx7zc2Mk



Scale = 1:12.8



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 0.14	Vert(LL)	-0.00	4-7	>999	360	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	-0.01	4-7	>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-MP	Wind(LL)	0.00	4-7	>999	240	
									Weight: 12 lb FT = 10%

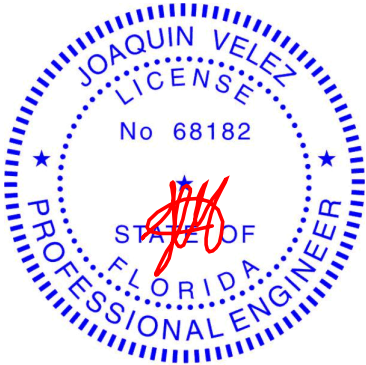
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=69(LC 12)
Max Uplift 3=-22(LC 12), 2=-58(LC 12)
Max Grav 3=67(LC 1), 2=216(LC 1), 4=51(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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

March 12,2026

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425068
6260875	C3T	Corner Jack	2	1	Job Reference (optional)	

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

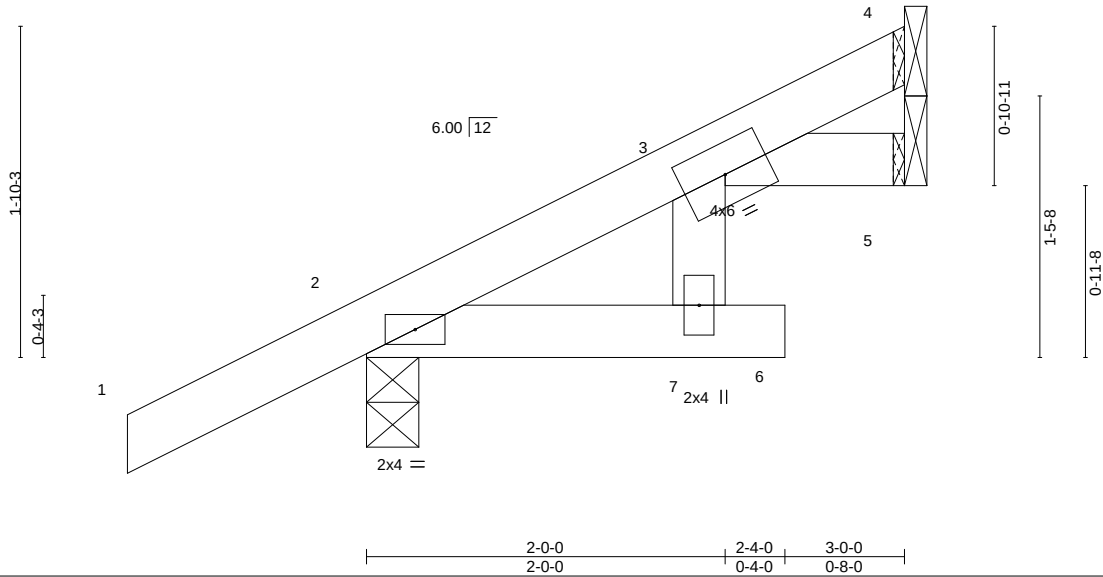
Ocala, FL - 34472,

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:07 2026 Page 1

ID:KL125CBHjp6qPyIO3?ZYfywBHM-qZIA?E27YElawXB_HM8p8RfYLQrAxp0?piVzx7zc2Mk



Scale = 1:12.8



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0 1.25	TC 0.14	Vert(LL) -0.00	7	>999	360		MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.08	Vert(CT) -0.01	6	>999	240			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00	5	n/a	n/a			
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MR	Wind(LL) 0.01	6	>999	240			
								Weight: 13 lb	FT = 10%

LUMBER-

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

BRACING-

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

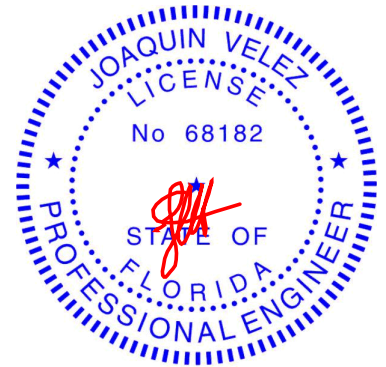
REACTIONS.

(size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=69(LC 12)
Max Uplift 4=-10(LC 12), 2=-57(LC 12)
Max Grav 4=59(LC 1), 2=218(LC 1), 5=54(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 1-10-4, Zone1 1-10-4 to 2-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



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

March 12,2026

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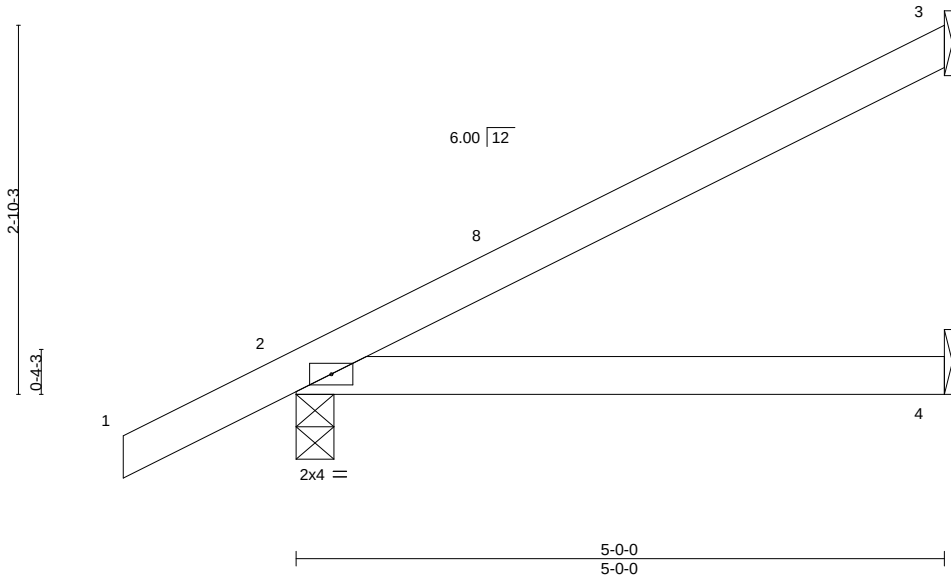
16023 Swingle Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425069
6260875	C5	Corner Jack	4	1	Job Reference (optional)	

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

Ocala, FL - 34472,

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:08 2026 Page 1
ID:KLl25CBHij6qPylO3?ZYfywBHM-JlsZDa2lJXtR7hlAr4f2hfBhPq9mgG292yEWUZZc2Mj



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.31	Vert(LL)	-0.02	4-7	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.25	Vert(CT)	-0.06	4-7	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Wind(LL)	0.03	4-7	>999	Weight: 18 lb	FT = 10%
	Code FBC2023/TPI2014							

LUMBER-

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

BRACING-

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

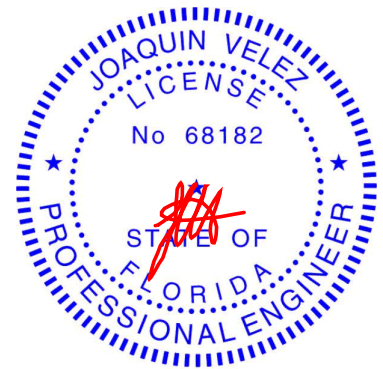
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=97(LC 12)
Max Uplift 3=-46(LC 12), 2=-54(LC 12)
Max Grav 3=125(LC 1), 2=288(LC 1), 4=90(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



Joaquin Velez PE No.68182
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 12,2026

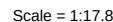
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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314.434.1200 / MiTek-US.com

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:08 2026 Page 1
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LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
 Max Horz 2=97(LC 12)
 Max Uplift 4=-35(LC 12), 2=-50(LC 12)
 Max Grav 4=116(LC 1), 2=294(LC 1), 5=90(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TC DL=4.2psf; BC DL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl.; GCp=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-10-4, Zone1 1-10-4 to 4-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



March 12, 2026



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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425071
6260875	D01	ROOF SPECIAL	1	1		

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:09 2026 Page 1

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Scale = 1:56.0

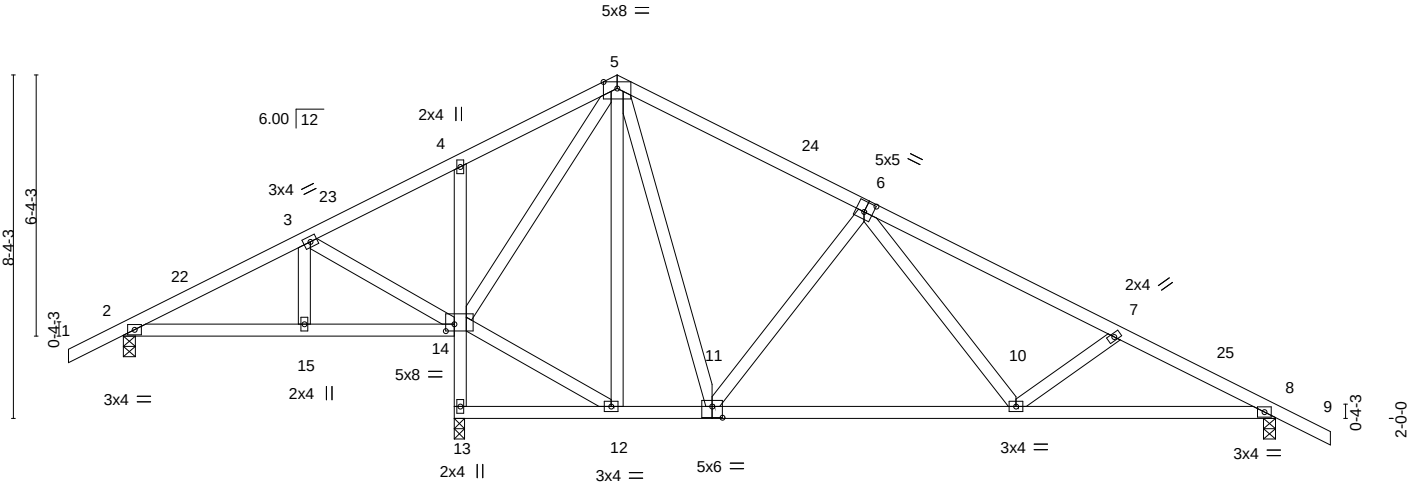


Plate Offsets (X,Y)--	[6:0-2-8,0-3-0], [11:0-3-0,0-3-4], [14:0-2-8,0-2-0]
-----------------------	---

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.52	Vert(LL)	-0.07 10-11	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.97	Vert(CT)	-0.32 10-11	>753	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.90	Horz(CT)	-0.02 13	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL)	0.03 10-11	>999	240	Weight: 172 lb	FT = 10%

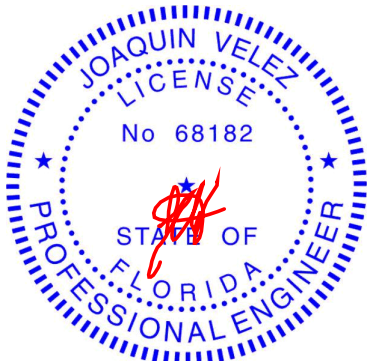
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-6-10 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 4-9-11 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS.	(size) 2=0-3-8, 13=0-3-0, 8=0-3-8
	Max Horz 2=-147(LC 10)
	Max Uplift 2=-179(LC 12)
	Max Grav 2=270(LC 23), 13=1544(LC 1), 8=939(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	3-4=0/467, 4-5=0/469, 5-6=-616/28, 6-7=-1418/0, 7-8=-1627/0
BOT CHORD	13-14=-1496/130, 10-11=0/858, 8-10=0/1424
WEBS	3-14=-379/204, 12-14=0/251, 5-14=-1104/0, 5-11=0/918, 6-11=-652/97, 6-10=0/633, 7-10=-279/149

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to 29-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=179.
 - 7) 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: 1-5=-60, 5-9=-60, 14-16=-20, 11-13=-20, 10-11=-60, 10-19=-20
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-50, 5-9=-50, 14-16=-20, 11-13=-20, 10-11=-60, 10-19=-20



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

March 12,2026

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425071
6260875	D01	ROOF SPECIAL	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:09 2026 Page 2
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LOAD CASE(S) Standard

- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-9=-20, 14-16=-40, 11-13=-40, 10-11=-80, 10-19=-40
- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=55, 2-22=38, 5-22=20, 5-24=32, 8-24=20, 8-9=15, 14-16=16, 11-13=-12, 10-11=-52, 10-19=-12
Horz: 1-2=-63, 2-22=-46, 5-22=-29, 5-24=40, 8-24=29, 8-9=23
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-23=20, 5-23=32, 5-25=20, 8-25=38, 8-9=55, 14-16=16, 11-13=-12, 10-11=-52, 10-19=-12
Horz: 1-2=-23, 2-23=-29, 5-23=-40, 5-25=29, 8-25=46, 8-9=63
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-5=-34, 5-8=-34, 8-9=-29, 14-16=-4, 11-13=-20, 10-11=-60, 10-19=-20
Horz: 1-2=-13, 2-5=14, 5-8=-14, 8-9=-9
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-29, 2-5=-34, 5-8=-34, 8-9=-7, 14-16=-4, 11-13=-20, 10-11=-60, 10-19=-20
Horz: 1-2=9, 2-5=14, 5-8=-14, 8-9=13
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=19, 2-5=5, 5-8=12, 8-9=7, 14-16=8, 11-13=-12, 10-11=-52, 10-19=-12
Horz: 1-2=-28, 2-5=-13, 5-8=20, 8-9=15
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=7, 2-5=12, 5-8=5, 8-9=19, 14-16=8, 11-13=-12, 10-11=-52, 10-19=-12
Horz: 1-2=-15, 2-5=-20, 5-8=13, 8-9=28
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-5=-29, 5-8=-10, 8-9=-5, 14-16=-0, 11-13=-20, 10-11=-60, 10-19=-20
Horz: 1-2=4, 2-5=9, 5-8=10, 8-9=15
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-5=-10, 5-8=-29, 8-9=-24, 14-16=-0, 11-13=-20, 10-11=-60, 10-19=-20
Horz: 1-2=-15, 2-5=-10, 5-8=-9, 8-9=-4
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=34, 2-5=19, 5-8=19, 8-9=34, 14-16=8, 11-13=-12, 10-11=-52, 10-19=-12
Horz: 1-2=-42, 2-5=-28, 5-8=28, 8-9=42
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=19, 2-5=4, 5-8=4, 8-9=19, 14-16=8, 11-13=-12, 10-11=-52, 10-19=-12
Horz: 1-2=-27, 2-5=-13, 5-8=13, 8-9=27
- 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-5=-21, 5-8=-21, 8-9=-16, 14-16=-0, 11-13=-20, 10-11=-60, 10-19=-20
Horz: 1-2=-4, 2-5=1, 5-8=-1, 8-9=4
- 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-5=-21, 5-8=-21, 8-9=-16, 14-16=-0, 11-13=-20, 10-11=-60, 10-19=-20
Horz: 1-2=-4, 2-5=1, 5-8=-1, 8-9=4
- 16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-5=-20, 5-9=-20, 14-16=-20, 11-13=-20, 10-11=-60, 10-19=-20
- 17) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-5=-57, 5-8=-43, 8-9=-39, 14-16=-5, 11-13=-20, 10-11=-60, 10-19=-20
Horz: 1-2=3, 2-5=7, 5-8=7, 8-9=11
- 18) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-39, 2-5=-43, 5-8=-57, 8-9=-53, 14-16=-5, 11-13=-20, 10-11=-60, 10-19=-20
Horz: 1-2=-11, 2-5=-7, 5-8=-7, 8-9=-3
- 19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-5=-51, 5-8=-51, 8-9=-47, 14-16=-5, 11-13=-20, 10-11=-60, 10-19=-20
Horz: 1-2=-3, 2-5=1, 5-8=-1, 8-9=3
- 20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-5=-51, 5-8=-51, 8-9=-47, 14-16=-5, 11-13=-20, 10-11=-60, 10-19=-20
Horz: 1-2=-3, 2-5=1, 5-8=-1, 8-9=3
- 21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-5=-25, 5-9=-25, 14-16=4, 11-13=-12, 10-11=-52, 10-19=-12
Horz: 1-2=-16, 2-5=16, 5-9=-16
- 22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

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

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425071
6260875	D01	ROOF SPECIAL	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:09 2026 Page 3
ID:KL125CBHipj6qPyIO3?ZYfywBHM-nxQxQw3N4r?IlrKNPnAHDskoqEJfPVEIHc_30?zc2Mi

- LOAD CASE(S)** Standard
- Uniform Loads (plf)
- Vert: 1-5=8, 5-9=8, 14-16=4, 11-13=-12, 10-11=-52, 10-19=-12
- Horz: 1-5=-16, 5-9=16
- 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-5=-60, 5-9=-20, 14-16=-20, 11-13=-20, 10-11=-60, 10-19=-20
- 24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-5=-20, 5-9=-60, 14-16=-20, 11-13=-20, 10-11=-60, 10-19=-20
- 25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-5=-50, 5-9=-20, 14-16=-20, 11-13=-20, 10-11=-60, 10-19=-20
- 26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-5=-20, 5-9=-50, 14-16=-20, 11-13=-20, 10-11=-60, 10-19=-20

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

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425072
6260875	D01A	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:10 2026 Page 1

ID:KLI25CBHjp6qPyIO3?ZyfywBHM-F8_JeG4?r979N?vZyUhWm4H??dev82ESWGjdYRzc2Mh

-1-4-0	4-4-13	8-4-0	10-2-0	12-0-0	13-10-0	18-0-0	24-0-15	28-0-0	29-4-0
1-4-0	4-4-13	3-11-4	1-10-0	1-10-0	1-10-0	4-2-0	6-0-15	3-11-1	1-4-0

Scale = 1:51.6

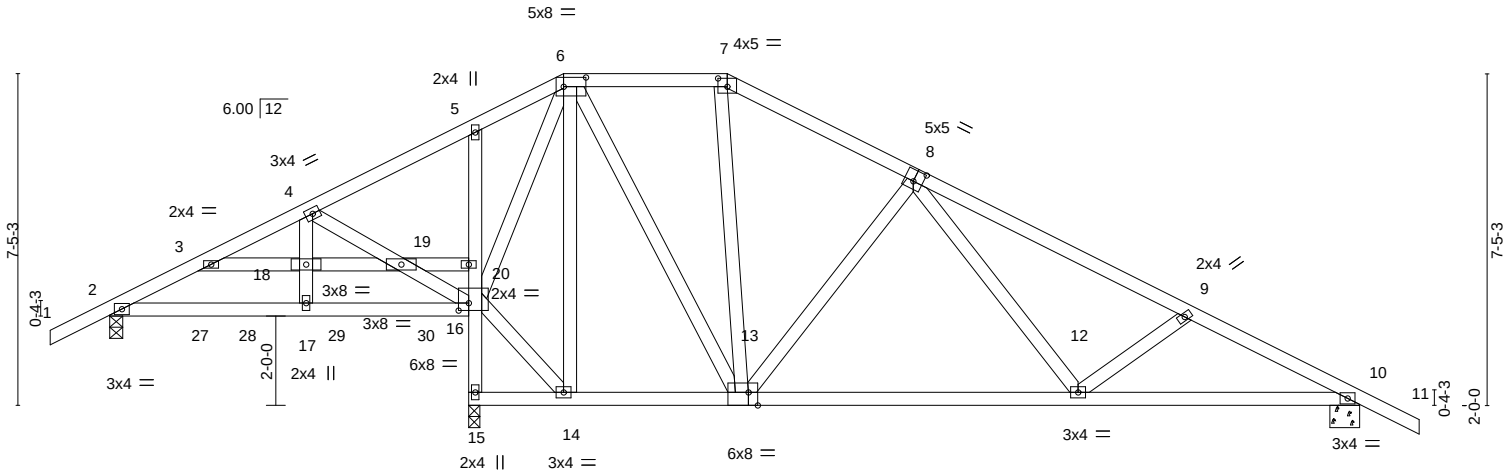


Plate Offsets (X,Y)--	[6:0-6-0,0-2-8], [7:0-2-8,0-2-4], [8:0-2-8,0-3-0], [13:0-2-8,Edge], [16:0-2-12,0-2-0]
-----------------------	---

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.43	Vert(LL)	-0.07 12-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.97	Vert(CT)	-0.32 12-13	>744	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.53	Horz(CT)	-0.02 15	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS	Wind(LL)	-0.03 17-23	>999	240	Weight: 185 lb	FT = 10%

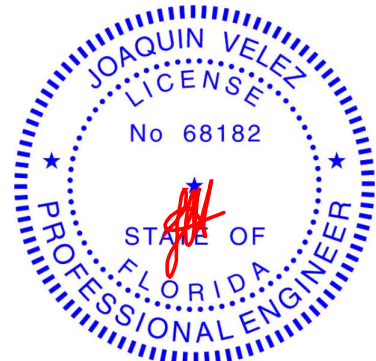
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-4-4 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 4-10-15 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 2=0-3-8, 15=0-3-0, 10=0-8-0
Max Horz 2=-129(LC 6)
Max Uplift 2=-245(LC 8), 15=-6(LC 8)
Max Grav 2=224(LC 38), 15=1492(LC 1), 10=954(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-101/317, 3-4=0/266, 4-5=0/459, 5-6=0/419, 7-8=-646/23, 8-9=-1453/0, 9-10=-1669/0, 6-7=-509/41
BOT CHORD 2-17=-308/182, 16-17=-284/135, 15-16=-1442/42, 12-13=0/876, 10-12=0/1463
WEBS 4-19=-373/185, 16-19=-397/198, 6-16=-1105/0, 8-13=-605/38, 8-12=0/640, 9-12=-296/149, 6-13=0/896

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 2=245.
 - 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, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 141 lb down and 241 lb up at 2-0-0, 45 lb down and 12 lb up at 3-0-12, and 45 lb down and 12 lb up at 5-0-12, and 45 lb down and 12 lb up at 7-0-12 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



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

March 12,2026

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425072
6260875	D01A	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:10 2026 Page 2
ID:KLI25CBHipj6qPyIO3?ZYfywBHM-F8_JeG4?r979N?vZyUhWm4H??dev82ESWGjdYRzc2Mh

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-60, 7-11=-60, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-60
Concentrated Loads (lb)
Vert: 27=74(F) 28=9(F) 29=9(F) 30=9(F)
- 2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-50, 7-11=-50, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-50
Concentrated Loads (lb)
Vert: 27=74(F) 28=7(F) 29=7(F) 30=7(F)
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 7-11=-20, 16-21=-40, 13-15=-40, 12-13=-80, 12-24=-40, 6-7=-20
Concentrated Loads (lb)
Vert: 27=96(F)
- 4) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=19, 2-6=5, 7-10=12, 10-11=7, 16-21=8, 13-15=-12, 12-13=-52, 12-24=-12, 6-7=18
Horz: 1-2=-28, 2-6=-13, 7-10=20, 10-11=15
Concentrated Loads (lb)
Vert: 27=85(F) 28=-3(F) 29=-3(F) 30=-3(F)
- 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=7, 2-6=12, 7-10=5, 10-11=19, 16-21=8, 13-15=-12, 12-13=-52, 12-24=-12, 6-7=11
Horz: 1-2=-15, 2-6=-20, 7-10=13, 10-11=28
Concentrated Loads (lb)
Vert: 27=85(F) 28=-3(F) 29=-3(F) 30=-3(F)
- 6) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-6=-29, 7-10=-10, 10-11=-5, 16-21=-0, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-21
Horz: 1-2=-4, 2-6=9, 7-10=10, 10-11=15
Concentrated Loads (lb)
Vert: 27=97(F) 28=-3(F) 29=-3(F) 30=-3(F)
- 7) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-6=-10, 7-10=-29, 10-11=-24, 16-21=-0, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-21
Horz: 1-2=-15, 2-6=-10, 7-10=-9, 10-11=-4
Concentrated Loads (lb)
Vert: 27=97(F) 28=-3(F) 29=-3(F) 30=-3(F)
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=34, 2-6=19, 7-10=19, 10-11=34, 16-21=8, 13-15=-12, 12-13=-52, 12-24=-12, 6-7=19
Horz: 1-2=-42, 2-6=-28, 7-10=28, 10-11=42
Concentrated Loads (lb)
Vert: 27=85(F) 28=-3(F) 29=-3(F) 30=-3(F)
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=19, 2-6=4, 7-10=4, 10-11=19, 16-21=8, 13-15=-12, 12-13=-52, 12-24=-12, 6-7=4
Horz: 1-2=-27, 2-6=-13, 7-10=13, 10-11=27
Concentrated Loads (lb)
Vert: 27=85(F) 28=-3(F) 29=-3(F) 30=-3(F)
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-6=-21, 7-10=-21, 10-11=-16, 16-21=-0, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-21
Horz: 1-2=-4, 2-6=1, 7-10=-1, 10-11=4
Concentrated Loads (lb)
Vert: 27=97(F) 28=-3(F) 29=-3(F) 30=-3(F)
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-6=-21, 7-10=-21, 10-11=-16, 16-21=-0, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-21
Horz: 1-2=-4, 2-6=1, 7-10=-1, 10-11=4
Concentrated Loads (lb)
Vert: 27=97(F) 28=-3(F) 29=-3(F) 30=-3(F)
- 12) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-6=-20, 7-11=-20, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-20
Concentrated Loads (lb)
Vert: 27=74(F)
- 13) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-6=-57, 7-10=-43, 10-11=-39, 16-21=-5, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-51
Horz: 1-2=3, 2-6=7, 7-10=7, 10-11=11
Concentrated Loads (lb)
Vert: 27=169(F) 28=4(F) 29=4(F) 30=4(F)
- 14) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425072
6260875	D01A	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:10 2026 Page 3
ID:KLI25CBHipj6qPyIO3?ZYfywBHM-F8_JeG4?r979N?vZyUhWm4H??dev82ESWGjdYRzc2Mh

LOAD CASE(S) Standard

- Uniform Loads (plf)
Vert: 1-2=-39, 2-6=-43, 7-10=-57, 10-11=-53, 16-21=-5, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-51
Horz: 1-2=-11, 2-6=-7, 7-10=-7, 10-11=-3
- Concentrated Loads (lb)
Vert: 27=169(F) 28=4(F) 29=4(F) 30=4(F)
- 15) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=-47, 2-6=-51, 7-10=-51, 10-11=-47, 16-21=-5, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-51
Horz: 1-2=-3, 2-6=1, 7-10=-1, 10-11=3
- Concentrated Loads (lb)
Vert: 27=169(F) 28=4(F) 29=4(F) 30=4(F)
- 16) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=-47, 2-6=-51, 7-10=-51, 10-11=-47, 16-21=-5, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-51
Horz: 1-2=-3, 2-6=1, 7-10=-1, 10-11=3
- Concentrated Loads (lb)
Vert: 27=169(F) 28=4(F) 29=4(F) 30=4(F)
- 17) Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-2=-8, 2-6=-12, 7-11=-8, 16-21=-12, 13-15=-12, 12-13=-52, 12-24=-12, 6-7=-8
Horz: 2-6=4
- Concentrated Loads (lb)
Vert: 27=99(F) 28=12(F) 29=12(F) 30=12(F)
- 18) Dead + 0.6 MWFRS Wind Min. Right: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
Vert: 1-6=-8, 7-10=-12, 10-11=-8, 16-21=-12, 13-15=-12, 12-13=-52, 12-24=-12, 6-7=-8
Horz: 7-10=-4
- Concentrated Loads (lb)
Vert: 27=99(F) 28=12(F) 29=12(F) 30=12(F)
- 19) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-6=-60, 7-11=-20, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-60
- Concentrated Loads (lb)
Vert: 27=74(F) 28=9(F) 29=9(F) 30=9(F)
- 20) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-6=-20, 7-11=-60, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-60
- Concentrated Loads (lb)
Vert: 27=74(F) 28=9(F) 29=9(F) 30=9(F)
- 21) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-6=-50, 7-11=-20, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-50
- Concentrated Loads (lb)
Vert: 27=74(F) 28=7(F) 29=7(F) 30=7(F)
- 22) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-6=-20, 7-11=-50, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-50
- Concentrated Loads (lb)
Vert: 27=74(F) 28=7(F) 29=7(F) 30=7(F)
- 23) Reversal: Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-6=-60, 7-11=-60, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-60
- Concentrated Loads (lb)
Vert: 27=241(F)
- 24) Reversal: Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-6=-50, 7-11=-50, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-50
- Concentrated Loads (lb)
Vert: 27=205(F)
- 25) Reversal: Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
- Uniform Loads (plf)
Vert: 1-6=-20, 7-11=-20, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-20
- Concentrated Loads (lb)
Vert: 27=96(F)
- 26) Reversal: 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-6=-60, 7-11=-20, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-60
- Concentrated Loads (lb)
Vert: 27=241(F)
- 27) Reversal: 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-6=-20, 7-11=-60, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-60
- Concentrated Loads (lb)
Vert: 27=241(F)
- 28) Reversal: 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25

Continued on page 4

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

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425072
6260875	D01A	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:10 2026 Page 4
ID:KLI25CBHipj6qPyIO3?ZYfywBHM-F8_JeG4?r979N?vZyUhWm4H??dev82ESWGjdYRzc2Mh

LOAD CASE(S) Standard

- Uniform Loads (plf)
Vert: 1-6=-50, 7-11=-20, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-50
- Concentrated Loads (lb)
Vert: 27=205(F)
- 29) Reversal: 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 7-11=-50, 16-21=-20, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-50
Concentrated Loads (lb)
Vert: 27=205(F)
- 30) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=19, 2-6=5, 7-10=12, 10-11=7, 16-21=8, 13-15=-12, 12-13=-52, 12-24=-12, 6-7=18
Horz: 1-2=-28, 2-6=-13, 7-10=20, 10-11=15
Concentrated Loads (lb)
Vert: 27=-141(F) 28=-45(F) 29=-45(F) 30=-45(F)
- 31) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=7, 2-6=12, 7-10=5, 10-11=19, 16-21=8, 13-15=-12, 12-13=-52, 12-24=-12, 6-7=11
Horz: 1-2=-15, 2-6=-20, 7-10=13, 10-11=28
Concentrated Loads (lb)
Vert: 27=-141(F) 28=-45(F) 29=-45(F) 30=-45(F)
- 32) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-6=-29, 7-10=-10, 10-11=-5, 16-21=-0, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-21
Horz: 1-2=4, 2-6=9, 7-10=10, 10-11=15
Concentrated Loads (lb)
Vert: 27=-129(F) 28=-42(F) 29=-42(F) 30=-42(F)
- 33) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-6=-10, 7-10=-29, 10-11=-24, 16-21=-0, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-21
Horz: 1-2=-15, 2-6=-10, 7-10=-9, 10-11=-4
Concentrated Loads (lb)
Vert: 27=-129(F) 28=-42(F) 29=-42(F) 30=-42(F)
- 34) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=34, 2-6=19, 7-10=19, 10-11=34, 16-21=8, 13-15=-12, 12-13=-52, 12-24=-12, 6-7=19
Horz: 1-2=-42, 2-6=-28, 7-10=28, 10-11=42
Concentrated Loads (lb)
Vert: 27=-141(F) 28=-45(F) 29=-45(F) 30=-45(F)
- 35) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=19, 2-6=4, 7-10=4, 10-11=19, 16-21=8, 13-15=-12, 12-13=-52, 12-24=-12, 6-7=4
Horz: 1-2=-27, 2-6=-13, 7-10=13, 10-11=27
Concentrated Loads (lb)
Vert: 27=-141(F) 28=-45(F) 29=-45(F) 30=-45(F)
- 36) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-6=-21, 7-10=-21, 10-11=-16, 16-21=-0, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-21
Horz: 1-2=-4, 2-6=1, 7-10=-1, 10-11=4
Concentrated Loads (lb)
Vert: 27=-129(F) 28=-42(F) 29=-42(F) 30=-42(F)
- 37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-6=-21, 7-10=-21, 10-11=-16, 16-21=-0, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-21
Horz: 1-2=-4, 2-6=1, 7-10=-1, 10-11=4
Concentrated Loads (lb)
Vert: 27=-129(F) 28=-42(F) 29=-42(F) 30=-42(F)
- 38) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-6=-57, 7-10=-43, 10-11=-39, 16-21=-5, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-51
Horz: 1-2=3, 2-6=7, 7-10=7, 10-11=11
Concentrated Loads (lb)
Vert: 27=-83(F) 28=-25(F) 29=-25(F) 30=-25(F)
- 39) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-39, 2-6=-43, 7-10=-57, 10-11=-53, 16-21=-5, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-51
Horz: 1-2=-11, 2-6=-7, 7-10=-7, 10-11=-3
Concentrated Loads (lb)
Vert: 27=-83(F) 28=-25(F) 29=-25(F) 30=-25(F)
- 40) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-6=-51, 7-10=-51, 10-11=-47, 16-21=-5, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-51
Horz: 1-2=-3, 2-6=1, 7-10=-1, 10-11=3
Concentrated Loads (lb)
Vert: 27=-83(F) 28=-25(F) 29=-25(F) 30=-25(F)

Continued on page 5

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

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425072
6260875	D01A	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:10 2026 Page 5
ID:KLI25CBHipj6qPyIO3?ZYfywBHM-F8_JeG4?r979N?vZyUhWm4H??dev82ESWGjdYRzc2Mh

- LOAD CASE(S)** Standard
- 41) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
- Vert: 1-2=-47, 2-6=-51, 7-10=-51, 10-11=-47, 16-21=-5, 13-15=-20, 12-13=-60, 12-24=-20, 6-7=-51
- Horz: 1-2=-3, 2-6=1, 7-10=-1, 10-11=3
- Concentrated Loads (lb)
- Vert: 27=-83(F) 28=-25(F) 29=-25(F) 30=-25(F)
- 42) Reversal: Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
- Vert: 1-2=-8, 2-6=-12, 7-11=-8, 16-21=-12, 13-15=-12, 12-13=-52, 12-24=-12, 6-7=-8
- Horz: 2-6=4
- Concentrated Loads (lb)
- Vert: 27=-114(F) 28=-20(F) 29=-20(F) 30=-20(F)
- 43) Reversal: Dead + 0.6 MWFRS Wind Min. Right: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
- Vert: 1-6=-8, 7-10=-12, 10-11=-8, 16-21=-12, 13-15=-12, 12-13=-52, 12-24=-12, 6-7=-8
- Horz: 7-10=-4
- Concentrated Loads (lb)
- Vert: 27=-114(F) 28=-20(F) 29=-20(F) 30=-20(F)

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

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425073
6260875	D02	Roof Special	1	1		

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

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ID:KLI25CBHipj6qPyIO3?ZYfywBHM-F8_JeG4?r979N?vZyUhWm4Hz9dgM8x3SWGjdYRzc2Mh



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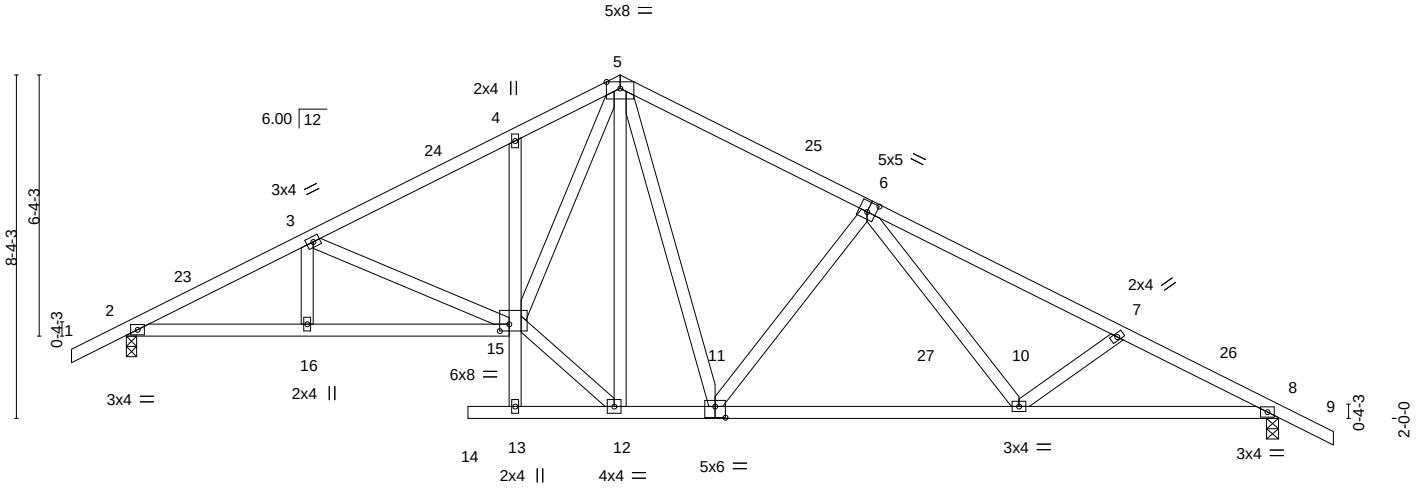


Plate Offsets (X,Y)--	[6:0-2-8,0-3-0], [11:0-3-0,0-3-4], [15:0-2-12,0-2-0]
-----------------------	--

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25		TC 0.55	Vert(LL) -0.10	14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25		BC 0.88	Vert(CT) -0.36	10-11	>943	240		
BCLL 0.0 *	Rep Stress Incr NO		WB 0.99	Horz(CT) 0.09	8	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MS	Wind(LL) 0.06	10-11	>999	240	Weight: 174 lb	FT = 10%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-5-1 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
8-11: 2x4 SP M 31 or 2x4 SP SS	10-0-0 oc bracing: 13-15
WEBS 2x4 SP No.2	

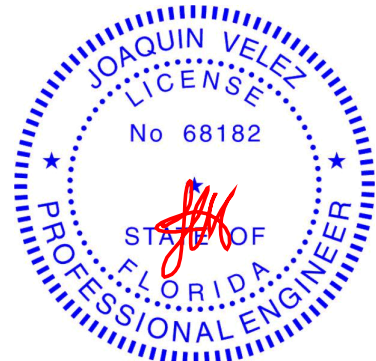
REACTIONS. (size) 2=0-3-0, 8=0-3-8
Max Horz 2=-147(LC 10)
Max Uplift 2=-4(LC 12)
Max Grav 2=1345(LC 1), 8=1373(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2466/0, 3-4=-2049/0, 4-5=-1983/33, 5-6=-1668/0, 6-7=-2358/0, 7-8=-2565/0
BOT CHORD 2-16=0/2164, 15-16=0/2164, 11-12=0/1169, 10-11=0/1767, 8-10=0/2261
WEBS 3-15=-434/91, 12-15=0/1442, 5-15=0/1485, 5-12=873/0, 5-11=0/875, 6-11=-598/147, 6-10=0/522, 7-10=-277/142

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to 29-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
 - 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: 1-5=-60, 5-9=-60, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
- Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-50, 5-9=-50, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20



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

March 12,2026

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425073
6260875	D02	Roof Special	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:10 2026 Page 2
ID:KLI25CBHipj6qPyIO3?ZYfywBHM-F8_JeG4?r979N?vZyUhWm4Hz9dgM8x3SWGjdYRzc2Mh

LOAD CASE(S) Standard

- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-9=-20, 15-17=-40, 13-14=-40, 12-13=-40, 12-27=-80, 20-27=-40
- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=55, 2-23=38, 5-23=20, 5-25=32, 8-25=20, 8-9=15, 15-17=-12, 13-14=-12, 12-13=-12, 12-27=-52, 20-27=-12
Horz: 1-2=-63, 2-23=-46, 5-23=-29, 5-25=40, 8-25=29, 8-9=23
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-24=20, 5-24=32, 5-26=20, 8-26=38, 8-9=55, 15-17=-12, 13-14=-12, 12-13=-12, 12-27=-52, 20-27=-12
Horz: 1-2=-23, 2-24=-29, 5-24=-40, 5-26=29, 8-26=46, 8-9=63
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-5=-34, 5-8=-34, 8-9=-29, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
Horz: 1-2=-13, 2-5=14, 5-8=-14, 8-9=-9
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-29, 2-5=-34, 5-8=-34, 8-9=-7, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
Horz: 1-2=9, 2-5=14, 5-8=-14, 8-9=13
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=19, 2-5=5, 5-8=12, 8-9=7, 15-17=-12, 13-14=-12, 12-13=-12, 12-27=-52, 20-27=-12
Horz: 1-2=-28, 2-5=-13, 5-8=20, 8-9=15
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=7, 2-5=12, 5-8=5, 8-9=19, 15-17=-12, 13-14=-12, 12-13=-12, 12-27=-52, 20-27=-12
Horz: 1-2=-15, 2-5=-20, 5-8=13, 8-9=28
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-5=-29, 5-8=-10, 8-9=-5, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
Horz: 1-2=4, 2-5=9, 5-8=10, 8-9=15
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-5=-10, 5-8=-29, 8-9=-24, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
Horz: 1-2=-15, 2-5=-10, 5-8=-9, 8-9=-4
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=34, 2-5=19, 5-8=19, 8-9=34, 15-17=-12, 13-14=-12, 12-13=-12, 12-27=-52, 20-27=-12
Horz: 1-2=-42, 2-5=-28, 5-8=28, 8-9=42
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=19, 2-5=4, 5-8=4, 8-9=19, 15-17=-12, 13-14=-12, 12-13=-12, 12-27=-52, 20-27=-12
Horz: 1-2=-27, 2-5=-13, 5-8=13, 8-9=27
- 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-5=-21, 5-8=-21, 8-9=-16, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
Horz: 1-2=-4, 2-5=1, 5-8=-1, 8-9=4
- 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-5=-21, 5-8=-21, 8-9=-16, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
Horz: 1-2=-4, 2-5=1, 5-8=-1, 8-9=4
- 16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-5=-20, 5-9=-20, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
- 17) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-5=-57, 5-8=-43, 8-9=-39, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
Horz: 1-2=3, 2-5=7, 5-8=7, 8-9=11
- 18) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-39, 2-5=-43, 5-8=-57, 8-9=-53, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
Horz: 1-2=-11, 2-5=-7, 5-8=-7, 8-9=-3
- 19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-5=-51, 5-8=-51, 8-9=-47, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
Horz: 1-2=-3, 2-5=1, 5-8=-1, 8-9=3
- 20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-5=-51, 5-8=-51, 8-9=-47, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
Horz: 1-2=-3, 2-5=1, 5-8=-1, 8-9=3
- 21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-5=-25, 5-9=-25, 15-17=-12, 13-14=-12, 12-13=-12, 12-27=-52, 20-27=-12
Horz: 1-2=-16, 2-5=16, 5-9=-16
- 22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

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

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray
6260875	D02	Roof Special	1	1	T40425073

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:10 2026 Page 3
ID:KLI25CBHipj6qPyIO3?ZYfywBHM-F8_JeG4?r979N?vZyUhWm4Hz9dgM8x3SWGjdYRzc2Mh

LOAD CASE(S) Standard

- Uniform Loads (plf)
Vert: 1-5=8, 5-9=8, 15-17=-12, 13-14=-12, 12-13=-12, 12-27=-52, 20-27=-12
Horz: 1-5=-16, 5-9=16
- 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-9=-20, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
- 24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-9=-60, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
- 25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-50, 5-9=-20, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20
- 26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-9=-50, 15-17=-20, 13-14=-20, 12-13=-20, 12-27=-60, 20-27=-20

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

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425074
6260875	D02GE	GABLE	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:11 2026 Page 1
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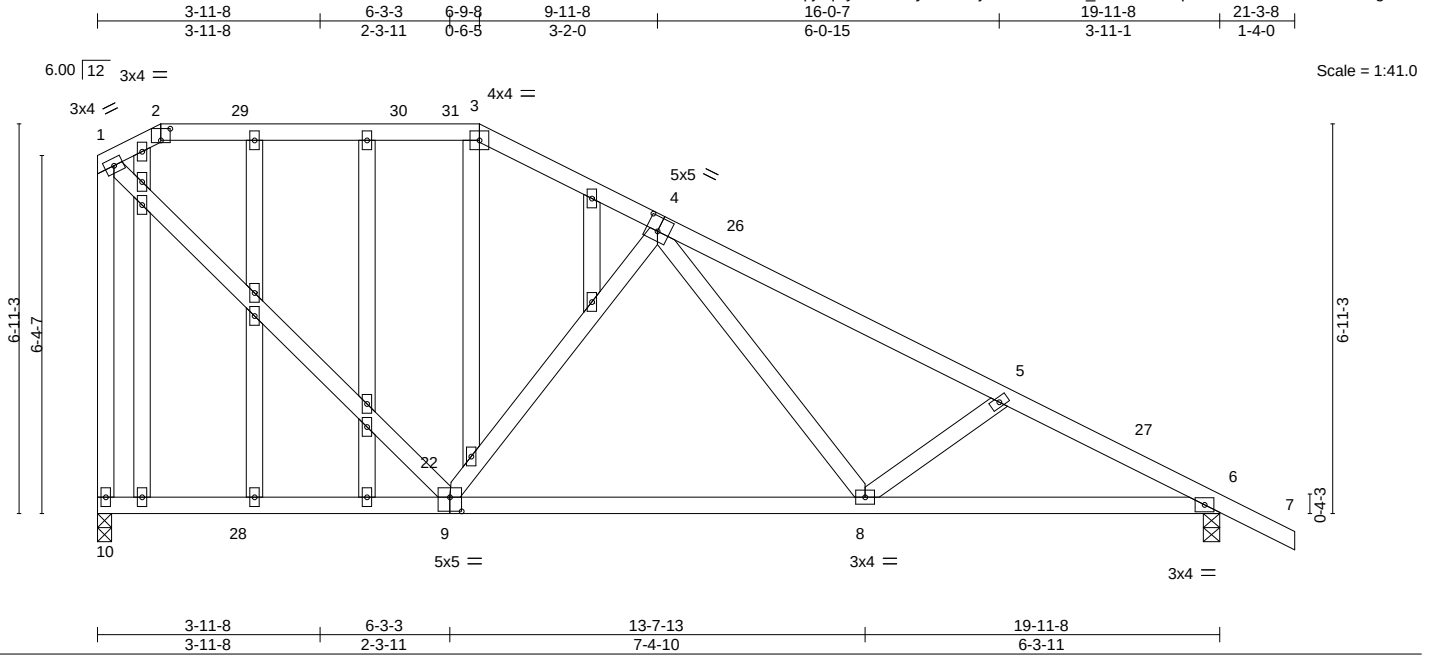


Plate Offsets (X,Y)--		[2:0-2-0,0-2-8], [4:0-2-8,0-3-0], [9:0-2-8,0-3-0]										
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.07	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.16	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.02	8-9	>999	240	Weight: 147 lb	FT = 10%

LUMBER-

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

REACTIONS.

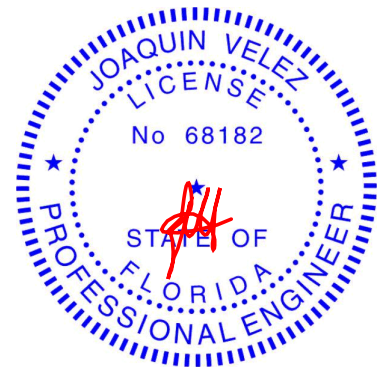
(size) 10=0-3-0, 6=0-3-8
Max Horz 10=-197(LC 12)
Max Uplift 10=-97(LC 12), 6=-93(LC 12)
Max Grav 10=909(LC 18), 6=971(LC 18)

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

TOP CHORD 1-2=-623/168, 3-4=-707/141, 4-5=-1415/175, 5-6=-1625/222, 1-10=-795/238,
2-3=-596/148
BOT CHORD 8-9=-14/859, 6-8=-147/1439
WEBS 9-22=-453/236, 4-22=-531/177, 4-8=-12/542, 5-8=-330/158, 1-9=-168/846

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-1-12 to 1-1-8, Zone2 1-1-8 to 5-4-7, Zone1 5-4-7 to 6-9-8, Zone2 6-9-8 to 11-0-7, Zone1 11-0-7 to 21-3-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 6.



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

March 12,2026

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

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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425075
6260875	D03	Roof Special	2	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:12 2026 Page 2
ID:KLl25CBHijp6qPyIO3?ZYfywBHM-BW532y6GNmNtl3x4vj_rVMJZRL7cz0kzaCkdKzc2Mf

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: 1-22=38, 4-22=20, 4-24=32, 7-24=20, 7-8=15, 14-16=-12, 12-13=-12, 10-12=-12, 9-10=-52, 9-19=-12
Horz: 1-22=-46, 4-22=-29, 4-24=40, 7-24=29, 7-8=23
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-23=20, 4-23=32, 4-25=20, 7-25=38, 7-8=55, 14-16=-12, 12-13=-12, 10-12=-12, 9-10=-52, 9-19=-12
Horz: 1-23=-29, 4-23=40, 4-25=29, 7-25=46, 7-8=63
- 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=-34, 4-7=-34, 7-8=-29, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20
Horz: 1-4=14, 4-7=-14, 7-8=-9
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-34, 4-7=-34, 7-8=-7, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20
Horz: 1-4=14, 4-7=-14, 7-8=13
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=5, 4-7=12, 7-8=7, 14-16=-12, 12-13=-12, 10-12=-12, 9-10=-52, 9-19=-12
Horz: 1-4=-13, 4-7=20, 7-8=15
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=12, 4-7=5, 7-8=19, 14-16=-12, 12-13=-12, 10-12=-12, 9-10=-52, 9-19=-12
Horz: 1-4=-20, 4-7=13, 7-8=28
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-29, 4-7=-10, 7-8=-5, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20
Horz: 1-4=9, 4-7=10, 7-8=15
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-10, 4-7=-29, 7-8=-24, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20
Horz: 1-4=-10, 4-7=-9, 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=19, 4-7=19, 7-8=34, 14-16=-12, 12-13=-12, 10-12=-12, 9-10=-52, 9-19=-12
Horz: 1-4=-28, 4-7=28, 7-8=42
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=4, 4-7=4, 7-8=19, 14-16=-12, 12-13=-12, 10-12=-12, 9-10=-52, 9-19=-12
Horz: 1-4=-13, 4-7=13, 7-8=27
- 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, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-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, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20
Horz: 1-4=1, 4-7=-1, 7-8=4
- 16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-4=-20, 4-8=-20, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20
- 17) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-57, 4-7=-43, 7-8=-39, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20
Horz: 1-4=7, 4-7=7, 7-8=11
- 18) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-43, 4-7=-57, 7-8=-53, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20
Horz: 1-4=-7, 4-7=-7, 7-8=-3
- 19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-51, 4-7=-51, 7-8=-47, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20
Horz: 1-4=1, 4-7=-1, 7-8=3
- 20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-51, 4-7=-51, 7-8=-47, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20
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, 14-16=-12, 12-13=-12, 10-12=-12, 9-10=-52, 9-19=-12
Horz: 1-4=16, 4-8=16
- 22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=8, 4-8=8, 14-16=-12, 12-13=-12, 10-12=-12, 9-10=-52, 9-19=-12
Horz: 1-4=-16, 4-8=16

Continued on page 3



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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425075
6260875	D03	Roof Special	2	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:12 2026 Page 3
ID:KLl25CBHipj6qPylO3?ZYfywBHM-BW532y6GNmNtcl3x4vj_rVMJZRL7cz0kzaCkdKzc2Mf

- LOAD CASE(S)** Standard
- 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-8=-20, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-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, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20
- 25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-8=-20, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20
- 26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-8=-50, 14-16=-20, 12-13=-20, 10-12=-20, 9-10=-60, 9-19=-20

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

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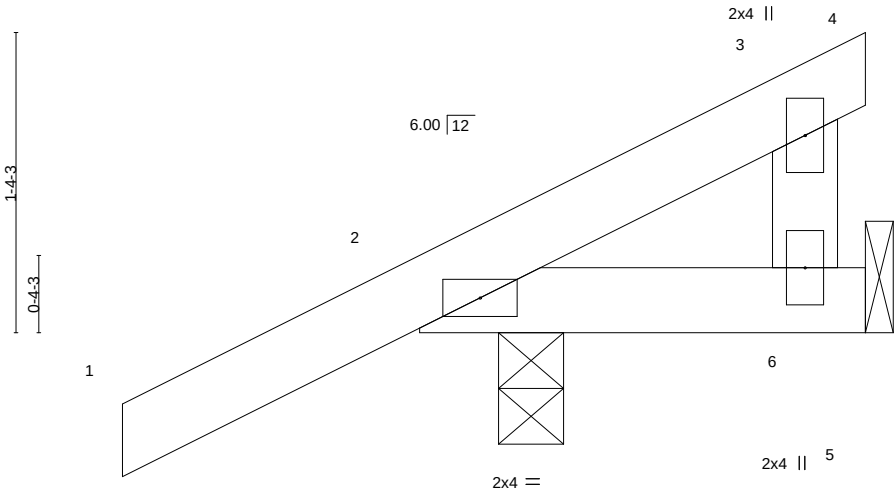
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425076
6260875	E2D	Jack-Closed	3	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:12 2026 Page 1
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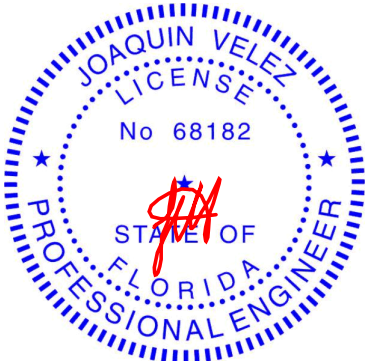
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	-0.00	7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.14	Vert(CT)	-0.00	7	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MP	Wind(LL)	0.00	7	>999	240	Weight: 10 lb	FT = 10%

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

REACTIONS. (size) 5=Mechanical, 2=0-3-8
 Max Horz 2=55(LC 12)
 Max Uplift 5=-3(LC 19), 2=-103(LC 12)
 Max Grav 5=30(LC 3), 2=226(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=140mph (3-second gust) Vasd=108mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ; 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) 5 except (jt=lb) 2=103.



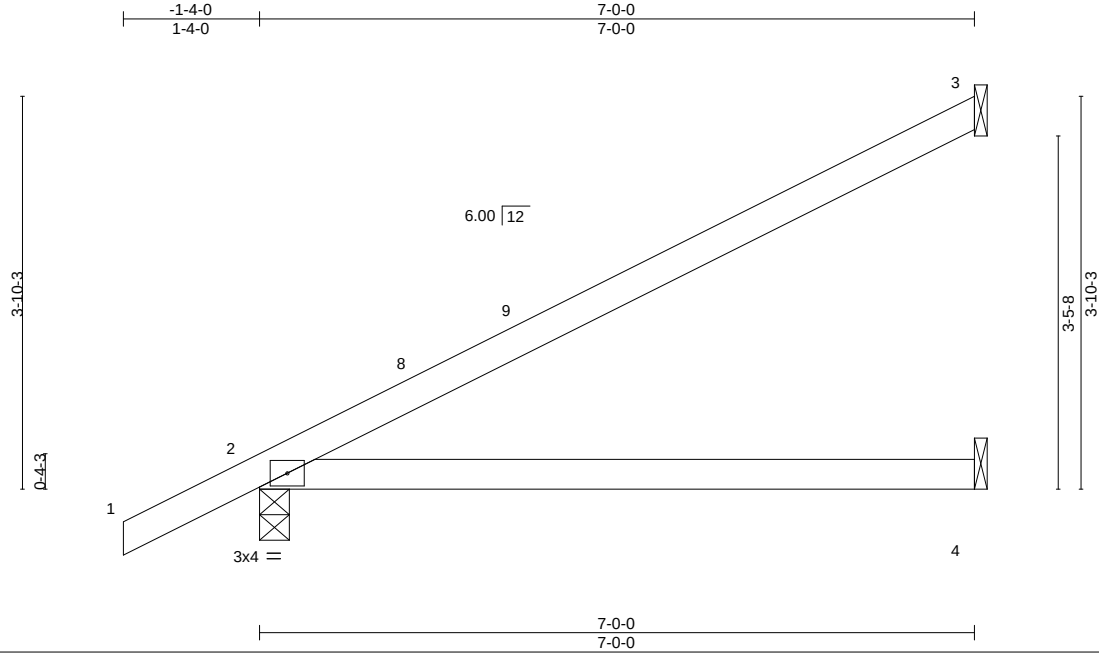
Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 12,2026

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425077
6260875	E7	Jack-Open	13	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:12 2026 Page 1
ID:KLI25CBHipj6qPyIO3?ZYfywBHM-BW532y6GNmNtcI3x4vj_rVMHRRRBC41kzaCkdKzc2Mf



Scale = 1:22.6

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 0.69	Vert(LL)	-0.09	4-7	>886	360	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.54	Vert(CT)	-0.23	4-7	>361	240	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	2	n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MP	Wind(LL)	0.11	4-7	>738	240	
								Weight: 24 lb	FT = 10%

LUMBER-

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

BRACING-

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

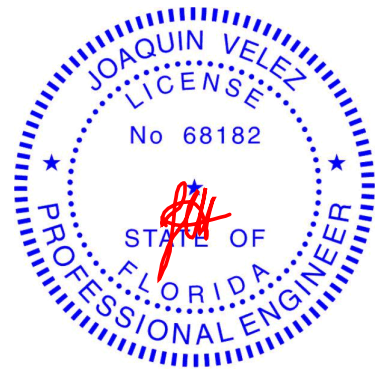
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=124(LC 12)
Max Uplift 3=-68(LC 12), 2=-52(LC 12)
Max Grav 3=181(LC 1), 2=365(LC 1), 4=129(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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

March 12,2026

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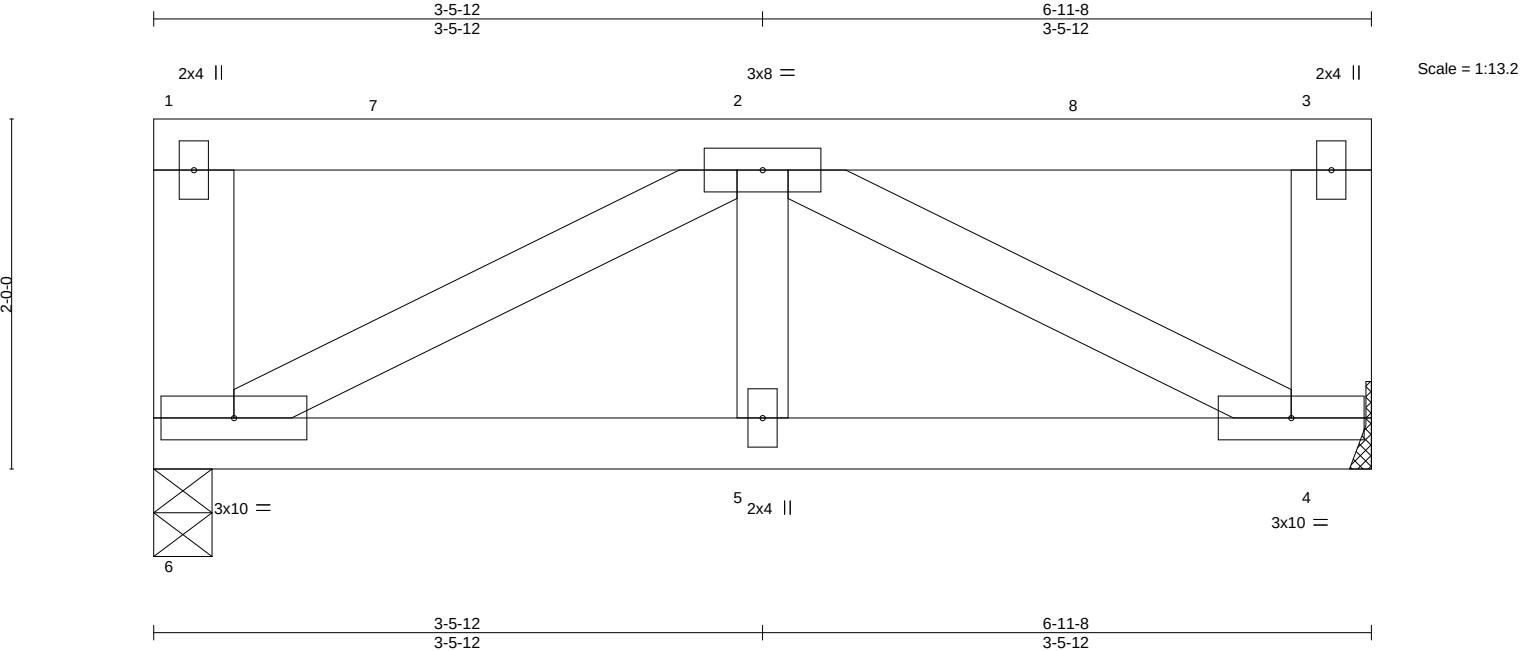
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425078
6260875	E7GR	MONOPITCH GIRDER	1	2	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:13 2026 Page 1
ID:KL125CBHipj6qPylO3?ZYfywBHM-fifSGI6u84VjESe8edEDNivP8rqWLU9uCEyH9mzc2Me



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 0.89	Vert(LL)	-0.01	5	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.34	Vert(CT)	-0.03	5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.20	Horz(CT)	0.01	4	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-MP	Wind(LL)	0.01	5	>999	Weight: 78 lb	FT = 10%

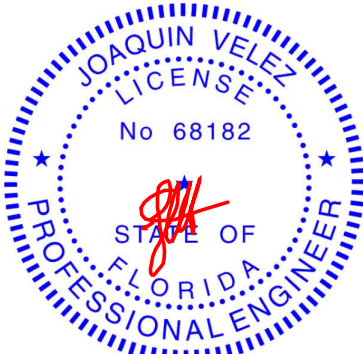
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* 1-6,3-4: 2x6 SP No.2	

REACTIONS. (size) 6=0-4-0, 4=Mechanical
Max Grav 6=2146(LC 1), 4=2018(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-720/88, 3-4=-592/0
BOT CHORD 5-6=0/2620, 4-5=0/2620
WEBS 2-6=-2960/0, 2-4=-2960/0

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-4-0 oc.
Bottom chords connected as follows: 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=140mph (3-second gust) Vasd=108mph; 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 0-2-12 to 3-2-12, Zone2 3-2-12 to 3-8-12, Zone3 3-8-12 to 6-8-12 zone;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.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1285 lb down and 38 lb up at 1-4-12, and 1179 lb down at 3-4-12, and 1179 lb down at 5-4-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.



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Date:

March 12,2026

Continued on page 2

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425078
6260875	E7GR	MONOPITCH GIRDER	1	2	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:13 2026 Page 2
ID:KLl25CBHipj6qPylO3?ZYfywBHM-fifSGl6u84VjESe8edEDNivP8rqWLU9uCEyH9mzc2Me

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-3=-60, 4-6=-20
- Concentrated Loads (lb)
- Vert: 2=-1179(B) 7=-1285 8=-1179(B)

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Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425079
6260875	E7T	Jack-Open	4	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:14 2026 Page 1
ID:KLI25CBHjp6qPylO3?ZYfywBHM-7vDqTe7WvNdarcDKBKmSwwRd1F5y4_X1RuhqhDzc2Md

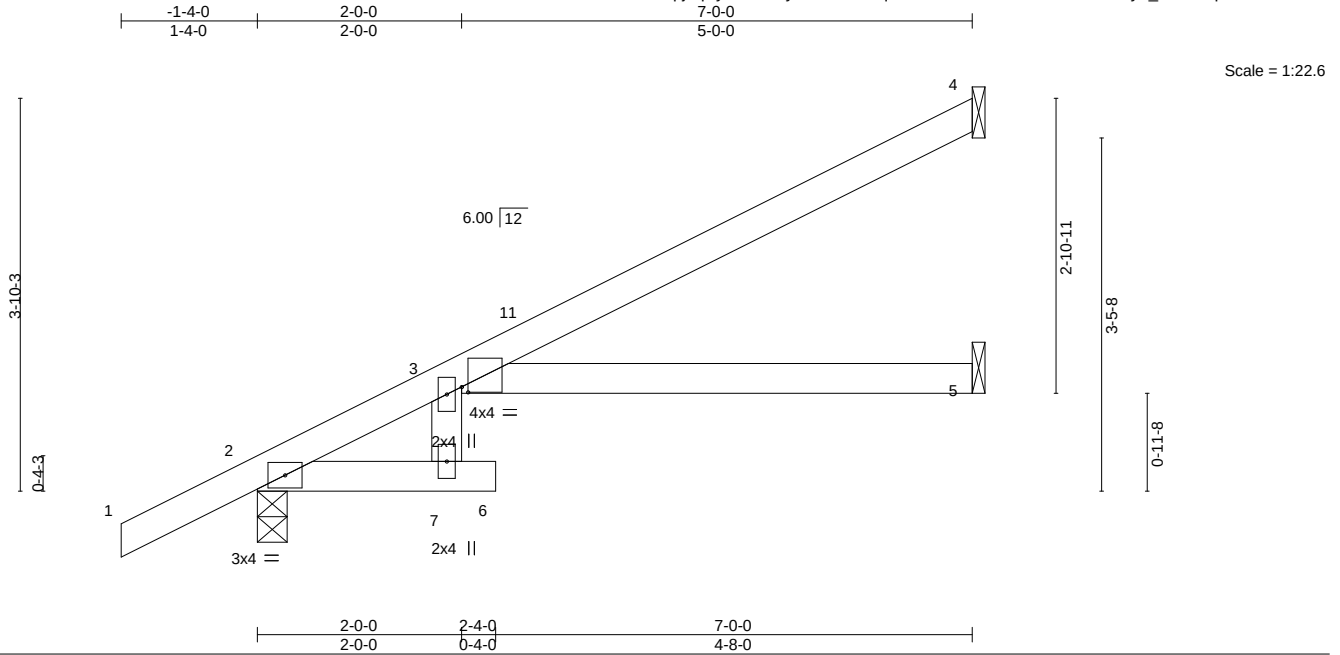


Plate Offsets (X,Y)--		[3:0-0-12,0-0-10]																	
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP							
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.13	6	>618	360	MT20	244/190							
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.28	6	>293	240									
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.12	5	n/a	n/a									
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MR		Wind(LL)	0.16	6	>519	240									
											Weight: 26 lb	FT = 10%							

LUMBER-

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

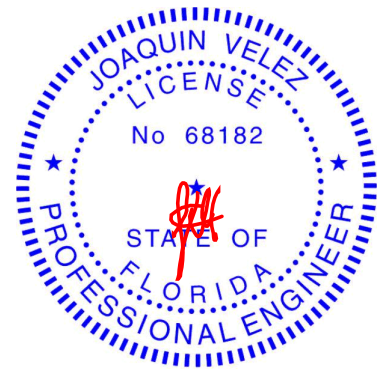
REACTIONS.

(size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=124(LC 12)
Max Uplift 4=-57(LC 12), 2=-48(LC 12)
Max Grav 4=171(LC 1), 2=372(LC 1), 5=127(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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 1-10-4, Zone1 1-10-4 to 6-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



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

March 12,2026

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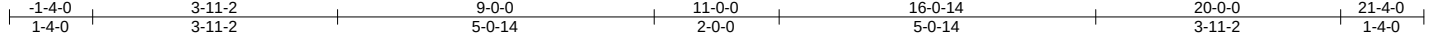
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425080
6260875	G01	Hip	1	1	Job Reference (optional)	

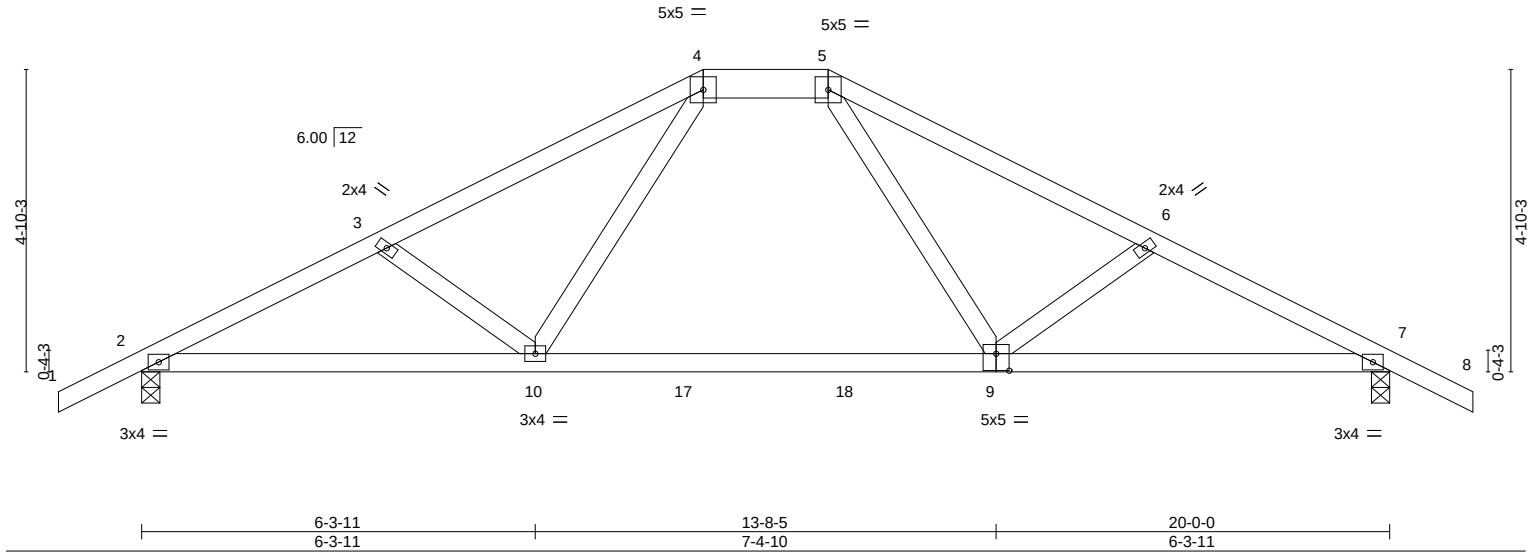
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:15 2026 Page 1

ID:KL125CBHipj6qPylO3?ZYfywBHM-b5nChz88fhIRTmoWl2HhT7_ofeQepPWBfYROEfzc2Mc



Scale = 1:36.9



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.15 9-10 >999 360	MT20		244/190	
Snow (Pf/Pg)	16.8/20.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.25 9-10 >971 240				
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.05 7 n/a n/a				
BCLL	0.0 *	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.03 10 >999 240				
BCDL	10.0							Weight: 93 lb		FT = 10%	

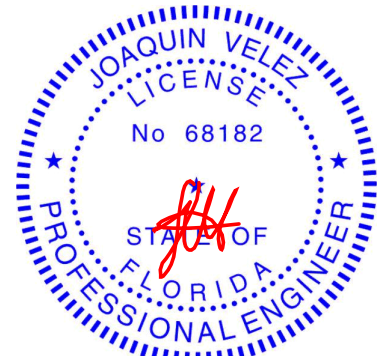
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 4-5: 2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-4-2 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=50(LC 20)
Max Uplift 2=-2(LC 16), 7=-2(LC 17)
Max Grav 2=1267(LC 41), 7=1267(LC 41)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2083/43, 3-4=-1757/27, 4-5=-1184/64, 5-6=-1757/27, 6-7=-2083/43
BOT CHORD 2-10=-7/1818, 9-10=0/1184, 7-9=0/1818
WEBS 3-10=-489/101, 4-10=0/592, 5-9=0/592, 6-9=-489/101

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=90mph (3-second gust) Vasd=70mph; TCDL=4.2psf; BCDL=6.0psf; h=11ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Roof design load is based on 20.0 psf ground snow load; normal terrain, exposure factor 0.7; and normal structure, importance factor 1.0.
- Unbalanced snow loads have been considered for this design.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.



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

March 12,2026

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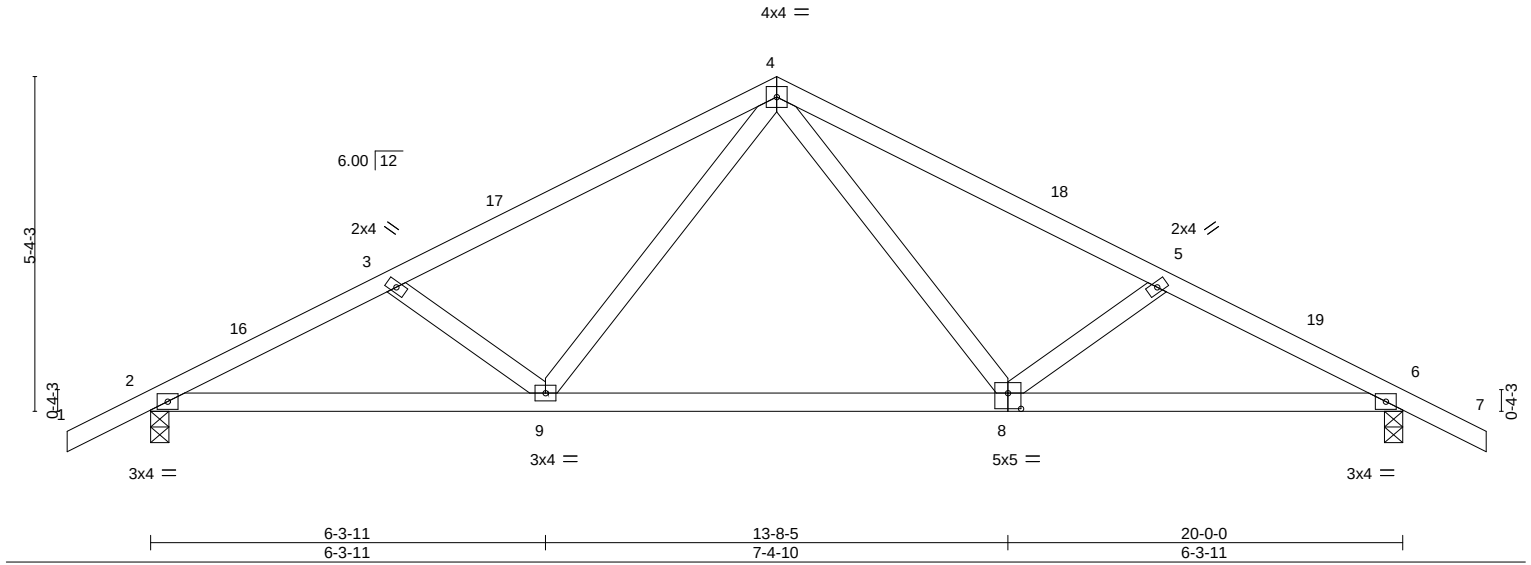
Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425081
6260875	G02	ROOF TRUSS	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:16 2026 Page 1
ID:KL125CBHij6qPyiO3?ZYfywBHM-4HLauJ9mQ?tl5wNjJlow?LX?p2pQYtRKuCAxm5zc2Mb

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

Scale = 1:36.8



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.07	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.17				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03				
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.04	Weight: 95 lb		FT = 10%	

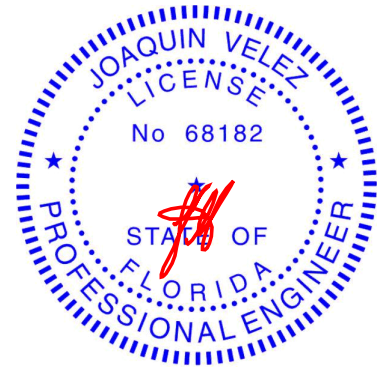
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-6-8 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-108(LC 10)
Max Uplift 2=-118(LC 12), 6=-118(LC 12)
Max Grav 2=880(LC 1), 6=880(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1480/297, 3-4=-1255/237, 4-5=-1255/237, 5-6=-1480/297
BOT CHORD 2-9=-199/1312, 8-9=-47/794, 6-8=-218/1312
WEBS 4-8=-34/449, 5-8=-353/190, 4-9=-34/449, 3-9=-353/190

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 10-0-0, Zone2 10-0-0 to 14-2-15, Zone1 14-2-15 to 21-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=118, 6=118.
- ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



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

March 12,2026

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425082
6260875	G02GE	Hip Supported Gable	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:17 2026 Page 1
ID:KLI25CBHipj6qPyIO3?ZYfywBHM-YUvy6f9OBI?9i3yvtTJ9YY3EtSGnHLbT7swVIYzc2Ma

-1-4-0

1-4-0

7-0-0

7-0-0

13-0-0

6-0-0

20-0-0

7-0-0

21-4-0

1-4-0

Scale = 1:36.9

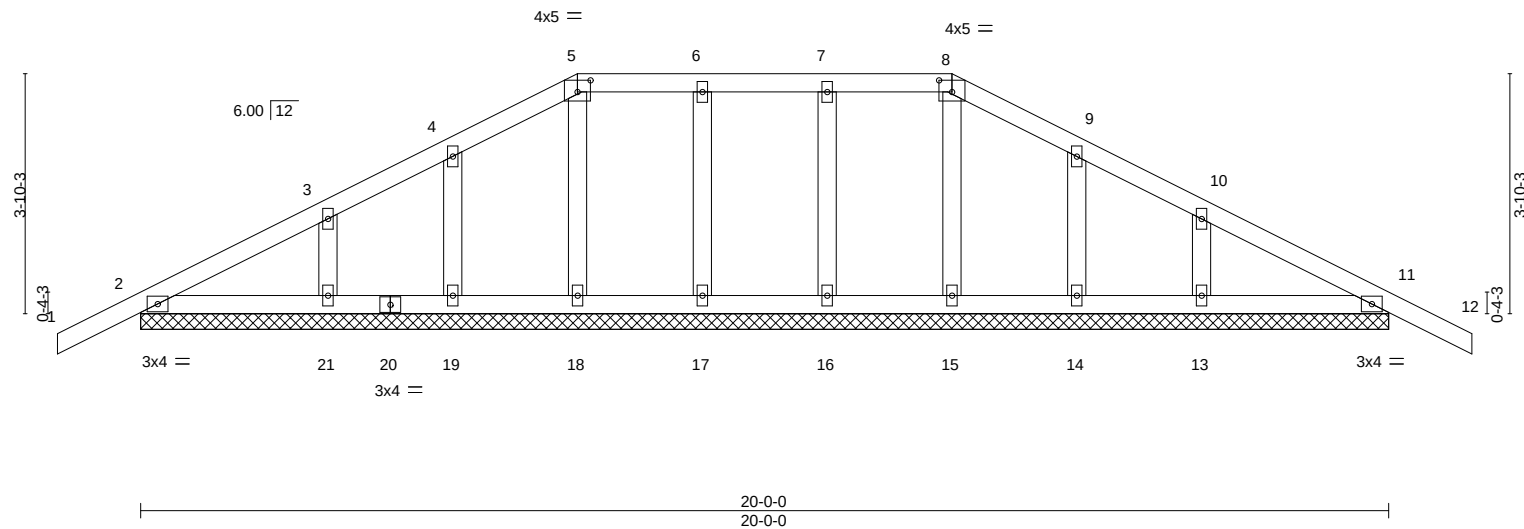


Plate Offsets (X,Y)-- [5:0-2-8,0-2-4], [8:0-2-8,0-2-4], [9:0-0-0,0-0-0], [10:0-0-0,0-0-0]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	-0.00 12 n/r 120	MT20	244/190
Snow (Pf/Pg)	16.8/20.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00 12 n/r 120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00 11 n/a n/a		
BCLL	0.0 *	Code	FBC2023/TPI2014	Matrix-S				Weight: 97 lb	FT = 10%
BCDL	10.0								

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

REACTIONS. All bearings 20-0-0.
 (lb) - Max Horz 2=-41(LC 17)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 17, 19, 21, 14, 13, 11
 Max Grav All reactions 250 lb or less at joint(s) 15, 16, 17, 18, 19, 14 except 2=321(LC 41), 21=309(LC 41), 13=308(LC 41), 11=321(LC 41)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-21=-251/68, 10-13=-251/68

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=90mph (3-second gust) Vasd=70mph; TCDL=4.2psf; BCDL=6.0psf; h=10ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Roof design load is based on 20.0 psf ground snow load; normal terrain, exposure factor 0.7; and normal structure, importance factor 1.0.
 - Unbalanced snow loads have been considered for this design.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 17, 19, 21, 14, 13, 11.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 11.

JOAQUIN VELEZ

LICENSE

No 68182

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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

March 12,2026

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

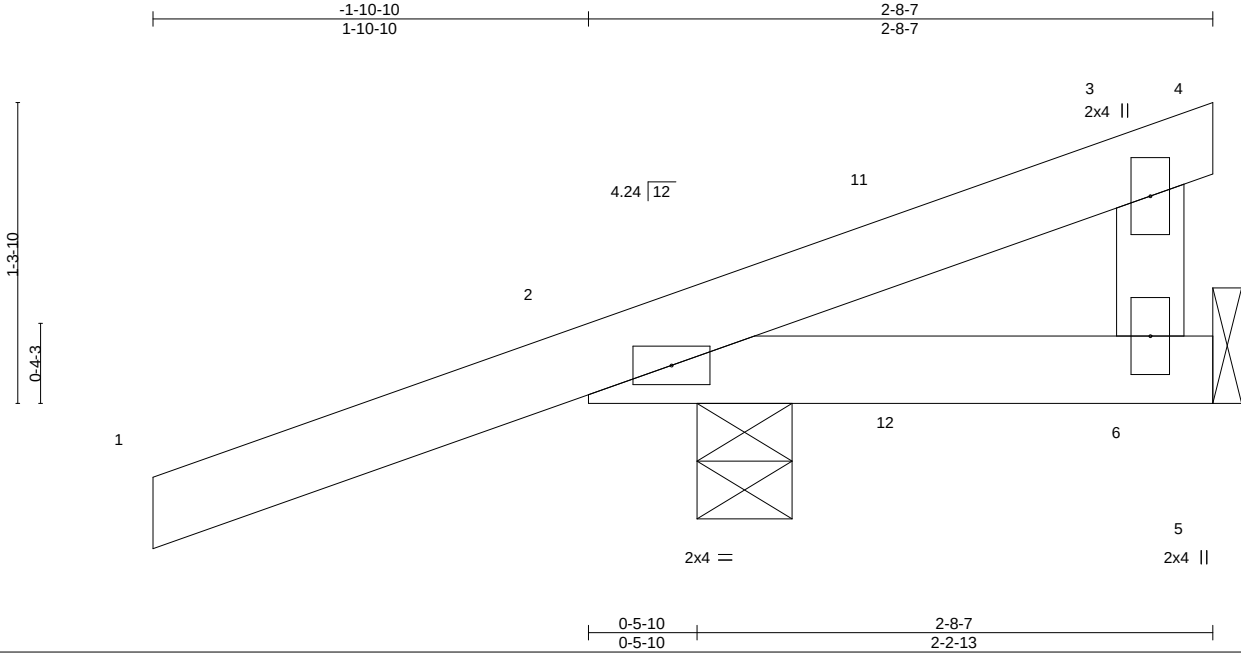
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425083
6260875	H2D	Diagonal Hip Girder	1	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:17 2026 Page 1
ID:KLI25CBHipj6qPyIO3?ZYfywBHM-YUvy6f9OBI?9i3yvtTJ9YY3CtSCsHLGT7swVIYzc2Ma



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.33	Vert(LL) -0.01	7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.31	Vert(CT) -0.02	7	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) -0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MP	Wind(LL) 0.01	7	>999	240		
							Weight: 12 lb	FT = 10%

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 2-8-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 6=Mechanical, 2=0-4-15
Max Horz 2=54(LC 8)
Max Uplift 6=-213(LC 23), 2=-228(LC 8)
Max Grav 6=126(LC 35), 2=293(LC 39)

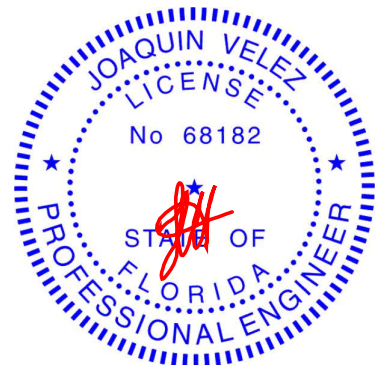
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; 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); cantilever left and right exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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) except (jt=lb) 6=213, 2=228.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 52 lb down and 121 lb up at 1-4-15, and 52 lb down and 121 lb up at 1-4-15 on top chord, and 56 lb down and 93 lb up at 1-4-15, and 56 lb down and 93 lb up at 1-4-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-20, 5-7=-20
Concentrated Loads (lb)
Vert: 11=84(F=42, B=42) 12=92(F=46, B=46)



Joaquin Velez PE No.68182
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 12,2026

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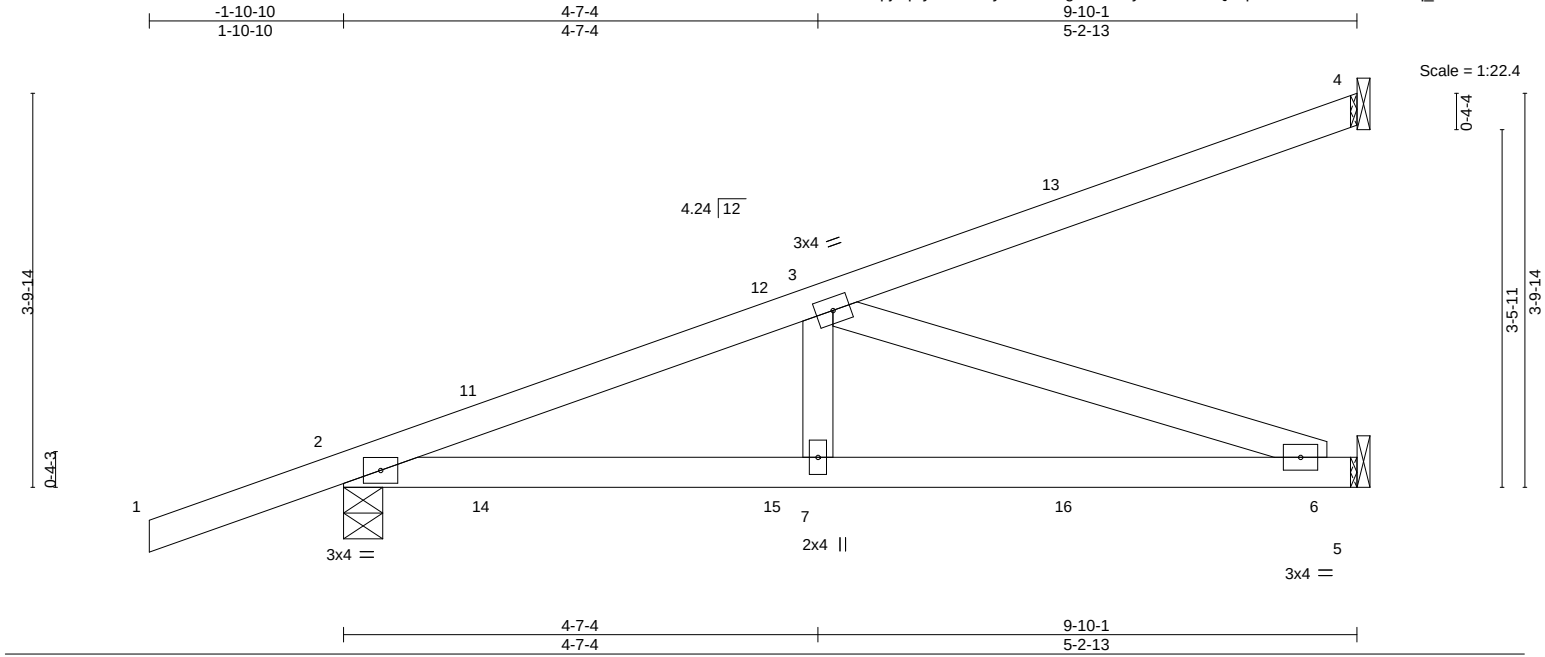
MiTek®

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425084
6260875	H7	Diagonal Hip Girder	2	1	Job Reference (optional)	

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

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:18 2026 Page 1
ID:KL125CBHij6qPyIO3?ZYfywBHM-0gTLJ?A1yc70KDW5QAqO4mcJxsTJ0iWdLWf2q_zc2MZ



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.63	Vert(LL) -0.05	6-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.62	Vert(CT) -0.12	6-7	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.38	Horz(CT) 0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS	Wind(LL) -0.02	7-10	>999	240	Weight: 43 lb	FT = 10%

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) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=124(LC 8)
Max Uplift 4=-64(LC 8), 2=-40(LC 8)
Max Grav 4=163(LC 1), 2=476(LC 31), 5=317(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-816/0
BOT CHORD 2-7=-45/745, 6-7=-45/745
WEBS 3-7=0/289, 3-6=-786/47

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 52 lb down and 59 lb up at 1-4-15, 52 lb down and 59 lb up at 1-4-15, 66 lb down and 39 lb up at 4-2-15, 66 lb down and 39 lb up at 4-2-15, and 98 lb down and 72 lb up at 7-0-14, and 98 lb down and 72 lb up at 7-0-14 on top chord, and 23 lb down and 14 lb up at 1-4-15, 23 lb down and 14 lb up at 1-4-15, 14 lb down at 4-2-15, 14 lb down at 4-2-15, and 36 lb down at 7-0-14, and 36 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

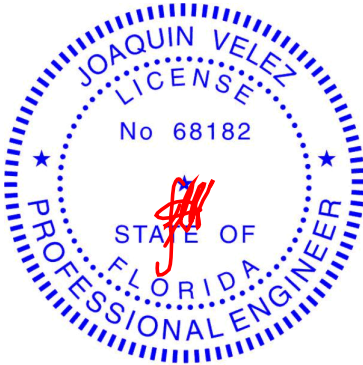
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-60, 5-8=-20

Concentrated Loads (lb)

Vert: 11=117(F=58, B=58) 13=-81(F=-40, B=-40) 15=-10(F=-5, B=-5) 16=-66(F=-33, B=-33)



Joaquin Velez PE No.68182
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Date:

March 12,2026

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

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425085
6260875	H7T	Diagonal Hip Girder	1	1	Job Reference (optional)	

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

Ocala, FL - 34472,

8.830 s Jan 22 2026 MiTek Industries, Inc. Wed Mar 11 09:38:19 2026 Page 1

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-1-10-10

1-10-10

3-7-12

3-7-12

4-5-0

0-9-4

9-10-1

5-5-1

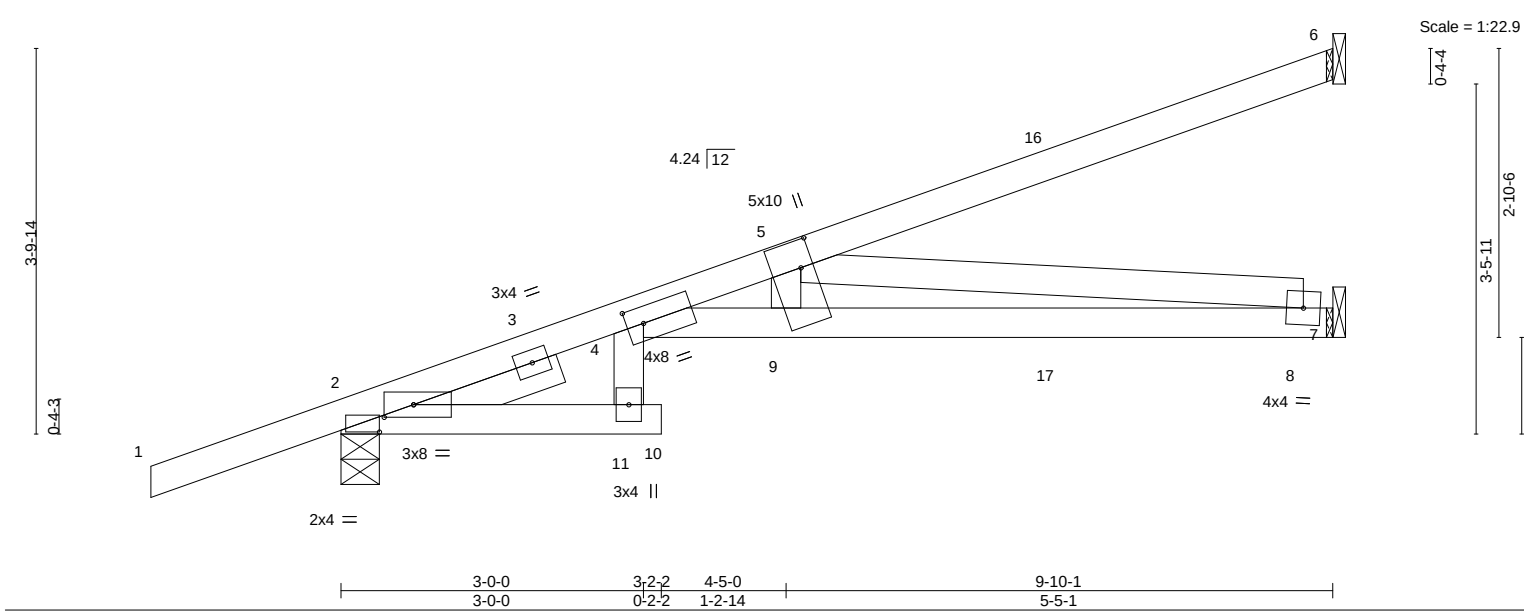


Plate Offsets (X,Y)--		[2:0-3-8,0-1-8], [2:0-4-1,0-3-4], [4:0-2-0,0-1-15], [5:0-3-4,0-1-8]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.75		Vert(LL)	-0.14 10	>850	360	MT20	244/190
TCDL 10.0		Lumber DOL	1.25	BC 0.55		Vert(CT)	-0.33 10	>346	240		
BCLL 0.0 *		Rep Stress Incr	NO	WB 0.93		Horz(CT)	0.14 7	n/a	n/a		
BCDL 10.0		Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.08 10	>999	240	Weight: 45 lb	FT = 10%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP M 31 or 2x4 SP SS	TOP CHORD	Structural wood sheathing directly applied or 4-4-8 oc purlins.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		
SLIDER	Left 2x4 SP No.2 1-6-0		

REACTIONS. (size) 6=Mechanical, 2=0-4-9, 7=Mechanical
Max Horz 2=125(LC 8)
Max Uplift 6=-52(LC 8), 2=-32(LC 8)
Max Grav 6=166(LC 1), 2=496(LC 1), 7=321(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-13=-603/0, 4-5=-1909/0
BOT CHORD 4-11=0/311, 4-9=-22/1873, 8-9=-17/1885
WEBS 5-9=0/408, 5-8=-1900/17

- NOTES-**
- Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 32 lb down and 58 lb up at 1-4-15, 32 lb down and 58 lb up at 1-4-15, 17 lb down and 27 lb up at 4-2-15, 17 lb down and 27 lb up at 4-2-15, and 36 lb down and 60 lb up at 7-0-14, and 36 lb down and 60 lb up at 7-1-15 on top chord, and 9 lb up at 1-4-15, 9 lb up at 1-4-15, 22 lb down at 4-2-15, 22 lb down at 4-2-15, and 50 lb down at 7-0-14, and 50 lb down at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

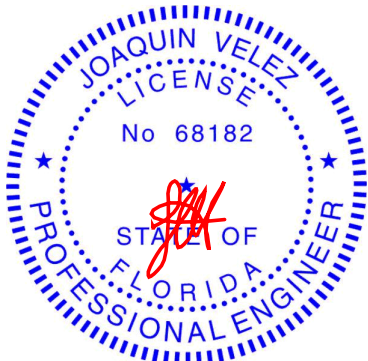
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

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

Concentrated Loads (lb)

Vert: 5=-2(F=-1, B=-1) 9=-43(F=-22, B=-22) 13=117(F=58, B=58) 16=-57(F=-28, B=-28) 17=-100(F=-50, B=-50)

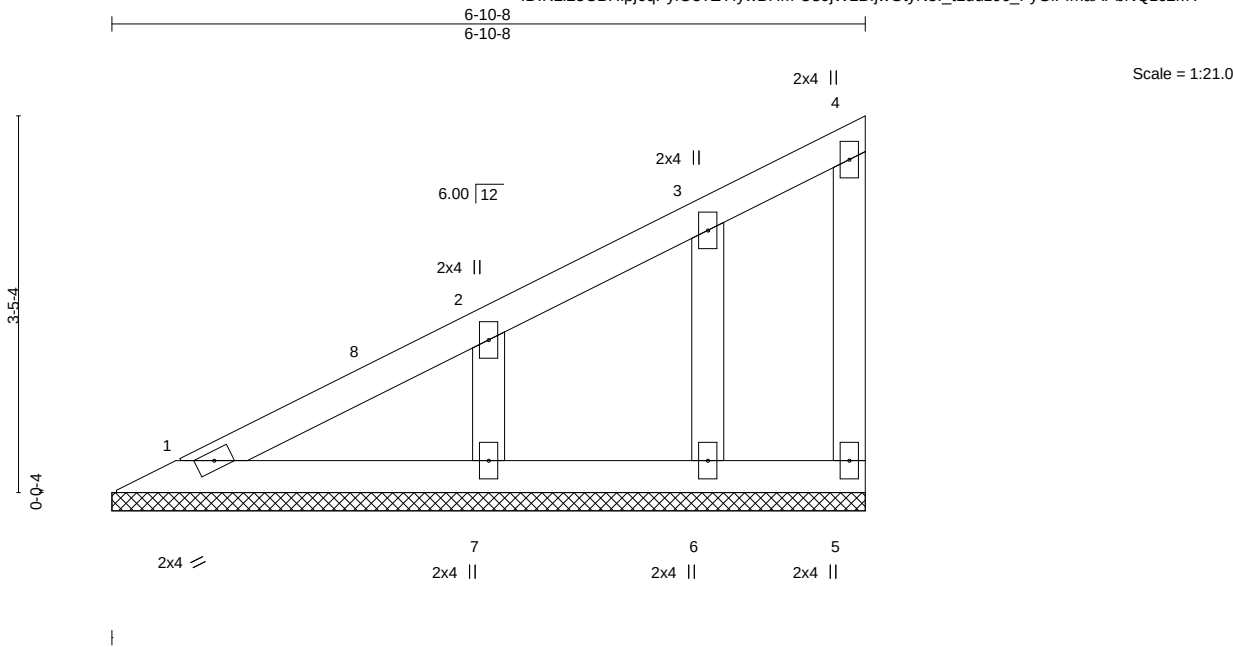


Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 12,2026

Job	Truss	Truss Type	Qty	Ply	2200-B-Tray	T40425086
6260875	V2	GABLE	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
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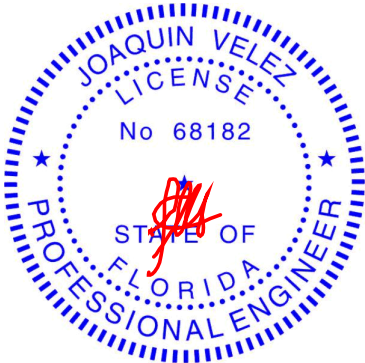
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.10	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.06	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.03	Horz(CT)	0.00	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P					Weight: 30 lb	FT = 10%
	Code FBC2023/TPI2014							

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

REACTIONS. All bearings 6-10-8.
 (lb) - Max Horz 1=85(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 5, 7, 6
 Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7, 6

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=140mph (3-second gust) Vasd=108mph; 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 0-7-9 to 3-5-4, Zone1 3-5-4 to 6-8-12 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 7, 6.



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

March 12,2026

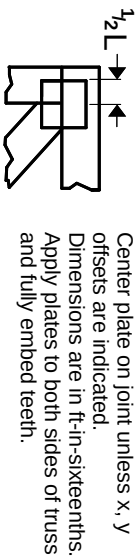
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

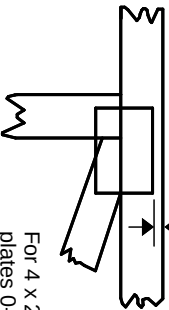
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Symbols

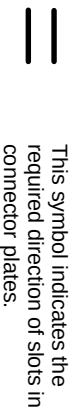
PLATE LOCATION AND ORIENTATION



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



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



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

PLATE SIZE

4 X 4

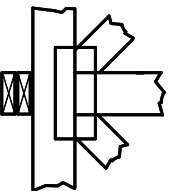
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

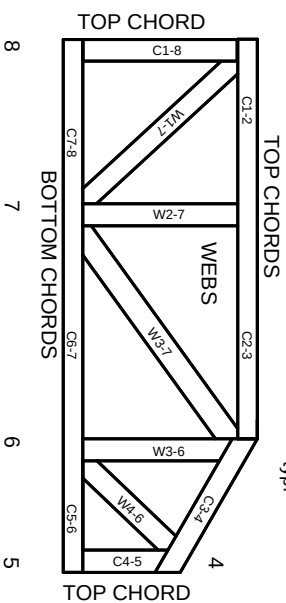
Industry Standards:

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

Numbering System

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

1 2 3 Joint ID typ.



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

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

Product Code Approvals

ICC-ES Reports:

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

Design General Notes

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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