



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

RE: 6250753 - 1635-CR-14x10 Lanai

MiTek, Inc.

16023 Swingley Ridge Rd.

Chesterfield, MO 63017

Model: 1635-CR-14x10 Lanai

Site Information:

Customer Info: Adams Homes-Gainesville

Project Name: The Preserve at Laurel Lake, 088

Lot/Block: 088

Subdivision: The Preserve at Laurel Lake

Address: 311 SW Silver Palm Dr , ,

City: Lake City

State: FL

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

Name:

License #:

Address:

City:

State:

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

Design Code: FBC2023/TPI2014

Design Program: MiTek 20/20 8.8

Wind Code: ASCE 7-22

Wind Speed: 130 mph

Roof Load: 40.0 psf

Floor Load: N/A psf

This package includes 42 individual, Truss Design Drawings and 0 Additional Drawings.

With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T36800844	A01	3/26/25	23	T36800866	C5V	3/26/25
2	T36800845	A02	3/26/25	24	T36800867	C5X	3/26/25
3	T36800846	A03	3/26/25	25	T36800868	D01X	3/26/25
4	T36800847	A04	3/26/25	26	T36800869	E1	3/26/25
5	T36800848	A05	3/26/25	27	T36800870	E5L	3/26/25
6	T36800849	A06	3/26/25	28	T36800871	E7	3/26/25
7	T36800850	A07	3/26/25	29	T36800872	E7T	3/26/25
8	T36800851	A08	3/26/25	30	T36800873	E7X	3/26/25
9	T36800852	A09	3/26/25	31	T36800874	F01	3/26/25
10	T36800853	A10	3/26/25	32	T36800875	F01X	3/26/25
11	T36800854	A11	3/26/25	33	T36800876	H5L	3/26/25
12	T36800855	B01	3/26/25	34	T36800877	H7	3/26/25
13	T36800856	B01X	3/26/25	35	T36800878	H7V	3/26/25
14	T36800857	B02	3/26/25	36	T36800879	J1	3/26/25
15	T36800858	B03	3/26/25	37	T36800880	J2	3/26/25
16	T36800859	C1	3/26/25	38	T36800881	L01	3/26/25
17	T36800860	C1L	3/26/25	39	T36800882	L02	3/26/25
18	T36800861	C1V	3/26/25	40	T36800883	LV1	3/26/25
19	T36800862	C3	3/26/25	41	T36800884	LV2	3/26/25
20	T36800863	C3L	3/26/25	42	T36800885	LV3	3/26/25
21	T36800864	C3V	3/26/25				
22	T36800865	C5	3/26/25				

APPROVED

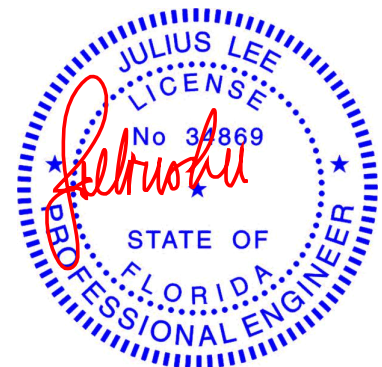
By troy crews at 8:30 am, Apr 25, 2025

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

Truss Design Engineer's Name: Lee, Julius

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

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



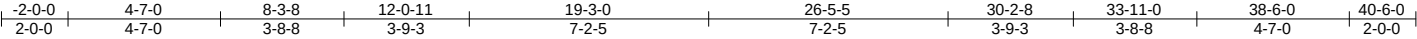
Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 27, 2025

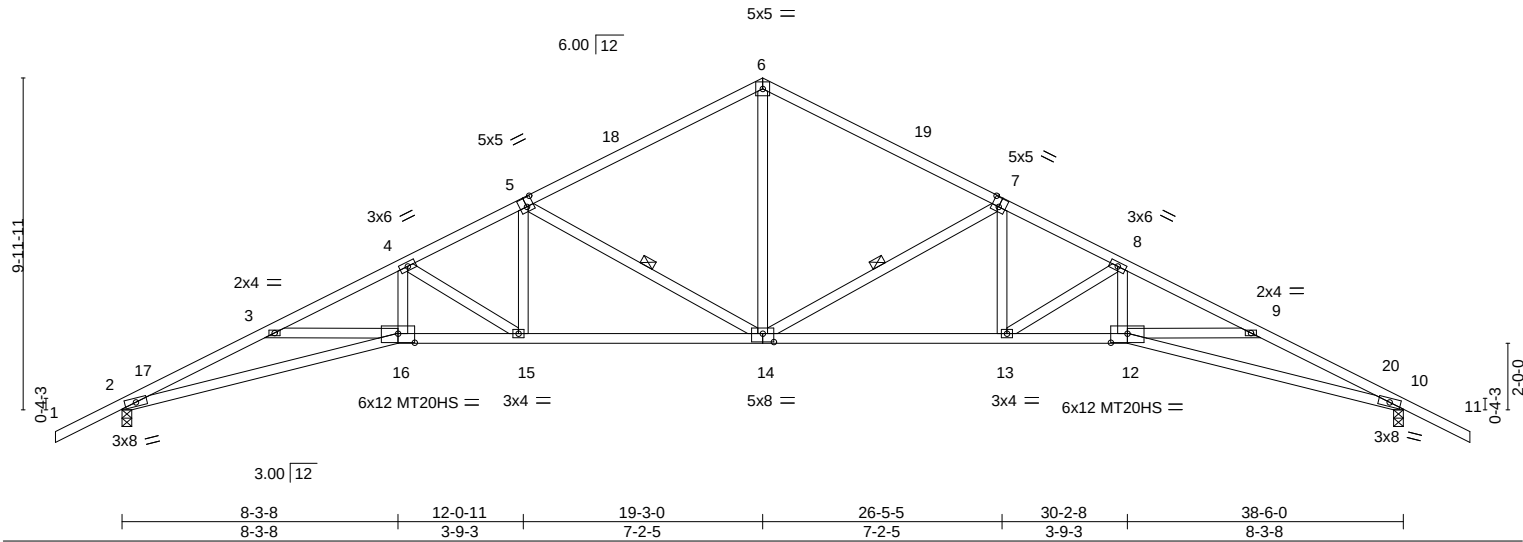
Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800844
6250753	A01	Roof Special	8	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:11:54 2025 Page 1
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Scale = 1:69.2



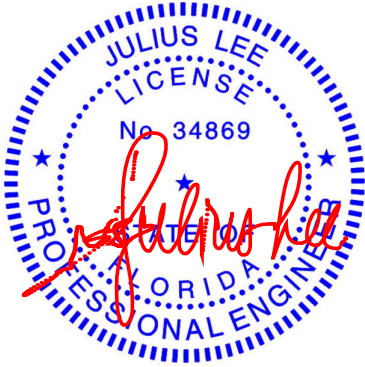
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	-0.45 14 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.94 13-14 >485 240	MT20HS		187/143	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.63 10 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.25 14 >999 240				
								Weight: 205 lb		FT = 20%	

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

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=175(LC 11)
Max Uplift 2=-127(LC 12), 10=-127(LC 12)
Max Grav 2=1657(LC 1), 10=1657(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5205/364, 3-4=-4989/261, 4-5=-3500/248, 5-6=-2248/225, 6-7=-2248/220,
7-8=-3500/256, 8-9=-4989/278, 9-10=-5205/379
BOT CHORD 2-16=-266/4681, 15-16=-111/4345, 14-15=-62/3099, 13-14=-86/3099, 12-13=-141/4345,
10-12=-296/4681
WEBS 6-14=-40/1507, 7-14=-1356/155, 7-13=0/881, 8-13=-1458/65, 8-12=-3/1242,
5-14=-1356/150, 5-15=0/881, 4-15=-1458/57, 4-16=0/1242

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-3-0, Zone2 19-3-0 to 23-5-15, Zone1 23-5-15 to 40-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are 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) 2, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=127, 10=127.



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16023 Swingle Ridge Rd. Chesterfield, MO 63017
Date:

March 27,2025

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

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

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800845
6250753	A02	Hip	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:11:55 2025 Page 1

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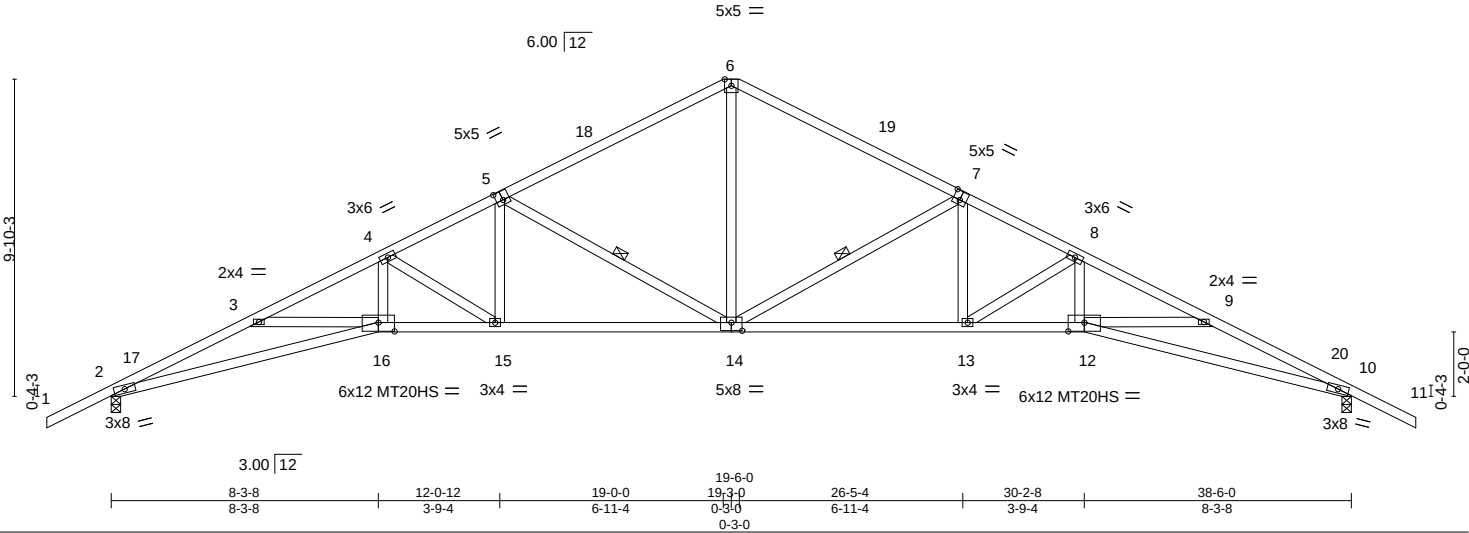
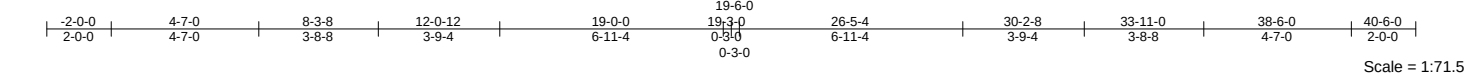


Plate Offsets (X,Y)--	[5:0-2-8,0-3-4], [7:0-2-8,0-3-4], [12:0-6-0,0-3-4], [14:0-4-0,0-3-0], [16:0-6-0,0-3-4]
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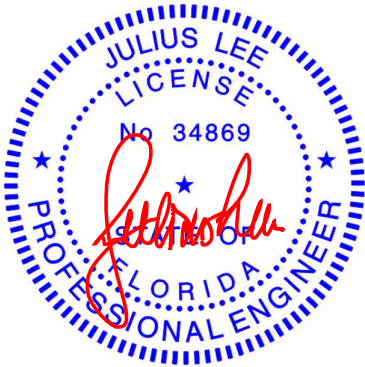
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.98	Vert(LL)	-0.45	14	>999	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.97	Vert(CT)	-0.94	13-14	>485	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.45	Horz(CT)	0.63	10	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL)	0.25	14	>999		
							Weight: 204 lb	FT = 20%

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

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-175(LC 10)
Max Uplift 2=-127(LC 12), 10=-127(LC 12)
Max Grav 2=1657(LC 1), 10=1657(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5205/332, 3-4=-4989/229, 4-5=-3499/220, 5-6=-2248/196, 6-7=-2248/192,
7-8=-3499/225, 8-9=-4989/242, 9-10=-5205/344
BOT CHORD 2-16=-240/4681, 15-16=-86/4345, 14-15=-39/3099, 13-14=-57/3099, 12-13=-110/4345,
10-12=-264/4681
WEBS 4-16=0/1242, 4-15=-1459/57, 5-15=0/881, 5-14=-1356/135, 7-14=-1356/139, 7-13=0/881,
8-13=-1459/63, 8-12=0/1242, 6-14=-33/1507

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-3-0, Zone2 19-3-0 to 23-5-15, Zone1 23-5-15 to 40-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are 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) 2, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=127, 10=127.



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Date:

March 27,2025

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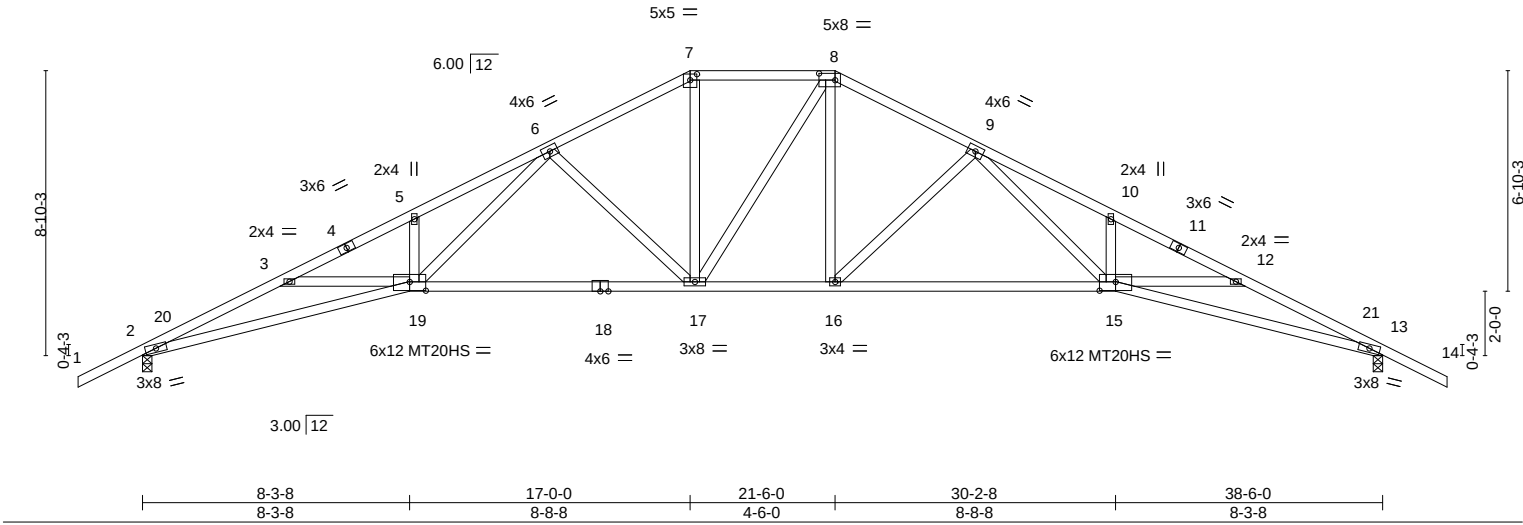
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800846
6250753	A03	Hip	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:11:56 2025 Page 1
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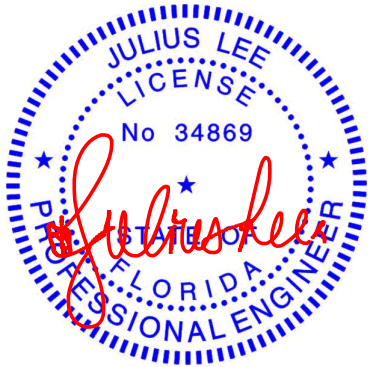
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.44 15-16 >999 360	MT20	244/190		
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.99 15-16 >463 240	MT20HS	187/143		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.57 13 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.25 15-16 >999 240	Weight: 211 lb		FT = 20%	

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

REACTIONS.	
(size)	2=0-3-8, 13=0-3-8
Max Horz	2=156(LC 11)
Max Uplift	2=-127(LC 12), 13=-127(LC 12)
Max Grav	2=1657(LC 1), 13=1657(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-5129/372, 3-5=-4921/280, 5-6=-4932/338, 6-7=-2510/230, 7-8=-2205/229, 8-9=-2508/234, 9-10=-4932/350, 10-12=-4922/292, 12-13=-5130/383
BOT CHORD	2-19=-276/4607, 17-19=-76/2913, 16-17=0/2204, 15-16=-94/2912, 13-15=-299/4612
WEBS	5-19=-250/102, 6-19=-83/2094, 6-17=-1012/142, 7-17=-19/842, 8-16=-22/841, 9-16=-1013/144, 9-15=-90/2095, 10-15=-250/102

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-0-0, Zone3 17-0-0 to 21-6-0, Zone2 21-6-0 to 25-10-4, Zone1 25-10-4 to 40-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 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) 2, 13 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=127, 13=127.



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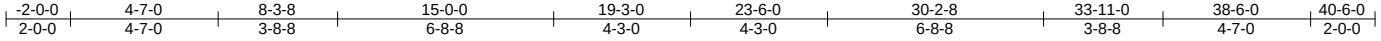
MiTek®

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800847
6250753	A04	HIP	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:11:56 2025 Page 1
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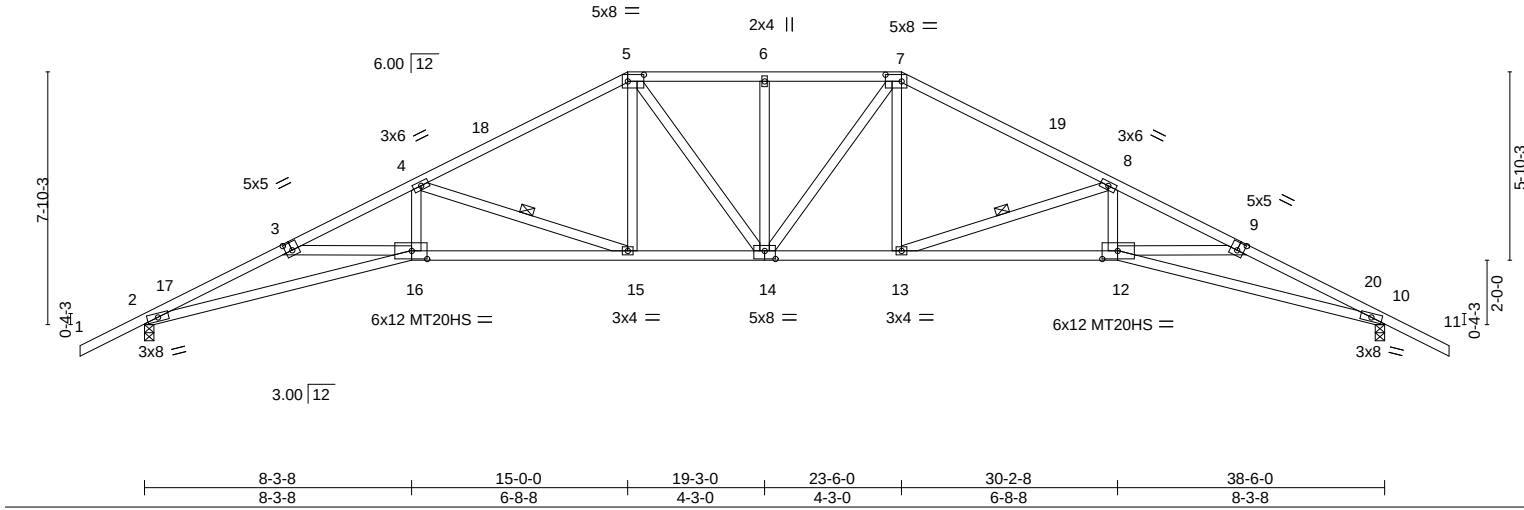


Plate Offsets (X,Y)--	[3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8], [9:0-2-8,0-3-0], [12:0-5-12,0-3-0], [14:0-4-0,0-3-0], [16:0-5-12,0-3-0]
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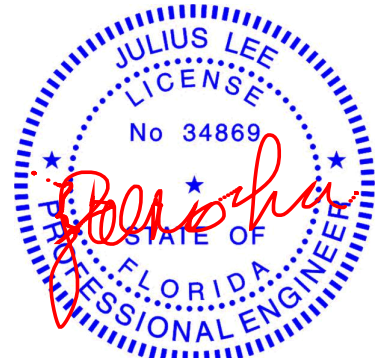
LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.69	Vert(LL)	-0.41	14	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.60	Vert(CT)	-0.84	15-16	>549	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.49	Horz(CT)	0.58	10	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.23	14	>999	Weight: 208 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 3-5,7-9: 2x4 SP M 31 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 4-15, 8-13

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-140(LC 10)
Max Uplift 2=-127(LC 12), 10=-127(LC 12)
Max Grav 2=1657(LC 1), 10=1657(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5186/356, 3-4=-5044/305, 4-5=-2879/225, 5-6=-2615/247, 6-7=-2615/247,
7-8=-2879/228, 8-9=-5044/318, 9-10=-5186/368
BOT CHORD 2-16=-260/4661, 15-16=-163/4415, 14-15=-10/2511, 13-14=-20/2511, 12-13=-187/4415,
10-12=-284/4661
WEBS 4-16=0/1269, 4-15=-2030/169, 5-15=0/786, 5-14=-32/334, 7-14=-32/334, 7-13=0/786,
8-13=-2030/176, 8-12=0/1269

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 15-0-0, Zone2 15-0-0 to 19-3-0, Zone1 19-3-0 to 23-6-0, Zone2 23-6-0 to 27-8-15, Zone1 27-8-15 to 40-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 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) 2, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=127, 10=127.



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

March 27,2025

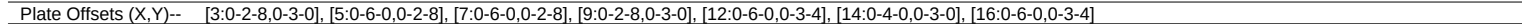
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:11:57 2025 Page 1
ID:Xuq6PrCqXRW3EgUAFmrdpzaMli-M6jAWM9EFQvtyARTC276Z_R9NiQy0T?KpShnrLx2zQg
| 2-0-0 | 4-6-15 | 8-3-8 | 13-0-0 | 19-3-0 | 25-6-0 | 30-2-8 | 33-11-1 | 38-6-0 | 40-6-0 |
| 2-0-0 | 4-6-15 | 3-8-9 | 4-8-8 | 6-3-0 | 6-3-0 | 4-8-8 | 3-8-9 | 4-6-15 | 2-0-0 |
Scale = 1:71.5

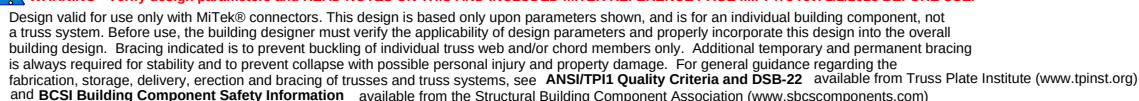


LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 1-4-12 oc bracing.
	2-16,10-12: 2x4 SP M 31 or 2x4 SP SS		
WEBS	2x4 SP No.2		

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

TOP CHORD	2-3=-5208/369, 3-4=-5005/295, 4-5=-3239/236, 5-6=-3235/266, 6-7=-3238/267, 7-8=-3239/242, 8-9=-5004/308, 9-10=-5208/381
BOT CHORD	2-16=-271/4684, 15-16=-148/4367, 14-15=-38/2869, 13-14=-49/2869, 12-13=-172/4367, 10-12=-296/4684
WEBS	4-16=0/1257, 4-15=-1691/130, 5-15=0/850, 5-14=-44/604, 6-14=-419/123, 7-14=-45/607, 7-13=0/851, 8-13=-1691/137, 8-12=0/1257

March 27, 2025



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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800849
6250753	A06	Hip	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),		Ocala, FL - 34472,		8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:11:58 2025 Page 1						
ID:Xuq6PrCqXRW3EqUAFmRddpzaMli-qlHYjAs0j1kZJ0fleL5BzKe8nClwuT26QLNnzX2qF										
2-0-0	6-4-12	11-0-0	15-8-0	20-4-0	23-11-0	27-6-0	30-2-8	33-11-1	38-6-0	40-6-0
2-0-0	6-4-12	4-7-4	4-8-0	4-8-0	3-7-0	3-7-0	2-8-8	3-8-9	4-6-15	2-0-0

Scale = 1:70.4

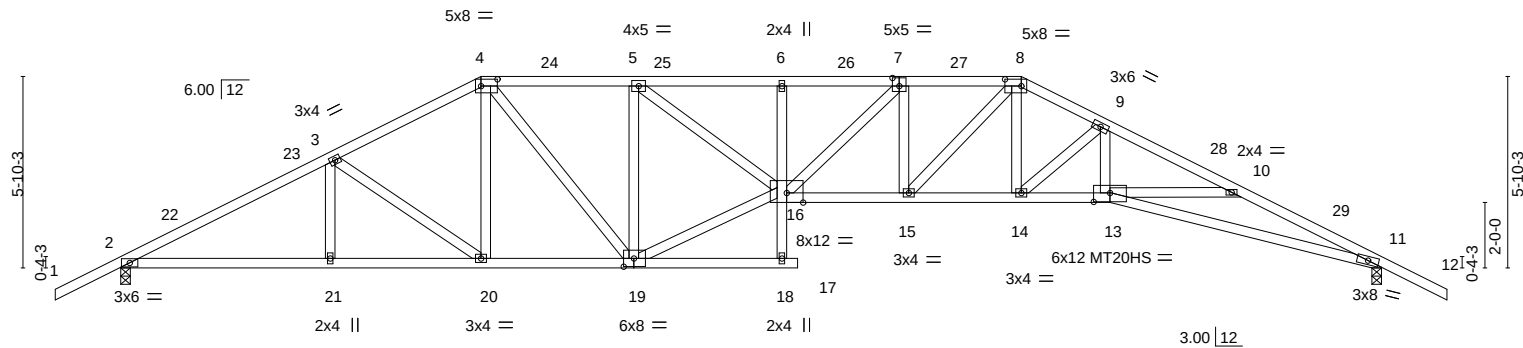


Plate Offsets (X,Y)--	[4:0-6-0,0-2-8], [7:0-2-8,0-3-0], [8:0-6-0,0-2-8], [13:0-6-0,0-3-4], [19:0-3-12,0-3-0]
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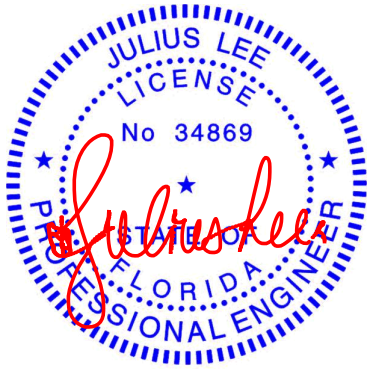
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.66	Vert(LL)	-0.43 17	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.94	Vert(CT)	-0.86 15-16	>535	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.81	Horz(CT)	0.45 11	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL)	0.24 17	>999	240		
							Weight: 224 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
11-13: 2x4 SP M 31 or 2x4 SP SS	2-2-0 oc bracing: 13-14.
WEBS 2x4 SP No.2	10-0-0 oc bracing: 16-18

REACTIONS.	(size) 2=0-3-8, 11=0-3-8
	Max Horz 2=118(LC 11)
	Max Uplift 2=124(LC 12), 11=124(LC 12)
	Max Grav 2=1662(LC 1), 11=1662(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2896/219, 3-4=-2458/229, 4-5=-2550/251, 5-6=-4064/297, 6-7=-4088/296, 7-8=-3859/282, 8-9=-3729/275, 9-10=-5020/311, 10-11=-5220/410
BOT CHORD	2-21=-112/2496, 20-21=-112/2496, 19-20=-46/2141, 15-16=-115/3876, 14-15=-87/3337, 13-14=-171/4376, 11-13=-324/4693
WEBS	3-20=-446/83, 4-20=0/365, 4-19=-53/717, 5-19=-1495/136, 16-19=-88/2701, 5-16=-59/1927, 7-16=-15/382, 7-15=-489/92, 8-15=-59/822, 8-14=-51/958, 9-14=-1404/112, 9-13=-2/1246

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-10-3, Zone1 1-10-3 to 11-0-0, Zone2 11-0-0 to 16-5-5, Zone1 16-5-5 to 27-6-0, Zone2 27-6-0 to 32-11-5, Zone1 32-11-5 to 40-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 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=124, 11=124.



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

March 27,2025

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai
6250753	A08	Hip Girder	1	3	T36800851

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

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:00 2025 Page 2

ID:Xuq6PrCqXRW3EgUAfMrddpzaMli-mhPI8OB7YlHSpdA2tAhpBc2e5ySDDtYmVQvRRgzX2qD

- NOTES-**
- 10) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=244, 12=386.
- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 389 lb down and 224 lb up at 7-0-0, 105 lb down and 62 lb up at 9-0-12, 105 lb down and 62 lb up at 11-0-12, 105 lb down and 62 lb up at 13-0-12, 105 lb down and 62 lb up at 15-0-12, 105 lb down and 62 lb up at 17-0-12, 123 lb down and 83 lb up at 19-0-12, 123 lb down and 83 lb up at 19-5-4, 144 lb down and 95 lb up at 21-5-4, 144 lb down and 95 lb up at 23-5-4, 144 lb down and 95 lb up at 25-5-4, 144 lb down and 95 lb up at 27-5-4, and 144 lb down and 95 lb up at 29-5-4, and 163 lb down and 100 lb up at 31-6-0 on top chord, and 314 lb down at 7-1-12, 81 lb down at 9-0-12, 81 lb down at 11-0-12, 81 lb down at 13-0-12, 81 lb down at 15-0-12, 81 lb down at 17-0-12, 96 lb down at 19-0-12, 96 lb down at 19-5-4, 96 lb down at 21-5-4, 96 lb down at 23-5-4, 96 lb down at 25-5-4, 96 lb down at 27-5-4, and 96 lb down at 29-5-4, and 362 lb down and 132 lb up at 31-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-4=-60, 4-10=-60, 10-13=-60, 2-25=-20, 22-24=-20, 20-21=-20, 19-20=-20, 18-19=-20, 14-17=-20, 12-14=-20
- Concentrated Loads (lb)
- Vert: 4=-342(B) 5=-101(B) 10=-144(B) 26=-270(B) 23=-73(B) 9=-144(B) 15=-48(B) 28=-101(B) 30=-101(B) 31=-101(B) 32=-101(B) 33=-123(B) 34=-123(B) 35=-144(B) 36=-144(B) 37=-144(B) 38=-144(B) 39=-73(B) 40=-73(B) 41=-73(B) 42=-73(B) 43=-48(B) 44=-48(B) 45=-48(B) 46=-48(B) 47=-48(B) 48=-48(B) 49=-362(B)

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

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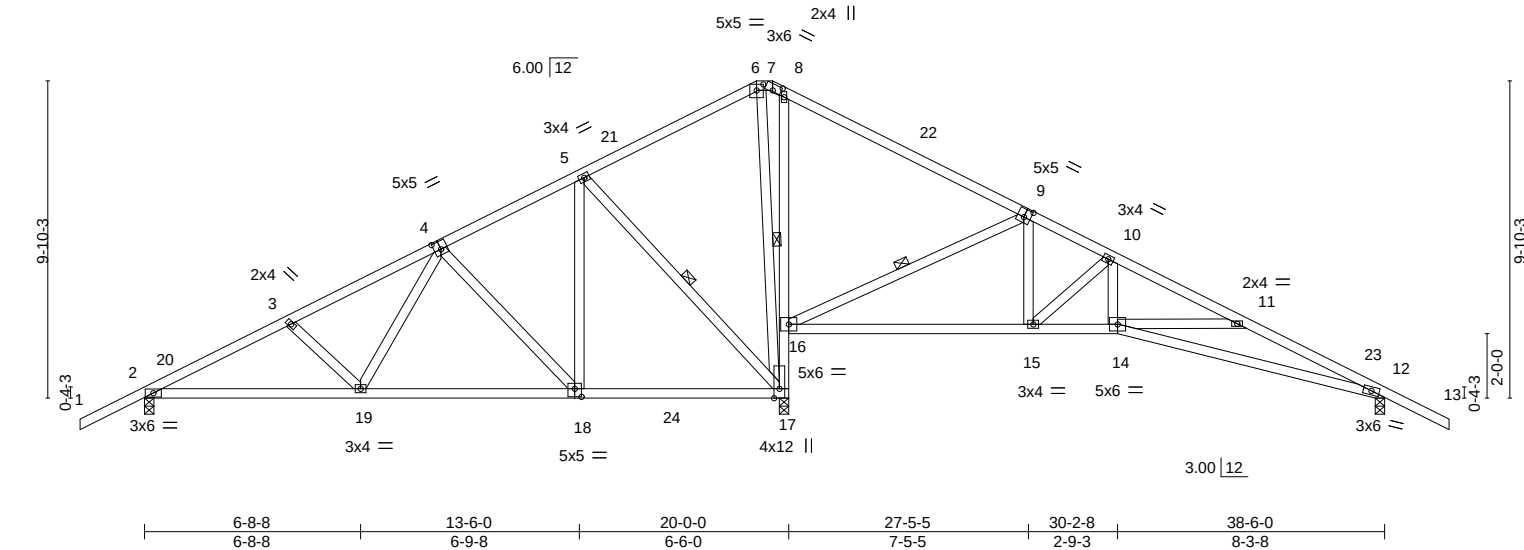
Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800852
6250753	A09	Hip	4	1	Job Reference (optional)	

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

8.830 s Mar 11 2025
MiTek Industries, Inc.
Wed Mar 26 13:12:01 2025
Page 1
ID:Xuq6PrCqXRW3EgUAFMrddpzaMli-EtzgLkClJePJQnkERuC2jqbsXMqfyObwk4f?_6zX2qC

-2-0-0
2-0-0
4-6-9
4-6-9
9-2-7
4-7-14
13-6-0
4-3-9
19-0-0
5-6-0
19-6-0
0-6-0
27-5-5
7-5-5
30-2-8
2-9-3
33-11-0
3-8-8
38-6-0
4-7-0
40-6-0
2-0-0

Scale = 1:71.5



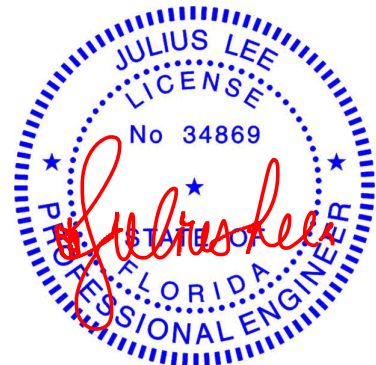
LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.62	Vert(LL)	-0.18 12-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.89	Vert(CT)	-0.39 12-14	>573	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.36	Horz(CT)	-0.04 12	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.06 14	>999	240	Weight: 230 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-11-3 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	4-8-2 oc bracing: 16-17.
	WEBS 1 Row at midpt 5-17, 6-17, 9-16

REACTIONS. (size) 2=0-3-8, 12=0-3-8, 17=0-3-8
Max Horz 2=173(LC 11)
Max Uplift 2=-156(LC 12), 12=-158(LC 12)
Max Grav 2=907(LC 17), 12=887(LC 18), 17=1856(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1316/224, 3-4=-1157/214, 4-5=-578/233, 5-6=-85/277, 6-7=-94/254, 7-8=-152/283, 8-9=-73/313, 9-10=-1007/258, 10-11=-1706/266, 11-12=-2106/365
BOT CHORD 2-19=-129/1215, 18-19=-79/846, 17-18=-30/501, 16-17=-1177/155, 8-16=-587/140, 15-16=-87/854, 14-15=-130/1416, 12-14=-283/1907
WEBS 4-19=0/446, 4-18=-502/71, 5-18=0/665, 5-17=-909/99, 9-16=-1133/126, 9-15=0/657, 10-15=-723/58, 10-14=-14/647, 11-14=-360/132

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-0-0, Zone3 19-0-0 to 19-6-0, Zone2 19-6-0 to 23-8-15, Zone1 23-8-15 to 40-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=156, 12=158.



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

March 27,2025

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Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:02 2025 Page 1
 ID:Xuq6PrCqXRW3EgUAFmRdpdaMii-i4W3Z4DN4yXA2xJQ_bjHG18lRmDYhg33zkOYWZzX2qB
 2-0-0 4-6-9 9-2-8 13-6-0 19-3-0 26-3-0 30-4-8 34-0-15 38-6-0 40-6-0
 2-0-0 4-6-9 4-7-14 4-3-8 5-9-0 7-0-8 4-1-0 3-8-7 4-5-1 2-0-0



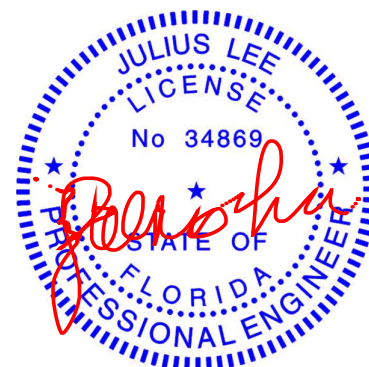
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-11-7 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 5-15, 6-15, 6-13

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

TOP CHORD	2-3=-960/109, 3-4=-798/98, 5-6=0/625, 6-7=0/698, 7-8=-16/697, 9-10=-541/57
BOT CHORD	2-17=-24/912, 16-17=0/527, 13-14=-735/109, 7-13=-401/172, 10-12=-6/457
WEBS	4-17=0/467, 4-16=-510/68, 5-16=0/629, 5-15=-883/114, 6-15=-799/36, 13-15=-543/151, 8-13=-573/3, 8-12=0/355, 9-12=-442/143

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-3-0, Zone2 19-3-0 to 23-5-15, Zone1 23-5-15 to 40-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) 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, with BCDL = 10.0psf.
- 6) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Bearing mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 10, 15 except (it=lb) 2=105.



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

March 27, 2025



WARNING – verify design parameters and READ NOTES on this and INCLUDED MITER REFERENCE PAGE MIF-74/3 (rev. 3/2/2023) BEFORE USE.

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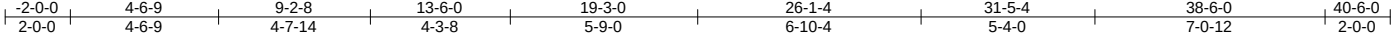
MiTek[®]
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800856
6250753	B01X	GABLE	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:03 2025 Page 1

ID: Xuq6PrCqXRW3EgUaFMrddpzaMli-BG4RmQE?rGg1g5udYJEWoFgD39b0QIHDCO862?zX2qA



Scale = 1:70.7

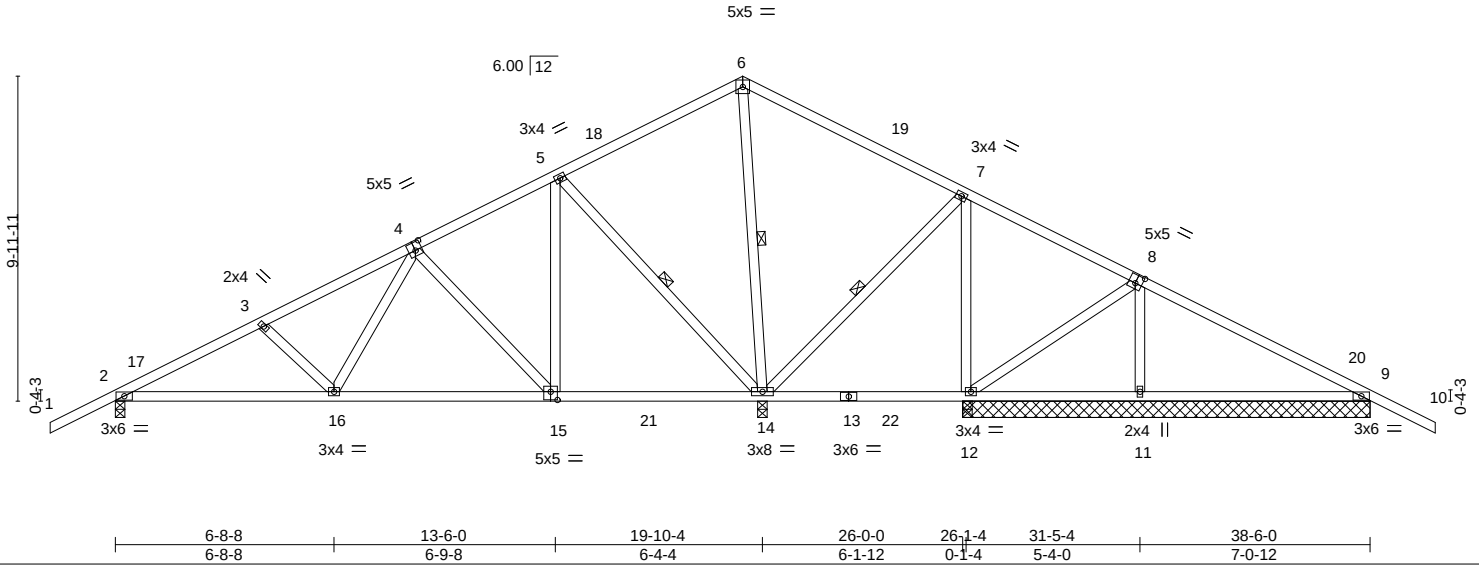


Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [8:0-2-8,0-3-0], [15:0-2-8,0-3-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.55	Vert(LL)	-0.07 9-11	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.45	Vert(CT)	-0.15 9-11	>567	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.35	Horz(CT)	0.02 14	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.02 15-16	>999	240	Weight: 222 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-11-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 6-14, 7-14

REACTIONS.

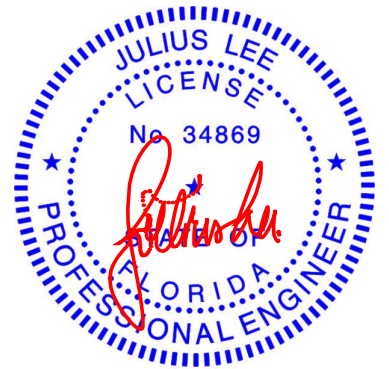
All bearings 12-6-0 except (jt=length) 2=0-3-8, 14=0-3-8.
(lb) - Max Horz 2=175(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 12, 9
Max Grav All reactions 250 lb or less at joint(s) except 2=767(LC 17), 14=1880(LC 17), 12=367(LC 26), 12=263(LC 1), 11=433(LC 26), 9=384(LC 24)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-988/79, 3-4=-818/68, 5-6=0/575, 6-7=0/622, 7-8=0/341
BOT CHORD 2-16=0/955, 15-16=0/572
WEBS 4-16=0/465, 4-15=-510/69, 5-15=0/629, 5-14=-882/113, 6-14=-772/56, 7-14=-320/94, 8-11=-273/65

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-3-0, Zone2 19-3-0 to 23-5-15, Zone1 23-5-15 to 40-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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, 14, 12, 9.



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

March 27,2025

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/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)

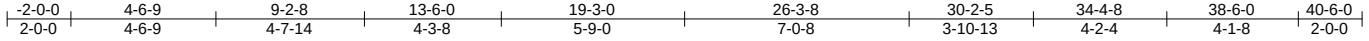
MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800857
6250753	B02	Roof Special	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:04 2025 Page 1
ID:Xuq6PrCqXRW3EgUAFMrddpzaMli-fSep_IEdcZoulETp60IILSDN?ZyJ9IUMQ2faRzX2q9



Scale = 1:72.3

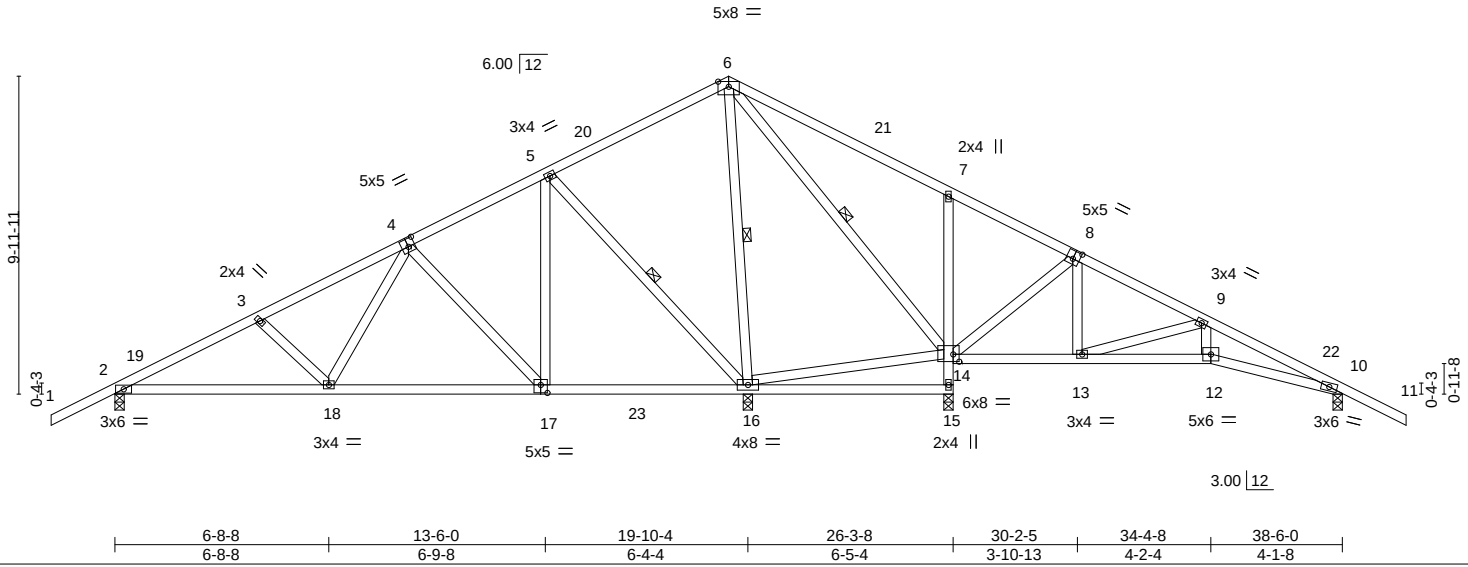


Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [8:0-2-8,0-3-0], [14:0-2-4,0-2-12], [17:0-2-8,0-3-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25		TC 0.60	Vert(LL)	-0.05	2-18	>999	360	MT20 244/190
TCDL 10.0	Lumber DOL 1.25		BC 0.45	Vert(CT)	-0.10	2-18	>999	240	
BCLL 0.0 *	Rep Stress Incr YES		WB 0.35	Horz(CT)	0.02	10	n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.02	17-18	>999	240	
								Weight: 239 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-11-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-16, 6-16, 6-14

REACTIONS.

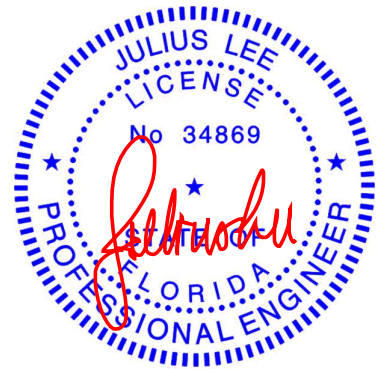
All bearings 0-3-8.
(lb) - Max Horz 2=175(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 15, 10, 16 except 2=109(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=745(LC 17), 15=897(LC 24), 10=419(LC 24), 16=1742(LC 17)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-961/118, 3-4=-799/107, 5-6=0/624, 6-7=0/720, 7-8=0/708, 8-9=-20/296, 9-10=-506/0
BOT CHORD 2-18=-32/913, 17-18=0/528, 14-15=-842/133, 7-14=-393/171, 12-13=0/371, 10-12=0/416
WEBS 4-18=0/467, 4-17=-510/68, 5-17=0/629, 5-16=-883/114, 6-16=-777/37, 14-16=-504/125, 8-14=-504/26, 8-13=0/323, 9-13=-555/47

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-3-0, Zone2 19-3-0 to 23-5-15, Zone1 23-5-15 to 40-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 10, 16 except (jt=lb) 2=109.



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

March 27,2025

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

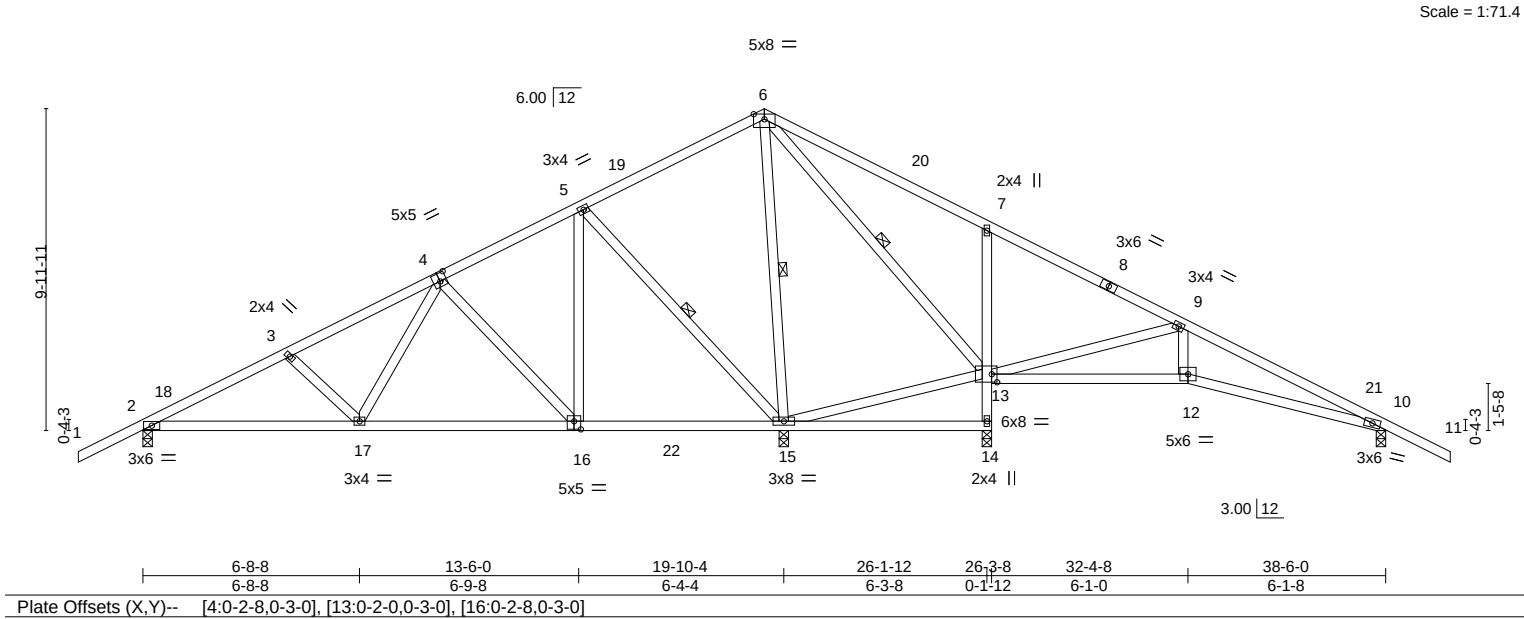
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800858
6250753	B03	Roof Special	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:04 2025 Page 1
ID: Xuq6PrCqXRW3EgUafMrddpzaMli-fSep_IEdcZoulETp60ILLSDNcZyJ9iIMQ2faRzX2q9



LOADING (psf)	SPACING-		CSL	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.63	Vert(LL)	-0.05	2-17	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.45	Vert(CT)	-0.10	2-17	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.56	Horz(CT)	0.02	10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.02	16-17	>999	240	Weight: 231 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-11-5 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	10-0-0 oc bracing: 2-17,16-17.
	WEBS 1 Row at midpt 5-15, 6-15, 6-13

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=175(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 14, 10, 15 except 2=108(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=742(LC 17), 14=853(LC 24), 10=432(LC 24), 15=1792(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-958/116, 3-4=-795/105, 5-6=0/629, 6-7=0/714, 7-9=-8/714, 9-10=-383/52
BOT CHORD 2-17=-30/909, 16-17=0/524, 13-14=-799/116, 7-13=-433/183, 12-13=-29/250, 10-12=-33/291
WEBS 4-17=0/467, 4-16=-510/68, 5-16=0/629, 5-15=-883/114, 6-15=-790/35, 13-15=-509/149, 9-13=-816/61, 9-12=0/288

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-3-0, Zone2 19-3-0 to 23-5-15, Zone1 23-5-15 to 40-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 10, 15 except (jt=lb) 2=108.



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

March 27,2025

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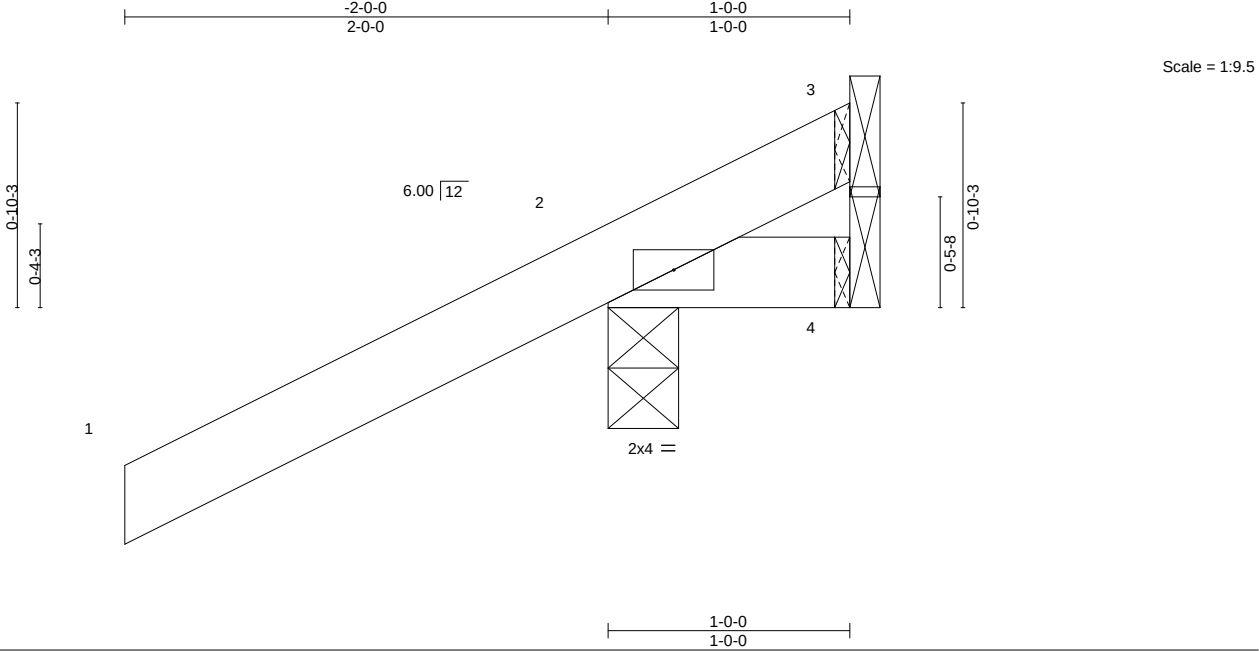
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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800859
6250753	C1	Corner Jack	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:05 2025 Page 1
ID:Xuq6PrCqXRW3EgUAFMrddpzaMli-7fCBB5FFNtwlvO2?gjG_ugmdlzOMuHFVfidC7tzX2q8



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 0.28	Vert(LL) -0.00 2	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.01	Vert(CT) -0.00 2	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00 3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL) 0.00 2	****	240	Weight: 7 lb	FT = 20%

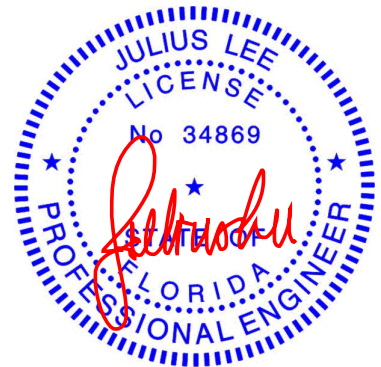
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=48(LC 12)
Max Uplift 3=-100(LC 1), 2=-133(LC 12)
Max Grav 3=67(LC 12), 2=289(LC 1), 4=19(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=100, 2=133.



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

March 27,2025

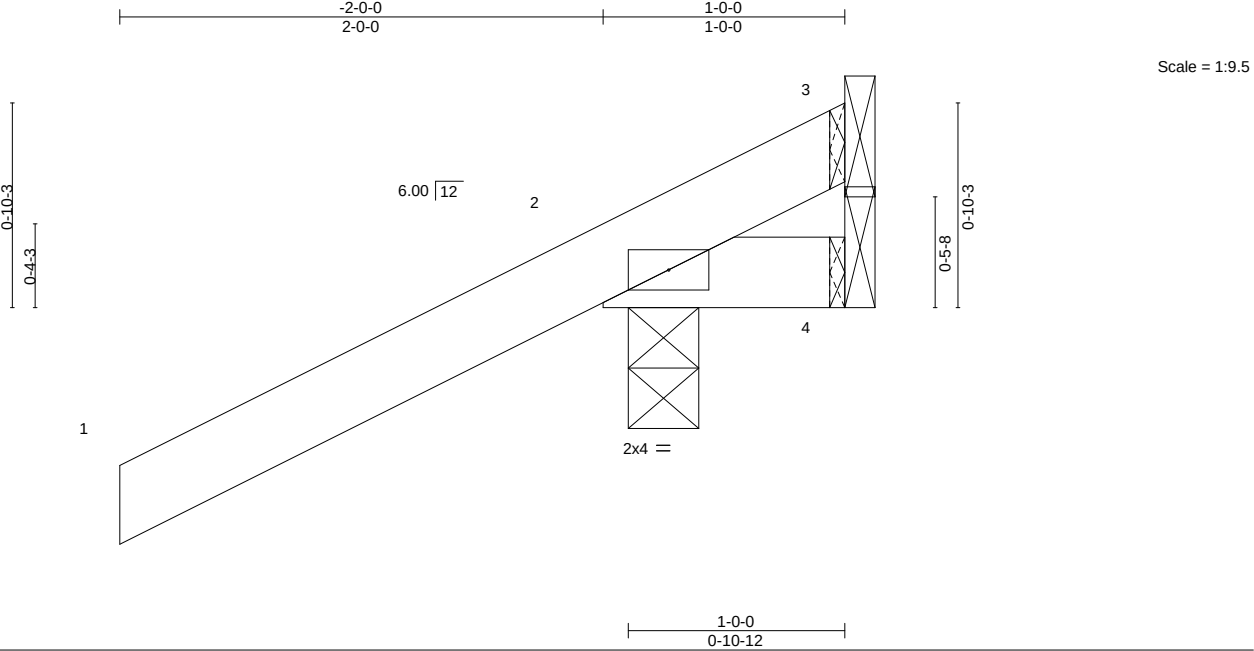
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800860
6250753	C1L	Corner Jack	4	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:05 2025 Page 1
ID:Xuq6PrCqXRW3EgUAFMrddpzaMli-7fCBB5FFNtwlvO2?gjG_ugmdlzOMuHFVfidC7tzX2q8



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 0.28	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.01	Vert(CT)	-0.00	2	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00	2	>999	240	Weight: 7 lb	FT = 20%

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

REACTIONS.	(size) 3=Mechanical, 4=Mechanical, 2=0-3-8
	Max Horz 2=48(LC 12)
	Max Uplift 3=-100(LC 1), 4=-2(LC 8), 2=-142(LC 12)
	Max Grav 3=67(LC 12), 4=19(LC 3), 2=289(LC 1)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=100, 2=142.

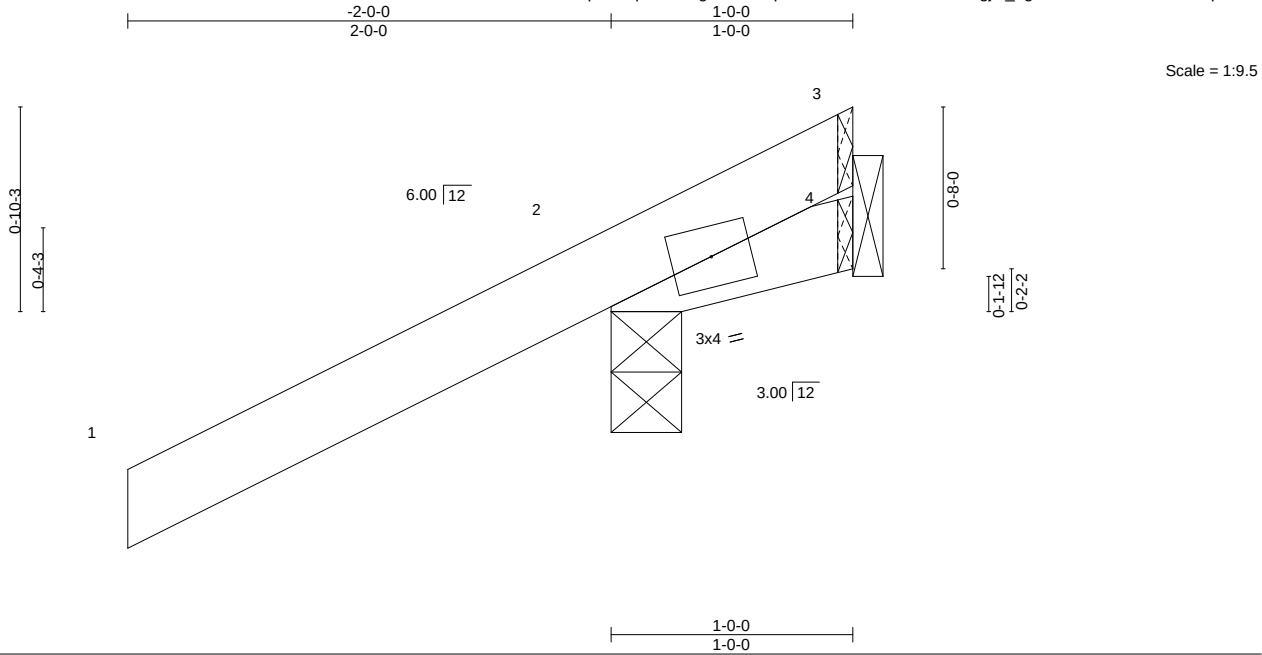


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Date:

March 27,2025

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800861
6250753	C1V	Corner Jack	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:05 2025 Page 1
ID:Xuq6PrCqXRW3EgUAfMrddpzaMli-7fCBB5FFNtwlvO2?gjG_ugmdtzLPuHFVfidC7tzX2q8



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 0.28	Vert(LL)	0.00	2	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.20	Vert(CT)	0.00	2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P						Weight: 7 lb	FT = 20%

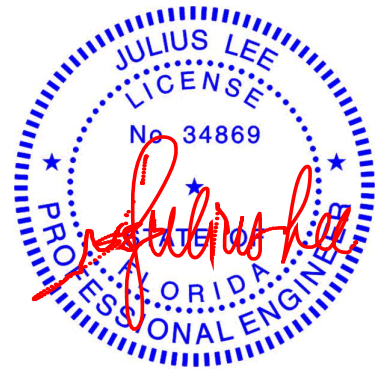
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 4=Mechanical
Max Horz 2=81(LC 12)
Max Uplift 2=-218(LC 12), 4=-90(LC 1)
Max Grav 2=289(LC 1), 4=93(LC 12)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=218.



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

March 27,2025

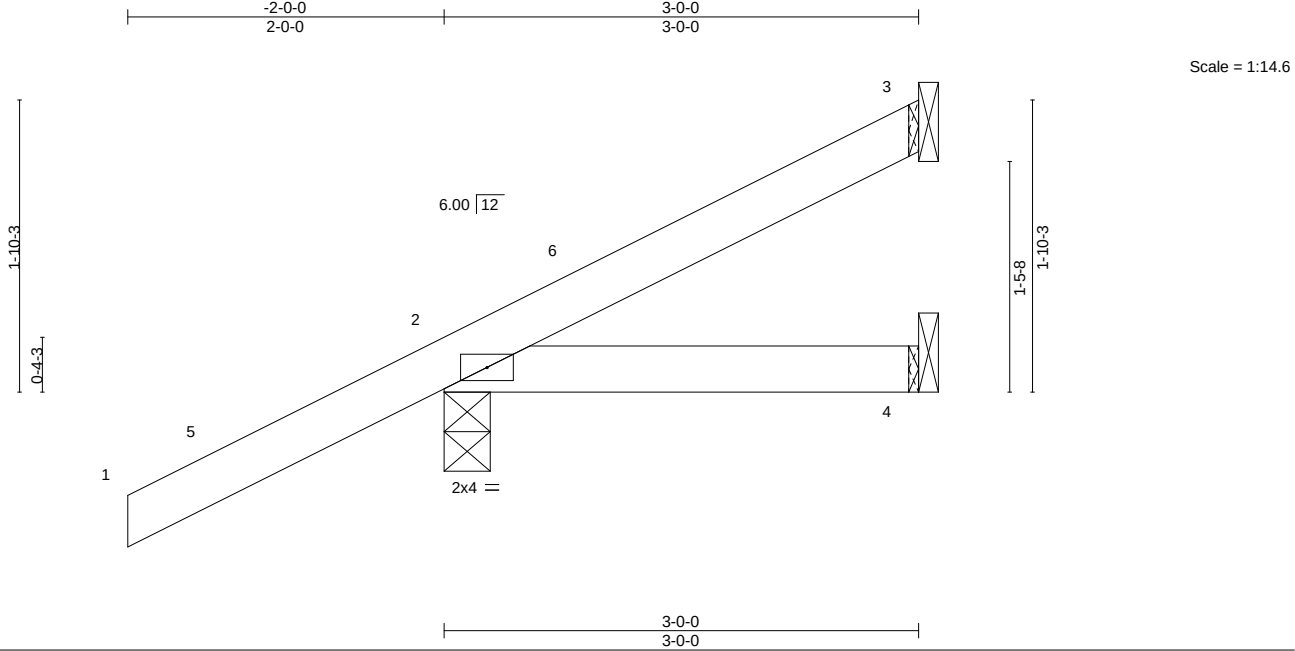
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800862
6250753	C3	Corner Jack	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:06 2025 Page 1
ID:Xuq6PrCqXRW3EgUAFMrddpzaMli-brmZORGu8B2cXYdCDRoDQtnpNjMdkVfuMMmfKzX2q7



LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.33		Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.09		Vert(CT)	-0.01	2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 13 lb	FT = 20%

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=71(LC 12)
Max Uplift 3=-14(LC 9), 2=-85(LC 12)
Max Grav 3=37(LC 17), 2=290(LC 1), 4=56(LC 3)

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

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

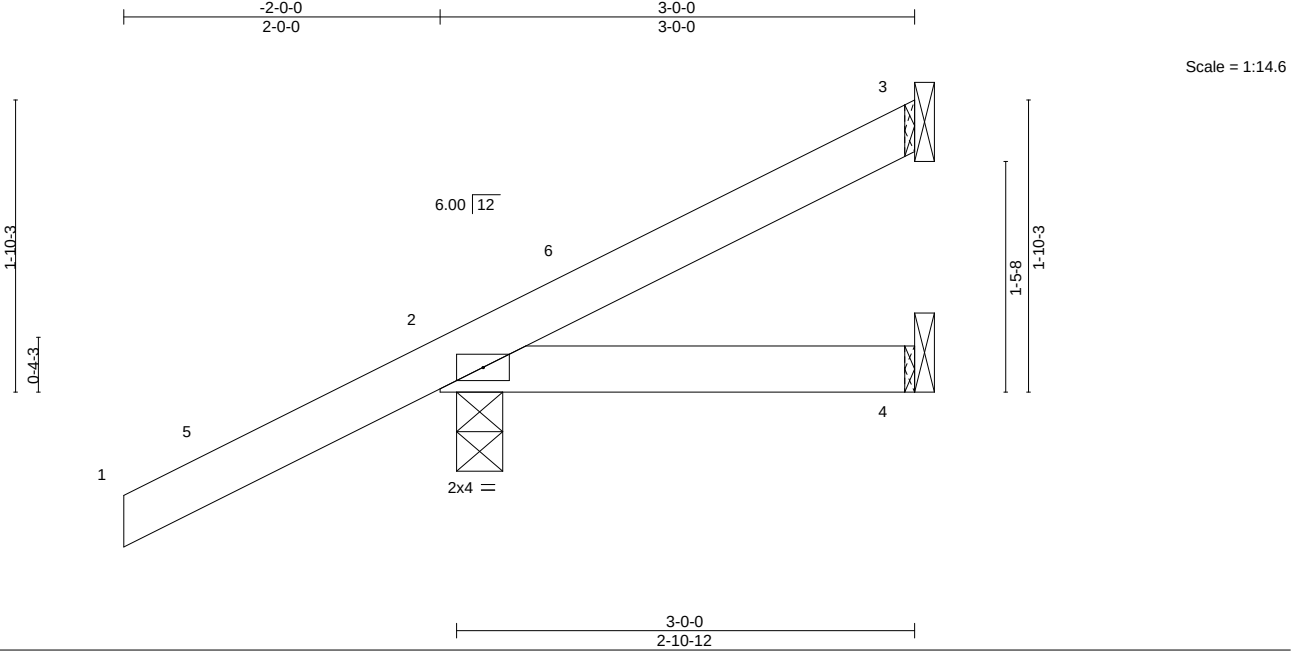


Julius Lee PE No. 34869
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 27,2025

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800863
6250753	C3L	Corner Jack	4	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:06 2025 Page 1
ID:Xuq6PrCqXRW3EgUAFMrddpzaMli-brmZORGu8B2cXYdCDRoDQtinpNjMdkVfuMMmfkzX2q7



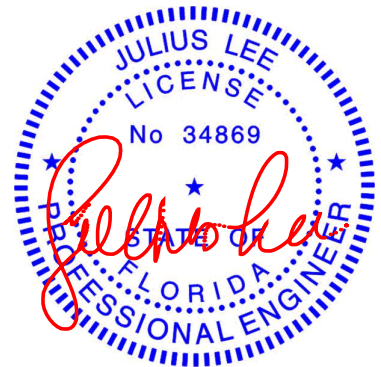
LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.33		Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.09		Vert(CT)	-0.01	2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2-4	>999	240	Weight: 13 lb	FT = 20%

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

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 2=0-3-8
Max Horz 2=71(LC 12)
Max Uplift 3=-14(LC 9), 4=-7(LC 8), 2=-109(LC 12)
Max Grav 3=37(LC 17), 4=56(LC 3), 2=290(LC 1)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 2-11-4 zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=109.



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Date:

March 27,2025

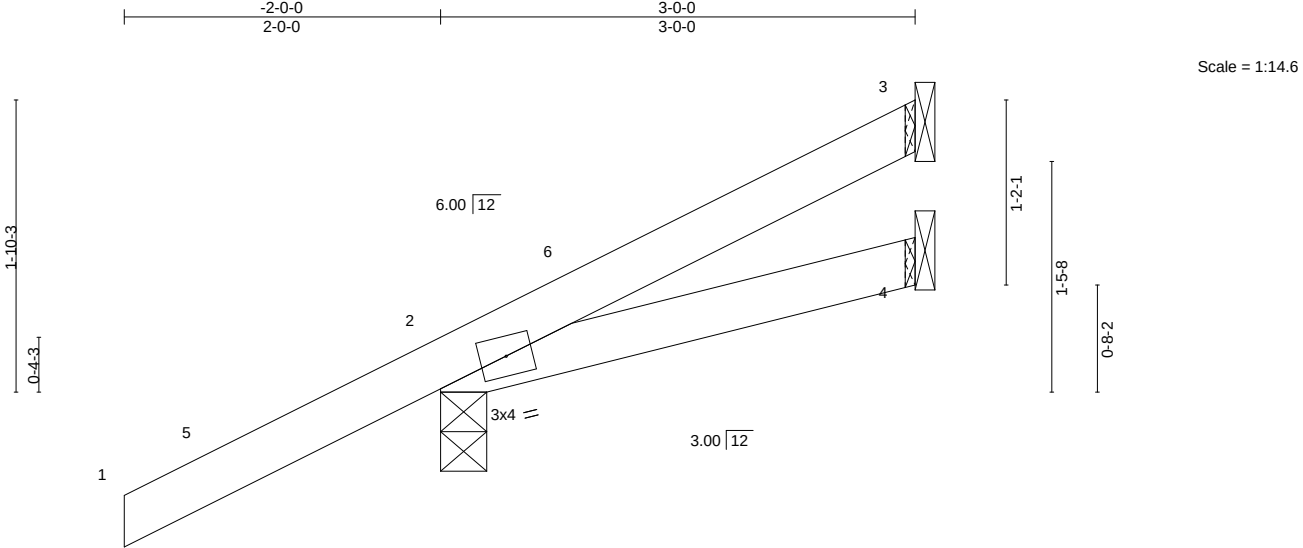
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800864
6250753	C3V	Corner Jack	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:06 2025 Page 1
ID:Xuq6PrCqXRW3EgUAFmRddpzaMli-brmZORGu8B2cXYdCDRoDQtIntNjMdkVfuMMmfkzX2q7



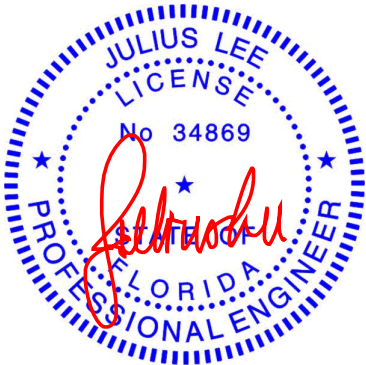
LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.32		Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.09		Vert(CT)	-0.01	2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 13 lb	FT = 20%

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=71(LC 12)
Max Uplift 3=-14(LC 9), 2=-84(LC 12)
Max Grav 3=37(LC 17), 2=290(LC 1), 4=56(LC 3)

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

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



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 27,2025

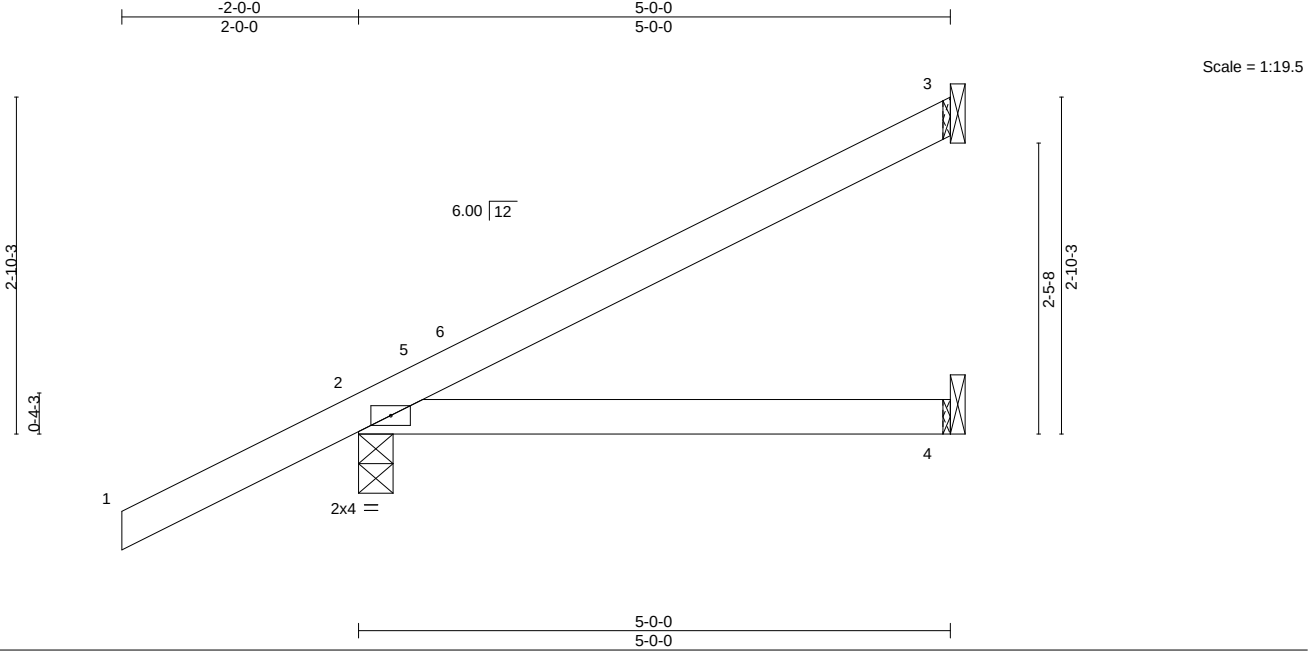
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800865
6250753	C5	Corner Jack	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:07 2025 Page 1
ID:Xuq6PrCqXRW3EgUAFMrddpzaMli-31KycnHWvUAS9iCOn8JSz5rzon0YMAIo6?6JBmzX2q6



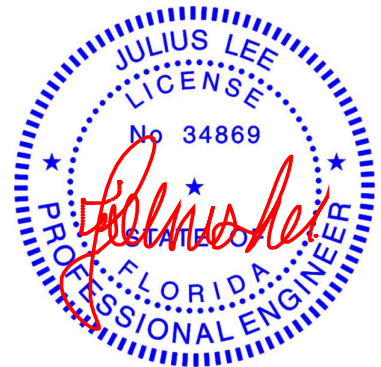
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.31	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.28	Vert(CT)	-0.06	2-4	>909	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00	2	****	240	Weight: 19 lb	FT = 20%

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=95(LC 12)
Max Uplift 3=-36(LC 12), 2=-70(LC 12)
Max Grav 3=115(LC 1), 2=349(LC 1), 4=96(LC 3)

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

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



Julius Lee PE No. 34869
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Date:

March 27,2025

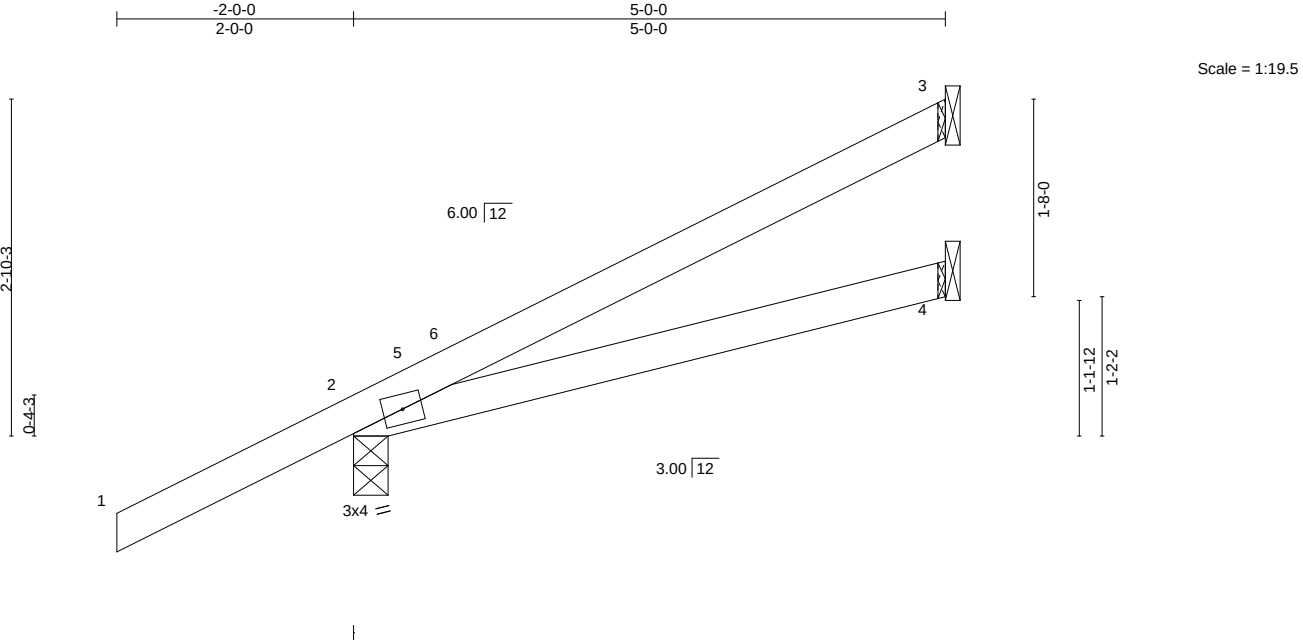
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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800866
6250753	C5V	Corner Jack	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:07 2025 Page 1
ID:Xuq6PrCqXRW3EgUAfMrddpzaMli-31KycnHWvUAS9iCOJ8JSz5rzs0WMAlo6?6JBmzX2q6



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.31	Vert(LL)	-0.03	2-4	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.29	Vert(CT)	-0.07	2-4	>882		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Wind(LL)	0.00	2	****	Weight: 20 lb	FT = 20%
	Code FBC2023/TPI2014							

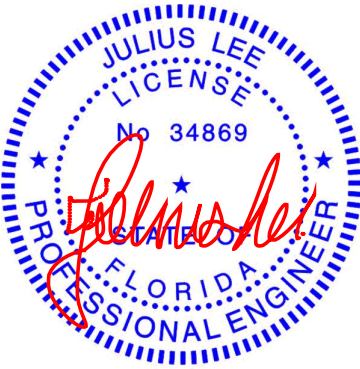
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=95(LC 12)
Max Uplift 3=-36(LC 12), 2=-69(LC 12)
Max Grav 3=115(LC 1), 2=349(LC 1), 4=96(LC 3)

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

NOTES-

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

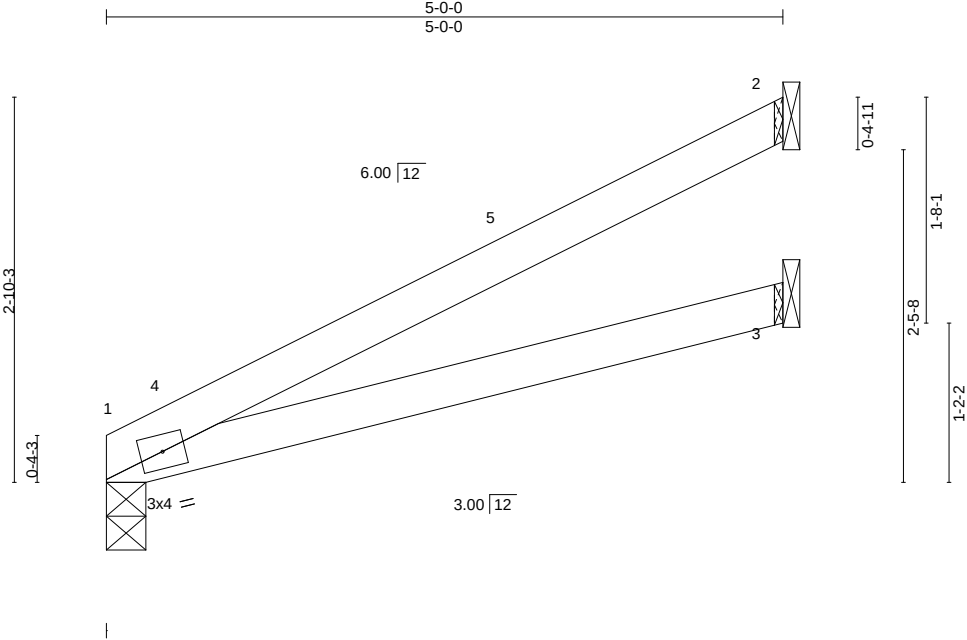


Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 27,2025

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800867
6250753	C5X	CORNER JACK	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:08 2025 Page 1
ID: Xuq6PrCqXRW3EgUAfMrddpzaMli-XDuKp7H8golJmsnaLsqhVlO6yALi5d_yLfrjCzX2q5



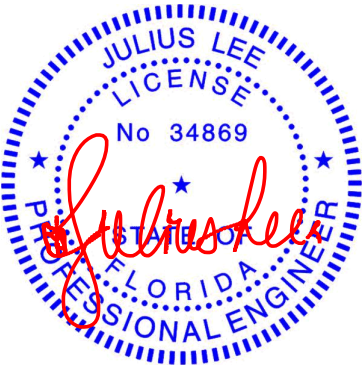
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.42	Vert(LL)	-0.03	1-3	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.29	Vert(CT)	-0.07	1-3	>882		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT)	-0.00	2	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Wind(LL)	0.00	1	****	Weight: 16 lb	FT = 20%
	Code FBC2023/TPI2014							

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

REACTIONS. (size) 1=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 1=61(LC 12)
Max Uplift 2=-53(LC 12)
Max Grav 1=192(LC 1), 2=144(LC 1), 3=96(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 4-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.



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

March 27,2025

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

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

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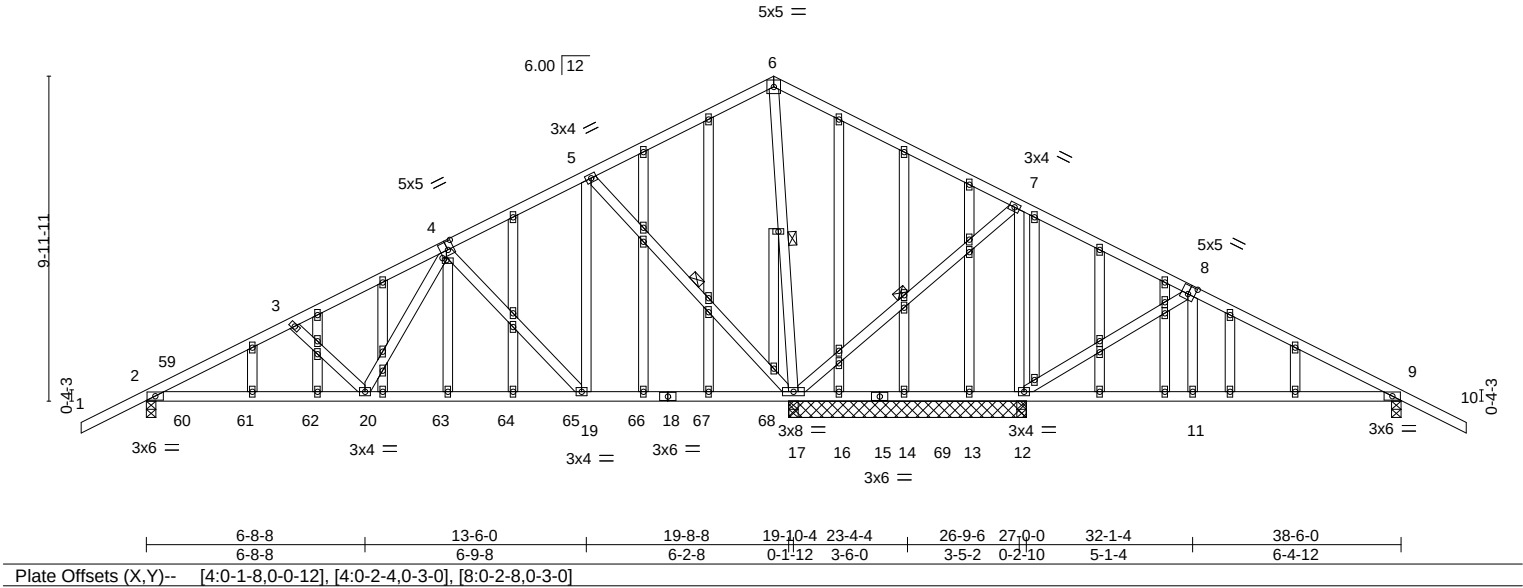
Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800868
6250753	D01X	GABLE	1	1	Job Reference (optional)	

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

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Scale = 1:70.7



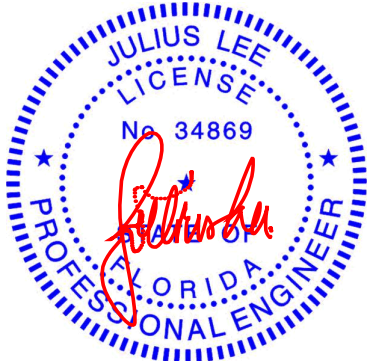
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	0.11 2-20 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	0.12 2-20 >999 240				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.02 17 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	-0.13 2-20 >999 240				
								Weight: 332 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-5-1 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		10-0-0 oc bracing: 11-12,9-11.
OTHERS	2x4 SP No.2	WEBS	1 Row at midpt 5-17, 6-17, 7-17

REACTIONS. All bearings 7-3-8 except (jt=length) 2=0-3-8, 9=0-3-8.
(lb) - Max Horz 2=-175(LC 32)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-291(LC 27), 17=-492(LC 8), 12=-155(LC 34),
16=-117(LC 38), 9=-130(LC 34)
Max Grav All reactions 250 lb or less at joint(s) 16, 14, 13 except 2=912(LC 38), 17=2206(LC 38), 17=1140(LC
1), 12=921(LC 27), 12=621(LC 1), 9=554(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1160/335, 3-4=-972/335, 5-6=-114/705, 6-7=-192/764, 7-8=-9/479, 8-9=-494/116
BOT CHORD 2-20=-256/1102, 19-20=-127/630, 16-17=-368/131, 14-16=-368/131, 13-14=-368/131,
12-13=-368/131, 11-12=-47/357, 9-11=-46/361
WEBS 4-20=-314/625, 4-19=-598/169, 5-19=-320/818, 5-17=-1054/273, 6-17=-905/130,
7-17=-290/174, 7-12=-588/195, 8-12=-578/32, 8-11=0/265

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; 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.
 - 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 291 lb uplift at joint 2, 492 lb uplift at joint 17, 155 lb uplift at joint 12, 117 lb uplift at joint 16 and 130 lb uplift at joint 9.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 113 lb down and 235 lb up at 1-0-0 on top chord, and 66 lb down and 118 lb up at 1-0-0, 65 lb down and 119 lb up at 2-11-4, 65 lb down and 119 lb up at 4-11-4, 65 lb down and 119 lb up at 6-11-4, 65 lb down and 119 lb up at 8-11-4, 65 lb down and 119 lb up at 10-11-4, 65 lb down and 119 lb up at 12-11-4, 65 lb down and 119 lb up at 14-11-4, and 65 lb down and 119 lb up at 16-11-4, and 65 lb down and 119 lb up at 18-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the Load CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).



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

March 27,2025

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800868
6250753	D01X	GABLE	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:09 2025 Page 2
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LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-6=-60, 6-10=-60, 2-9=-20
- Concentrated Loads (lb)
- Vert: 20=44(F) 59=78(F) 60=43(F) 61=44(F) 62=44(F) 63=44(F) 64=44(F) 65=44(F) 66=44(F) 67=44(F) 68=44(F)

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

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800869
6250753	E1	Jack-Closed	20	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:09 2025 Page 1
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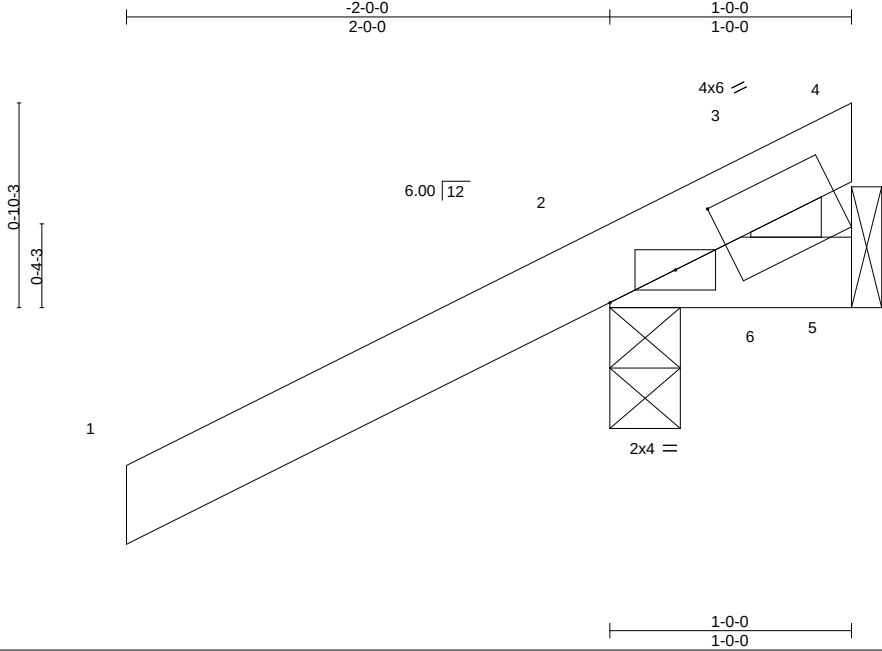


Plate Offsets (X,Y)--		[3:0-6-7,0-2-0]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.28		Vert(LL)	0.00 2	>999	360	MT20	244/190
TCDL 10.0		Lumber DOL	1.25	BC 0.07		Vert(CT)	0.00 2	>999	240		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	0.00	n/a	n/a		
BCDL 10.0		Code FBC2023/TPI2014		Matrix-P		Wind(LL)	-0.00 2	>999	240	Weight: 7 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 1-0-0 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) 2=0-3-8, 5=Mechanical
Max Horz 2=47(LC 12)
Max Uplift 2=-133(LC 12), 5=-99(LC 1)
Max Grav 2=288(LC 1), 5=74(LC 12)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 133 lb uplift at joint 2 and 99 lb uplift at joint 5.



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

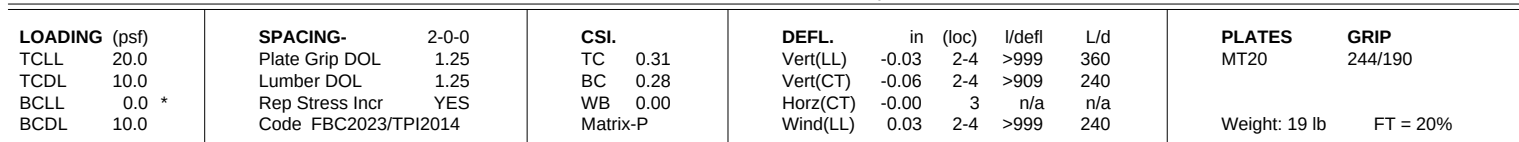
March 27,2025

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

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314.434.1200 / MiTek-US.com

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

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, 4=Mechanical, 2=0-3-8
 Max Horz 2=95(LC 12)
 Max Uplift 3=-36(LC 12), 4=-12(LC 8), 2=-111(LC 12)
 Max Grav 3=115(LC 1), 4=96(LC 3), 2=349(LC 1)

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl.; GCp=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 4-11-4 zone; cantilever left exposed ; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 3, 12 lb uplift at joint 4 and 111 lb uplift at joint 2.



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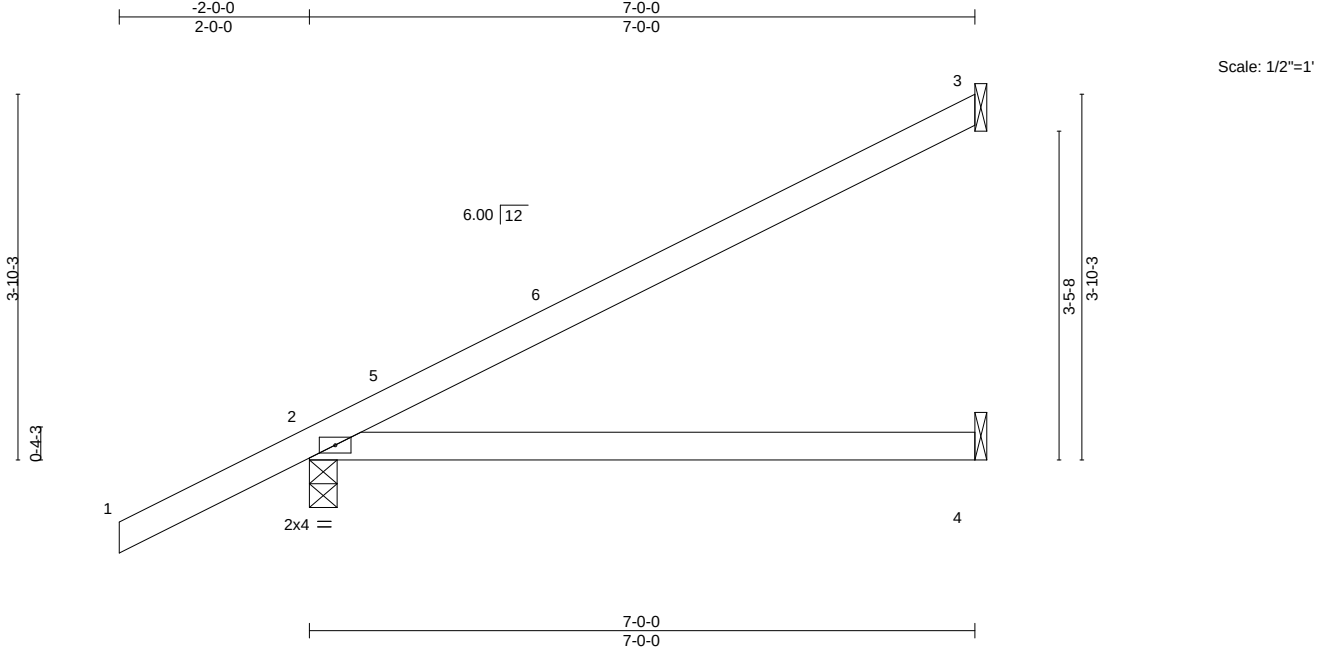


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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800871
6250753	E7	Jack-Open	3	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:10 2025
Page 1
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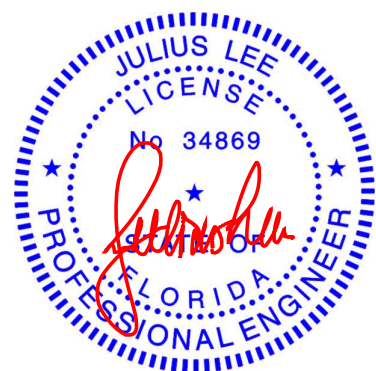
LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.72		Vert(LL)	-0.13	2-4	>639	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.60		Vert(CT)	-0.26	2-4	>319	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 26 lb	FT = 20%

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=119(LC 12)
Max Uplift 3=-62(LC 12), 2=-63(LC 12)
Max Grav 3=183(LC 1), 2=421(LC 1), 4=136(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 6-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-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 62 lb uplift at joint 3 and 63 lb uplift at joint 2.



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

March 27,2025

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800872
6250753	E7T	Jack-Open	5	1	Job Reference (optional)	

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

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:10 2025 Page 1

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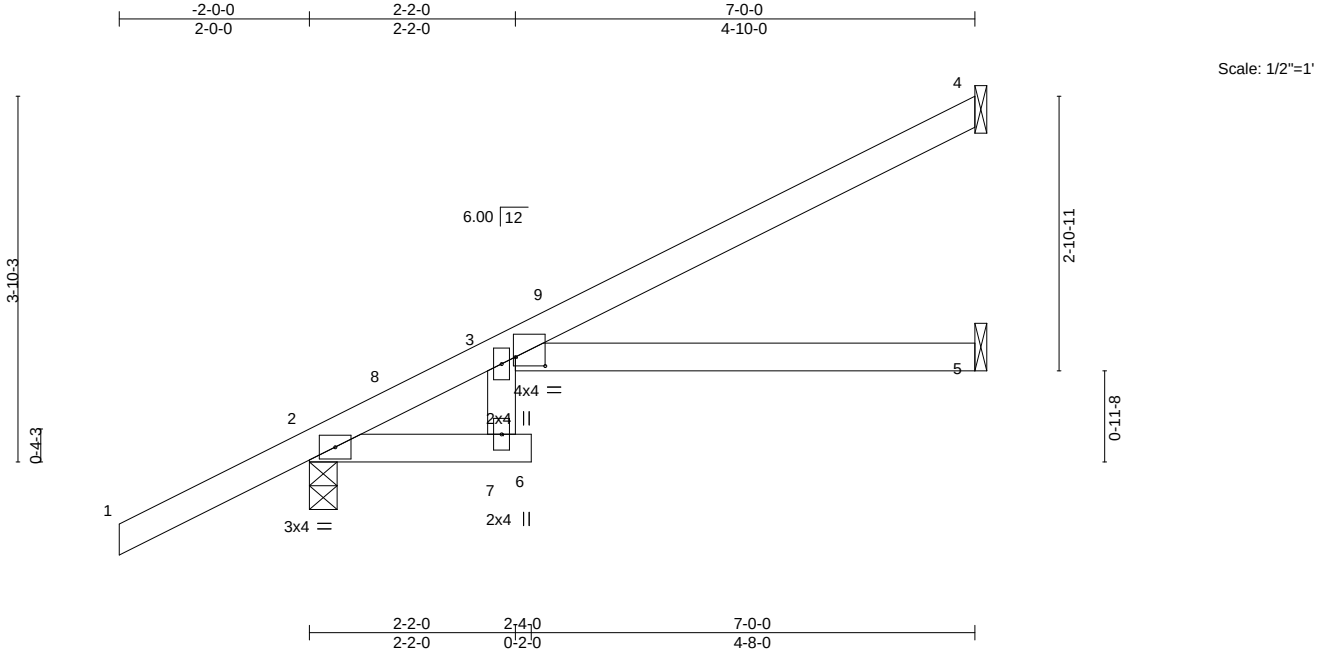


Plate Offsets (X,Y)--		[3:0-3-12,0-1-2]													
LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP			
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.10	in	(loc)	I/defl	L/d	MT20	244/190		
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.23	3-5	>795	360					
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.11	5	n/a	240					
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-R		Wind(LL)	0.12	3-5	>693	240				Weight: 27 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
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=119(LC 12)
Max Uplift 4=-41(LC 12), 2=-60(LC 12)
Max Grav 4=161(LC 1), 2=425(LC 1), 5=121(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 6-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 4 and 60 lb uplift at joint 2.



Julius Lee PE No. 34869

MiTek Inc. DBA MiTek USA FL Cert 6634

16023 Swingley Ridge Rd. Chesterfield, MO 63017

Date:

March 27,2025

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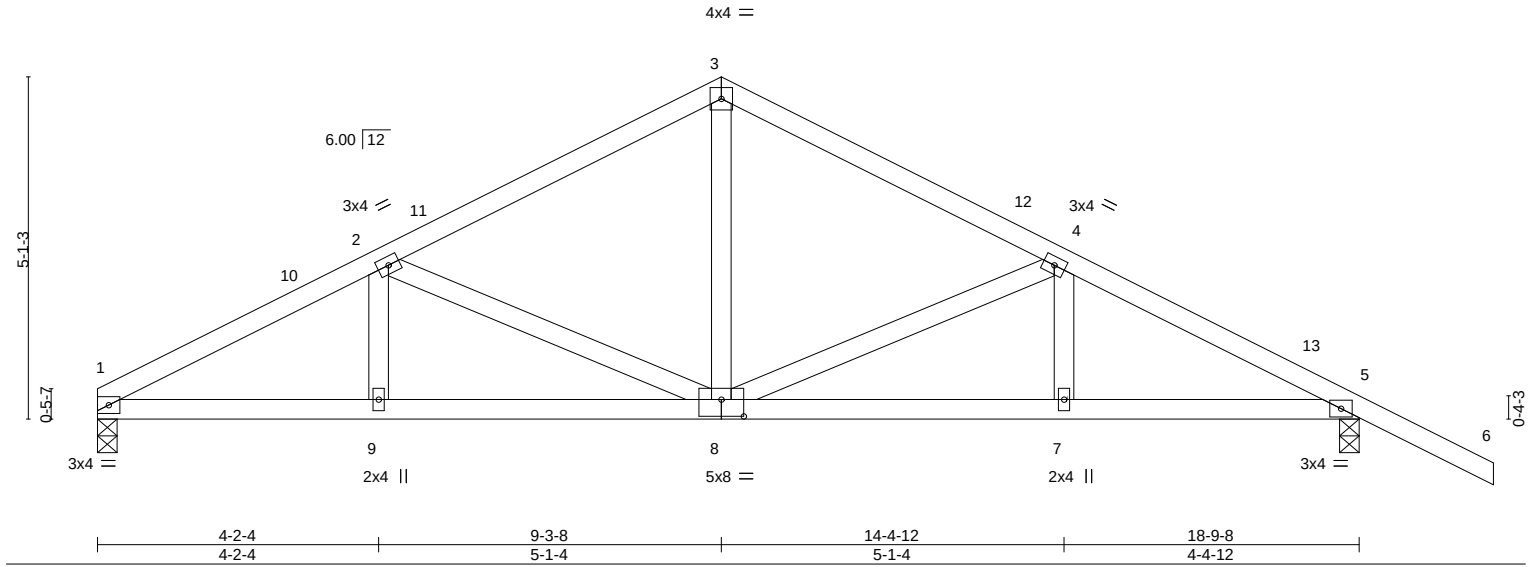
Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800874
6250753	F01	Common	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:11 2025 Page 1
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4-2-4	9-3-8	14-4-12	18-9-8	20-9-8
4-2-4	5-1-4	5-1-4	4-4-12	2-0-0

Scale = 1:34.3



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.04	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.08				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.03				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.02	Weight: 91 lb		FT = 20%	

LUMBER-

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

REACTIONS.

(size) 1=0-3-8, 5=0-3-8
Max Horz 1=-91(LC 10)
Max Uplift 1=-28(LC 12), 5=-97(LC 12)
Max Grav 1=733(LC 1), 5=876(LC 1)

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

TOP CHORD 1-2=-1286/182, 2-3=-886/159, 3-4=-885/149, 4-5=-1290/163
BOT CHORD 1-9=-96/1096, 8-9=-96/1096, 7-8=-85/1089, 5-7=-85/1089
WEBS 3-8=-22/457, 4-8=-411/97, 2-8=-424/109

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 9-3-8, Zone2 9-3-8 to 13-6-7, Zone1 13-6-7 to 20-9-8 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
- 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 28 lb uplift at joint 1 and 97 lb uplift at joint 5.



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

March 27,2025

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

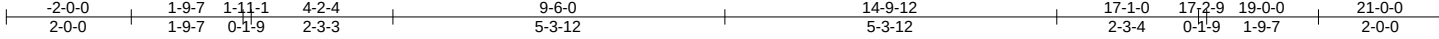
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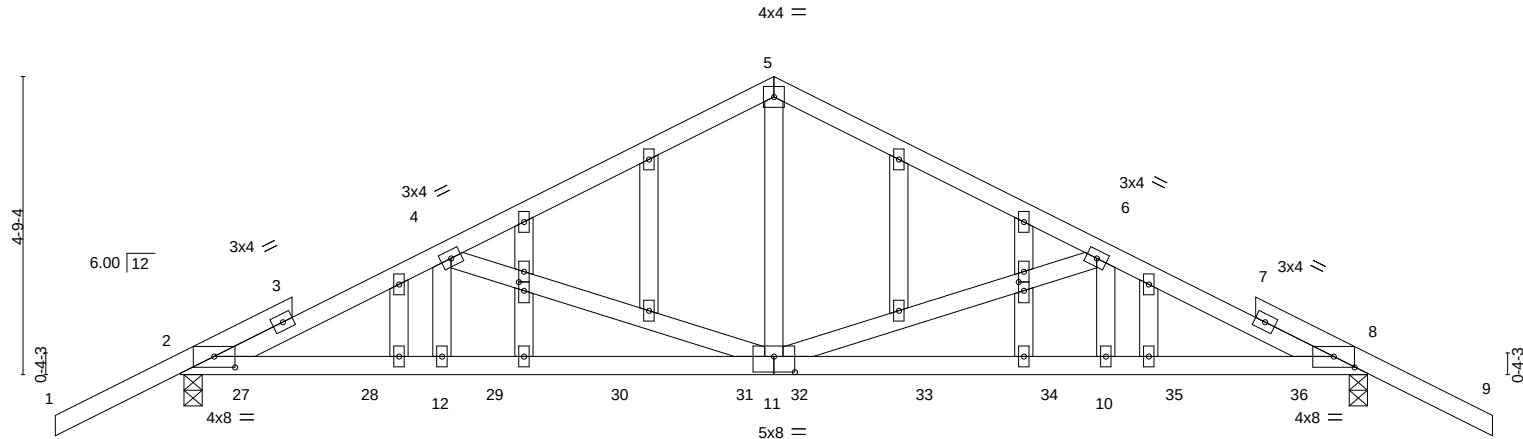
Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800875
6250753	F01X	GABLE	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:12 2025 Page 1
ID: Xuq6PrCqXRW3EgUAFMrddpzaMli-Q?7rfVLej1oIFT4Laivdg8Yniogu1M6XGhp4t_zX2q1



Scale = 1:36.9



0-0-11	1-9-7	1-11-1	4-2-4	9-6-0	14-9-12	17-1-0	17-2-9	19-0-0
0-0-11	1-8-12	0-1-9	2-3-3	5-3-12	5-3-12	2-3-4	0-1-9	1-9-7
Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [4:0-0-0,0-0-0], [8:0-4-0,0-2-1], [11:0-4-0,0-3-0], [15:0-1-11,0-1-0], [20:0-0-0,0-0-0], [24:0-0-0,0-0-0], [24:0-1-11,0-1-0]								

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.43	Vert(LL)	-0.09 11-12	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.46	Vert(CT)	-0.13 11-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.38	Horz(CT)	0.04 8	n/a	n/a		
BCDL 10.0	Code FBC2023/TP12014		Matrix-S					Weight: 115 lb	FT = 20%

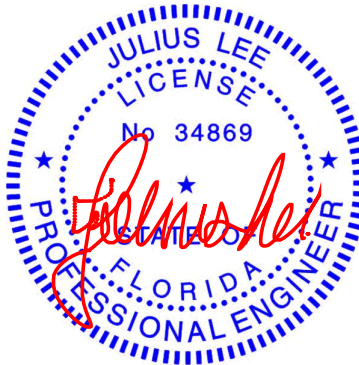
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-2 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2	
OTHERS 2x4 SP No.2	

REACTIONS. (size) 8=0-3-8, 2=0-3-8
Max Horz 2=-89(LC 6)
Max Uplift 8=-348(LC 8), 2=-348(LC 8)
Max Grav 8=1019(LC 39), 2=1020(LC 38)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1728/483, 4-5=-1085/332, 5-6=-1086/332, 6-8=-1731/485
BOT CHORD 2-12=-378/1609, 11-12=-378/1609, 10-11=-381/1545, 8-10=-381/1545
WEBS 5-11=-338/665, 6-11=-706/243, 6-10=-245/253, 4-11=-703/235, 4-12=-240/252

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 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/TP1 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.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 348 lb uplift at joint 8 and 348 lb uplift at joint 2.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 153 lb down and 293 lb up at 1-0-0, 65 lb down and 119 lb up at 3-0-12, 65 lb down and 119 lb up at 5-0-12, 65 lb down and 119 lb up at 7-0-12, 65 lb down and 119 lb up at 9-0-12, 65 lb down and 119 lb up at 9-11-4, 65 lb down and 119 lb up at 11-11-4, 65 lb down and 119 lb up at 13-11-4, and 65 lb down and 119 lb up at 15-11-4, and 153 lb down and 293 lb up at 17-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard



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

March 27,2025

Continued on page 2

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

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

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800875
6250753	F01X	GABLE	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:12 2025 Page 2
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LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
Vert: 1-5=-60, 5-9=-60, 2-8=-20
- Concentrated Loads (lb)
Vert: 27=104(F) 28=44(F) 29=44(F) 30=44(F) 31=44(F) 32=44(F) 33=44(F) 34=44(F) 35=44(F) 36=104(F)

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

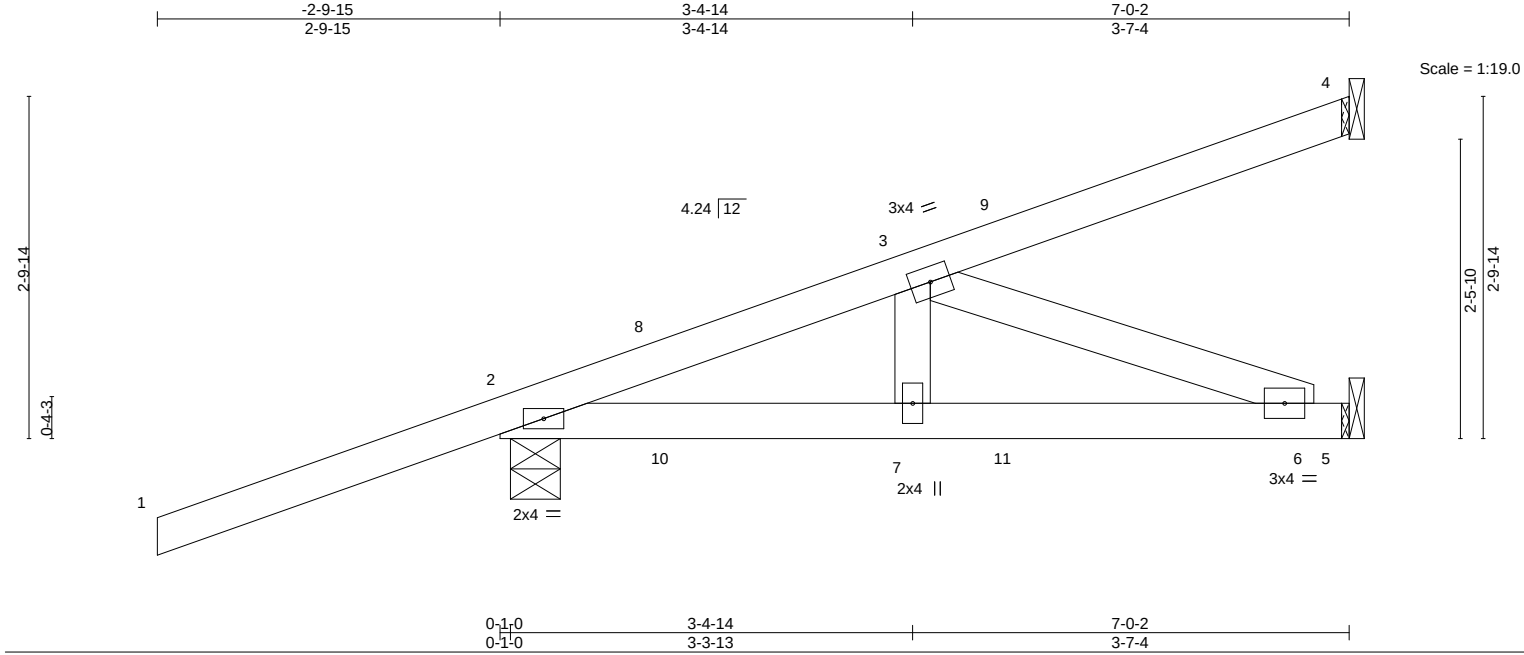
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800876
6250753	H5L	Diagonal Hip Girder	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:13 2025
Page 1
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LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.90	in	(loc)	l/defl	L/d	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(LL)	-0.01	6-7	>999				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Vert(CT)	-0.02	6-7	>999				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Horz(CT)	0.00	5	n/a				
						Wind(LL)	0.01	6-7	>999				
										Weight: 33 lb		FT = 20%	

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

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 2=0-4-15
Max Horz 2=95(LC 27)
Max Uplift 4=-31(LC 8), 5=-54(LC 5), 2=-228(LC 8)
Max Grav 4=127(LC 19), 5=122(LC 3), 2=416(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-349/121
BOT CHORD 2-7=-130/260, 6-7=-130/260
WEBS 3-6=-278/139

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 4, 54 lb uplift at joint 5 and 228 lb uplift at joint 2.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 185 lb up at 1-4-15, 87 lb down and 185 lb up at 1-4-15, and 54 lb down and 23 lb up at 4-2-15, and 54 lb down and 23 lb up at 4-2-15 on top chord, and 8 lb up at 1-4-15, 8 lb up at 1-4-15, and 11 lb down and 24 lb up at 4-2-15, and 11 lb down and 24 lb up at 4-2-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20

Concentrated Loads (lb)
Vert: 8=123(F=62, B=62)

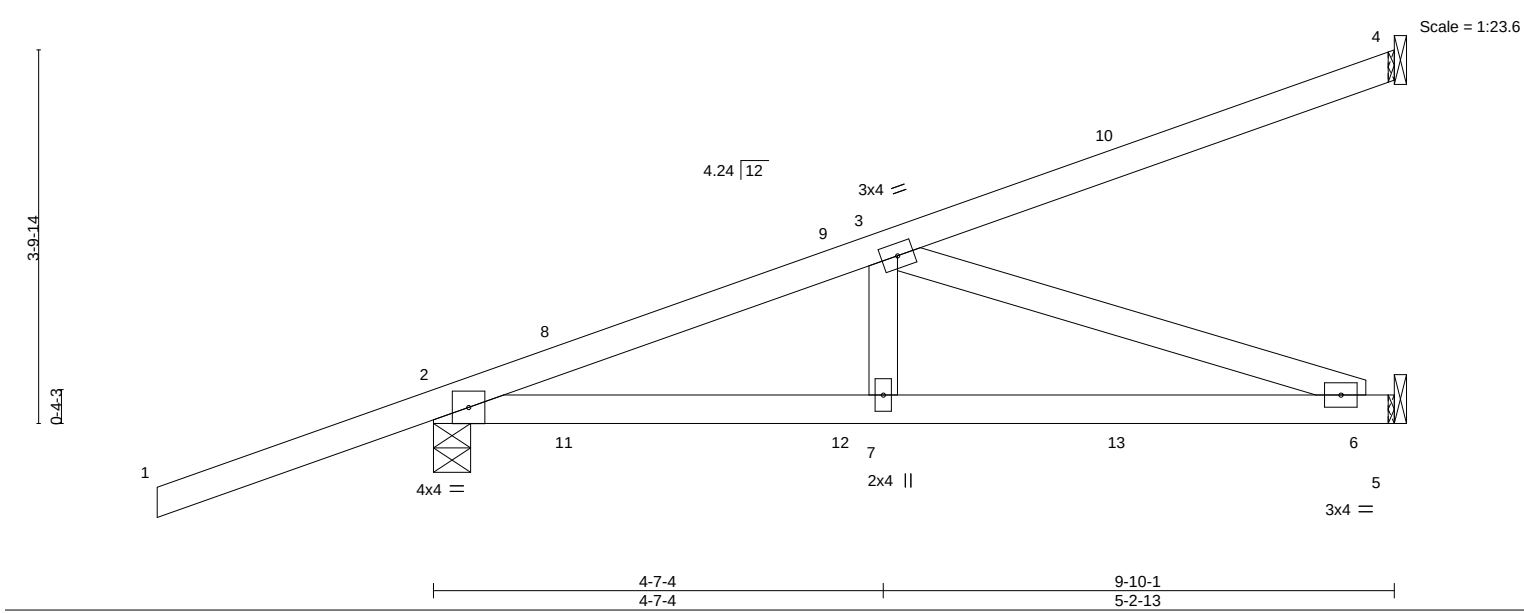
Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 27,2025

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800877
6250753	H7	Diagonal Hip Girder	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:13 2025 Page 1
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-2-9-15
2-9-15
4-7-4
4-7-4
9-10-1
5-2-13



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.82	in	(loc)	l/defl	L/d	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(LL)	-0.05	6-7	>999				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Vert(CT)	-0.12	6-7	>989				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Horz(CT)	0.01	5	n/a				
						Wind(LL)	-0.03	2-7	>999				
										Weight: 44 lb		FT = 20%	

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

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=119(LC 8)
Max Uplift 4=-101(LC 8), 2=-169(LC 8)
Max Grav 4=303(LC 1), 2=582(LC 31), 5=275(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-774/21
BOT CHORD 2-7=-53/656, 6-7=-53/656
WEBS 3-7=0/282, 3-6=-692/56

- NOTES-**
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 4 and 169 lb uplift at joint 2.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 185 lb up at 1-4-15, 87 lb down and 185 lb up at 1-4-15, 54 lb down and 23 lb up at 4-2-15, 54 lb down and 23 lb up at 4-2-15, 83 lb down and 56 lb up at 7-0-14, and 83 lb down and 56 lb up at 7-0-14, and 143 lb down and 78 lb up at 9-9-5 on top chord, and at 1-4-15, at 1-4-15, 11 lb down at 4-2-15, 11 lb down at 4-2-15, and 39 lb down at 7-0-14, and 39 lb down at 7-0-14, and 39 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)

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

Concentrated Loads (lb)

Vert: 4=-143(B) 8=123(F=62, B=62) 10=-60(F=-30, B=-30) 13=-39(F=-20, B=-20)

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

March 27,2025

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800878
6250753	H7V	Diagonal Hip Girder	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:14 2025 Page 1
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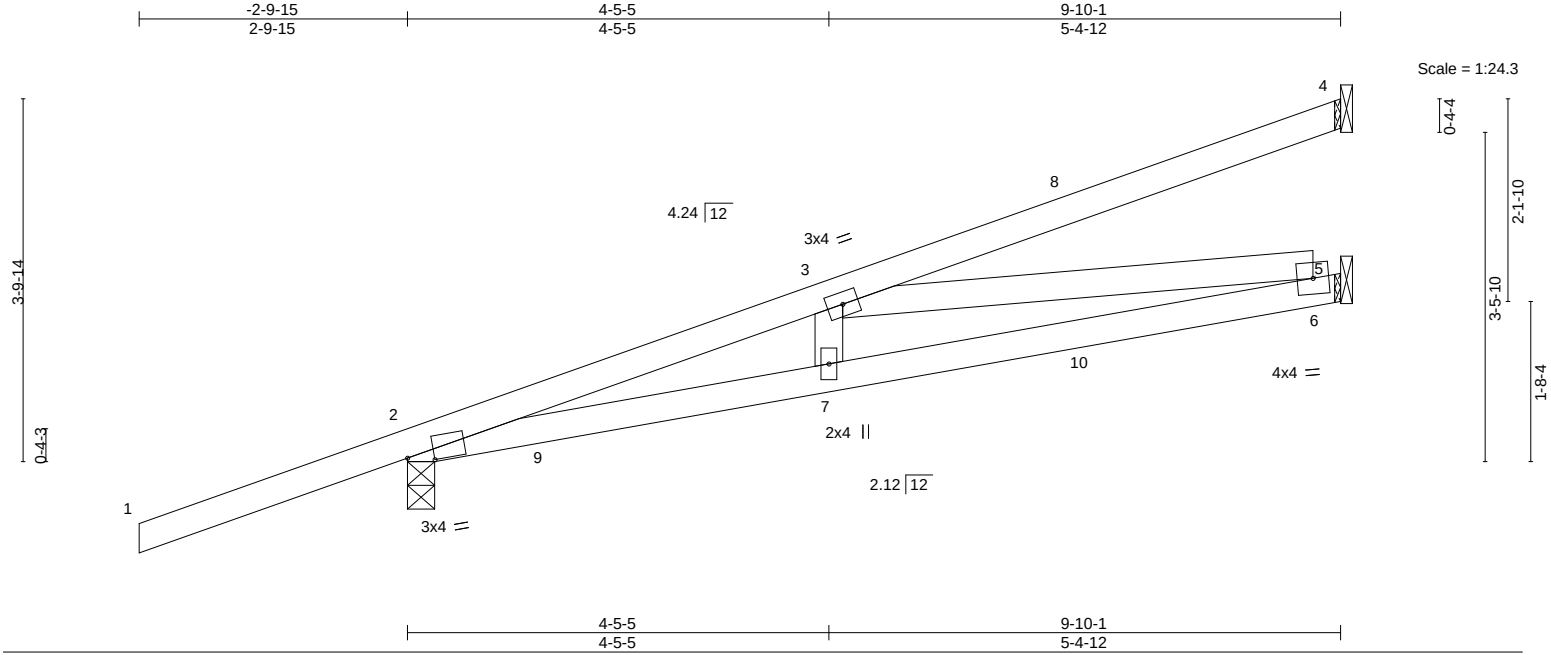


Plate Offsets (X,Y)--		[2:0-3-6,0-0-13]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.76	Vert(LL)	-0.07	6-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.80	Vert(CT)	-0.17	6-7	>661	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.59	Horz(CT)	0.02	5	n/a	n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-S	Wind(LL)	-0.07	2-7	>999	240	Weight: 43 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-10-0 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=0-3-7, 5=Mechanical
Max Horz 2=118(LC 27)
Max Uplift 4=125(LC 8), 2=188(LC 8)
Max Grav 4=343(LC 1), 2=630(LC 31), 5=279(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1378/110
BOT CHORD 2-7=-155/1274, 6-7=-160/1273
WEBS 3-6=-1245/149

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 4 and 188 lb uplift at joint 2.
 - 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 53 lb down and 24 lb up at 4-2-15, 53 lb down and 24 lb up at 4-2-15, 95 lb down and 78 lb up at 7-0-14, and 83 lb down and 57 lb up at 7-0-14, and 163 lb down and 90 lb up at 9-9-5 on top chord, and 77 lb down and 117 lb up at 1-4-15, 77 lb down and 117 lb up at 1-4-15, 11 lb down at 4-2-15, 11 lb down at 4-2-15, and 39 lb down at 7-0-14, and 39 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20



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Date:

March 27,2025

Continued on page 2

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

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800878
6250753	H7V	Diagonal Hip Girder	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:14 2025 Page 2
ID:Xuq6PrCqXRW3EgUAfMrddpzaMli-MNFB4AMvFe2TUnEkh6x5lZe27bH8VCBqblBxsxX2q?

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 4=-163(F) 8=-89(F=-59, B=-30) 9=101(F=50, B=50) 10=-39(F=-20, B=-20)

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

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800879
6250753	J1	Jack-Closed	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:14 2025 Page 1
ID:Xuq6PrCqXRW3EgUAFMrddpzaMii-MNFb4AMvFe2TUnEkh6x5Ize3cbStVLTqjblBxsxX2q?

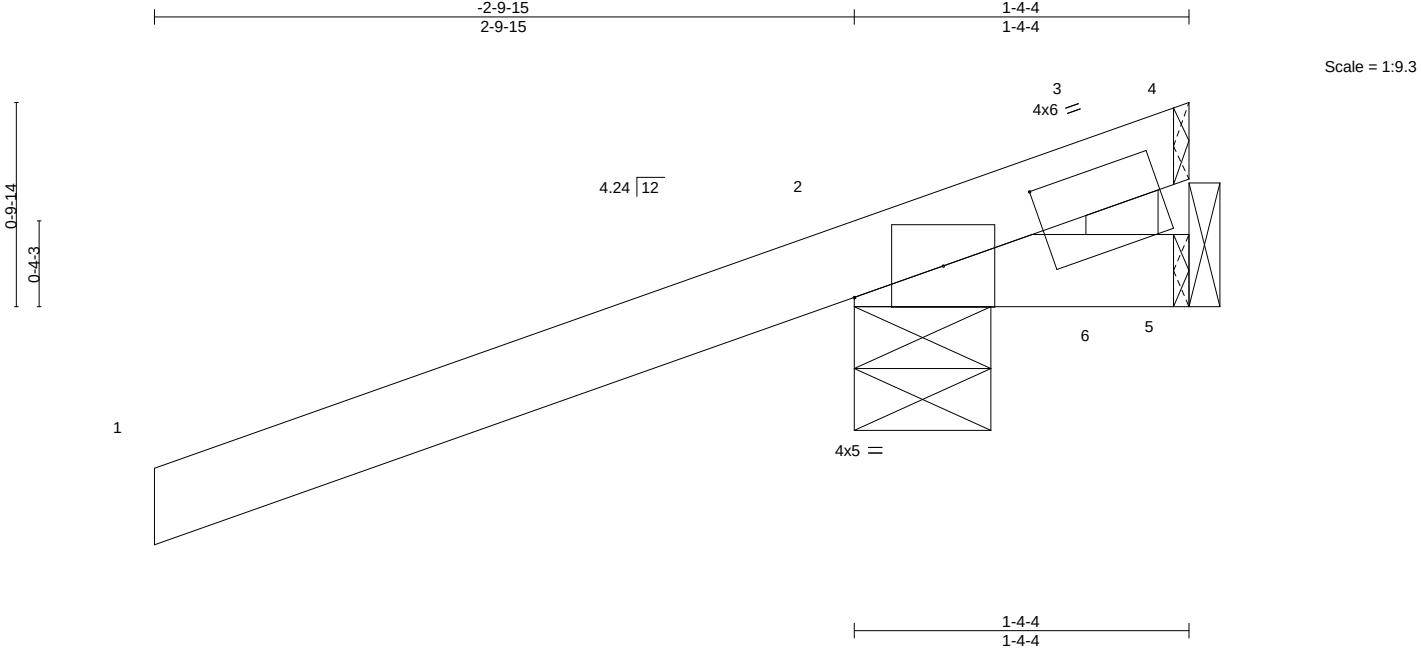


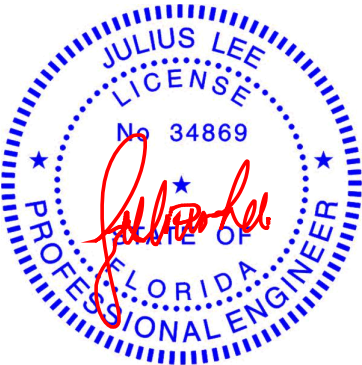
Plate Offsets (X,Y)--		[3:0-9-11,0-2-0]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.66
TCDL 10.0	Lumber DOL	1.25	BC 0.11
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-P
DEFL.	in (loc)	I/defl	L/d
Vert(LL)	0.00	2 >999	360
Vert(CT)	0.00	6 >999	240
Horz(CT)	0.00	n/a	n/a
Wind(LL)	-0.00	6 >999	240
PLATES	GRIP		
MT20	244/190		
Weight: 9 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 1-4-4 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) 2=0-6-10, 5=Mechanical
Max Horz 2=47(LC 12)
Max Uplift 2=-185(LC 12), 5=-152(LC 1)
Max Grav 2=417(LC 1), 5=100(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-6=-339/206

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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 185 lb uplift at joint 2 and 152 lb uplift at joint 5.



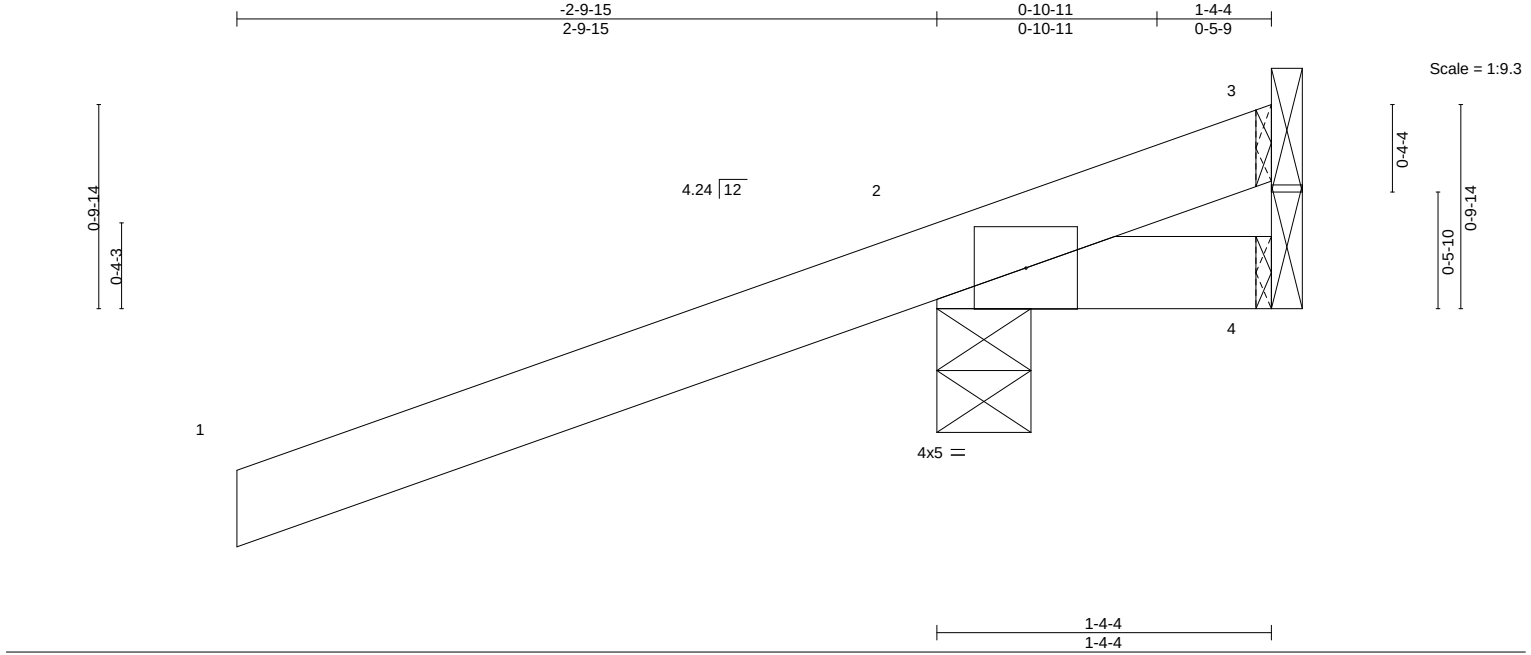
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Date:

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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800880
6250753	J2	Jack-Partial	1	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:14 2025 Page 1
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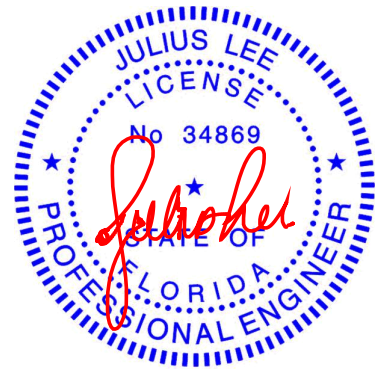
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.65	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.02	Vert(CT)	-0.00	2	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00	2	****	240	Weight: 9 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD 2x4 SP No.2		TOP CHORD	Structural wood sheathing directly applied or 1-4-4 oc purlins.
BOT CHORD 2x4 SP No.2		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-9, 4=Mechanical, 3=Mechanical
Max Horz 2=47(LC 12)
Max Uplift 2=-182(LC 12), 3=-150(LC 1)
Max Grav 2=413(LC 1), 4=26(LC 3), 3=89(LC 12)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 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 182 lb uplift at joint 2 and 150 lb uplift at joint 3.



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 ID:Xuq6PrCqXRW3EgUAFmRddpzaMIi-qapzHWNX0yAK6xpwfQSkInAlI?ivEnY_yF2kTlZx2q_

Technical drawing of a roof truss structure. The drawing includes the following dimensions and specifications:

- Overall Dimensions:**
 - Span: 12.00
 - Height: 2.10
 - Overhang: 0.43
- Truss Members and Connections:**
 - Top Chord: 4x8 =
 - Bottom Chord: 4x4 =
 - Vertical Posts: 2x4 ||
 - Diagonal Bracing: 3x4 =
 - Horizontal Bracing: 3x4 =
- Labels and Notes:**
 - Labels 1 through 12 are placed at various joints and members.
 - Notes include "0-1-4", "5-0-0", "9-0-0", "13-10-12", "14-0-0", "4-10-12", and "4-0-0".

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

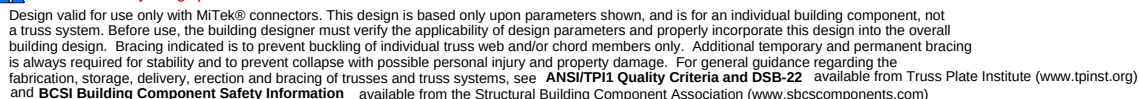
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1314/401, 3-4=-1110/377, 4-5=-1315/400
BOT CHORD	2-8=-312/1099, 7-8=-317/1110, 5-7=-307/1099
WEBS	3-8=-84/333, 4-7=-86/334

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 303 lb uplift at joint 2 and 303 lb uplift at joint 5.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 151 lb down and 116 lb up at 5-0-0, and 76 lb down and 53 lb up at 7-0-0, and 151 lb down and 116 lb up at 9-0-0 on top chord, and 131 lb down and 87 lb up at 5-0-0, and 56 lb down and 24 lb up at 7-0-0, and 131 lb down and 87 lb up at 8-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-6=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 3=-97(B) 4=-97(B) 8=-95(B) 7=-95(B) 10=-55(B) 12=-28(B)

March 27, 2025

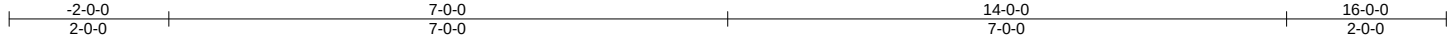


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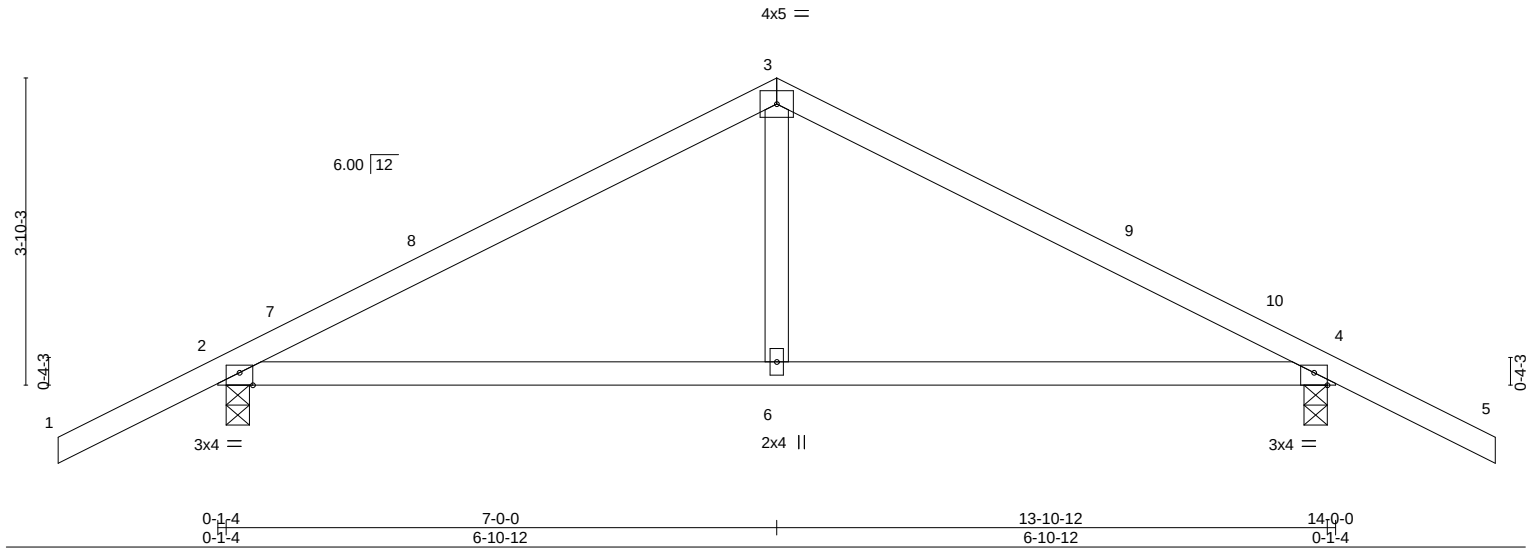
Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800882
6250753	L02	Common	2	1	Job Reference (optional)	

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

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:15 2025 Page 1
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Scale = 1:28.9



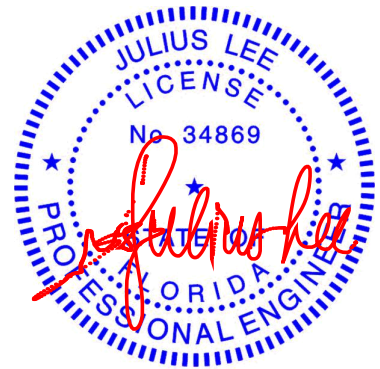
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.05 2-6 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.12 2-6 >999 240				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.01 4 n/a n/a				
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.07 4-6 >999 240				
								Weight: 56 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-7-6 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS.	
(size)	2=0-3-8, 4=0-3-8
Max Horz	2=74(LC 11)
Max Uplift	2=-202(LC 12), 4=-202(LC 12)
Max Grav	2=677(LC 1), 4=677(LC 1)

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-737/313, 3-4=-737/313
BOT CHORD	2-6=-161/570, 4-6=-161/570
WEBS	3-6=-88/328

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 7-0-0, Zone2 7-0-0 to 11-2-15, Zone1 11-2-15 to 16-0-0 zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 2 and 202 lb uplift at joint 4.



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Date:

March 27,2025

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

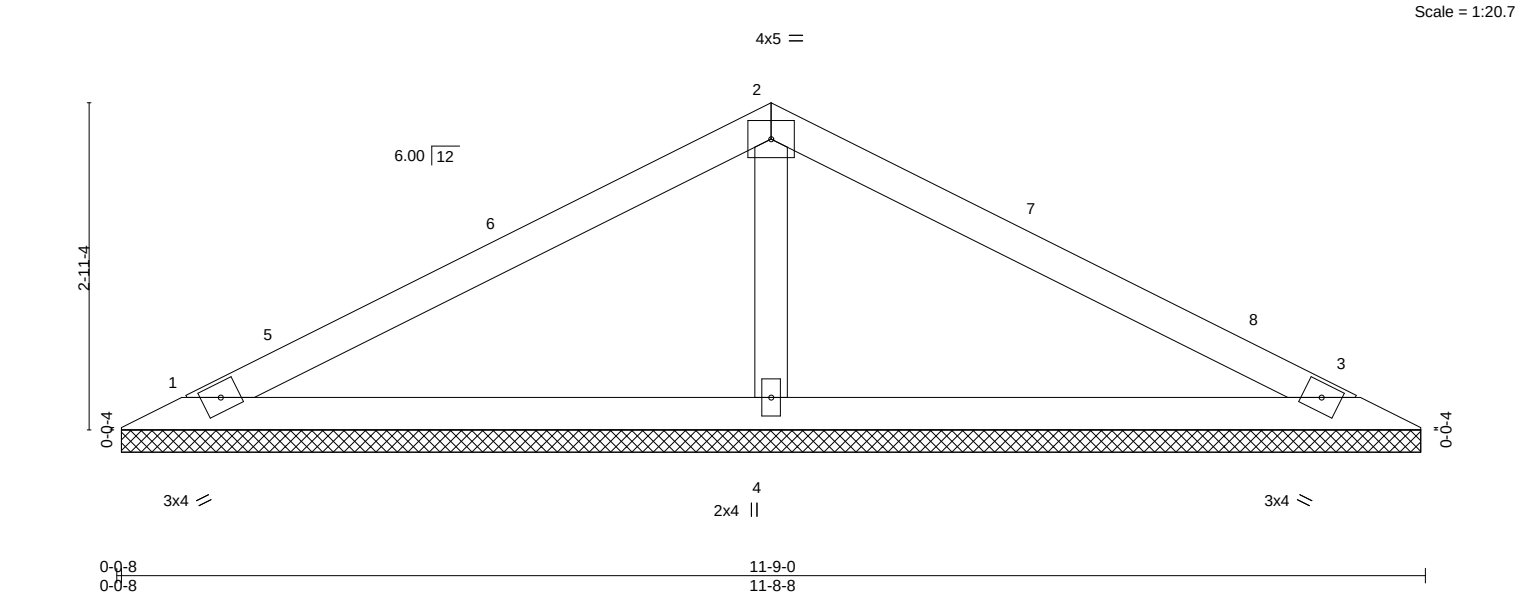
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Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800883
6250753	LV1	Valley	1	1	Job Reference (optional)	

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5-10-85-10-811-9-05-10-8



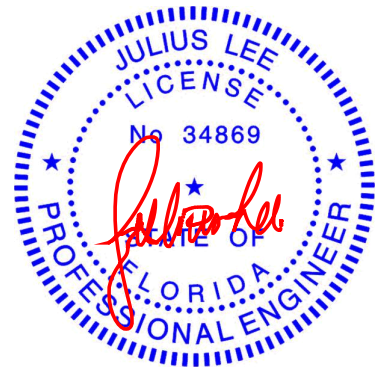
LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.36	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.27	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S						Weight: 38 lb	FT = 20%

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

REACTIONS. (size) 1=11-8-0, 3=11-8-0, 4=11-8-0
Max Horz 1=43(LC 11)
Max Uplift 1=-18(LC 12), 3=-18(LC 12)
Max Grav 1=193(LC 23), 3=193(LC 24), 4=459(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-305/152

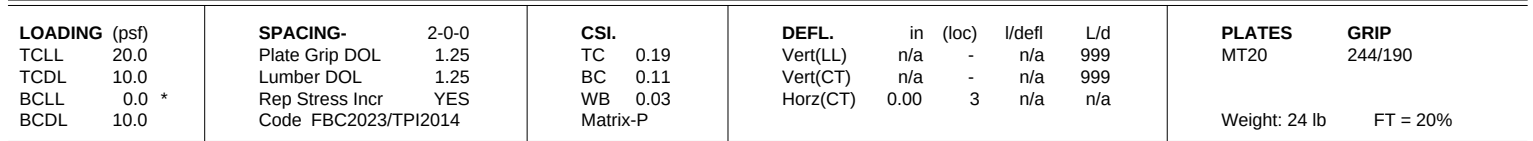
- NOTES-
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-7-9 to 3-7-9, Zone1 3-7-9 to 5-10-8, Zone2 5-10-8 to 10-1-7, Zone1 10-1-7 to 11-1-7 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 18 lb uplift at joint 1 and 18 lb uplift at joint 3.



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

March 27,2025

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 13:12:16 2025 Page 1
 ID:Xuq6PrCqXRW3EgUaFmrdpzaMli-lmNLVsO9nFIBk4O7pXzQz_jXVP7QzFY7Bvn!/?lZx2pz
 3-10-8 7-9-0
 3-10-8 3-10-8
 4x4 = Scale = 1:14.2



- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl.; GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1 and 17 lb uplift at joint 3.



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 Components Association (www.sbcscomponents.com)

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314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1635-CR-14x10 Lanai	T36800885
6250753	LV3	Valley	1	1	Job Reference (optional)	

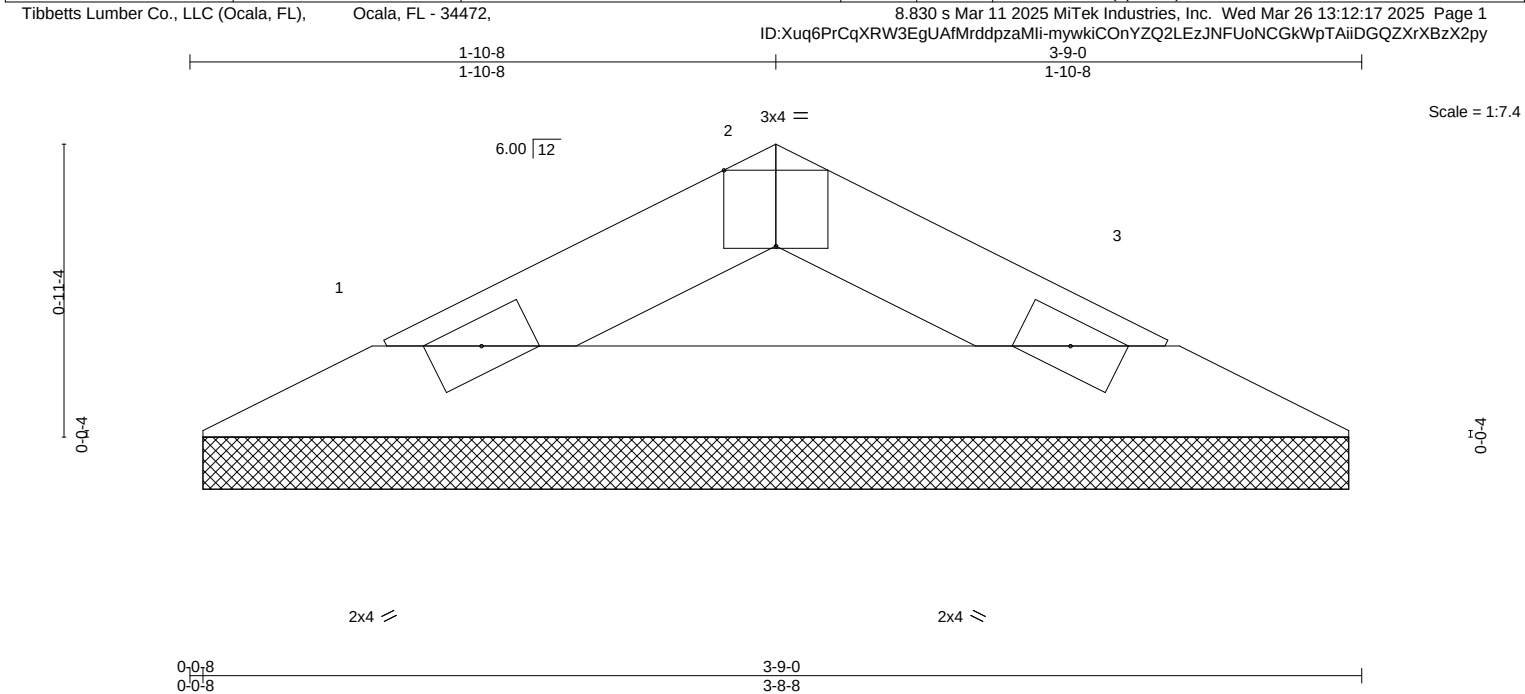


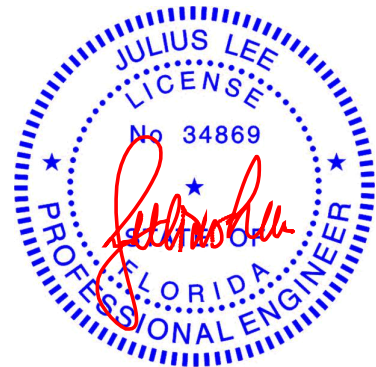
Plate Offsets (X,Y)--		[2:0-2:0,Edge]										
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 10 lb	FT = 20%

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

REACTIONS. (size) 1=3-8-0, 3=3-8-0
Max Horz 1=-10(LC 10)
Max Uplift 1=-4(LC 12), 3=-4(LC 12)
Max Grav 1=100(LC 1), 3=100(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.
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 - 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 4 lb uplift at joint 1 and 4 lb uplift at joint 3.

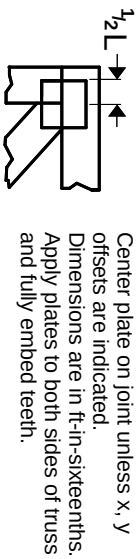


Julius Lee PE No. 34869
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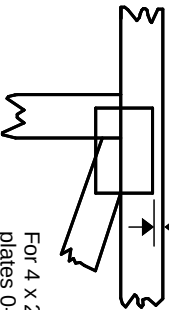
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Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

4 X 4

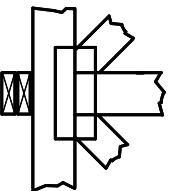
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

Industry Standards:

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

Numbering System

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

1

2

3 Joint ID typ.

