



RE: 6242619
1635-CR-Frame-14x10 Lanai

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

Site Information:

Customer: Adams Homes-Gainesville Project Name: 6242619
Lot/Block: 090 Model: 1635-CR-14x10 Lanai
Address: 281 SW Silver Palm Dr Subdivision: The Preserve at Laurel Lake
City: Lake City State: FL

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

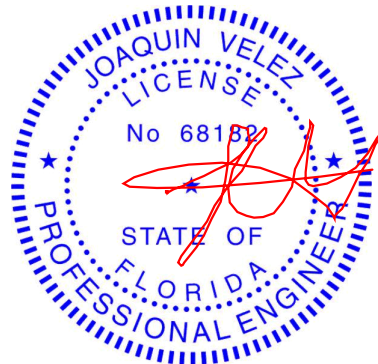
Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 37 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T34967837	A01	9/11/2024	21	T34967857	C5X	9/11/2024
2	T34967838	A02	9/11/2024	22	T34967858	D01X	9/11/2024
3	T34967839	A03	9/11/2024	23	T34967859	E1	9/11/2024
4	T34967840	A04	9/11/2024	24	T34967860	E5L	9/11/2024
5	T34967841	A05	9/11/2024	25	T34967861	E7	9/11/2024
6	T34967842	A06	9/11/2024	26	T34967862	E7X	9/11/2024
7	T34967843	A07	9/11/2024	27	T34967863	F01	9/11/2024
8	T34967844	A08	9/11/2024	28	T34967864	F01X	9/11/2024
9	T34967845	A09	9/11/2024	29	T34967865	H5L	9/11/2024
10	T34967846	A10	9/11/2024	30	T34967866	H7	9/11/2024
11	T34967847	A11	9/11/2024	31	T34967867	J1	9/11/2024
12	T34967848	B01	9/11/2024	32	T34967868	J2	9/11/2024
13	T34967849	B01X	9/11/2024	33	T34967869	L01	9/11/2024
14	T34967850	B02	9/11/2024	34	T34967870	L02	9/11/2024
15	T34967851	B03	9/11/2024	35	T34967871	LV1	9/11/2024
16	T34967852	C1	9/11/2024	36	T34967872	LV2	9/11/2024
17	T34967853	C1L	9/11/2024	37	T34967873	LV3	9/11/2024
18	T34967854	C3	9/11/2024				
19	T34967855	C3L	9/11/2024				
20	T34967856	C5	9/11/2024				

The truss drawing(s) referenced above have been prepared by
MiTek USA, Inc. under my direct supervision
based on the parameters provided by Tibbetts Lumber Co., LLC.
Truss Design Engineer's Name: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2025.
Florida COA: 6634

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



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

September 11, 2024

Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967837
6242619	A01	Roof Special	8	1		

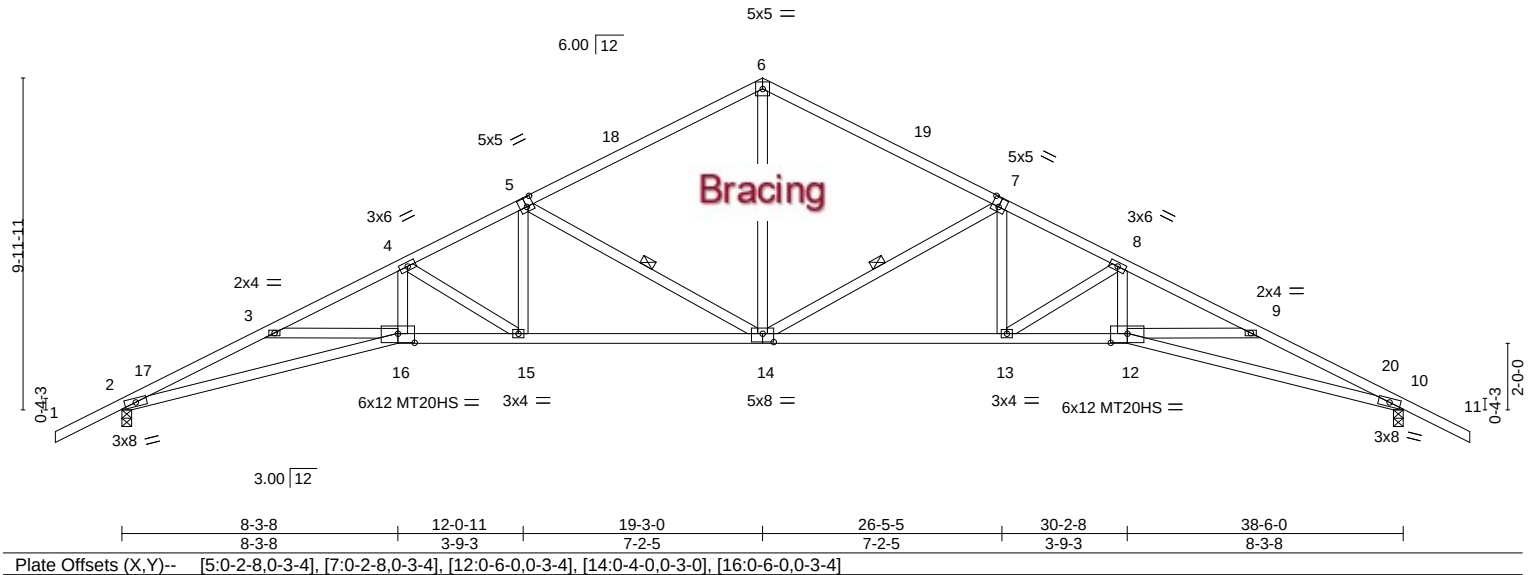
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:32 2024 Page 1

ID:Xuq6PrCqXRW3EgUafMrddpzaMli-t_zFx2bPPYPNCVCeP4GsgQ9dlhsum2n1EOp9wuyf0ff

-2-0-0	4-7-0	8-3-8	12-0-11	19-3-0	26-5-5	30-2-8	33-11-0	38-6-0	40-6-0
2-0-0	4-7-0	3-8-8	3-9-3	7-2-5	7-2-5	3-9-3	3-8-8	4-7-0	2-0-0

Scale = 1:69.2



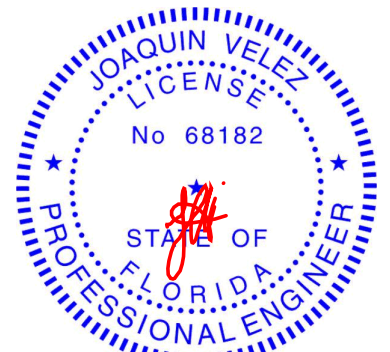
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.98	Vert(LL)	-0.45 14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.97	Vert(CT)	-0.94 13-14	>485	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.45	Horz(CT)	0.63 10	n/a	n/a		
BCDL 10.0	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.
2-16,10-12: 2x4 SP M 31 or 2x4 SP SS	WEBS 1 Row at midpt 7-14, 5-14
WEBS 2x4 SP No.2	

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; 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.
 - 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.



Joaquin Velez PE No.68182
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Date:

September 11,2024

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

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

MiTek®
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314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967838
6242619	A02	Hip	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:33 2024 Page 1
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Job Reference (optional)
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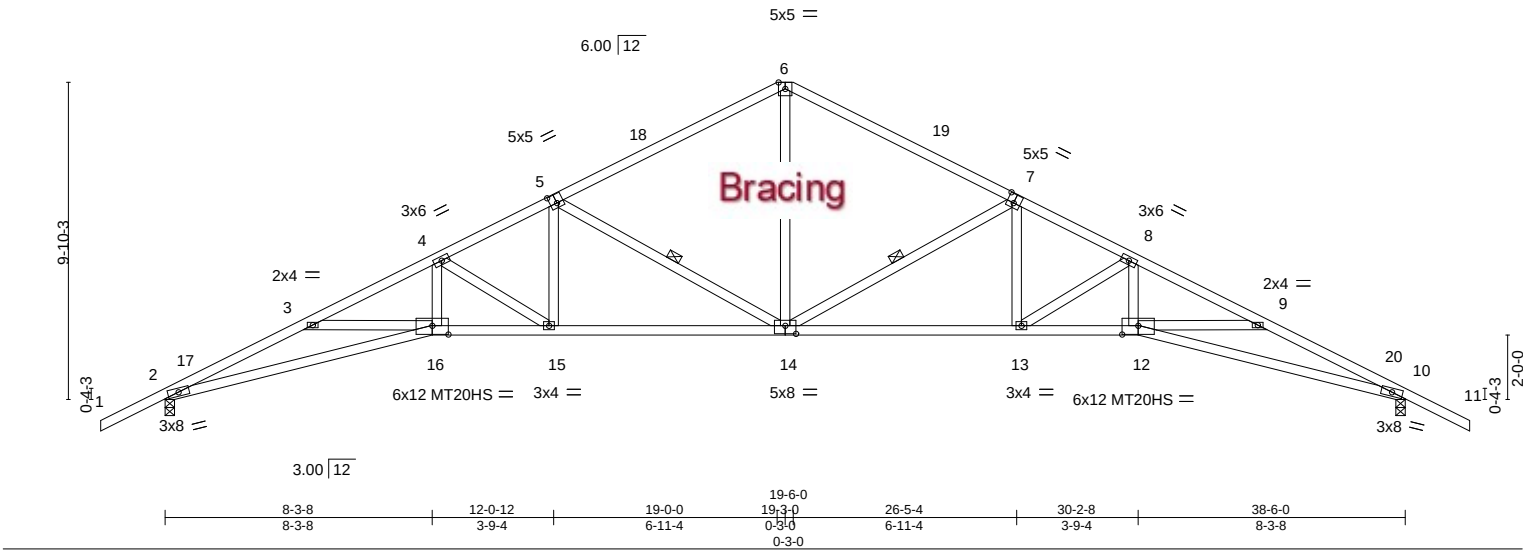


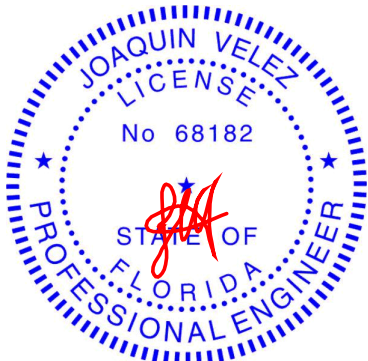
Plate Offsets (X,Y)--		[5:0-2-8,0-3-4], [7:0-2-8,0-3-4], [12:0-6-0,0-3-4], [14:0-4-0,0-3-0], [16:0-6-0,0-3-4]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.98
TCDL 10.0	Lumber DOL	1.25	BC 0.97
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.45
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S
		DEFL.	in (loc) l/defl L/d
		Vert(LL)	-0.45 14 >999 360
		Vert(CT)	-0.94 13-14 >485 240
		Horz(CT)	0.63 10 n/a n/a
		Wind(LL)	0.25 14 >999 240
		PLATES	GRIP
		MT20	244/190
		MT20HS	187/143
		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; 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.
 - 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:

September 11,2024

Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967839
6242619	A03	Hip	1	1		
Job Reference (optional)						

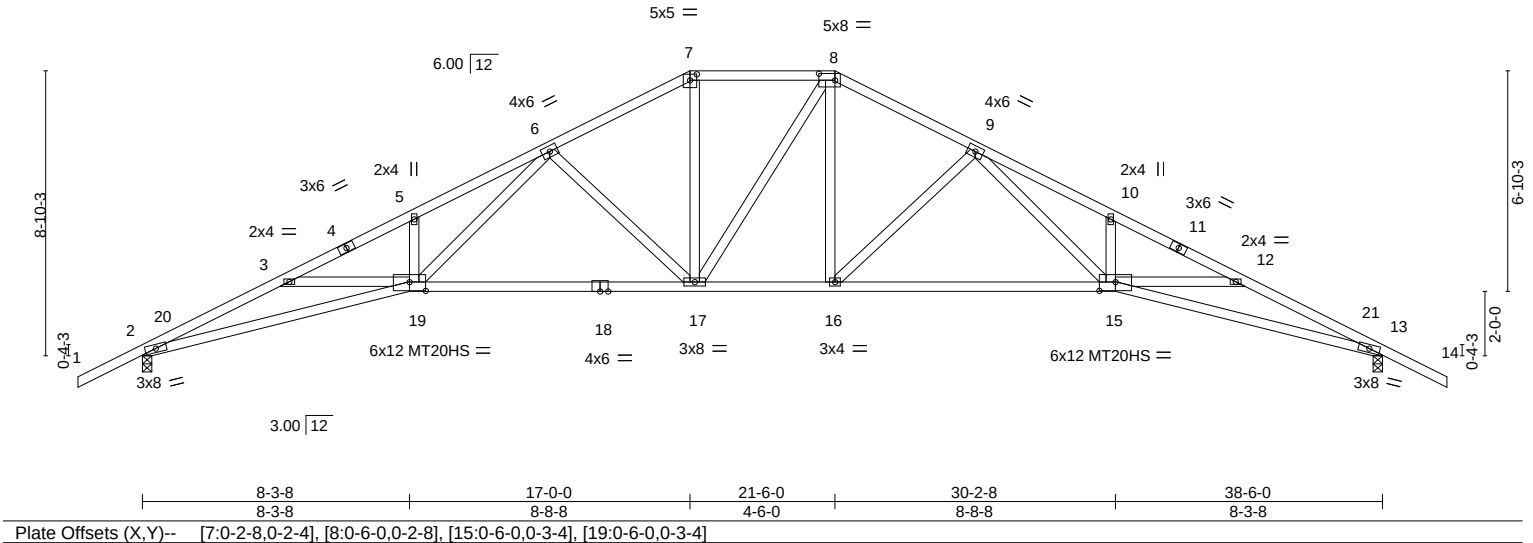
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:34 2024 Page 1

ID:Xuq6PrCqXRW3EgUafMrddpzaMli-pN5?Mkdfx935SpM1XVIKlrF1FUeKEvYKhlG?myf0fd

-2-0-0	4-6-11	8-3-8	12-7-12	17-0-0	21-6-0	25-10-4	30-2-8	33-11-5	38-6-0	40-6-0
2-0-0	4-6-11	3-8-13	4-4-4	4-4-4	4-6-0	4-4-4	4-4-4	3-8-13	4-6-11	2-0-0

Scale = 1:71.5



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 0.66	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%

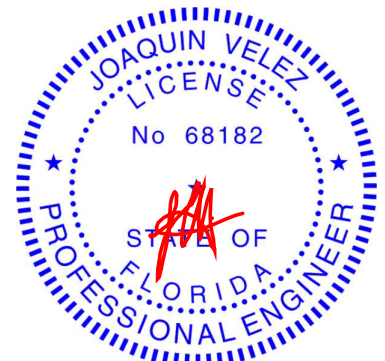
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

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-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) 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 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Bearing at joint(s) 2, 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=127, 13=127.



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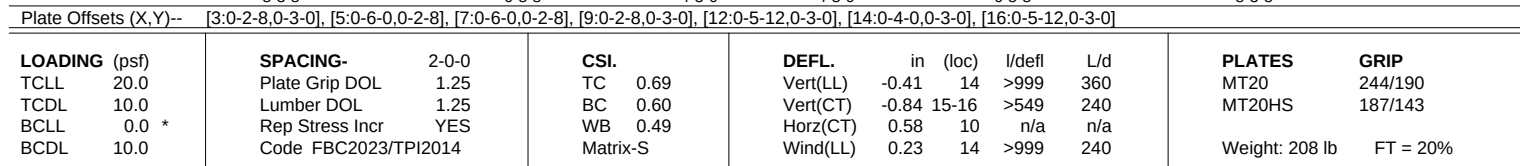
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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ID:Xuq6PrCqXRW3EgUAFmRddpzaMli-pN5?Mkdfx935SpM1XVikIrF1kUe8EYfKhilG?mYf0fd
|-2-0-0| 4-7-0 | 8-3-8 | 15-0-0 | 19-3-0 | 23-6-0 | 30-2-8 | 33-11-0 | 38-6-0 | 40-6-0 |
|-2-0-0| 4-7-0 | 3-8-8 | 6-8-8 | 4-3-0 | 4-3-0 | 6-8-8 | 3-8-8 | 4-7-0 | 2-0-0 |
Scale = 1:71.5



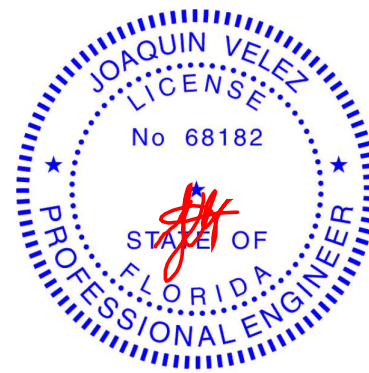
REACTIONS. (size) 2=0-3-8, 10=0-3-8
 Max Horz 2=-140(LC 10)
 Max Uplift 2=-127(LC 12), 10=-127(LC 12)
 Max Grav 2=1657(LC 1), 10=1657(LC 1)

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-**

 - 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDDL=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
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
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 - 9) 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:

September 11, 2024



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 Components Association (www.sbcsccomponents.com)

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

Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967841
6242619	A05	Hip	1	1		
Job Reference (optional)						

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

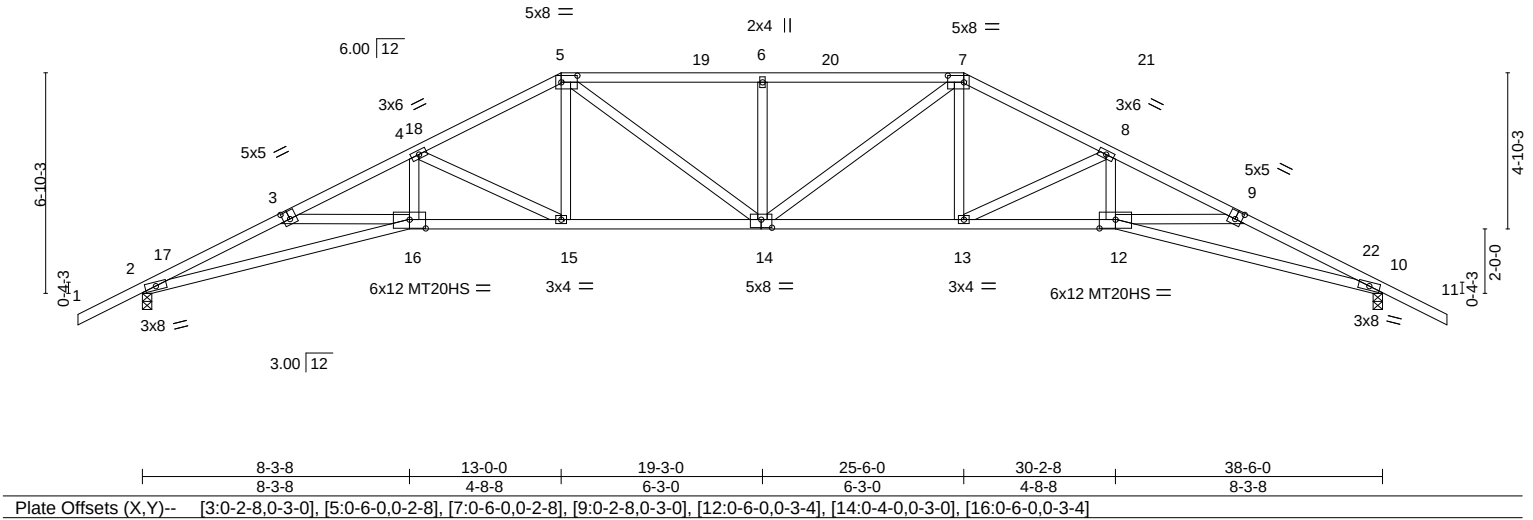
Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:35 2024 Page 1

ID:Xuq6PrCqXRW3EgUafMrddpzaMli-HZfOZ4dHiTBy3yxD5DpZl3nCSuu7zKKUwM2pXdyf0fc

-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



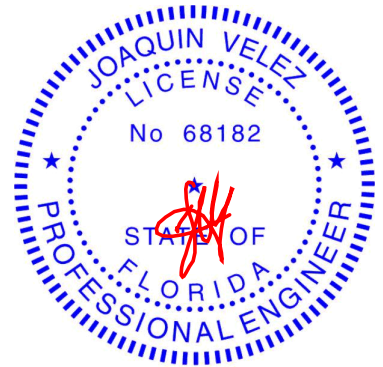
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.69	Vert(LL)	-0.48 14	>958	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 1.00	Vert(CT)	-0.96 13-14	>475	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.79	Horz(CT)	0.64 10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.27 14	>999	240	Weight: 200 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 1-4-12 oc bracing.
2-16,10-12: 2x4 SP M 31 or 2x4 SP SS	
WEBS 2x4 SP No.2	

REACTIONS.	(size) 2=0-3-8, 10=0-3-8
	Max Horz 2=-124(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=-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

- 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 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 25-6-0, Zone2 25-6-0 to 29-8-15, Zone1 29-8-15 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.



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

September 11,2024

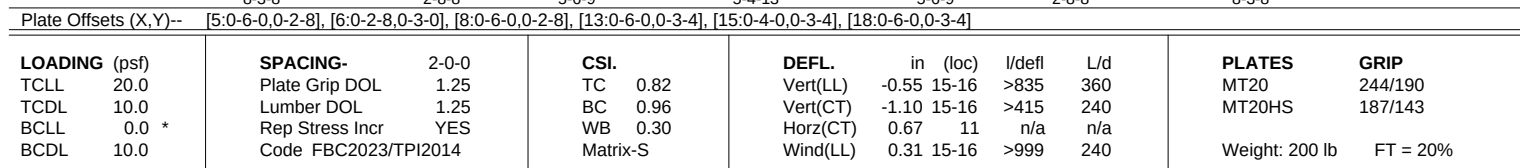
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:36 2024 Page 1
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|-2-0-0| 4-6-15 | 3-8-9 | 2-8-8 | 5-6-9 | 5-4-13 | 5-6-9 | 2-8-8 | 3-8-9 | 4-6-15 | 2-0-0 |
Scale = 1:70



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

TOP CHORD 2-3=-5201/379, 3-4=-4995/285, 4-5=-3723/256, 5-6=-4029/290, 6-7=-4033/289,
7-8=-4033/289, 8-9=-3723/264, 9-10=-4996/298, 10-11=-5201/391

BOT CHORD 2-18=-283/4676, 17-18=-136/4354, 16-17=-69/3340, 15-16=-126/4042, 14-15=-82/3339,
13-14=-161/4354, 11-13=-307/4676

WEBS 4-18=0/1232, 4-17=-1372/98, 5-17=-23/970, 5-16=-63/930, 6-16=-393/102,
7-15=-331/102, 8-15=-64/936, 8-14=-27/971, 9-14=-1374/104, 9-13=-3/1232

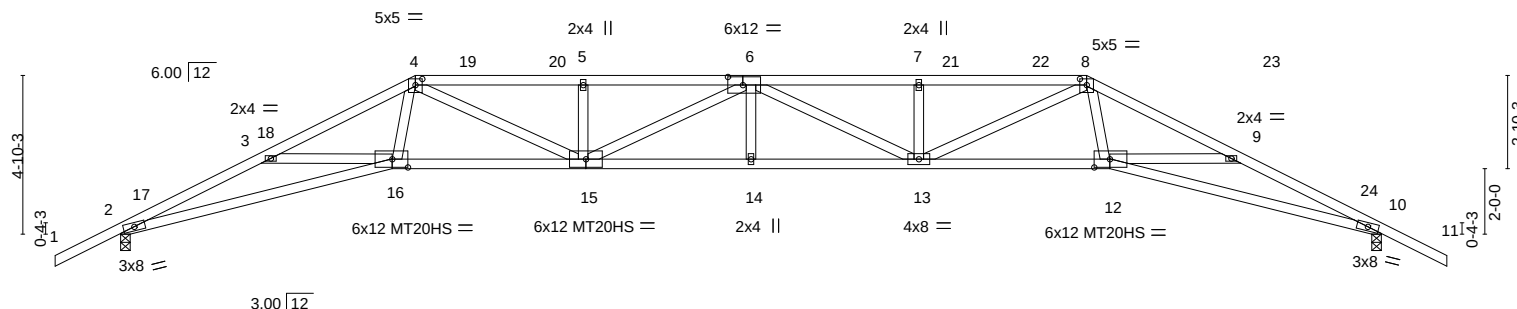
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September 11, 2024

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:37 2024 Page 1
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2-0-0	4-7-0	4-5-0	5-1-8	5-1-8	5-1-8	5-1-8	4-5-0	4-7-0	2-0-0

Scale = 1:70.4



	8-3-8	14-1-8	19-3-0	24-4-8	30-2-8	38-6-0
	8-3-8	5-10-0	5-1-8	5-1-8	5-10-0	8-3-8
Plate Offsets (X,Y)--	[4:0-2-8,0-2-4]	[6:0-5-8,0-3-0]	[8:0-2-8,0-2-4]	[12:0-5-12,0-3-0]	[16:0-5-12,0-3-0]	

LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL. in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.25	TC 0.93	Vert(LL) -0.68 14	>673	360	MT20	244/190
TCDL 10.0		Lumber DOL 1.25	BC 1.00	Vert(CT) -1.36 14	>336	240	MT20HS	187/143
BCLL 0.0 *		Rep Stress Incr YES	WB 0.34	Horz(CT) 0.72 10	n/a	n/a		
BCDL 10.0		Code FBC2023/TPI2014	Matrix-S	Wind(LL) 0.38 14	>999	240	Weight: 187 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP M 31 or 2x4 SP SS *Except* 4-6,6-8: 2x4 SP No.2
BOT CHORD	2x4 SP M 31 or 2x4 SP SS *Except* 15-16: 2x4 SP No.2
WEBS	2x4 SP No.2

BRACING-

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

REACTIONS.

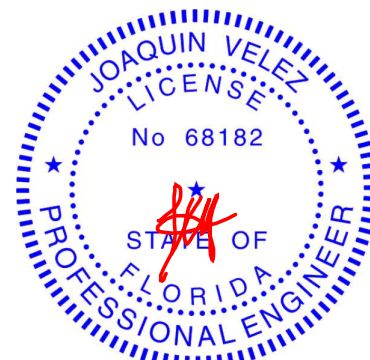
(size) 2=0-3-8, 10=0-3-8
 Max Horz 2=91(LC 11)
 Max Uplift 2=-127(LC 12), 10=-127(LC 12)
 Max Grav 2=1657(LC 1), 10=1657(LC 1)

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

TOP CHORD	2-3=-5207/393, 3-4=-4961/261, 4-5=-5313/339, 5-6=-5303/336, 6-7=-5292/335, 7-8=-5292/335, 8-9=-4961/273, 9-10=-5206/404
BOT CHORD	2-16=-297/4682, 15-16=-111/4040, 14-15=-217/5702, 13-14=-217/5702, 12-13=-129/4041, 10-12=-320/4681
WEBS	4-16=0/1323, 4-15=-95/1517, 5-15=-319/97, 6-15=-529/29, 6-13=-541/28, 7-13=-319/97, 8-13=-94/1495, 8-12=0/1324

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=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 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 29-6-0, Zone2 29-6-0 to 33-8-15, Zone1 33-8-15 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Bearing at joint(s) 2, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=127, 10=127.



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Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai
6242619	A08	Hip Girder	1	3	T34967844

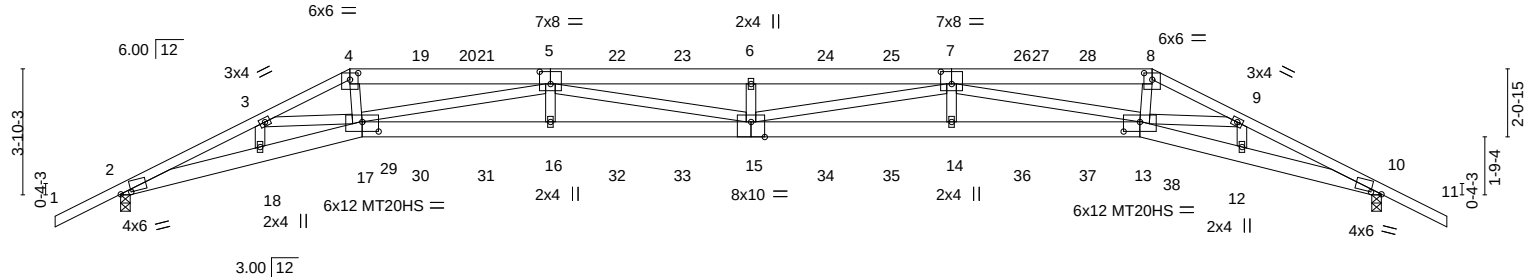
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:39 2024 Page 1

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-2-0-0	4-3-1	7-0-0	13-1-8	19-3-0	25-4-8	31-6-0	34-2-15	38-6-0	40-6-0
2-0-0	4-3-1	2-8-15	6-1-8	6-1-8	6-1-8	6-1-8	2-8-15	4-3-1	2-0-0

Scale = 1:70.4



	4-5-5	7-4-8	13-1-8	19-3-0	25-4-8	31-1-8	34-0-11	38-6-0			
	4-5-5	2-11-3	5-9-0	6-1-8	6-1-8	5-9-0	2-11-3	4-5-5			
Plate Offsets (X,Y)--	[2:0-3-15,0-0-2], [4:0-3-0,0-2-7], [5:0-4-0,0-4-8], [7:0-4-0,0-4-8], [8:0-3-0,0-2-7], [10:0-3-15,0-0-2], [13:0-6-0,0-3-8], [15:0-5-0,Edge], [17:0-6-0,0-3-8]										
LOADING (psf)	SPACING-		2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL		1.25	TC 0.28	Vert(LL)	-0.61	15	>753	360	MT20	244/190
TCDL 10.0	Lumber DOL		1.25	BC 0.46	Vert(CT)	-1.23	15	>371	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr		NO	WB 0.37	Horz(CT)	0.50	10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014			Matrix-S	Wind(LL)	0.40	15	>999	240	Weight: 699 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP DSS *Except*
1-4,8-11: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.2

BRACING-

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

REACTIONS.

(size) 2=0-3-8, 10=0-3-8
Max Horz 2=73(LC 26)
Max Uplift 2=-251(LC 8), 10=-278(LC 8)
Max Grav 2=3218(LC 1), 10=3263(LC 1)

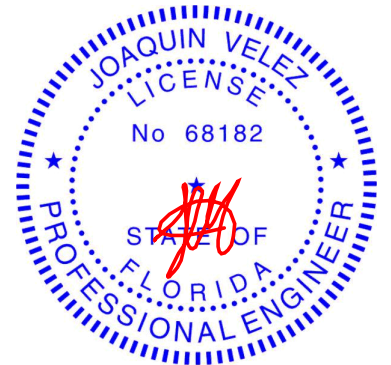
FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-11115/562, 3-4=-12308/706, 4-5=-12145/675, 5-6=-19977/1447, 6-7=-19977/1447,
7-8=-12347/788, 8-9=-12516/823, 9-10=-11283/665
BOT CHORD 2-18=-439/10054, 17-18=-451/10257, 16-17=-1087/17675, 15-16=-1087/17675,
14-15=-1214/17897, 13-14=-1214/17897, 12-13=-546/10415, 10-12=-533/10207
WEBS 3-18=-507/100, 3-17=-186/1429, 4-17=-117/4824, 5-17=-5803/552, 5-16=0/472,
5-15=-249/2430, 6-15=-836/276, 7-15=-118/2200, 7-14=0/471, 7-13=-5826/566,
8-13=-146/4878, 9-13=-214/1468, 9-12=-522/103

NOTES-

- 1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) 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
- 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 6) Provide adequate drainage to prevent water ponding.
- 7) All plates are MT20 plates unless otherwise indicated.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * 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.
- 10) 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.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=251, 10=278.

Continued on page 2



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Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai
6242619	A08	Hip Girder	1	3	T34967844

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

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:39 2024 Page 2
ID:Xuq6PrCqXRW3EgUAFMrddpzaMli-AKvuPRhomihOYaE_K2uVSvy_zVNVvFr3r_01g_yf0fY

NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 265 lb down and 180 lb up at 7-0-0, 123 lb down and 83 lb up at 9-0-12, 123 lb down and 83 lb up at 11-0-12, 123 lb down and 83 lb up at 13-0-12, 123 lb down and 83 lb up at 15-0-12, 123 lb down and 83 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 286 lb down and 192 lb up at 31-6-0 on top chord, and 318 lb down at 7-0-0, 96 lb down at 9-0-12, 96 lb down at 11-0-12, 96 lb down at 13-0-12, 96 lb down at 15-0-12, 96 lb down at 17-0-12, 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 318 lb down 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, 4-8=-60, 8-11=-60, 2-17=-20, 13-17=-20, 10-13=-20

Concentrated Loads (lb)

Vert: 4=-218(B) 8=-239(B) 5=-123(B) 16=-48(B) 15=-96(B) 6=-247(B) 7=-144(B) 14=-48(B) 19=-123(B) 21=-123(B) 22=-123(B) 23=-123(B) 24=-144(B) 25=-144(B) 26=-144(B) 28=-144(B) 29=-277(B) 30=-48(B) 31=-48(B) 32=-48(B) 33=-48(B) 34=-48(B) 35=-48(B) 36=-48(B) 37=-48(B) 38=-277(B)

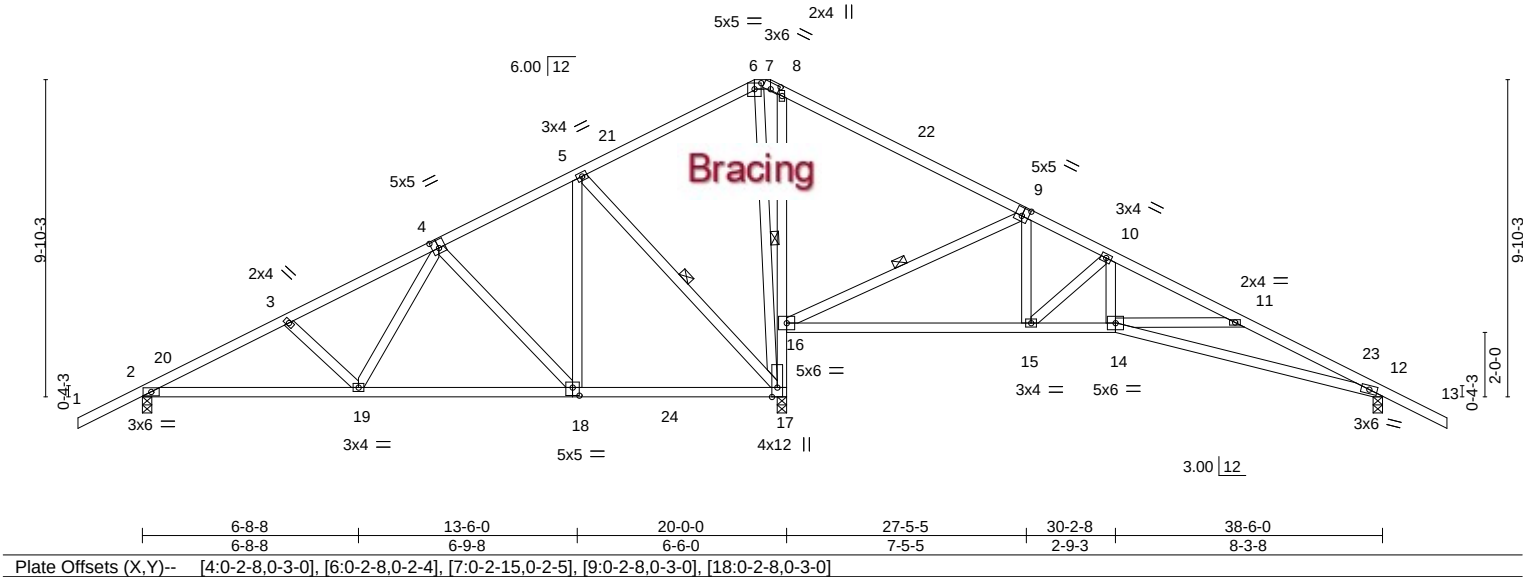
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MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai
6242619	A09	Hip	4	1	T34967845

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:39 2024 Page 1
ID:Xuq6PrCqXRW3EgUafMrddpzaMli-AKvuPRhomihOYaE_K2uVSyvcVHqvFw3r_01g_yf0fY
Job Reference (optional)
Scale = 1:71.5



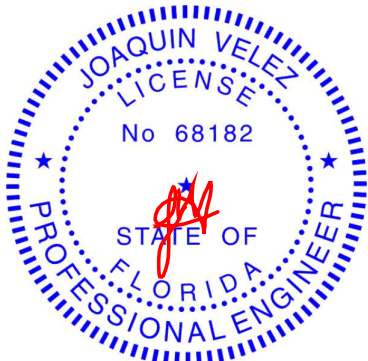
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.62	Vert(LL)	-0.18 12-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.89	Vert(CT)	-0.39 12-14	>573	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.36	Horz(CT)	-0.04 12	n/a	n/a		
BCDL 10.0	Code 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	WEBS 4-8-2 oc bracing: 16-17. 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.



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

September 11,2024

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Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai
6242619	A10	Roof Special	2	1	T34967846
Job Reference (optional)					

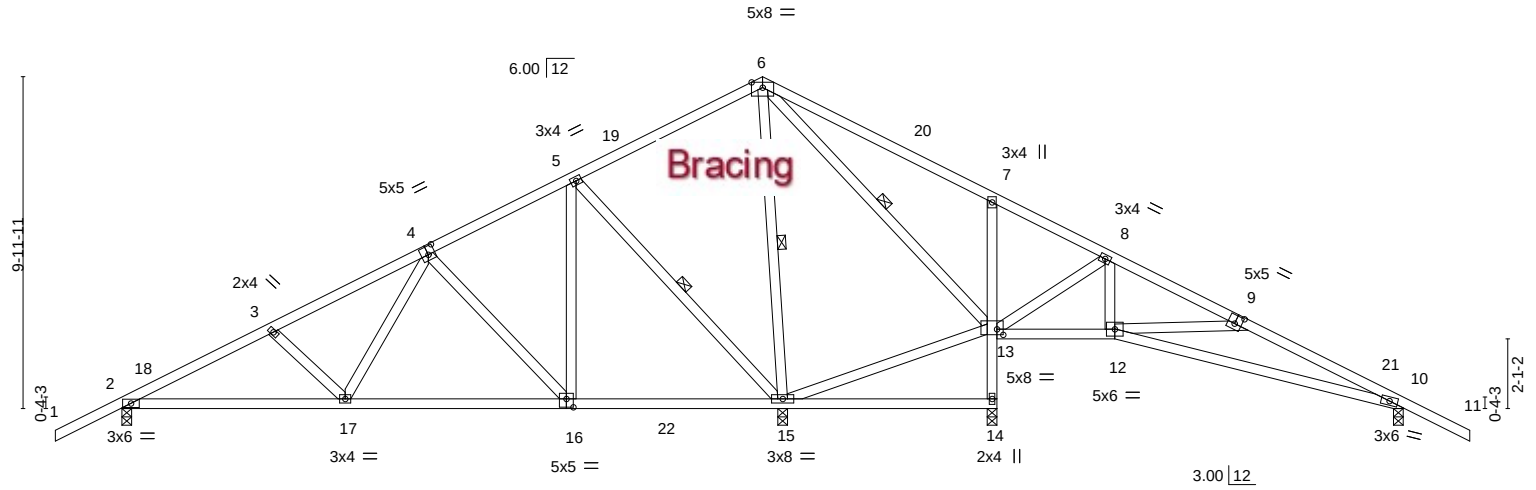
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:40 2024 Page 1

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-2-0-0	4-6-9	9-2-8	13-6-0	19-3-0	26-3-8	29-10-0	33-6-11	38-6-0	40-6-0
2-0-0	4-6-9	4-7-14	4-3-8	5-9-0	7-0-8	3-6-8	3-8-11	4-11-5	2-0-0

Scale = 1:69.2



	6-8-8	13-6-0	19-10-4	26-1-12	26-3-8	29-10-0	38-6-0
	6-8-8	6-9-8	6-4-4	6-3-8	0-1-12	3-6-8	8-8-0
Plate Offsets (X,Y)--	[4:0-2-8,0-3-0], [9:0-2-8,0-3-0], [13:0-2-4,0-2-0], [16:0-2-8,0-3-0]						

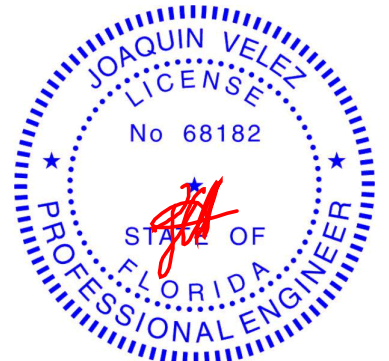
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.61	Vert(LL)	-0.19 10-12	>780	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.68	Vert(CT)	-0.38 10-12	>388	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.42	Horz(CT)	0.02 10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.02 16-17	>999	240	Weight: 234 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-11-6 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

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=105(LC 12)
Max Grav	All reactions 250 lb or less at joint(s) except 2=746(LC 17), 14=770(LC 24), 10=474(LC 18), 15=1858(LC 17)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-963/107, 3-4=-800/96, 5-6=0/622, 6-7=0/686, 7-8=-15/685, 9-10=-515/57
BOT CHORD	2-17=-23/915, 16-17=0/530, 13-14=-716/106, 7-13=-396/170, 10-12=-5/431
WEBS	4-17=0/467, 4-16=-510/68, 5-16=0/629, 5-15=-883/114, 6-15=-801/36, 13-15=-548/153, 8-13=-528/0, 8-12=0/384, 9-12=-467/151

- 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) 14, 10, 15 except (jt=lb) 2=105.



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

September 11,2024

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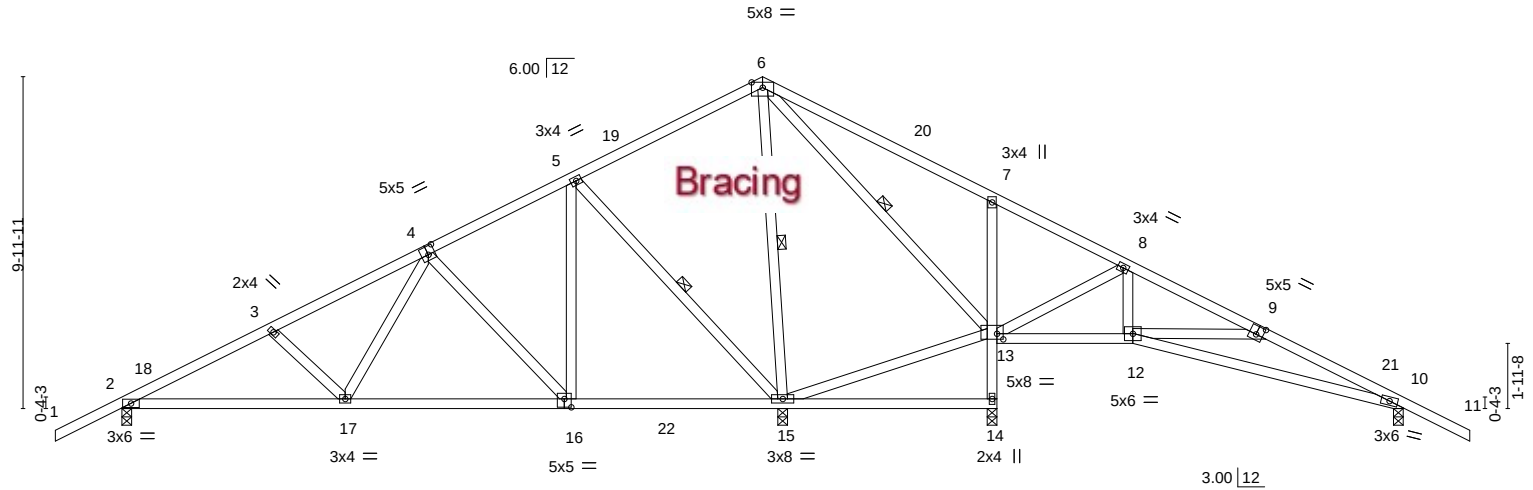
Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai
6242619	A11	Roof Special	1	1	T34967847

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

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:41 2024 Page 1
ID: Xuq6PrCqXRW3EgUAFMrddpzaMli-6j0fq7i2HJx6otONRTwzXK1FGJ1yN8eMliV7ksyf0fW

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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

Scale = 1:69.2



	6-8-8	13-6-0	19-10-4	26-3-8	30-4-8	38-6-0
	6-8-8	6-9-8	6-4-4	6-5-4	4-1-0	8-1-8
Plate Offsets (X,Y)--	[4:0-2-8,0-3-0],	[9:0-2-8,0-3-0],	[13:0-2-4,0-2-0],	[16:0-2-8,0-3-0]		

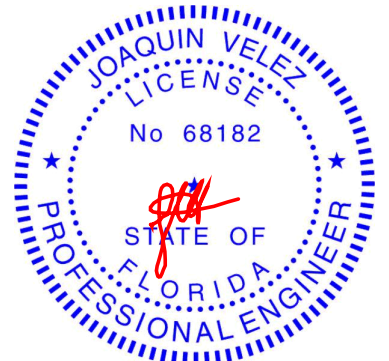
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.61	Vert(LL)	-0.15 10-12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.59	Vert(CT)	-0.29 10-12	>504	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.41	Horz(CT)	0.02 10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.02 16-17	>999	240	Weight: 235 lb	FT = 20%

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

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=105(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=744(LC 17), 14=789(LC 24), 10=463(LC 18), 15=1845(LC 17)

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-**
- 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) 14, 10, 15 except (jt=lb) 2=105.



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

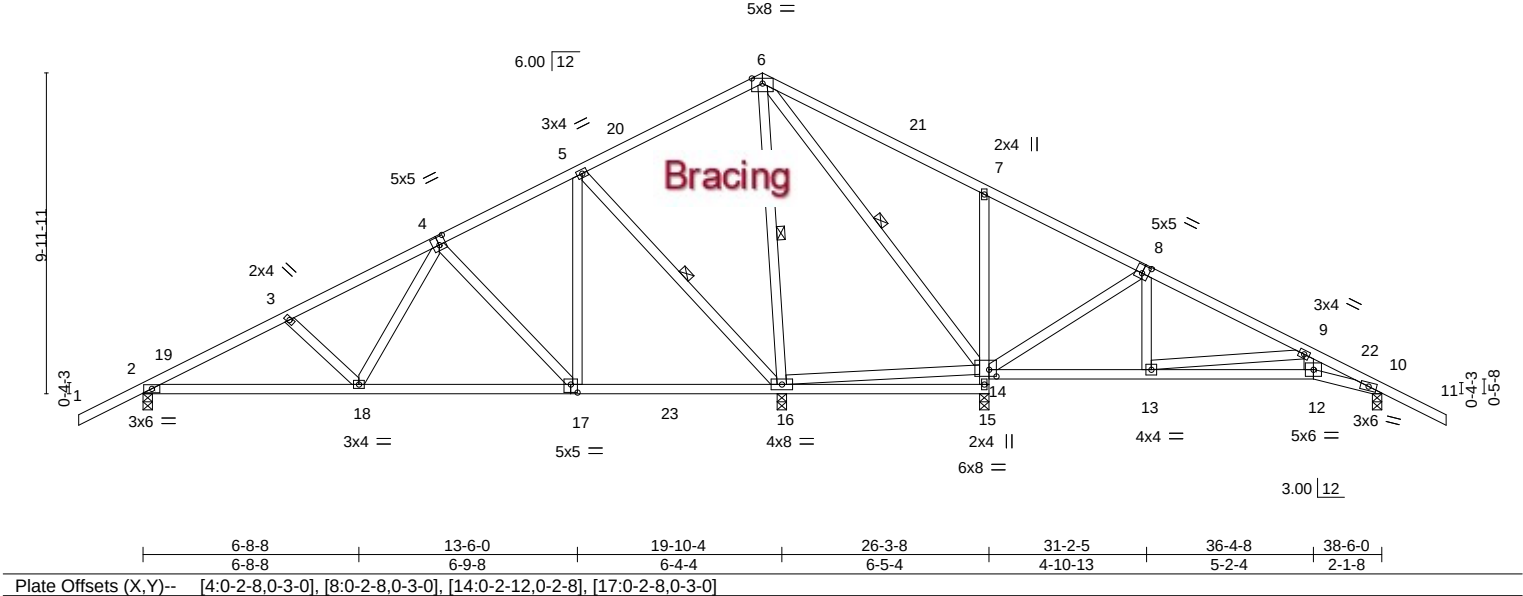
September 11,2024

Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967848
6242619	B01	Roof Special	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:41 2024 Page 1
ID:Xuq6PrCqXRW3EgUafMrddpzaMli-6jOfq7i2HJx6otONRTwzXK1FNJ4FN9XMIIV7ksyf0fW

-2-0-0	4-6-9	9-2-8	13-6-0	19-3-0	26-3-8	31-2-5	36-4-8	38-6-0	40-6-0
2-0-0	4-6-9	4-7-14	4-3-8	5-9-0	7-0-8	4-10-13	5-2-4	2-1-8	2-0-0

Scale = 1:71.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.60	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 0.36	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: 241 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 5-11-4 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.

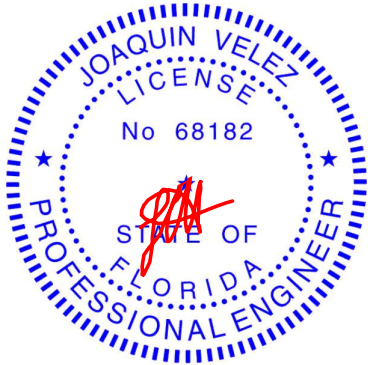
All bearings 0-3-8.
(lb) - Max Horz 2=175(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 15, 10 except 2=108(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=746(LC 17), 15=958(LC 18), 10=408(LC 24), 16=1691(LC 17)

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=0/621, 6-7=0/721, 7-8=-9/707, 9-10=-606/0
BOT CHORD 2-18=-31/915, 17-18=0/531, 14-15=-883/153, 7-14=-404/173, 12-13=0/462, 10-12=0/520
WEBS 4-18=0/466, 4-17=-510/68, 5-17=0/629, 5-16=-883/114, 6-16=-768/37, 14-16=-427/104, 8-14=-586/43, 8-13=0/284, 9-13=-537/51

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) 15, 10 except (jt=lb) 2=108.



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

September 11,2024

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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-Frame-14x10 Lanai
6242619	B01X	GABLE	1	1	T34967849
Job Reference (optional)					

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

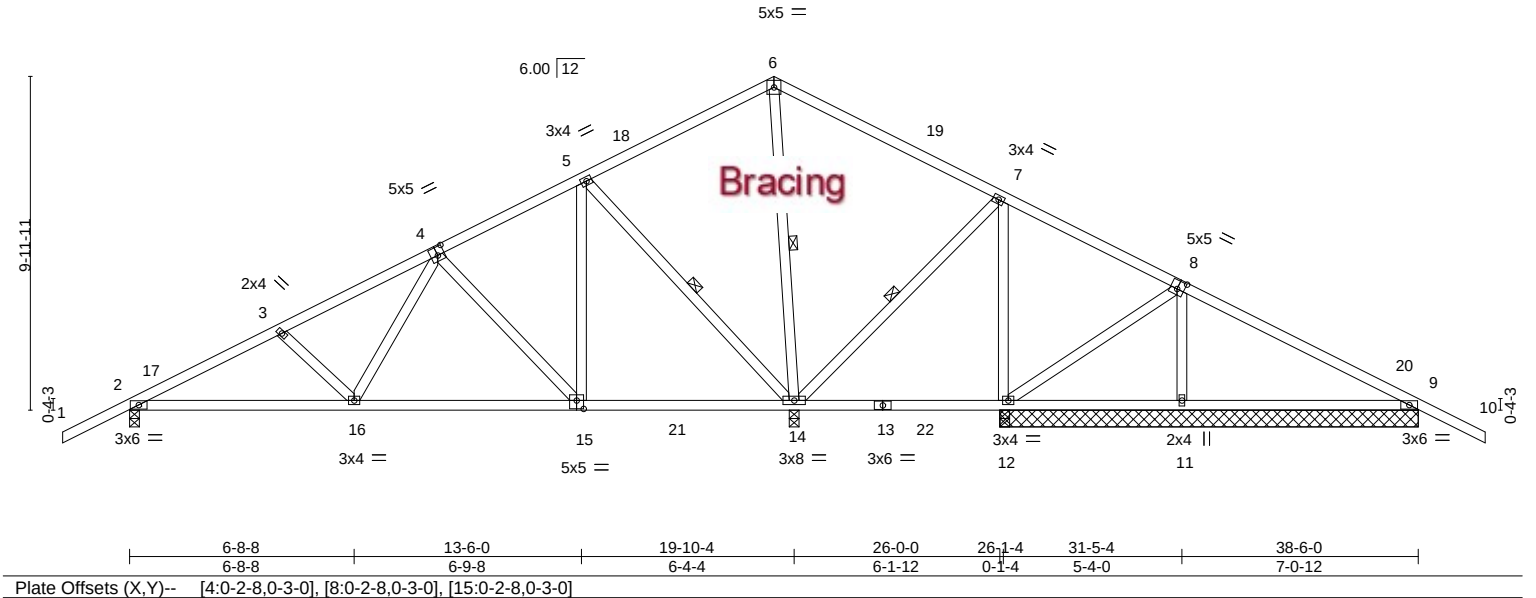
Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:42 2024 Page 1

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-2-0-0	4-6-9	9-2-8	13-6-0	19-3-0	26-1-4	31-5-4	38-6-0	40-6-0
2-0-0	4-6-9	4-7-14	4-3-8	5-9-0	6-10-4	5-4-0	7-0-12	2-0-0

Scale = 1:68.8



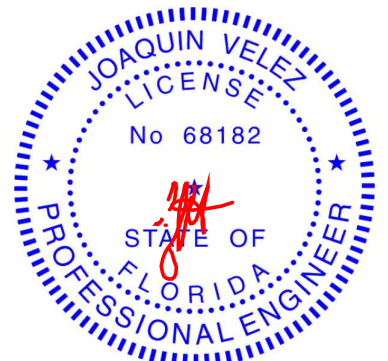
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.55	Vert(LL)	-0.07 9-11	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.45	Vert(CT)	-0.15 9-11	>567	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.35	Horz(CT)	0.02 14	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.02 15-16	>999	240	Weight: 222 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-11-9 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 5-14, 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; 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 12, 9.



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

September 11,2024

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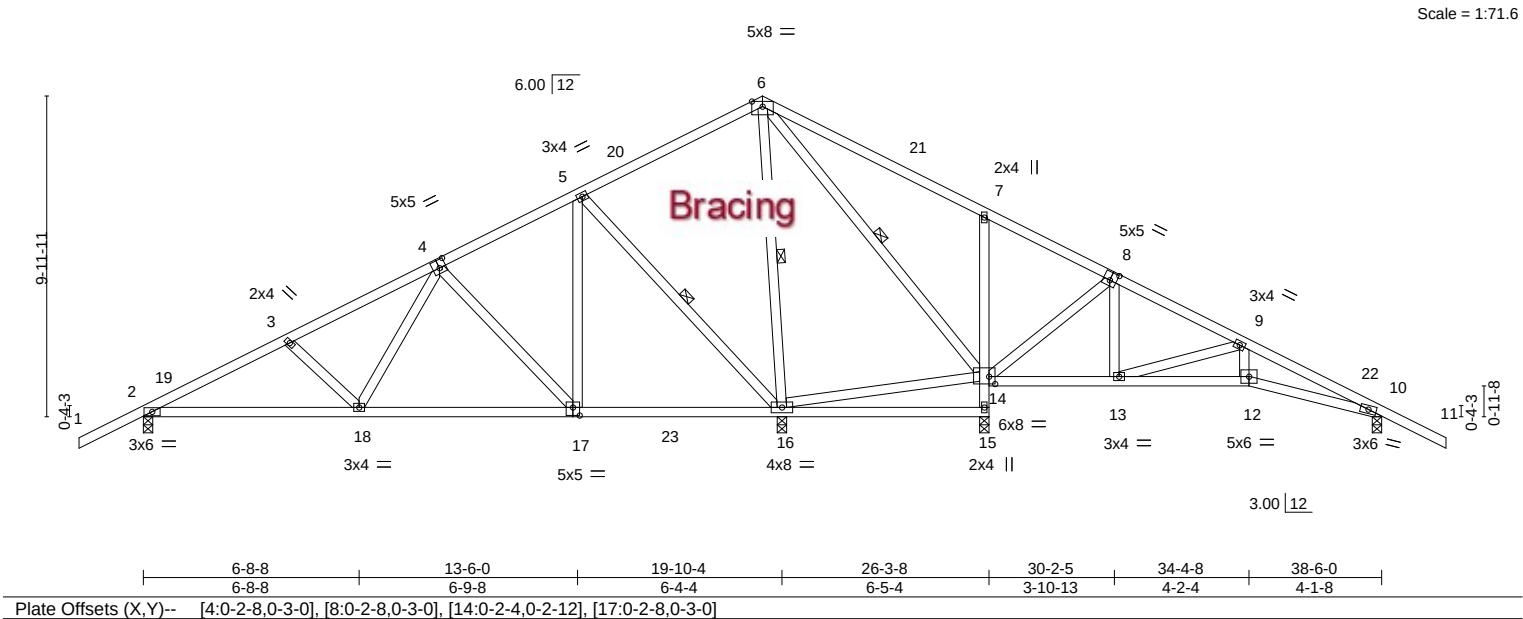
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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-Frame-14x10 Lanai
6242619	B02	Roof Special	1	1	T34967850

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:43 2024 Page 1
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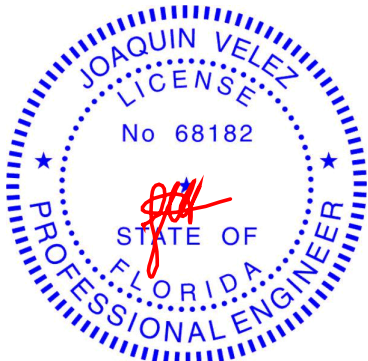
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.60	Vert(LL)	-0.05 2-18	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.45	Vert(CT)	-0.10 2-18	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.35	Horz(CT)	0.02 10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.02 17-18	>999	240	Weight: 239 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-11-3 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 5-16, 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; 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) 15, 10, 16 except (jt=lb) 2=109.



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

September 11,2024

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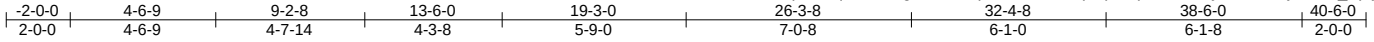
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai
6242619	B03	Roof Special	1	1	T34967851
Job Reference (optional)					

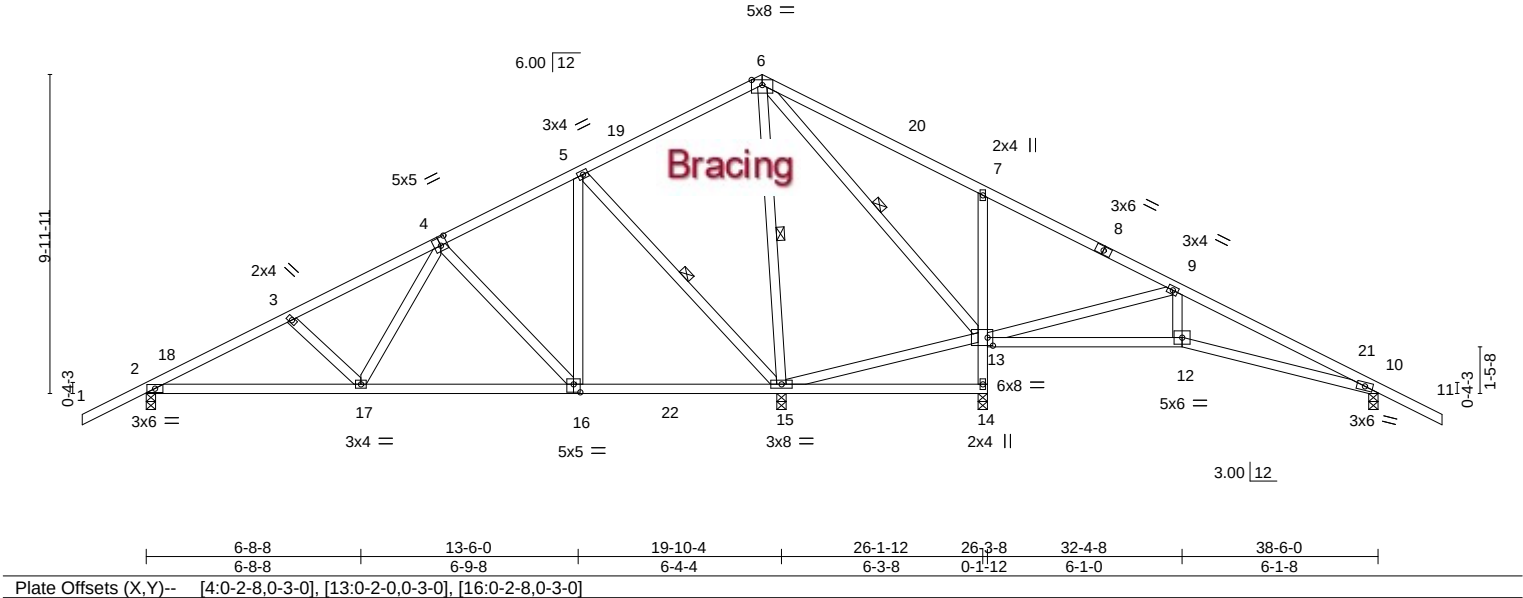
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:43 2024 Page 1

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Scale = 1:72.0



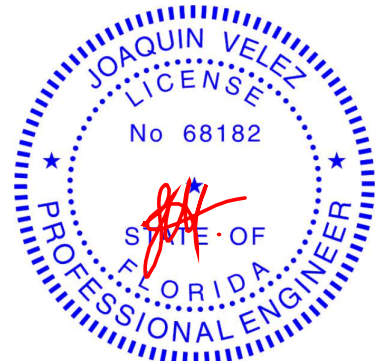
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.63	Vert(LL)	-0.05 2-17	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.45	Vert(CT)	-0.10 2-17	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.56	Horz(CT)	0.02 10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		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	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.

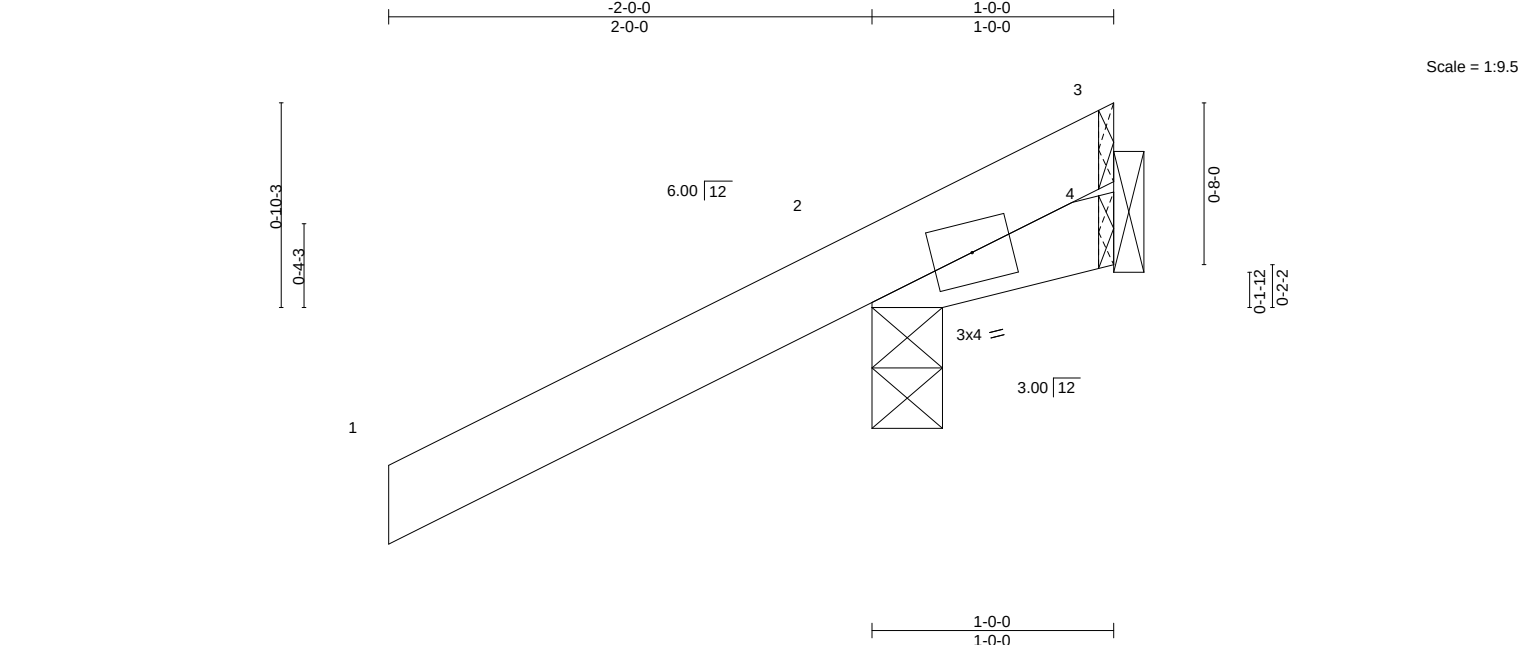


Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

September 11,2024

Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967852
6242619	C1	Corner Jack	4	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:44 2024 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 0.28	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%

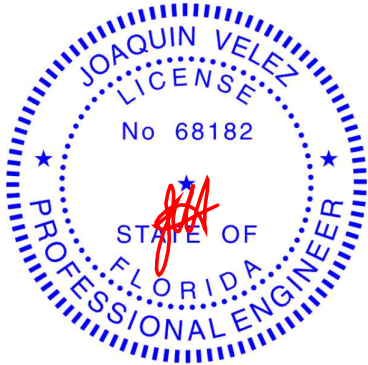
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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



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

September 11,2024

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967853
6242619	C1L	Corner Jack	4	1		

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

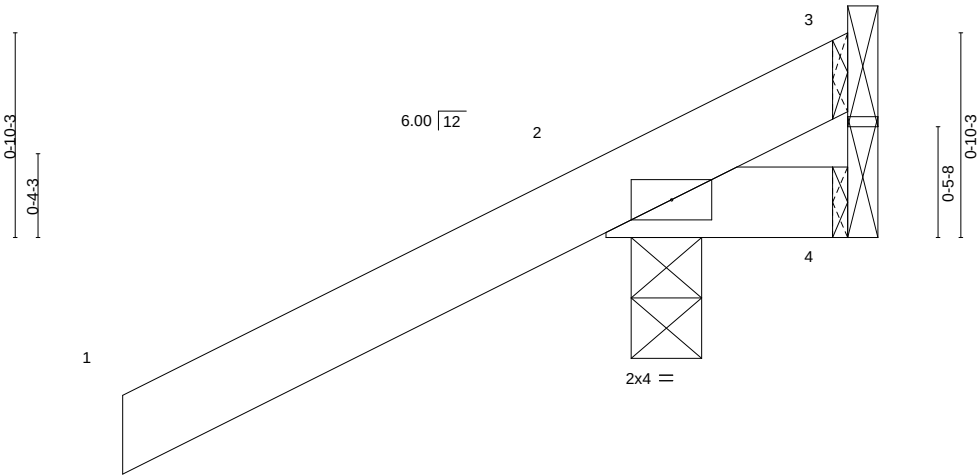
Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:44 2024 Page 1

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Scale = 1:9.5



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-

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

BRACING-

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

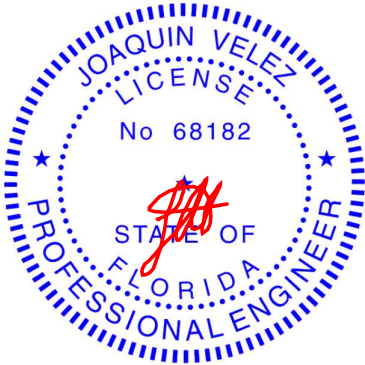
REACTIONS.

(size) 3=Mechanical, 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-

- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6-0 tall by 2'-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=100, 2=142.



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

September 11,2024

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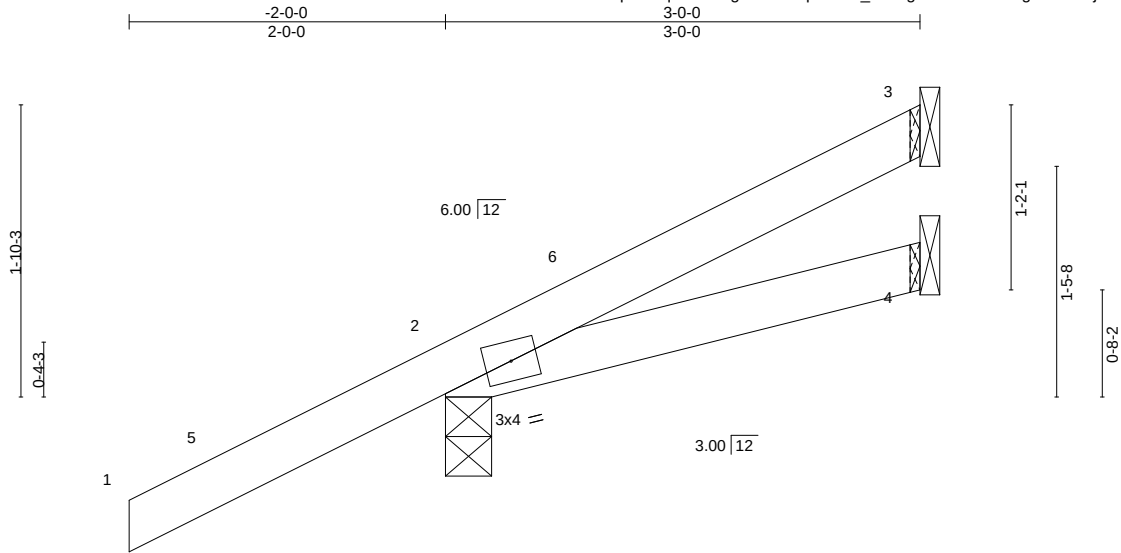
Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967854
6242619	C3	Corner Jack	4	1		
Job Reference (optional)						

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

Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:45 2024 Page 1

ID:Xuq6PrCqXRW3EgUAFMrddpzaMli_UGAgVIZLYRXGVi8gJ?viAC?jwWmJ14yDwTLteyf0fS



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.32	Vert(LL)	-0.00 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-

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

BRACING-

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

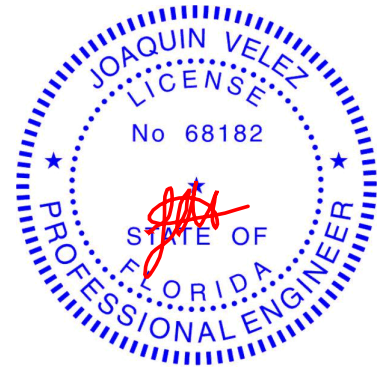
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=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-

- 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
- 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.
- Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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

September 11,2024

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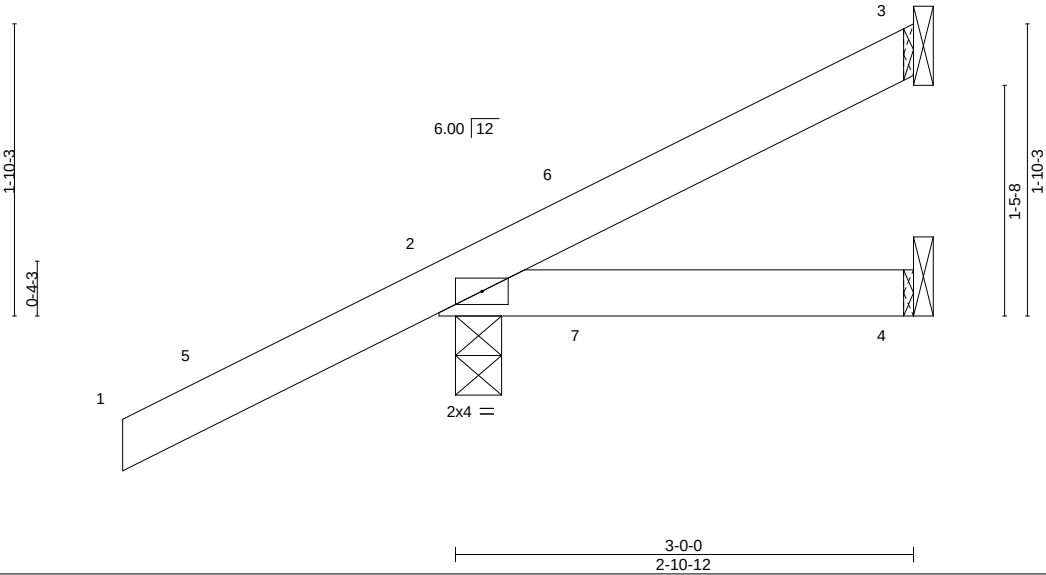
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai
6242619	C3L	Corner Jack	4	1	T34967855
Job Reference (optional)					

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:45 2024 Page 1
ID:Xuq6PrCqXRW3EgUAfMrddpzaMli_UGAgVIZLYRXGVi8gJ?viAC?fwWmJ14yDwTLteyf0fS



Scale = 1:14.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.33	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/TP12014		Matrix-P	Wind(LL)	0.00 2-4	>999	240	Weight: 13 lb	FT = 20%

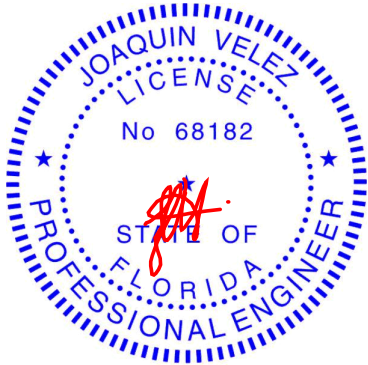
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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



Joaquin Velez PE No.68182
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Date:

September 11,2024

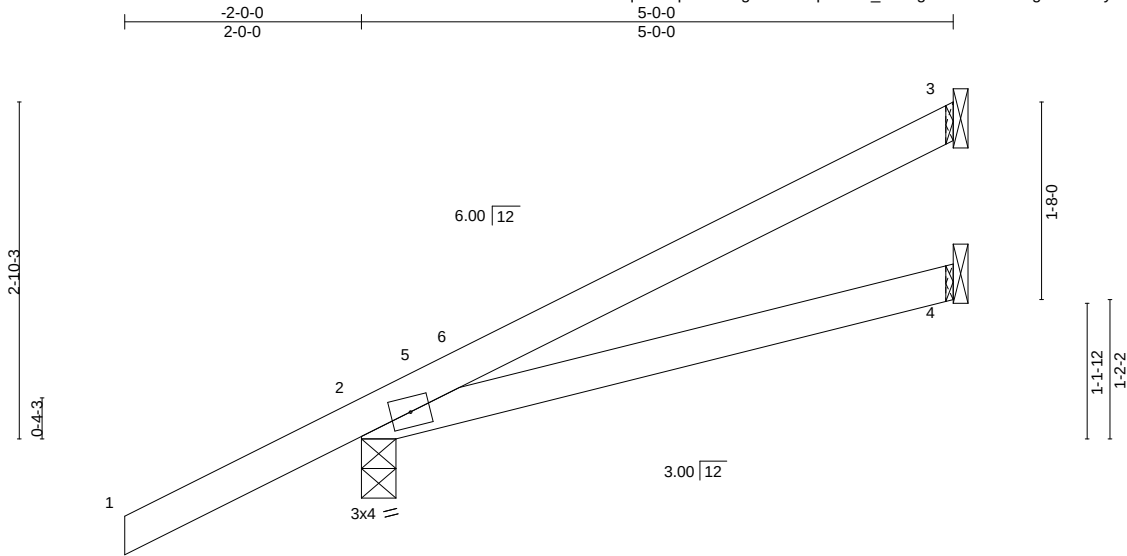
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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters 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-Frame-14x10 Lanai	T34967856
6242619	C5	Corner Jack	3	1		
Job Reference (optional)						

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:45 2024 Page 1
ID:Xuq6PrCqXRW3EgUAfMrddpzaMli-UGAgVIZLYRXGVi8gJ?viAC0yWThJ14yDwTLteyf0fS



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 0.29	Vert(CT)	-0.07 2-4	>882	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: 20 lb	FT = 20%

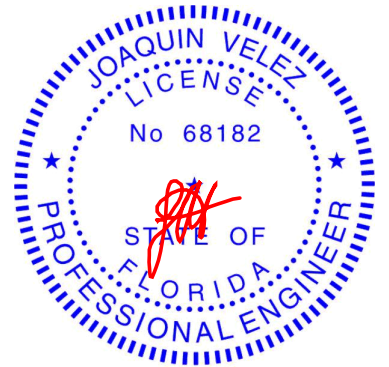
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 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-**
- 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
 - 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.
 - Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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

September 11,2024

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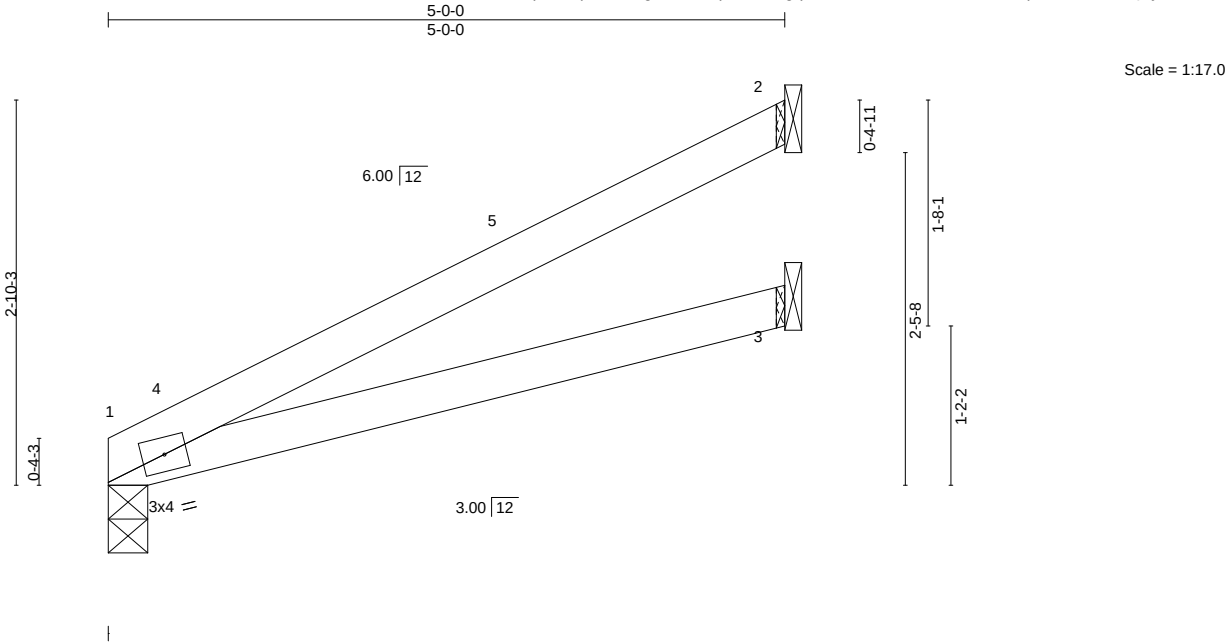
Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai
6242619	C5X	CORNER JACK	1	1	T34967857
Job Reference (optional)					

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

Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:46 2024 Page 1

ID:Xuq6PrCqXRW3EgUAFmRddpzaMli-SgqYtrmB6raOuFhKE0W8ENI91Kpw2UJ5SaCuQ4yf0fR



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 0.42	Vert(LL)	-0.03 1-3	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.29	Vert(CT)	-0.07 1-3	>882	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00 2	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00 1	****	240	Weight: 16 lb	FT = 20%

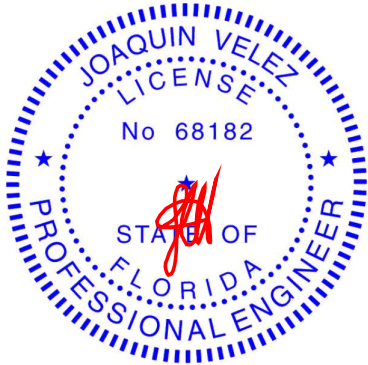
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 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.



Joaquin Velez PE No.68182

MiTek Inc. DBA MiTek USA FL Cert 6634

16023 Swingley Ridge Rd. Chesterfield, MO 63017

Date:

September 11,2024

Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai
6242619	D01X	GABLE	1	1	T34967858
Job Reference (optional)					

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

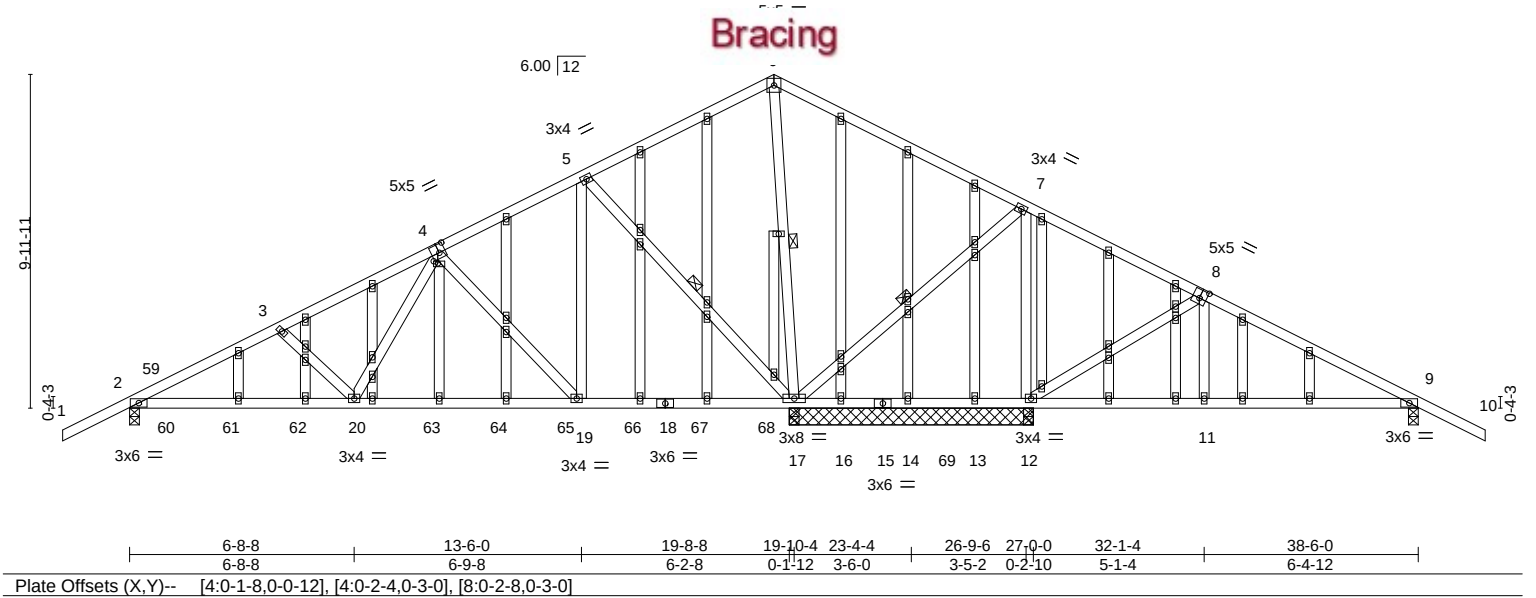
Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:47 2024 Page 1

ID:Xuq6PrCqXRW3EgUAFMrddpzaMli-xtNw5Anpt9iFWosXok1NnbHFik5mnr8FhDySyWyf0fQ

-2-0-0	4-6-9	9-2-8	13-6-0	19-3-0	26-9-6	32-1-4	38-6-0	40-6-0
2-0-0	4-6-9	4-7-14	4-3-8	5-9-0	7-6-6	5-3-14	6-4-12	2-0-0

Scale = 1:68.8



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-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) 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); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) 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.
 - 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 5) All plates are 2x4 MT20 unless otherwise indicated.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * 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.
 - 9) 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.
 - 10) 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.
 - 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

LOAD CASE(S) Standard

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September 11, 2024

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314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai
6242619	D01X	GABLE	1	1	T34967858
Job Reference (optional)					

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-Frame-14x10 Lanai	T34967859
6242619	E1	Jack-Closed	20	1		

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

Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:48 2024 Page 1

ID:Xuq6PrCqXRW3EgUafMrddpzaMli-P3xIIWnReTq67yQjLRYcKoqXa8YnWOpOvth?Uyyf0fP



Scale = 1:9.5

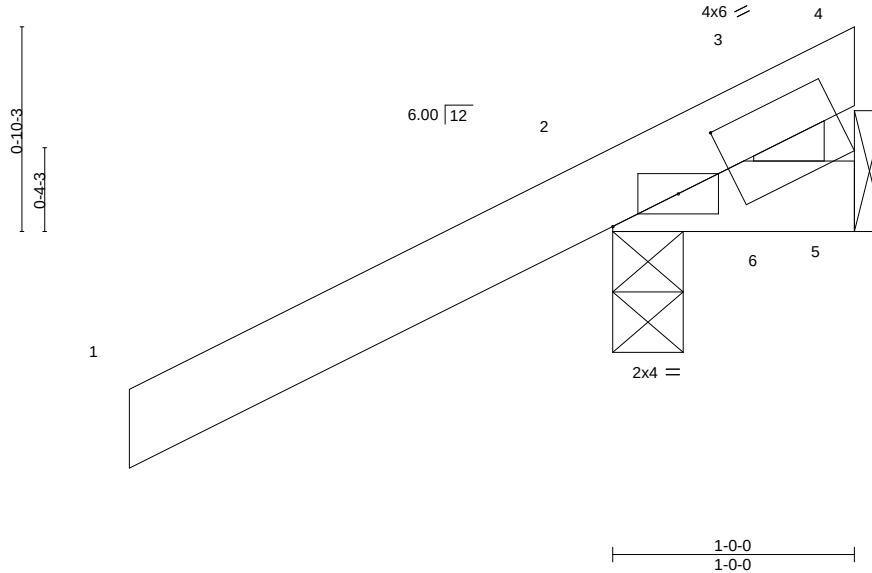


Plate Offsets (X,Y)--		[3:0-6-7,0-2-0]	
LOADING (psf)		SPACING-	2-0-0
TCLL 20.0		Plate Grip DOL	1.25
TCDL 10.0		Lumber DOL	1.25
BCLL 0.0 *		Rep Stress Incr	YES
BCDL 10.0		Code	FBC2023/TPI2014
		CSI.	
		TC	0.28
		BC	0.07
		WB	0.00
		Matrix-P	
		DEFL.	
		in (loc)	l/defl L/d
		Vert(LL)	0.00 2 >999 360
		Vert(CT)	0.00 2 >999 240
		Horz(CT)	0.00 n/a n/a
		Wind(LL)	-0.00 2 >999 240
		PLATES	GRIP
		MT20	244/190
		Weight: 7 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 1-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

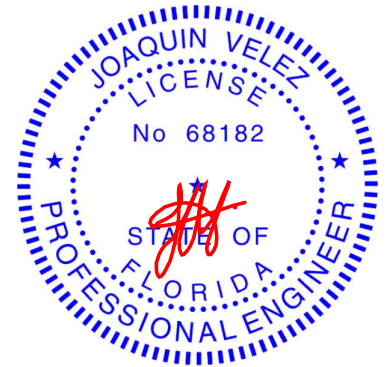
REACTIONS.

(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-

- 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.



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

September 11,2024

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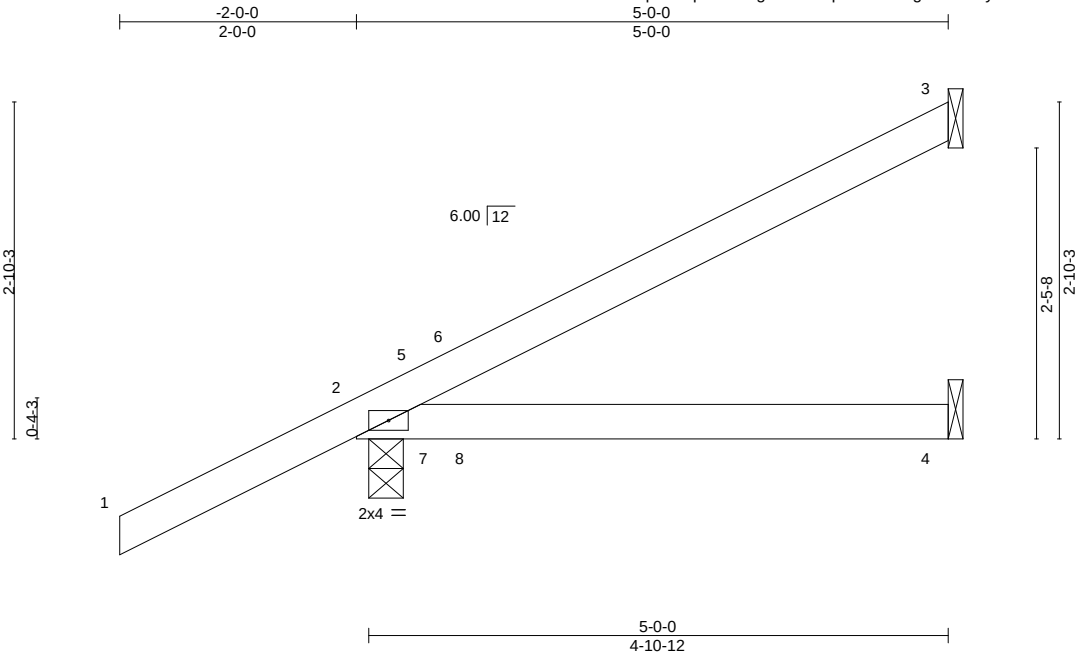
Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967860
6242619	E5L	Jack-Open	3	1		
Job Reference (optional)						

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

Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:49 2024 Page 1

ID:Xuq6PrCqXRW3EgUAfMrddpzaMli-tFVgVso3Pmyzl6?vv93rs0MitXqfFr3X8XRY0Pyf0fO



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/TP12014		Matrix-P	Wind(LL)	0.03 2-4	>999	240	Weight: 19 lb	FT = 20%

LUMBER-

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

BRACING-

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

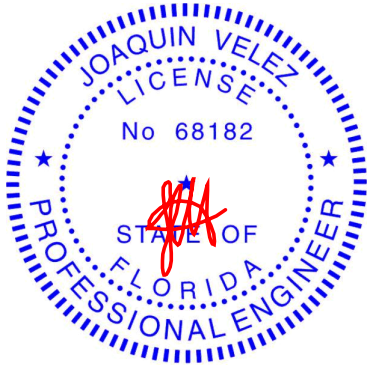
REACTIONS.

(size) 3=Mechanical, 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)

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

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) 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
- 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 36 lb uplift at joint 3, 12 lb uplift at joint 4 and 111 lb uplift at joint 2.



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

September 11,2024

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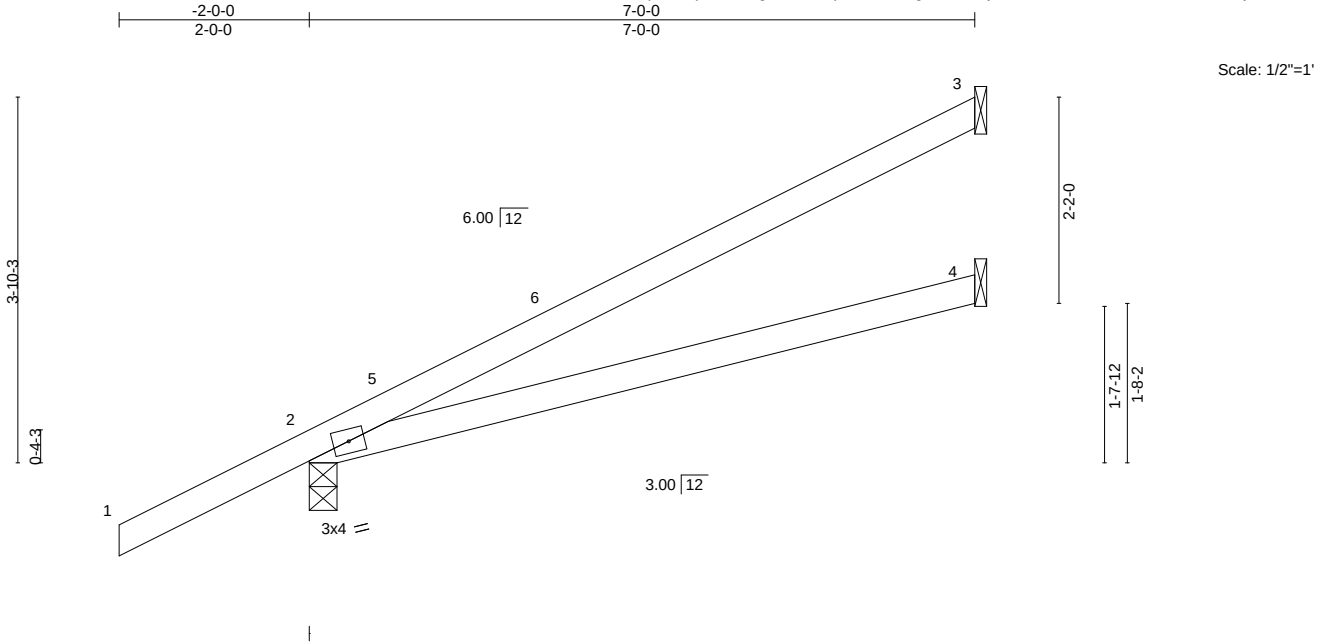
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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-Frame-14x10 Lanai
6242619	E7	Jack-Open	8	1	T34967861

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:49 2024 Page 1
ID:Xuq6PrCqXRW3EgUAFMrddpzaMli-tfVgVso3Pmyzl6?vv93rs0MbZXlbf3X8XRY0Pyf0fO



LOADING (psf)	SPACING-		CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.72		Vert(LL)	-0.13 2-4	>620	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.61		Vert(CT)	-0.26 2-4	>310	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%

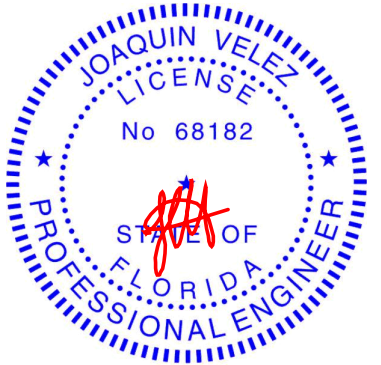
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=119(LC 12)
Max Uplift 3=-63(LC 12), 2=-62(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) 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 63 lb uplift at joint 3 and 62 lb uplift at joint 2.



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

September 11,2024

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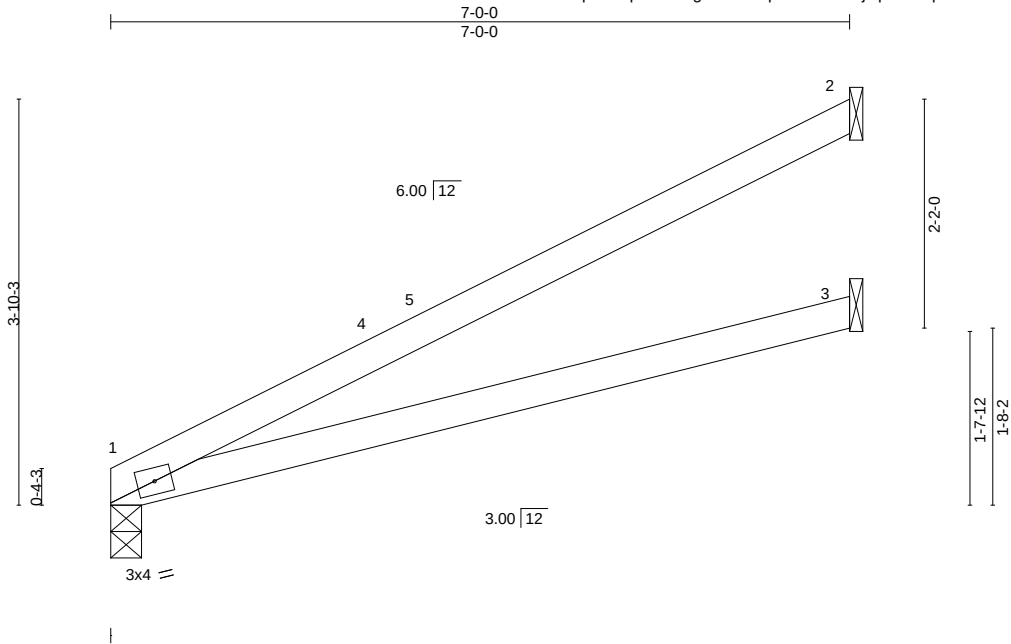
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Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967862
6242619	E7X	JACK-OPEN	6	1	Job Reference (optional)	

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

Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:50 2024 Page 1
ID:Xuq6PrCqXRW3EgUAFMrddpzaMii-LS33jCphA44qNGa6Tsa4PDvjix5q_IJhNBA6Zryf0fN



Scale = 1:21.8

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.88	Vert(LL)	-0.13 1-3	>620	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.61	Vert(CT)	-0.26 1-3	>310	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00 2	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00 1	****	240	Weight: 23 lb	FT = 20%

LUMBER-

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

BRACING-

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

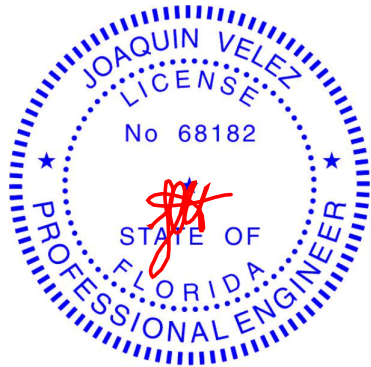
REACTIONS.

(size) 1=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 1=85(LC 12)
Max Uplift 2=-75(LC 12)
Max Grav 1=272(LC 1), 2=204(LC 1), 3=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 0-1-12 to 3-1-12, Zone1 3-1-12 to 6-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Bearing at joint(s) 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 75 lb uplift at joint 2.



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

September 11,2024

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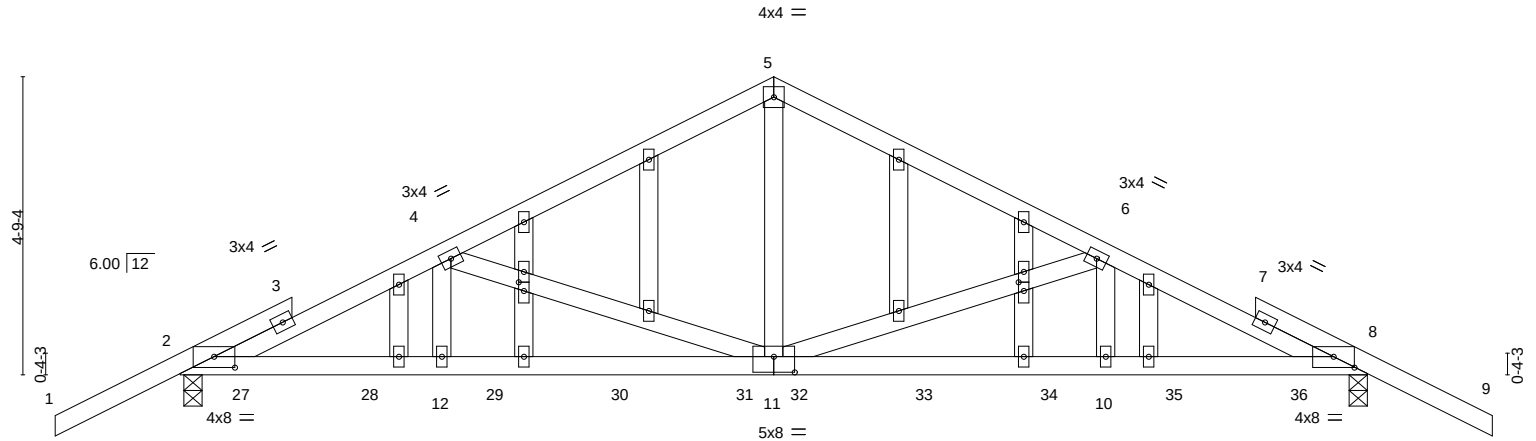
Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967864
6242619	F01X	GABLE	1	1		
Job Reference (optional)						

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

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:51 2024 Page 1
ID:Xuq6PrCqXRW3EgUAFmrdpzaMli-pedRwYqKxOCh_Q911a6JxRS?YLTlghqbrwif5Hyf0fM

-2-0-0	1-9-7	1-11-1	4-2-4	9-6-0	14-9-12	17-1-0	17-2-9	19-0-0	21-0-0
2-0-0	1-9-7	0-1-9	2-3-3	5-3-12	5-3-12	2-3-4	0-1-9	1-9-7	2-0-0

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-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.43	Vert(LL)	-0.09 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/TPI2014		Matrix-S					Weight: 115 lb	FT = 20%

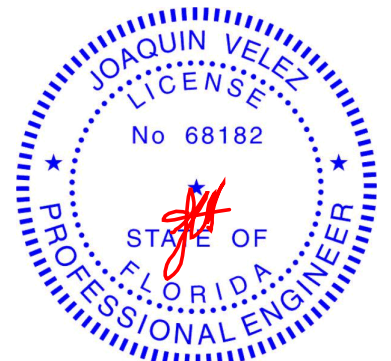
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-2 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2	
OTHERS 2x4 SP No.2	

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; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - 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 11-11-4, and 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



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

September 11,2024

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967864
6242619	F01X	GABLE	1	1	Job Reference (optional)	

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.**

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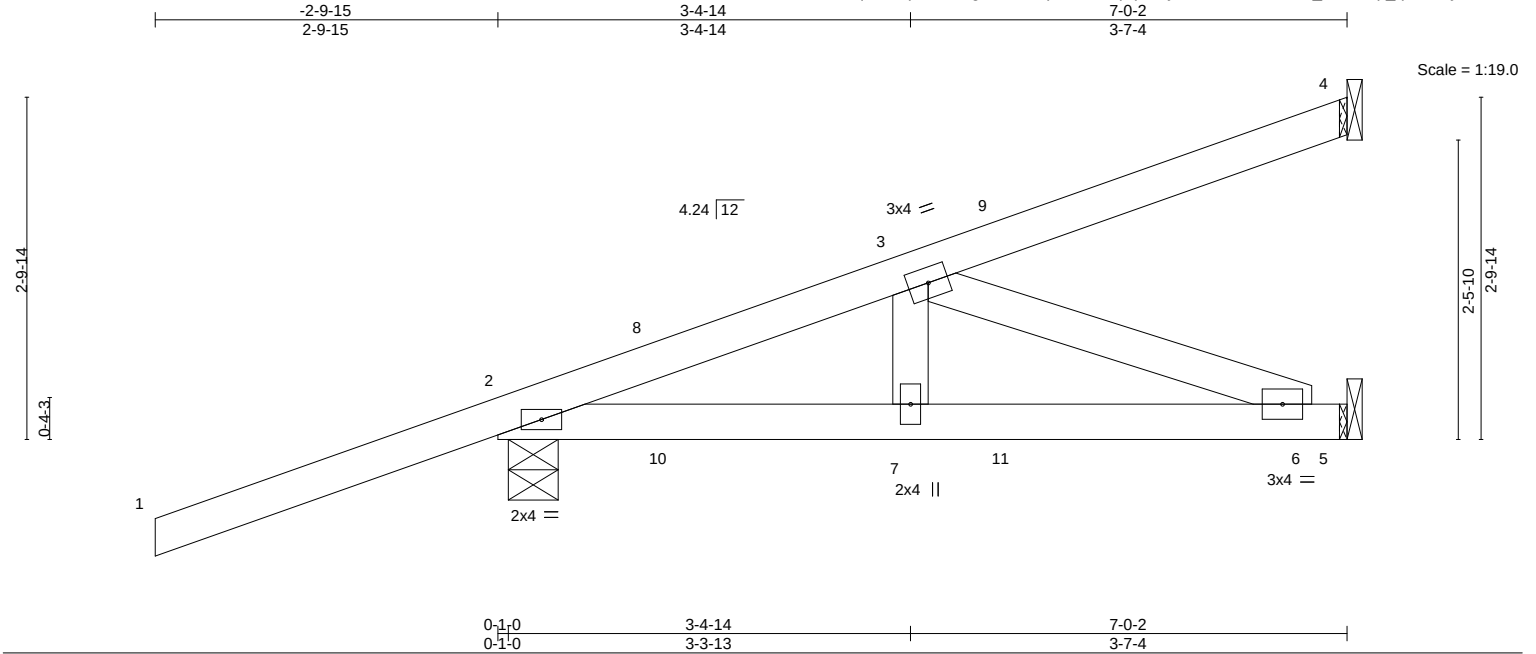
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Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967865
6242619	H5L	Diagonal Hip Girder	2	1	Job Reference (optional)	

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

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:52 2024 Page 1

ID:Xuq6PrCqXRW3EgUAFmrdpzaMli-HqBp8uryihKYcakUaHdYUe_2tit?SCp_qVfDdkyf0fL



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 0.90	Vert(LL)	-0.01 6-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.24	Vert(CT)	-0.02 6-7	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.06	Horz(CT)	0.00 5	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.01 6-7	>999	240	Weight: 33 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 4=Mechanical, 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.

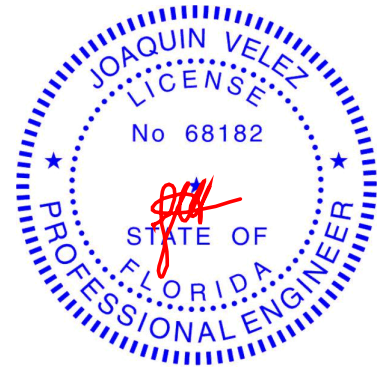
TOP CHORD 2-3=-349/121
BOT CHORD 2-7=-130/260, 6-7=-130/260
WEBS 3-6=-278/139

NOTES-

- 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
- 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 31 lb uplift at joint 4, 54 lb uplift at joint 5 and 228 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, 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.
- 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: 8=123(F=62, B=62)



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

September 11,2024

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

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

MiTek®

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967866
6242619	H7	Diagonal Hip Girder	2	1		
Job Reference (optional)						

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:53 2024 Page 1
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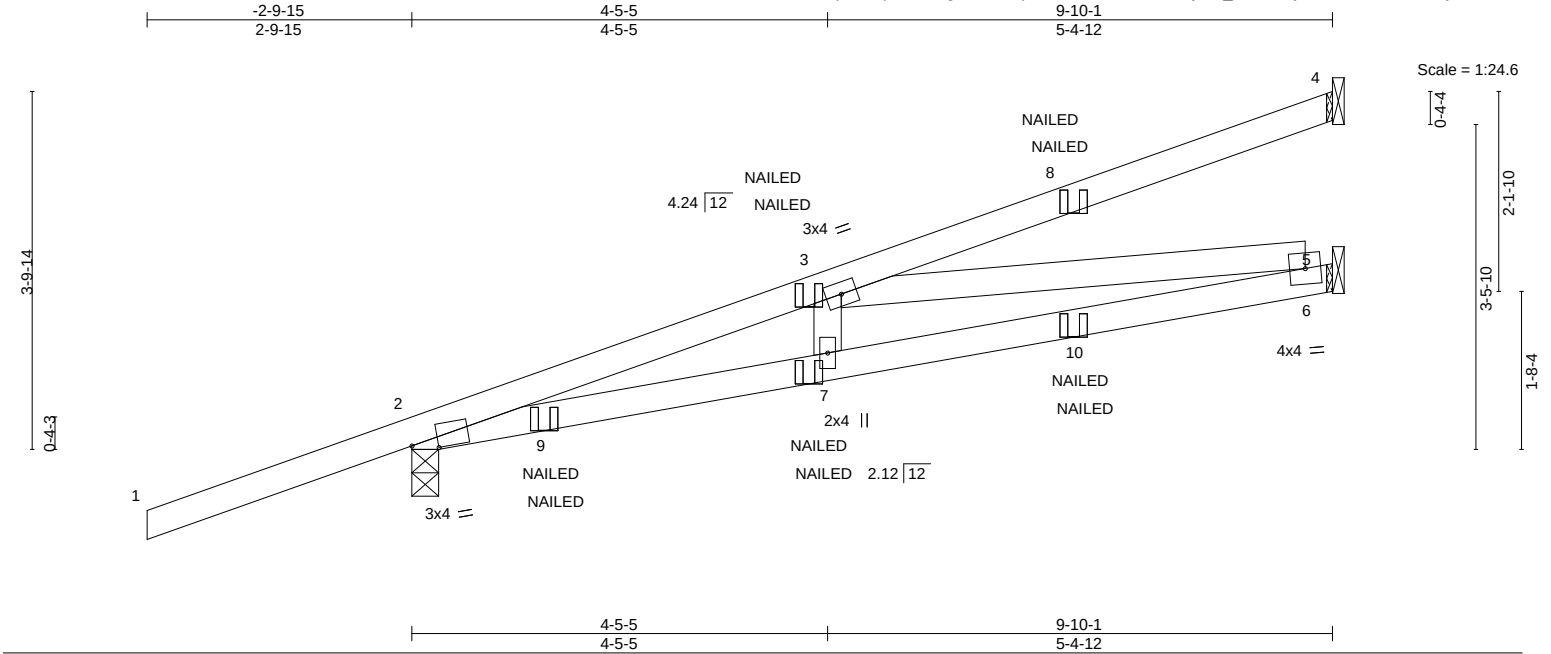


Plate Offsets (X,Y)--		[2:0-3-6,0-0-13]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.76	Vert(LL)	-0.07	6-7	>999	360	MT20	244/190	
TCDL 10.0	Lumber DOL	1.25	BC 0.80	Vert(CT)	-0.17	6-7	>661	240			
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.59	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-

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

BRACING-

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

REACTIONS.

(size) 4=Mechanical, 2=0-3-7, 5=Mechanical
Max Horz 2=118(LC 27)
Max Uplift 4=-60(LC 8), 2=-188(LC 8)
Max Grav 4=180(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.

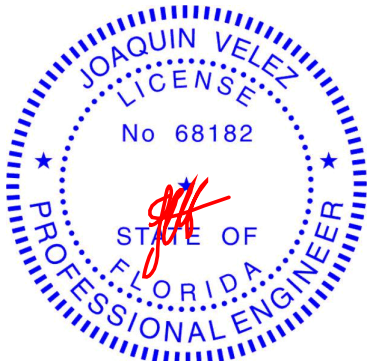
TOP CHORD 2-3=-1378/110
BOT CHORD 2-7=-155/1274, 6-7=-160/1273
WEBS 3-6=-1245/149

NOTES-

- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint 4 and 188 lb uplift at joint 2.
- "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 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: 8=-89(F=-59, B=-30) 9=101(F=50, B=50) 10=-39(F=-20, B=-20)



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

September 11,2024

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Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967867
6242619	J1	Jack-Closed	2	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:53 2024 Page 1
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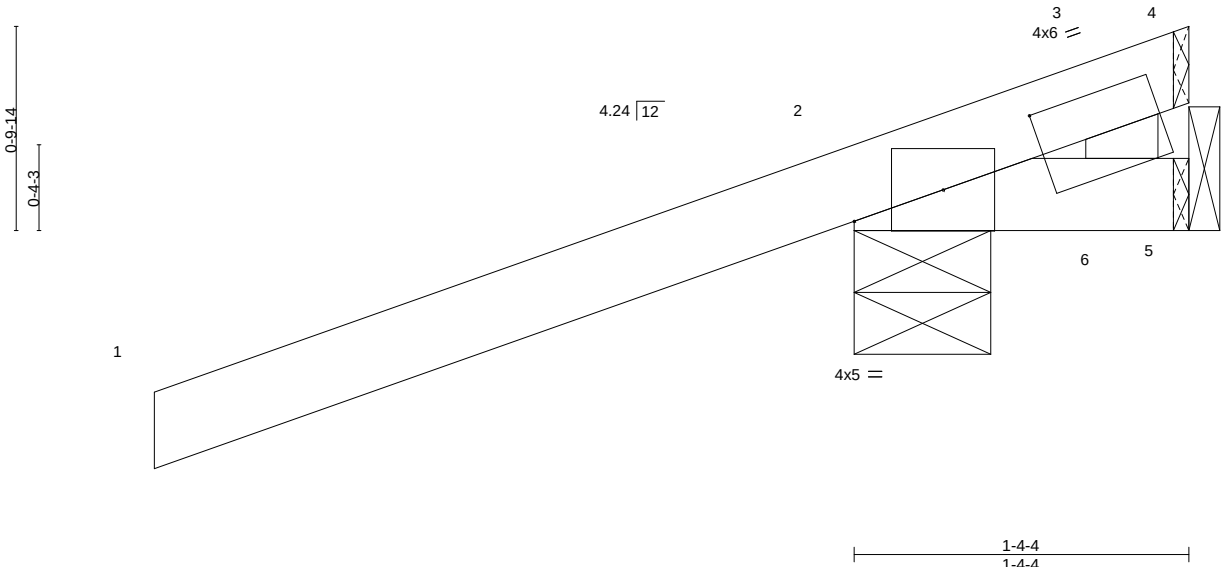


Plate Offsets (X,Y)--		[3:0-9-11,0-2-0]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.66	Vert(LL) 0.00 2 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.11	Vert(CT) 0.00 6 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 n/a n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-P	Wind(LL) -0.00 6 >999 240	Weight: 9 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 1-4-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

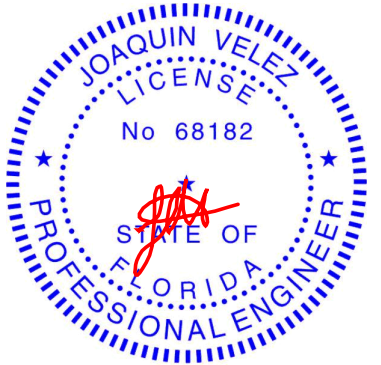
REACTIONS.

(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 12)

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

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 185 lb uplift at joint 2 and 152 lb uplift at joint 5.



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

September 11,2024

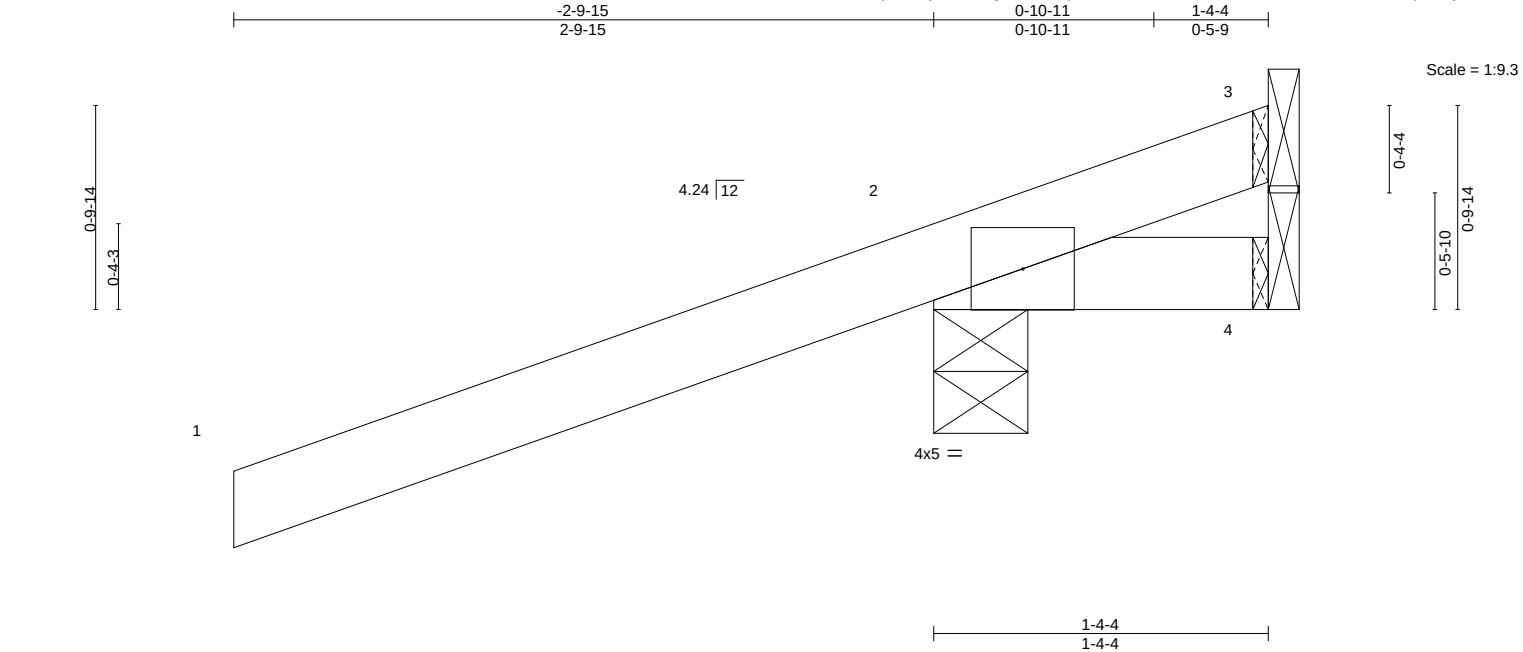
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Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967868
6242619	J2	Jack-Partial	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:54 2024 Page 1
ID:Xuq6PrCqXRW3EgUAfMrddpzaMli-DDJZZasCDJaGrutiif0Z34SJYc?w6IHlp8Jicyf0fJ



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/TP12014		Matrix-P	Wind(LL)	0.00 2	****	240	Weight: 9 lb	FT = 20%

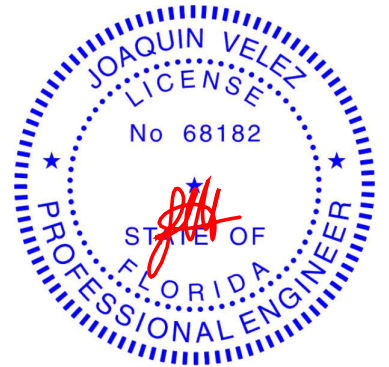
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-4-4 oc purlins.
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; 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 182 lb uplift at joint 2 and 150 lb uplift at joint 3.



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

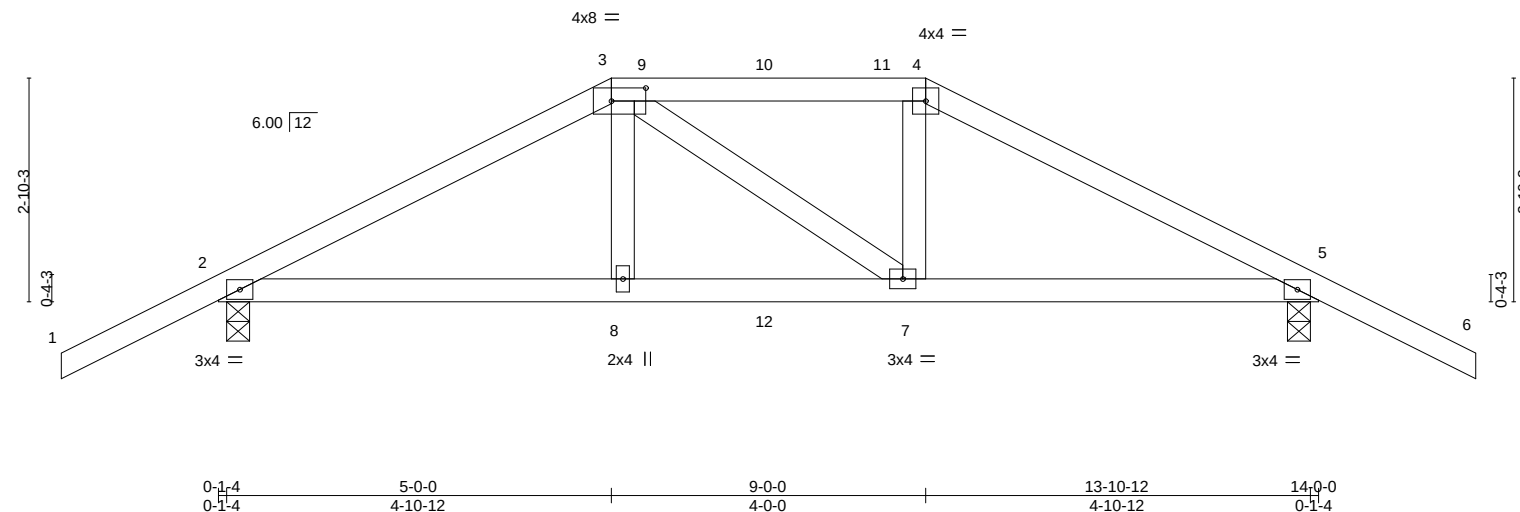
September 11,2024

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Chesterfield, MO 63017
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Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:54 2024 Page 1
ID: Xuq6PrCqXRW3EgUafMrddpzaMli-DDJZZasCDJaGrutitf0Z34WaYWJw57Hlp8Jicyf0fJ
2-0-0 5-0-0 9-0-0 14-0-0 16-0-0
2-0-0 5-0-0 4-0-0 5-0-0 2-0-0
Scale = 1:29



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 0.44	Vert(LL) -0.03 7-8 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.44	Vert(CT) -0.06 7-8 >999 240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.08	Horz(CT) 0.02 5 n/a n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL) 0.03 2-8 >999 240	Weight: 63 lb	FT = 20%

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

REACTIONS. (size) 2=0-3-8, 5=0-3-8
 Max Horz 2=58(LC 7)
 Max Uplift 2=-303(LC 8), 5=-303(LC 8)
 Max Grav 2=910(LC 1), 5=910(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); 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).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-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)



Joaquin Velez PE No.68182
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Date:

September 11, 2024



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Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967870
6242619	L02	Common	2	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:55 2024 Page 1
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7-0-0 2-0-0

Scale = 1:28.9

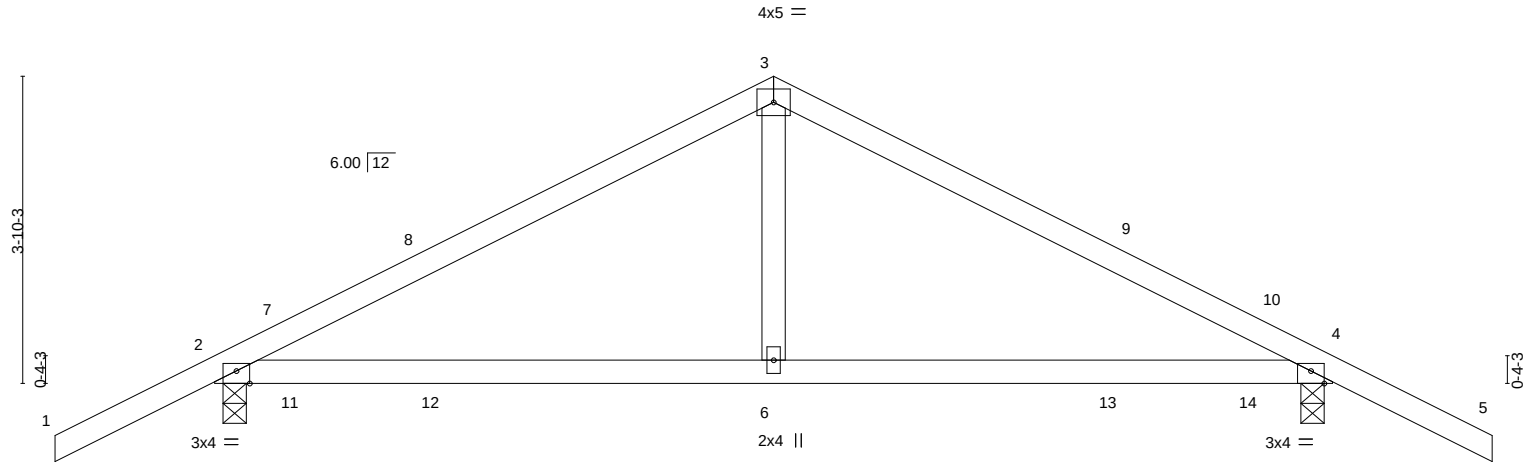


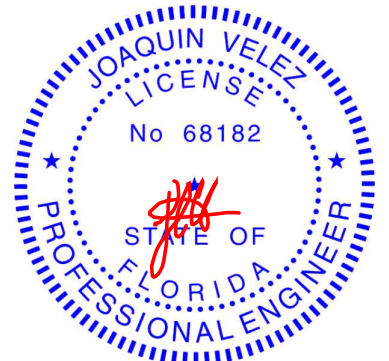
Plate Offsets (X, Y)--	[2:0-2-0,Edge], [4:0-2-0,Edge]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.60	Vert(LL)	-0.05 2-6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.52	Vert(CT)	-0.12 2-6	>999	240		
BCLL 0.0 *	Rep Stress Incr	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.



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

September 11,2024

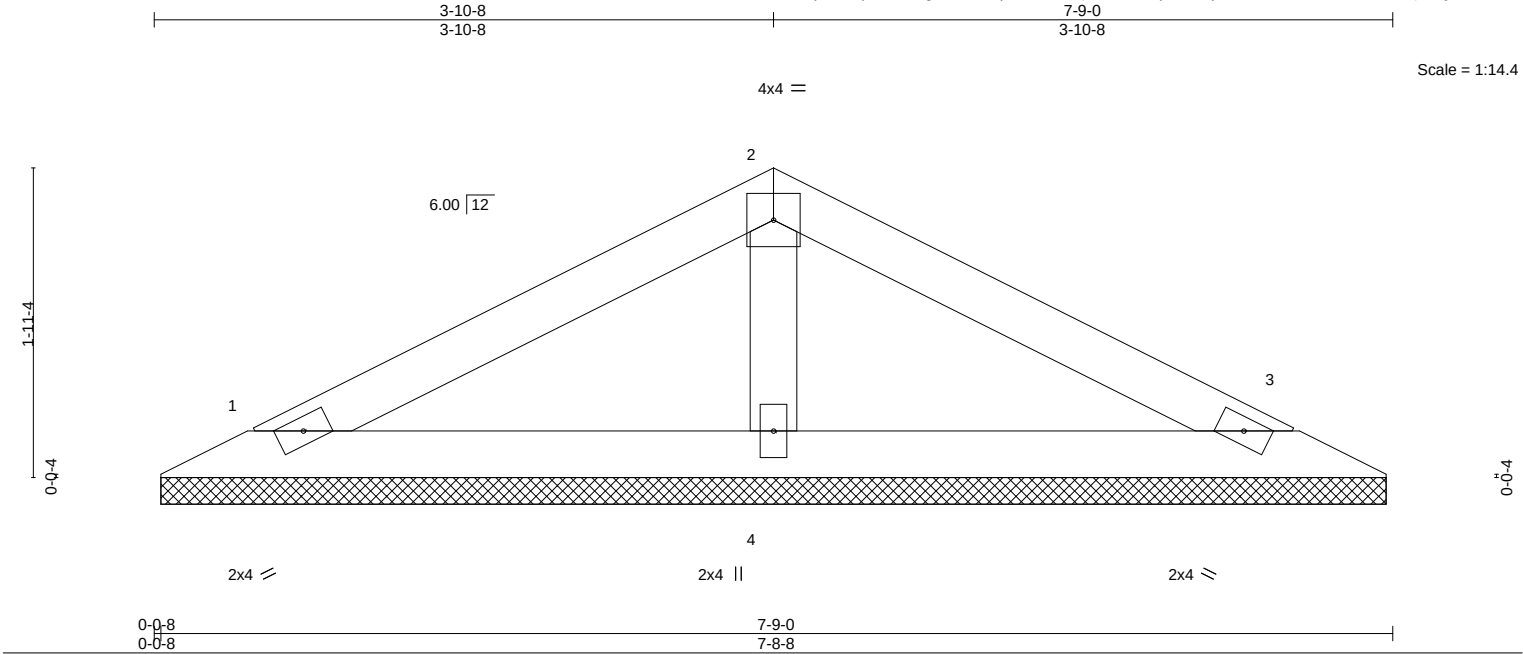
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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-Frame-14x10 Lanai	T34967872
6242619	LV2	Valley	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:56 2024 Page 1
ID:Xuq6PrCqXRW3EgUafMrddpzaMli-AcQKzFuSlwqz5B2Fp7hUeU9w4MG2O0NZI7dQmVyf0fH



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 0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
BCDL 10.0	Lumber DOL	1.25	BC 0.11	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P						Weight: 24 lb	FT = 20%

LUMBER-

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

BRACING-

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

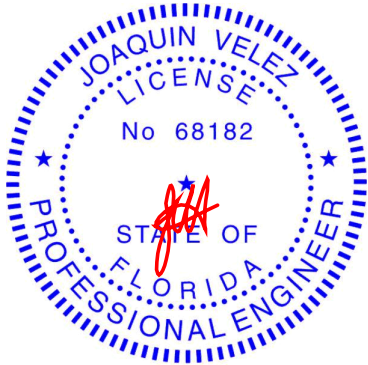
REACTIONS.

(size) 1=7-8-0, 3=7-8-0, 4=7-8-0
Max Horz 1=27(LC 11)
Max Uplift 1=-17(LC 12), 3=-17(LC 12)
Max Grav 1=131(LC 1), 3=131(LC 1), 4=257(LC 1)

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

NOTES-

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



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

September 11,2024

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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®

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Job	Truss	Truss Type	Qty	Ply	1635-CR-Frame-14x10 Lanai	T34967873
6242619	LV3	Valley	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 10 13:27:56 2024 Page 1
ID: Xuq6PrCqXRW3EgUAFMrddpzaMli-AcQKzFuSlwqz5B2Fp7hUeU9yLMGZO0oZi7dQmVy0fH

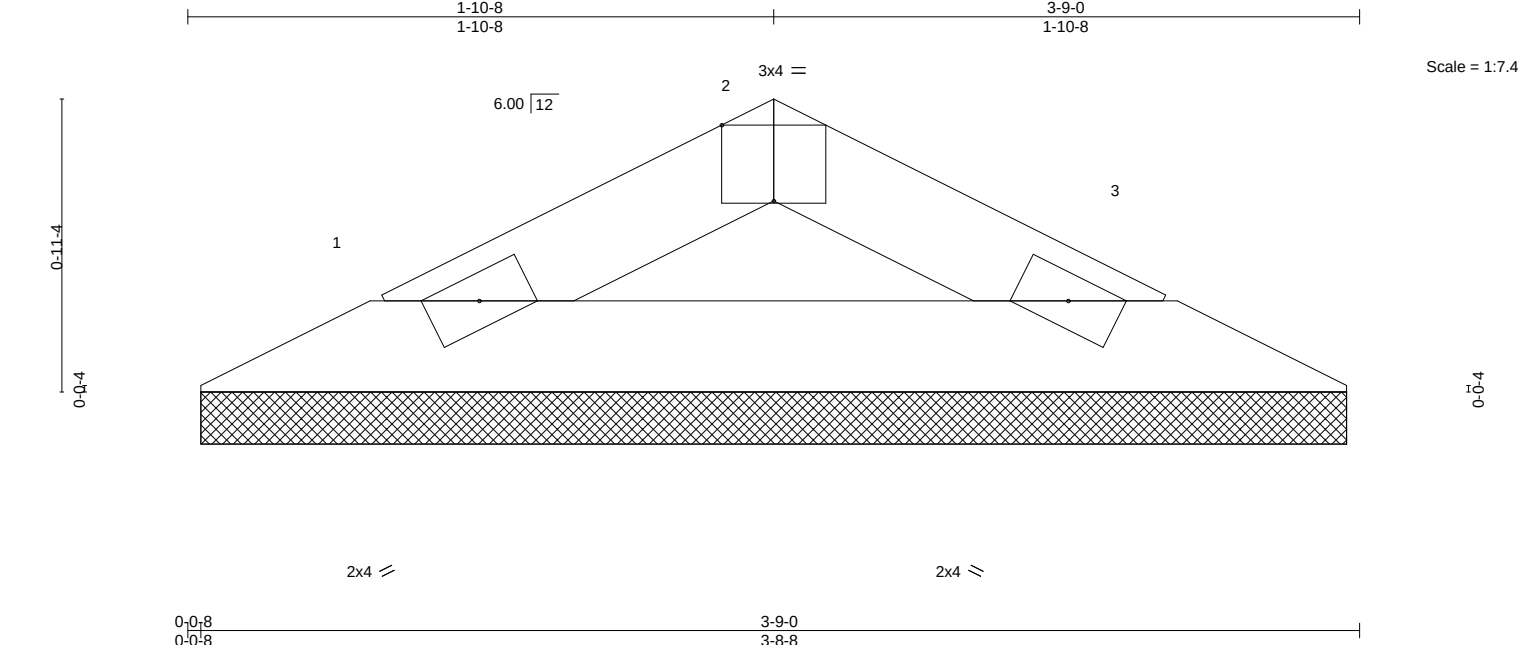


Plate Offsets (X,Y)-- [2:0-2-0,Edge]		0-0-8 0-0-8		3-9-0 3-8-8	
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.04	Vert(LL)	n/a - n/a 999
TCDL 10.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	n/a - n/a 999
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00 3 n/a n/a
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P		
					Weight: 10 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

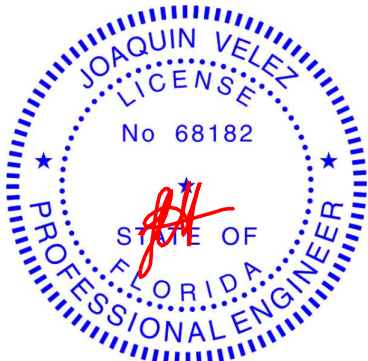
REACTIONS.

(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.
- 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.
- 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.



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

September 11,2024

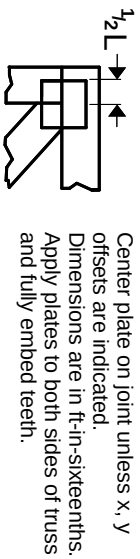
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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)

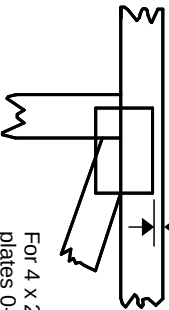
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Chesterfield, MO 63017
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Symbols

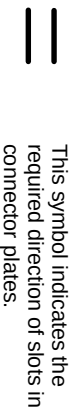
PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- $\frac{3}{16}$ " from outside edge of truss.



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

PLATE SIZE

4 X 4

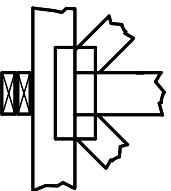
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

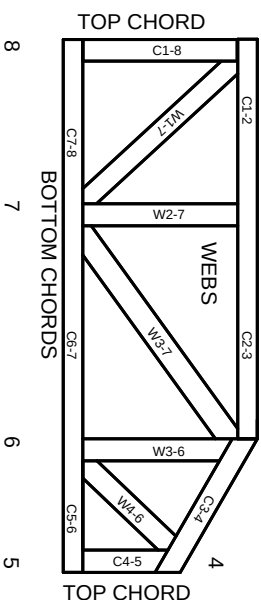
Industry Standards:

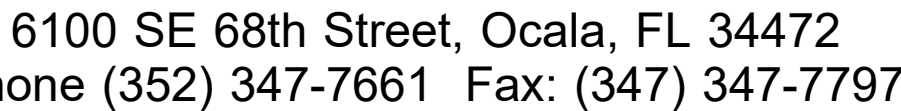
ANSI/TPI 1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



1 2 3 Joint ID typ.





6100 SE 68th Street, Ocala, FL 34472
Phone: (352) 347-7661 Fax: (347) 347-7797

*** Signature of this document acknowledges that the client has reviewed this truss placement diagram in its entirety as in agreement with the following terms, including, but not limited to:

- [illegible]

Floor: Load: 55# psf; 40 TCLL, 10 TCDL, 00 BCLL, 05 BCDL; Dur.: 1.00
Design checked for 10 psf non-concurrent LL on BC.

Roof: Load: 40# psf; 20 TCLL, 10 TCDL, 00 BCLL, 10 BCDL; Dur.: 1.25
Design checked for 10 psf non-concurrent LL on BC

DESIGN CRITERIA	Mitek Engineering	Exposure	B
	Building Code	Mean Height	≤ 15'
		Bldg. Category	II
		Importance Factor	1.00
	Truss Design	Comp. & Cladding	Enclosed
	Uplift Calculations	Entry	Exposed to Wind
Wind Speed	130 mph US	Lanal	Exposed to Wind

TYPICAL DETAIL	ROOF CRITERIA		FLOOR CRITERIA	
	T.C. Pitch	: 6/12	T.C. Size	: PC42
	B.C. Pitch	: 3/12	Depth	: 16"
	T.C. Size	: 2x4	Spacing	: 16" O.C.
	Heel Height	: 4 3/16"	Bearing	: 8"
	Bearing	: 8"	Lumber	: SP
	Cantilever	: 0	Vapor barrier between floor & concrete by other.	
	Overhang	: 24"	Floor trusses held back 3/4" at exterior wall,	
	O.H. Cut	: Plumb	block and fill by other. Blocking for transfer of	
	Spacing	: 24" O.C.	vertical load from above by others. Odd space	
	Lumber	: SP	floor trusses around plumbing as noted.	

CONNECTORS	Roof Truss to Truss Connectors					Floor Truss to Truss Connectors				
	A	TYP: THD26				TYP: THD46				
	*a	JUS24	G	THD28-2	M	THD26	Q	THD46-4	W	MSH422IF
	B	THD26-2	H	THD28-3	N		R	THD48	X	MSH426
	C	THD26-2	I	THD210-3	O		S	THD48	Y	MSH426IF
	D	THD26-3	J	GTWS2T			T	THD48-10	Z	
	E	THD28	K	GTWS3T			U	THD610		
	F	THD28	L	GTWS4T			V	MSH462		

Installation shall be per connector manufacturer's guidelines. All connectors and tie downs other than truss to girder truss connectors are to be specified and supplied by others.

UPLIFT SUMMARY	1		11		21	
	2		12		22	
	3		13		23	
	4		14		24	
	5		15		25	
	6		16		26	
	7		17		27	
	8		18		28	
	9		19		29	
	10		20		30	

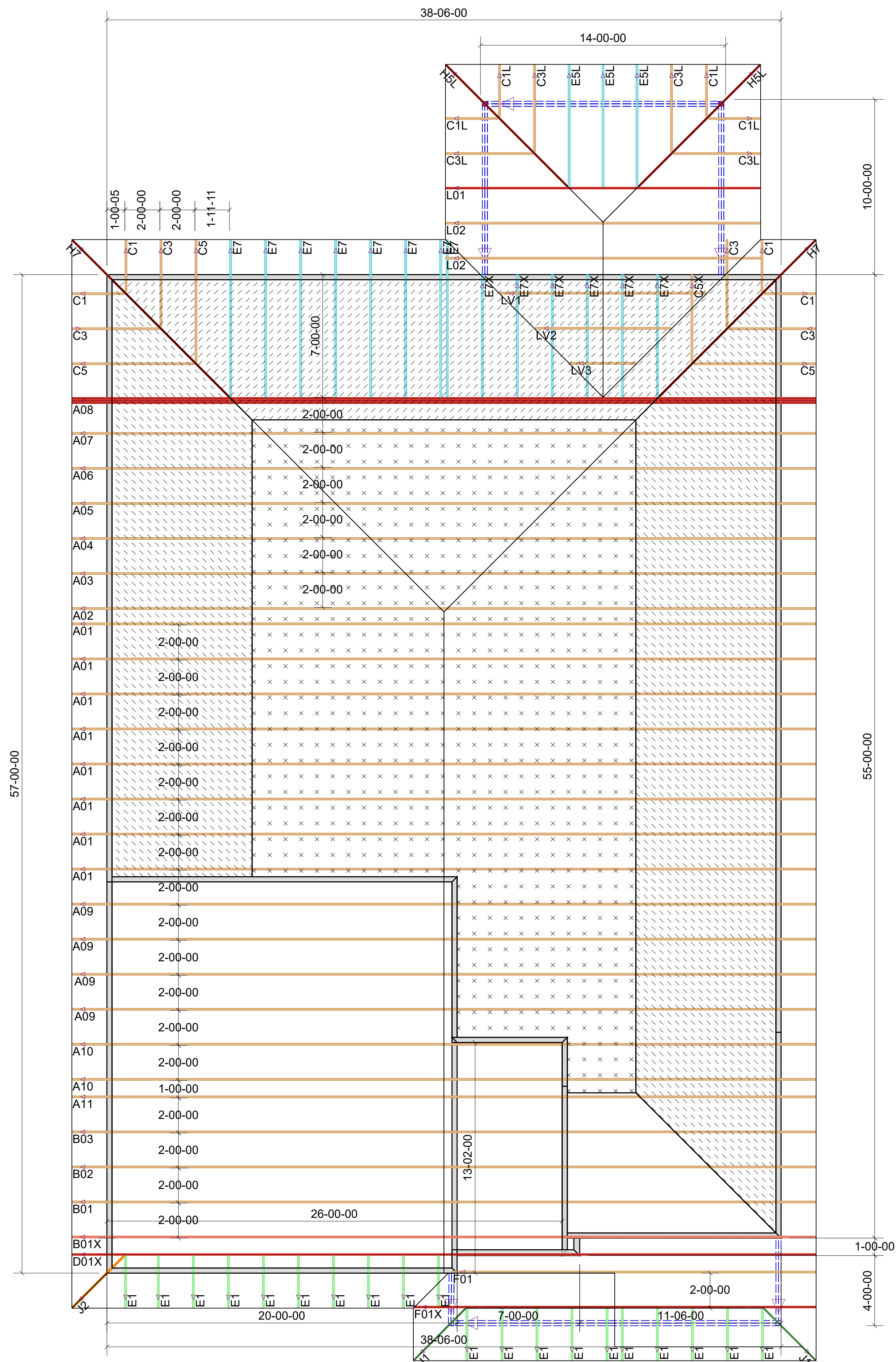
Only points listed above have reactions > 5000# or Uplift > 1000#.
Values shown on the sealed Truss Design Drawings supersede the above

NOTES	N1	.
	N2	.
	N3	.
	N4	.
	N5	.
	N6	.
	N7	.
	N8	.
	N9	.

 Diamond indicates left side of truss on truss design drawings

Client Info	Client:	Adams Homes
	Project:	Model :1635-CR 14x10 Lanai
	Address:	Lot # 090 The Preserve at Laurel Lake
		Lake City ,Fl.

Rev.							
	Date	:	10/04/24	Scale	:	1/4" = 1'-0"	D = 1/4
	Revised	:	.	Drawn By	:	Steve R.	
	Sheet #	:	1 of 1	Job #	:	6242619	



10'-0" Flat Ceiling

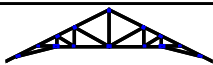
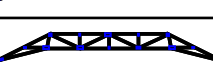
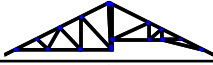
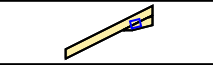
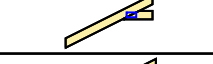
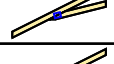
*** Approved By: _____ Delivery Date: _____

Please Print	Name	Employed By	Approval Date
--------------	------	-------------	---------------

 TIBBETTS LUMBER CO. Since 1949 WWW.TIBBETSLUMBER.COM	Tibbetts Lumber Ocala 6100 SE 68th St Ocala, FL 34472 Phone: 352-347-7661 www.tibbettslumber.com	Reaction Summary Job Number: 6242619-R Quoted On: Ordered On: 9/17/2024 Scheduled Delivery On: Product: Roof

Customer Information Adams Homes of NW FL - Gainesville Address & Phone Phone:	Job Information The Preserve at Laurel Lake 090 Address 281 SW Silver Palm Dr Lake City FL 32024 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> Lot 090 Sub-Division The Preserve at Laurel Lake </td> <td style="width: 50%;"> Customer P.O. No. </td> </tr> <tr> <td> Sales Person Chris Adam </td> <td> Designer Steven Roberts </td> </tr> <tr> <td> Estimator Steven Roberts </td> <td></td> </tr> </table>	Lot 090 Sub-Division The Preserve at Laurel Lake	Customer P.O. No.	Sales Person Chris Adam	Designer Steven Roberts	Estimator Steven Roberts	
Lot 090 Sub-Division The Preserve at Laurel Lake	Customer P.O. No.						
Sales Person Chris Adam	Designer Steven Roberts						
Estimator Steven Roberts							

Loading				Building Code	Wind Design Method	Velocity	Exp Cat	Wind Max	
TCLL	TCDL	BCLL	BCDL				Occ Cat	TCDL	BCDL
20	10	0	10	FBC2023/TPI2014	MWFRS (Directional)/C-C hybrid Wind ASCE 7-22	130 mph	B II	4.2	6

Roof Trusses									
Label	Profile	Qty	Span	TC Pitch	TC	Reactions			
		Ply	Height	BC Pitch	BC				
A01		8	38-06-00	6 /12	2 x 4	Joint 10	Joint 2		
		1-ply	10-11-07	3 /12	2 x 4	1657	1657		
A02		1	38-06-00	6 /12	2 x 4	Joint 10	Joint 2		
		1-ply	10-09-15	3 /12	2 x 4	1657	1657		
A03		1	38-06-00	6 /12	2 x 4	Joint 13	Joint 2		
		1-ply	9-09-15	3 /12	2 x 4	1657	1657		
A04		1	38-06-00	6 /12	2 x 4	Joint 10	Joint 2		
		1-ply	8-09-15	3 /12	2 x 4	1657	1657		
A05		1	38-06-00	6 /12	2 x 4	Joint 10	Joint 2		
		1-ply	7-09-15	3 /12	2 x 4	1657	1657		
A06		1	38-06-00	6 /12	2 x 4	Joint 11	Joint 2		
		1-ply	6-09-15	3 /12	2 x 4	1657	1657		
A07		1	38-06-00	6 /12	2 x 4	Joint 10	Joint 2		
		1-ply	5-09-15	3 /12	2 x 4	1657	1657		
A08		1	38-06-00	6 /12	2 x 6	Joint 10	Joint 2		
		3-ply	4-09-15	3 /12	2 x 6	3263	3218		
A09		4	38-06-00	6 /12	2 x 4	Joint 12	Joint 17	Joint 2	
		1-ply	10-09-15	-3 /12	2 x 4	887	1856	907	
A10		2	38-06-00	6 /12	2 x 4	Joint 10	Joint 14	Joint 15	Joint 2
		1-ply	10-11-07	-3 /12	2 x 4	474	770	1858	746
A11		1	38-06-00	6 /12	2 x 4	Joint 10	Joint 14	Joint 15	Joint 2
		1-ply	10-11-07	-3 /12	2 x 4	-92	-34	-24	-105
B01		1	38-06-00	6 /12	2 x 4	Joint 10	Joint 15	Joint 16	Joint 2
		1-ply	10-11-07	-3 /12	2 x 4	408	958	1691	746
B01X		1	38-06-00	6 /12	2 x 4	Joint 11	Joint 12	Joint 14	Joint 2
		1-ply	10-11-07		2 x 4	433	367	1880	767
B02		1	38-06-00	6 /12	2 x 4	Joint 10	Joint 15	Joint 16	Joint 2
		1-ply	10-11-07	-3 /12	2 x 4	419	897	1742	745
B03		1	38-06-00	6 /12	2 x 4	Joint 10	Joint 14	Joint 15	Joint 2
		1-ply	10-11-07	-3 /12	2 x 4	-89	-55	-2	-109
C1		4	1-00-00	6 /12	2 x 4	Joint 2	Joint 4		
		1-ply	1-09-15	3 /12	2 x 4	289	93		
C1L		4	1-00-00	6 /12	2 x 4	Joint 2	Joint 3	Joint 4	
		1-ply	1-09-15		2 x 4	-218	-90	19	-2
C3		4	3-00-00	6 /12	2 x 4	Joint 2	Joint 3	Joint 4	
		1-ply	2-09-15	3 /12	2 x 4	289	37	56	
C3L		4	3-00-00	6 /12	2 x 4	Joint 2	Joint 3	Joint 4	
		1-ply	2-09-15		2 x 4	-84	-14	17	

Roof Trusses												
Label	Profile	Qty	Span	TC Pitch	TC	Reactions						
		Ply	Height	BC Pitch	BC							
C5		3	5-00-00	6 /12	2 x 4	Joint 2	Joint 3	Joint 4				
		1-ply	3-09-15	3 /12	2 x 4	349 -69	115 -36	96 29				
C5X		1	5-00-00	6 /12	2 x 4	Joint 1	Joint 2	Joint 3				
		1-ply	2-10-03	3 /12	2 x 4	192 8	144 -53	96 29				
D01X		1	38-06-00	6 /12	2 x 4	Joint 12	Joint 13	Joint 14	Joint 16	Joint 17	Joint 2	Joint 9
		1-ply	10-11-07		2 x 4	921 -155	51 0	115 23	161 -117	2206 -492	912 -291	554 -130
E1		20	1-00-00	6 /12	2 x 4	Joint 2	Joint 5					
		1-ply	1-09-15		2 x 4	288 -133	74 -99					
E5L		3	5-00-00	6 /12	2 x 4	Joint 2	Joint 3	Joint 4				
		1-ply	3-09-15		2 x 4	349 -111	115 -36	96 -12				
E7		8	7-00-00	6 /12	2 x 4	Joint 2	Joint 3	Joint 4				
		1-ply	4-09-15	3 /12	2 x 4	421 -62	183 -63	136 41				
E7X		6	7-00-00	6 /12	2 x 4	Joint 1	Joint 2	Joint 3				
		1-ply	3-10-03	3 /12	2 x 4	272 10	204 -75	136 41				
F01		1	18-09-08	6 /12	2 x 4	Joint 1	Joint 5					
		1-ply	6-00-15		2 x 4	733 -28	876 -97					
F01X		1	19-00-00	6 /12	2 x 4	Joint 2	Joint 8					
		1-ply	5-09-00		2 x 4	1020 -348	1019 -348					
H5L		2	7-00-02	4.24 /12	2 x 4	Joint 2	Joint 4	Joint 5				
		1-ply	3-09-07		2 x 4	416 -228	127 -31	122 -54				
H7		2	9-10-01	4.24 /12	2 x 4	Joint 2	Joint 4	Joint 5				
		1-ply	4-09-07	2.12 /12	2 x 4	630 -188	180 -60	279 12				
J1		2	1-04-04	4.24 /12	2 x 4	Joint 2	Joint 5					
		1-ply	1-09-07		2 x 4	417 -185	100 -152					
J2		1	1-04-04	4.24 /12	2 x 4	Joint 2	Joint 3	Joint 4				
		1-ply	1-09-07		2 x 4	413 -182	89 -150	26 8				
L01		1	14-00-00	6 /12	2 x 4	Joint 2	Joint 5					
		1-ply	3-09-15		2 x 4	910 -303	910 -303					
L02		2	14-00-00	6 /12	2 x 4	Joint 2	Joint 4					
		1-ply	4-09-15		2 x 4	677 -202	677 -202					
LV1		1	11-09-00	6 /12	2 x 4	Joint 1	Joint 3	Joint 4				
		1-ply	2-11-04		2 x 4	193 -18	193 -18	459 0				
LV2		1	7-09-00	6 /12	2 x 4	Joint 1	Joint 3	Joint 4				
		1-ply	1-11-04		2 x 4	131 -17	131 -17	257 11				
LV3		1	3-09-00	6 /12	2 x 4	Joint 1	Joint 3					
		1-ply	11-04		2 x 4	100 -4	100 -4					