



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

RE: 220719A - Palms Medical Addition # 2

MiTek USA, Inc.

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Site Information:

Customer Info: Oelrich Construction Project Name: - Model: -
Lot/Block: - Subdivision: -
Address: -, 173 NW Albritton Lane
City: Lake City State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.6
Wind Code: ASCE 7-16 Wind Speed: 140 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 33 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

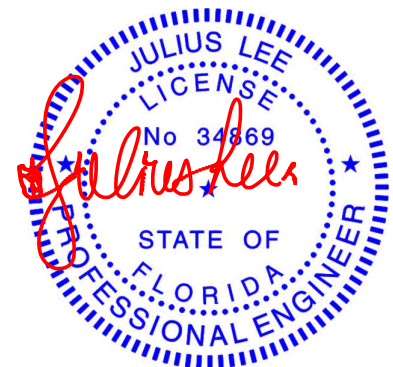
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T29367371	T01	12/8/22	23	T29367393	V14	12/8/22
2	T29367372	T02	12/8/22	24	T29367394	V15	12/8/22
3	T29367373	T03	12/8/22	25	T29367395	V16	12/8/22
4	T29367374	T04	12/8/22	26	T29367396	V17	12/8/22
5	T29367375	T05	12/8/22	27	T29367397	V18	12/8/22
6	T29367376	T06	12/8/22	28	T29367398	V19	12/8/22
7	T29367377	T07	12/8/22	29	T29367399	V20	12/8/22
8	T29367378	T08	12/8/22	30	T29367400	V21	12/8/22
9	T29367379	T09	12/8/22	31	T29367401	V22	12/8/22
10	T29367380	V01	12/8/22	32	T29367402	V23	12/8/22
11	T29367381	V02	12/8/22	33	T29367403	V24	12/8/22
12	T29367382	V03	12/8/22				
13	T29367383	V04	12/8/22				
14	T29367384	V05	12/8/22				
15	T29367385	V06	12/8/22				
16	T29367386	V07	12/8/22				
17	T29367387	V08	12/8/22				
18	T29367388	V09	12/8/22				
19	T29367389	V10	12/8/22				
20	T29367390	V11	12/8/22				
21	T29367391	V12	12/8/22				
22	T29367392	V13	12/8/22				



The truss drawing(s) referenced above have been prepared by MiTek USA, Inc.
under my direct supervision based on the parameters
provided by Ro-Mac Lumber & Supply Inc.

Truss Design Engineer's Name: Lee, Julius
My license renewal date for the state of Florida is February 28, 2023.

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



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

December 9, 2022

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367371
220719A	T01	Common	13	1	Job Reference (optional)	

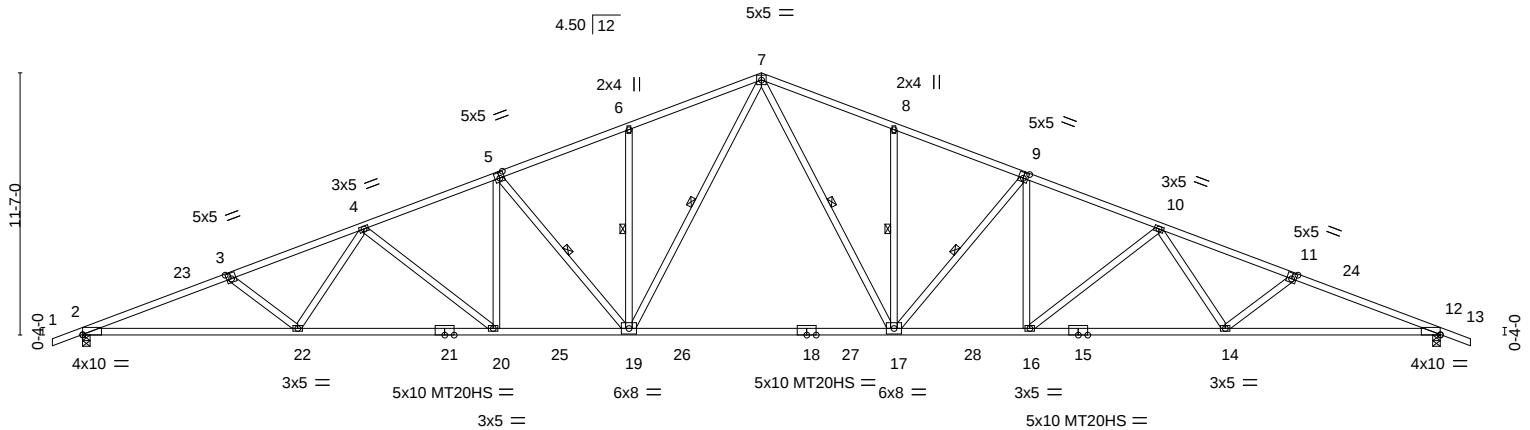
Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:21 2022 Page 1

ID:rsz0L9oK2uIXfKf9WuSKoz8JOQ-0Af6DBzTctAhmDWZLkxR2qtnW7J6tMcltQBtyB27a

1-4-0 6-6-15 12-5-3 18-3-7 24-1-12 30-0-0 35-10-4 41-8-9 47-6-13 53-5-1 60-0-0 61-4-0
1-4-0 6-6-15 5-10-4 5-10-4 5-10-4 5-10-4 5-10-4 5-10-4 5-10-4 5-10-4 6-6-15 1-4-0

Scale = 1:101.8



9-6-1	18-3-7	24-1-12	35-10-4	41-8-9	50-5-15	60-0-0
9-6-1	8-9-6	5-10-4	11-8-9	5-10-4	8-9-6	9-6-1

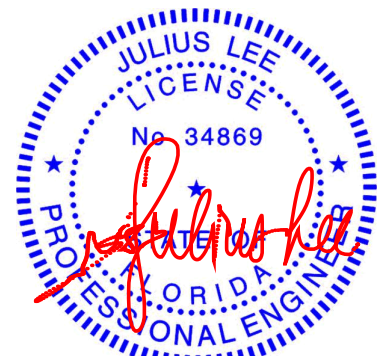
LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC 0.68	Vert(LL) -1.07 17-19 >666 360	MT20	244/190
TCDL	7.0	Lumber DOL 1.25	BC 0.72	Vert(CT) -1.82 17-19 >393 240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr YES	WB 0.90	Horz(CT) 0.35 12 n/a n/a		
BCDL	10.0	Code FBC2020/TPI2014	Matrix-S	Wind(LL) 0.55 17-19 >999 240	Weight: 346 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 1-3,11-13: 2x4 SP DSS	TOP CHORD Structural wood sheathing directly applied or 2-2-8 oc purlins.
BOT CHORD 2x4 SP DSS	BOT CHORD Rigid ceiling directly applied or 5-0-7 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 7-17, 8-17, 9-17, 7-19, 6-19, 5-19

REACTIONS. (size) 2=0-4-0, 12=0-4-0
Max Horz 2=-352(LC 10)
Max Uplift 2=-805(LC 12), 12=-805(LC 12)
Max Grav 2=2685(LC 17), 12=2685(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6409/2096, 3-4=-6166/1991, 4-5=-5124/1778, 5-6=-4421/1613, 6-7=-4453/1732,
7-8=-4453/1732, 8-9=-4421/1613, 9-10=-5124/1778, 10-11=-6167/1991,
11-12=-6410/2096
BOT CHORD 2-22=-1855/6188, 20-22=-1628/5600, 19-20=-1377/4938, 17-19=-873/3442,
16-17=-1379/4674, 14-16=-1630/5337, 12-14=-1857/5925
WEBS 7-17=-581/1788, 8-17=-347/312, 9-17=-1053/385, 9-16=-153/729, 10-16=-836/319,
10-14=-87/661, 11-14=-310/250, 7-19=-581/1788, 6-19=-347/312, 5-19=-1052/385,
5-20=-153/729, 4-20=-835/319, 4-22=-87/660, 3-22=-310/250

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=60ft; eave=7ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 4-8-0, Interior(1) 4-8-0 to 30-0-0, Exterior(2R) 30-0-0 to 35-10-4, Interior(1) 35-10-4 to 61-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - WARNING:** This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 805 lb uplift at joint 2 and 805 lb uplift at joint 12.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 9,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



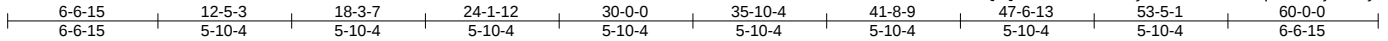
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367372
220719A	T02	COMMON	1	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:24 2022 Page 1

ID:rsz0L9oK2ulXIFkf9WuSKoz8JOQ-QIKerC?Lvo3kYdy5ETJ1Z4fY?XqWTWolj64nCyB27X



Scale = 1:100.9

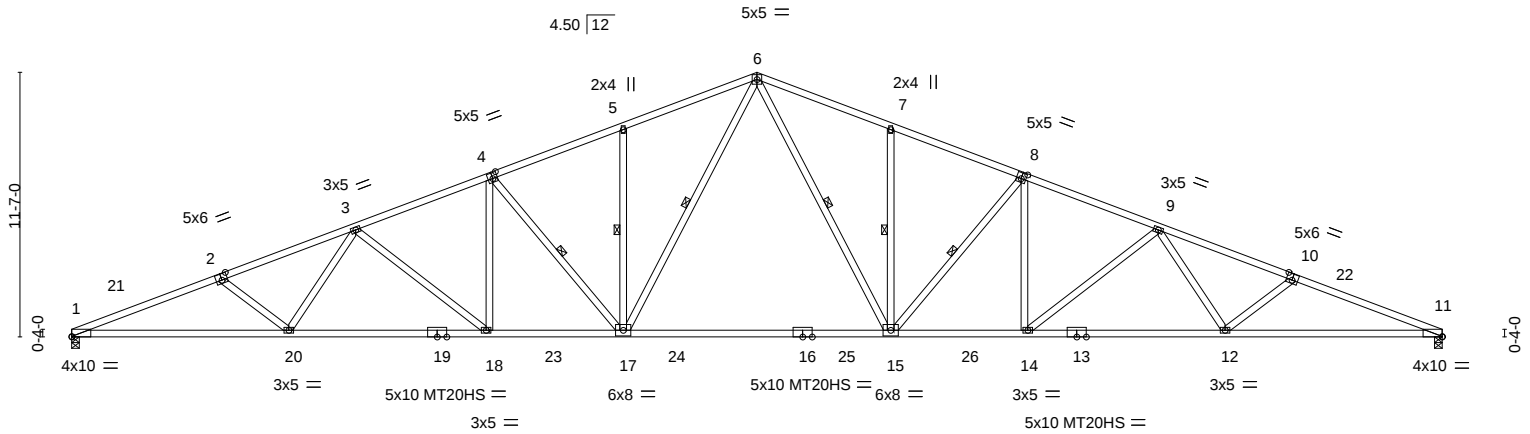


Plate Offsets (X,Y)--	[1:Edge,0-0-4], [2:0-3-0,0-3-4], [4:0-2-8,0-3-0], [8:0-2-8,0-3-0], [10:0-3-0,0-3-4], [11:Edge,0-0-4]
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LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.97	Vert(LL)	-1.08 15-17	>666	360	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.72	Vert(CT)	-1.82 15-17	>393	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.91	Horz(CT)	0.35 11	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S	Wind(LL)	0.58 15-17	>999	240		
							Weight: 342 lb	FT = 20%

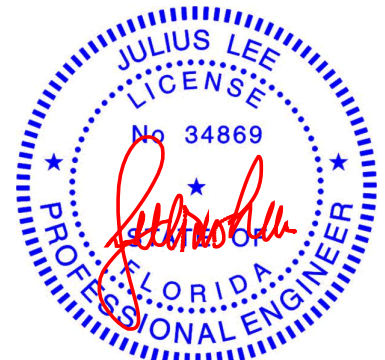
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 1-2,10-11: 2x4 SP DSS	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP DSS	BOT CHORD Rigid ceiling directly applied or 3-8-12 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 6-15, 7-15, 8-15, 6-17, 5-17, 4-17

REACTIONS. (size) 1=0-4-0, 11=0-4-0
Max Horz 1=-338(LC 10)
Max Uplift 1=-724(LC 12), 11=-724(LC 12)
Max Grav 1=2609(LC 17), 11=2609(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6432/3452, 2-3=-6185/3234, 3-4=-5131/2754, 4-5=-4426/2450, 5-6=-4459/2593,
6-7=-4459/2593, 7-8=-4426/2450, 8-9=-5131/2754, 9-10=-6185/3234, 10-11=-6433/3453
BOT CHORD 1-20=-3170/6204, 18-20=-2656/5603, 17-18=-2220/4937, 15-17=-1403/3438,
14-15=-2189/4684, 12-14=-2595/5350, 11-12=-3110/5951
WEBS 6-15=-874/1790, 7-15=-346/361, 8-15=-1055/647, 8-14=-298/731, 9-14=-841/553,
9-12=-270/672, 10-12=-319/484, 6-17=-874/1790, 5-17=-346/361, 4-17=-1055/647,
4-18=-298/731, 3-18=-841/553, 3-20=-270/671, 2-20=-319/484

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=60ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) 0-2-0 to 6-2-0, Exterior(2N) 6-2-0 to 30-0-0, Corner(3R) 30-0-0 to 35-10-4, Exterior(2N) 35-10-4 to 59-10-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 724 lb uplift at joint 1 and 724 lb uplift at joint 11.



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16023 Swingle Ridge Rd. Chesterfield, MO 63017
Date:

December 9, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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

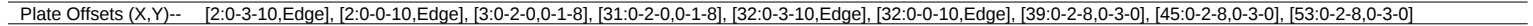
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



16023 Swingle Ridge Rd
Chesterfield, MO 63017

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748, 8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:27 2022 Page 1
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1-10-8 60-0-0
1-4-0 1-11-11 30-0-0 58-0-5 58-1-8 61-4-0
1-4-0 0-1-4 28-0-5 28-0-5 0-1-4 1-4-0
1-10-8 1-10-8
Scale = 1:103.4



LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS	2x4 SP No.3	WEBS	1 Row at midpt 17-46, 16-47, 15-48, 14-49, 18-45, 19-44, 20-43

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

TOP CHORD 2-4=-263/295, 13-14=-96/277, 14-15=-85/324, 15-16=-95/375, 16-17=-111/418,
 17-18=-111/418, 18-19=-95/375, 19-20=-77/324, 20-21=-61/277

NOTES-

December 9, 2022

8) Cable studs spaced at 2'-0" o.c.

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Safety information - available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601.

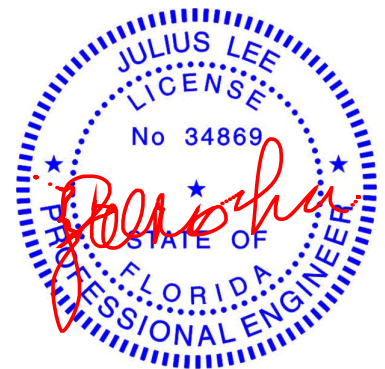
Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	T03	Common Supported Gable	1	1	T29367373

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:28 2022 Page 2
ID:rsz0L9oK2ulXIFKf9WuSKoz8JOQ-JWalha3sz0ZA1rFsTJNzjqwq6kc0vSTWODL4lwzyB27T

NOTES-

- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * 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.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35 except (jt=lb) 2=104, 58=150, 34=150, 32=104.



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

December 9, 2022

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367374
220719A	T04	Common	2	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:29 2022 Page 1

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1-4-0	5-10-12	10-8-8	15-6-4	20-4-0	25-1-12	29-11-8	34-9-4	40-8-0
1-4-0	5-10-12	4-9-12	4-9-12	4-9-12	4-9-12	4-9-12	4-9-12	5-10-12

Scale = 1:69.3

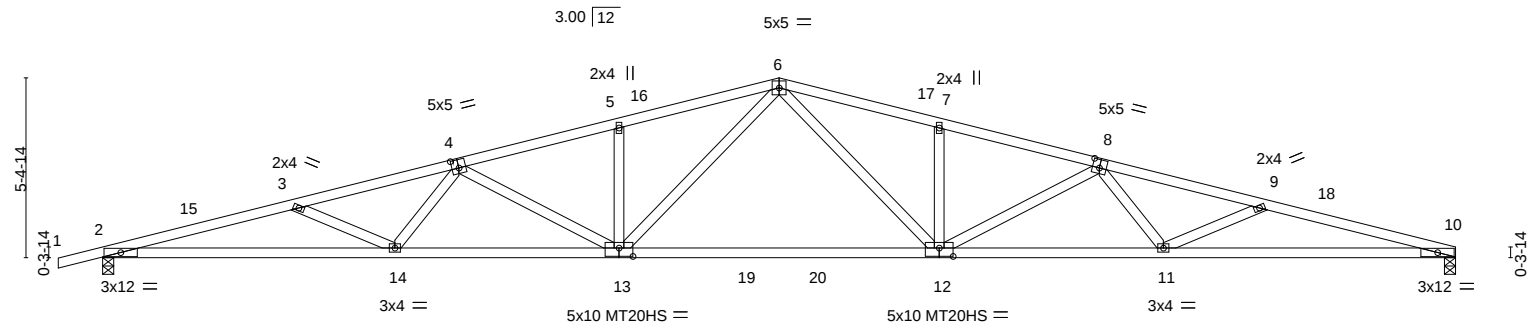


Plate Offsets (X,Y)--	[4:0-2-8,0-3-0], [8:0-2-8,0-3-0], [12:0-5-0,0-3-0], [13:0-5-0,0-3-0]
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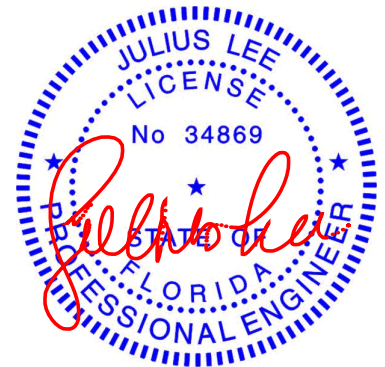
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.79	Vert(LL)	-0.75 12-13	>644	360	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.90	Vert(CT)	-1.34 12-13	>363	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.50	Horz(CT)	0.23 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S	Wind(LL)	0.52 12-13	>927	240		
							Weight: 190 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD 2x4 SP DSS *Except*	BOT CHORD Rigid ceiling directly applied or 4-4-15 oc bracing.
12-13: 2x4 SP No.1	
WEBS 2x4 SP No.3	

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=76(LC 11)
Max Uplift 2=572(LC 12), 10=488(LC 12)
Max Grav 2=1687(LC 19), 10=1626(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5421/2512, 3-4=-5158/2277, 4-5=-4211/1941, 5-6=-4212/2013, 6-7=-4214/2008,
7-8=-4213/1935, 8-9=-5174/2293, 9-10=-5444/2551
BOT CHORD 2-14=-2394/5222, 13-14=-2063/4719, 12-13=-1356/3201, 11-12=-2055/4728,
10-11=-2424/5245
WEBS 6-12=-532/1287, 7-12=-276/260, 8-12=-790/410, 8-11=-94/474, 9-11=-381/347,
6-13=-528/1283, 5-13=-275/259, 4-13=-782/396, 4-14=-78/463, 3-14=-362/316

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 2-8-13, Interior(1) 2-8-13 to 20-4-0, Exterior(2R) 20-4-0 to 24-4-13, Interior(1) 24-4-13 to 40-6-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=572, 10=488.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	T05	COMMON	1	1	T29367375

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

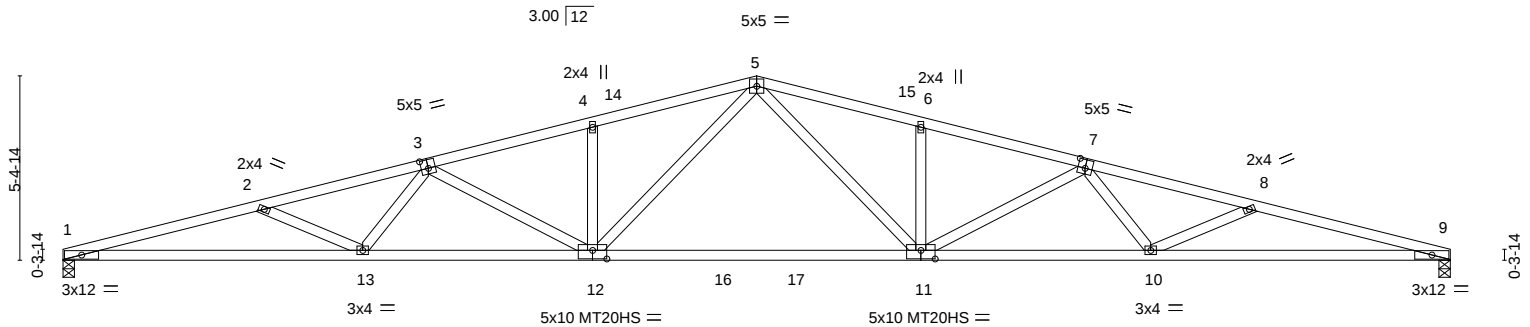
8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:31 2022 Page 1

ID:rsz0L9oK2ulXIFKf9WuSKoz8JOQ-j5FtJc5kGxxlul_R8SxgLYSvcpVfklqvJlyXlyB27Q

Job Reference (optional)

5-10-12	10-8-8	15-6-4	20-4-0	25-1-12	29-11-8	34-9-4	40-8-0
5-10-12	4-9-12	4-9-12	4-9-12	4-9-12	4-9-12	4-9-12	5-10-12

Scale = 1:67.5



8-9-6	15-6-4	25-1-12	31-10-10	40-8-0
8-9-6	6-8-14	9-7-8	6-8-14	8-9-6

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [7:0-2-8,0-3-0], [11:0-5-0,0-3-0], [12:0-5-0,0-3-0]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.79	Vert(LL)	-0.75 11-12	>642	360	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.91	Vert(CT)	-1.34 11-12	>362	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.56	Horz(CT)	0.23 9	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S	Wind(LL)	0.53 11-12	>919	240		
							Weight: 188 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP DSS *Except*
11-12: 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-2-13 oc bracing.

REACTIONS.

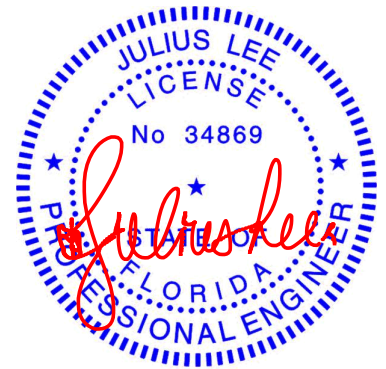
(size) 1=0-4-0, 9=0-4-0
Max Horz 1=71(LC 11)
Max Uplift 1=-489(LC 12), 9=-489(LC 12)
Max Grav 1=1627(LC 19), 9=1627(LC 19)

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

TOP CHORD 1-2=-5448/2718, 2-3=-5178/2471, 3-4=-4217/2135, 4-5=-4219/2220, 5-6=-4219/2220,
6-7=-4217/2136, 7-8=-5178/2471, 8-9=-5448/2719
BOT CHORD 1-13=-2623/5249, 12-13=-2272/4732, 11-12=-1530/3205, 10-11=-2237/4732,
9-10=-2588/5249
WEBS 5-11=-591/1287, 6-11=-276/309, 7-11=-790/405, 7-10=-85/474, 8-10=-381/333,
5-12=-591/1287, 4-12=-276/310, 3-12=-790/405, 3-13=-85/473, 2-13=-381/333

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=41ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) 0-2-0 to 4-2-13, Exterior(2N) 4-2-13 to 20-4-0, Corner(3R) 20-4-0 to 24-4-13, Exterior(2N) 24-4-13 to 40-6-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=489, 9=489.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367376
220719A	T06	Common Supported Gable	1	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:34 2022 Page 1
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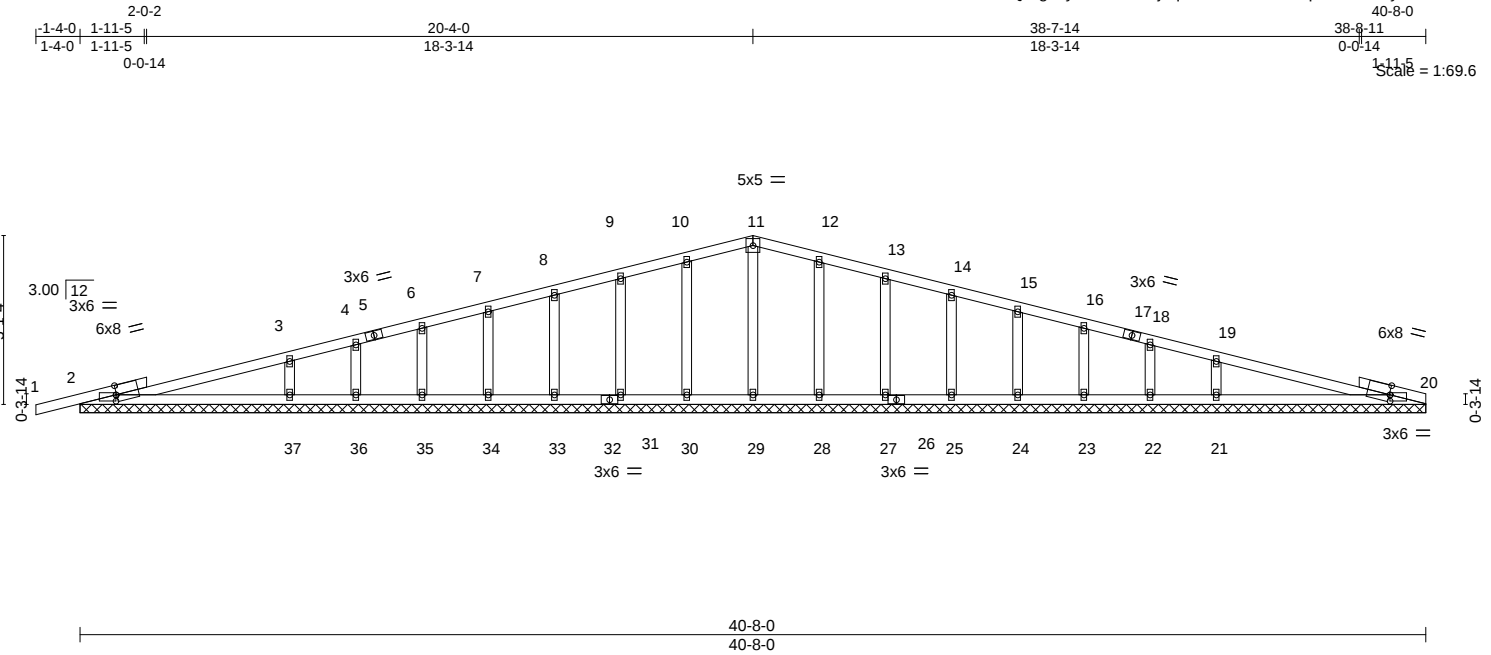


Plate Offsets (X,Y)-- [2:0-0-0,0-2-4], [2:0-0-4,0-3-6], [20:0-0-4,0-3-6], [20:0-0-0,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.31	Vert(LL) -0.00	1	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.24	Vert(CT) 0.02	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.09	Horz(CT) 0.00	20	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 188 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.

All bearings 40-8-0.
(lb) - Max Horz 2=72(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 20, 30, 31, 33, 34, 35, 36, 28, 27,
25, 24, 23, 22 except 2=-139(LC 12), 37=-161(LC 12), 21=-184(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 20, 29, 30, 31, 33, 34, 35, 36,
28, 27, 25, 24, 23, 22 except 2=271(LC 1), 37=502(LC 1), 21=524(LC 1)

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

WEBS 3-37=-346/276, 19-21=-366/295

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=41ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-4-0 to 2-8-13, Exterior(2N) 2-8-13 to 20-4-0, Corner(3R) 20-4-0 to 24-4-0, Exterior(2N) 24-4-0 to 40-8-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 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 requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 30, 31, 33, 34, 35, 36, 28, 27, 25, 24, 23, 22 except (jt=lb) 2=139, 37=161, 21=184.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 20, 2.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

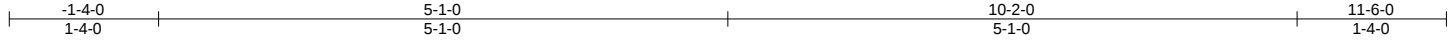


16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367377
220719A	T07	Common	1	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:35 2022 Page 1
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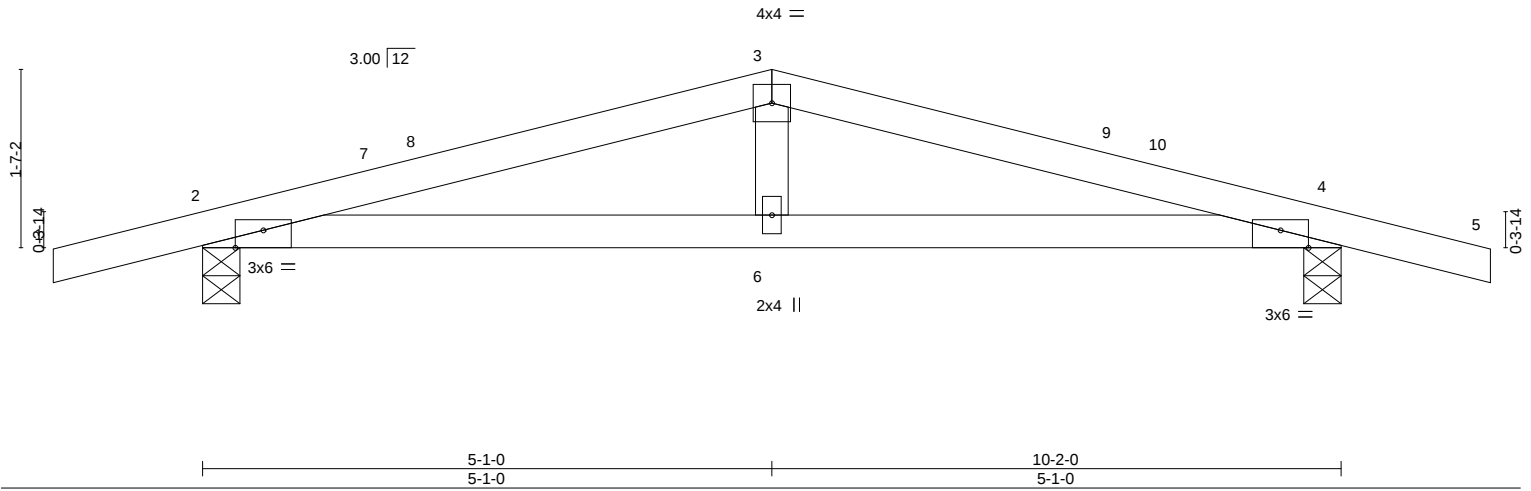


Plate Offsets (X,Y)--		[2:0-3-0,Edge], [4:0-3-0,Edge]											
LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.02	in	(loc)	I/defl	L/d	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.04	2-6	>999	240			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	4	n/a	n/a			
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S		Wind(LL)	0.03	2-6	>999	240		Weight: 36 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-2 oc bracing.

REACTIONS.

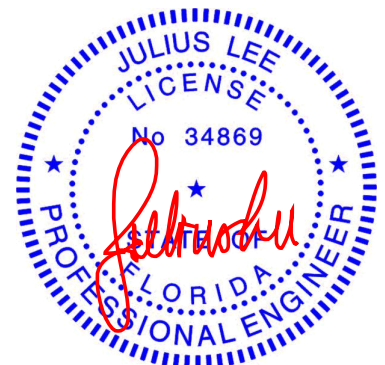
(size) 2=0-4-0, 4=0-4-0
Max Horz 2=26(LC 8)
Max Uplift 2=-201(LC 12), 4=-201(LC 12)
Max Grav 2=445(LC 1), 4=445(LC 1)

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

TOP CHORD 2-3=-780/674, 3-4=-780/674
BOT CHORD 2-6=-568/721, 4-6=-568/721

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 5-1-0, Exterior(2R) 5-1-0 to 8-1-0, Interior(1) 8-1-0 to 11-6-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=201, 4=201.



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

December 9,2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



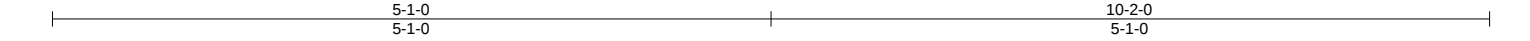
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	T08	Common	1	1	T29367378

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:36 2022 Page 1
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Job Reference (optional)



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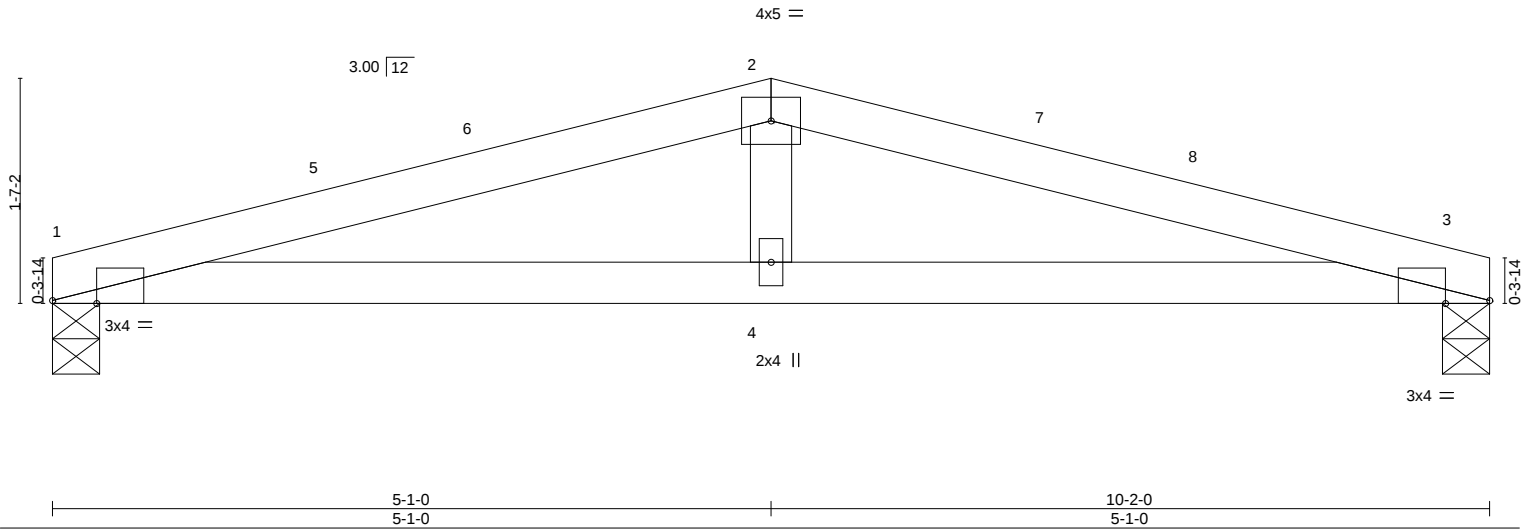


Plate Offsets (X,Y)--		[1:0-3-12,Edge], [3:0-3-12,Edge]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	L/defl	L/d	PLATES
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.02	4	>999	360	MT20
TCDL	7.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.05	1-4	>999	240	GRIP
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	3	n/a	n/a	244/190
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S		Wind(LL)	0.04	4	>999	240	Weight: 32 lb
											FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

REACTIONS.

(size) 1=0-4-0, 3=0-4-0
Max Horz 1=-17(LC 10)
Max Uplift 1=-119(LC 12), 3=-119(LC 12)
Max Grav 1=364(LC 1), 3=364(LC 1)

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

TOP CHORD 1-2=-832/756, 2-3=-832/755
BOT CHORD 1-4=-681/781, 3-4=-681/781

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-2-0 to 3-2-0, Interior(1) 3-2-0 to 5-1-0, Exterior(2R) 5-1-0 to 8-1-0, Interior(1) 8-1-0 to 10-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=119, 3=119.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367379
220719A	T09	Common Structural Gable	1	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:38 2022 Page 1

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-1-4-0	1-11-5	2-0-2	5-1-0	8-1-14	8-2-11	10-2-0	11-6-0
1-4-0	1-11-5	0-0-14	3-0-14	3-0-14	0-0-14	1-11-5	1-4-0

Scale = 1:20.6

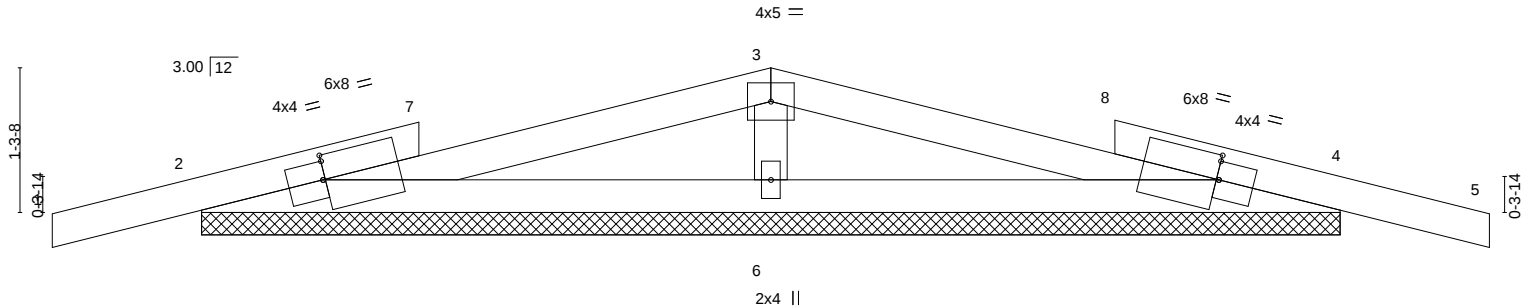


Plate Offsets (X,Y)--	[2:0-0-4,0-2-10], [2:0-0-4,0-2-0], [4:0-0-4,0-2-10], [4:0-0-4,0-2-0]
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LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.29	Vert(LL) 0.01	5	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.18	Vert(CT) 0.03	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(CT) 0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 39 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

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=10-2-0, 4=10-2-0, 6=10-2-0
Max Horz 2=-23(LC 9)
Max Uplift 2=-144(LC 12), 4=-144(LC 12), 6=-105(LC 12)
Max Grav 2=247(LC 21), 4=247(LC 22), 6=416(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-276/495

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 5-1-0, Corner(3R) 5-1-0 to 8-1-0, Exterior(2N) 8-1-0 to 11-6-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 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.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=144, 4=144, 6=105.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



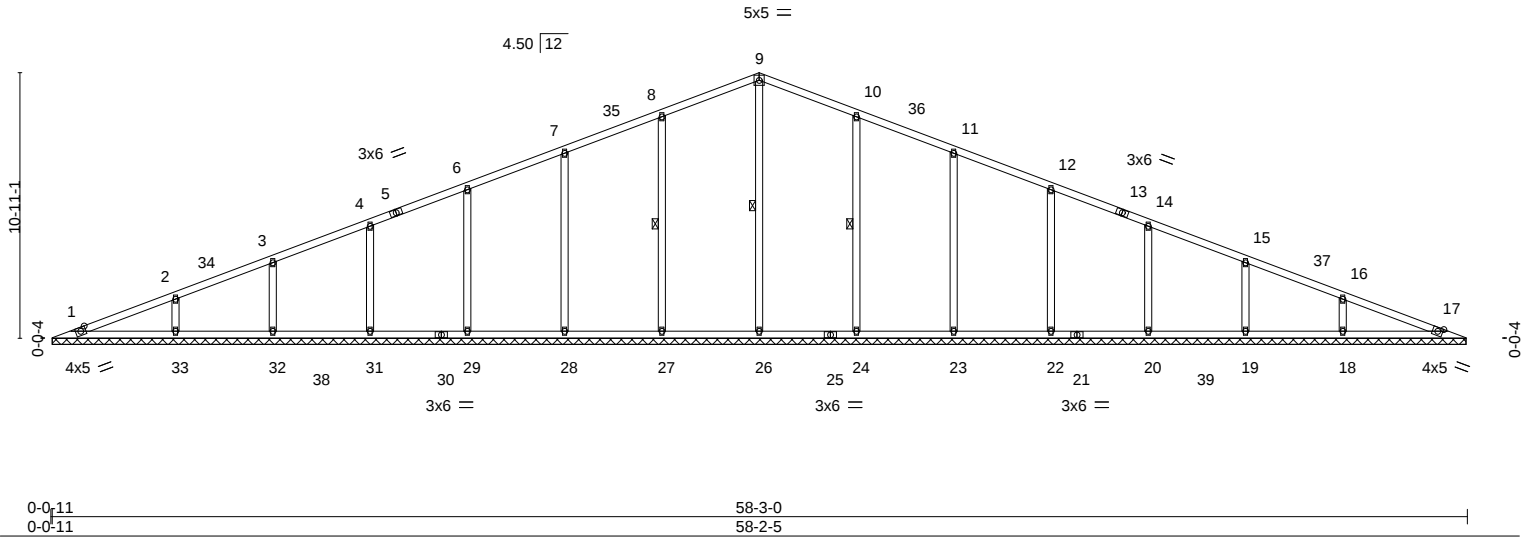
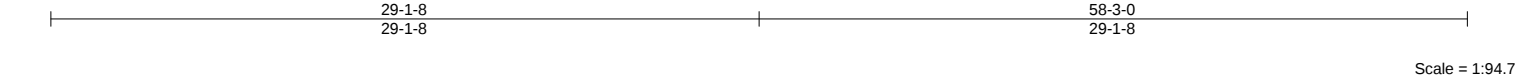
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	V01	Valley	1	1	T29367380

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:40 2022 Page 1
ID:VOYKhuh_uPvddTt?d0LGAKyLbKF-yqIHChCN8i4TTThAAArbnDRKBcR9wGtl9_C_wMGyB27H

Job Reference (optional)



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2'-0-0	TC 0.13	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.12	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.25	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 17 n/a n/a		
	Code FBC2020/TPI2014			Weight: 283 lb	FT = 20%

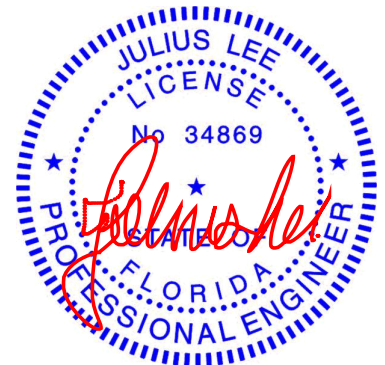
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6'-0-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing.
OTHERS 2x4 SP No.3	WEBS 1 Row at midpt 9-26, 8-27, 10-24

REACTIONS. All bearings 58-1-11.
(lb) - Max Horz 1=-316(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 17 except 27=-127(LC 12), 28=-119(LC 12), 29=-120(LC 12), 31=-122(LC 12), 32=-114(LC 12), 33=-143(LC 12), 24=-127(LC 12), 23=-119(LC 12), 22=-120(LC 12), 20=-122(LC 12), 19=-114(LC 12), 18=-143(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 17 except 26=387(LC 17), 27=446(LC 17), 28=424(LC 17), 29=429(LC 17), 31=431(LC 17), 32=355(LC 17), 33=437(LC 17), 24=445(LC 18), 23=425(LC 18), 22=429(LC 18), 20=431(LC 18), 19=355(LC 18), 18=437(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 7-8=-132/276, 8-9=-168/346, 9-10=-168/337, 10-11=-132/268
WEBS 2-33=-268/222, 16-18=-267/222

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=58ft; eave=7ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-10-1 to 6-7-13, Interior(1) 6-7-13 to 29-1-8, Exterior(2R) 29-1-8 to 34-11-4, Interior(1) 34-11-4 to 57-4-15 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 17 except (jt=lb) 27=127, 28=119, 29=120, 31=122, 32=114, 33=143, 24=127, 23=119, 22=120, 20=122, 19=114, 18=143.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

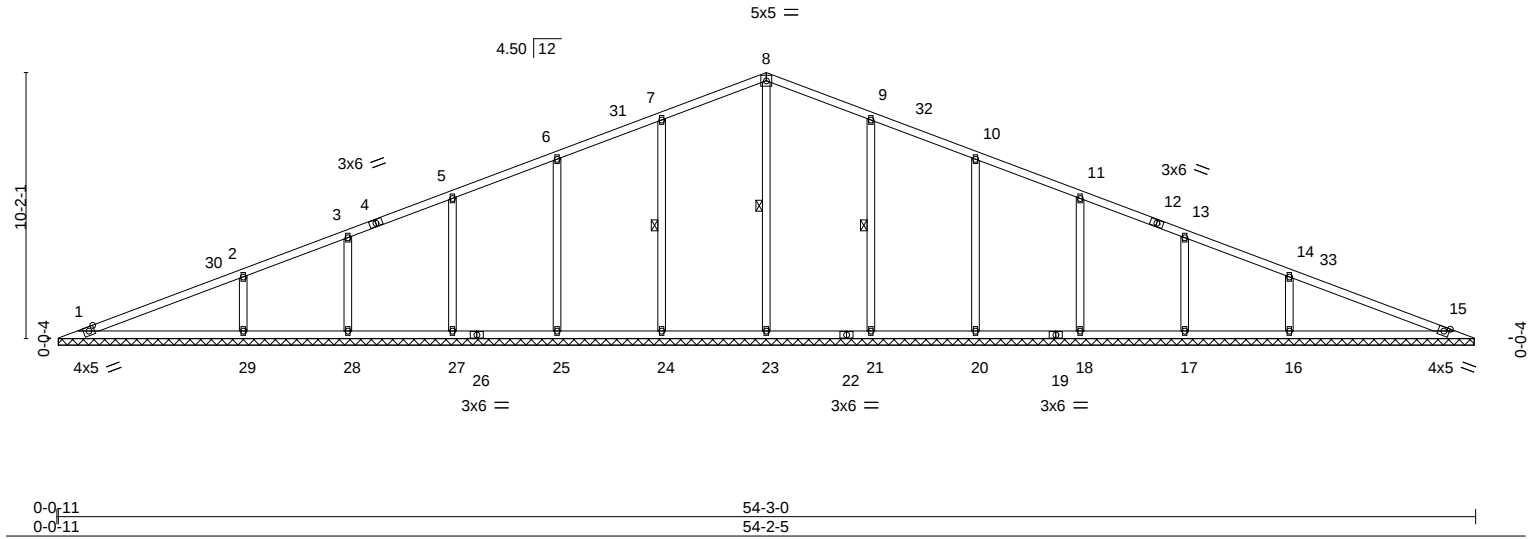
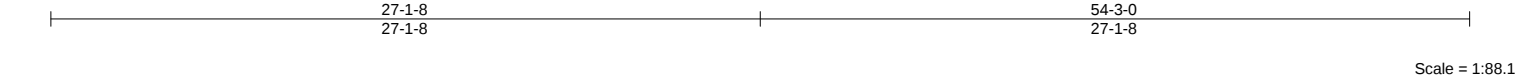


16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367381
220719A	V02	Valley	1	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:42 2022 Page 1
ID:VOYKhuu_uPvddTt?d0LGAKyLbKF-uDQ2dMDegKKBi_KZIFdFlsPVPFockn3SRWT1Q9yB27F



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.31	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.23	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.20	Horz(CT)	0.01	15	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 254 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.
WEBS 1 Row at midpt 8-23, 7-24, 9-21

REACTIONS.

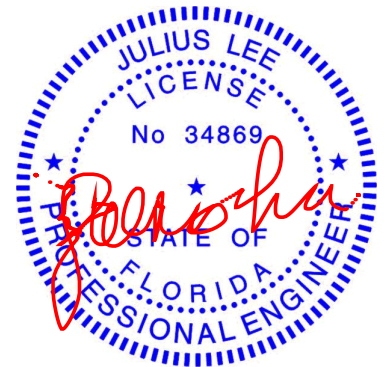
All bearings 54-1-11.
(lb) - Max Horz 1=-288(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 28, 17, 15 except 24=-128(LC 12), 25=-117(LC 12), 27=-128(LC 12), 29=-194(LC 12), 21=-128(LC 12), 20=-117(LC 12), 18=-128(LC 12), 16=-194(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 15 except 23=383(LC 17), 24=446(LC 17), 25=415(LC 17), 27=454(LC 17), 28=311(LC 17), 29=589(LC 17), 21=445(LC 18), 20=416(LC 18), 18=454(LC 18), 17=311(LC 18), 16=589(LC 18)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=-121/251, 7-8=-157/321, 8-9=-157/313
WEBS 2-29=-359/278, 14-16=-359/278

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=54ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-10-1 to 6-3-0, Interior(1) 6-3-0 to 27-1-8, Exterior(2R) 27-1-8 to 32-6-7, Interior(1) 32-6-7 to 53-4-15 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 28, 17, 15 except (jt=lb) 24=128, 25=117, 27=128, 29=194, 21=128, 20=117, 18=128, 16=194.



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

December 9, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	V03	Valley	1	1	T29367382

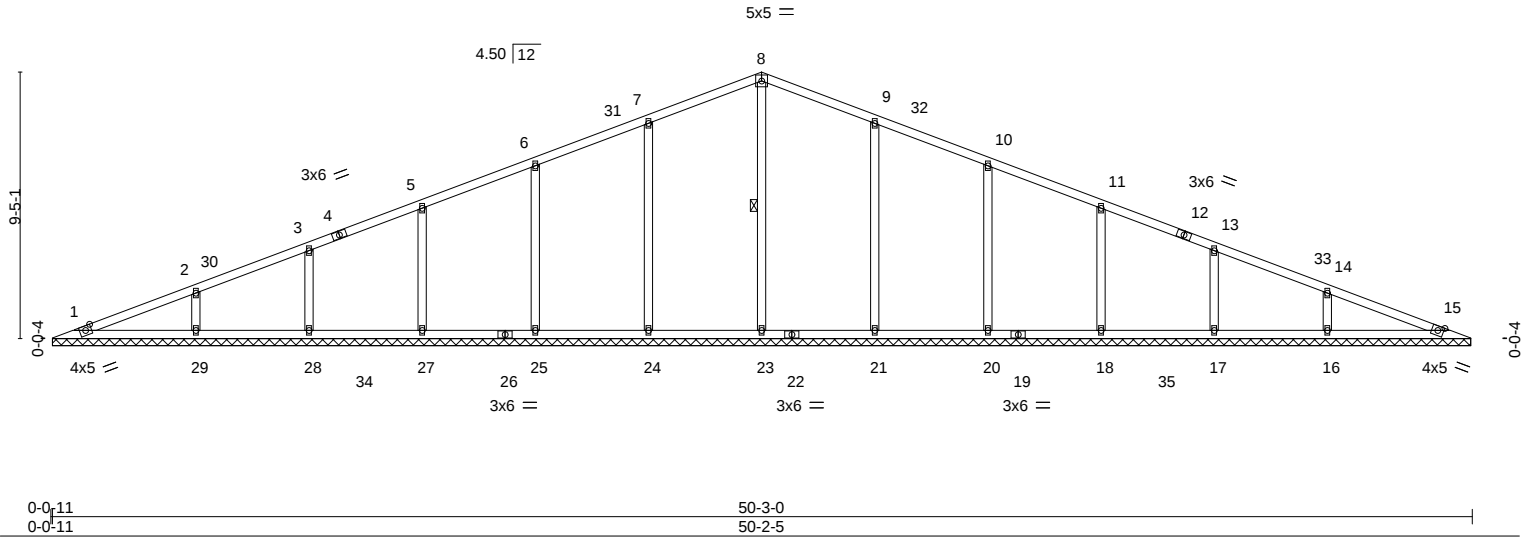
Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:44 2022 Page 1
ID:VOYKhuh_uPvddTt?d0LGAKyLbKF-rbYo22FuCxavylUxPgijNHUt3WsCgRluqy8V2yB27D

Job Reference (optional)

50-3-0
25-1-8

Scale = 1:81.5



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.12	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.27	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 15 n/a n/a		
	Code FBC2020/TPI2014			Weight: 230 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.
WEBS 1 Row at midpt 8-23

REACTIONS.

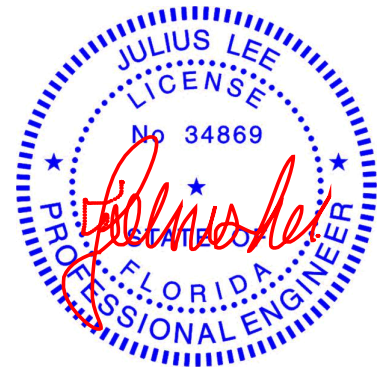
All bearings 50-1-11.
(lb) - Max Horz 1=-261(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 15 except 24=-128(LC 12), 25=-118(LC 12), 27=-122(LC 12), 28=-114(LC 12), 29=-143(LC 12), 21=-128(LC 12), 20=-118(LC 12), 18=-122(LC 12), 17=-114(LC 12), 16=-143(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 15 except 23=381(LC 17), 24=442(LC 17), 25=420(LC 17), 27=428(LC 17), 28=351(LC 17), 29=432(LC 17), 21=442(LC 18), 20=420(LC 18), 18=428(LC 18), 17=351(LC 18), 16=432(LC 18)

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

TOP CHORD 7-8=-146/296, 8-9=-146/288
WEBS 2-29=-263/216, 14-16=-263/216

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-10-1 to 5-10-3, Interior(1) 5-10-3 to 25-1-8, Exterior(2R) 25-1-8 to 30-1-11, Interior(1) 30-1-11 to 49-4-15 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 15 except (jt=lb) 24=128, 25=118, 27=122, 28=114, 29=143, 21=128, 20=118, 18=122, 17=114, 16=143.



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

December 9, 2022

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

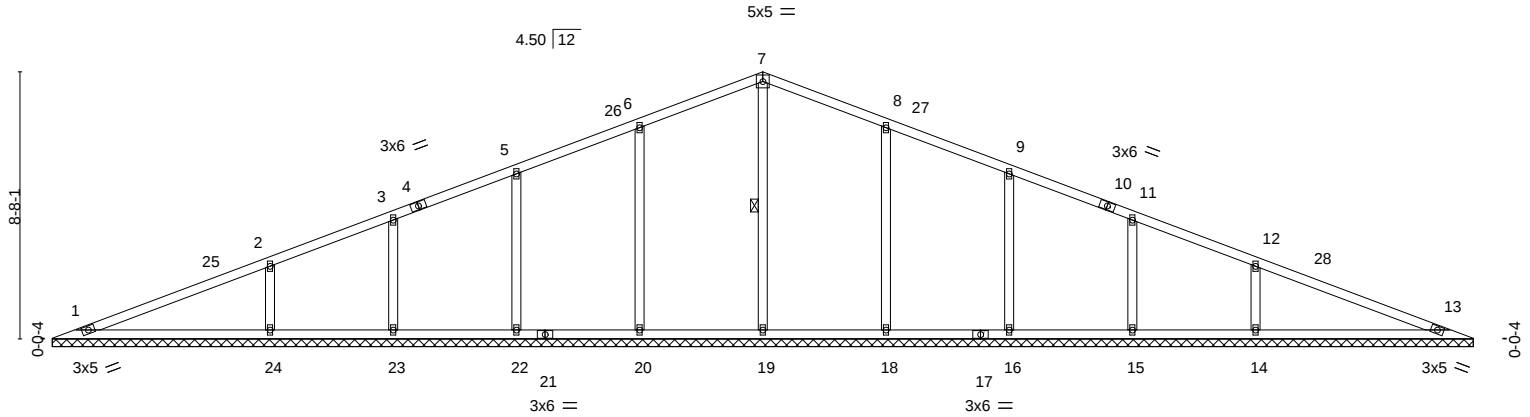
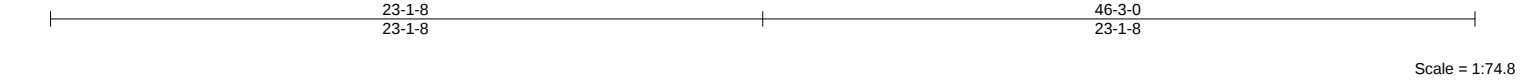


16023 Swingle Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367383
220719A	V04	Valley	1	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:46 2022 Page 1
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0-0-11 0-0-11	46-3-0 46-2-5								
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 0.31	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.23	Vert(CT)	n/a	-	n/a	999	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.21	Horz(CT)	0.01	13	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S						
								Weight: 203 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.
WEBS 1 Row at midpt 7-19

REACTIONS.

All bearings 46-1-11.

(lb) - Max Horz 1=-233(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 1, 23, 15, 13 except 20=-126(LC 12), 22=-126(LC 12),
24=-194(LC 12), 18=-126(LC 12), 16=-126(LC 12), 14=-194(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 1, 13 except 19=381(LC 17), 20=432(LC 17), 22=444(LC 17),
23=309(LC 17), 24=582(LC 17), 18=432(LC 18), 16=444(LC 18), 15=309(LC 18), 14=582(LC 18)

FORCES.

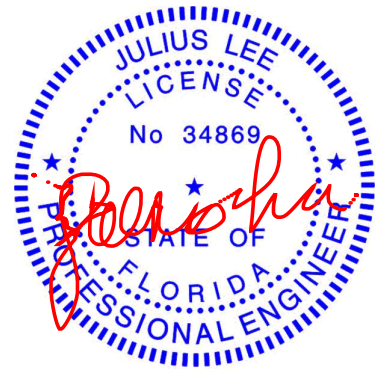
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 6-7=-134/270, 7-8=-134/263

WEBS 2-24=-351/270, 12-14=-351/270

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-10-1 to 5-5-7, Interior(1) 5-5-7 to 23-1-8, Exterior(2R) 23-1-8 to 27-8-14, Interior(1) 27-8-14 to 45-4-15 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 23, 15, 13 except (jt=lb) 20=126, 22=126, 24=194, 18=126, 16=126, 14=194.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

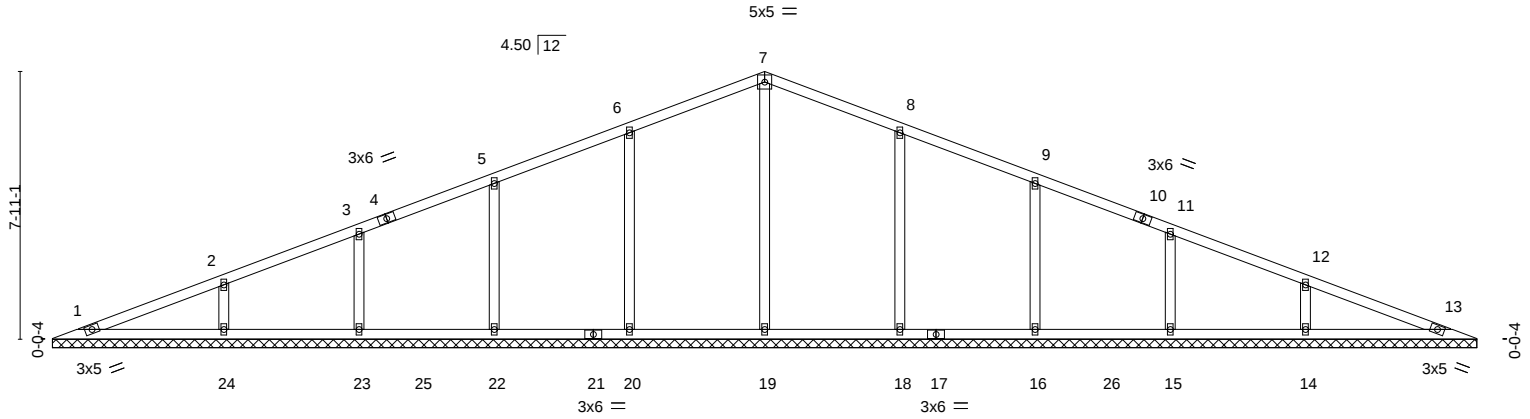
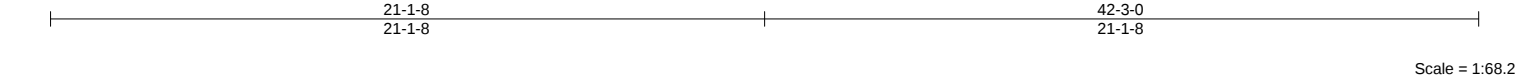


16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367384
220719A	V05	Valley	1	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:48 2022 Page 1
ID:VOYKhuh_uPvddTt?d0LGAKyLbKF-jNnJuQIPGA4KRvnieWkfX7fZbgto8VPLpSwLepyB279



42-2-5		42-2-5		42-3-0		42-3-0	
0-0-4		0-0-4		0-0-4		0-0-4	
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc) l/defl L/d
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	n/a - n/a 999
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	n/a - n/a 999
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01 13 n/a n/a
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S			
						PLATES	GRIP
						MT20	244/190
						Weight: 181 lb FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.

All bearings 42-1-11.

(lb) - Max Horz 1=206(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 1, 13 except 20=-128(LC 12), 22=-120(LC 12), 23=-114(LC 12), 24=-143(LC 12), 18=-128(LC 12), 16=-120(LC 12), 15=-114(LC 12), 14=-143(LC 12)

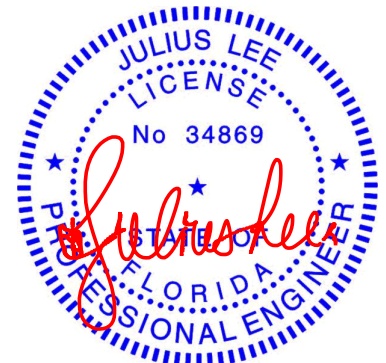
Max Grav All reactions 250 lb or less at joint(s) 1, 13 except 19=375(LC 17), 20=435(LC 17), 22=417(LC 17), 23=347(LC 17), 24=425(LC 17), 18=435(LC 18), 16=417(LC 18), 15=347(LC 18), 14=425(LC 18)

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

WEBS 2-24=-256/209, 12-14=-256/209

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TC DL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-10-1 to 5-1-8, Interior(1) 5-1-8 to 21-1-8, Exterior(2R) 21-1-8 to 25-1-8, Interior(1) 25-1-8 to 41-4-15 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 13 except (jt=lb) 20=128, 22=120, 23=114, 24=143, 18=128, 16=120, 15=114, 14=143.



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

December 9, 2022

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	V06	Valley	1	1	T29367385

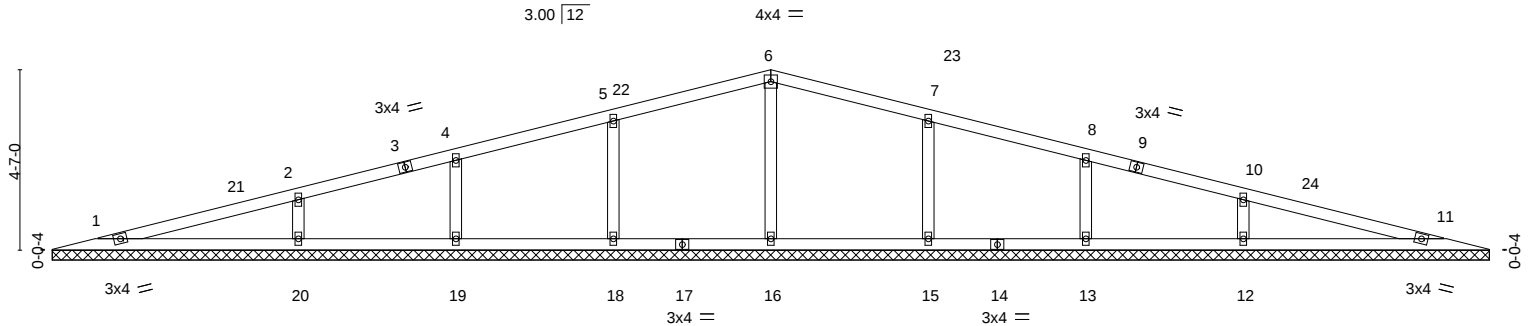
Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:50 2022 Page 1
ID:rsz0L9oK2uIXfKf9WuSKoz8JOQ-flv3J5KfnnK2gDx5mxm7dYku9TYpcR?dHmPSihyB277

Job Reference (optional)

18-4-0 18-4-0 36-8-0 18-4-0

Scale = 1:58.5



0-1-0	36-8-0
0-1-0	36-7-0

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.15	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.07	Horz(CT)	0.00	11	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S						Weight: 131 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.

All bearings 36-6-0.

(lb) - Max Horz 1=-57(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 1, 16, 19, 13, 11 except 18=-119(LC 12), 20=-145(LC 12), 15=-119(LC 12), 12=-145(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 1, 11 except 16=267(LC 1), 18=324(LC 21), 19=259(LC 1), 20=399(LC 21), 15=324(LC 22), 13=259(LC 1), 12=399(LC 22)

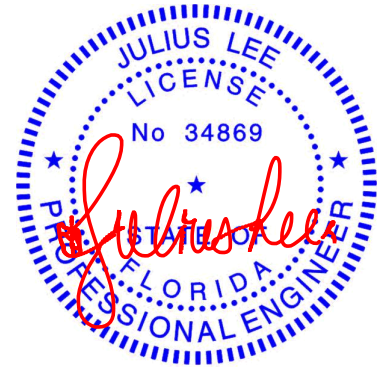
FORCES.

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

WEBS 2-20=-284/245, 10-12=-284/245

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 1-3-0 to 4-10-13, Interior(1) 4-10-13 to 18-4-0, Exterior(2R) 18-4-0 to 21-11-13, Interior(1) 21-11-13 to 35-5-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 16, 19, 13, 11 except (jt=lb) 18=119, 20=145, 15=119, 12=145.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

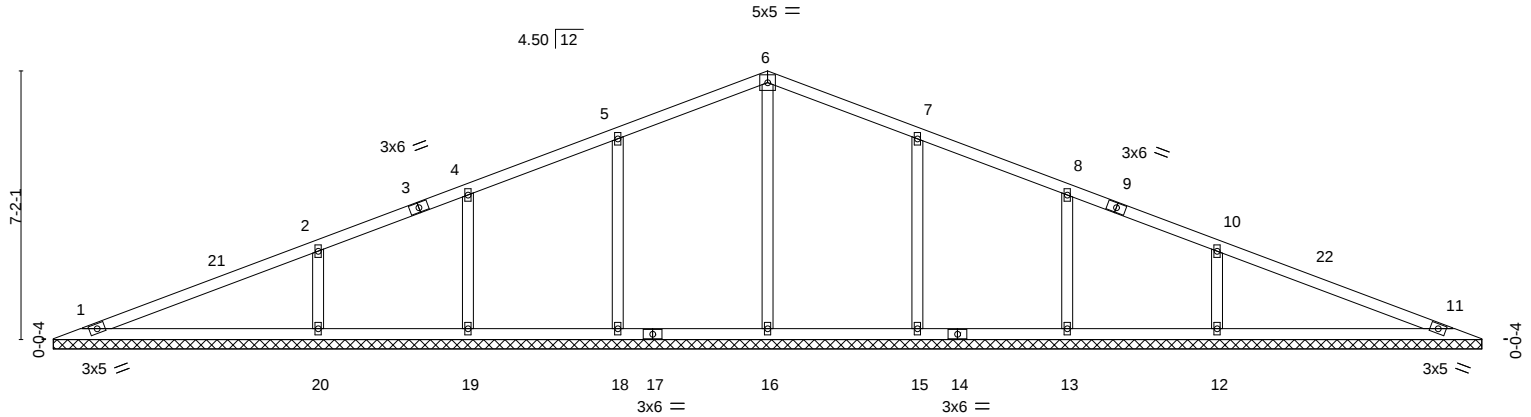
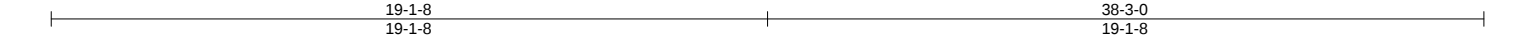
Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	V07	Valley	1	1	T29367386

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:51 2022 Page 1

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Job Reference (optional)



38-2-5		38-2-5		38-3-0	
38-2-5		38-2-5		0-0-11	
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.31	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.23	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.16	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 11 n/a n/a		
	Code FBC2020/TPI2014			Weight: 157 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.

All bearings 38-1-11.

(lb) - Max Horz 1=-178(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 1, 19, 13, 11 except 18=-136(LC 12), 20=-194(LC 12), 15=-136(LC 12), 12=-194(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 1, 11 except 16=360(LC 17), 18=459(LC 17), 19=299(LC 17), 20=572(LC 17), 15=458(LC 18), 13=299(LC 18), 12=572(LC 18)

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

WEBS 2-20=-343/262, 10-12=-342/262

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=38ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-10-1 to 4-7-13, Interior(1) 4-7-13 to 19-1-8, Exterior(2R) 19-1-8 to 23-1-8, Interior(1) 23-1-8 to 37-4-15 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 19, 13, 11 except (jt=lb) 18=136, 20=194, 15=136, 12=194.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	V08	GABLE	1	1	T29367387

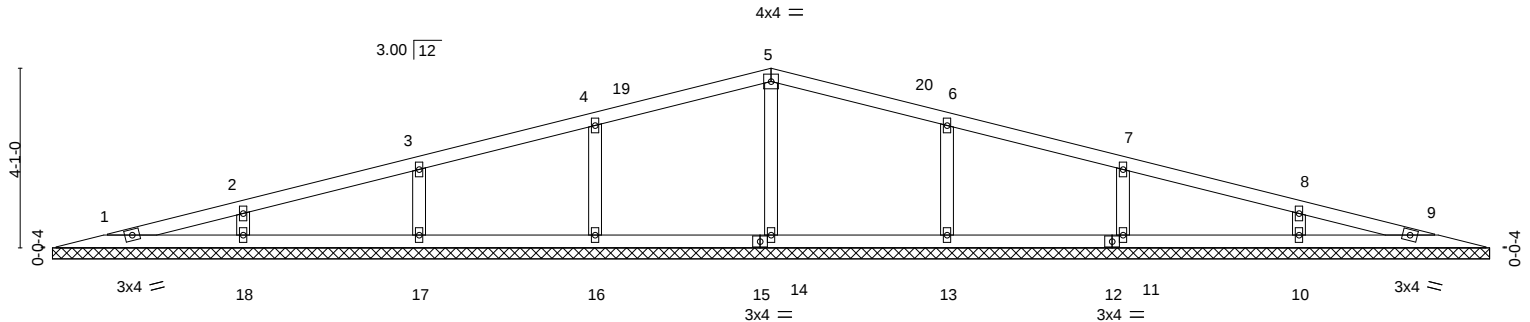
Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:53 2022 Page 1
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Job Reference (optional)

16-4-0 16-4-0 32-8-0 16-4-0

Scale = 1:52.4



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.12	in	(loc)	l/defl	L/d	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(LL)	n/a	-	n/a				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Vert(CT)	n/a	-	n/a				
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S		Horz(CT)	0.00	9	n/a				
										Weight: 113 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.

All bearings 32-8-0.

(lb) - Max Horz 1=-47(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 14 except 16=-116(LC 12), 17=-106(LC 12), 18=-106(LC 12), 13=-116(LC 12), 11=-106(LC 12), 10=-106(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 1, 9 except 14=271(LC 1), 16=314(LC 21), 17=295(LC 1), 18=292(LC 21), 13=314(LC 22), 11=295(LC 1), 10=292(LC 22)

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 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=33ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 1-3-0 to 4-4-0, Interior(1) 4-4-0 to 16-4-0, Exterior(2R) 16-4-0 to 19-7-0, Interior(1) 19-7-0 to 31-5-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 14 except (jt=lb) 16=116, 17=106, 18=106, 13=116, 11=106, 10=106.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	V11	Valley	1	1	T29367390

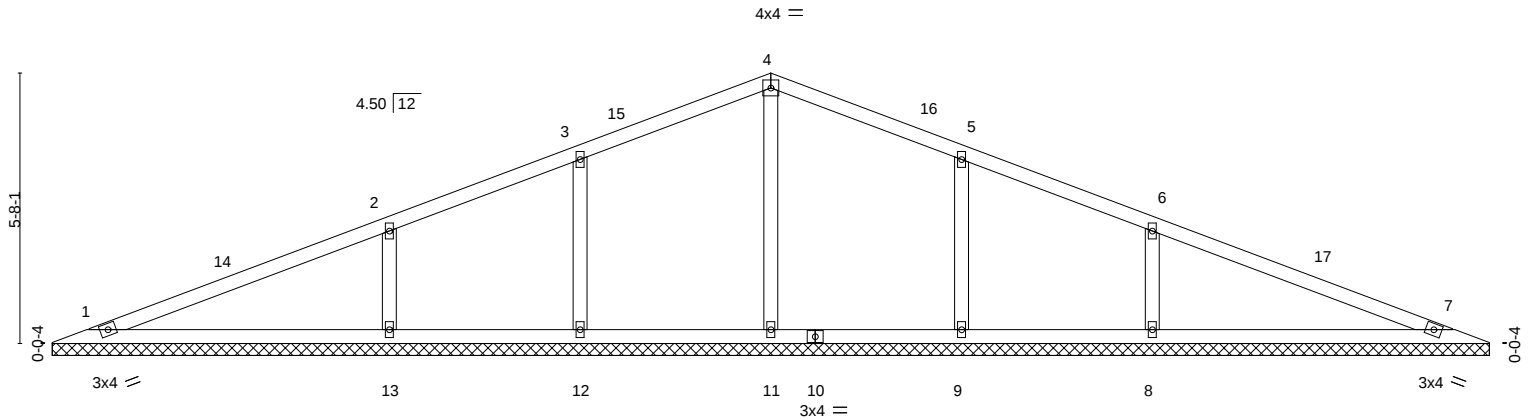
Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:19:58 2022 Page 1
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Job Reference (optional)

15-1-8 15-1-8 30-3-0 15-1-8

Scale: 1/4"=1'



0-0-11
0-0-11

30-3-0
30-2-5

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.31	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.23	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Horz(CT)	0.00	7	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 115 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.

All bearings 30-1-11.

(lb) - Max Horz 1=-124(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 12=-101(LC 12), 13=-192(LC 12), 9=-101(LC 12), 8=-192(LC 12)

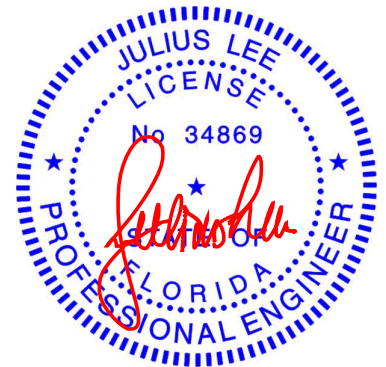
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=403(LC 17), 12=307(LC 17), 13=553(LC 17), 9=307(LC 18), 8=553(LC 18)

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

WEBS 2-13=-335/254, 6-8=-335/254

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-10-1 to 3-10-3, Interior(1) 3-10-3 to 15-1-8, Exterior(2R) 15-1-8 to 18-1-11, Interior(1) 18-1-11 to 29-4-15 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 12=101, 13=192, 9=101, 8=192.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



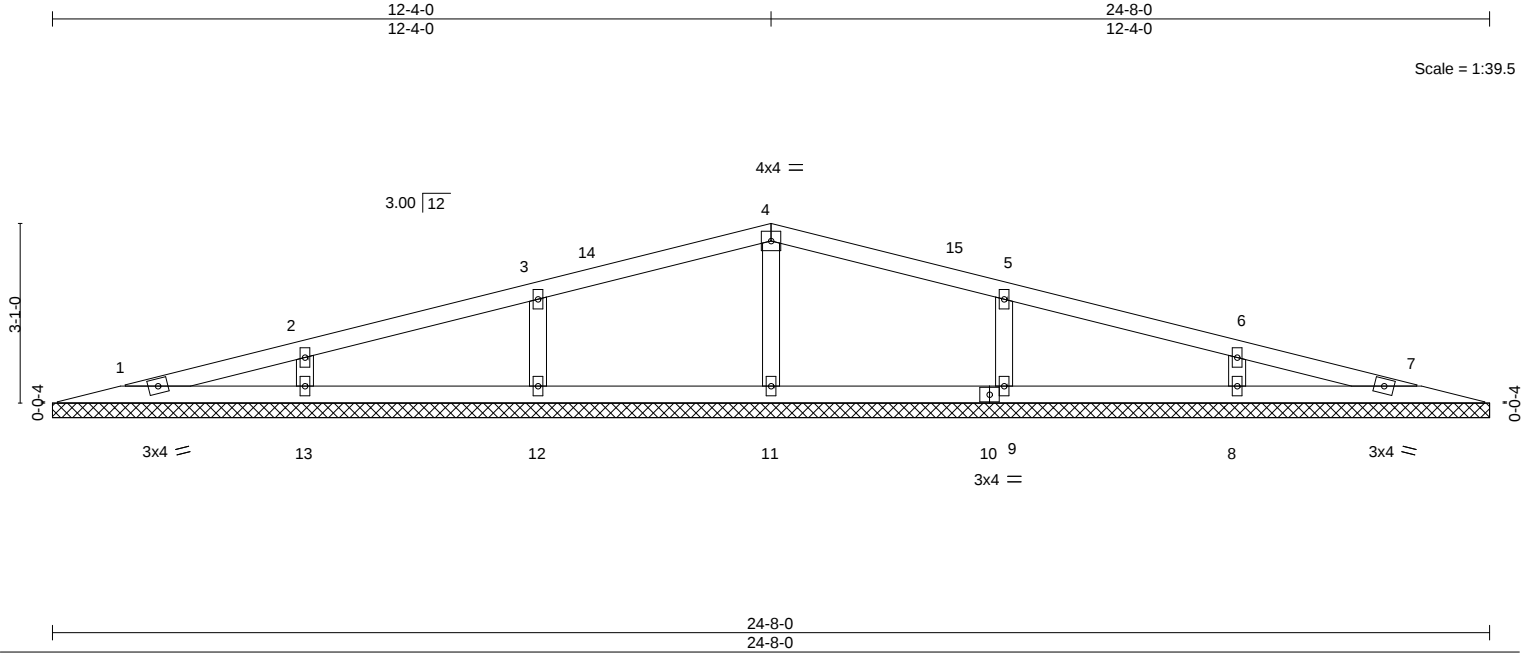
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	V12	GABLE	1	1	T29367391

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:20:00 2022 Page 1
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Job Reference (optional)



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.08	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.06	Horz(CT)	0.00	7	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 80 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.

All bearings 24-8-0.
(lb) - Max Horz 1=36(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 11 except 12=-117(LC 12), 13=-103(LC 12), 9=-117(LC 12), 8=-103(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=270(LC 1), 12=317(LC 21), 13=287(LC 1), 9=317(LC 22), 8=287(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 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 1-3-0 to 4-4-0, Interior(1) 4-4-0 to 12-4-0, Exterior(2R) 12-4-0 to 15-4-0, Interior(1) 15-4-0 to 23-5-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 11 except (jt=lb) 12=117, 13=103, 9=117, 8=103.



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

December 9, 2022

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



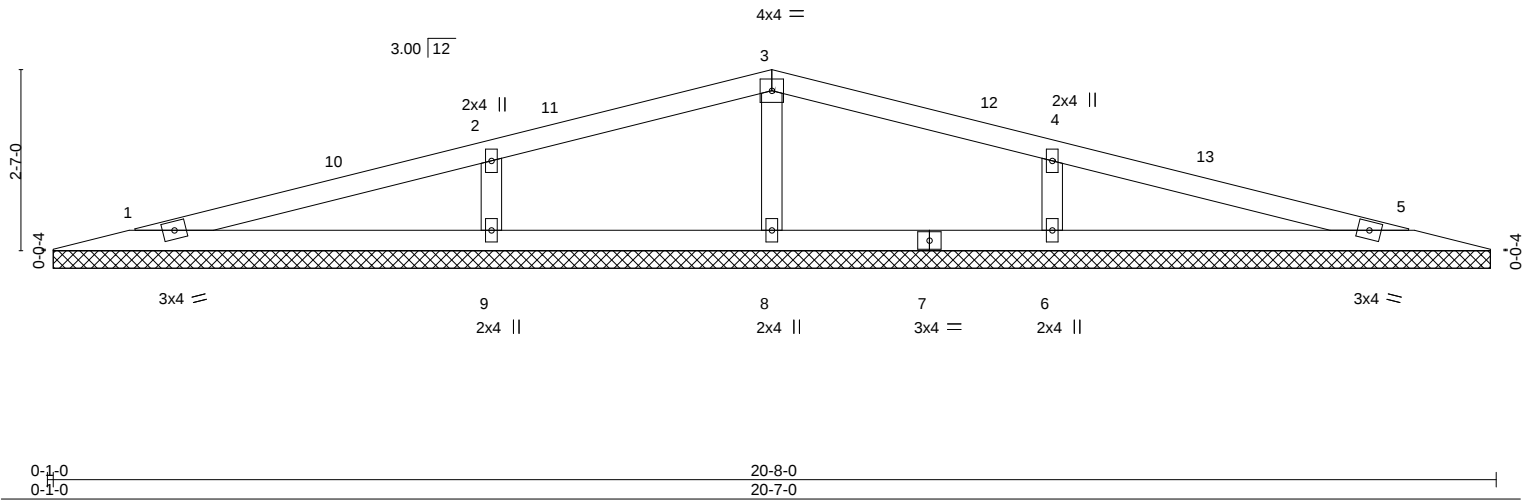
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	V14	Valley	1	1	T29367393

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:20:03 2022 Page 1
ID:rsz0L9oK2ulXlFKf9WuSKoz8JOQ-nFB_1YUpinzCkDRb0AVBeIn6p_r9J4YGH3efRyB26w
20-8-0
10-4-0

Scale = 1:32.9



0-1-0 0-1-0	20-8-0 20-7-0								
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 0.20	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.15	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S					Weight: 64 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.

All bearings 20-6-0.

(lb) - Max Horz 1=30(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 8 except 9=152(LC 12), 6=152(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 1, 5, 8 except 9=415(LC 21), 6=415(LC 22)

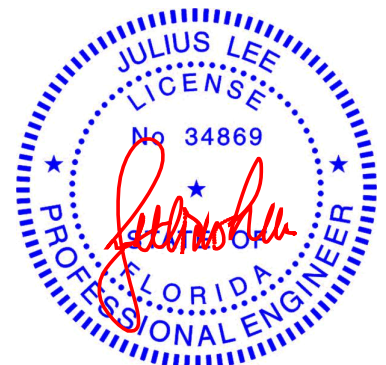
FORCES.

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

WEBS 2-9=298/273, 4-6=298/273

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 1-3-0 to 4-3-0, Interior(1) 4-3-0 to 10-4-0, Exterior(2R) 10-4-0 to 13-4-0, Interior(1) 13-4-0 to 19-5-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 8 except (jt=lb) 9=152, 6=152.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	V15	Valley	1	1	T29367394

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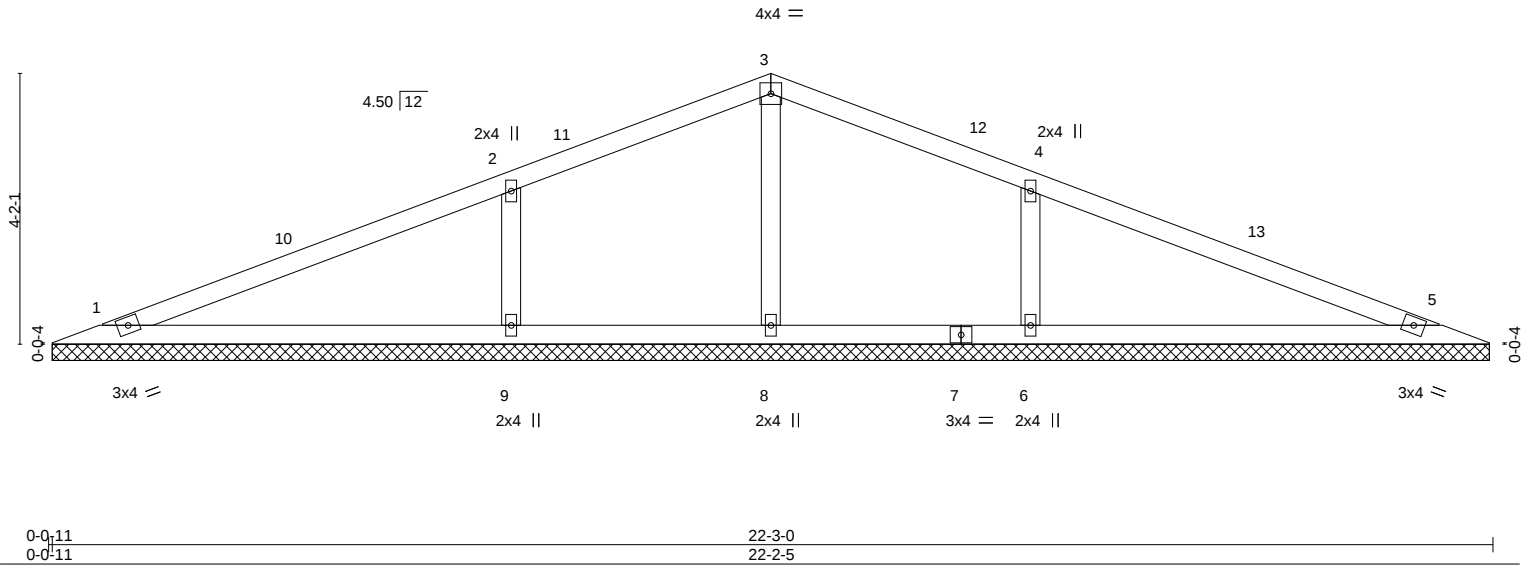
8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:20:04 2022 Page 1

ID:VOYKhuh_uPvddTt?d0LGAKyLbKF-FSIMFuURU453LN0nat0QBVJGq7Jlum7hVxoCBtyB26v

Job Reference (optional)

11-1-8 11-1-8 22-3-0 11-1-8

Scale = 1:35.5



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.31	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.23	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.09	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 77 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.

All bearings 22-1-11.

(lb) - Max Horz 1=-82(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=-202(LC 12), 6=-202(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 1, 5, 8 except 9=494(LC 1), 6=494(LC 1)

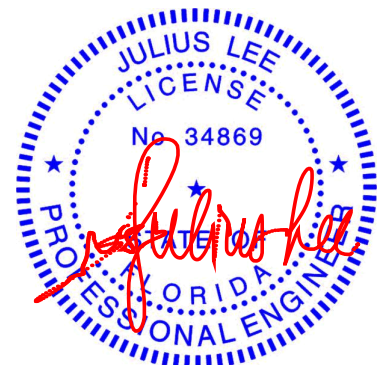
FORCES.

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

WEBS 2-9=-350/318, 4-6=-350/318

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-10-1 to 3-10-1, Interior(1) 3-10-1 to 11-1-8, Exterior(2R) 11-1-8 to 14-1-8, Interior(1) 14-1-8 to 21-4-15 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 9=202, 6=202.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

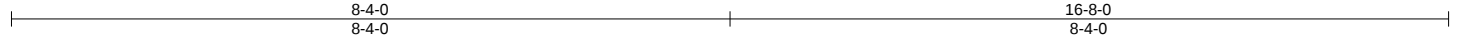


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Chesterfield, MO 63017

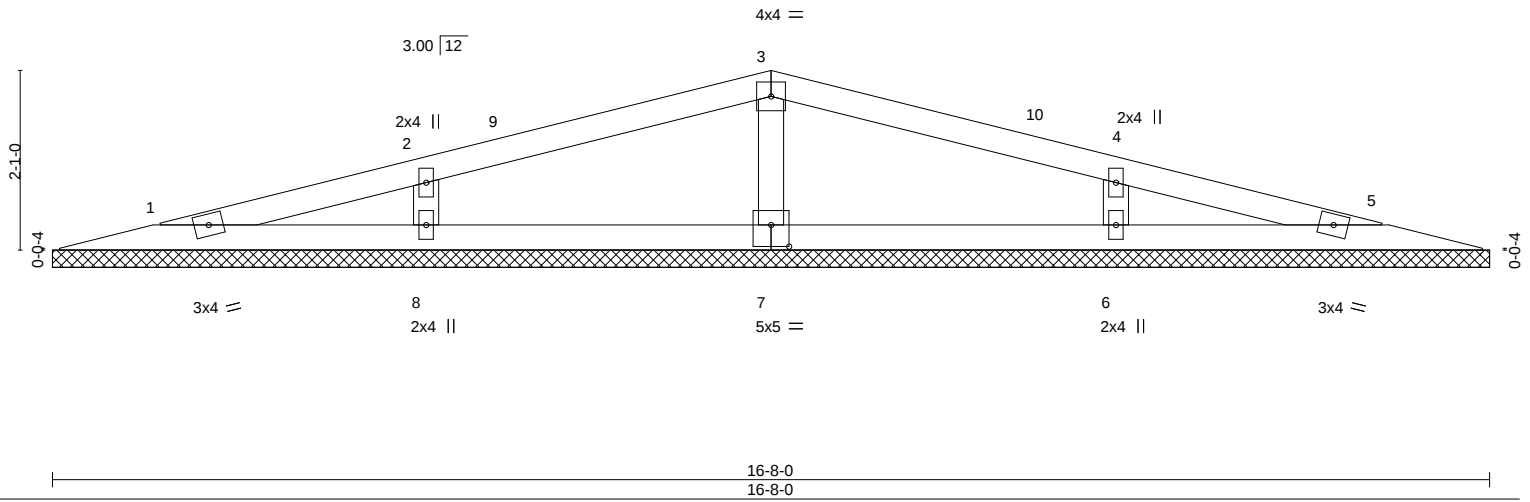
Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367395
220719A	V16	GABLE	1	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:20:06 2022 Page 1
ID:rsz0L9oK2ulXIFk9WuSKoz8JOQ-Bqt6faWh0iMnbg9Ai3uGwPflw0ZMg?_yFHIFmyB26t



Scale = 1:26.7



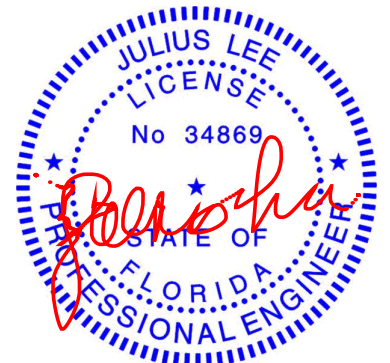
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	n/a	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00				
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
								Weight: 50 lb FT = 20%			

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3		

REACTIONS.	
All bearings 16-8-0.	
(lb) - Max Horz	1=-23(LC 10)
Max Uplift	All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-115(LC 12), 6=-115(LC 12)
Max Grav	All reactions 250 lb or less at joint(s) 1, 5 except 7=274(LC 1), 8=310(LC 21), 6=310(LC 22)

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 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 1-3-0 to 4-4-0, Interior(1) 4-4-0 to 8-4-0, Exterior(2R) 8-4-0 to 11-4-0, Interior(1) 11-4-0 to 15-5-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 8=115, 6=115.



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

December 9,2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

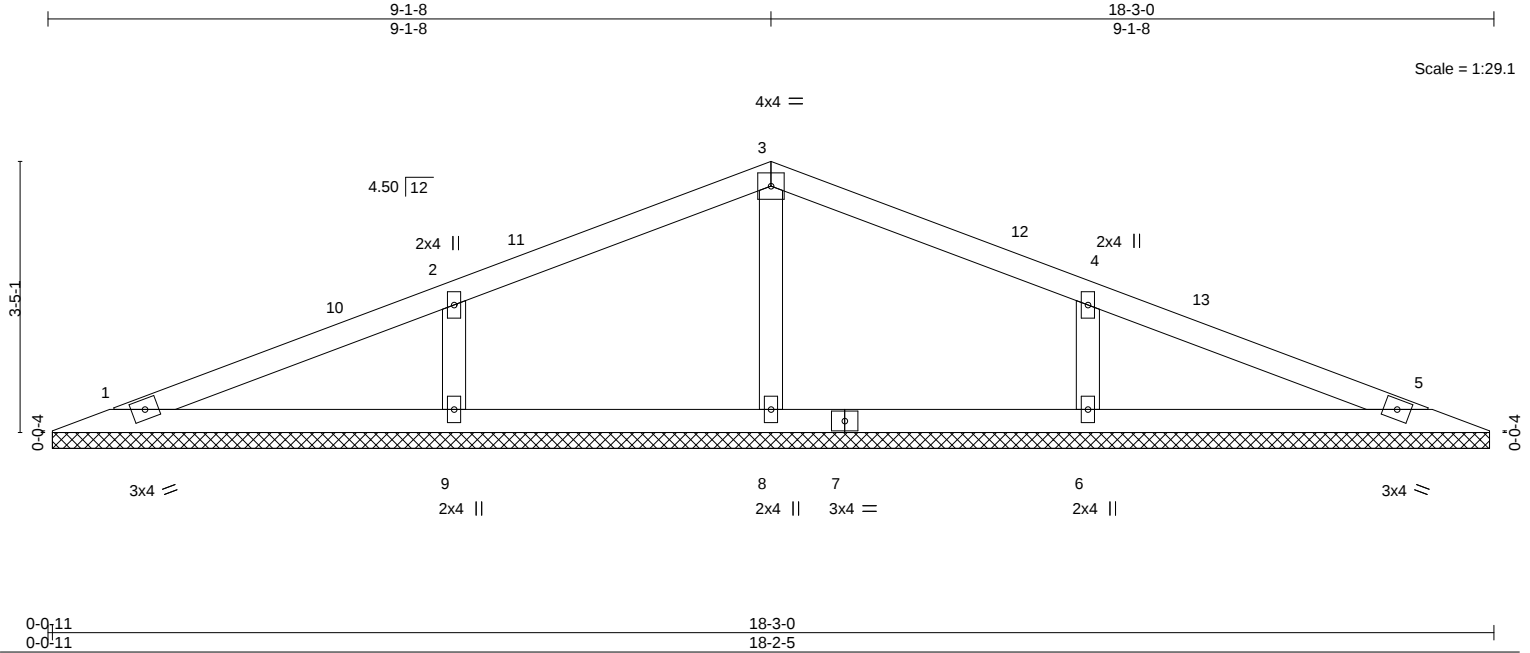
Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	V17	Valley	1	1	T29367396

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:20:07 2022 Page 1

ID:VOYKhuh_uPvddTt?d0LGAKyLbKF-f1RUtvXJn?UeCqkMF?a7p8xpTKMO5748Bv1soCyB26s

Job Reference (optional)



0-0-11	18-3-0
0-0-11	18-2-5

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.16	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.11	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 62 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.

All bearings 18-1-11.

(lb) - Max Horz 1=-66(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 8 except 9=-151(LC 12), 6=-151(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 1, 5, 8 except 9=369(LC 21), 6=369(LC 22)

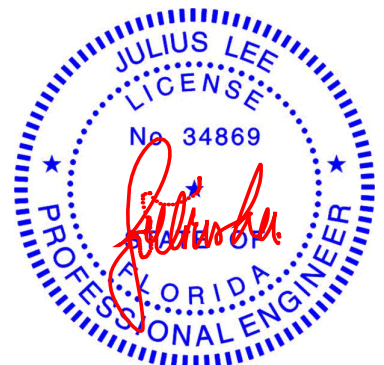
FORCES.

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

WEBS 2-9=-268/274, 4-6=-268/274

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-10-1 to 3-10-1, Interior(1) 3-10-1 to 9-1-8, Exterior(2R) 9-1-8 to 12-1-8, Interior(1) 12-1-8 to 17-4-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 8 except (jt=lb) 9=151, 6=151.



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

December 9,2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

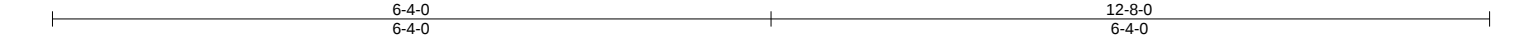


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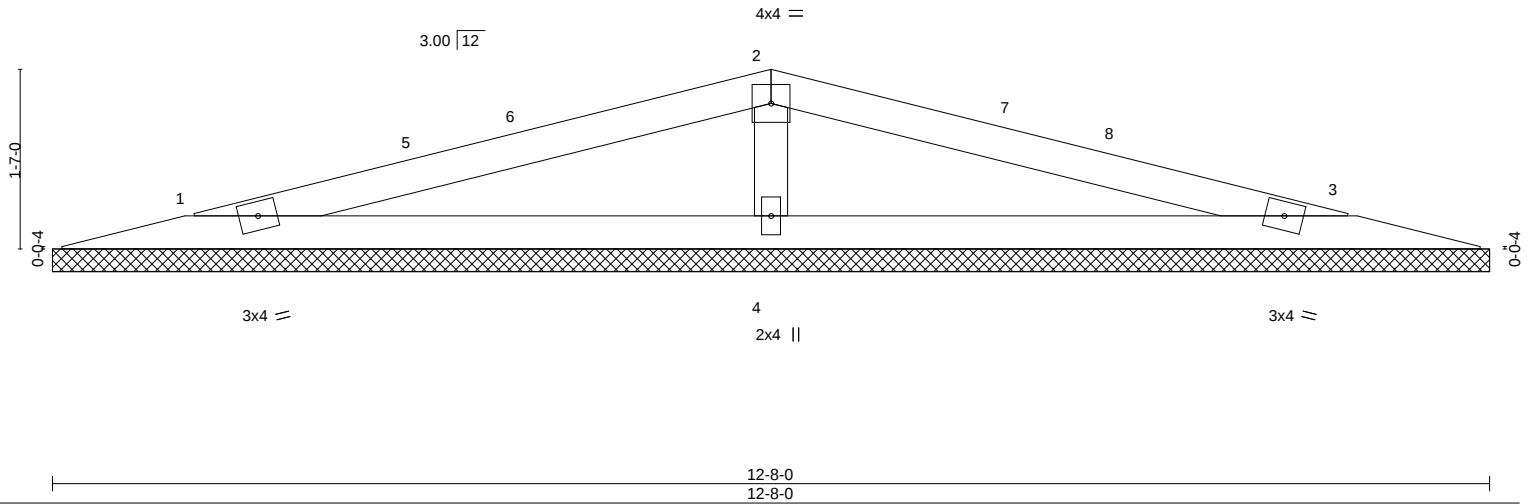
Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367397
220719A	V18	GABLE	1	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:20:08 2022 Page 1
ID:rsz0L9oK2ulXIFK9WuSKoz8JOQ-8D_t4FYxYJcVq_JYpj5MLLuz1khTqa0HQZmPKfyB26r



Scale = 1:20.3



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2'-0-0	TC 0.23	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.18	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.10	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 36 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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.

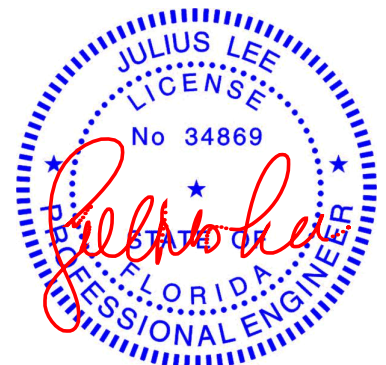
REACTIONS.

(size) 1=12-8-0, 3=12-8-0, 4=12-8-0
Max Horz 1=-17(LC 10)
Max Uplift 1=-58(LC 12), 3=-58(LC 12), 4=-131(LC 12)
Max Grav 1=164(LC 21), 3=164(LC 22), 4=437(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-292/341

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCCL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 1-3-0 to 4-3-0, Interior(1) 4-3-0 to 6-4-0, Exterior(2R) 6-4-0 to 9-4-0, Interior(1) 9-4-0 to 11-5-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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" tall by 2'-0" wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3 except (jt=lb) 4=131.



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December 9, 2022

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



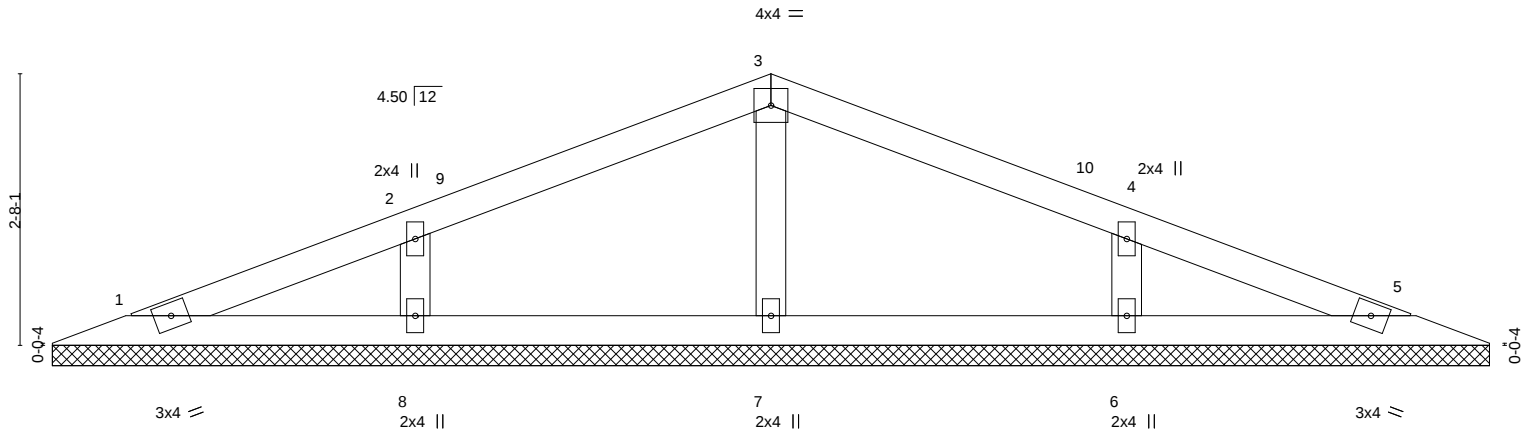
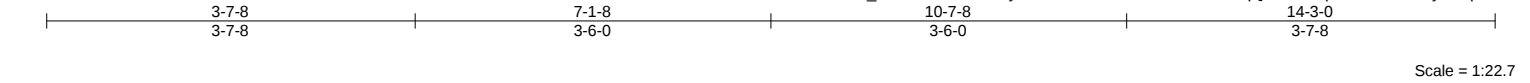
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	V19	Valley	1	1	T29367398

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:20:10 2022 Page 1
ID:VOYKhuh_uPvddTt?d0LGAKyLbKF-4c6dVxZC4wsD3ITxx87qQmZLfXPpIUwattFWOXyB26p

Job Reference (optional)



0-0-11	3-7-8	10-7-8	14-3-0
0-0-11	3-6-13	7-0-0	3-7-8

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.09	in (loc)	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.06	l/defl		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.07	L/d		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 5 n/a n/a	Weight: 47 lb	FT = 20%
	Code FBC2020/TPI2014				

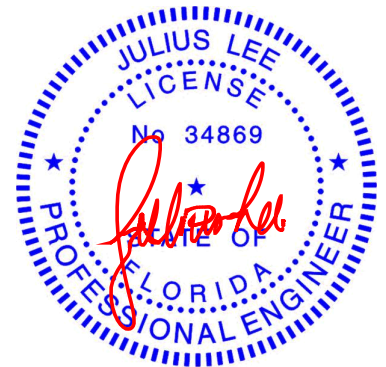
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 14-1-11.
(lb) - Max Horz 1=50(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 6=113(LC 12), 8=113(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=275(LC 22), 8=275(LC 21)

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 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-10-1 to 3-7-8, Interior(1) 3-7-8 to 7-1-8, Exterior(2R) 7-1-8 to 10-1-8, Interior(1) 10-1-8 to 13-4-15 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 6=113, 8=113.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

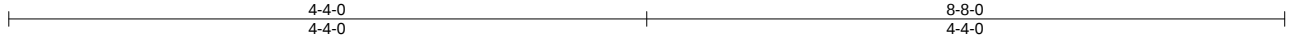


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Chesterfield, MO 63017

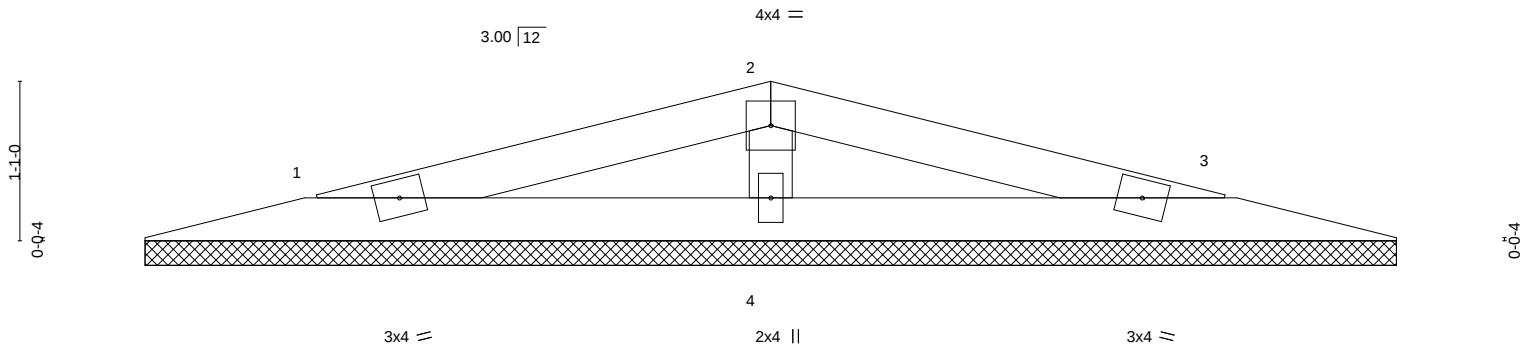
Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367399
220719A	V20	Valley	1	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:20:11 2022 Page 1
ID:rsz0L9oK2ulXIFKf9WuSKoz8JOQ-Yog?jHaqrE_4hR27Ure3z_6UBxkw1x3j6X?3xzyB26o



Scale = 1:15.7



0-1-0		4-4-0		8-8-0					
0-1-0		4-3-0		4-4-0					
LOADING (psf)		SPACING- 2-0-0		CSI.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.25		TC 0.17	Vert(LL) n/a	-	n/a	999	MT20
TCDL 7.0		Lumber DOL 1.25		BC 0.07	Vert(CT) n/a	-	n/a	999	244/190
BCLL 0.0 *		Rep Stress Incr YES		WB 0.08	Horz(CT) 0.00	3	n/a	n/a	
BCDL 10.0		Code FBC2020/TPI2014		Matrix-P					
								Weight: 23 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

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.

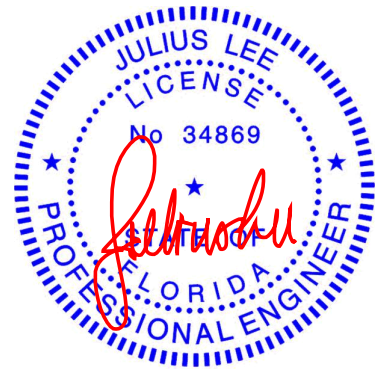
(size) 1=8-6-0, 3=8-6-0, 4=8-6-0
Max Horz 1=10(LC 11)
Max Uplift 1=-43(LC 12), 3=-43(LC 12), 4=-62(LC 12)
Max Grav 1=108(LC 1), 3=108(LC 1), 4=240(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-163/272

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.



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

December 9, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



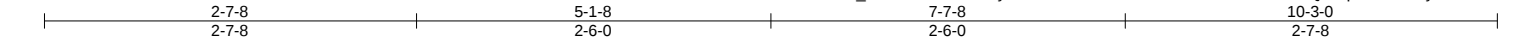
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2
220719A	V21	Valley	1	1	T29367400

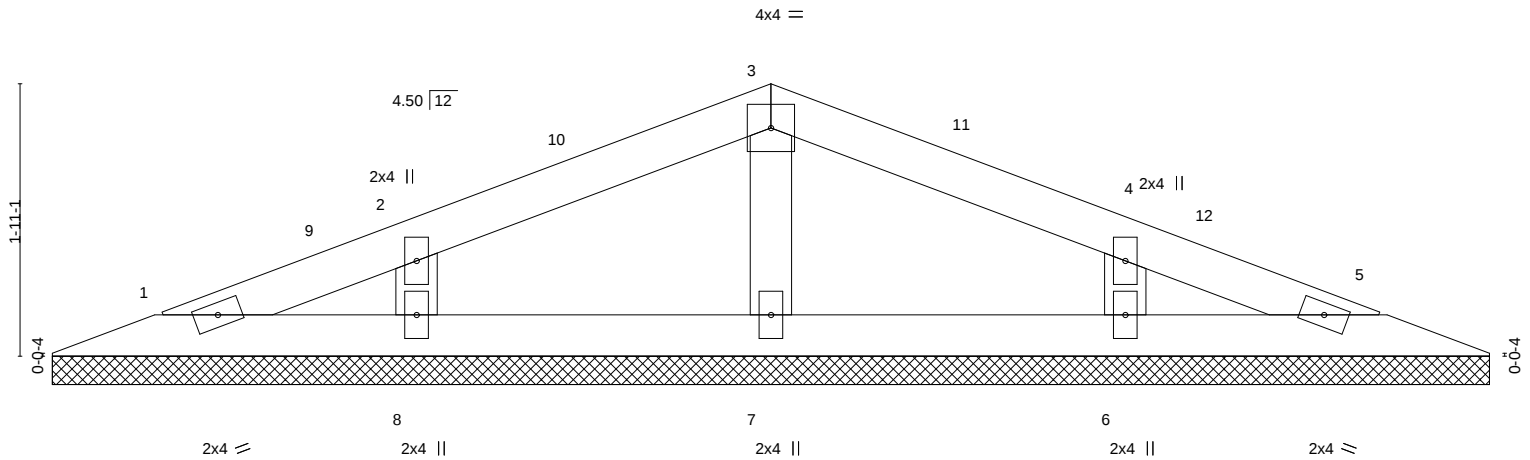
Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:20:13 2022 Page 1
ID:VOYKhuh_uPvddTt?d0LGAKyLbKF-UBom8zb4NrEnxlCWcGhX2PBsTIQzVqn0ZrUA?syB26m

Job Reference (optional)



Scale = 1:16.3



0-0-11	2-7-8	7-7-8	10-3-0
0-0-11	2-6-13	5-0-0	2-7-8

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.06	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.03	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.07	Vert(CT) n/a - n/a 999		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S	Horz(CT) 0.00 5 n/a n/a		
				Weight: 32 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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.

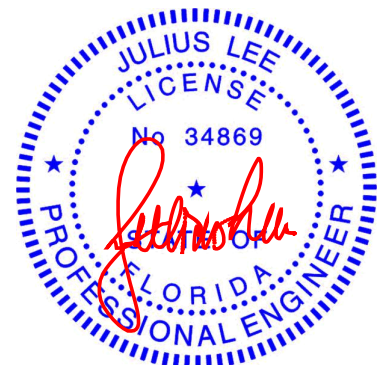
REACTIONS.

All bearings 10-1-11.
(lb) - Max Horz 1=-34(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7, 6, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7, 6, 8

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 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-10-1 to 3-10-1, Interior(1) 3-10-1 to 5-1-8, Exterior(2R) 5-1-8 to 8-1-8, Interior(1) 8-1-8 to 9-4-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7, 6, 8.



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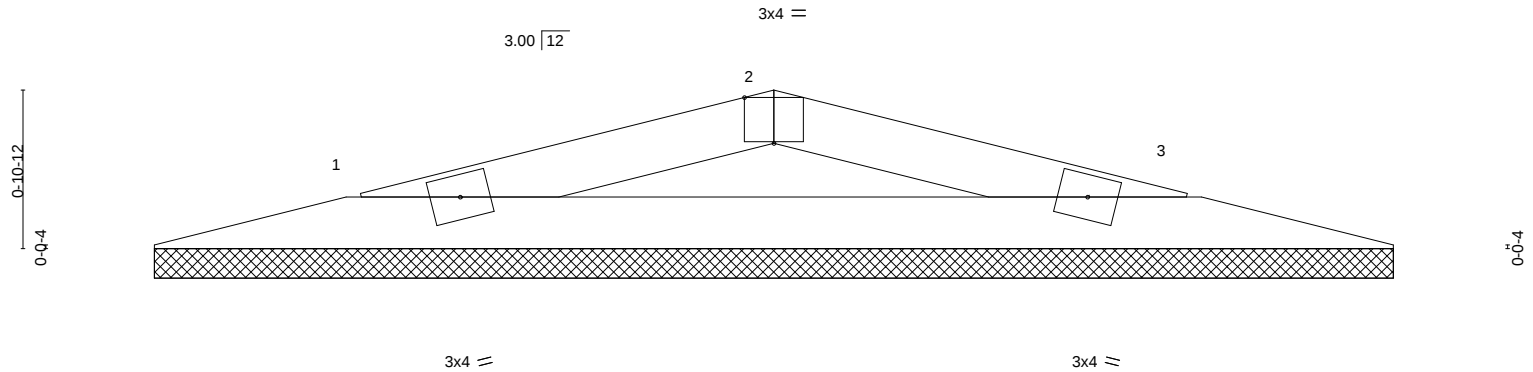
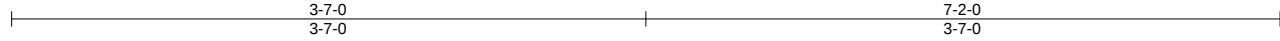


16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367401
220719A	V22	Valley	1	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:20:14 2022 Page 1
ID:rsz0L9oK2ulXIFKf9WuSKoz8JOQ-yNM8LJci89MeYvmiA_Cmbck?k9jWEI4AoVDkXlyB26l



0-1-0 0-1-0		7-2-0								
Plate Offsets (X,Y)--		7-1-0								
[2:0-2-0,Edge]										
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	n/a - n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	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 FBC2020/TPI2014		Matrix-P					Weight: 18 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1

REACTIONS.

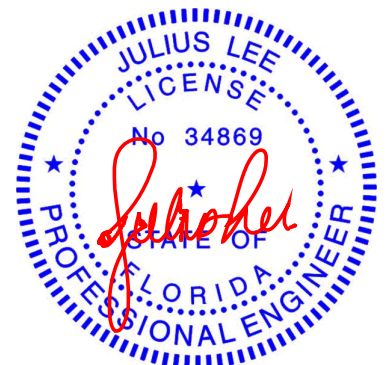
(size) 1=7-0-0, 3=7-0-0
Max Horz 1=8(LC 11)
Max Uplift 1=-57(LC 12), 3=-57(LC 12)
Max Grav 1=172(LC 1), 3=172(LC 1)

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

TOP CHORD 1-2=-265/472, 2-3=-265/481
BOT CHORD 1-3=-435/245

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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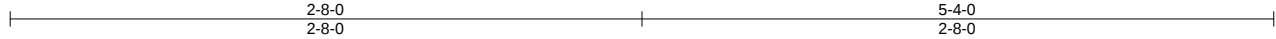


16023 Swingley Ridge Rd
Chesterfield, MO 63017

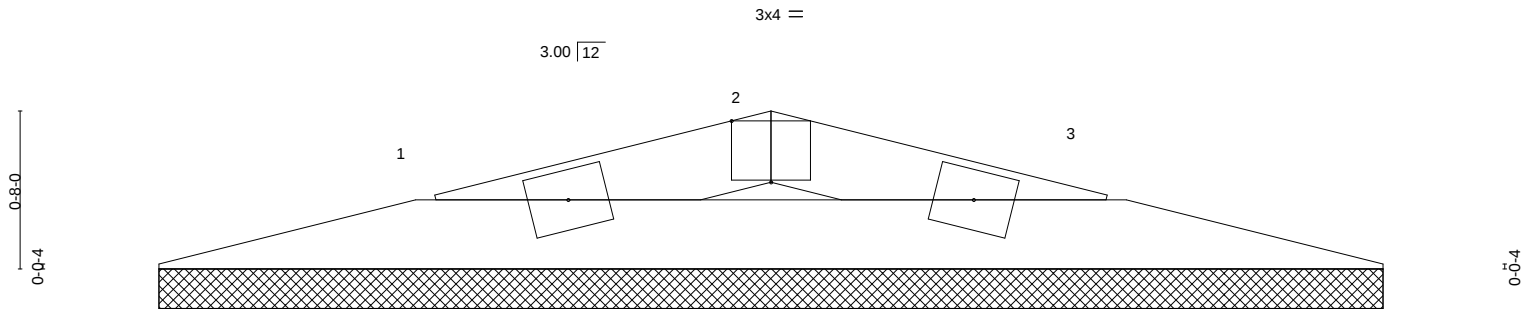
Job	Truss	Truss Type	Qty	Ply	Palms Medical Addition # 2	T29367402
220719A	V23	Valley	1	1	Job Reference (optional)	

Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:20:15 2022 Page 1
ID:rsz0L9oK2ulXIFKf9WuSKoz8JOQ-QZwWYfdLvSUA3Lvjhj?7qHBmY5qzJJ19zH4lyB26k



Scale = 1:9.7



0-1-0 0-1-0		5-4-0 5-3-0	
Plate Offsets (X,Y)-- [2:0-2-0,Edge]			
LOADING (psf)	SPACING-	CSL	DEFL.
TCLL 20.0	Plate Grip DOL 1.25	TC 0.07	in (loc) l/defl L/d
TCDL 7.0	Lumber DOL 1.25	BC 0.07	Vert(LL) n/a - n/a 999
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Vert(CT) n/a - n/a 999
BCDL 10.0	Code FBC2020/TPI2014	Matrix-P	Horz(CT) -0.00 3 n/a n/a
		PLATES GRIP	
		MT20 244/190	
		Weight: 12 lb FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1

REACTIONS.

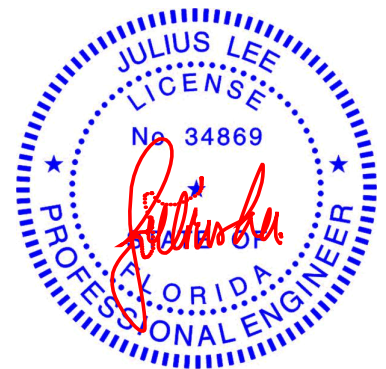
(size) 1=5-2-0, 3=5-2-0
Max Horz 1=-5(LC 10)
Max Uplift 1=-34(LC 12), 3=-34(LC 12)
Max Grav 1=105(LC 1), 3=105(LC 1)

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

TOP CHORD 1-2=-158/297, 2-3=-158/305
BOT CHORD 1-3=-277/146

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



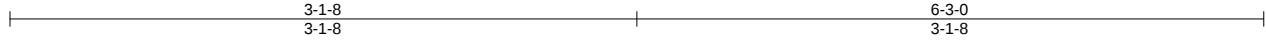
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job 220719A	Truss V24	Truss Type Valley	Qty 1	Ply 1	Palms Medical Addition # 2 Job Reference (optional)	T29367403
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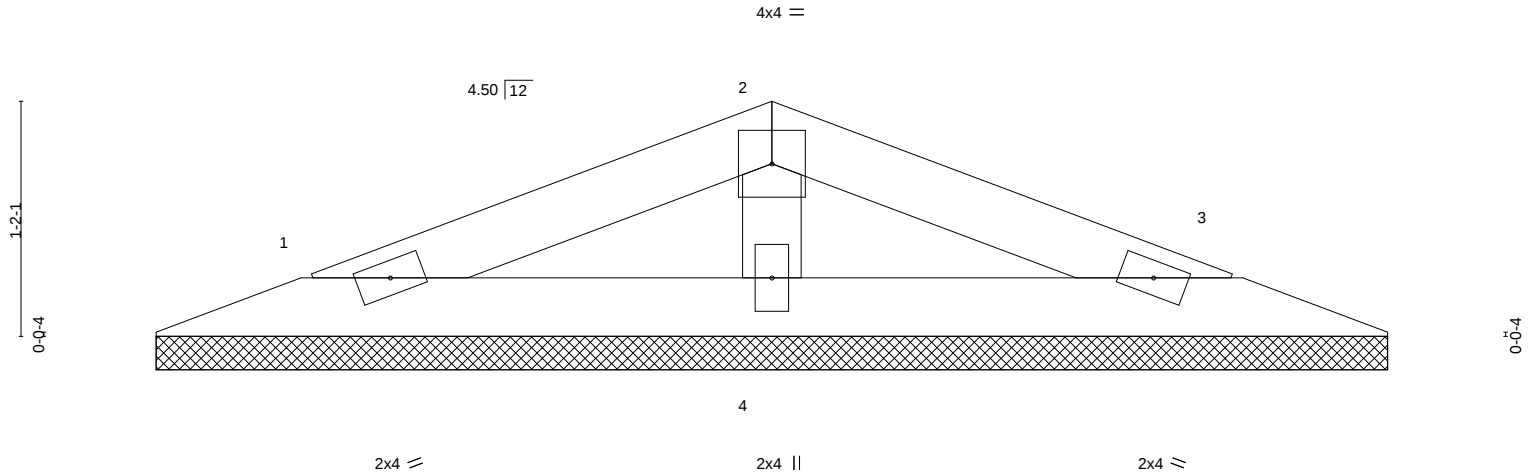
Ro-Mac Lumber & Supply Inc, Leesburg, FL - 34748,

8.630 s Nov 19 2022 MiTek Industries, Inc. Thu Dec 8 11:20:16 2022 Page 1

ID:VOYKhuh_uPvddTt?d0LGAKyLbKF-viTum_ezgmcMoDw5HOEEg1pM5ySaiChSFpiqcByB26j



Scale = 1:11.5



0-0-11		3-1-8		6-3-0						
0-0-11		3-0-13		3-1-8						
LOADING	(psf)	SPACING-	2-0-0	CSI.		in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	n/a	-	n/a	999
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	n/a	-	n/a	999
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	3	n/a	n/a
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P						
								Weight: 17 lb	FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

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=6-1-11, 3=6-1-11, 4=6-1-11
Max Horz 1=-19(LC 10)
Max Uplift 1=-35(LC 12), 3=-35(LC 12), 4=-41(LC 12)
Max Grav 1=82(LC 1), 3=82(LC 1), 4=174(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 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.



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

December 9, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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

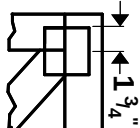
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



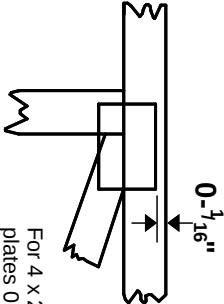
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless X, Y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



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

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

*** Plate location details available in MiTek 2012 software or upon request.**

PLATE SIZE

4 X 4

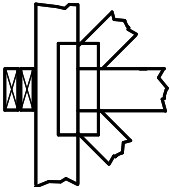
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



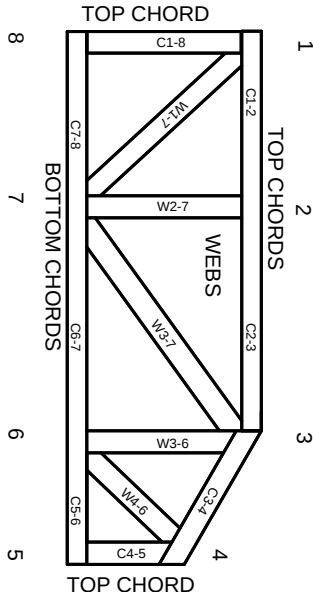
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1.1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

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



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

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

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

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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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