



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

RE: 240606-04KM - Mitchell Brown

MiTek, Inc.

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: Mitchell Brown Project Name: 352-318-0895 Model: .
Lot/Block: . Subdivision: .
Address: 1256 S.W. Scrubtown Rd., .
City: Fort White State: FL.

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 34.0 psf Floor Load: N/A psf

This package includes 24 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	T34153570	H01	6/12/24	23	T34153592	M02	6/12/24
2	T34153571	H02	6/12/24	24	T34153593	T08	6/12/24
3	T34153572	H03	6/12/24				
4	T34153573	H04	6/12/24				
5	T34153574	H05	6/12/24				
6	T34153575	H06	6/12/24				
7	T34153576	CJ01	6/12/24				
8	T34153577	J01	6/12/24				
9	T34153578	J03	6/12/24				
10	T34153579	J04	6/12/24				
11	T34153580	J05	6/12/24				
12	T34153581	J06	6/12/24				
13	T34153582	G01	6/12/24				
14	T34153583	T01	6/12/24				
15	T34153584	T02	6/12/24				
16	T34153585	T03	6/12/24				
17	T34153586	T04	6/12/24				
18	T34153587	GE01	6/12/24				
19	T34153588	T05	6/12/24				
20	T34153589	T06	6/12/24				
21	T34153590	T07	6/12/24				
22	T34153591	J08	6/12/24				

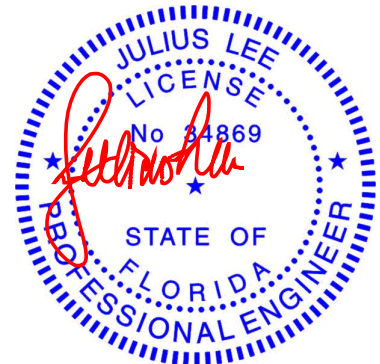


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Coastal Truss & Vinyl Siding.

Truss Design Engineer's Name: Lee, Julius

My license renewal date for the state of Florida is February 28, 2025.

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.



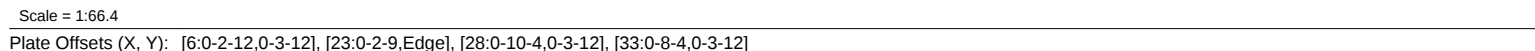
Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 13, 2024

Lee, Julius

1 of 1

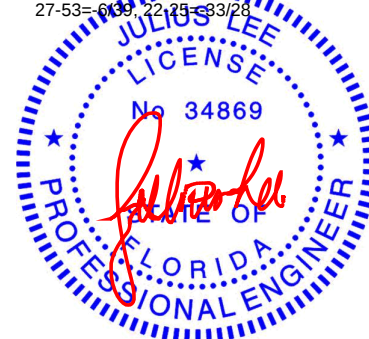
Coastal Truss & Vinyl Siding, Patterson, GA - 31577, Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:27 Page: 1
ID:omCzf7REbCNw7xCdTSE?pz8zJm-RfC?PsB70Hg3NSqPanL8w3uITXbGKwRCDoi7J4zJC?f



LUMBER		TOP CHORD	1-2=0/28, 2-3=-163/583, 3-4=-146/588, 4-5=-406/1472, 5-6=-391/1500, 6-7=-883/3065, 7-8=-883/3060, 8-9=-883/3060, 9-10=-883/3060, 10-11=-883/3060, 11-12=-883/3060, 12-13=-220/129, 13-14=-2777/935, 14-16=-2777/935, 16-17=-2777/935, 17-18=-2777/935, 18-19=-3280/1082, 19-20=-2220/767, 20-21=-2515/827, 21-22=-2508/806, 22-23=-2545/793, 23-24=0/28	WEBS	4-41=-201/662, 4-43=-932/309, 38-43=-953/316, 6-38=-6/54, 6-44=-1941/622, 44-45=-1899/605, 36-45=-1966/632, 9-36=-64/50, 36-46=-3774/1179, 46-47=-3515/1100, 47-48=-3538/1106, 12-48=-3863/1216, 12-33=-509/1770, 13-33=-1982/614, 13-32=-202/821, 13-49=-660/2129, 31-49=-665/2147, 16-31=-382/177, 31-50=-599/183, 50-51=-553/163, 18-51=-547/166, 18-29=-52/78, 29-52=-633/2099, 19-52=-566/1882, 19-28=-839/269, 20-53=-76/281, 26-53=-95/253, 21-26=-116/124, 5-43=-43/82, 40-43=-31/98, 3-42=-54/75, 7-44=0/135, 37-44=-76/117, 8-45=-142/55, 10-46=-521/158, 11-47=0/173, 35-47=0/126, 34-48=-643/217, 14-49=-10/41, 17-50=-93/41, 30-51=0/26, 28-52=-294/91, 27-53=-639/2225=-63/222
TOP CHORD	2x4 SP No.2 *Except* 6-15,15-19:2x6 SP No.2				
BOT CHORD	2x6 SP No.2				
WEBS	2x4 SP No.2				
OTHERS	2x4 SP No.2				
BRACING					
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-19.				
BOT CHORD	Structural wood sheathing directly applied or 6-0-0 oc bracing.		BOT CHORD		
JOINTS	1 Brace at Jt(s): 44, 47, 48, 51				
REACTIONS	(size)	2=13-2-8, 23=0-3-8, 36=13-2-8, 37=13-2-8, 38=13-2-8, 40=13-2-8, 41=13-2-8, 42=13-2-8			
	Max Horiz	2=80 (LC 7)			
	Max Uplift	2=-197 (LC 25), 23=-420 (LC 8), 36=-1048 (LC 8), 37=-35 (LC 3), 38=-271 (LC 8), 40=-91 (LC 25), 41=-643 (LC 20), 42=-66 (LC 25)			
	Max Grav	2=57 (LC 17), 23=1192 (LC 20), 36=3488 (LC 1), 37=18 (LC 5), 38=1007 (LC 1), 40=55 (LC 17), 41=190 (LC 8), 42=112 (LC 13)			
FORCES	(lb) - Maximum Compression/Maximum Tension				

NOTES

NOTES



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

June 13.2024

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

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

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

Job	Truss	Truss Type	Qty	Ply	Mitchell Brown
240606-04KM	H01	Hip Girder	1	2	T34153570
			Job Reference (optional)		

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:27

Page: 2

ID:omCzf7REbICNw7xCdTSE?pz8zJm-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWwCDoi7J4zJC?f

- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft; B=50ft; L=35ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 5) 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.
- 6) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 2x4 MT20 unless otherwise indicated.
- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 12) All bearings are assumed to be SP No.2 .
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 197 lb uplift at joint 2, 420 lb uplift at joint 23, 643 lb uplift at joint 41, 271 lb uplift at joint 38, 1048 lb uplift at joint 36, 91 lb uplift at joint 40, 66 lb uplift at joint 42 and 35 lb uplift at joint 37.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 15) Use Simpson Strong-Tie LTHJA26 (LTHJA26 on 2 ply, Right Hand Hip) or equivalent at 7-0-6 from the left end to connect truss(es) to back face of bottom chord.
- 16) Use Simpson Strong-Tie LTHJA26 (LTHJA26 on 2 ply, Left Hand Hip) or equivalent at 27-7-10 from the left end to connect truss(es) to back face of bottom chord.
- 17) Fill all nail holes where hanger is in contact with lumber.
- 18) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25,
Plate Increase=1.25
Uniform Loads (lb/ft)
Vest: 1-6=-54, 6-19=-54, 19-24=-54, 2-33=-14,
32-33=-14, 29-32=-14, 28-29=-14, 23-28=-14
Concentrated Loads (lb)
Vest: 6=-107 (B), 15=-86 (B), 33=-54 (B), 38=-447 (B), 12=-107 (B), 18=-86 (B), 19=-107 (B), 7=-107 (B), 37=-54 (B), 8=-107 (B), 10=-34 (B), 11=-107 (B), 35=-54 (B), 34=-54 (B), 60=-107 (B), 62=-86 (B), 63=-86 (B), 65=-54 (B), 66=-75 (B), 67=-75 (B), 68=-75 (B), 69=-75 (B), 70=-447 (B)

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

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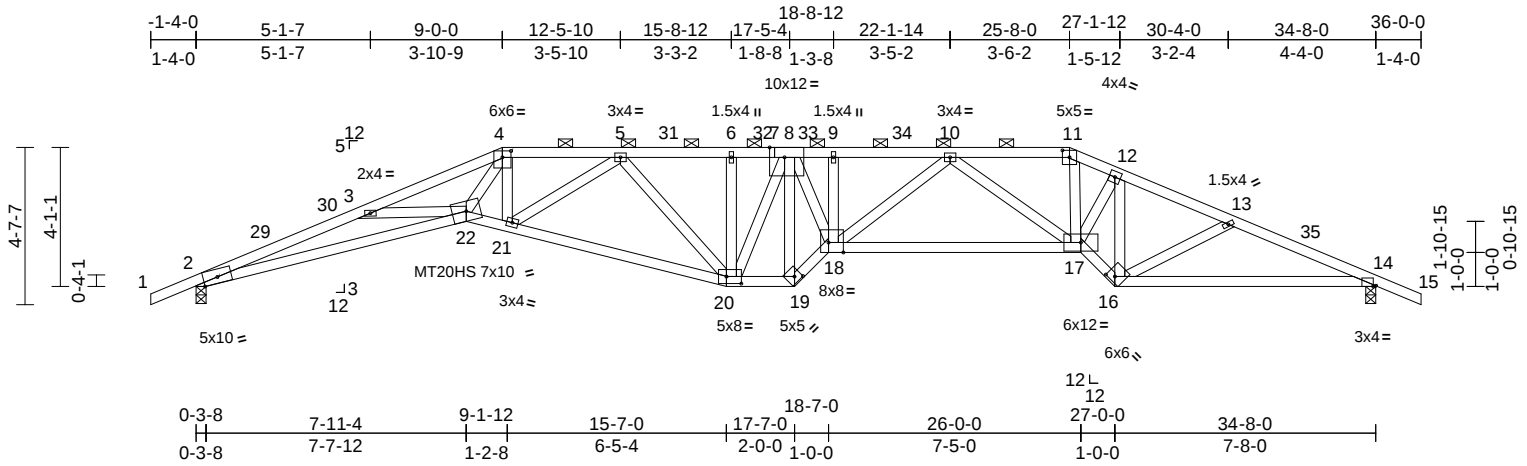
Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153571
240606-04KM	H02	Hip	1	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:27

Page: 1

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Scale = 1:67.7

Plate Offsets (X, Y): [4:0-3-0,0-2-4], [7:0-5-4,Edge], [11:0-2-8,0-2-7], [14:0-0-14,Edge], [16:0-2-12,0-1-12], [18:0-5-4,Edge], [19:0-2-4,0-2-0], [20:0-5-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.80	Vert(LL)	-0.58	20-21	>720	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-1.01	20-21	>413	180	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.49	14	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 189 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except* 1-4:2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except* 2-22:2x4 SP No.1
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-1-15 oc purlins, except 2-0-0 oc purlins (2-10-12 max.): 4-11.
BOT CHORD Structural wood sheathing directly applied or 2-2-0 oc bracing.

REACTIONS

(size) 2=0-3-8, 14=0-3-8
Max Horiz 2=-100 (LC 10)
Max Uplift 2=-411 (LC 12), 14=-411 (LC 12)
Max Grav 2=1251 (LC 1), 14=1251 (LC 1)

FORCES

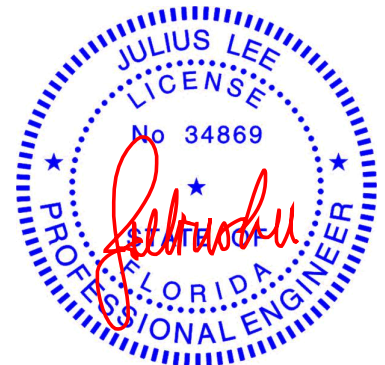
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-5579/1971, 3-4=-5316/1749, 4-5=-3651/1269, 5-6=-2658/999, 6-8=-2664/1002, 8-9=-3608/1284, 9-10=-3613/1287, 10-11=-2748/1005, 11-12=-3139/1133, 12-13=-2403/877, 13-14=-2630/967, 14-15=0/28
BOT CHORD 2-22=-1785/5246, 21-22=-1125/3766, 20-21=-1017/3209, 19-20=-837/2696, 18-19=-1104/3633, 17-18=-1053/3340, 16-17=-930/2954, 14-16=-828/2404, 3-22=-237/260, 4-22=-761/2460, 4-21=-355/138, 6-20=-150/83, 8-20=-121/43, 8-19=-2480/740, 8-18=-786/2658, 9-18=-91/66, 11-17=-381/1096, 12-17=-461/1676, 12-16=-1909/610, 10-18=-73/422, 10-17=-810/308, 5-21=-151/658, 5-20=-697/251, 13-16=-251/154

NOTES

- Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft; B=50ft; L=35ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-1-10, Zone1 2-1-10 to 9-0-0, Zone2 9-0-0 to 13-10-13, Zone1 13-10-13 to 25-8-0, Zone2 25-8-0 to 30-6-1, Zone1 30-6-1 to 36-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: Joint 2 SP No.1 , Joint 14 SP No.2 .
- Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 14 and 411 lb uplift at joint 2.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



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Date:

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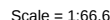
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Coastal Truss & Vinyl Siding, Patterson, GA - 31577, Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:27 Page: 1
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[illegible]

LOAD CASE(S) Standard



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

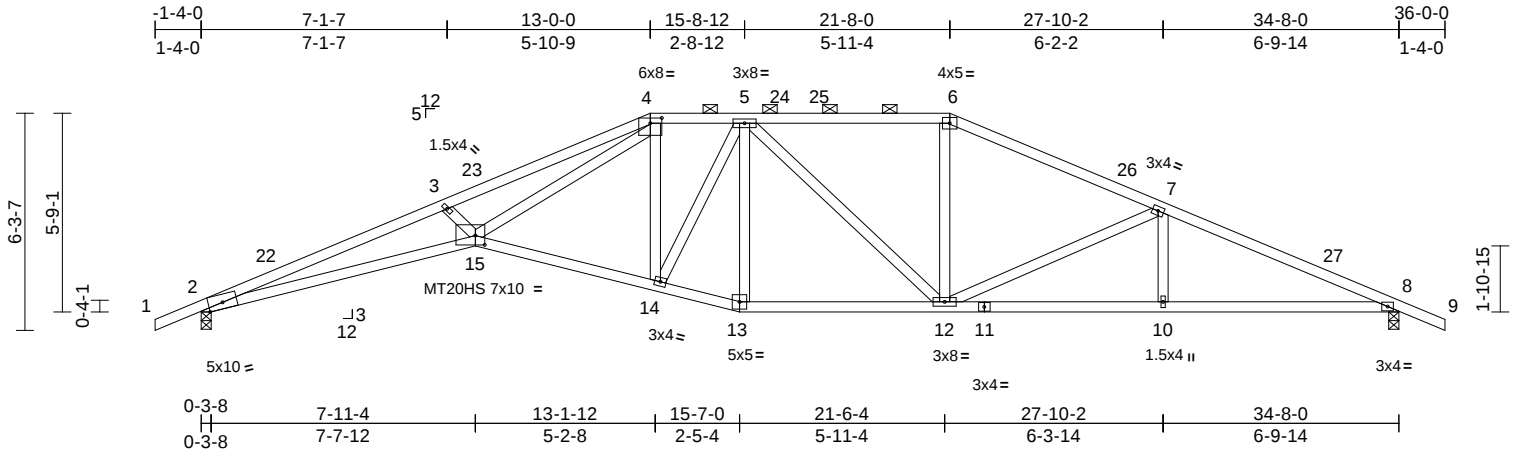
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Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153573
240606-04KM	H04	Hip	1	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:28
ID:1EKyzOLDUIBWYuKg9olMg7z8zJu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?r

Page: 1



Scale = 1:66.7

Plate Offsets (X, Y): [4:0-4-0,0-1-13], [15:0-3-4,0-3-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	-0.53	14-15	>778	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.91	14-15	>458	180	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.41	8	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 177 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except* 1-4:2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except* 2-15:2x4 SP No.1
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (3-9-5 max.): 4-6.
BOT CHORD Structural wood sheathing directly applied or 4-9-4 oc bracing.

REACTIONS (size) 2=0-3-8, 8=0-3-8
Max Horiz 2=-138 (LC 10)
Max Uplift 2=-411 (LC 12), 8=-411 (LC 12)
Max Grav 2=1251 (LC 1), 8=1251 (LC 1)

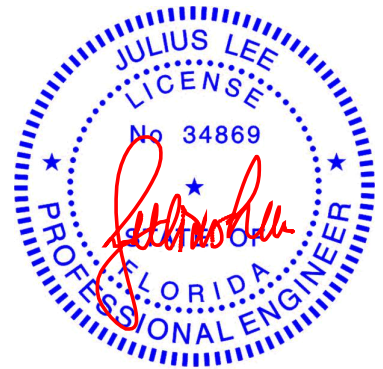
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-5583/1945, 3-4=-5358/1888, 4-5=-2001/821, 5-6=-1774/752, 6-7=-1981/764, 7-8=-2562/920, 8-9=0/28
BOT CHORD 2-15=-1749/5251, 14-15=-593/2071, 13-14=-565/1925, 12-13=-549/1870, 10-12=-768/2313, 8-10=-768/2313
WEBS 3-15=-294/230, 4-15=-1178/3532, 4-14=-244/89, 5-14=-68/337, 5-13=-434/171, 5-12=-284/74, 6-12=-100/446, 7-12=-610/285, 7-10=0/227

NOTES

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft;
B=50ft; L=35ft; eave=4ft; Cat. II; Exp C; Enclosed;
MWFRS (directional) and C-C Zone3 -1-4-0 to 2-1-10, Zone1 2-1-10 to 13-0-0, Zone2 13-0-0 to 17-10-13, Zone1 17-10-13 to 21-8-0, Zone2 21-8-0 to 26-6-13, Zone1 26-6-13 to 36-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Bearings are assumed to be: Joint 2 SP No.1 , Joint 8 SP No.2 .
- 9) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 8 and 411 lb uplift at joint 2.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



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

June 13,2024

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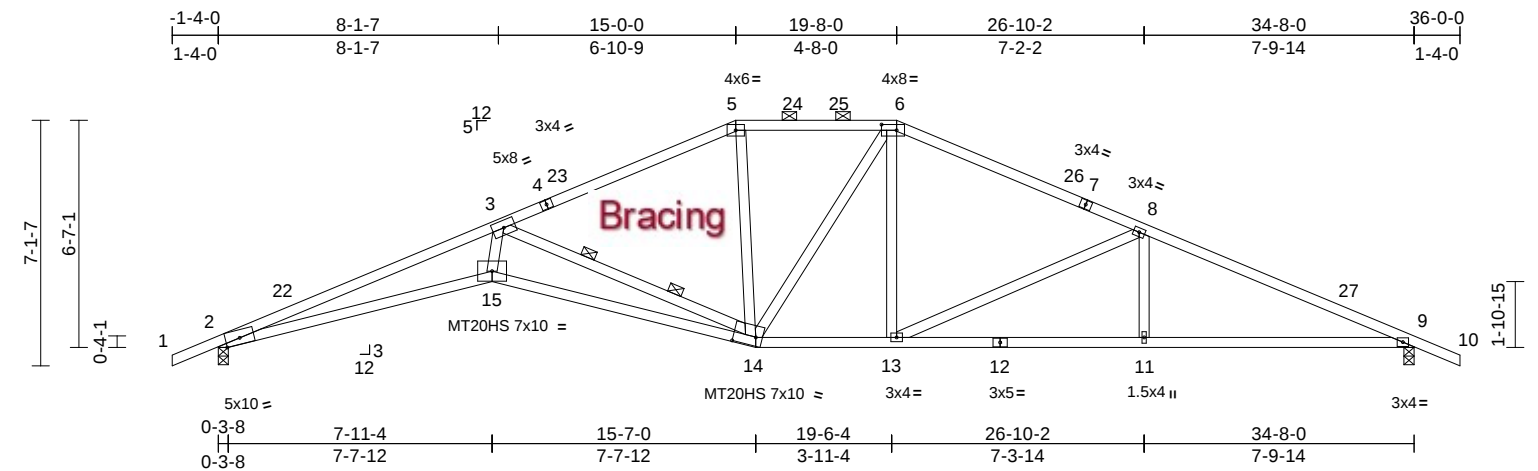
Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153574
240606-04KM	H05	Hip	1	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:28

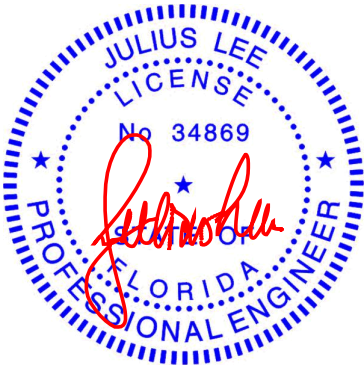
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Scale = 1:66.8									
Plate Offsets (X, Y): [6:0-5-4,0-2-0], [14:0-7-12,0-3-0]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in (loc)	l/defl	L/d
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.57 14-15	>726	240
TCDL	7.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-1.01 14-15	>410	180
BCLL	0.0*	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.46 9	n/a	n/a
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MS					
Weight: 170 lb FT = 20%									

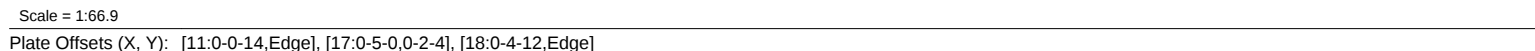
LUMBER			2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft; B=50ft; L=35ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-1-10, Zone1 2-1-10 to 15-0-0, Zone3 15-0-0 to 19-8-0, Zone2 19-8-0 to 24-6-13, Zone1 24-6-13 to 36-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
TOP CHORD	2x4 SP No.2 *Except* 1-4:2x4 SP SS		
BOT CHORD	2x4 SP No.1 *Except* 12-9,12-14:2x4 SP No.2		
WEBS	2x4 SP No.2		
BRACING			3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-5-13 max.): 5-6.		4) Provide adequate drainage to prevent water ponding.
BOT CHORD	Structural wood sheathing directly applied or 4-10-0 oc bracing.		5) All plates are MT20 plates unless otherwise indicated.
WEBS	2 Rows at 1/3 pts 3-14		6) The Fabrication Tolerance at joint 15 = 8%
REACTIONS (size) 2=0-3-8, 9=0-3-8 Max Horiz 2=157 (LC 11) Max Uplift 2=-411 (LC 12), 9=-411 (LC 12) Max Grav 2=1251 (LC 1), 9=1251 (LC 1)			7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
FORCES (lb) - Maximum Compression/Maximum Tension			8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
TOP CHORD	1-2=0/28, 2-3=-5554/1894, 3-5=-1786/717, 5-6=-1614/718, 6-8=-1816/721, 8-9=-2520/903, 9-10=0/28		9) Bearings are assumed to be: Joint 2 SP No.1 , Joint 9 SP No.2 .
BOT CHORD	2-15=-1695/5220, 14-15=-1591/4862, 13-14=-445/1605, 11-13=-744/2268, 9-11=-744/2268		10) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
WEBS	3-15=-736/2546, 3-14=-3442/1220, 5-14=-92/372, 6-14=-154/180, 6-13=-84/394, 8-13=-738/330, 8-11=0/280		11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 9 and 411 lb uplift at joint 2.
NOTES			12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
1) Unbalanced roof live loads have been considered for this design.			
LOAD CASE(S) Standard			



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

June 13,2024

Coastal Truss & Vinyl Siding, Patterson, GA - 31577, Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:28 Page: 1
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LUMBER		2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft; B=50ft; L=35ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-1-10, Zone1 2-1-10 to 17-0-0, Zone3 17-0-0 to 17-8-0, Zone2 17-8-0 to 22-6-13, Zone1 22-6-13 to 36-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
TOP CHORD	2x4 SP No.2 *Except* 1-4:2x4 SP SS	
BOT CHORD	2x4 SP No.1 *Except* 17-14,14-11:2x4 SP No.2	
WEBS	2x4 SP No.2	
BRACING		
TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-9-14 max.): 6-7.	3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
BOT CHORD	Structural wood sheathing directly applied or 4-11-14 oc bracing.	4) Provide adequate drainage to prevent water ponding.
WEBS	1 Row at midpt 3-17	5) All plates are MT20 plates unless otherwise indicated.
REACTIONS	(size) 2=0-3-8, 11=0-3-8 Max Horiz 2=177 (LC 11) Max Uplift 2=411 (LC 12), 11=411 (LC 12) Max Grav 2=1251 (LC 1), 11=1251 (LC 1)	6) All plates are 3x4 MT20 unless otherwise indicated.
FORCES	(lb) - Maximum Compression/Maximum Tension	7) The Fabrication Tolerance at joint 18 = 16%
TOP CHORD	1-2=0/28, 2-3=-5546/1771, 3-5=-1782/681, 5-6=-1644/734, 6-7=-1441/636, 7-8=-1616/651, 8-10=-2313/815, 10-11=-2554/885, 11-12=0/28	8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
BOT CHORD	2-18=-1576/5212, 17-18=-1379/4480, 16-17=-389/1567, 15-16=-331/1441, 13-15=-555/1888, 11-13=-740/2325	9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
WEBS	3-18=-681/2533, 3-17=-3077/1046, 5-17=-87/388, 5-16=-772/400, 6-16=-436/744, 7-15=-101/470, 8-15=-609/298, 8-13=-72/440, 10-13=-326/202	10) Bearings are assumed to be: Joint 2 SP No.1 , Joint 11 SP No.2 .
NOTES		11) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
1) Unbalanced roof live loads have been considered for this design.		12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 11 and 411 lb uplift at joint 2.
		13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

June 13.2024

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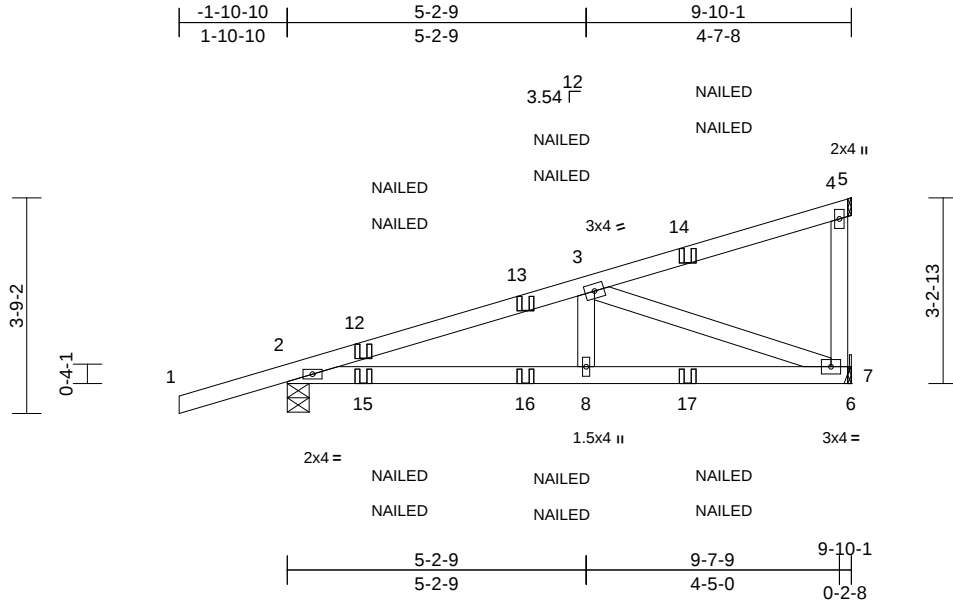
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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153576
240606-04KM	CJ01	Diagonal Hip Girder	2	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:25
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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.04	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.05	8-11	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.01	7	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 45 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS

(size)	2=0-4-9, 7= Mechanical
Max Horiz	2=139 (LC 7)
Max Uplift	2=-143 (LC 8), 7=-104 (LC 8)
Max Grav	2=454 (LC 13), 7=413 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/29, 2-3=-822/137, 3-4=-128/62, 4-5=-1/0, 4-7=-128/74
BOT CHORD	2-8=-177/723, 7-8=-177/723, 6-7=0/0
WEBS	3-8=0/203, 3-7=-715/149

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft; B=50ft; L=30ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Bearings are assumed to be: Joint 2 SP No.2 .
- 6) Refer to girder(s) for truss to truss connections.

- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 2 and 104 lb uplift at joint 7.
 - 8) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- LOAD CASE(S)** Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-4=-54, 4-5=-14, 6-9=-14
Concentrated Loads (lb)
Vert: 14=-69 (F=-34, B=-34), 15=39 (F=19, B=19), 16=-12 (F=-6, B=-6), 17=-55 (F=-28, B=-28)



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
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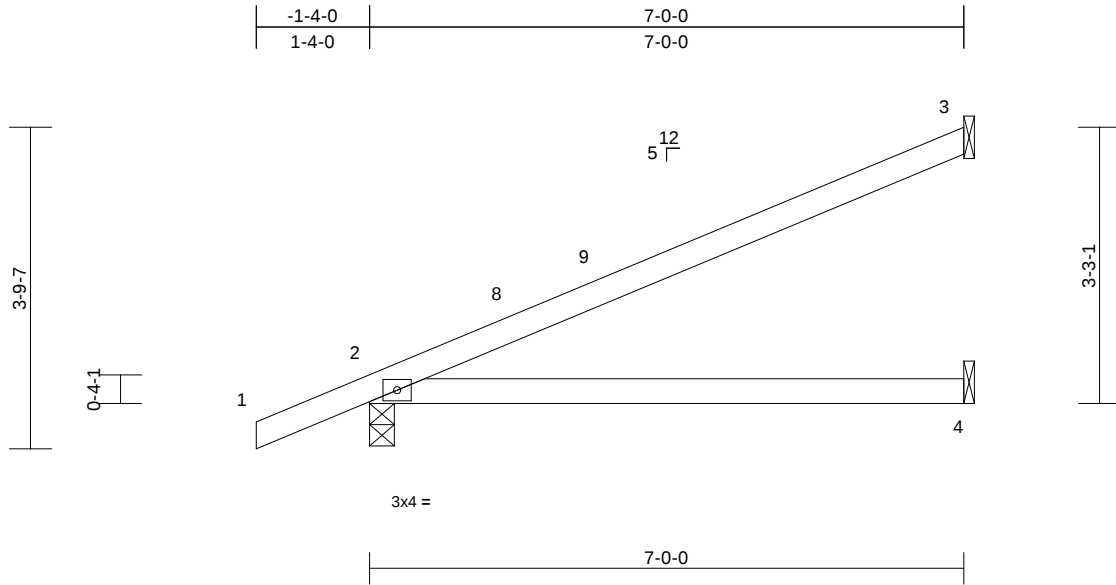
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153577
240606-04KM	J01	Jack-Open	8	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

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Page: 1



Loading	(psf)	Spacing	2'-0'-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	0.14	4-7	>585	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.19	4-7	>439	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 24 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (size) 2=0-3-8, 3= Mechanical, 4=
Mechanical
Max Horiz 2=138 (LC 12)
Max Uplift 2=-118 (LC 12), 3=-93 (LC 12)
Max Grav 2=315 (LC 1), 3=161 (LC 1), 4=107
(LC 3)

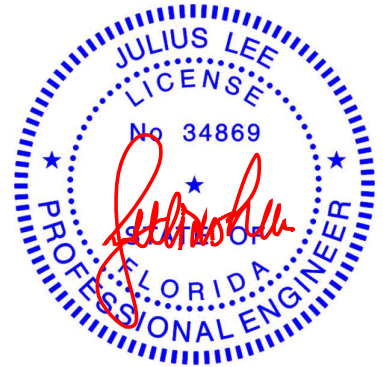
FORCES (lb) - Maximum Compression/Maximum
Tension

TOP CHORD 1-2=0/28, 2-3=-126/56
BOT CHORD 2-4=-73/116

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft;
B=50ft; L=30ft; eave=4ft; Cat. II; Exp C; Enclosed;
MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0,
Zone1 1-8-0 to 6-11-4 zone; cantilever left and right
exposed ; end vertical left and right exposed; C-C for
members and forces & MWFRS for reactions shown;
Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom
chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3'-06'-00 tall by 2'-00'-00 wide will fit between the bottom
chord and any other members.
- 5) Bearings are assumed to be: , Joint 2 SP No.2 .
- 6) Refer to girder(s) for truss to truss connections.

- 7) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 93 lb uplift at joint
3 and 118 lb uplift at joint 2.
- LOAD CASE(S)** Standard



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

June 13, 2024

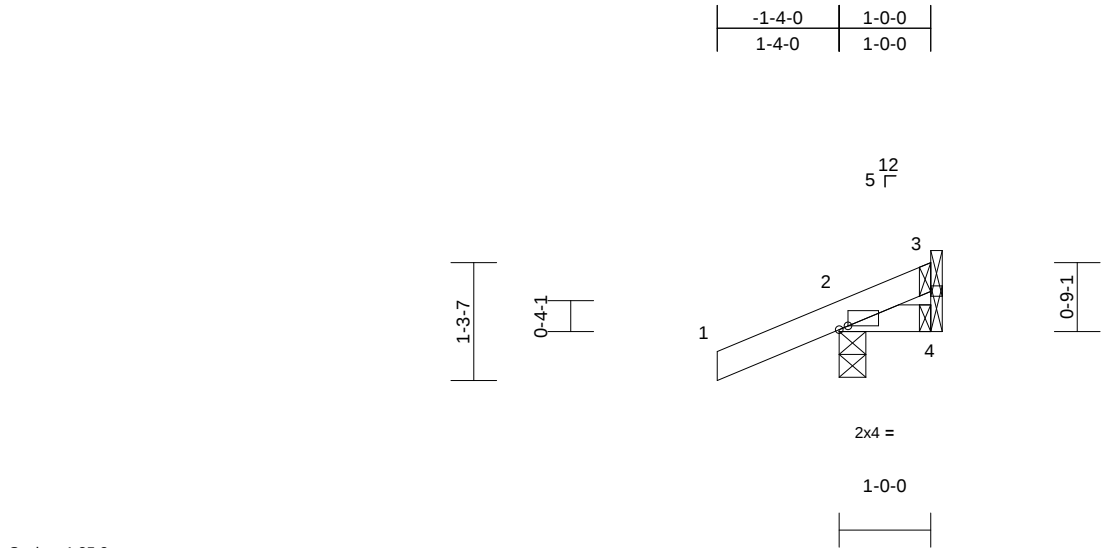
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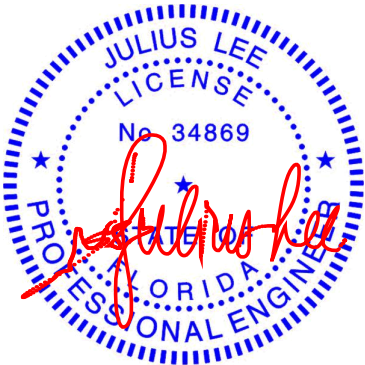
Job	Truss	Truss Type	Qty	Ply	Mitchell Brown
240606-04KM	J03	Jack-Open	6	1	Job Reference (optional)
					T34153578



Scale = 1:25.2											
Plate Offsets (X, Y): [2:0-1-2,Edge]											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.00	7	>999	240	GRIP
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	7	>999	180	MT20
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a	244/190
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 5 lb
											FT = 20%

- LUMBER**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.
REACTIONS (size) 2=0-3-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=46 (LC 12)
Max Uplift 2=-121 (LC 12), 3=-1 (LC 1), 4=-14 (LC 1)
Max Grav 2=154 (LC 1), 3=11 (LC 12), 4=26 (LC 12)
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-77/31
BOT CHORD 2-4=-32/81
- 6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 2, 14 lb uplift at joint 4 and 1 lb uplift at joint 3.
LOAD CASE(S) Standard

- NOTES**
1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft;
B=50ft; L=30ft; eave=4ft; Cat. II; Exp C; Enclosed;
MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Bearings are assumed to be: , Joint 2 SP No.2 .



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

June 13,2024

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

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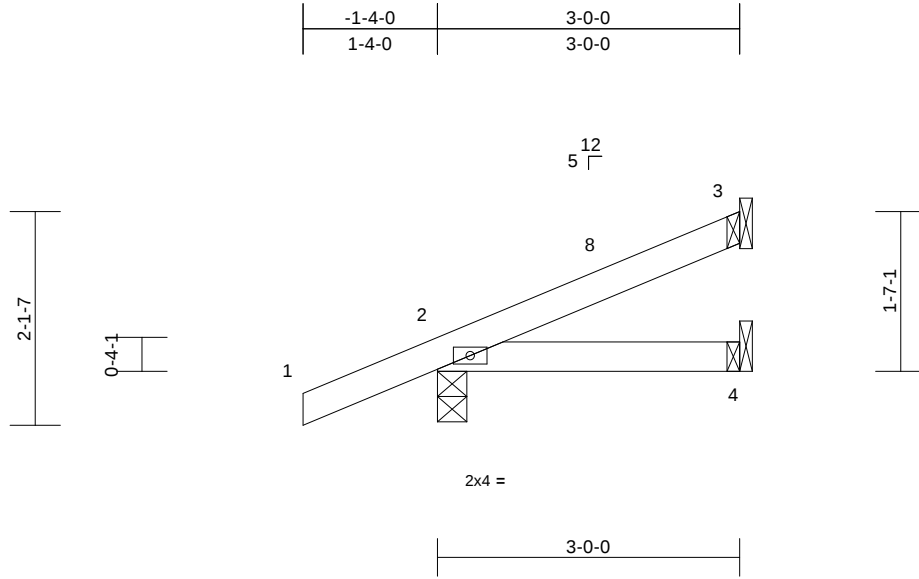
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153579
240606-04KM	J04	Jack-Open	6	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:28
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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.00	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 12 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (size) 2=0-3-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=76 (LC 12)
Max Uplift 2=-101 (LC 12), 3=-30 (LC 12)
Max Grav 2=188 (LC 1), 3=59 (LC 1), 4=42 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/28, 2-3=-108/25
BOT CHORD 2-4=-15/72

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft;
B=50ft; L=30ft; eave=4ft; Cat. II; Exp C; Enclosed;
MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0,
Zone1 1-8-0 to 2-11-4 zone; cantilever left and right
exposed ; end vertical left and right exposed;C-C for
members and forces & MWFRS for reactions shown;
Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom
chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.
- 5) Bearings are assumed to be: , Joint 2 SP No.2 .
- 6) Refer to girder(s) for truss to truss connections.

- 7) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 30 lb uplift at joint
3 and 101 lb uplift at joint 2.
- LOAD CASE(S)** Standard



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

June 13,2024

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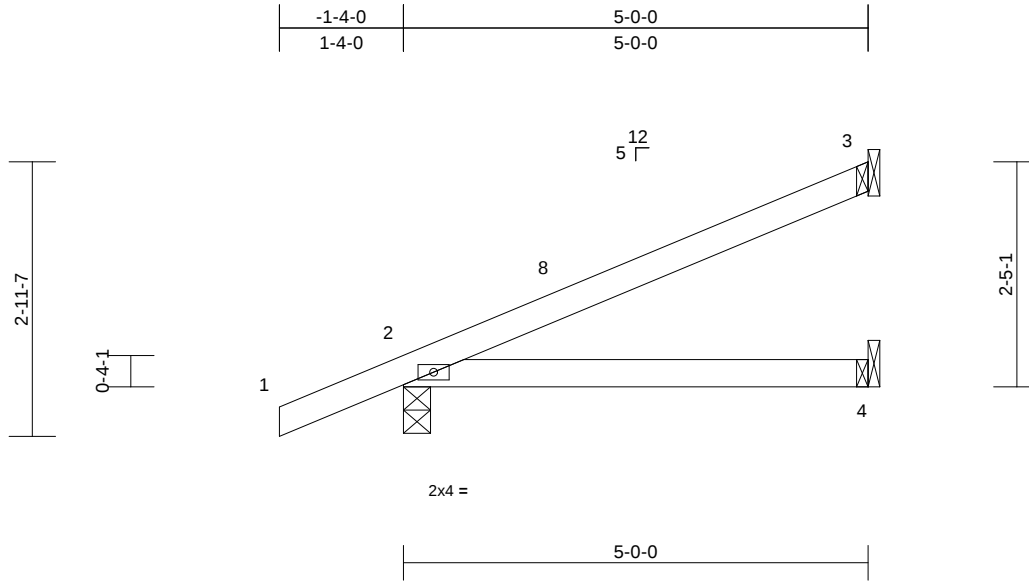
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153580
240606-04KM	J05	Jack-Open	4	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:28
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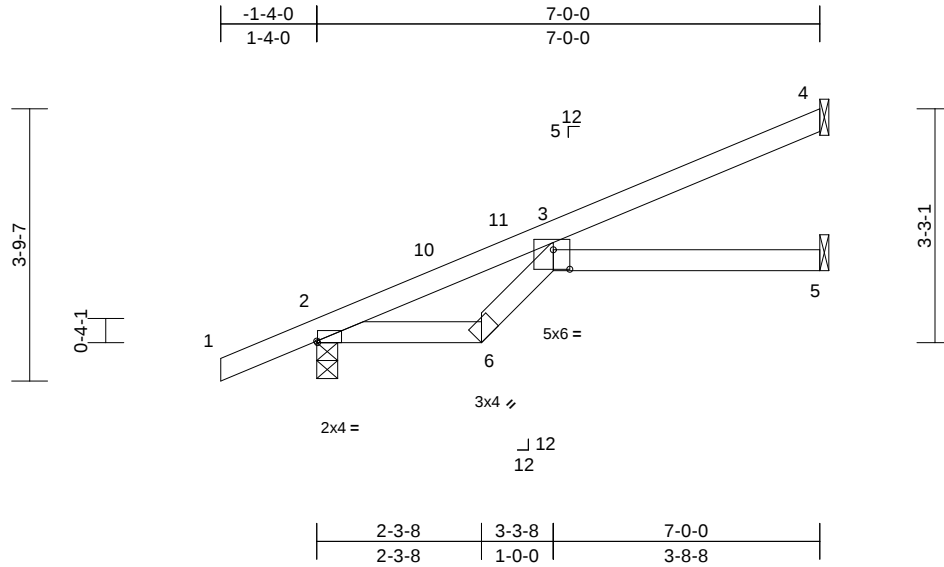
Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153581
240606-04KM	J06	Jack-Open	4	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:28

Page: 1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	0.16	3-5	>511	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.19	3-5	>443	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.09	5	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MR							Weight: 25 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (size) 2=0-3-8, 4= Mechanical, 5= Mechanical
Max Horiz 2=138 (LC 12)
Max Uplift 2=-118 (LC 12), 4=-72 (LC 12), 5=-13 (LC 12)
Max Grav 2=315 (LC 1), 4=140 (LC 1), 5=98 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/28, 2-3=-396/186, 3-4=-80/50
BOT CHORD 2-6=-295/341, 3-6=-229/293, 3-5=-8/8

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft;
B=50ft; L=30ft; eave=4ft; Cat. II; Exp C; Enclosed;
MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0,
Zone1 1-8-0 to 6-11-4 zone; cantilever left and right
exposed ; end vertical left and right exposed;C-C for
members and forces & MWFRS for reactions shown;
Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom
chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.
- 5) Bearings are assumed to be: , Joint 2 SP No.2 .

- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 72 lb uplift at joint
4, 118 lb uplift at joint 2 and 13 lb uplift at joint 5.

LOAD CASE(S) Standard



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

June 13,2024

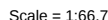
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Coastal Truss & Vinyl Siding, Patterson, GA - 31577, Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:26 Page: 1
ID:OBXr15Plgqp3fDdyLuXNBz8zJp-RfC?PsB70Hg3NSqPanL8w3uITXbGKWCrDci7J4zJC?c



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	-0.04	22-48	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.07	22-48	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.00	28	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 279 lb	FT = 20%

Vert: 29=-188 (F), 10=-188 (F)



THE STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

June 13.2024



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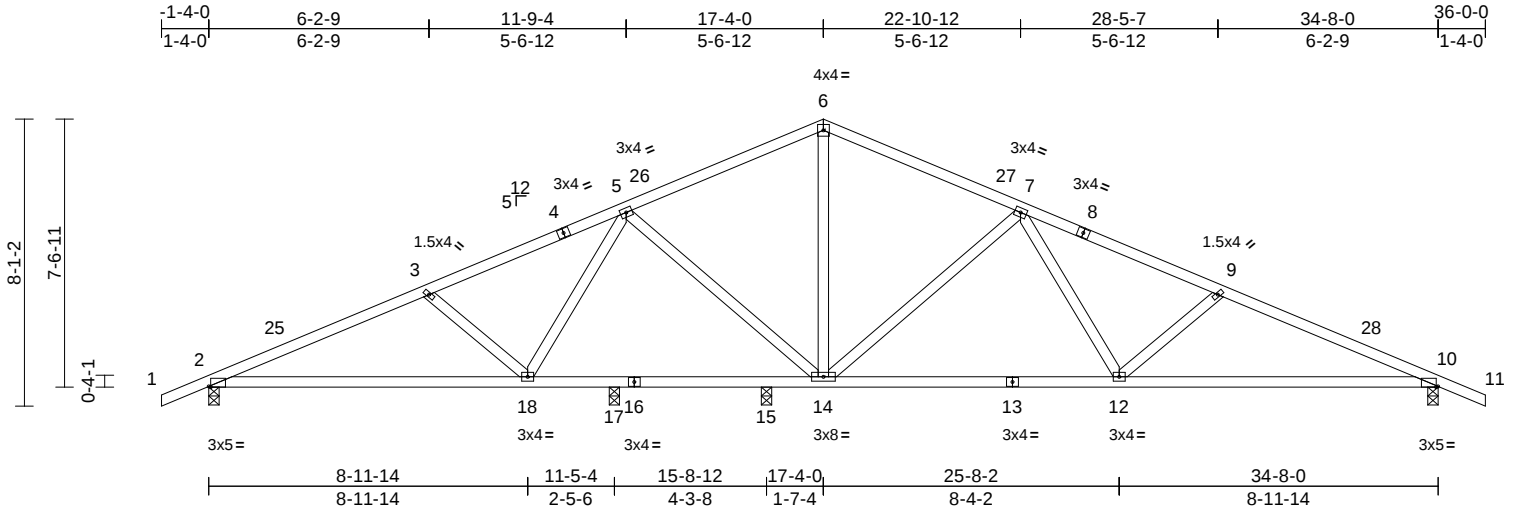
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153583
240606-04KM	T01	Common	1	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:29
ID:zcrlO4MT?vSECBU3HCLqlyZ8zJs-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrcD0i7J4zJC?f

Page: 1



Scale = 1:65

Plate Offsets (X, Y): [2:0-0-10,Edge], [10:0-0-10,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.24	12-14	>947	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.45	12-14	>510	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.08	10	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 171 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-1 oc purlins.
BOT CHORD Structural wood sheathing directly applied or 2-2-0 oc bracing.

REACTIONS

(size) 2=0-3-8, 10=0-3-8, 15=0-3-8, 17=0-3-8
Max Horiz 2=-180 (LC 10)
Max Uplift 2=-351 (LC 12), 10=-361 (LC 12), 15=-112 (LC 12)
Max Grav 2=1000 (LC 1), 10=1053 (LC 1), 15=403 (LC 1), 17=60 (LC 3)

FORCES

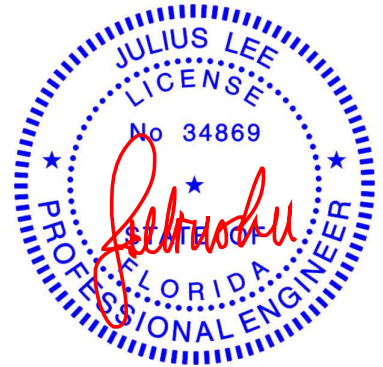
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-1878/732, 3-5=-1621/656, 5-6=-1054/518, 6-7=-1054/520, 7-9=-1810/704, 9-10=-2056/778, 10-11=0/28, 12-18=-577/1706, 17-18=-399/1300, 15-17=-399/1300, 14-15=-399/1300, 12-14=-437/1392, 10-12=-630/1864
WEBS 6-14=-194/486, 7-14=-637/335, 7-12=-99/482, 9-12=-333/211, 5-14=-540/305, 5-18=-57/331, 3-18=-355/218

NOTES

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft; B=50ft; L=35ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-1-10, Zone1 2-1-10 to 17-4-0, Zone2 17-4-0 to 22-2-13, Zone1 22-2-13 to 36-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) All plates are 3x4 MT20 unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 7) All bearings are assumed to be SP No.2.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 351 lb uplift at joint 2, 361 lb uplift at joint 10 and 112 lb uplift at joint 15.

LOAD CASE(S) Standard



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

June 13, 2024

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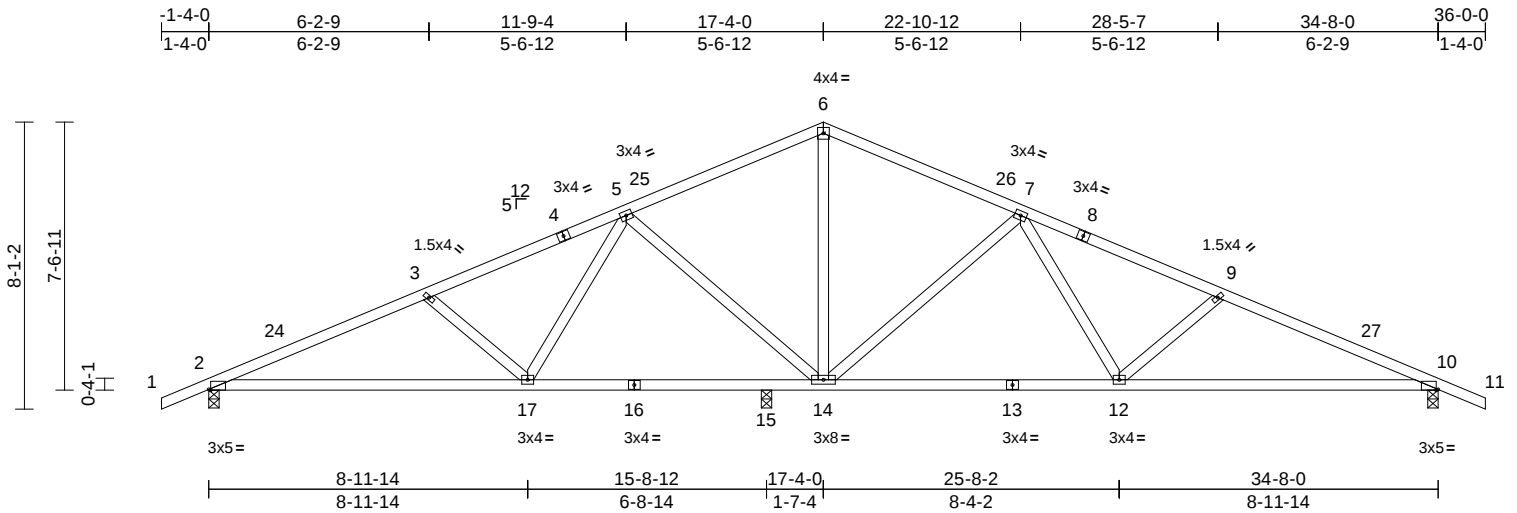
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153584
240606-04KM	T02	Common	4	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:29
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Page: 1



Scale = 1:65

Plate Offsets (X, Y): [2:0-0-10,Edge], [10:0-0-10,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.24	12-14	>942	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.45	12-14	>507	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.08	10	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 171 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-1 oc purlins.
BOT CHORD Structural wood sheathing directly applied or 2-2-0 oc bracing.

REACTIONS

(size) 2=0-3-8, 10=0-3-8, 15=0-3-8
Max Horiz 2=-180 (LC 10)
Max Uplift 2=-351 (LC 12), 10=-361 (LC 12), 15=-111 (LC 12)
Max Grav 2=1008 (LC 1), 10=1049 (LC 1), 15=444 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension

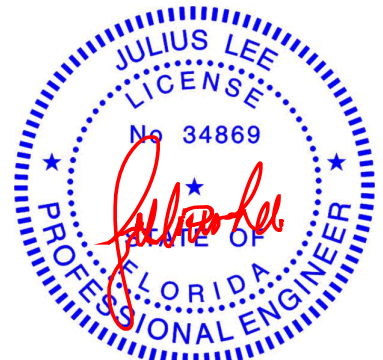
TOP CHORD 1-2=0/28, 2-3=-1903/731, 3-5=-1647/655, 5-6=-1044/518, 6-7=-1045/520, 7-9=-1801/705, 9-10=-2047/779, 10-11=0/28
BOT CHORD 2-17=-576/1729, 15-17=-399/1308, 14-15=-399/1308, 12-14=-438/1383, 10-12=-631/1856
WEBS 6-14=-194/479, 7-14=-638/335, 7-12=-99/483, 9-12=-333/211, 5-14=-563/304, 5-17=-55/374, 3-17=-352/218

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft; B=50ft; L=35ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-1-10, Zone1 2-1-10 to 17-4-0, Zone2 17-4-0 to 22-2-13, Zone1 22-2-13 to 36-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 3x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 361 lb uplift at joint 10, 351 lb uplift at joint 2 and 111 lb uplift at joint 15.

LOAD CASE(S) Standard



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

June 13, 2024

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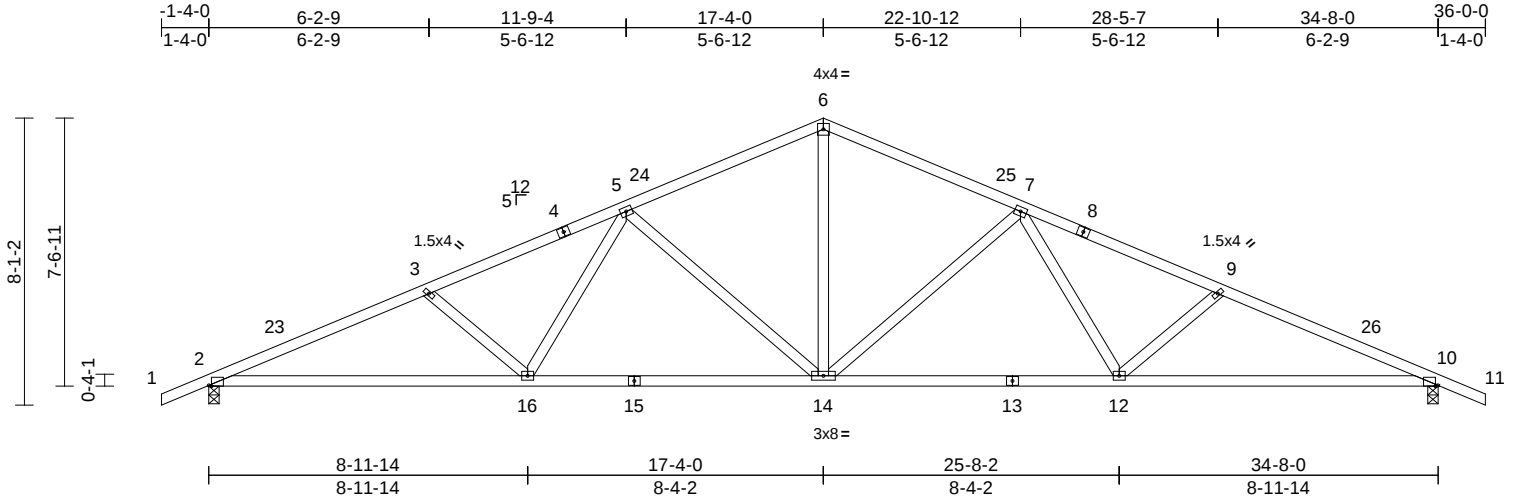
Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153585
240606-04KM	T03	Common	3	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:29

Page: 1

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Scale = 1:65

Plate Offsets (X, Y): [2:0-0-14,Edge], [10:0-0-14,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.18	14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.33	14-16	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.11	10	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 171 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-3-6 oc purlins.
BOT CHORD Structural wood sheathing directly applied or 6-7-13 oc bracing.

REACTIONS (size) 2=0-3-8, 10=0-3-8
Max Horiz 2=-180 (LC 10)
Max Uplift 2=-411 (LC 12), 10=-411 (LC 12)
Max Grav 2=1251 (LC 1), 10=1251 (LC 1)

FORCES

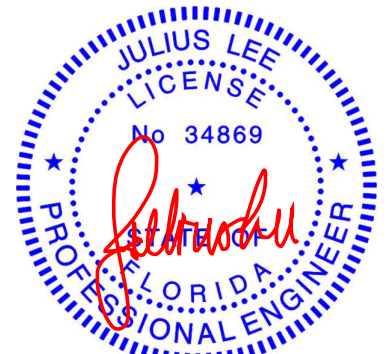
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-2547/933, 3-5=-2300/859, 5-6=-1603/693, 6-7=-1603/693, 7-9=-2300/859, 9-10=-2547/933, 10-11=0/28
BOT CHORD 2-16=-758/2318, 14-16=-573/1870, 12-14=-590/1870, 10-12=-776/2318
WEBS 6-14=-327/909, 7-14=-609/323, 7-12=-82/440, 9-12=-336/212, 5-14=-609/323, 5-16=-82/440, 3-16=-336/212

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft; B=50ft; L=35ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-1-10, Zone1 2-1-10 to 17-4-0, Zone2 17-4-0 to 22-2-13, Zone1 22-2-13 to 36-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

- All plates are 3x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 10 and 411 lb uplift at joint 2.

LOAD CASE(S) Standard



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

June 13, 2024

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

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MiTek®

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

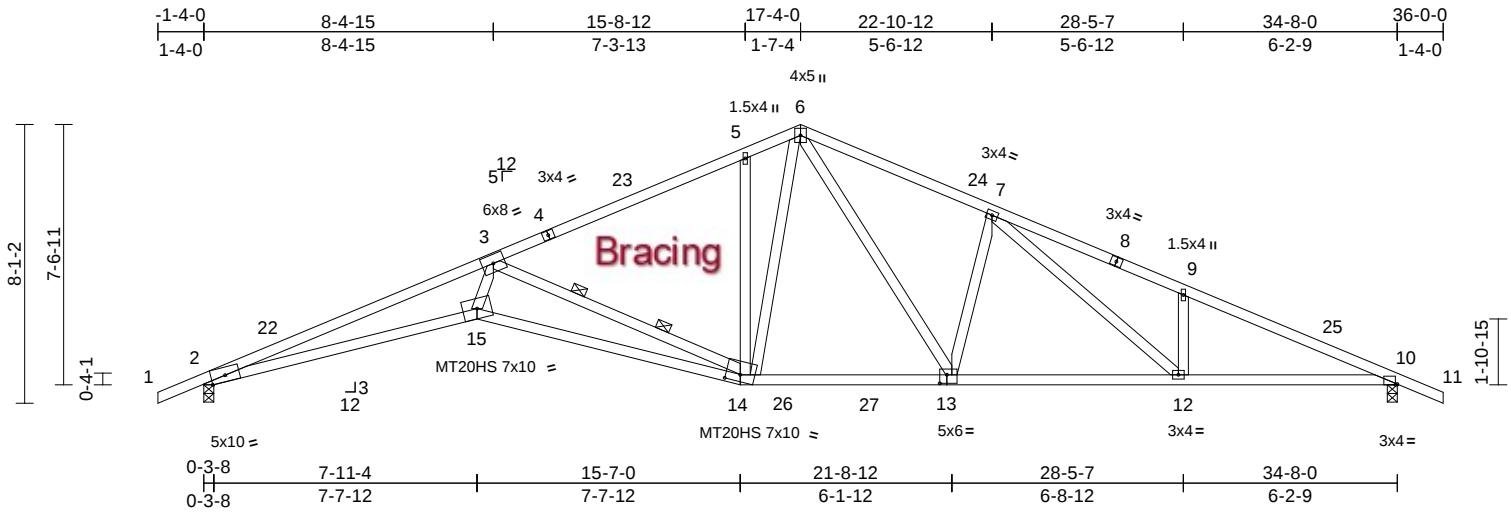
Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153586
240606-04KM	T04	Roof Special	8	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:29

Page: 1

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Scale = 1:66.9

Plate Offsets (X, Y): [10:0-0-10,Edge], [13:0-2-8,0-3-0], [14:0-5-0,0-2-6]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	-0.66	14-15	>632	240	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-1.08	14-15	>385	180	187/143
BCLL	0.0*	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.45	10	n/a	n/a	
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MS							
Weight: 180 lb FT = 20%											

LUMBER

TOP CHORD 2x4 SP No.2 *Except* 1-4:2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except* 2-15:2x4 SP SS,
15-14:2x4 SP No.1
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.
WEBS 2 Rows at 1/3 pts 3-14

REACTIONS (size) 2=0-3-8, 10=0-3-8
Max Horiz 2=-180 (LC 10)
Max Uplift 2=-411 (LC 12), 10=-411 (LC 12)
Max Grav 2=1390 (LC 17), 10=1392 (LC 18)

FORCES

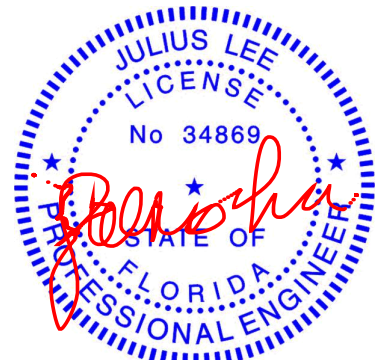
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-6336/1861, 3-5=-1964/728,
5-6=-1966/853, 6-7=-2177/845,
7-9=-2908/1009, 9-10=-2884/911, 10-11=0/28
BOT CHORD 2-15=-1655/6108, 14-15=-1447/5226,
12-14=-587/2081, 10-12=-757/2612
WEBS 3-15=-716/3054, 3-14=-3604/1086,
5-14=-375/316, 6-14=-407/957,
7-13=-545/322, 6-13=-294/854,
7-12=-242/764, 9-12=-310/208

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft;
B=50ft; L=35ft; eave=4ft; Cat. II; Exp C; Enclosed;
MWFRS (directional) and C-C Zone3 1-4-0 to 2-1-10,
Zone1 2-1-10 to 17-4-0, Zone2 17-4-0 to 22-2-13, Zone1
22-2-13 to 36-0-0 zone; cantilever left and right
exposed; end vertical left and right exposed; C-C for
members and forces & MWFRS for reactions shown;
Lumber DOL=1.60 plate grip DOL=1.60

- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are MT20 plates unless otherwise indicated.
- The Fabrication Tolerance at joint 15 = 8%
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
- Bearings are assumed to be: Joint 2 SP SS, Joint 10 SP No.2.
- Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 10 and 411 lb uplift at joint 2.

LOAD CASE(S) Standard



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

June 13,2024

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

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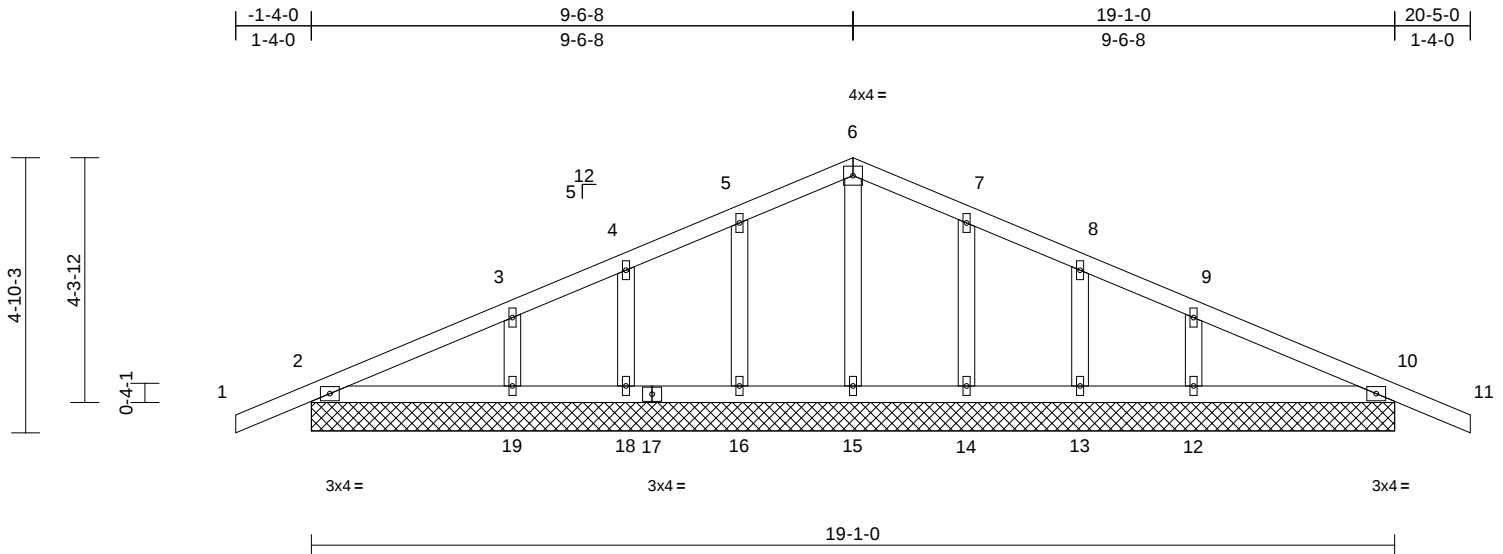
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153587
240606-04KM	GE01	Common Supported Gable	1	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:26
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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	23	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 88 lb	FT = 20%

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

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

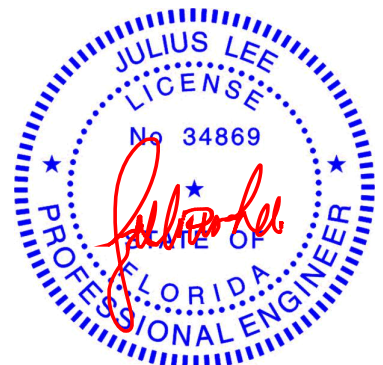
REACTIONS (size) 2=19-1-0, 10=19-1-0, 12=19-1-0, 13=19-1-0, 14=19-1-0, 15=19-1-0, 16=19-1-0, 18=19-1-0, 19=19-1-0, 20=19-1-0, 23=19-1-0
Max Horiz 2=-100 (LC 10), 20=-100 (LC 10)
Max Uplift 2=-108 (LC 12), 10=-108 (LC 12), 12=-67 (LC 12), 13=-49 (LC 12), 14=-56 (LC 12), 16=-56 (LC 12), 18=-49 (LC 12), 19=-67 (LC 12), 20=-108 (LC 12), 23=-108 (LC 12)
Max Grav 2=193 (LC 1), 10=193 (LC 1), 12=218 (LC 24), 13=103 (LC 1), 14=153 (LC 24), 15=113 (LC 1), 16=153 (LC 23), 18=103 (LC 1), 19=218 (LC 23), 20=193 (LC 1), 23=193 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-70/68, 3-4=-64/80, 4-5=-51/129, 5-6=-70/188, 6-7=-70/188, 7-8=-48/129, 8-9=-39/79, 9-10=-64/31, 10-11=0/28
BOT CHORD 2-19=-23/98, 18-19=-23/98, 16-18=-23/98, 15-16=-23/98, 14-15=-23/98, 13-14=-23/98, 12-13=-23/98, 10-12=-23/98
WEBS 6-15=-86/0, 5-16=-121/135, 4-18=-88/114, 3-19=-158/176, 7-14=-121/136, 8-13=-88/114, 9-12=-158/177

NOTES
1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft; B=50ft; L=30ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 1.5x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 10) All bearings are assumed to be SP No.2.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 2, 108 lb uplift at joint 10, 56 lb uplift at joint 16, 49 lb uplift at joint 18, 67 lb uplift at joint 19, 56 lb uplift at joint 14, 49 lb uplift at joint 13, 67 lb uplift at joint 12, 108 lb uplift at joint 2 and 108 lb uplift at joint 10.
- 12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 10, 23.

LOAD CASE(S) Standard



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

June 13, 2024

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

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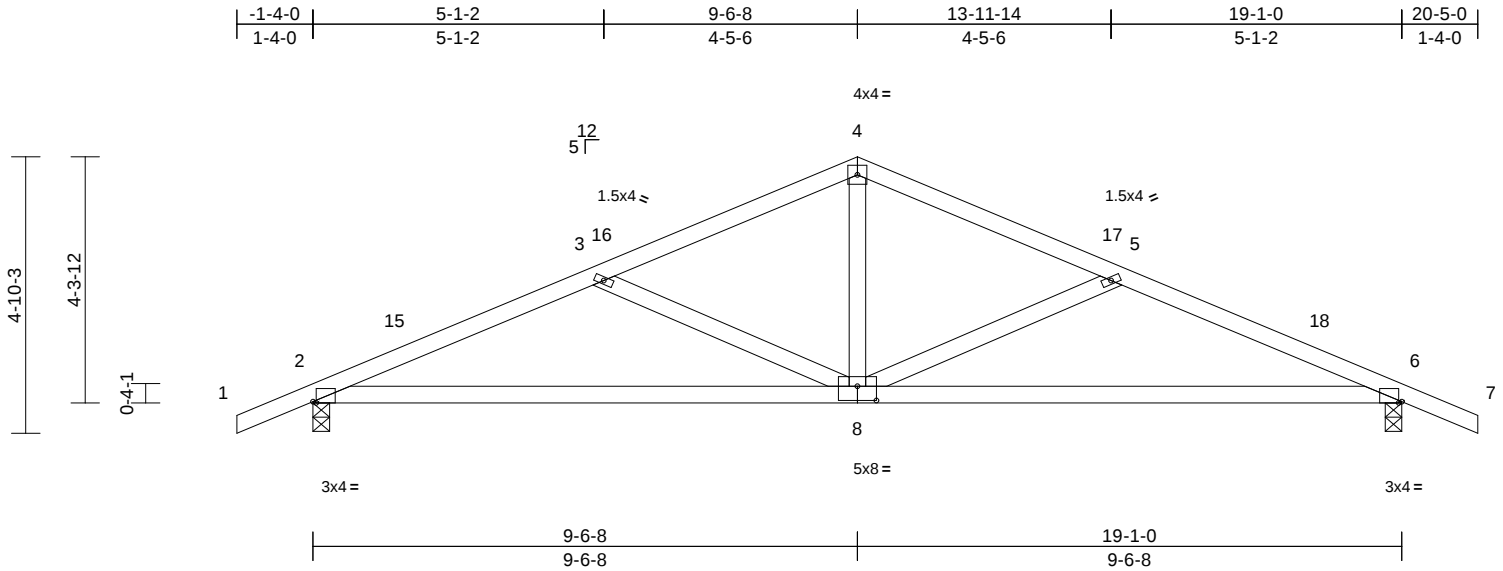
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153588
240606-04KM	T05	Common	1	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:29
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Page: 1



Scale = 1:40.4

Plate Offsets (X, Y): [2:0-0-10,Edge], [6:0-0-10,Edge], [8:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.13	8-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.24	8-14	>937	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.03	6	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 84 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-0-4 oc purlins.
BOT CHORD Structural wood sheathing directly applied or 8-6-11 oc bracing.

REACTIONS

(size) 2=0-3-8, 6=0-3-8
Max Horiz 2=100 (LC 10)
Max Uplift 2=-255 (LC 12), 6=-255 (LC 12)
Max Grav 2=721 (LC 1), 6=721 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/28, 2-3=-1254/587, 3-4=-923/417,
4-5=-923/417, 5-6=-1254/586, 6-7=0/28

BOT CHORD 2-6=-468/1137

WEBS 4-8=-135/474, 5-8=-381/283, 3-8=-381/283

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft; B=50ft; L=30ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 9-6-8, Zone2 9-6-8 to 13-9-7, Zone1 13-9-7 to 20-5-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 6) All bearings are assumed to be SP No.2 .
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 255 lb uplift at joint 2 and 255 lb uplift at joint 6.

LOAD CASE(S) Standard



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

June 13, 2024

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

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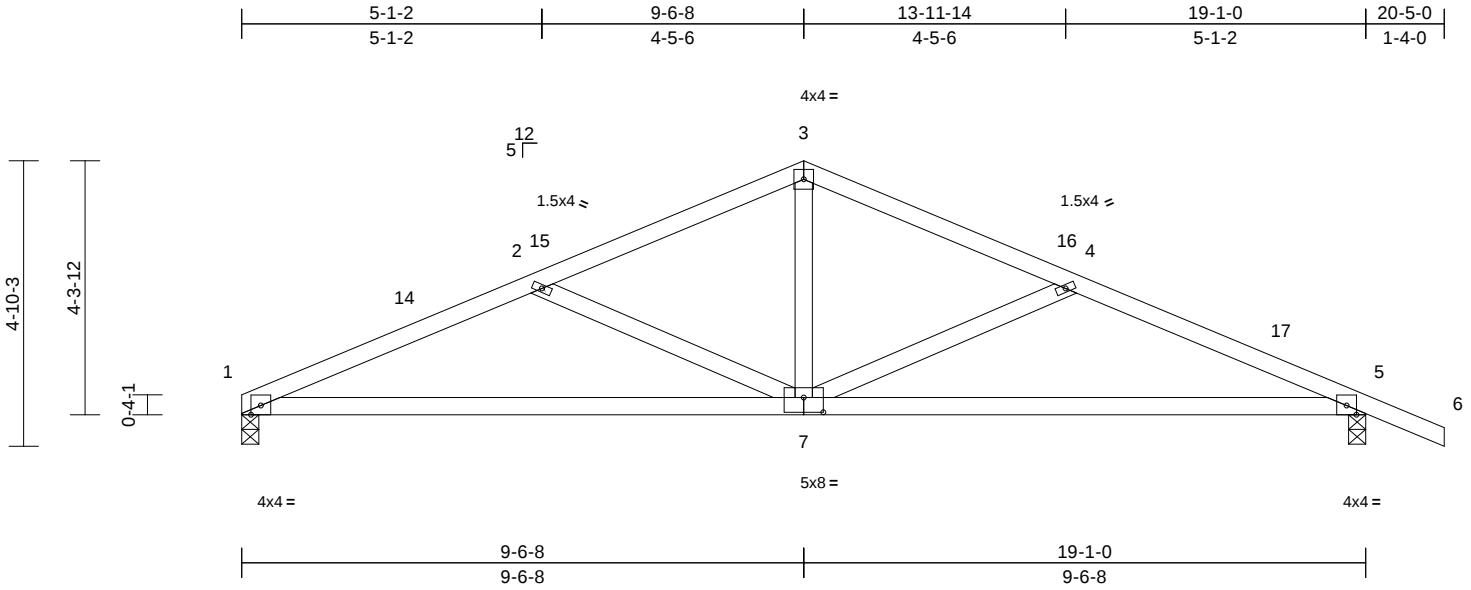
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153589
240606-04KM	T06	Common	4	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:29
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Page: 1



Scale = 1:39.1

Plate Offsets (X, Y): [7:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.13	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.25	7-10	>923	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.03	5	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 81 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-10-7 oc purlins.
BOT CHORD Structural wood sheathing directly applied or 8-4-1 oc bracing.

REACTIONS (size)

1=0-3-8, 5=0-3-8
Max Horiz 1=-99 (LC 10)
Max Uplift 1=-189 (LC 12), 5=-258 (LC 12)
Max Grav 1=646 (LC 1), 5=723 (LC 1)

FORCES

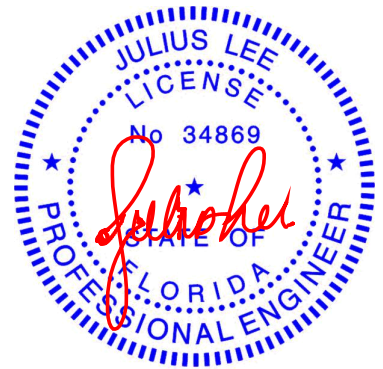
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1271/618, 2-3=-931/442, 3-4=-930/430, 4-5=-1261/608, 5-6=0/28
BOT CHORD 1-5=-487/1156
WEBS 3-7=-158/476, 4-7=-380/282, 2-7=-393/291

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft; B=50ft; L=30ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 9-6-8, Zone2 9-6-8 to 13-9-7, Zone1 13-9-7 to 20-5-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2 .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 189 lb uplift at joint 1 and 258 lb uplift at joint 5.

LOAD CASE(S) Standard



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

June 13,2024

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

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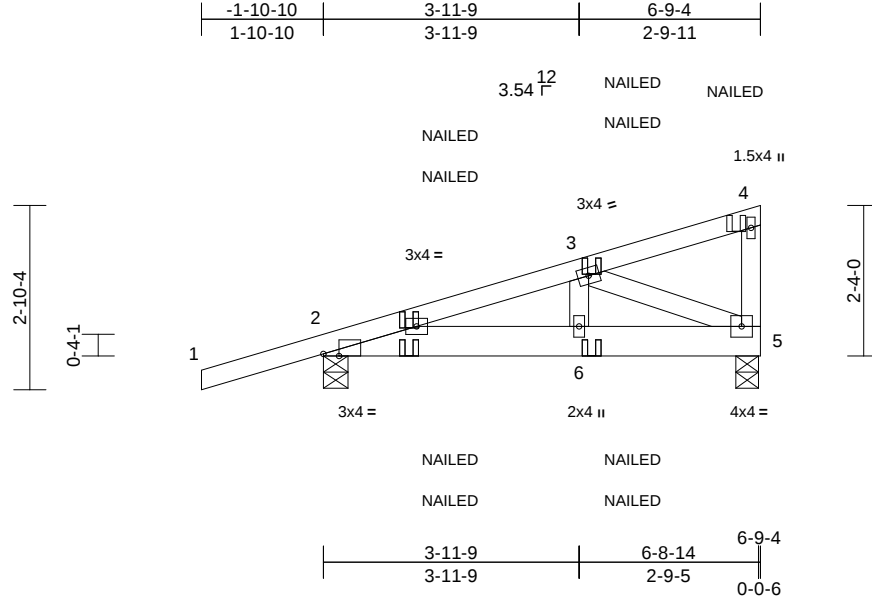
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153590
240606-04KM	T07	Roof Special Girder	1	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Jun 12 08:35:29
ID:OBXr15PLlqp3fDdyLuXNBz8zJp-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:35.7

Plate Offsets (X, Y): [2:0-2-15,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	-0.01	6-8	>999	240	MT20
TCDL	7.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.01	6-8	>999	180	244/190
BCLL	0.0*	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	5	n/a	n/a	
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MP							
Weight: 37 lb FT = 20%											

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-4-9, 5=0-4-3
Max Horiz 2=96 (LC 23)
Max Uplift 2=-117 (LC 8), 5=-80 (LC 5)
Max Grav 2=322 (LC 13), 5=277 (LC 15)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/29, 2-3=-429/28, 3-4=-48/26, 4-5=-114/68

BOT CHORD 2-6=-58/356, 5-6=-57/356

WEBS 3-6=-33/130, 3-5=-380/42

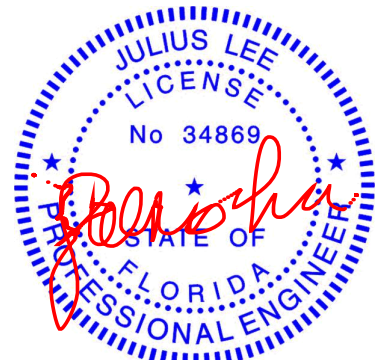
NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft;
B=50ft; L=30ft; eave=4ft; Cat. II; Exp C; Enclosed;
MWFRS (directional); cantilever left and right exposed ;
end vertical left and right exposed; Lumber DOL=1.60
plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom
chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.
- 5) All bearings are assumed to be SP No.2 .

- 6) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 117 lb uplift at joint
2 and 80 lb uplift at joint 5.
- 7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d
(0.148"x3.25") toe-nails per NDS guidelines.
- 8) In the LOAD CASE(S) section, loads applied to the face
of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25,
Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-4=-54, 2-5=-14
Concentrated Loads (lb)
Vert: 4=-56 (B), 6=-12 (F=-6, B=-6), 8=39 (F=19,
B=19)



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

June 13,2024

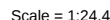
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Coastal Truss & Vinyl Siding, Patterson, GA - 31577, Run: 8.73 E Nov 16 2023 Print: 8.730 E Nov 16 2023 MiTek Industries, Inc. Thu Jun 13 08:23:51 Page: 1
ID:zcrl04MT?vSECBU3HCLqIYz8zJs-TJxpOiiZ4bhlXUs?OnarsKxdsqig3IvaXvKMjz6w50



LUMBER	LOAD CASE(S)	Standard
--------	--------------	----------

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

TOP CHORD	Structural wood sheathing directly applied or 4-7-0 oc purlins.
BOT CHORD	Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS	
(lb) - Max Horiz	All bearings 4-7-0. except 3= Mechanical 2=101 (LC 12), 5=101 (LC 12)
Max Uplift	All uplift 100 (lb) or less at joint(s) 3 except 2=-106 (LC 12), 5=-106 (LC 12)
Max Grav	All reactions 250 (lb) or less at joint (s) 2, 3, 4, 5

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

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft;
B=50ft; L=30ft; eave=4ft; Cat. II; Exp C; Enclosed;
MWFRS (directional) and C-C 1-8-0 to 4-6-4 zone;
cantilever left and right exposed ; end vertical left and
right exposed; C-C for members and forces & MWFRS
for reactions shown; Lumber DOL=1.60 plate grip
DOL=1.60
- 2) Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom
chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 100 lb uplift at joint
(s) 3 except (jt=lb) 2=105, 2=105.



June 13.2024



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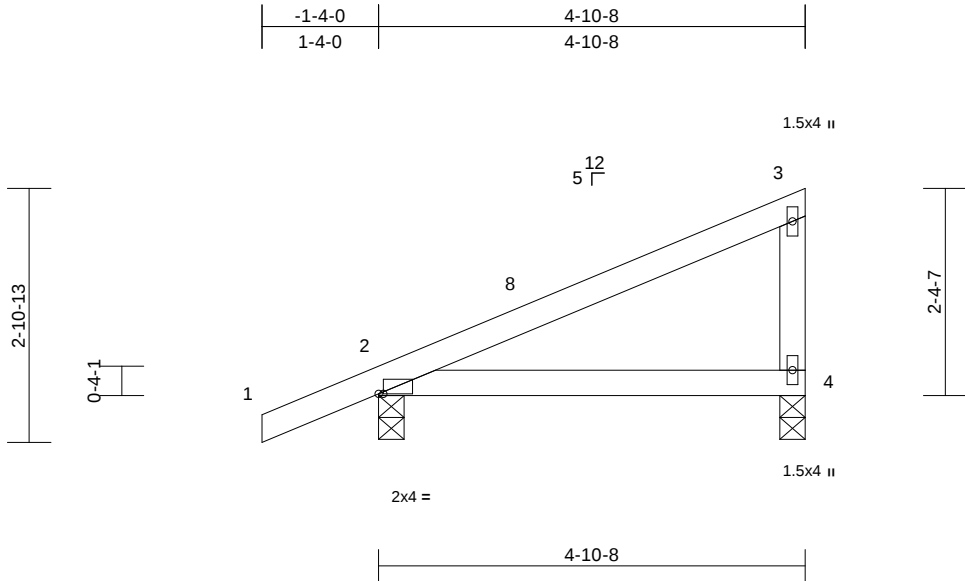
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153592
240606-04KM	M02	Monopitch	4	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

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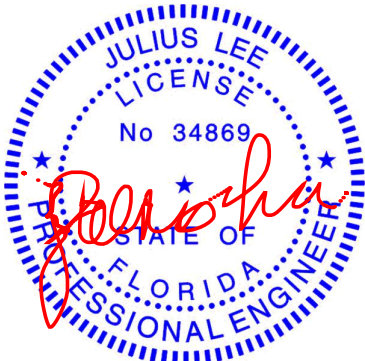


Scale = 1:26.3											
Plate Offsets (X, Y): [2:0-0-10,Edge]											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	0.05	4-7	>999	240	GRIP
TCDL	7.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.04	4-7	>999	180	MT20
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a	244/190
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 20 lb
											FT = 20%

- LUMBER**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 4 and 119 lb uplift at joint 2.
LOAD CASE(S) Standard

- BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-10-8 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.
- REACTIONS** (size) 2=0-3-8, 4=0-3-8
Max Horiz 2=104 (LC 11)
Max Uplift 2=-119 (LC 12), 4=-41 (LC 9)
Max Grav 2=243 (LC 1), 4=151 (LC 17)
- FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-143/79, 3-4=-126/261
BOT CHORD 2-4=-82/100

- NOTES**
1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft;
B=50ft; L=30ft; eave=4ft; Cat. II; Exp C; Enclosed;
MWFRS (directional) and C-C Zone3 1-4-0 to 1-8-0,
Zone1 1-8-0 to 4-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown;
Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 .



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

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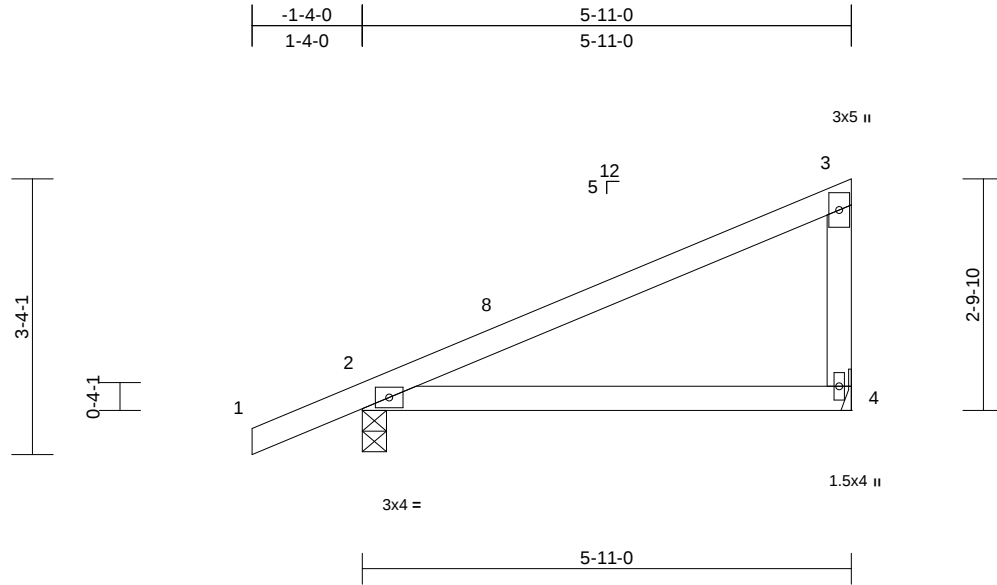
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Job	Truss	Truss Type	Qty	Ply	Mitchell Brown	T34153593
240606-04KM	T08	Roof Special	2	1	Job Reference (optional)	

Coastal Truss & Vinyl Siding, Patterson, GA - 31577,

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Page: 1



Scale = 1:27.9												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	0.08	4-7	>908	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.09	4-7	>780	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	7.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 24 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-11-0 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=277/0-3-8, 4=188/ Mechanical
Max Horiz 2=124 (LC 11)
Max Uplift 2=-127 (LC 12), 4=-53 (LC 12)

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

NOTES

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=4.2psf; BCDL=4.2psf; h=18ft;
B=50ft; L=30ft; eave=4ft; Cat. II; Exp C; Enclosed;
MWFRS (directional) and C-C 5-9-4 to 5-9-4 zone;
cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 4 and 127 lb uplift at joint 2.

LOAD CASE(S) Standard



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MiTek Inc. DBA MiTek USA FL Cert 6634
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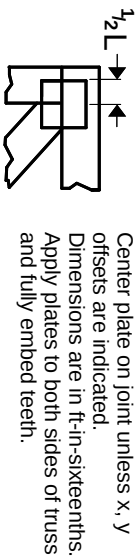
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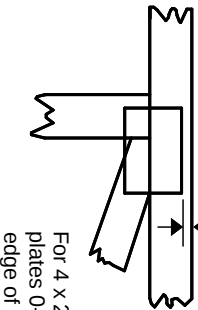
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Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

4 X 4

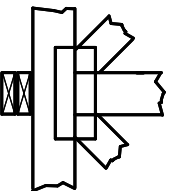
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

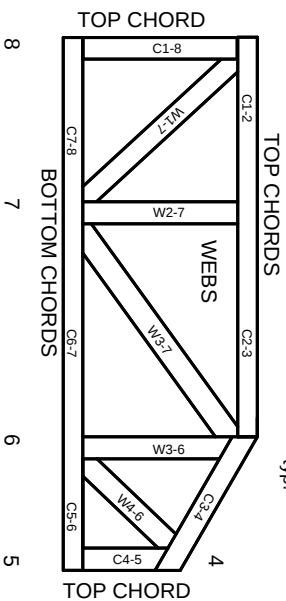
Industry Standards:

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

Numbering System

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

1 2 3 Joint ID typ.



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

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

Product Code Approvals

ICC-ES Reports:

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

Design General Notes

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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