



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

RE: 6242611 - 2169A 2Car Frame

MiTek, Inc.

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: Adams Homes-Gainesville
Lot/Block: 08
Address: 297 SW Silver Palm Dr , ,
City: Lake City

Project Name: The Preserve at Laurel Lake, 08
Subdivision: The Preserve at Laurel Lake

State: FL

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

Name: License #:
Address: State:
City:

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

Design Code: **FBC2023/TPI2014**

Design Program: MiTek 20/20 8.7

Wind Code: ASCE 7-22

Wind Speed: 130 mph

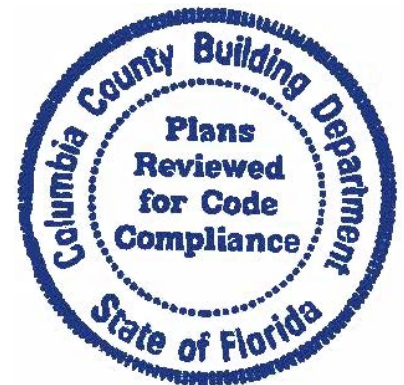
Roof Load: 40.0 psf

Floor Load: N/A psf

This package includes 50 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	T35031751	A01	9/17/24	23	T35031773	A23	9/17/24
2	T35031752	A02	9/17/24	24	T35031774	B01	9/17/24
3	T35031753	A03	9/17/24	25	T35031775	C1	9/17/24
4	T35031754	A04	9/17/24	26	T35031776	C3	9/17/24
5	T35031755	A05	9/17/24	27	T35031777	C3A	9/17/24
6	T35031756	A06	9/17/24	28	T35031778	C5	9/17/24
7	T35031757	A07	9/17/24	29	T35031779	C5A	9/17/24
8	T35031758	A08	9/17/24	30	T35031780	D01	9/17/24
9	T35031759	A09	9/17/24	31	T35031781	D02	9/17/24
10	T35031760	A10	9/17/24	32	T35031782	D03	9/17/24
11	T35031761	A11	9/17/24	33	T35031783	E4	9/17/24
12	T35031762	A12	9/17/24	34	T35031784	E7	9/17/24
13	T35031763	A13	9/17/24	35	T35031785	G01	9/17/24
14	T35031764	A14	9/17/24	36	T35031786	G02	9/17/24
15	T35031765	A15	9/17/24	37	T35031787	G03	9/17/24
16	T35031766	A16	9/17/24	38	T35031788	G04	9/17/24
17	T35031767	A17	9/17/24	39	T35031789	G05	9/17/24
18	T35031768	A18	9/17/24	40	T35031790	G06	9/17/24
19	T35031769	A19	9/17/24	41	T35031791	G07	9/17/24
20	T35031770	A20	9/17/24	42	T35031792	H4	9/17/24
21	T35031771	A21	9/17/24	43	T35031793	H5	9/17/24
22	T35031772	A22	9/17/24	44	T35031794	H7	9/17/24

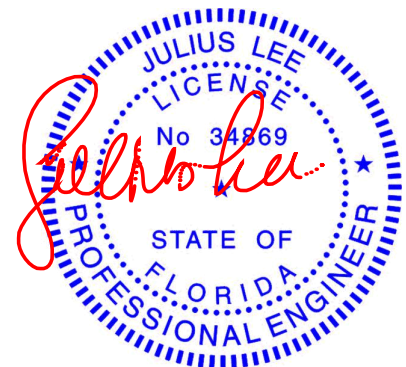


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Tibbetts Lumber Co., LLC.

Truss Design Engineer's Name: Lee, Julius

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

September 18, 2024

Lee, Julius

1 of 2



RE: 6242611 - 2169A 2Car Frame

MiTek, Inc.

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: Adams Homes-Gainesville Project Name: The Preserve at Laurel Lake 08 Model: 2169A 2Car Frame
Lot/Block: 08 Subdivision: The Preserve at Laurel Lake
Address: 297 SW Silver Palm Dr , .
City: Lake City State: FL

No.	Seal#	Truss Name	Date
45	T35031795	PB1	9/17/24
46	T35031796	PB2	9/17/24
47	T35031797	PB3	9/17/24
48	T35031798	PB4	9/17/24
49	T35031799	PB5	9/17/24
50	T35031800	PB6	9/17/24

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031751
6242611	A01	Hip Girder	1	2	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL),Ocala, FL - 34472,8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:46 2024 Page 1

ID:SuQVa2bJoYHjVzRq1hrHKbylAWH-TQBIS?XdOpzVKc7OM1mdzaUP1ZBbobAo8n0VZqycjkJ

-2-0-0

2-0-0

7-0-0

7-0-0

13-10-15

6-10-15

20-9-14

6-10-15

27-8-12

6-10-15

34-7-11

6-10-15

41-7-0

6-11-5

42-0-0

0-5-0

Scale = 1:74.1

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.77	Vert(LL)	-0.36	12	>999	360	MT20
TCDL 10.0	Lumber DOL	1.15	BC 0.70	Vert(CT)	-0.73	12	>687	240	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.83	Horz(CT)	0.12	9	n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.24	12	>999	240	Weight: 550 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* 1-3: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2 *Except* 11-13: 2x6 SP DSS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 2=0-3-8, 9=Mechanical
Max Horz 2=116(LC 26)
Max Uplift 2=220(LC 8), 9=-246(LC 8)
Max Grav 2=3306(LC 1), 9=3479(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6619/314, 3-4=-9521/624, 4-5=-9519/623, 5-6=-9609/689, 6-7=-9609/689, 7-8=-6235/465, 8-9=-3308/328
BOT CHORD 2-14=-240/5835, 13-14=-231/5857, 12-13=-680/10754, 11-12=-680/10754, 10-11=-416/6345
WEBS 3-14=0/737, 3-13=-364/4159, 4-13=-936/290, 5-13=-1405/137, 5-12=0/613, 5-11=-1276/64, 6-11=-786/251, 7-11=-231/3650, 7-10=-2571/409, 8-10=-468/6786

NOTES-

- 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.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=220, 9=246.

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

September 18,2024

Continued on page 2

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

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

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

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame
6242611	A01	Hip Girder	1	2	T35031751

NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 142 lb down and 86 lb up at 7-0-0, 123 lb down and 83 lb up at 9-0-12, 123 lb down and 83 lb up at 11-0-12, 123 lb down and 83 lb up at 13-0-12, 123 lb down and 83 lb up at 15-0-12, 123 lb down and 83 lb up at 17-0-12, 123 lb down and 83 lb up at 19-0-12, 123 lb down and 83 lb up at 21-0-12, 123 lb down and 83 lb up at 23-0-12, 123 lb down and 83 lb up at 25-0-12, 123 lb down and 83 lb up at 27-0-12, 123 lb down and 83 lb up at 29-0-12, 123 lb down and 83 lb up at 31-0-12, 123 lb down and 83 lb up at 33-0-12, 123 lb down and 83 lb up at 35-0-12, 123 lb down and 83 lb up at 37-0-12, and 123 lb down and 83 lb up at 39-0-12, and 130 lb down and 81 lb up at 41-0-12 on top chord, and 315 lb down at 7-0-0, 96 lb down at 9-0-12, 96 lb down at 11-0-12, 96 lb down at 13-0-12, 96 lb down at 15-0-12, 96 lb down at 17-0-12, 96 lb down at 19-0-12, 96 lb down at 21-0-12, 96 lb down at 23-0-12, 96 lb down at 25-0-12, 96 lb down at 27-0-12, 96 lb down at 29-0-12, 96 lb down at 31-0-12, 96 lb down at 33-0-12, 96 lb down at 35-0-12, 96 lb down at 37-0-12, and 96 lb down at 39-0-12, and 100 lb down at 41-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-60, 3-8=-60, 2-9=-20

Concentrated Loads (lb)

Vert: 3=-123(F) 14=-275(F) 5=-123(F) 12=-48(F) 15=-123(F) 16=-123(F) 18=-123(F) 19=-123(F) 20=-123(F) 21=-123(F) 22=-123(F) 23=-123(F) 24=-123(F) 25=-123(F) 26=-123(F) 27=-123(F) 28=-123(F) 29=-123(F) 30=-123(F) 31=-130(F) 32=-48(F) 33=-48(F) 34=-48(F) 35=-48(F) 36=-48(F) 37=-48(F) 38=-48(F) 39=-48(F) 40=-48(F) 41=-48(F) 42=-48(F) 43=-48(F) 44=-48(F) 45=-48(F) 46=-48(F) 47=-50(F)

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

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031752
6242611	A02	HIP	1	1		

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

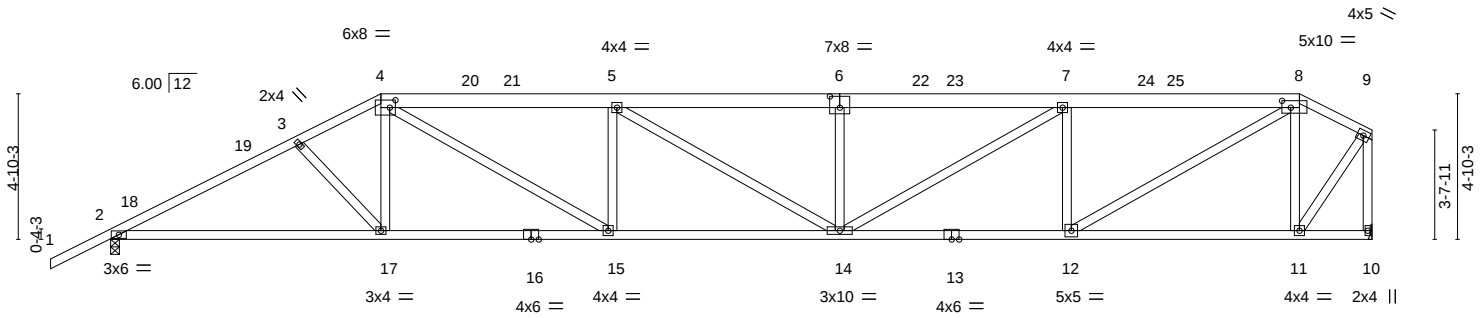
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Job Reference (optional)

-2-0-0	6-3-6	9-0-0	16-8-9	24-3-5	31-10-2	39-7-0	42-0-0
2-0-0	6-3-6	2-8-10	7-8-9	7-6-13	7-6-13	7-8-14	2-5-0

Scale = 1:76.7



9-0-0	16-8-9	24-3-5	31-10-2	39-7-0	42-0-0
9-0-0	7-8-9	7-6-13	7-6-13	7-8-14	2-5-0

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.73	Vert(LL)	-0.26 14-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.48	Vert(CT)	-0.55 14-15	>903	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.59	Horz(CT)	0.13 10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.15 14-15	>999	240	Weight: 253 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
4-6,6-8: 2x6 SP No.2
BOT CHORD 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-3-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=0-3-8, 10=Mechanical
Max Horz 2=133(LC 11)
Max Uplift 2=135(LC 12), 10=-71(LC 12)
Max Grav 2=1800(LC 1), 10=1665(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3156/232, 3-4=-2934/211, 4-5=-3791/297, 5-6=-3848/287, 6-7=-3848/287, 7-8=-2920/240, 8-9=-980/113, 9-10=-1671/121
BOT CHORD 2-17=-314/2729, 15-17=-238/2606, 14-15=-315/3790, 12-14=-243/2919, 11-12=-96/833
WEBS 4-17=0/407, 4-15=-114/1440, 5-15=-586/142, 6-14=-430/115, 7-14=-65/1083, 7-12=-1065/179, 8-12=-171/2420, 8-11=-1086/172, 9-11=-110/1490

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 39-7-0, Zone3 39-7-0 to 41-10-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 2=135.



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

September 18,2024

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031753
6242611	A03	Hip	1	1		

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

Ocala, FL - 34472,

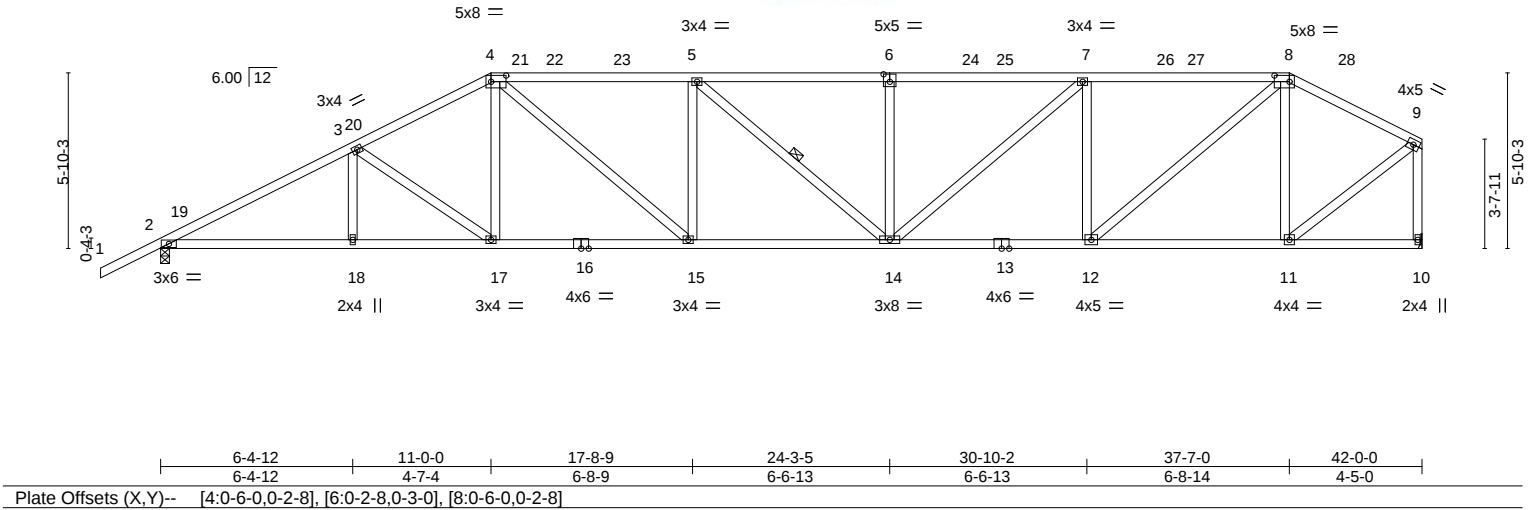
8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:47 2024 Page 1

ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-xdlhgLYF975MymiaawkHsWo0XAZuXX7LxNRm35Hycjkl

-2-0-0	6-4-12	11-0-0	17-8-9	24-3-5	30-10-2	37-7-0	42-0-0
2-0-0	6-4-12	4-7-4	6-8-9	6-6-13	6-6-13	6-8-14	4-5-0

Scale = 1:76.7

Bracing



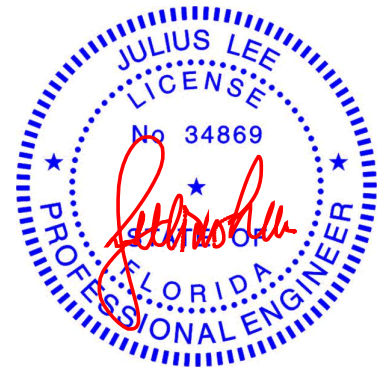
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.93	Vert(LL)	-0.24 14-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.85	Vert(CT)	-0.50 14-15	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.52	Horz(CT)	0.15 10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.14 14-15	>999	240	Weight: 244 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 5-14

REACTIONS.	(size) 2=0-3-8, 10=Mechanical
	Max Horz 2=150(LC 11)
	Max Uplift 2=135(LC 12), 10=-71(LC 12)
	Max Grav 2=1800(LC 1), 10=1665(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-3192/212, 3-4=-2769/229, 4-5=-3096/271, 5-6=-3087/265, 6-7=-3087/265, 7-8=-2484/233, 8-9=-1395/149, 9-10=-1630/151
BOT CHORD	2-18=-296/2759, 17-18=-296/2759, 15-17=-232/2424, 14-15=-265/3096, 12-14=-217/2484, 11-12=-125/1181
WEBS	3-17=-417/76, 4-17=0/402, 4-15=-62/961, 5-15=-478/122, 6-14=-374/101, 7-14=-49/802, 7-12=-951/157, 8-12=-120/1707, 8-11=-796/143, 9-11=-112/1497

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 37-7-0, Zone3 37-7-0 to 41-10-4 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
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 2=135.



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

September 18,2024

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

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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031754
6242611	A04	ROOF SPECIAL	1	1	Job Reference (optional)	

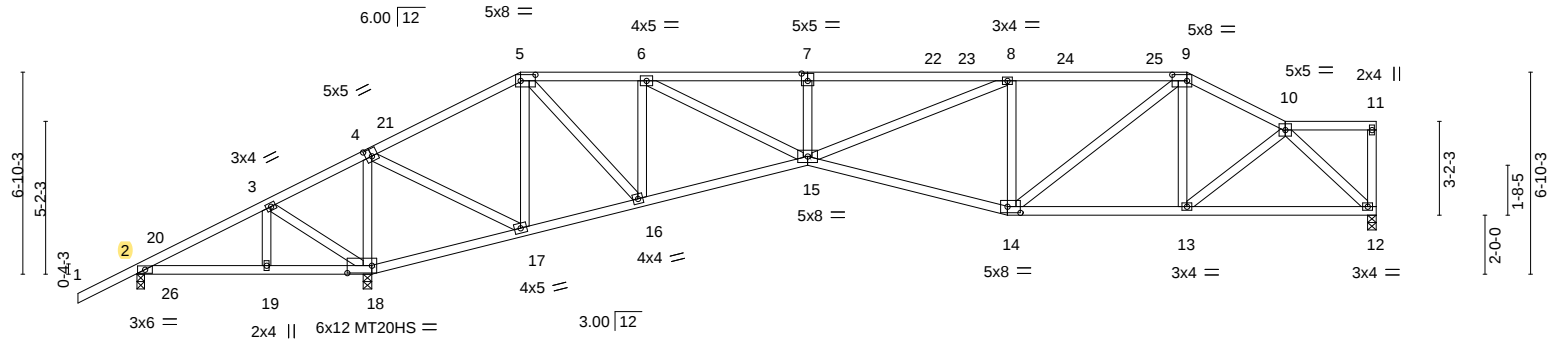
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:48 2024 Page 1

ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-PpJ3thZtwQDDZwHmURo52?ZlNtPGZ04c5VcdjycjkH

-2-0-0	4-4-11	7-11-8	13-0-0	17-1-8	22-8-12	29-6-0	35-7-0	38-11-0	42-0-0
2-0-0	4-4-11	3-6-13	5-0-8	4-1-8	5-7-5	6-9-4	6-1-0	3-4-0	3-1-0

Scale = 1:78.1



	4-4-11	7-9-12	7-11-8	13-0-0	17-1-8	22-8-12	29-6-0	35-7-0	38-11-0	41-8-8	42-0-0
	4-4-11	3-5-1	0-1-12	5-0-8	4-1-8	5-7-5	6-9-4	6-1-0	3-4-0	2-9-8	0-3-8
Plate Offsets (X,Y)--	[4:0-2-8,0-3-0], [5:0-6-0,0-2-8], [7:0-2-8,0-3-0], [9:0-6-0,0-2-8], [14:0-5-4,0-2-8], [18:0-10-0,0-3-0]										

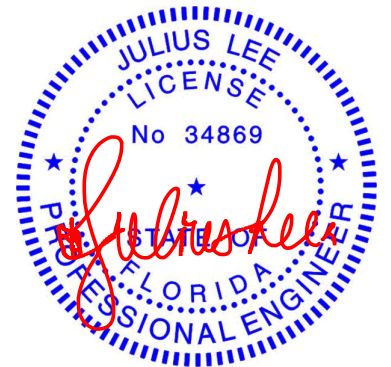
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.74	Vert(LL)	-0.18 15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.68	Vert(CT)	-0.40 14-15	>999	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.62	Horz(CT)	0.12 12	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.10 15	>999	240	Weight: 239 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-5 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 4-2-1 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 12=0-3-8, 2=0-3-1, 18=0-3-8
Max Horz 2=145(LC 9)
Max Uplift 12=-47(LC 12), 2=-701(LC 24), 18=-204(LC 12)
Max Grav 12=1136(LC 1), 18=2822(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-225/1780, 3-4=-310/2079, 5-6=-890/134, 6-7=-2555/226, 7-8=-2555/226,
8-9=-1811/218, 9-10=-1442/175
BOT CHORD 2-19=-1558/85, 18-19=-1558/85, 17-18=-1915/201, 15-16=-106/931, 14-15=-206/1858,
13-14=-147/1253, 12-13=-153/1027
WEBS 4-18=-2093/311, 4-17=-193/2023, 5-17=-1271/189, 5-16=-107/1400, 6-16=-1150/151,
6-15=-167/1868, 7-15=-377/104, 8-15=-58/848, 8-14=-749/155, 9-14=-60/749,
10-13=0/349, 10-12=-1412/178, 3-18=-353/144

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCp=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 13-0-0, Zone2 13-0-0 to 17-1-8, Zone1 17-1-8 to 35-7-0, Zone3 35-7-0 to 38-11-0, Zone1 38-11-0 to 41-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 2=701, 18=204.



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

September 18,2024

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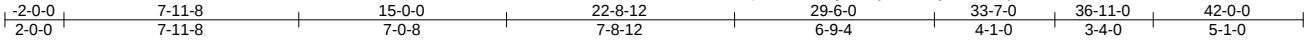
Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031755
6242611	A05	ROOF SPECIAL	1	1		
Job Reference (optional)						

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

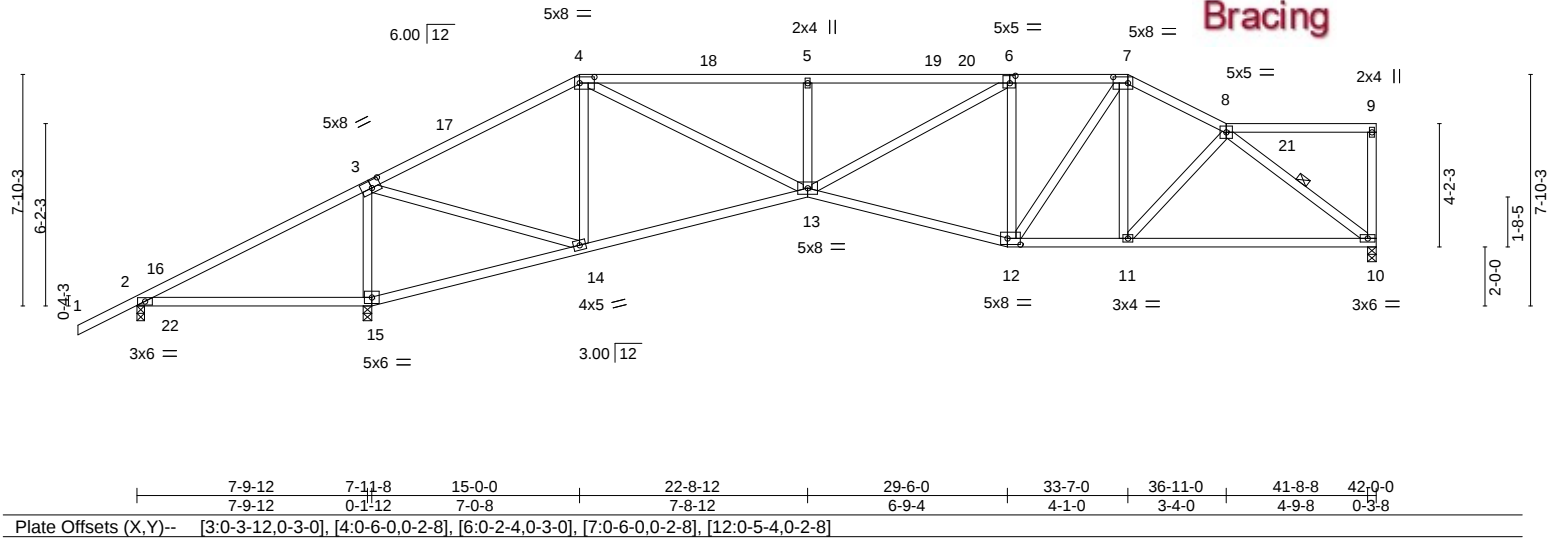
Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:48 2024 Page 1

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Scale = 1:78.1



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.75	Vert(LL)	-0.16 10-11	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.73	Vert(CT)	-0.34 10-11	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.55	Horz(CT)	0.11 10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.14 2-15	>672	240	Weight: 233 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
4-6,1-3: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-8-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-11 oc bracing.
WEBS 1 Row at midpt 8-10

REACTIONS.

(size) 10=0-3-8, 2=0-3-1, 15=0-3-8
Max Horz 2=175(LC 9)
Max Uplift 10=-52(LC 12), 2=-353(LC 24), 15=-181(LC 12)
Max Grav 10=1216(LC 1), 15=2396(LC 1)

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

TOP CHORD 2-3=-287/1317, 3-4=-921/129, 4-5=-2327/249, 5-6=-2327/249, 6-7=-1641/234, 7-8=-1550/207
BOT CHORD 2-15=-1066/107, 14-15=-1148/128, 13-14=-140/742, 12-13=-224/1698, 11-12=-168/1345, 10-11=-191/1288
WEBS 3-15=-1965/356, 3-14=-181/1904, 4-14=-840/202, 4-13=-184/1819, 5-13=-490/148, 6-13=-91/827, 6-12=-739/159, 7-12=-72/561, 8-10=-1600/195

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 33-7-0, Zone3 33-7-0 to 36-11-0, Zone1 36-11-0 to 41-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 2=353, 15=181.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
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8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:49 2024 Page 1
ID:SuQVa2bJoYHiVzRq1hrHKbvlAWH-t?r50aVhKl4B4sz19KKbD6tunD ?0VErkF999vcjG

-2-0-0	7-11-8	12-8-9	17-0-0	22-8-12	29-6-0	31-7-0	34-11-0	41-10-10	42-0-0
2-0-0	7-11-8	4-9-1	4-3-7	5-8-12	6-9-4	2-1-0	3-4-0	6-11-10	0-1-6

Scale = 1:78.1

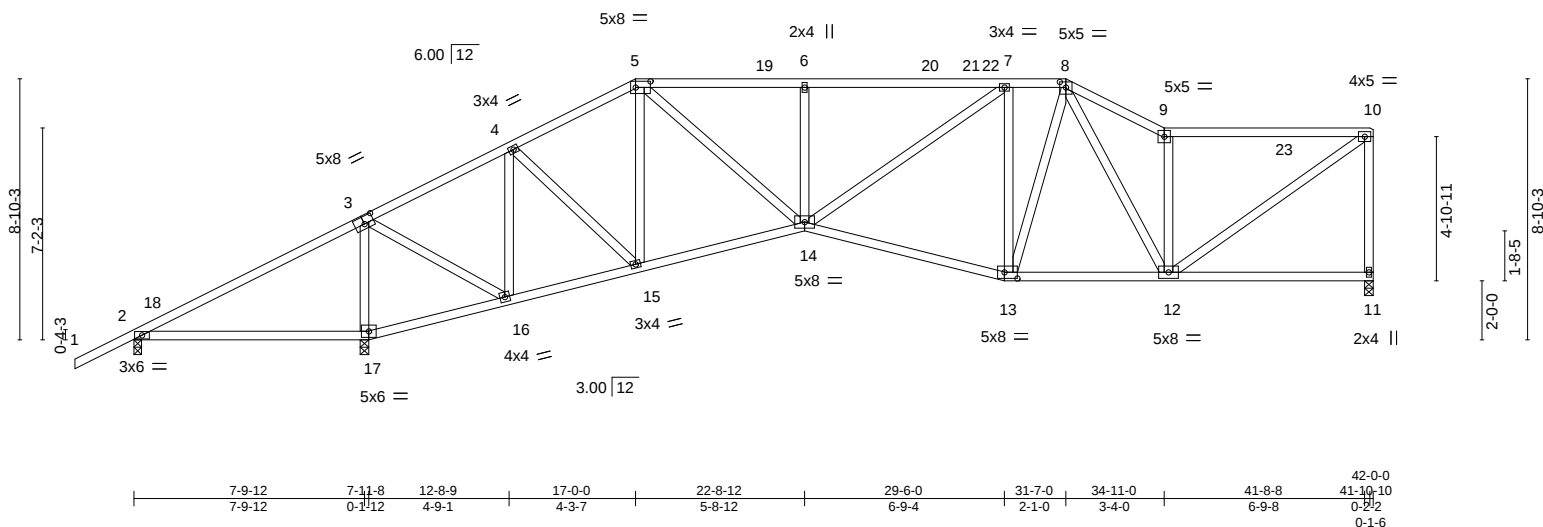


Plate Offsets (X,Y)-- [3:0-4,0,0-3-0], [5:0-6,0,0-2-8], [8:0-2-8,0,2-4], [13:0-5-4,0-2-8]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.13	2-17	>706	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.30	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.08	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.06	14	>999	240	Weight: 256 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied, except end verticals.
Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-0-0 oc bracing: 2-17
5-6-4 oc bracing: 16-17.

REACTIONS.

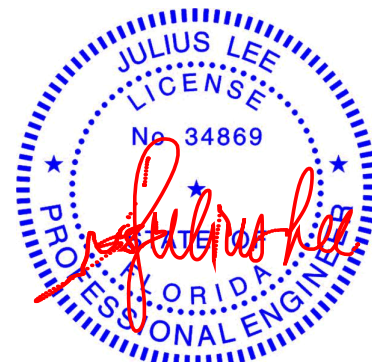
(size) 2=0-3-1, 17=0-3-8, 11=0-3-8
 Max Horz 2=205(LC 9)
 Max Uplift 2=-266(LC 24), 17=-107(LC 12), 11=-54(LC 12)
 Max Grav 2=46(LC 9), 17=2306(LC 1), 11=1233(LC 1)

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

TOP CHORD	2-3=-307/1160, 3-4=-531/110, 4-5=-1152/182, 5-6=-1896/250, 6-7=-1896/250, 7-8=-1431/245, 8-9=-1624/284, 9-10=-1368/205, 10-11=-1167/188
BOT CHORD	1-7=-932/120, 16-17=-1081/142, 15-16=-166/425, 14-15=-221/1008, 13-14=-243/1475, 12-13=-208/1288
WEBS	3-17=-1899/345, 3-16=-216/1627, 4-15=-74/796, 5-15=-573/125, 5-14=-136/1225, 6-14=-415/132, 7-14=-103/634, 7-13=-713/194, 8-13=-74/550, 9-12=-1043/237, 10-12=-169/1646, 4-16=-1067/203

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl.; GCpi=0.18; MWFRS (directional) and C-C Zone3 2-0-0 to 1-0-0, Zone1 1-0-0 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 31-7-0, Zone3 31-7-0 to 34-11-0, Zone1 34-11-0 to 41-10-4 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0Psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=266, 17=107.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
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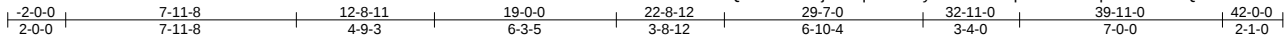
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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031757
6242611	A07	Roof Special	1	1		

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

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:50 2024 Page 1

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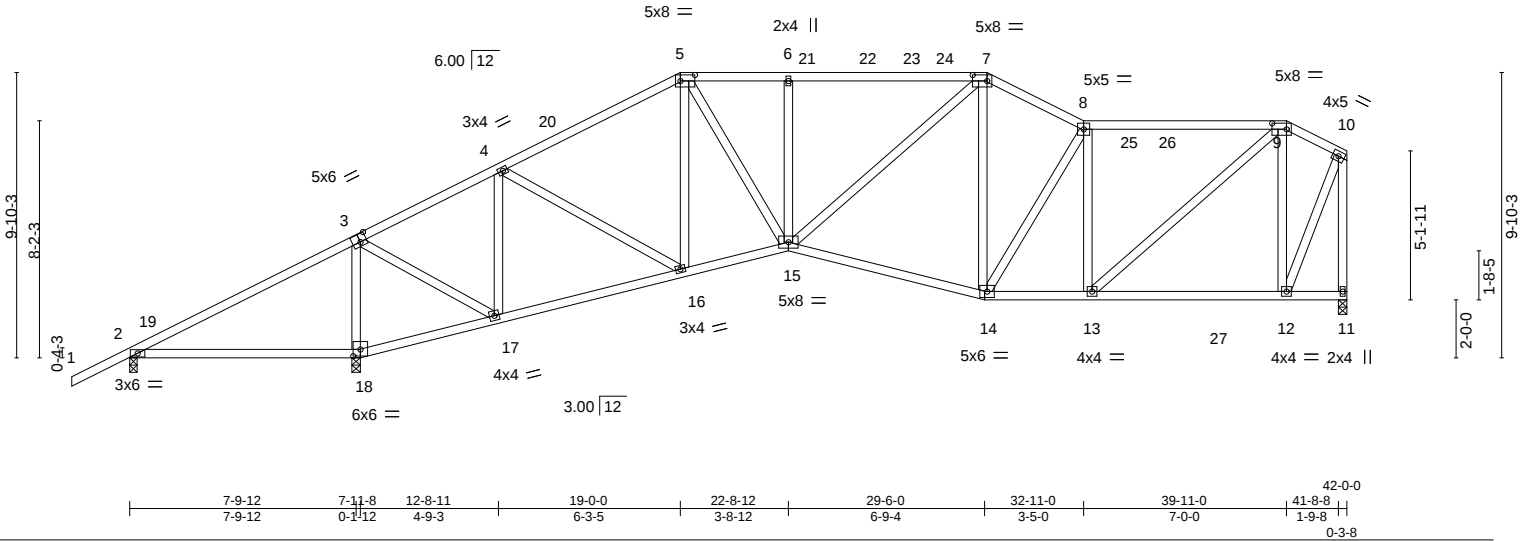


Plate Offsets (X,Y)--		[3:0-2-12,0-3-4], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8], [9:0-6-0,0-2-8], [18:0-3-0,0-2-12]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.15	TC 0.89
TCDL 10.0	Lumber DOL	1.15	BC 0.72
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.57
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.15 14-15 >999 360
			Vert(CT) -0.32 14-15 >999 240
			Horz(CT) 0.08 11 n/a n/a
			Wind(LL) 0.05 15 >999 240
			PLATES GRIP
			MT20 244/190
			Weight: 270 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 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
4-3-8 oc bracing: 2-18
5-11-0 oc bracing: 17-18.

REACTIONS.

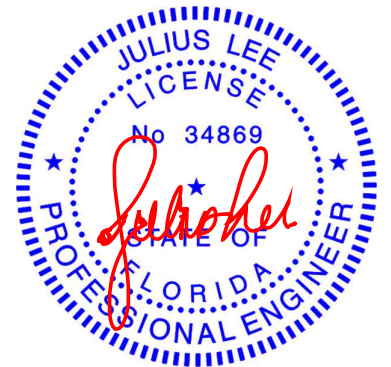
(size) 2=0-3-1, 18=0-3-8, 11=0-3-8
Max Horz 2=220(LC 11)
Max Uplift 2=163(LC 24), 18=101(LC 12), 11=55(LC 12)
Max Grav 2=72(LC 23), 18=2450(LC 17), 11=1374(LC 19)

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

TOP CHORD 2-3=-288/1100, 3-4=-719/128, 4-5=-1506/207, 5-6=-1772/265, 6-7=-1772/265,
7-8=-1568/260, 8-9=-1510/235, 9-10=-591/140, 10-11=-1407/158
BOT CHORD 2-18=-868/117, 17-18=-945/131, 16-17=-176/687, 15-16=-238/1373, 14-15=-226/1453,
13-14=-224/1526, 12-13=-110/493
WEBS 3-18=-2001/337, 3-17=-209/1707, 4-17=-1034/221, 4-16=-76/800, 5-16=-407/114,
5-15=-113/943, 6-15=-381/122, 7-15=-101/572, 8-14=-326/89, 8-13=-711/158,
9-13=-146/1338, 9-12=-928/237, 10-12=-163/1265

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-0-0, Zone2 19-0-0 to 23-2-15, Zone1 23-2-15 to 29-7-0, Zone3 29-7-0 to 32-11-0, Zone1 32-11-0 to 39-11-0, Zone3 39-11-0 to 41-10-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=163, 18=101.



Julius Lee PE No. 34869
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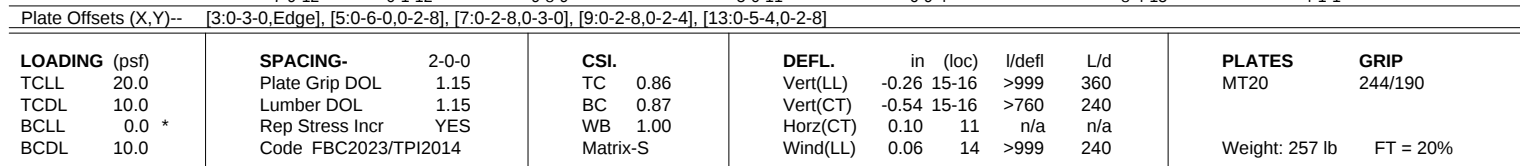
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:50 2024 Page 1

ID: SuQVa2bJoYHjVzRq1hrHKbYlAWH-LCRpIaMa7S2TxEr9bsrZ7Qe3ZAWskMcN3O_jiycjkf

2-0-0	7-11-8	12-9-0	17-8-1	22-8-12	23-7-0	29-6-0	33-8-5	37-10-15	42-0-0
2-0-0	7-11-8	4-9-8	4-11-1	5-0-11	0-10-4	5-11-0	4-2-5	4-2-10	4-1-1

Scale = 1:81.0



REACTIONS. (size) 2=0-3-1, 16=0-3-8, 11=0-3-8
Max Horz 2=209(LC 11)
Max Uplift 2=-155(LC 24), 16=-104(LC 12), 11=-55(LC 12)
Max Grav 2=49(LC 9), 16=2435(LC 17), 11=1385(LC 18)

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

TOP CHORD 2-3=-244/1024, 3-4=-153/962, 4-5=-1470/142, 5-6=-2041/208, 6-7=-2040/208,
7-8=-1552/189, 8-9=-789/142, 9-10=-915/135, 10-11=-1373/119

BOT CHORD 2-16=-810/87, 15-16=-188/664, 14-15=-191/1347, 13-14=-192/1645, 12-13=-163/1228

WEBS 3-16=-434/151, 4-16=-2291/258, 4-15=-10/899, 5-15=-453/116, 5-14=-112/1123,
6-14=-389/115, 7-14=-97/629, 7-13=-702/155, 8-13=-25/674, 8-12=-893/108,
10-12=-86/1178

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

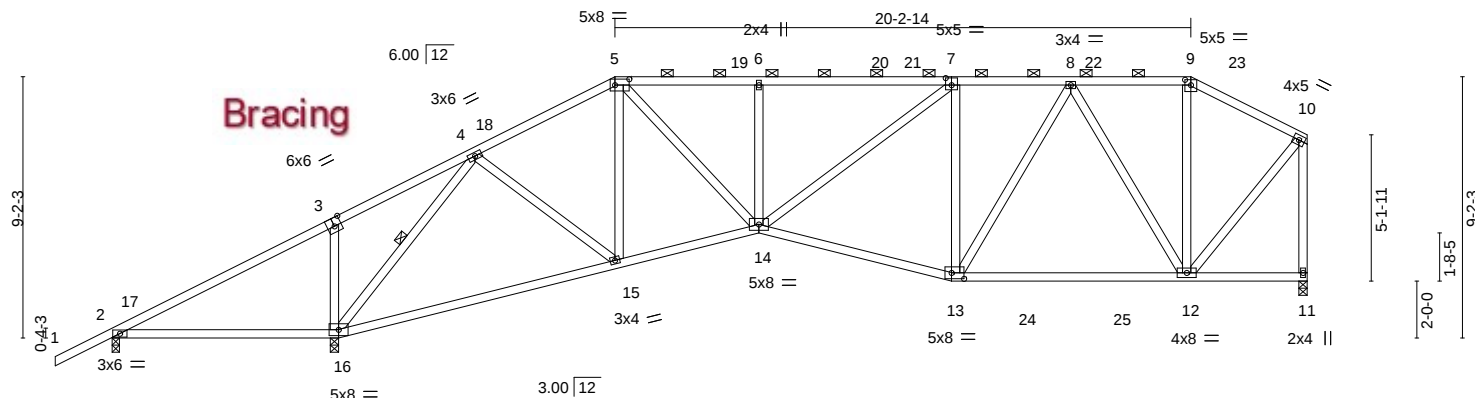
September 18, 2024

⚠️ 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. Be sure to verify the applicability of design parameters and property values to the design prior to the design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and D58-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

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-2-0-0	7-11-8	12-9-0	17-8-1	22-8-12	23-7-0	29-6-0	33-8-5	37-10-15	42-0-0
2-0-0	7-11-8	4-9-8	4-11-1	5-0-11	0-10-4	5-11-0	4-2-5	4-2-10	4-1-1

Scale = 1:81.0



7-9-12	7-11-8	17-8-1	22-8-12	29-6-0	37-10-15	42-0-0
7-9-12	0-1-12	9-8-9	5-0-11	6-9-4	8-4-15	4-1-1

Plate Offsets (X,Y)-- [3:0-3:0,Edge], [5:0-6:0,0-2-8], [7:0-2-8,0-3-0], [9:0-2-8,0-2-4], [13:0-5-4,0-2-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.26 15-16 >999 360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.54 15-16 >760 240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.10 11 n/a n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.06 14 >999 240	Weight: 257 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 4-6-13 oc purlins, except end verticals, and 2-0-0 oc purlins (3-7-6 max.): 5-9.	
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 4-11-11 oc bracing: 2-16.	
WEBS	1 Row at midpt	4-16

REACTIONS.

(size) 2=0-3-1, 16=0-3-8, 11=0-3-8
 Max Horz 2=209(LC 11)
 Max Uplift 2=-155(LC 24), 16=-104(LC 12), 11=-55(LC 12)
 Max Grav 2=49(LC 9), 16=2435(LC 17), 11=1385(LC 18)

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

TOP CHORD 2-3=-244/1024, 3-4=-153/962, 4-5=-1470/142, 5-6=-2041/208, 6-7=-2040/208,
7-8=-1552/189, 8-9=-789/142, 9-10=-915/135, 10-11=-1373/119
BOT CHORD 2-16=-801/87, 15-16=-188/664, 14-15=-191/1347, 13-14=-192/1645, 12-13=-163/1228
WEBS 3-16=-434/151, 4-16=-2291/258, 4-15=-10/899, 5-15=-453/116, 5-14=-112/1123,
6-14=-389/115, 7-14=-97/629, 7-13=-702/155, 8-13=-25/674, 8-12=-893/108,
10-12=-86/1178

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl.; GCp=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-8-1, Zone2 17-8-1 to 21-10-15, Zone1 21-10-15 to 37-10-15, Zone3 37-10-15 to 41-10-4 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=155, 16=104.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

September 18, 2024

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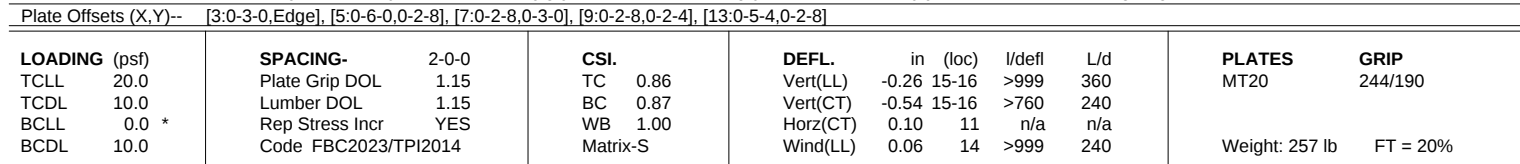
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:51 2024 Page 1

ID: SuQVa2bJoYHjVzRq1hrHKbyIAWH-pO_BVibmDLboQN?L9aMogeBEJas57psXl2KeGE2ycJkE

2-0-0	7-11-8	12-9-0	17-8-1	22-8-12	23-7-0	29-6-0	33-8-5	37-10-15	42-0-0
2-0-0	7-11-8	4-9-8	4-11-1	5-0-11	0-10-4	5-11-0	4-2-5	4-2-10	4-1-1

Scale = 1:81.0



REACTIONS. (size) 2=0-3-1, 16=0-3-8, 11=0-3-8
Max Horz 2=209(LC 11)
Max Uplift 2=-155(LC 24), 16=-104(LC 12), 11=-55(LC 12)
Max Grav 2=49(LC 9), 16=2435(LC 17), 11=1385(LC 18)

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

TOP CHORD 2-3=-244/1024, 3-4=-153/962, 4-5=-1470/142, 5-6=-2041/208, 6-7=-2040/208,
7-8=-1552/189, 8-9=-789/142, 9-10=-915/135, 10-11=-1373/119

BOT CHORD 2-16=-810/87, 15-16=-188/664, 14-15=-191/1347, 13-14=-192/1645, 12-13=-163/1228

WEBS 3-16=-434/151, 4-16=-2291/258, 4-15=-10/899, 5-15=-453/116, 5-14=-112/1123,
6-14=-389/115, 7-14=-97/629, 7-13=-702/155, 8-13=-25/674, 8-12=-893/108,
10-12=-86/1178

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-8-1, Zone2 17-8-1 to 21-10-15, Zone1 21-10-15 to 37-10-15, Zone3 37-10-15 to 41-10-4 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=155, 16=104.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

September 18, 2024



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Job 6242611	Truss A11	Truss Type PIGGYBACK BASE	Qty 1	Ply 1	2169A 2Car Frame	T35031761
Job Reference (optional)						

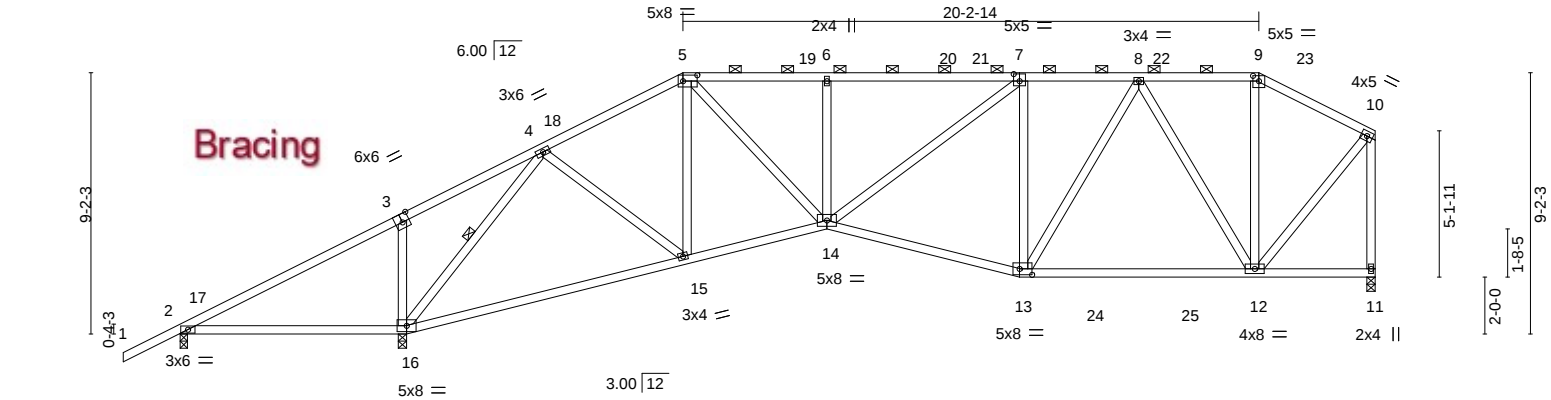
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:52 2024 Page 1

ID: SuQVa2bJoYHjVzRq1hrHKbylAWH-HaYaj2cO_ffj2XaYjHt1DrjP3_BKCG6gXiTqmUycjKD

-2-0-0	7-11-8	12-9-0	17-8-1	22-8-12	23-7-0	29-6-0	33-8-5	37-10-15	42-0-0
2-0-0	7-11-8	4-9-8	4-11-1	5-0-11	0-10-4	5-11-0	4-2-5	4-2-10	4-1-1

Scale = 1:81.0



	7-9-12	7-11-8	17-8-1	22-8-12	29-6-0	37-10-15	42-0-0
	7-9-12	0-1-12	9-8-9	5-0-11	6-9-4	8-4-15	4-1-1
Plate Offsets (X,Y)--	[3:0-3-0,Edge], [5:0-6-0,0-2-8], [7:0-2-8,0-3-0], [9:0-2-8,0-2-4], [13:0-5-4,0-2-8]						

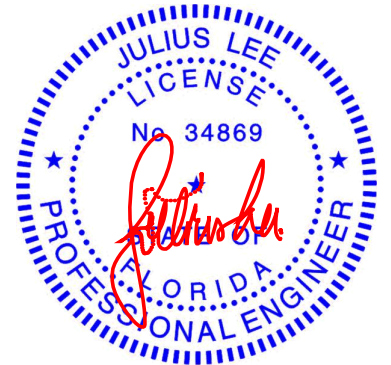
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.86	Vert(LL)	-0.26 15-16	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.87	Vert(CT)	-0.54 15-16	>760	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 1.00	Horz(CT)	0.10 11	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.06 14	>999	240	Weight: 257 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-6-13 oc purlins, except end verticals, and 2-0-0 oc purlins (3-7-6 max.): 5-9.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.2	WEBS 4-11-11 oc bracing: 2-16.
	1 Row at midpt 4-16

REACTIONS.	(size) 2=0-3-1, 16=0-3-8, 11=0-3-8
Max Horz	2=209(LC 11)
Max Uplift	2=155(LC 24), 16=-104(LC 12), 11=-55(LC 12)
Max Grav	2=49(LC 9), 16=2435(LC 17), 11=1385(LC 18)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-244/1024, 3-4=-153/962, 4-5=-1470/142, 5-6=-2041/208, 6-7=-2040/208, 7-8=-1552/189, 8-9=-789/142, 9-10=-915/135, 10-11=-1373/119
BOT CHORD	2-16=-810/87, 15-16=-188/664, 14-15=-191/1347, 13-14=-192/1645, 12-13=-163/1228
WEBS	3-16=-434/151, 4-16=-2291/258, 4-15=-10/899, 5-15=-453/116, 5-14=-112/1123, 6-14=-389/115, 7-14=-97/629, 7-13=-702/155, 8-13=-25/674, 8-12=-893/108, 10-12=-86/1178

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-8-1, Zone2 17-8-1 to 21-10-15, Zone1 21-10-15 to 37-10-15, Zone3 37-10-15 to 41-10-4 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=155, 16=104.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

September 18,2024

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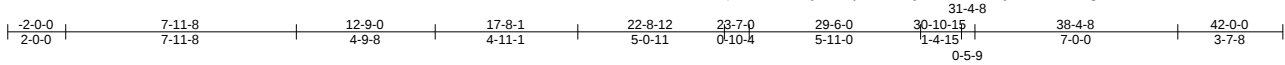
Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031762
6242611	A12	Piggyback Base	1	1		

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

Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:53 2024 Page 1

ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-mn6ywoD0lZrWgh9kG?OGI3GZJOYSxo2qlMDNIwycjkC



Scale = 1:79.5

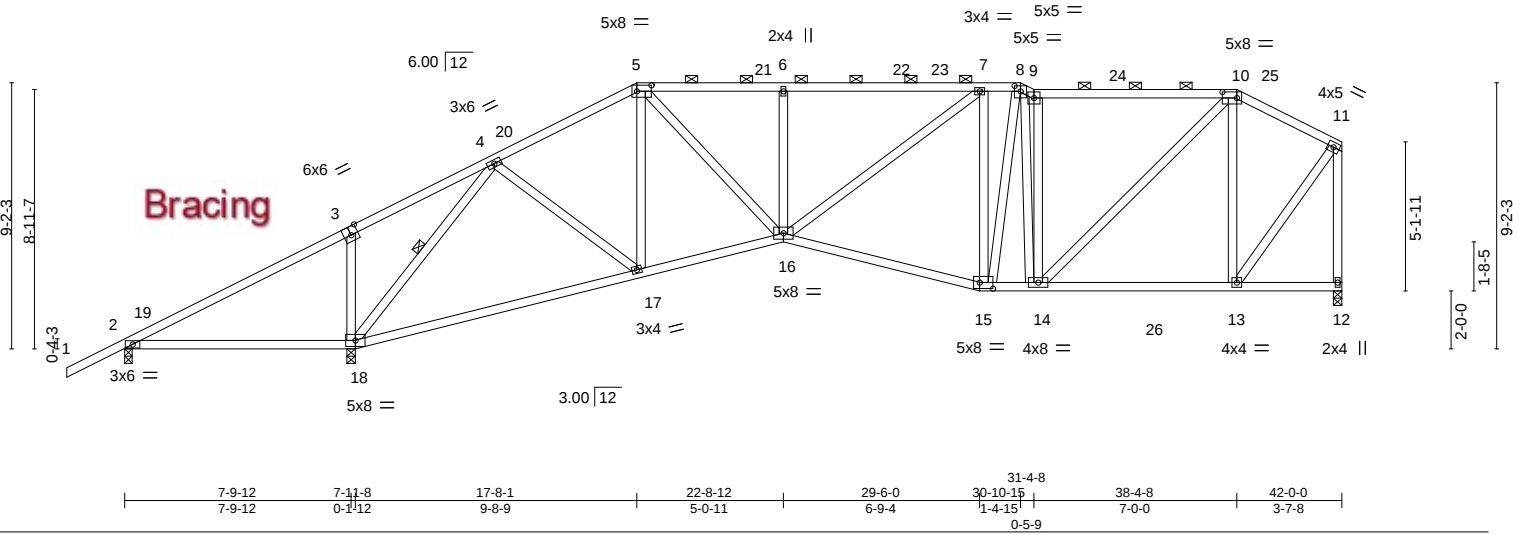


Plate Offsets (X,Y)-- [3:0-3-0,Edge], [5:0-6-0,0-2-8], [8:0-2-8,0-2-4], [10:0-6-0,0-2-8], [15:0-5-8,0-2-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.96	Vert(LL)	-0.26 17-18	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.81	Vert(CT)	-0.54 17-18	>755	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.69	Horz(CT)	0.10 12	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.06 16	>999	240	Weight: 276 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 4-4-1 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 5-8, 9-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 4-10-5 oc bracing: 2-18.
WEBS 1 Row at midpt 4-18

REACTIONS. (size) 2=0-3-1, 18=0-3-8, 12=0-3-8
Max Horz 2=209(LC 11)
Max Uplift 2=173(LC 24), 18=107(LC 12), 12=54(LC 12)
Max Grav 2=50(LC 9), 18=2451(LC 17), 12=1379(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-282/1058, 3-4=-193/996, 4-5=-1447/168, 5-6=-2017/280, 6-7=-2017/280, 7-8=-1524/224, 8-9=-1629/255, 9-10=-1463/210, 10-11=-842/157, 11-12=-1356/194
BOT CHORD 2-18=-841/117, 17-18=-197/636, 16-17=-221/1323, 15-16=-253/1611, 14-15=-222/1474, 13-14=-138/708
WEBS 3-18=-435/150, 4-18=-2301/337, 4-17=-36/903, 5-17=-462/136, 5-16=-151/1117, 6-16=-393/127, 7-16=-92/642, 7-15=-637/192, 8-15=-87/393, 8-14=-92/306, 9-14=-890/221, 10-14=-121/1086, 10-13=-725/201, 11-13=-150/1179

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-8-1, Zone2 17-8-1 to 21-10-15, Zone1 21-10-15 to 30-10-15, Zone3 30-10-15 to 31-4-8, Zone1 31-4-8 to 38-4-8, Zone3 38-4-8 to 41-10-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 2=173, 18=107.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

September 18, 2024

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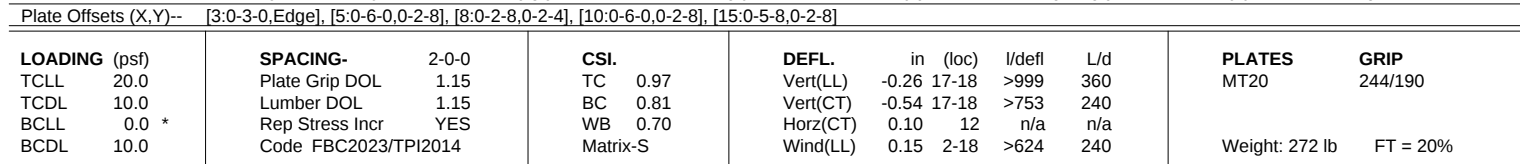
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:53 2024 Page 1

ID: SuQVa2bJoYHjVzRq1hrHKbyIAWH-mn6ywOd0lZrVgh9kG?OGI3GY90YYxo?zqIMDNlwyjcK

-2-0-0	7-11-8	12-9-0	17-8-1	22-8-12	23-7-0	29-6-0	30-10-15	33-4-8	40-4-8	42-0-0
2-0-0	7-11-8	4-9-8	4-11-1	5-0-11	0-10-4	5-11-0	1-4-15	2-5-9	7-0-0	1-7-8

Scale = 1:79



REACTIONS. (size) 2=0-3-1, 18=0-3-8, 12=0-3-8
Max Horz 2=209(LC 11)
Max Uplift 2=-194(LC 24), 18=-180(LC 12), 12=-53(LC 12)
Max Grav 2=44(LC 23), 18=2413(LC 17), 12=1368(LC 19)

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

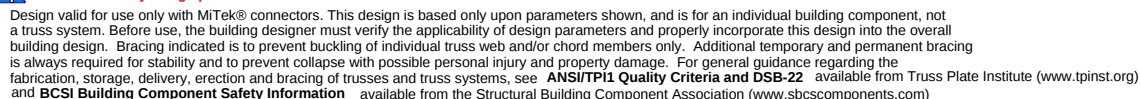
TOP CHORD 2-3=-289/1103, 3-4=-193/1044, 4-5=-1417/166, 5-6=-1978/262, 6-7=-1978/262,
7-8=-1512/240, 8-9=-1767/281, 9-10=-1513/212, 10-11=-490/126, 11-12=-1424/138

BOT CHORD 2-18=-889/121, 17-18=-192/607, 16-17=-218/1298, 15-16=-243/1583, 14-15=-211/1422,
13-14=-98/411

WEBS 3-18=-436/165, 4-18=-2319/320, 4-17=-33/913, 5-17=-472/142, 5-16=-147/1108,
6-16=-392/126, 7-16=-96/637, 7-15=-752/218, 8-15=-100/578, 8-14=-94/367,
9-14=-1047/229, 10-14=-153/1425, 10-13=-1001/253, 11-13=-166/1313

-

September 18, 2024



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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031764
6242611	A14	PIGGYBACK BASE	1	1		
Job Reference (optional)						

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

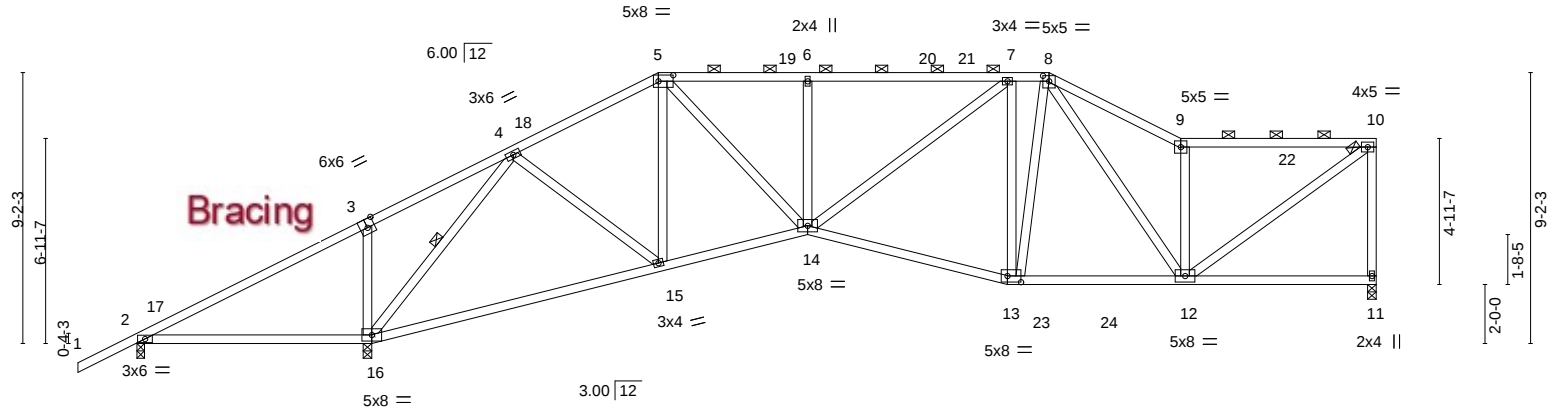
Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:54 2024 Page 1

ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-EzgK8kdeWGzMRkwqivVIGplGoujgFCz_OywrNycjkB

-2-0-0	7-11-8	12-9-0	17-8-1	22-8-12	23-7-0	29-6-0	30-10-15	35-4-8	42-0-0
2-0-0	7-11-8	4-9-8	4-11-1	5-0-11	0-10-4	5-11-0	1-4-15	4-5-9	6-7-8

Scale = 1:78.1



	7-9-12	7-11-8	17-8-1	22-8-12	29-6-0	30-10-15	35-4-8	42-0-0
	7-9-12	0-1-12	9-8-9	5-0-11	6-9-4	1-4-15	4-5-9	6-7-8
Plate Offsets (X,Y)--	[3:0-3-0,Edge], [5:0-6-0,0-2-8], [8:0-2-8,0-2-4], [13:0-5-8,0-2-8]							

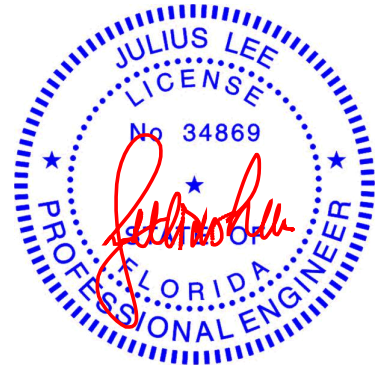
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.88	Vert(LL)	-0.26 15-16	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.81	Vert(CT)	-0.54 15-16	>753	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.70	Horz(CT)	0.10 11	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.06 14	>999	240	Weight: 254 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-2-6 oc purlins, except end verticals, and 2-0-0 oc purlins (2-10-4 max.): 5-8, 9-10.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.2	WEBS 4-8-2 oc bracing: 2-16.
	1 Row at midpt 4-16

REACTIONS.	(size) 11=0-3-8, 2=0-3-1, 16=0-3-8
	Max Horz 2=206(LC 11)
	Max Uplift 11=-54(LC 12), 2=-191(LC 24), 16=-107(LC 12)
	Max Grav 11=1361(LC 19), 2=46(LC 23), 16=2472(LC 17)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-280/1103, 3-4=-190/1041, 4-5=-1422/183, 5-6=-1989/261, 6-7=-1989/261, 7-8=-1542/260, 8-9=-1847/310, 9-10=-1563/217, 10-11=-1263/186
BOT CHORD	2-16=-891/131, 15-16=-204/609, 14-15=-223/1302, 13-14=-237/1607, 12-13=-208/1441
WEBS	3-16=-435/150, 4-16=-2318/325, 4-15=-30/918, 5-15=-470/131, 5-14=-138/1124, 6-14=-392/127, 7-14=-103/630, 7-13=-744/208, 8-13=-82/598, 8-12=-92/300, 9-12=-1100/259, 10-12=-173/1858

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-8-1, Zone2 17-8-1 to 21-10-15, Zone1 21-10-15 to 30-10-15, Zone3 30-10-15 to 35-4-8, Zone1 35-4-8 to 41-10-4 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=191, 16=107.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

September 18,2024

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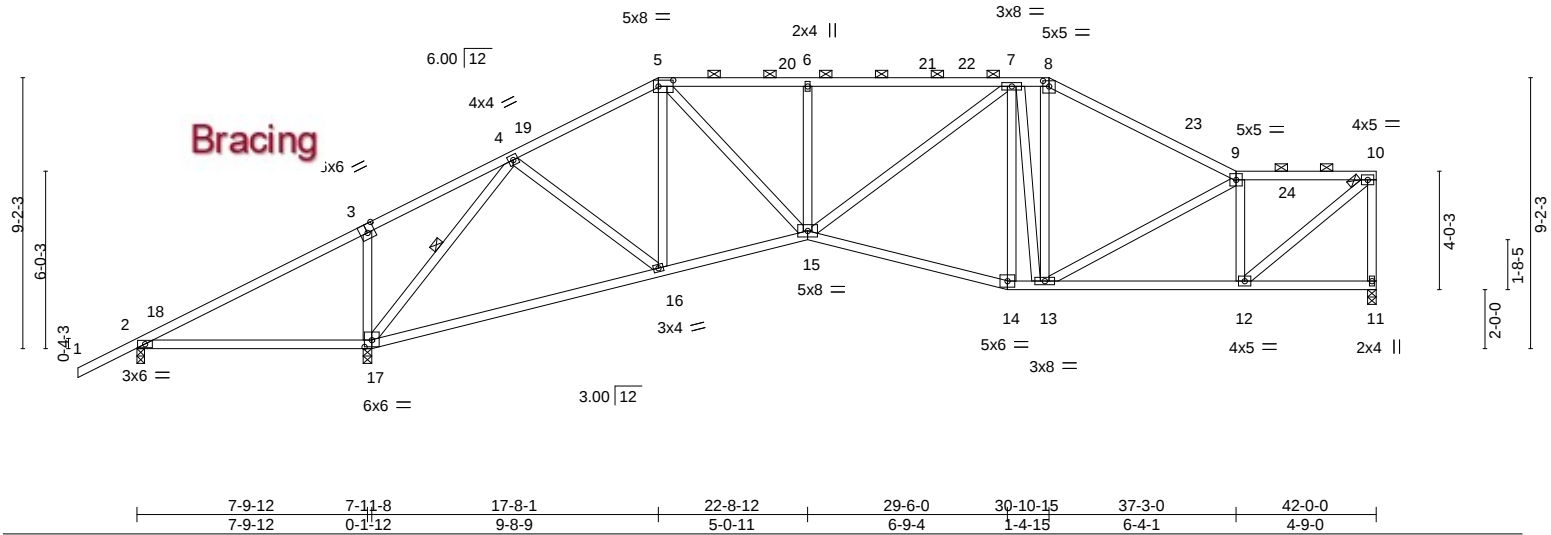
MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031765
6242611	A15	PIGGYBACK BASE	1	1		
Job Reference (optional)						

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:55 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-i9EiL4eGHa5Dv?J6OQQkqULw7BEKPi36DgiUNpycjK

Scale = 1:78.1



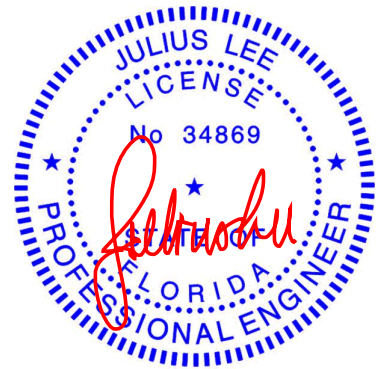
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.87	Vert(LL)	-0.26 16-17	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.79	Vert(CT)	-0.54 16-17	>755	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.66	Horz(CT)	0.10 11	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.06 15	>999	240	Weight: 257 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-14 oc purlins, except end verticals, and 2-0-0 oc purlins (3-7-7 max.): 5-8, 9-10.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.2	WEBS 5-9-15 oc bracing: 2-17.
	1 Row at midpt 4-17

REACTIONS.	(size) 11=0-3-8, 2=0-3-1, 17=0-3-8
	Max Horz 2=193(LC 11)
	Max Uplift 11=-54(LC 12), 2=-179(LC 24), 17=-104(LC 12)
	Max Grav 11=1253(LC 1), 2=57(LC 23), 17=2198(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-247/960, 3-4=-158/919, 4-5=-1317/174, 5-6=-1841/265, 6-7=-1841/265, 7-8=-1331/232, 8-9=-1561/210, 9-10=-1326/177, 10-11=-1215/168
BOT CHORD	2-17=-755/111, 16-17=-178/531, 15-16=-188/1146, 14-15=-212/1440, 13-14=-197/1391, 12-13=-180/1364
WEBS	3-17=-435/149, 4-17=-2119/305, 4-16=-19/793, 5-16=-464/123, 5-15=-132/1064, 6-15=-393/127, 7-15=-86/619, 7-14=-273/92, 7-13=-516/87, 8-13=-31/561, 9-12=-979/187, 10-12=-168/1705

- NOTES-
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-8-1, Zone2 17-8-1 to 21-10-15, Zone1 21-10-15 to 30-10-15, Zone2 30-10-15 to 35-1-14, Zone1 35-1-14 to 41-10-4 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
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=179, 17=104.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

September 18,2024

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031766
6242611	A16	PIGGYBACK BASE	1	1		
Job Reference (optional)						

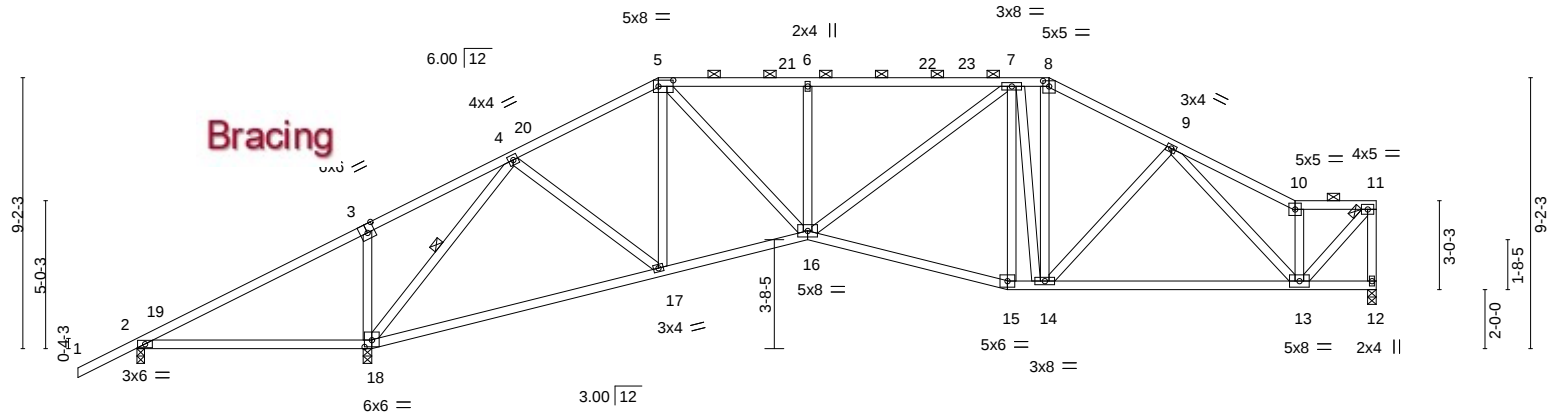
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:55 2024 Page 1

ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-i9EiL4eGHa5Dv?J6OQQkqULwDBEHPI76DgiUNpycjkA

-2-0-0	7-11-8	12-9-0	17-8-1	22-8-12	23-7-0	29-6-0	30-10-15	35-0-10	39-3-0	42-0-0
2-0-0	7-11-8	4-9-8	4-11-1	5-0-11	0-10-4	5-11-0	1-4-15	4-1-11	4-2-6	2-9-0

Scale = 1:78.1



	7-9-12	7-11-8	17-8-1	22-8-12	29-6-0	30-10-15	39-3-0	42-0-0
	7-9-12	0-1-12	9-8-9	5-0-11	6-9-4	1-4-15	8-4-1	2-9-0
Plate Offsets (X,Y)--	[3:0-3-0,Edge], [5:0-6-0,0-2-8], [8:0-2-8,0-2-4], [18:0-3-0,0-2-12]							

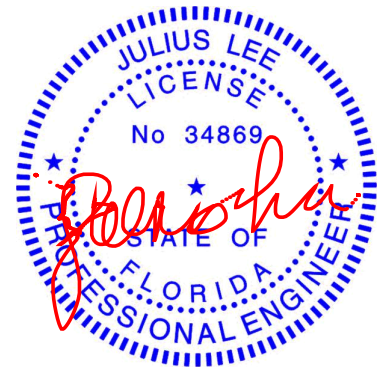
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.87	Vert(LL)	-0.26 17-18	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.79	Vert(CT)	-0.54 17-18	>757	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.66	Horz(CT)	0.10 12	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.06 16	>999	240	Weight: 259 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-7-0 oc purlins, except end verticals, and 2-0-0 oc purlins (3-7-7 max.): 5-8, 10-11.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.2	WEBS 5-11-1 oc bracing: 2-18.
	1 Row at midpt 4-18

REACTIONS.	(size) 12=0-3-8, 2=0-3-1, 18=0-3-8
Max Horz	2=179(LC 11)
Max Uplift	12=-54(LC 12), 2=-168(LC 24), 18=-103(LC 12)
Max Grav	12=1256(LC 1), 2=67(LC 23), 18=2184(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-217/935, 3-4=-127/894, 4-5=-1328/174, 5-6=-1851/264, 6-7=-1850/264, 7-8=-1332/219, 8-9=-1540/214, 9-10=-1305/166, 10-11=-1086/114, 11-12=-1263/126
BOT CHORD	2-18=-732/105, 17-18=-145/546, 16-17=-146/1156, 15-16=-179/1445, 14-15=-165/1397, 13-14=-185/1398
WEBS	3-18=-435/149, 4-18=-2107/282, 4-17=-8/786, 5-17=-459/114, 5-16=-122/1063, 6-16=-392/126, 7-16=-67/624, 7-15=-318/58, 7-14=-498/134, 8-14=-89/639, 9-13=-405/93, 10-13=-752/120, 11-13=-122/1605

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-8-1, Zone2 17-8-1 to 21-10-15, Zone1 21-10-15 to 30-10-15, Zone2 30-10-15 to 35-0-10, Zone1 35-0-10 to 41-10-4 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 2=168, 18=103.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

September 18,2024

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

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031767
6242611	A17	HALF HIP	1	1		
Job Reference (optional)						

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

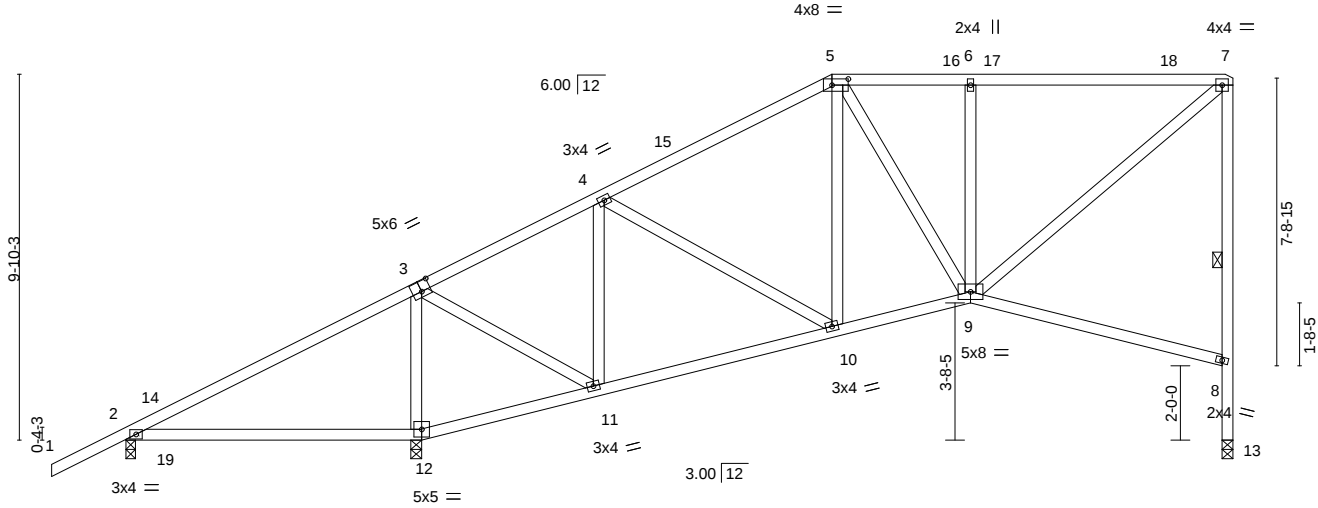
Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:56 2024 Page 1

ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-AMo4ZQfu2tD4X9uJy7yzNhu7fbdU8EUGSKR1vFycjk9

-2-0-0	7-11-8	12-8-11	19-0-0	22-8-12	24-3-5	29-7-0	29-9-8
2-0-0	7-11-8	4-9-3	6-3-5	3-8-12	1-6-9	5-3-11	0-2-8

Scale = 1:62.0



VERTICAL LEGS ARE NOT DESIGNED FOR LATERAL LOADS IMPOSED BY SUPPORTS (BEARINGS).

Plate Offsets (X,Y)--		[3:0-3-0,0-3-4], [5:0-5-4,0-2-0]										
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.14	2-12	>685	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.29	2-12	>322	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.10	13	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.15	2-12	>647	240	Weight: 182 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 5-2-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-13

REACTIONS.

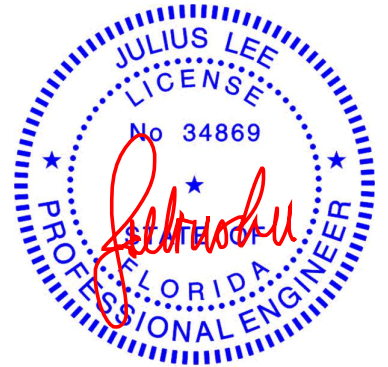
(size) 2=0-3-1, 12=0-3-8, 13=0-3-8
Max Horz 2=303(LC 11)
Max Uplift 2=-135(LC 12), 12=-121(LC 12), 13=-63(LC 9)
Max Grav 2=296(LC 1), 12=1384(LC 1), 13=809(LC 1)

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

TOP CHORD 2-3=-282/416, 3-4=-599/103, 4-5=-786/106, 5-6=-672/99, 6-7=-672/99, 8-13=-809/102, 7-8=-741/166
BOT CHORD 2-12=-281/60, 11-12=-315/74, 10-11=-245/522, 9-10=-266/649
WEBS 3-12=-1179/254, 3-11=-102/827, 4-11=-486/161, 6-9=-378/117, 7-9=-188/858

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-0-0, Zone2 19-0-0 to 23-2-15, Zone1 23-2-15 to 29-7-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 2=135, 12=121.



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

September 18,2024

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

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

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031768
6242611	A18	Half Hip	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:56 2024 Page 1
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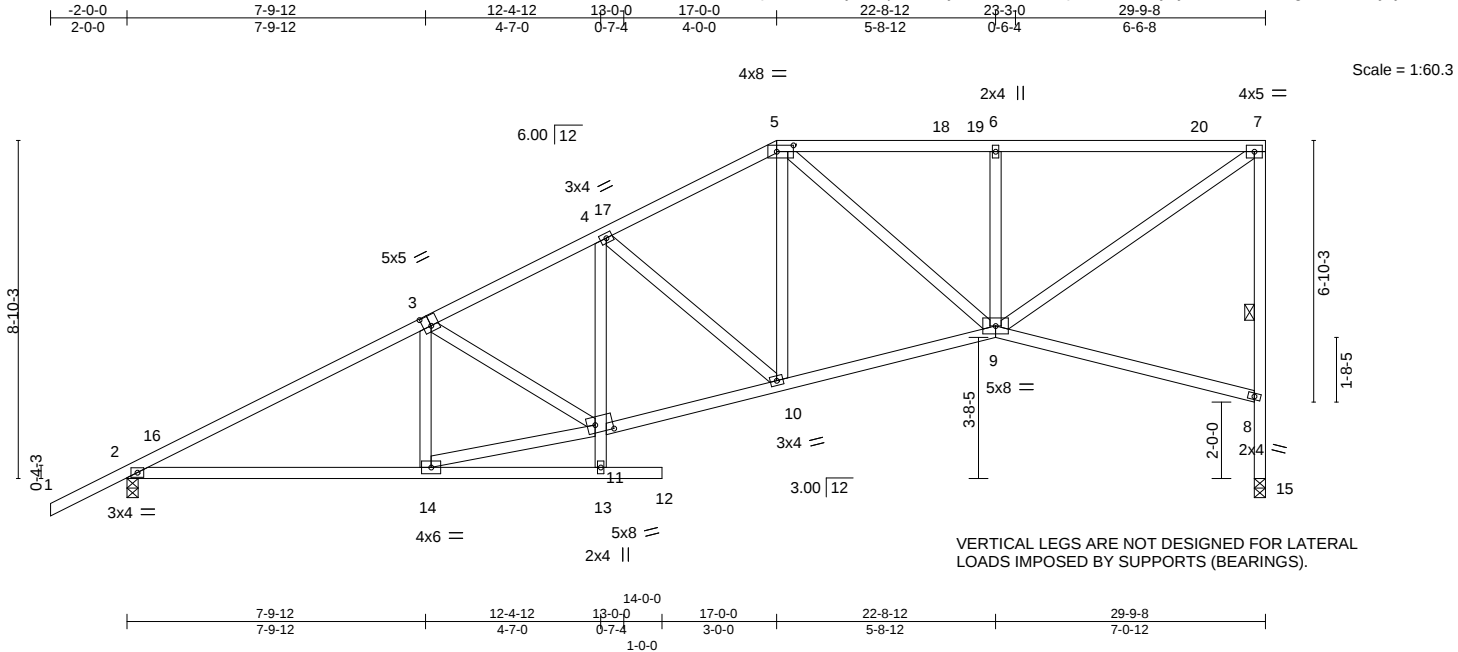


Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [5:0-5-4,0-2-0], [11:0-5-8,0-2-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.12 2-14 >999	360	MT20 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.29 2-14 >999	240	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.16 15 n/a	n/a	
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.06 12 >999	240	Weight: 186 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 9-11-14 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 7-15

REACTIONS.	(size) 2=0-3-8, 15=0-3-8
	Max Horz 2=273(LC 11)
	Max Uplift 2=-99(LC 12), 15=-59(LC 9)
	Max Grav 2=1331(LC 1), 15=1190(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2117/117, 3-4=-1975/139, 4-5=-1613/130, 5-6=-1360/145, 6-7=-1360/145, 8-15=-1190/123, 7-8=-1122/187
BOT CHORD	2-14=-324/1792, 10-11=-347/1767, 9-10=-321/1453
WEBS	3-14=-281/159, 11-14=-332/1821, 4-10=-409/79, 5-10=0/497, 6-9=-437/127, 7-9=-247/1637, 4-11=0/260

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 29-7-12 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 15.



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

September 18,2024

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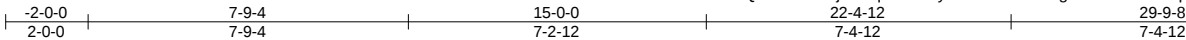
Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031769
6242611	A19	Half Hip	1	1	Job Reference (optional)	

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

Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:57 2024 Page 1

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4x8 =

Scale = 1:55.9

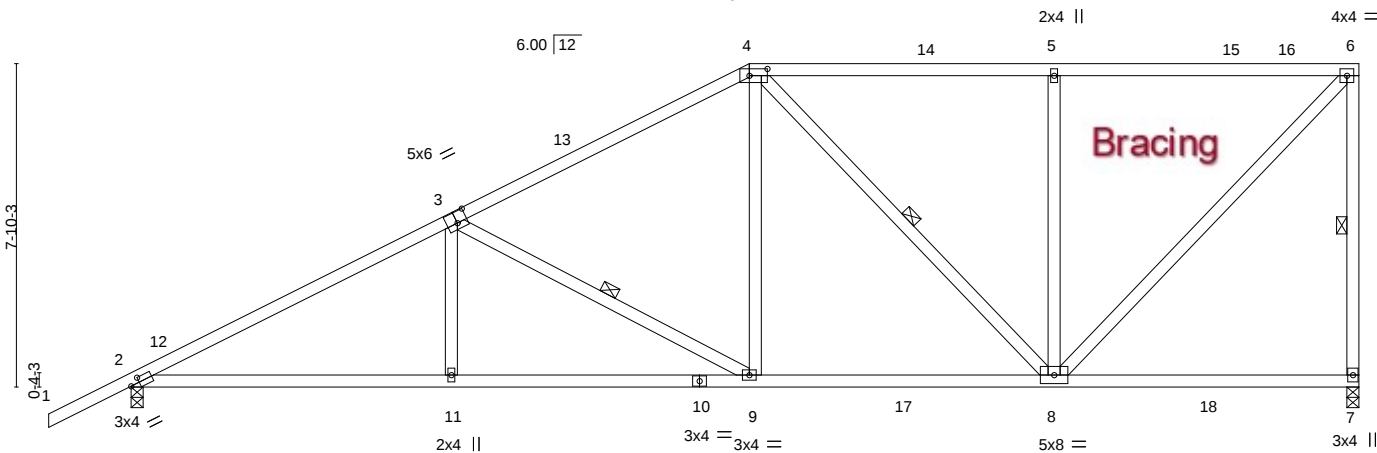


Plate Offsets (X,Y)--	[2:0-2-10,0-1-8], [3:0-3-0,0-3-4], [4:0-5-4,0-2-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.77	Vert(LL)	-0.14	2-11	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.91	Vert(CT)	-0.28	2-11	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.51	Horz(CT)	0.06	7	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.05	9-11	>999		
								Weight: 174 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 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-7, 3-9, 4-8

REACTIONS.

(size) 7=0-3-8, 2=0-3-8
Max Horz 2=240(LC 9)
Max Uplift 7=-65(LC 9), 2=-110(LC 12)
Max Grav 7=1369(LC 17), 2=1456(LC 17)

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

TOP CHORD 2-3=-2358/144, 3-4=-1585/169, 4-5=-1031/172, 5-6=-1031/172, 6-7=-1220/162
BOT CHORD 2-11=-336/2098, 9-11=-338/2092, 8-9=-241/1393
WEBS 3-11=0/330, 3-9=-810/110, 4-9=0/672, 4-8=-475/90, 5-8=-506/148, 6-8=-149/1482

NOTES-

- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 29-7-12 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 2=110.



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

September 18,2024

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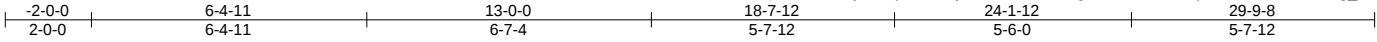
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031770
6242611	A20	Half Hip	1	1		
Job Reference (optional)						

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

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:57 2024 Page 1

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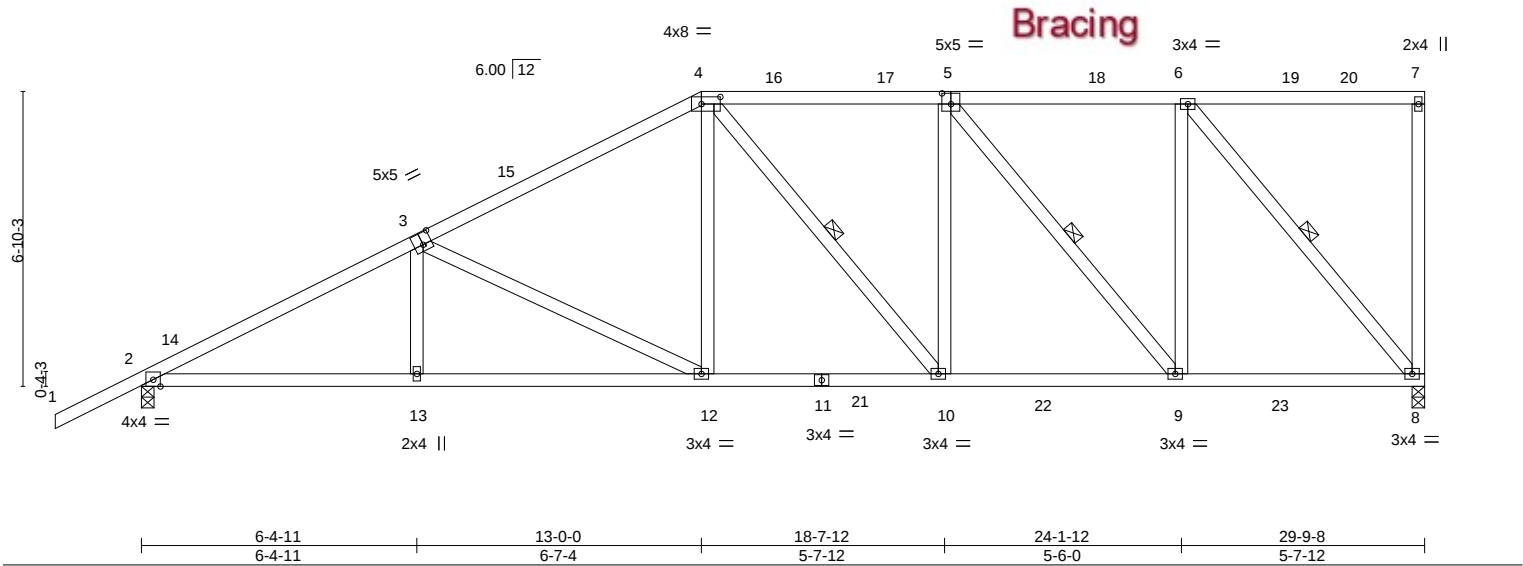


Plate Offsets (X,Y)--		[3:0-2-8,0-3-4], [4:0-5-4,0-2-0], [5:0-2-8,0-3-0]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL 1.15		TC	0.52	Vert(LL)	-0.12	12-13	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL 1.15		BC	0.75	Vert(CT)	-0.23	12-13	>999	240			
BCLL	0.0 *	Rep Stress Incr YES		WB	0.67	Horz(CT)	0.08	8	n/a	n/a			
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.05	12-13	>999	240	Weight: 183 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 3-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-10, 5-9, 6-8

REACTIONS.

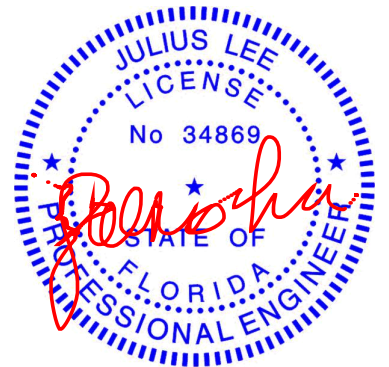
(size) 8=0-3-8, 2=0-3-8
Max Horz 2=210(LC 9)
Max Uplift 8=-58(LC 9), 2=-111(LC 12)
Max Grav 8=1348(LC 17), 2=1461(LC 17)

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

TOP CHORD 2-3=-2450/139, 3-4=-1773/166, 4-5=-1448/178, 5-6=-972/151
BOT CHORD 2-13=-328/2179, 12-13=-330/2173, 10-12=-243/1564, 9-10=-206/1471, 8-9=-149/982
WEBS 3-13=0/282, 3-12=-692/97, 4-12=0/551, 5-10=0/316, 5-9=-773/90, 6-9=0/842, 6-8=-1487/128

NOTES-

- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 29-7-12 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 2=111.



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

September 18,2024

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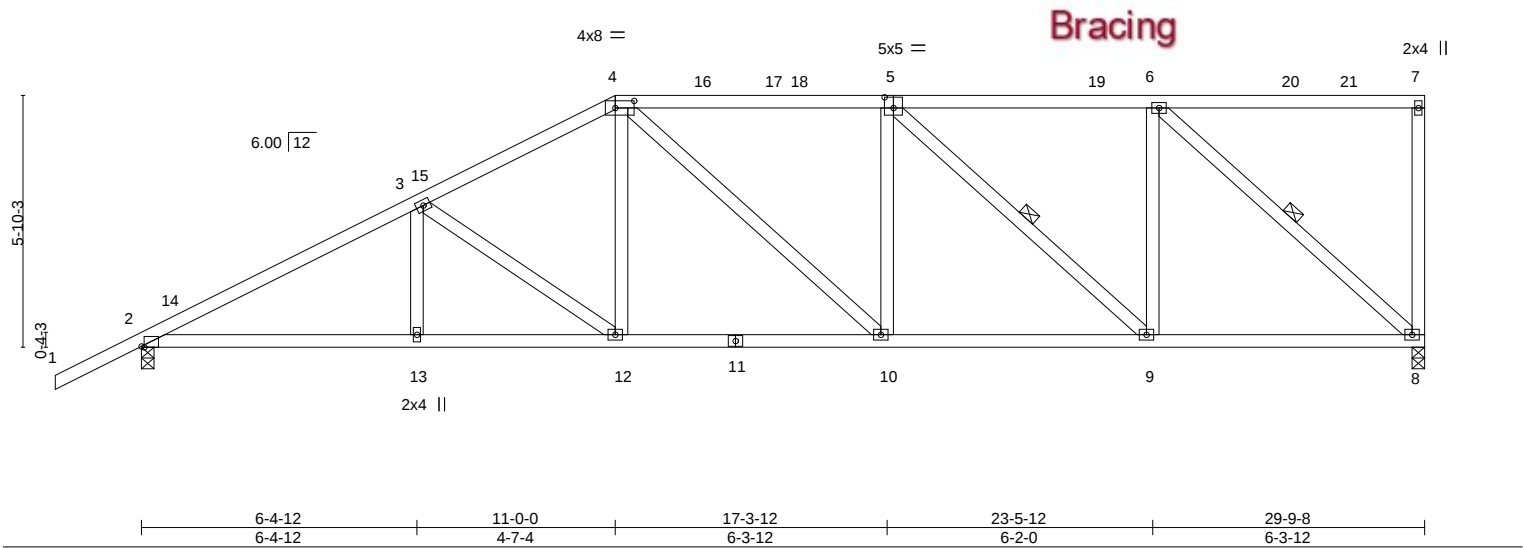
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031771
6242611	A21	Half Hip	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:58 2024 Page 1
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-2-0-0 6-4-12 11-0-0 17-3-12 23-5-12 29-9-8
2-0-0 6-4-12 4-7-4 6-3-12 6-2-0 6-3-12
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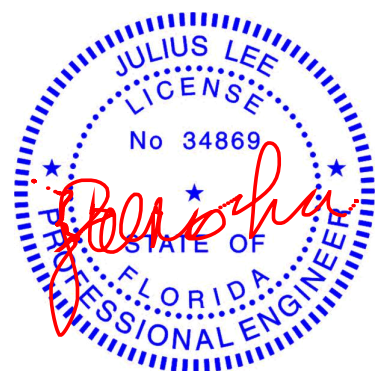


LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.54	Vert(LL)	-0.08 12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.62	Vert(CT)	-0.19 10-12	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.46	Horz(CT)	0.07 8	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.05 12	>999	240	Weight: 173 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-4-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 5-9, 6-8
REACTIONS. (size) 8=0-3-8, 2=0-3-8	
Max Horz 2=180(LC 9)	
Max Uplift 8=-51(LC 9), 2=-112(LC 12)	
Max Grav 8=1175(LC 1), 2=1313(LC 1)	

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2141/138, 3-4=-1702/168, 4-5=-1558/181, 5-6=-1079/150
BOT CHORD 2-13=-304/1825, 12-13=-304/1825, 10-12=-240/1469, 9-10=-213/1556, 8-9=-154/1079
WEBS 3-12=-443/77, 4-12=0/402, 5-9=-649/81, 6-9=0/593, 6-8=-1430/128

- NOTES-**
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 29-7-12 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 3x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 2=112.



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

September 18,2024

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031772
6242611	A22	Half Hip	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:59 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-awTDBRhKocfOcdudFVg?KWeVpdVLVoi8lghWaycjk6
-2-0-0 6-4-12 9-0-0 15-11-12 22-9-12 29-9-8
2-0-0 6-4-12 2-7-3 6-11-12 6-10-0 6-11-12
Scale = 1:53.5

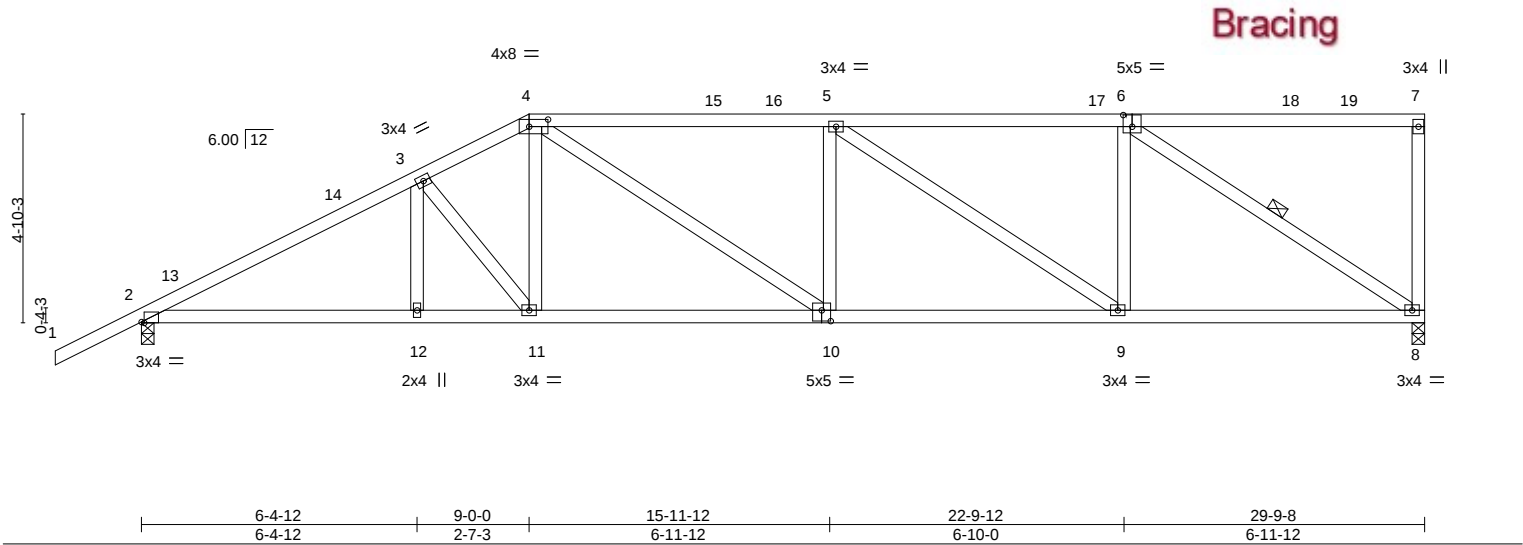


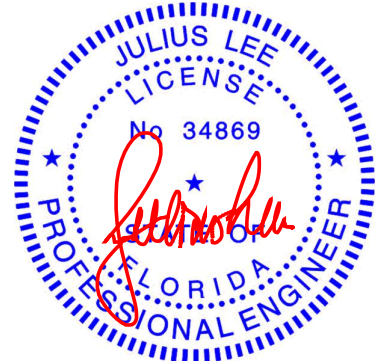
Plate Offsets (X,Y)--		[2:0-0-12,Edge], [4:0-5-4,0-2-0], [6:0-2-8,0-3-4], [10:0-2-8,0-3-0]										
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.10	10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.24	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.06	10	>999	240	Weight: 164 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-9-7 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 6-8

REACTIONS. (size) 8=0-3-8, 2=0-3-8
Max Horz 2=149(LC 9)
Max Uplift 8=-50(LC 12), 2=-113(LC 12)
Max Grav 8=1175(LC 1), 2=1313(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2133/137, 3-4=-1844/168, 4-5=-1959/190, 5-6=-1426/154
BOT CHORD 2-12=-274/1817, 11-12=-274/1817, 10-11=-229/1620, 9-10=-222/1959, 8-9=-161/1426
WEBS 3-11=-323/70, 4-11=0/376, 4-10=-36/404, 5-9=-640/72, 6-9=0/559, 6-8=-1681/134

- NOTES-
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 29-7-12 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 2=113.

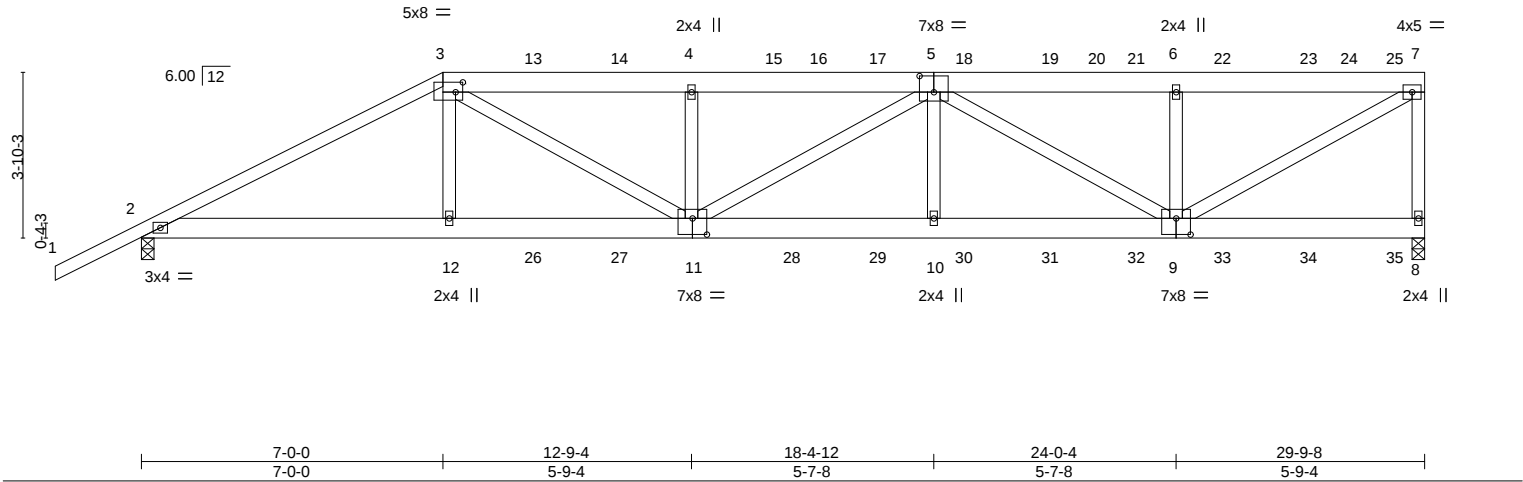


Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

September 18,2024

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031773
6242611	A23	Half Hip Girder	1	2	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:00 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-271bOniP56kW?mC4Bz0vXX3t?C?V409sMyPF20ycjk5
-2-0-0 7-0-0 12-9-4 18-4-12 24-0-4 29-9-8
2-0-0 7-0-0 5-9-4 5-7-8 5-7-8 5-9-4
Scale = 1:53.5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.48	Vert(LL)	-0.11 10-11	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.53	Vert(CT)	-0.23 10-11	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.48	Horz(CT)	0.05 8	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.07 10-11	>999	240	Weight: 392 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* 1-3: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-5-6 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS.	(size) 8=0-3-8, 2=0-3-8 Max Horz 2=116(LC 26) Max Uplift 8=166(LC 8), 2=151(LC 8) Max Grav 8=2492(LC 1), 2=2296(LC 1)
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FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-4348/161, 3-4=-5302/324, 4-5=-5295/322, 5-6=-3390/250, 6-7=-3390/250, 7-8=-2352/234
BOT CHORD	2-12=-137/3803, 11-12=-129/3823, 10-11=-304/5091, 9-10=-304/5091
WEBS	3-12=0/685, 3-11=-189/1800, 4-11=-774/237, 5-10=0/474, 5-9=-1985/109, 6-9=-742/250, 7-9=-249/3901

- NOTES-**
- 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.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=166, 2=151.



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

September 18,2024

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031773
6242611	A23	Half Hip Girder	1	2	Job Reference (optional)	

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

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:00 2024 Page 2
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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 142 lb down and 86 lb up at 7-0-0, 123 lb down and 83 lb up at 9-0-12, 123 lb down and 83 lb up at 11-0-12, 123 lb down and 83 lb up at 13-0-12, 123 lb down and 83 lb up at 15-0-12, 123 lb down and 83 lb up at 17-0-12, 123 lb down and 83 lb up at 19-0-12, 123 lb down and 83 lb up at 21-0-12, 123 lb down and 83 lb up at 23-0-12, 123 lb down and 83 lb up at 25-0-12, and 123 lb down and 83 lb up at 27-0-12, and 136 lb down and 79 lb up at 29-0-12 on top chord, and 315 lb down at 7-0-0, 96 lb down at 9-0-12, 96 lb down at 11-0-12, 96 lb down at 13-0-12, 96 lb down at 15-0-12, 96 lb down at 17-0-12, 96 lb down at 19-0-12, 96 lb down at 21-0-12, 96 lb down at 23-0-12, 96 lb down at 25-0-12, and 96 lb down at 27-0-12, and 104 lb down at 29-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-7=-60, 2-8=-20
Concentrated Loads (lb)
Vert: 3=-123(B) 12=-275(B) 11=-48(B) 4=-123(B) 13=-123(B) 14=-123(B) 16=-123(B) 17=-123(B) 18=-123(B) 19=-123(B) 21=-123(B) 22=-123(B) 23=-123(B) 25=-136(B) 26=-48(B) 27=-48(B) 28=-48(B) 29=-48(B) 30=-48(B) 31=-48(B) 32=-48(B) 33=-48(B) 34=-48(B) 35=-52(B)

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

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

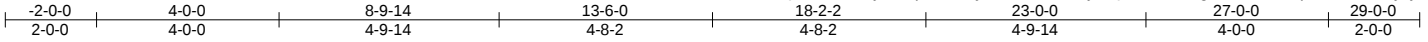
MiTek®
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job 6242611	Truss B01	Truss Type HIP GIRDER	Qty 1	Ply 2	2169A 2Car Frame T35031774
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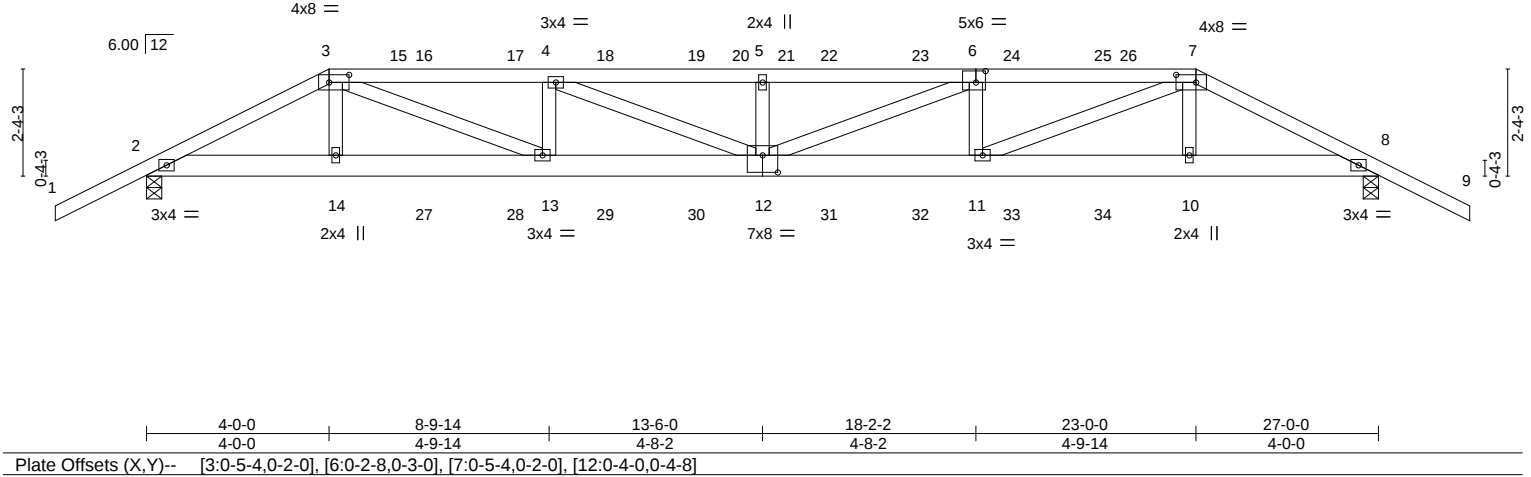
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:01 2024 Page 1

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Scale = 1:50.5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.28	Vert(LL)	-0.13	12	>999	360	MT20
TCDL 10.0	Lumber DOL	1.15	BC 0.44	Vert(CT)	-0.29	12	>999	240	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.23	Horz(CT)	0.04	8	n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.16	12	>999	240	
									Weight: 303 lb FT = 20%

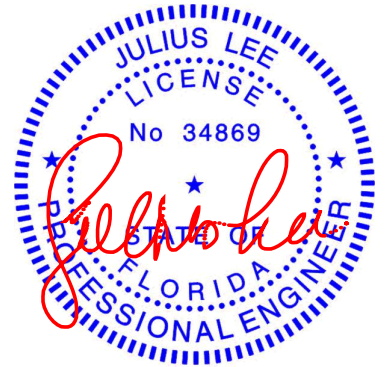
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-10-11 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 2=0-4-0, 8=0-4-0
Max Horz 2=-50(LC 32)
Max Uplift 2=-415(LC 8), 8=-426(LC 8)
Max Grav 2=1408(LC 1), 8=1424(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2472/658, 3-4=-3868/1071, 4-5=-4393/1214, 5-6=-4393/1214, 6-7=-3883/1081, 7-8=-2507/682
BOT CHORD 2-14=-514/2149, 13-14=-517/2159, 12-13=-985/3867, 11-12=-996/3883, 10-11=-550/2190, 8-10=-546/2180
WEBS 3-14=-50/259, 3-13=-506/1859, 4-13=-572/154, 4-12=-160/582, 5-12=-311/86, 6-12=-145/554, 6-11=-561/150, 7-11=-494/1832, 7-10=-49/257

NOTES-

- 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.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=415, 8=426.



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

September 18,2024

Continued on page 2

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

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

MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031774
6242611	B01	HIP GIRDER	1	2	Job Reference (optional)	

NOTES-
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 58 lb down and 37 lb up at 4-0-0, 58 lb down and 34 lb up at 6-0-12, 58 lb down and 34 lb up at 8-0-12, 58 lb down and 34 lb up at 10-0-6, 58 lb down and 34 lb up at 12-0-6, 58 lb down and 34 lb up at 13-6-6, 58 lb down and 34 lb up at 14-11-4, 58 lb down and 34 lb up at 16-11-4, 58 lb down and 34 lb up at 18-11-4, and 58 lb down and 34 lb up at 20-11-4, and 158 lb down and 103 lb up at 23-0-0 on top chord, and 94 lb down and 57 lb up at 4-0-0, 36 lb down and 22 lb up at 6-0-12, 36 lb down and 22 lb up at 8-0-12, 36 lb down and 22 lb up at 10-0-6, 36 lb down and 22 lb up at 12-0-6, 36 lb down and 22 lb up at 13-6-6, 36 lb down and 22 lb up at 14-11-4, 36 lb down and 22 lb up at 16-11-4, 36 lb down and 22 lb up at 18-11-4, and 36 lb down and 22 lb up at 20-11-4, and 94 lb down and 57 lb up at 22-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-7=-60, 7-9=-60, 2-8=-20
Concentrated Loads (lb)
Vert: 3=-17(F) 7=-41(F) 14=-32(F) 12=-18(F) 5=-17(F) 10=-32(F) 16=-17(F) 17=-17(F) 18=-17(F) 19=-17(F) 22=-17(F) 23=-17(F) 24=-17(F) 25=-17(F) 27=-18(F) 28=-18(F) 29=-18(F) 30=-18(F) 31=-18(F) 32=-18(F) 33=-18(F) 34=-18(F)

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

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

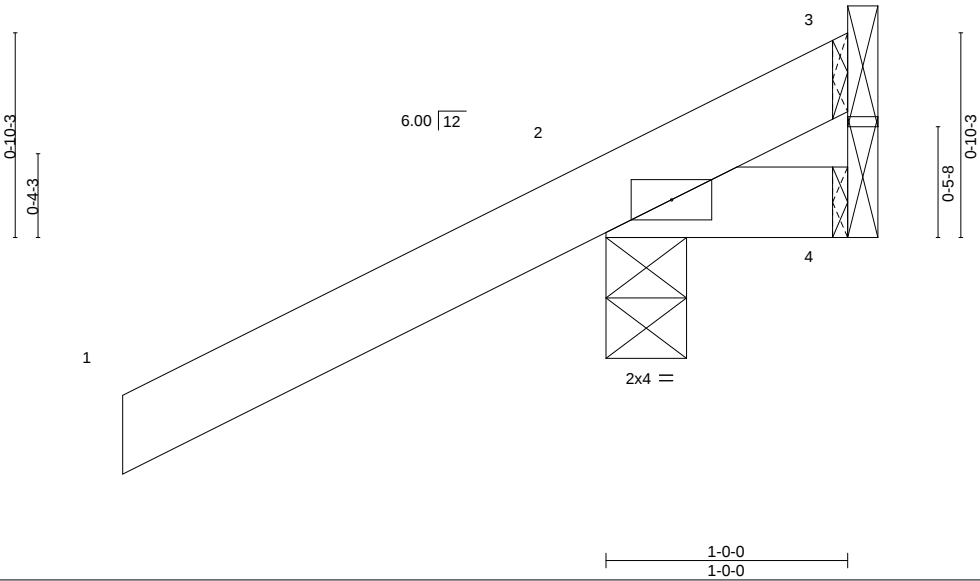
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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame
6242611	C1	Corner Jack	16	1	T35031775

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:02 2024 Page 1
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Scale = 1:9.5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.29	Vert(LL)	-0.00	2	>999	360	MT20
TCDL 10.0	Lumber DOL	1.15	BC 0.01	Vert(CT)	-0.00	2	>999	240	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00	2	****	240	
									Weight: 7 lb FT = 20%

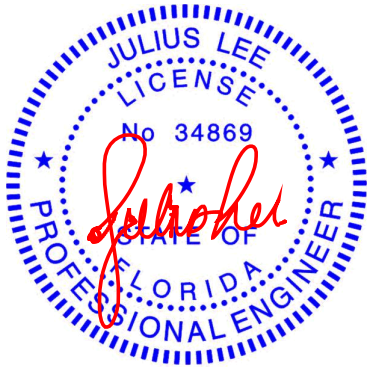
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=48(LC 12)
Max Uplift 3=-101(LC 1), 2=-134(LC 12)
Max Grav 3=68(LC 12), 2=290(LC 1), 4=19(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=101, 2=134.



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

September 18,2024

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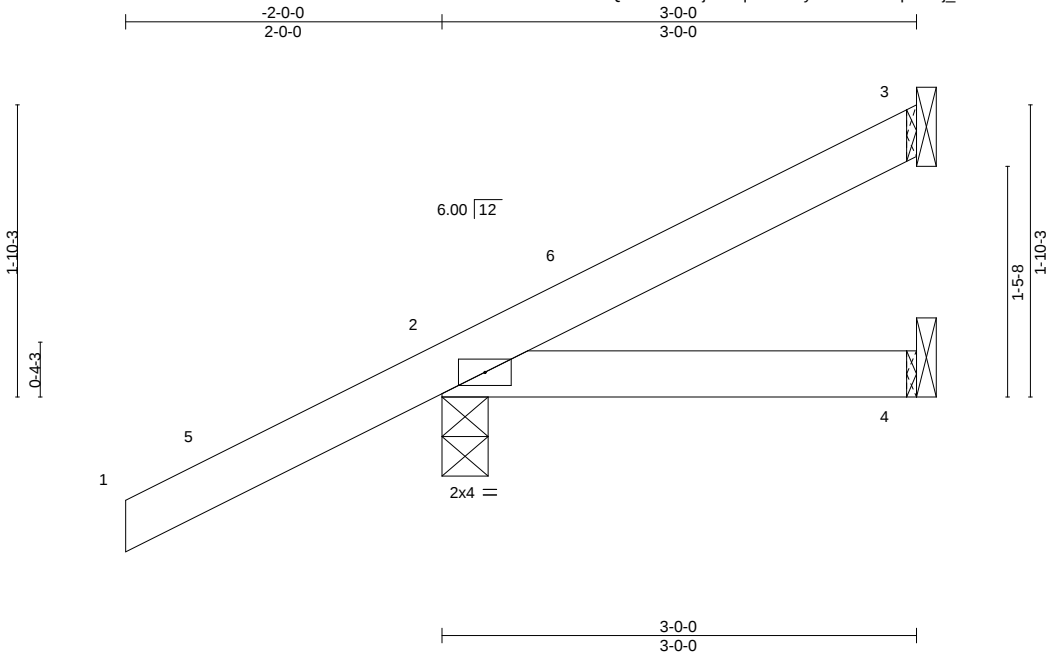
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031776
6242611	C3	Corner Jack	14	1	Job Reference (optional)	

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

Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:02 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-?V9LpTkfdj_EF4LTIO2Ndy8Er0ovY178qGuL7vycjk3



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.33	Vert(LL)	-0.00 2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.09	Vert(CT)	-0.01 2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00 3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00 2	****	240		
								Weight: 13 lb	FT = 20%

LUMBER-

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

BRACING-

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

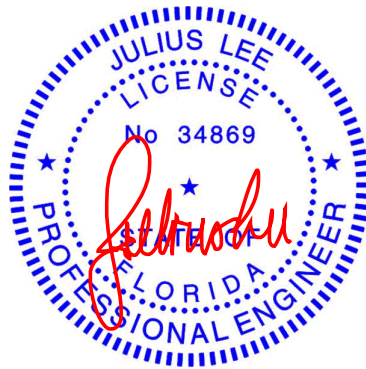
REACTIONS.

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

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

NOTES-

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



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

September 18,2024

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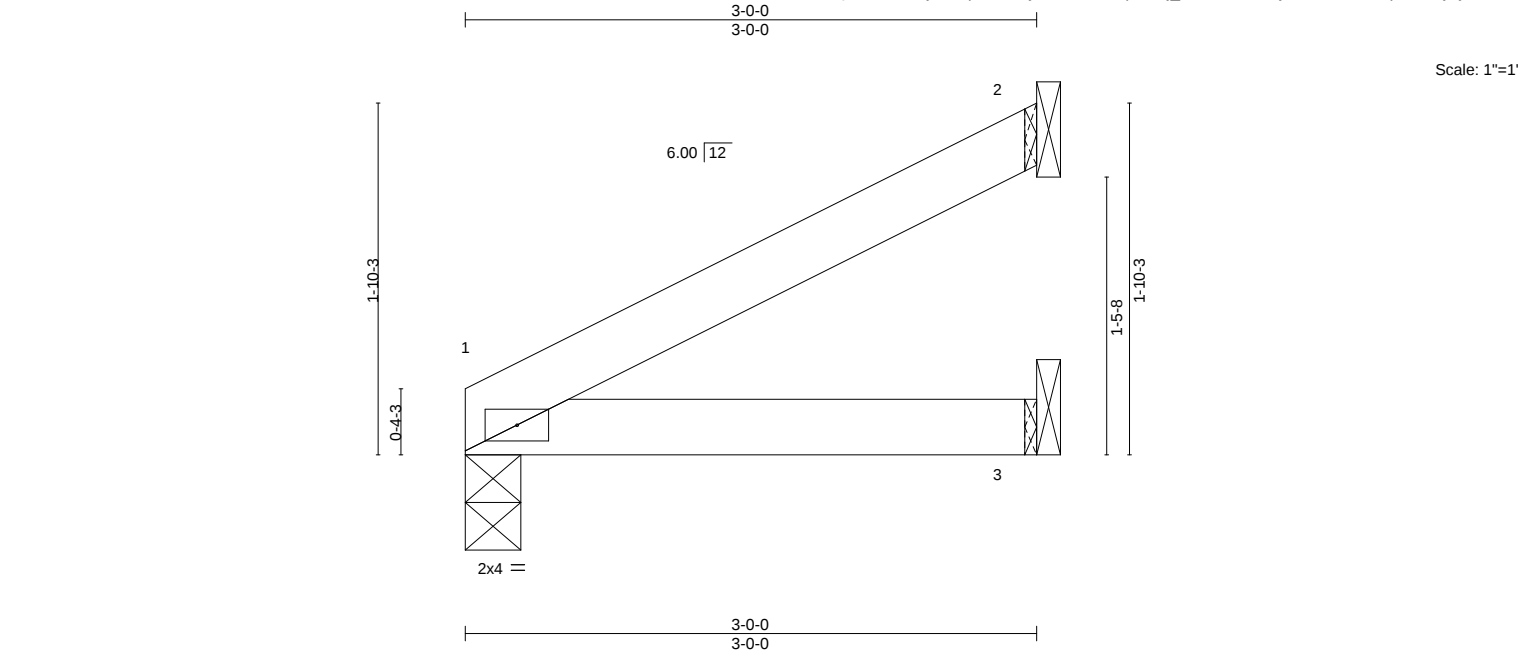
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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Job 6242611	Truss C3A	Truss Type Corner Jack	Qty 2	Ply 1	2169A 2Car Frame Job Reference (optional)	T35031777
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Tibbetts Lumber Co., LLC (Ocala, FL),
Ocala, FL - 34472,
8.730 s Aug 15 2024 MiTek Industries, Inc.
Tue Sep 17 12:38:02 2024
Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-?V9LpTkfdj_EF4LTIO2Ndy8Hn0ovY178qGuL7vycjk3



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.14	Vert(LL)	-0.00 1-3	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.09	Vert(CT)	-0.01 1-3	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00 2	n/a	n/a		
BCDL 10.0	Code FBC2023/TP12014		Matrix-P	Wind(LL)	0.00 1	****	240	Weight: 10 lb	FT = 20%

LUMBER-

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

BRACING-

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

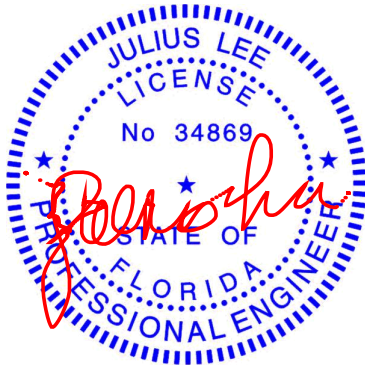
REACTIONS.

(size) 1=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 1=36(LC 12)
Max Uplift 2=-31(LC 12)
Max Grav 1=112(LC 1), 2=84(LC 1), 3=56(LC 3)

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

NOTES-

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



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

September 18,2024

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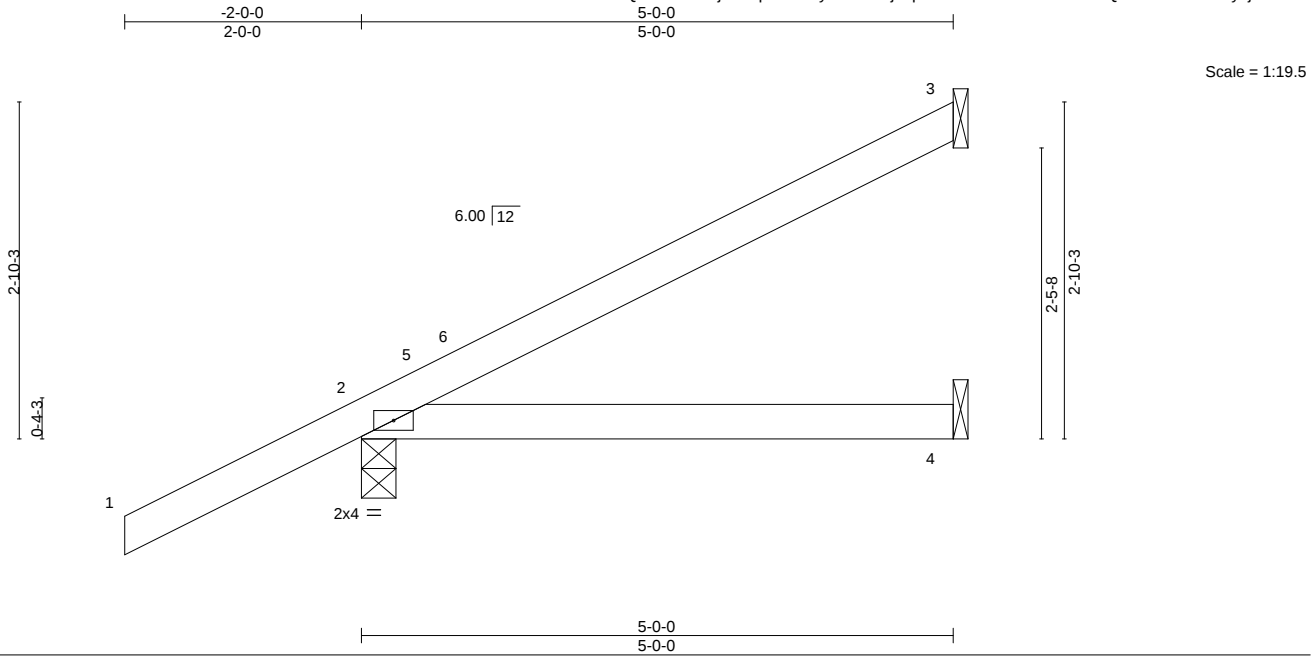
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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031778
6242611	C5	Jack-Open	9	1		
Job Reference (optional)						

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:03 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-Tijk1pkHO165sDwfs5ac9AhPbQ55HUNI3wevfLycjk2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.33	Vert(LL)	-0.03 2-4	>999	360	MT20	244/190
BCDL 10.0	Lumber DOL	1.15	BC 0.28	Vert(CT)	-0.06 2-4	>909	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00 3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00 2	****	240		
								Weight: 19 lb	FT = 20%

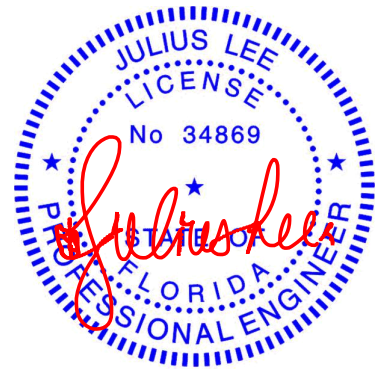
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

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

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

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



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

September 18,2024

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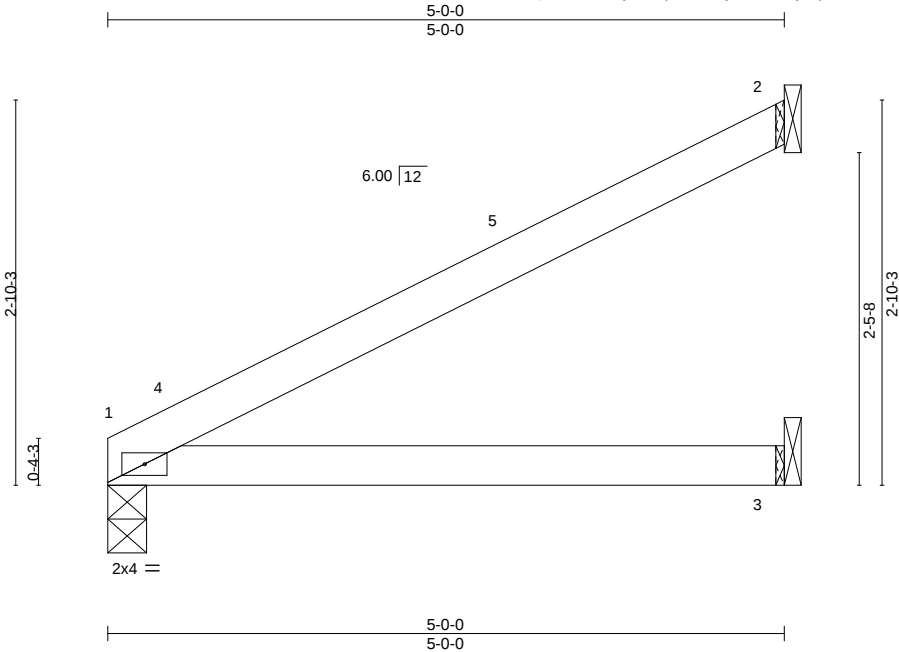
Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031779
6242611	C5A	Corner Jack	1	1		
Job Reference (optional)						

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

Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:03 2024 Page 1

ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-Tijk1pkHO165sDwfs5ac9AhNeQ54HUNI3wevfLycjk2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.45	Vert(LL)	-0.03	1-3	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.28	Vert(CT)	-0.06	1-3	>908	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00	1	****	240	Weight: 16 lb	FT = 20%

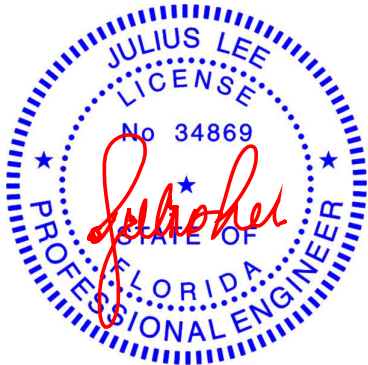
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 1=0-3-7, 2=Mechanical, 3=Mechanical
Max Horz 1=60(LC 12)
Max Uplift 2=-53(LC 12)
Max Grav 1=192(LC 1), 2=144(LC 1), 3=96(LC 3)

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

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



Julius Lee PE No. 34869

MiTek Inc. DBA MiTek USA FL Cert 6634

16023 Swingley Ridge Rd. Chesterfield, MO 63017

Date:

September 18,2024

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

Job 6242611	Truss D01	Truss Type Common Girder	Qty 1	Ply 2	2169A 2Car Frame T35031780
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Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:04 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-xuH6E9lv9LEyUNVrQo5riNDXrqLI0owRHaNSBoycjk1

Job Reference (optional)



Scale = 1:23.6

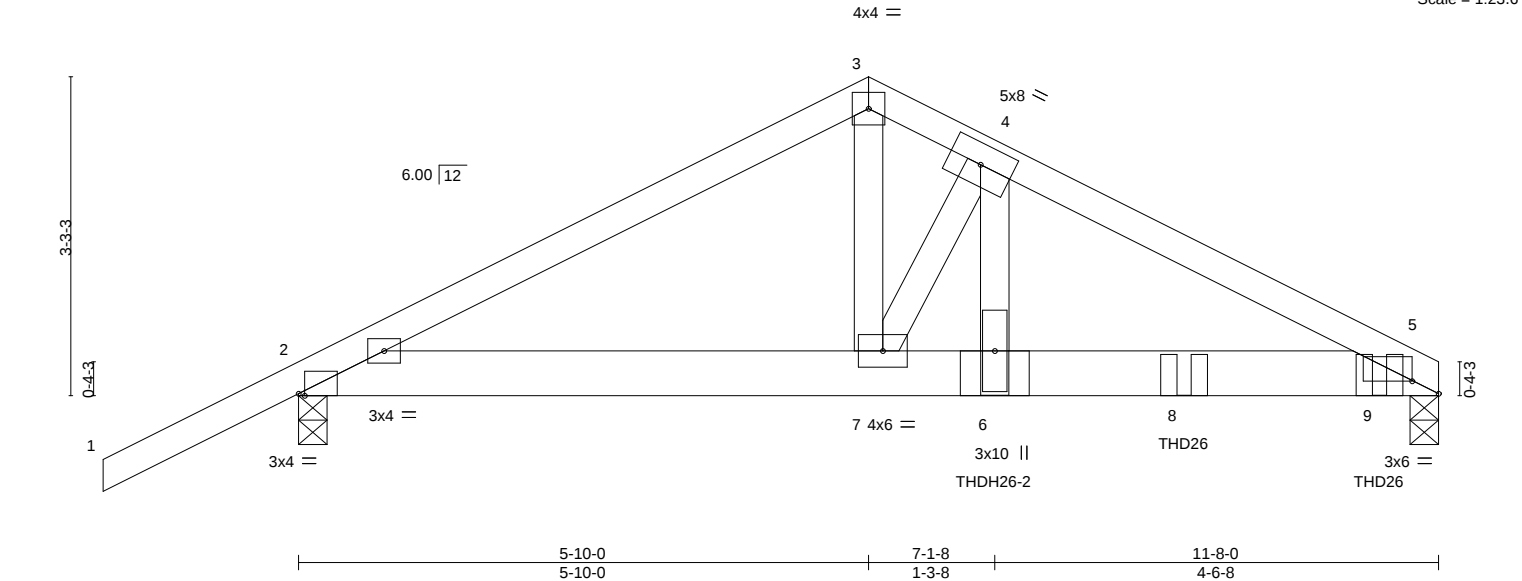


Plate Offsets (X,Y)--		[2:0-0-12,Edge], [5:0-3-4,0-1-9]									
LOADING (psf)		SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC 0.55	Vert(LL)	-0.07	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC 0.67	Vert(CT)	-0.13	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB 0.62	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S	Wind(LL)	0.04	5-6	>999	240	Weight: 120 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-1-9 oc purlins.
BOT CHORD	2x6 SP DSS	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 5=0-3-8, 2=0-3-8
Max Horz 2=61(LC 26)
Max Uplift 5=-313(LC 8), 2=-209(LC 8)
Max Grav 5=5438(LC 1), 2=2354(LC 1)

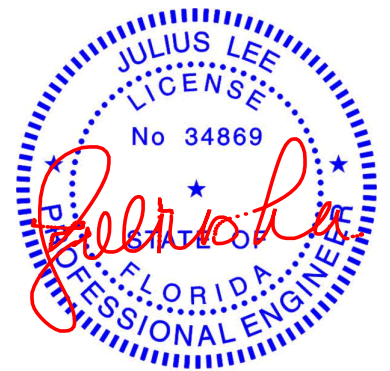
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4484/281, 3-4=-4381/299, 4-5=-7037/454
BOT CHORD 2-7=-203/3928, 6-7=-372/6243, 5-6=-372/6243
WEBS 3-7=-211/3714, 4-7=-4658/336, 4-6=-319/5068

NOTES-

- 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.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-2-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=313, 2=209.
- Use MiTek THDH26-2 (With 22-16d nails into Girder & 8-16d nails into Truss) or equivalent at 7-1-8 from the left end to connect truss(es) to back face of bottom chord.
- Use MiTek THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 9-0-12 from the left end to 11-0-12 to connect truss(es) to back face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

Continued on page 2



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

September 18,2024

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031780
6242611	D01	Common Girder	1	2	Job Reference (optional)	

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 6=-3459(B) 8=-1645(B) 9=-1650(B)

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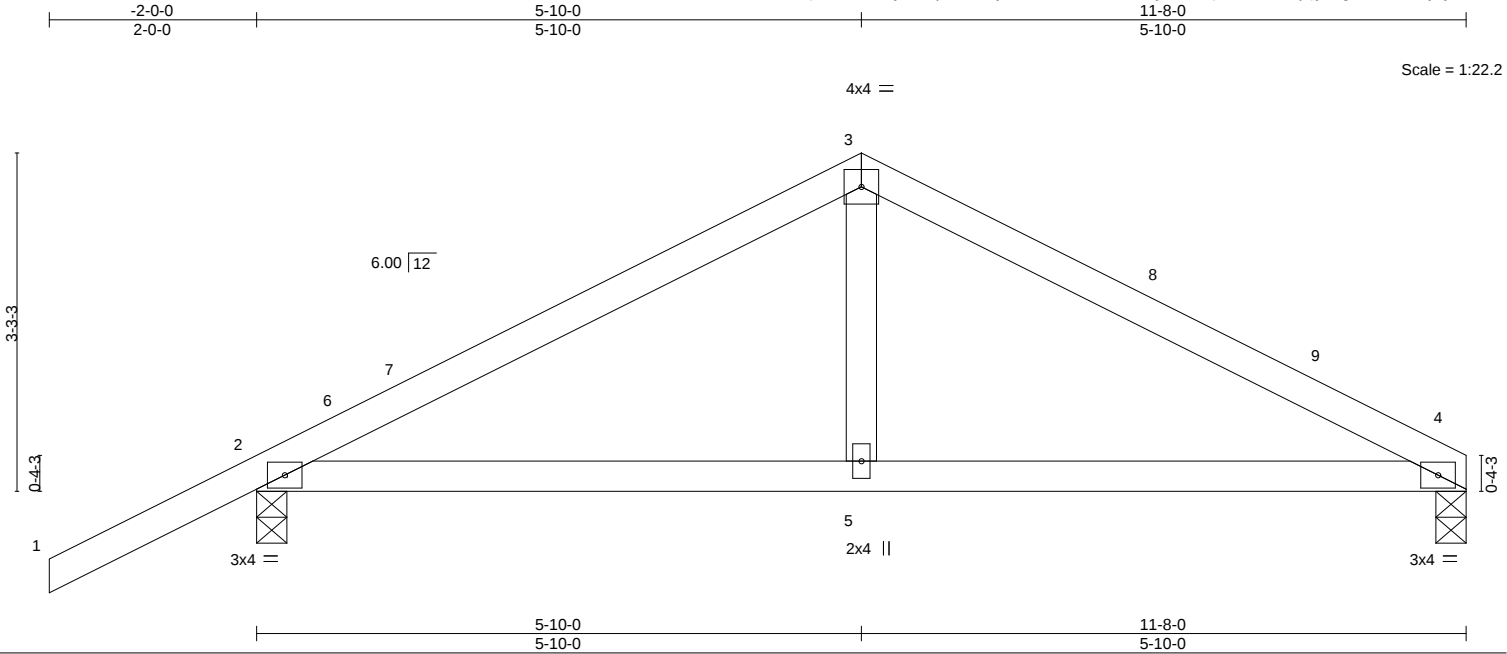
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031781
6242611	D02	Common	1	1	Job Reference (optional)	

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

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:04 2024 Page 1

ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-xuH6E9lv9LEyUNVrQo5riNDYUqQy0xgRHansBoycjk1



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.51	Vert(LL)	-0.03	4-5	>999	360	MT20
TCDL 10.0	Lumber DOL	1.15	BC 0.37	Vert(CT)	-0.06	4-5	>999	240	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.01	4	n/a	n/a	
BCDL 10.0	Code FBC2023/TP12014		Matrix-S	Wind(LL)	0.02	4-5	>999	240	
									Weight: 44 lb FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

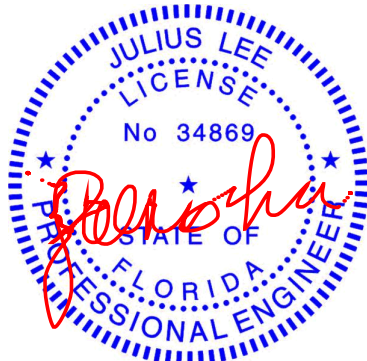
(size) 4=0-3-8, 2=0-3-8
Max Horz 2=61(LC 11)
Max Uplift 4=-13(LC 12), 2=-87(LC 12)
Max Grav 4=443(LC 1), 2=596(LC 1)

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

TOP CHORD 2-3=-622/154, 3-4=-614/161
BOT CHORD 2-5=-62/480, 4-5=-62/480
WEBS 3-5=0/274

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 5-10-0, Zone2 5-10-0 to 10-0-15, Zone1 10-0-15 to 11-6-4 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
- 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) 4, 2.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

September 18,2024

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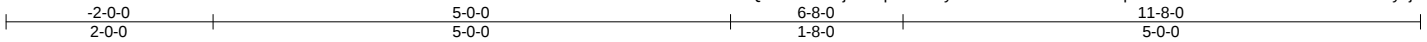
Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031782
6242611	D03	Hip Girder	1	1	Job Reference (optional)	

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

Ocala, FL - 34472,

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Scale = 1:22.3

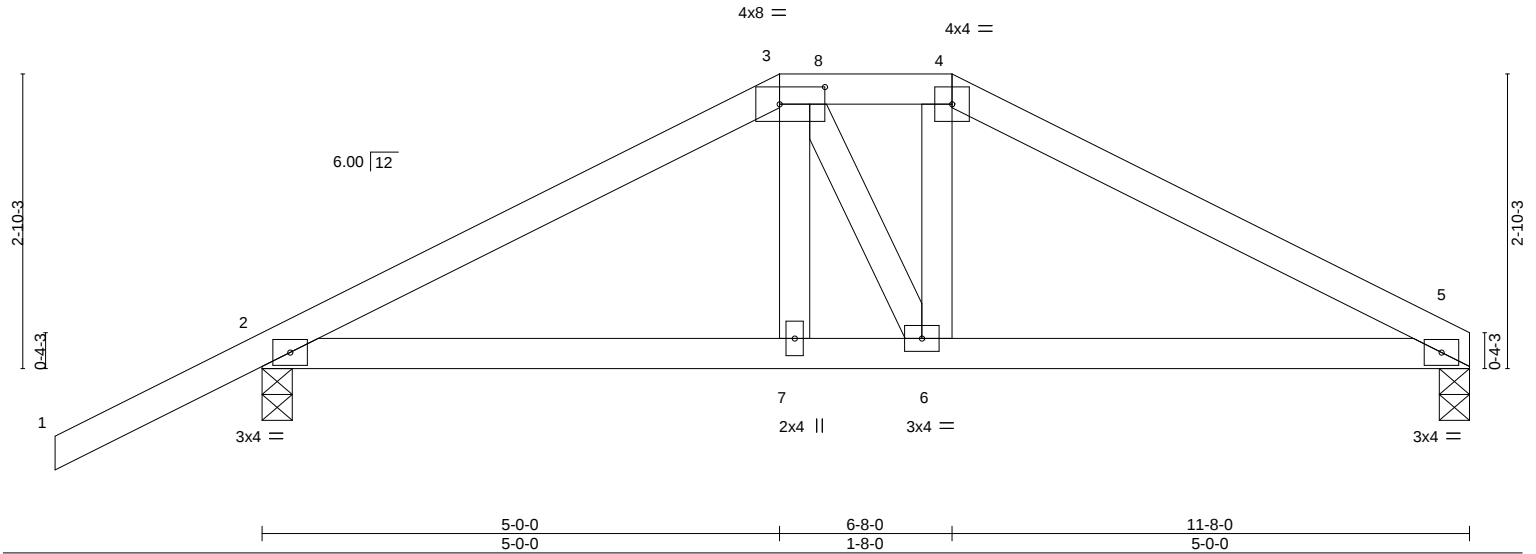


Plate Offsets (X,Y)--		[3:0-5-4,0-2-0]										
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.03	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.06	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.01	5-6	>999	240	Weight: 51 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-1-1 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 5=0-3-8, 2=0-3-8
Max Horz 2=54(LC 26)
Max Uplift 5=-44(LC 8), 2=-117(LC 8)
Max Grav 5=618(LC 1), 2=765(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1011/78, 3-4=-882/98, 4-5=-1029/89
BOT CHORD 2-7=-36/857, 6-7=-34/869, 5-6=-40/866

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=117.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 76 lb down and 56 lb up at 5-0-0, and 144 lb down and 116 lb up at 6-8-0 on top chord, and 175 lb down and 22 lb up at 5-0-0, and 175 lb down and 22 lb up at 6-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-5=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 3=-55(F) 4=-97(F) 7=-96(F) 6=-96(F)



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

September 18,2024

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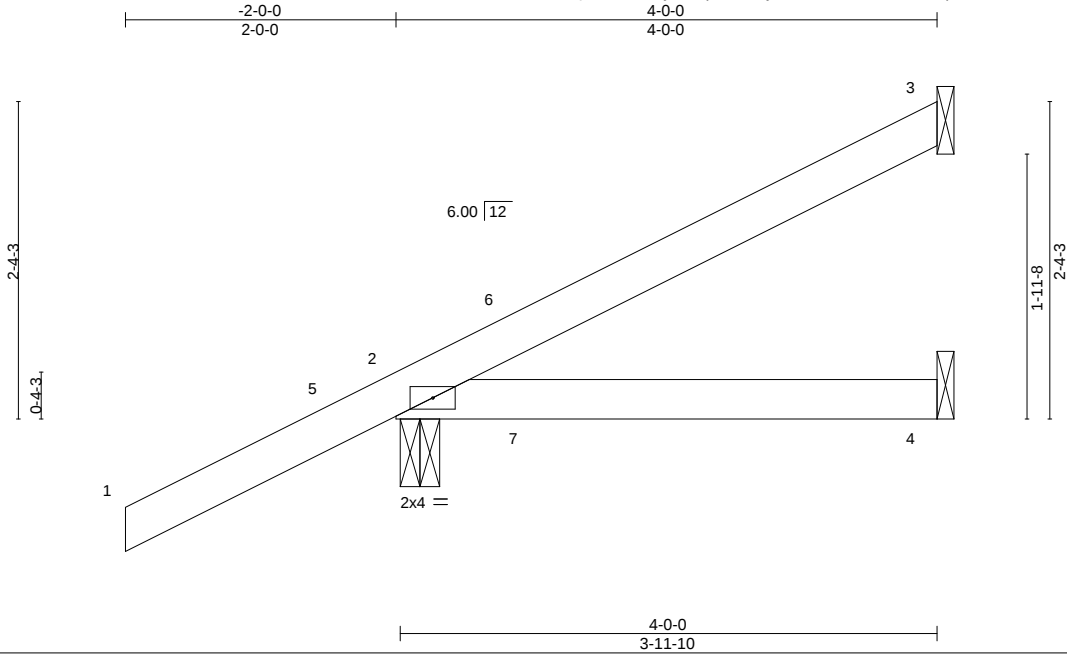
Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031783
6242611	E4	JACK-OPEN	11	1		
Job Reference (optional)						

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

Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:05 2024 Page 1

ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-P4rURVmYweMp6X41zWc4EbmmJDoKIOtbWE70kEycjk0



LOADING (psf)	SPACING-		CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.31		Vert(LL)	-0.01 2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.17		Vert(CT)	-0.02 2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00 3	n/a	n/a		
BCDL 10.0	Code FBC2023/TP12014		Matrix-P		Wind(LL)	0.01 2-4	>999	240	Weight: 16 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=83(LC 12)
Max Uplift 3=-22(LC 9), 2=-108(LC 12), 4=-10(LC 8)
Max Grav 3=77(LC 1), 2=317(LC 1), 4=76(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 3-11-4 zone; cantilever left exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=108.



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

September 18, 2024

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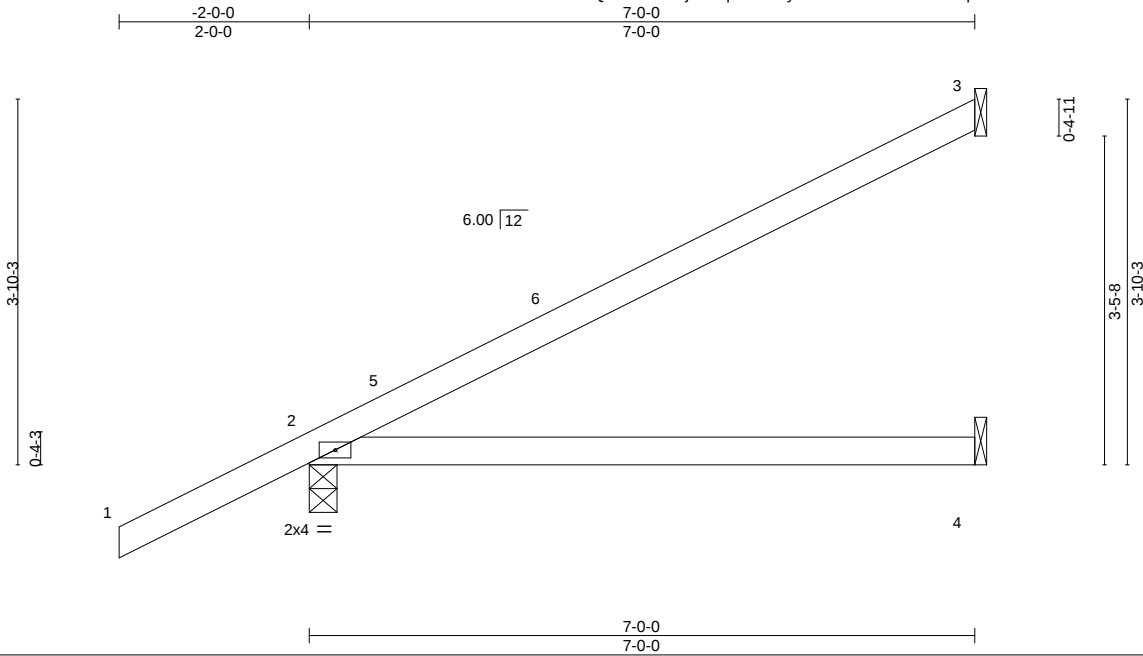
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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031784
6242611	E7	Jack-Open	34	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:05 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-P4rURVmYweMp6X41zWc4Ebme1DhYIOtbWE70kEycjk0



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.78	Vert(LL)	-0.13 2-4	>639	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.60	Vert(CT)	-0.26 2-4	>319	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00 3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P	Wind(LL)	0.00 2	****	240	Weight: 26 lb	FT = 20%

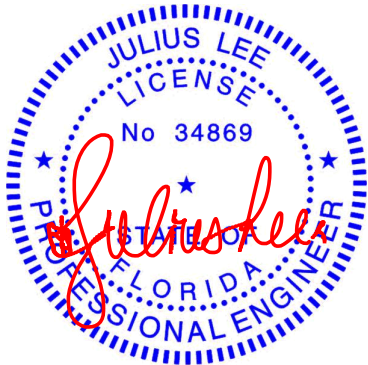
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

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

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

- NOTES-**
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 6-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 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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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031785
6242611	G01	Half Hip	1	1		
Job Reference (optional)						

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

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:06 2024 Page 1
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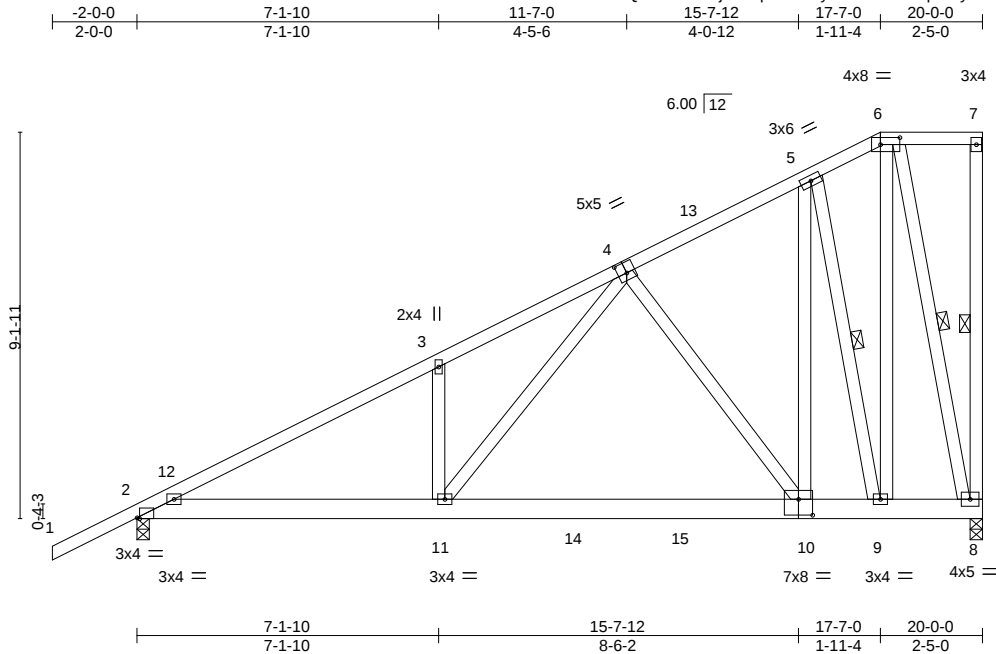


Plate Offsets (X, Y)--	[2:0-0-12,Edge], [4:0-2-8,0-3-0], [6:0-5-8,0-2-0], [10:0-4-0,0-4-8]							PLATES	GRIP
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d		MT20	244/190
TCLL 20.0	Plate Grip DOL 1.15	TC 0.63	Vert(LL)	-0.08 10-11	>999	360			
TCDL 10.0	Lumber DOL 1.15	BC 0.68	Vert(CT)	-0.24 10-11	>987	240			
BCLL 0.0 *	Rep Stress Incr NO	WB 0.60	Horz(CT)	0.02 8	n/a	n/a			
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL)	0.03 10-11	>999	240		Weight: 169 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 3-11-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-8, 5-9, 6-8

REACTIONS.

(size) 8=0-3-8, 2=0-3-8
Max Horz 2=277(LC 9)
Max Grav 8=1121(LC 17), 2=1158(LC 17)

FORCES.

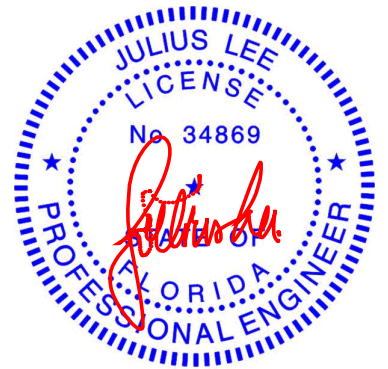
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1825/0, 3-4=-1817/0, 4-5=-674/0, 5-6=-356/109
BOT CHORD 2-11=0/1640, 10-11=-10/982, 9-10=-11/551, 8-9=-70/285
WEBS 3-11=-346/143, 4-11=0/1082, 4-10=-701/3, 5-10=0/1191, 5-9=-1257/0, 6-9=0/1013, 6-8=-1036/0

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-7-0, Zone3 17-7-0 to 19-10-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified.
Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-7=-60, 2-11=-20, 10-11=-60, 8-10=-20
- Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-50, 6-7=-50, 2-11=-35, 11-14=-75, 14-15=-90, 10-15=-75, 8-10=-35
- Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 2-11=-40, 10-11=-80, 8-10=-40



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

September 18,2024

Continued on page 2

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MiTek®

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

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031785
6242611	G01	Half Hip	1	1	Job Reference (optional)	

- LOAD CASE(S)** Standard
- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=37, 2-12=21, 6-12=16, 6-7=21, 2-11=-12, 10-11=-52, 8-10=-12
Horz: 1-2=-46, 2-12=-30, 6-12=-25, 7-8=31
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=12, 2-13=16, 6-13=21, 6-7=21, 2-11=-12, 10-11=-52, 8-10=-12
Horz: 1-2=-20, 2-13=-25, 6-13=-30, 7-8=-19
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-6=-32, 6-7=-32, 2-11=-20, 10-11=-60, 8-10=-20
Horz: 1-2=-13, 2-6=12, 7-8=21
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-28, 2-6=-32, 6-7=-32, 2-11=-20, 10-11=-60, 8-10=-20
Horz: 1-2=8, 2-6=12, 7-8=28
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-6=3, 6-7=8, 2-11=-12, 10-11=-52, 8-10=-12
Horz: 1-2=-24, 2-6=-11, 7-8=15
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-6=9, 6-7=18, 2-11=-12, 10-11=-52, 8-10=-12
Horz: 1-2=-13, 2-6=-17, 7-8=-13
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-6=-28, 6-7=-21, 2-11=-20, 10-11=-60, 8-10=-20
Horz: 1-2=4, 2-6=8, 7-8=6
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-6=-12, 6-7=-21, 2-11=-20, 10-11=-60, 8-10=-20
Horz: 1-2=-13, 2-6=-8, 7-8=-22
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=28, 2-6=15, 6-7=15, 2-11=-12, 10-11=-52, 8-10=-12
Horz: 1-2=-37, 2-6=-24, 7-8=20
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-6=3, 6-7=3, 2-11=-12, 10-11=-52, 8-10=-12
Horz: 1-2=-24, 2-6=-11, 7-8=20
- 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-6=-21, 6-7=-21, 2-11=-20, 10-11=-60, 8-10=-20
Horz: 1-2=-4, 2-6=1, 7-8=10
- 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-6=-21, 6-7=-21, 2-11=-20, 10-11=-60, 8-10=-20
Horz: 1-2=-4, 2-6=1, 7-8=10
- 16) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 2-11=-40, 11-14=-80, 14-15=-100, 10-15=-80, 8-10=-40
- 17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-6=-56, 6-7=-51, 2-11=-35, 11-14=-75, 14-15=-90, 10-15=-75, 8-10=-35
Horz: 1-2=3, 2-6=6, 7-8=5
- 18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-6=-44, 6-7=-51, 2-11=-35, 11-14=-75, 14-15=-90, 10-15=-75, 8-10=-35
Horz: 1-2=-10, 2-6=-6, 7-8=-16
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-6=-51, 6-7=-51, 2-11=-35, 11-14=-75, 14-15=-90, 10-15=-75, 8-10=-35
Horz: 1-2=-3, 2-6=1, 7-8=8
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-6=-51, 6-7=-51, 2-11=-35, 11-14=-75, 14-15=-90, 10-15=-75, 8-10=-35
Horz: 1-2=-3, 2-6=1, 7-8=8
- 21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-6=-25, 6-7=-25, 2-11=-12, 10-11=-52, 8-10=-12
Horz: 1-2=-16, 2-6=16, 7-8=16

Continued on page 3

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031785
6242611	G01	Half Hip	1	1	Job Reference (optional)	

- LOAD CASE(S)** Standard
- 22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-6=8, 6-7=8, 2-11=-12, 10-11=-52, 8-10=-12
Horz: 1-6=-16, 7-8=16
- 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-7=-60, 2-11=-20, 10-11=-60, 8-10=-20
- 24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-60, 2-11=-20, 10-11=-60, 8-10=-20
- 25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-50, 6-7=-50, 2-11=-35, 11-14=-75, 14-15=-90, 10-15=-75, 8-10=-35
- 26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-50, 2-11=-35, 11-14=-75, 14-15=-90, 10-15=-75, 8-10=-35

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031786
6242611	G02	Half Hip	1	1		
Job Reference (optional)						

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:06 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-tHOsfqnAhyUfkhfEXD7JnoJrxd05UjFklusZGgycjk?

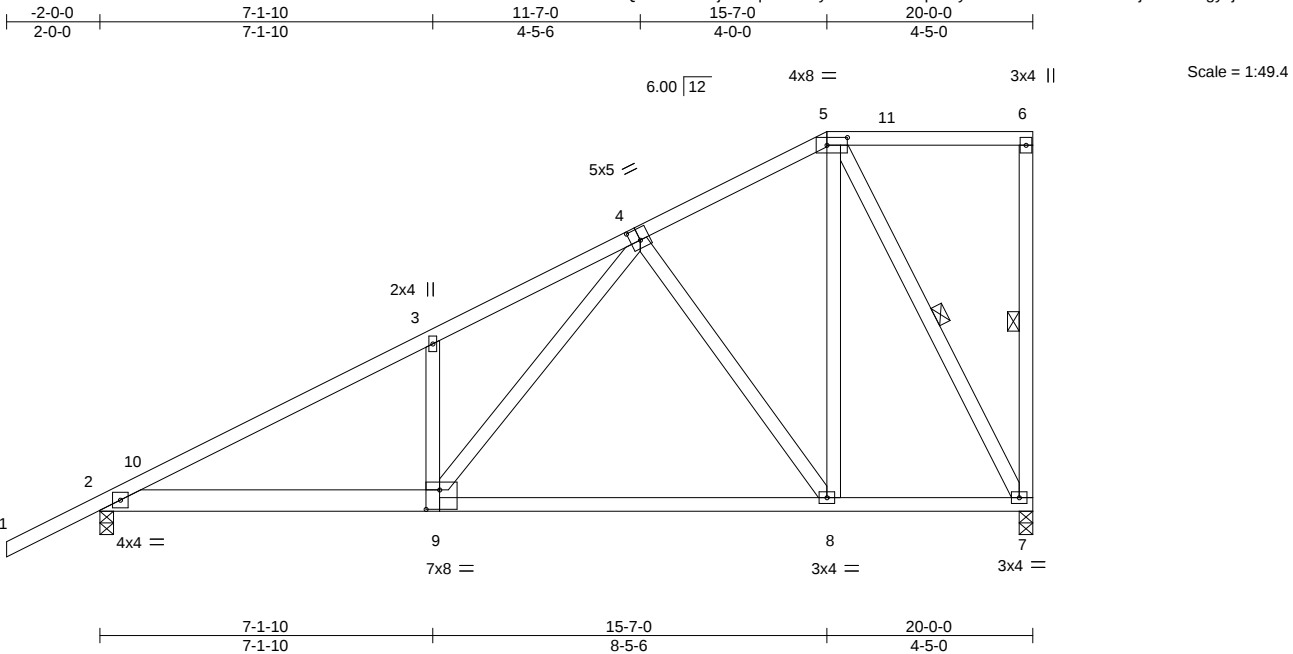


Plate Offsets (X,Y)--		[4:0-2-8,0-3-0], [5:0-5-4,0-2-0], [9:0-3-8,0-5-0]										
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.08	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.37	8-9	>640	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.02	9	>999	240	Weight: 132 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-1 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2 *Except* 7-9: 2x4 SP M 31 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 6-7, 5-7
REACTIONS. (size) 7=0-3-8, 2=0-3-8	
Max Horz 2=249(LC 11)	
Max Grav 7=976(LC 1), 2=1067(LC 1)	

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1673/0, 3-4=-1624/0, 4-5=-576/0
BOT CHORD 2-9=0/1405, 8-9=-12/842, 7-8=-8/486
WEBS 3-9=-342/142, 4-9=0/927, 4-8=-637/0, 5-8=0/859, 5-7=-1000/0

- NOTES-
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 15-7-0, Zone3 15-7-0 to 19-10-4 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

- LOAD CASE(S) Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-60, 5-6=-60, 2-9=-20, 8-9=-60, 7-8=-20
 - 2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-50, 5-6=-50, 2-9=-20, 8-9=-60, 7-8=-20
 - 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-6=-20, 2-9=-40, 8-9=-80, 7-8=-40



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

September 18,2024

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031786
6242611	G02	Half Hip	1	1	Job Reference (optional)	

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8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:06 2024 Page 2
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LOAD CASE(S) Standard

- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=37, 2-10=21, 5-10=16, 5-6=21, 2-9=-12, 8-9=-52, 7-8=-12
Horz: 1-2=-46, 2-10=-30, 5-10=-25, 6-7=31
Drag: 5-6=-0
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=12, 2-4=16, 4-5=21, 5-11=16, 6-11=21, 2-9=-12, 8-9=-52, 7-8=-12
Horz: 1-2=-20, 2-4=-25, 4-5=-30, 6-7=-19
Drag: 5-6=-0
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-5=-32, 5-6=-32, 2-9=-20, 8-9=-60, 7-8=-20
Horz: 1-2=-13, 2-5=12, 6-7=22
Drag: 5-6=0
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-28, 2-5=-32, 5-6=-32, 2-9=-20, 8-9=-60, 7-8=-20
Horz: 1-2=8, 2-5=12, 6-7=28
Drag: 5-6=0
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-5=3, 5-6=8, 2-9=-12, 8-9=-52, 7-8=-12
Horz: 1-2=-24, 2-5=-11, 6-7=15
Drag: 5-6=-0
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-5=9, 5-6=18, 2-9=-12, 8-9=-52, 7-8=-12
Horz: 1-2=-13, 2-5=-17, 6-7=-13
Drag: 5-6=-0
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-5=-28, 5-6=-21, 2-9=-20, 8-9=-60, 7-8=-20
Horz: 1-2=4, 2-5=8, 6-7=6
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-5=-12, 5-6=-21, 2-9=-20, 8-9=-60, 7-8=-20
Horz: 1-2=-13, 2-5=-8, 6-7=-22
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=28, 2-5=15, 5-6=15, 2-9=-12, 8-9=-52, 7-8=-12
Horz: 1-2=-37, 2-5=-24, 6-7=20
Drag: 5-6=0
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-5=3, 5-6=3, 2-9=-12, 8-9=-52, 7-8=-12
Horz: 1-2=-24, 2-5=-11, 6-7=20
Drag: 5-6=0
- 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-5=-21, 5-6=-21, 2-9=-20, 8-9=-60, 7-8=-20
Horz: 1-2=-4, 2-5=1, 6-7=10
- 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-5=-21, 5-6=-21, 2-9=-20, 8-9=-60, 7-8=-20
Horz: 1-2=-4, 2-5=1, 6-7=10
- 16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-5=-20, 5-6=-20, 2-9=-20, 8-9=-60, 7-8=-20
- 17) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-5=-56, 5-6=-51, 2-9=-20, 8-9=-60, 7-8=-20
Horz: 1-2=3, 2-5=6, 6-7=5
- 18) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-5=-44, 5-6=-51, 2-9=-20, 8-9=-60, 7-8=-20
Horz: 1-2=-10, 2-5=-6, 6-7=-16
- 19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-5=-51, 5-6=-51, 2-9=-20, 8-9=-60, 7-8=-20
Horz: 1-2=-3, 2-5=1, 6-7=8
- 20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-5=-51, 5-6=-51, 2-9=-20, 8-9=-60, 7-8=-20
Horz: 1-2=-3, 2-5=1, 6-7=8

Continued on page 3

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031786
6242611	G02	Half Hip	1	1	Job Reference (optional)	

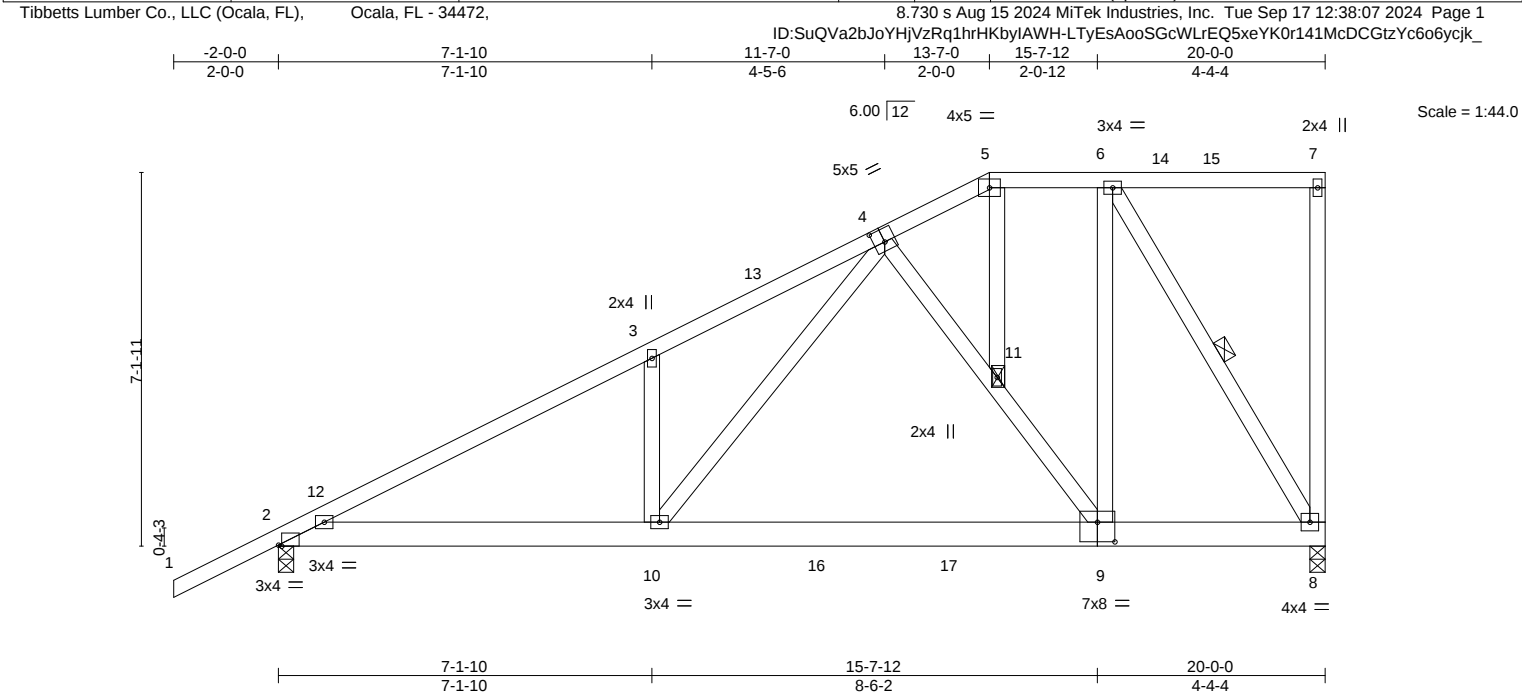
- LOAD CASE(S)** Standard
- 21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-5=-25, 5-6=-25, 2-9=-12, 8-9=-52, 7-8=-12
Horz: 1-2=-16, 2-5=16, 6-7=16
Drag: 5-6=0
- 22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=8, 5-6=8, 2-9=-12, 8-9=-52, 7-8=-12
Horz: 1-5=-16, 6-7=16
Drag: 5-6=-0

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031787
6242611	G03	Half Hip	1	1	Job Reference (optional)	



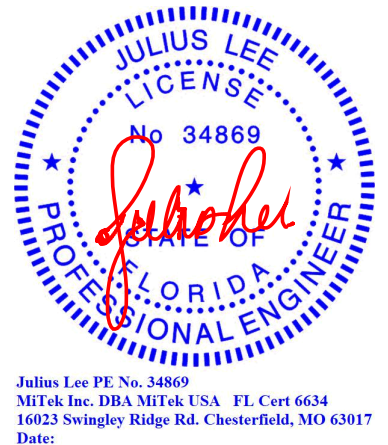
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.62	Vert(LL)	-0.07	9-10	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.69	Vert(CT)	-0.23	9-10	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.33	Horz(CT)	0.02	8	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.02	10	>999	240	Weight: 143 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 6-8
	JOINTS 1 Brace at Jt(s): 11
REACTIONS.	
(size) 8=0-3-8, 2=0-3-8	
Max Horz 2=217(LC 9)	
Max Grav 8=1095(LC 17), 2=1162(LC 17)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1840/0, 3-4=-1845/0, 4-5=-677/0, 5-6=-608/0
BOT CHORD	2-10=0/1633, 9-10=-9/949, 8-9=0/625
WEBS	3-10=-374/142, 4-10=0/1124, 4-11=-579/31, 9-11=-505/61, 6-9=0/894, 6-8=-1174/0

- NOTES-**
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 13-7-0, Zone2 13-7-0 to 17-9-15, Zone1 17-9-15 to 19-10-4 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-60, 5-7=-60, 2-10=-20, 9-10=-60, 8-9=-20
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-50, 5-7=-50, 2-10=-35, 10-16=-75, 16-17=-90, 9-17=-75, 8-9=-35
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-7=-20, 2-10=-40, 9-10=-80, 8-9=-40



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

September 18,2024

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031787
6242611	G03	Half Hip	1	1	Job Reference (optional)	

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

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:07 2024 Page 2
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-LTyEsAooSGcWLRqEQ5xeYK0r141McDCGtzYc6o6ycjk_

LOAD CASE(S) Standard

- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=37, 2-12=21, 5-12=16, 5-15=21, 7-15=16, 2-10=-12, 9-10=-52, 8-9=-12
Horz: 1-2=-46, 2-12=-30, 5-12=-25, 7-8=31
Drag: 5-6=-0
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=12, 2-13=16, 5-13=21, 5-14=16, 7-14=21, 2-10=-12, 9-10=-52, 8-9=-12
Horz: 1-2=-20, 2-13=-25, 5-13=-30, 7-8=-20
Drag: 5-6=-0
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-5=-32, 5-7=-32, 2-10=-20, 9-10=-60, 8-9=-20
Horz: 1-2=-13, 2-5=12, 7-8=22
Drag: 5-6=0
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-28, 2-5=-32, 5-7=-32, 2-10=-20, 9-10=-60, 8-9=-20
Horz: 1-2=8, 2-5=12, 7-8=29
Drag: 5-6=0
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-5=3, 5-7=8, 2-10=-12, 9-10=-52, 8-9=-12
Horz: 1-2=-24, 2-5=-11, 7-8=15
Drag: 5-6=-0
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-5=9, 5-7=18, 2-10=-12, 9-10=-52, 8-9=-12
Horz: 1-2=-13, 2-5=-17, 7-8=-13
Drag: 5-6=-0
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-5=-28, 5-7=-21, 2-10=-20, 9-10=-60, 8-9=-20
Horz: 1-2=4, 2-5=8, 7-8=6
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-5=-12, 5-7=-21, 2-10=-20, 9-10=-60, 8-9=-20
Horz: 1-2=-13, 2-5=-8, 7-8=-22
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=28, 2-5=15, 5-7=15, 2-10=-12, 9-10=-52, 8-9=-12
Horz: 1-2=-37, 2-5=-24, 7-8=20
Drag: 5-6=0
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-5=3, 5-7=3, 2-10=-12, 9-10=-52, 8-9=-12
Horz: 1-2=-24, 2-5=-11, 7-8=20
Drag: 5-6=0
- 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-5=-21, 5-7=-21, 2-10=-20, 9-10=-60, 8-9=-20
Horz: 1-2=-4, 2-5=1, 7-8=10
- 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-5=-21, 5-7=-21, 2-10=-20, 9-10=-60, 8-9=-20
Horz: 1-2=-4, 2-5=1, 7-8=10
- 16) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-7=-20, 2-10=-40, 10-16=-80, 16-17=-100, 9-17=-80, 8-9=-40
- 17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-5=-56, 5-7=-51, 2-10=-35, 10-16=-75, 16-17=-90, 9-17=-75, 8-9=-35
Horz: 1-2=3, 2-5=6, 7-8=5
- 18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-5=-44, 5-7=-51, 2-10=-35, 10-16=-75, 16-17=-90, 9-17=-75, 8-9=-35
Horz: 1-2=-10, 2-5=-6, 7-8=-16
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-5=-51, 5-7=-51, 2-10=-35, 10-16=-75, 16-17=-90, 9-17=-75, 8-9=-35
Horz: 1-2=-3, 2-5=1, 7-8=8

Continued on page 3

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

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031787
6242611	G03	Half Hip	1	1	Job Reference (optional)	

- LOAD CASE(S)** Standard
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
- Vert: 1-2=-47, 2-5=-51, 5-7=-51, 2-10=-35, 10-16=-75, 16-17=-90, 9-17=-75, 8-9=-35
- Horz: 1-2=-3, 2-5=1, 7-8=8
- 21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
- Vert: 1-2=8, 2-5=-25, 5-7=-25, 2-10=-12, 9-10=-52, 8-9=-12
- Horz: 1-2=-16, 2-5=16, 7-8=16
- Drag: 5-6=0
- 22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
- Vert: 1-5=8, 5-7=8, 2-10=-12, 9-10=-52, 8-9=-12
- Horz: 1-5=-16, 7-8=16
- Drag: 5-6=-0

 **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	2169A 2Car Frame	T35031788
6242611	G04	Half Hip	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:07 2024 Page 1
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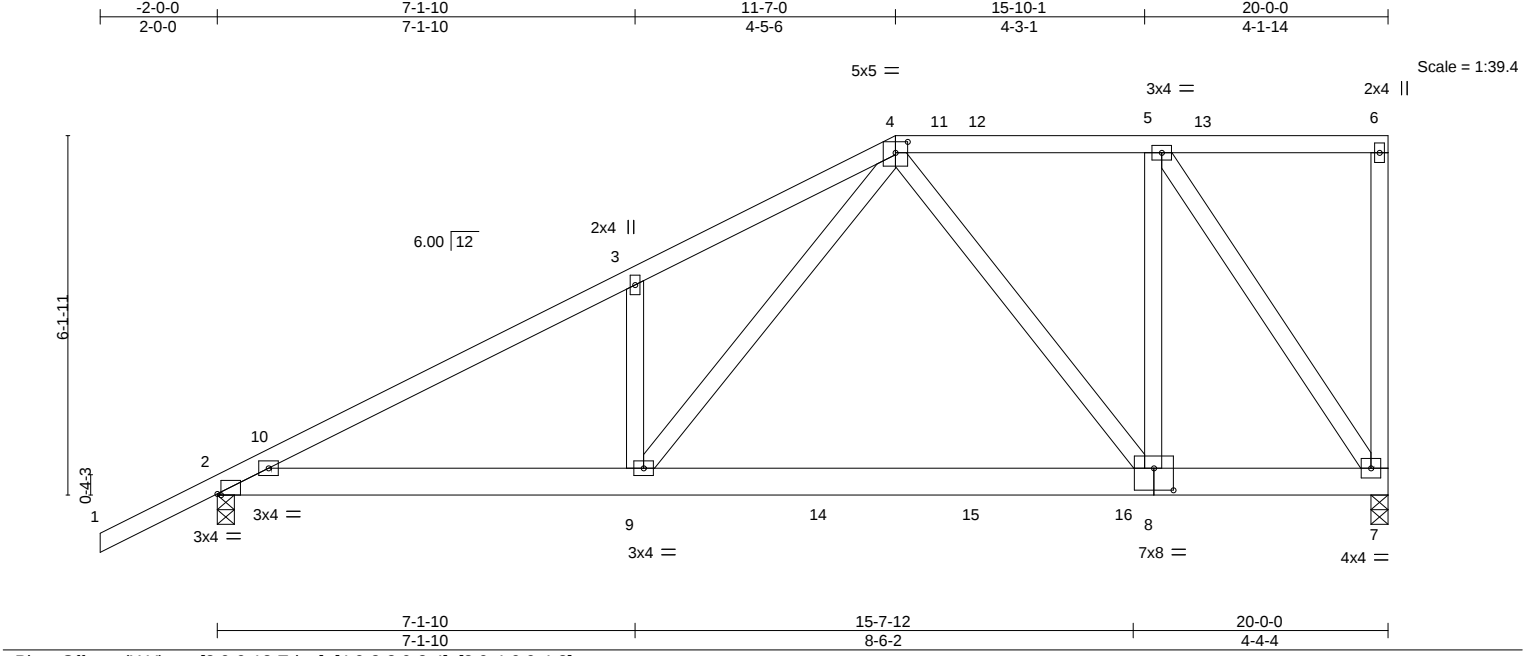


Plate Offsets (X,Y)--		[2:0-0-12,Edge], [4:0-2-8,0-2-4], [8:0-4-0,0-4-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP			
TCLL	20.0	Plate Grip DOL 1.15		TC	0.63	Vert(LL)	-0.07 8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15		BC	0.70	Vert(CT)	-0.23 8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr NO		WB	1.00	Horz(CT)	0.02 7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.02 9	>999	240	Weight: 133 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-11-5 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=187(LC 9)
Max Grav 7=1076(LC 17), 2=1159(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1835/0, 3-4=-1836/0, 4-5=-701/0
BOT CHORD 2-9=0/1617, 8-9=0/932, 7-8=0/713
WEBS 3-9=-364/164, 4-9=0/1122, 4-8=-361/76, 5-8=0/798, 5-7=-1252/0

- NOTES-
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 11-7-0, Zone2 11-7-0 to 15-11-13, Zone1 15-11-13 to 19-10-4 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

- LOAD CASE(S) Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 2-9=-20, 9-16=-60, 7-16=-20
 - 2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-50, 4-6=-50, 2-9=-35, 9-14=-75, 14-15=-90, 15-16=-75, 7-16=-35
 - 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-20, 2-9=-40, 9-16=-80, 7-16=-40
 - 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60



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

September 18,2024

Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031788
6242611	G04	Half Hip	1	1	Job Reference (optional)	

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

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LOAD CASE(S) Standard

- Uniform Loads (plf)
Vert: 1-2=37, 2-10=21, 4-10=16, 4-5=21, 5-6=16, 2-9=-12, 9-16=-52, 7-16=-12
Horz: 1-2=-46, 2-10=-30, 4-10=-25, 6-7=32
Drag: 4-5=-0
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=12, 2-3=16, 3-4=21, 4-13=16, 6-13=21, 2-9=-12, 9-16=-52, 7-16=-12
Horz: 1-2=-20, 2-3=-25, 3-4=-30, 6-7=-20
Drag: 4-5=-0
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-4=-32, 4-6=-32, 2-9=-20, 9-16=-60, 7-16=-20
Horz: 1-2=-13, 2-4=12, 6-7=23
Drag: 4-5=0
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-28, 2-4=-32, 4-6=-32, 2-9=-20, 9-16=-60, 7-16=-20
Horz: 1-2=8, 2-4=12, 6-7=-30
Drag: 4-5=0
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-4=3, 4-12=14, 6-12=8, 2-9=-12, 9-16=-52, 7-16=-12
Horz: 1-2=-24, 2-4=-11, 6-7=15
Drag: 4-12=-0, 5-12=-0
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-4=9, 4-11=14, 6-11=18, 2-9=-12, 9-16=-52, 7-16=-12
Horz: 1-2=-13, 2-4=-17, 6-7=-13
Drag: 4-5=-0
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-4=-28, 4-6=-21, 2-9=-20, 9-16=-60, 7-16=-20
Horz: 1-2=4, 2-4=8, 6-7=6
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-4=-12, 4-6=-21, 2-9=-20, 9-16=-60, 7-16=-20
Horz: 1-2=-13, 2-4=-8, 6-7=-22
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=28, 2-4=15, 4-6=15, 2-9=-12, 9-16=-52, 7-16=-12
Horz: 1-2=-37, 2-4=-24, 6-7=20
Drag: 4-5=-0
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-4=3, 4-6=3, 2-9=-12, 9-16=-52, 7-16=-12
Horz: 1-2=-24, 2-4=-11, 6-7=20
Drag: 4-5=-0
- 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 2-9=-20, 9-16=-60, 7-16=-20
Horz: 1-2=-4, 2-4=1, 6-7=10
- 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 2-9=-20, 9-16=-60, 7-16=-20
Horz: 1-2=-4, 2-4=1, 6-7=10
- 16) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-6=-20, 2-9=-40, 9-14=-80, 14-15=-100, 15-16=-80, 7-16=-40
- 17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-4=-56, 4-6=-51, 2-9=-35, 9-14=-75, 14-15=-90, 15-16=-75, 7-16=-35
Horz: 1-2=3, 2-4=6, 6-7=5
- 18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-4=-44, 4-6=-51, 2-9=-35, 9-14=-75, 14-15=-90, 15-16=-75, 7-16=-35
Horz: 1-2=-10, 2-4=-6, 6-7=-16
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 2-9=-35, 9-14=-75, 14-15=-90, 15-16=-75, 7-16=-35
Horz: 1-2=-3, 2-4=1, 6-7=8

Continued on page 3

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

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031788
6242611	G04	Half Hip	1	1	Job Reference (optional)	

- LOAD CASE(S)** Standard
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
- Vert: 1-2=-47, 2-4=-51, 4-6=-51, 2-9=-35, 9-14=-75, 14-15=-90, 15-16=-75, 7-16=-35
- Horz: 1-2=-3, 2-4=1, 6-7=8
- 21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
- Vert: 1-2=8, 2-4=-25, 4-6=-25, 2-9=-12, 9-16=-52, 7-16=-12
- Horz: 1-2=-16, 2-4=16, 6-7=16
- Drag: 4-5=0
- 22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)
- Vert: 1-4=8, 4-6=8, 2-9=-12, 9-16=-52, 7-16=-12
- Horz: 1-4=-16, 6-7=16
- Drag: 4-5=-0

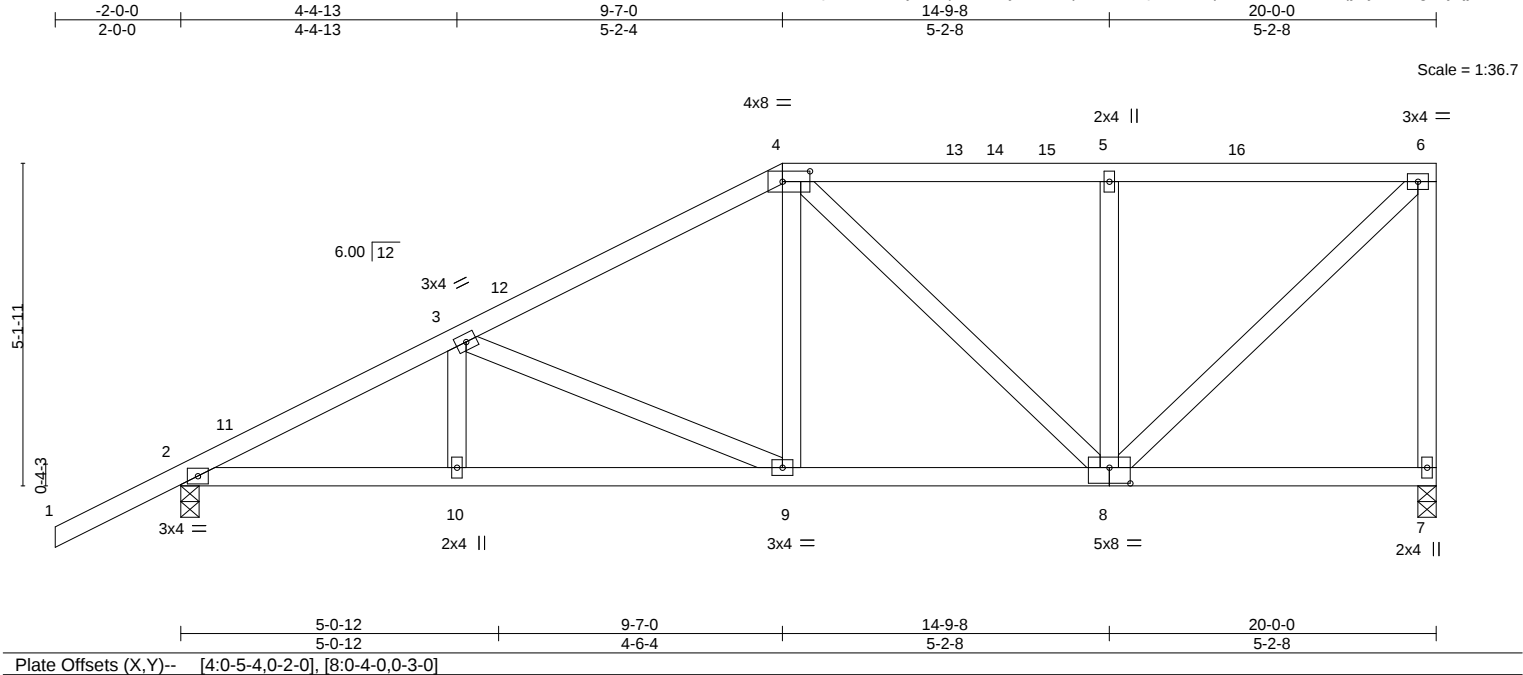
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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031789
6242611	G05	Half Hip	1	1		
Job Reference (optional)						

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:08 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-qfWd4WoQDZkNz?pcfe9nsDOG8Rnqyhy1CClgJZycjiz



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.34	Vert(LL)	-0.04	9-10	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.38	Vert(CT)	-0.09	9-10	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.23	Horz(CT)	0.03	7	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.02	9-10	>999	Weight: 116 lb	FT = 20%

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

REACTIONS.	(size) 7=0-3-8, 2=0-3-8
	Max Horz 2=158(LC 9)
	Max Uplift 7=-48(LC 9), 2=-96(LC 12)
	Max Grav 7=781(LC 1), 2=924(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1395/75, 3-4=-974/109, 4-5=-646/119, 5-6=-646/119, 6-7=-734/114
BOT CHORD	2-10=-239/1183, 9-10=-239/1183, 8-9=-171/814
WEBS	3-9=-409/72, 4-9=0/336, 5-8=-348/105, 6-8=-105/878

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 9-7-0, Zone2 9-7-0 to 13-9-15, Zone1 13-9-15 to 19-10-4 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2.

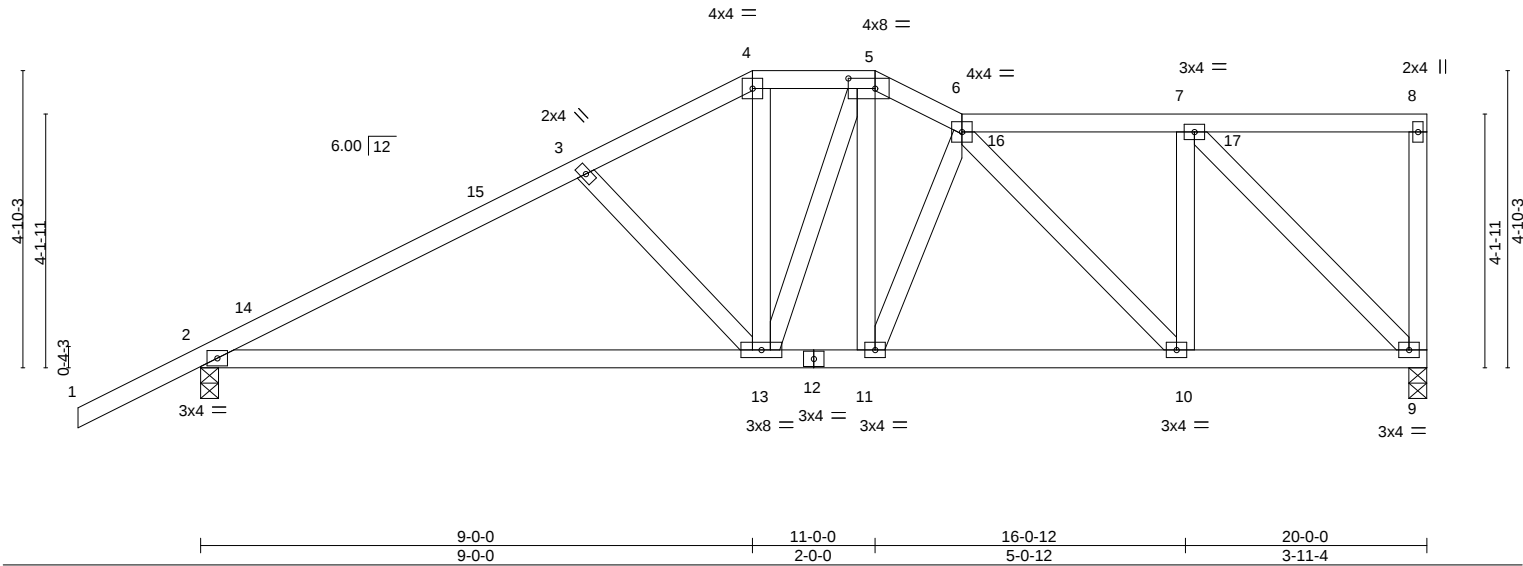


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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031790
6242611	G06	Roof Special	1	1		

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:08 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-qfWd4WoQDZkNz?pcfe9nsDOFmRgDydZ1CCLgJZycijz
Job Reference (optional)
-2-0-0 6-3-6 9-0-0 11-0-0 12-5-0 16-0-12 20-0-0
2-0-0 6-3-6 2-8-10 2-0-0 1-5-0 3-7-12 3-11-4
Scale = 1:37.6



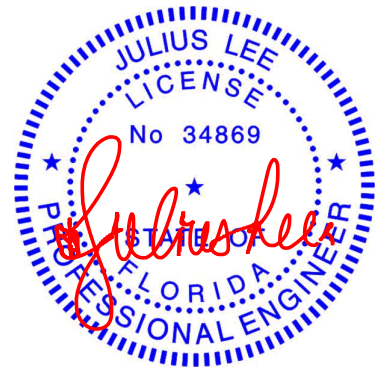
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.43	Vert(LL)	-0.17 2-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.80	Vert(CT)	-0.36 2-13	>661	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.45	Horz(CT)	0.03 9	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.02 2-13	>999	240	Weight: 121 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-7-10 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS.	(size) 9=0-3-8, 2=0-3-8
Max Horz	2=140(LC 11)
Max Uplift	9=-34(LC 9), 2=-97(LC 12)
Max Grav	9=781(LC 1), 2=924(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1264/168, 3-4=-1015/151, 4-5=-862/146, 5-6=-944/177, 6-7=-655/128
BOT CHORD	2-13=-288/1052, 11-13=-196/835, 10-11=-208/931, 9-10=-144/654
WEBS	3-13=-295/144, 4-13=-16/344, 6-11=-278/87, 6-10=-402/92, 7-10=0/415, 7-9=-920/145

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 9-0-0, Zone3 9-0-0 to 12-5-0, Zone1 12-5-0 to 19-10-4 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2.



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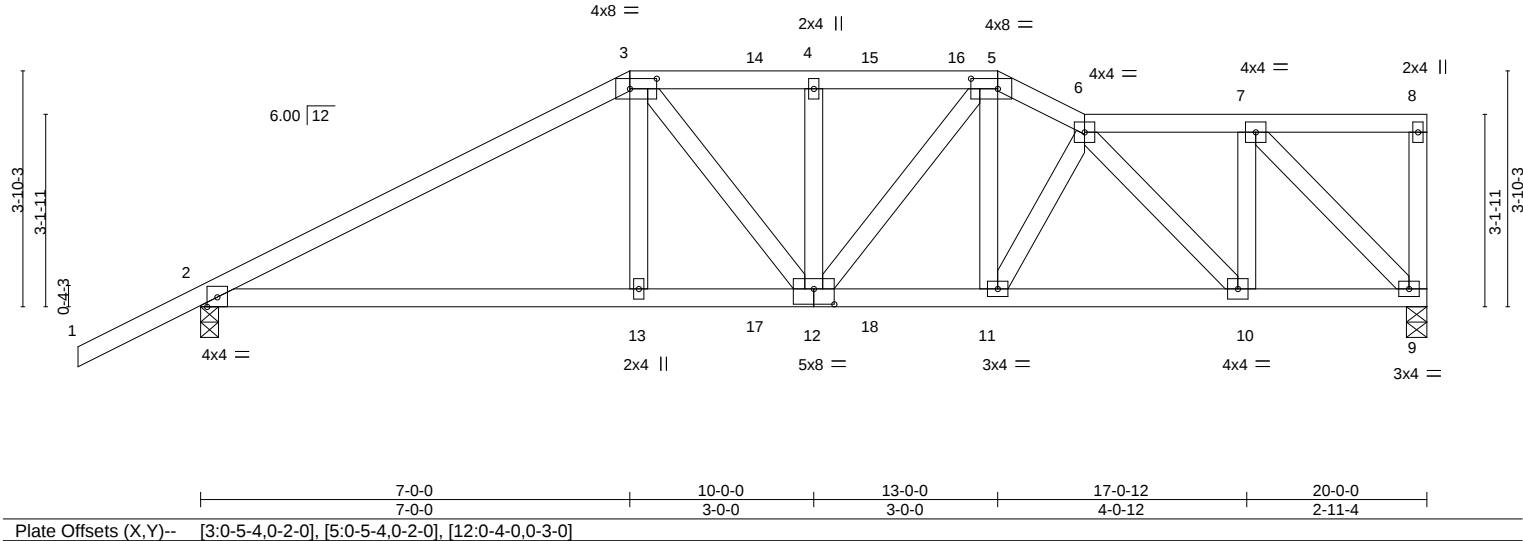
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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031791
6242611	G07	Roof Special Girder	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:09 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbYlAWH-Is4?Hsp2_tsEb8OpCMg0PRxMXr?oh45ARs5Ds?ycjy
-2-0-0 7-0-0 10-0-0 13-0-0 14-5-0 17-0-12 20-0-0
2-0-0 7-0-0 3-0-0 3-0-0 1-5-0 2-7-12 2-11-4
Scale = 1:37.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.68	Vert(LL)	-0.09	2-13	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.84	Vert(CT)	-0.20	2-13	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.50	Horz(CT)	0.07	9	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S	Wind(LL)	0.04	12	>999	Weight: 114 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied or 3-4-5 oc purlins, except end verticals.
1-3: 2x4 SP M 31 or 2x4 SP SS	
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 9=0-4-0, 2=0-3-8
Max Horz 2=110(LC 7)
Max Uplift 9=-36(LC 5), 2=-83(LC 8)
Max Grav 9=1411(LC 1), 2=1525(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2553/14, 3-4=-2394/69, 4-5=-2394/69, 5-6=-2465/62, 6-7=-1292/48
BOT CHORD 2-13=-30/2181, 12-13=-23/2198, 11-12=-49/2225, 10-11=-61/2269, 9-10=-45/1292
WEBS 3-13=0/603, 3-12=-112/393, 4-12=-374/129, 5-12=-17/303, 5-11=0/559, 6-10=-1433/25, 7-10=0/1110, 7-9=-1826/38

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 142 lb down and 86 lb up at 7-0-0, 123 lb down and 83 lb up at 9-0-12, and 123 lb down and 83 lb up at 10-11-4, and 262 lb down and 178 lb up at 13-0-0 on top chord, and 315 lb down at 7-0-0, 96 lb down at 9-0-12, and 96 lb down at 10-11-4, and 315 lb down at 12-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 5-6=-60, 6-8=-60, 2-9=-20



Julius Lee PE No. 34869
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Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031791
6242611	G07	Roof Special Girder	1	1	Job Reference (optional)	

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 3=-123(B) 5=-215(B) 13=-275(B) 11=-275(B) 14=-123(B) 15=-123(B) 17=-48(B) 18=-48(B)

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031792
6242611	H4	DIAGONAL HIP GIRDER	2	1		
Job Reference (optional)						

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

Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:09 2024 Page 1

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Scale = 1:16.7

LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.98		Vert(LL)	0.04	2-6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.26		Vert(CT)	-0.07	2-6	>902	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.03		Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	-0.06	2-6	>999	240	Weight: 23 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 5-3-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=83(LC 27)
Max Uplift 4=38(LC 8), 2=215(LC 8), 5=34(LC 13)
Max Grav 4=108(LC 1), 2=376(LC 31), 5=66(LC 27)

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

NOTES-

- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=215.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 186 lb up at 1-4-15, 87 lb down and 186 lb up at 1-4-15, and 52 lb down and 23 lb up at 4-2-15, and 52 lb down and 23 lb up at 4-2-15 on top chord, and at 1-4-15, at 1-4-15, and 12 lb down at 4-2-15, and 12 lb down at 4-2-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 7=124(F=62, B=62) 10=-2(F=-1, B=-1)



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

September 18,2024

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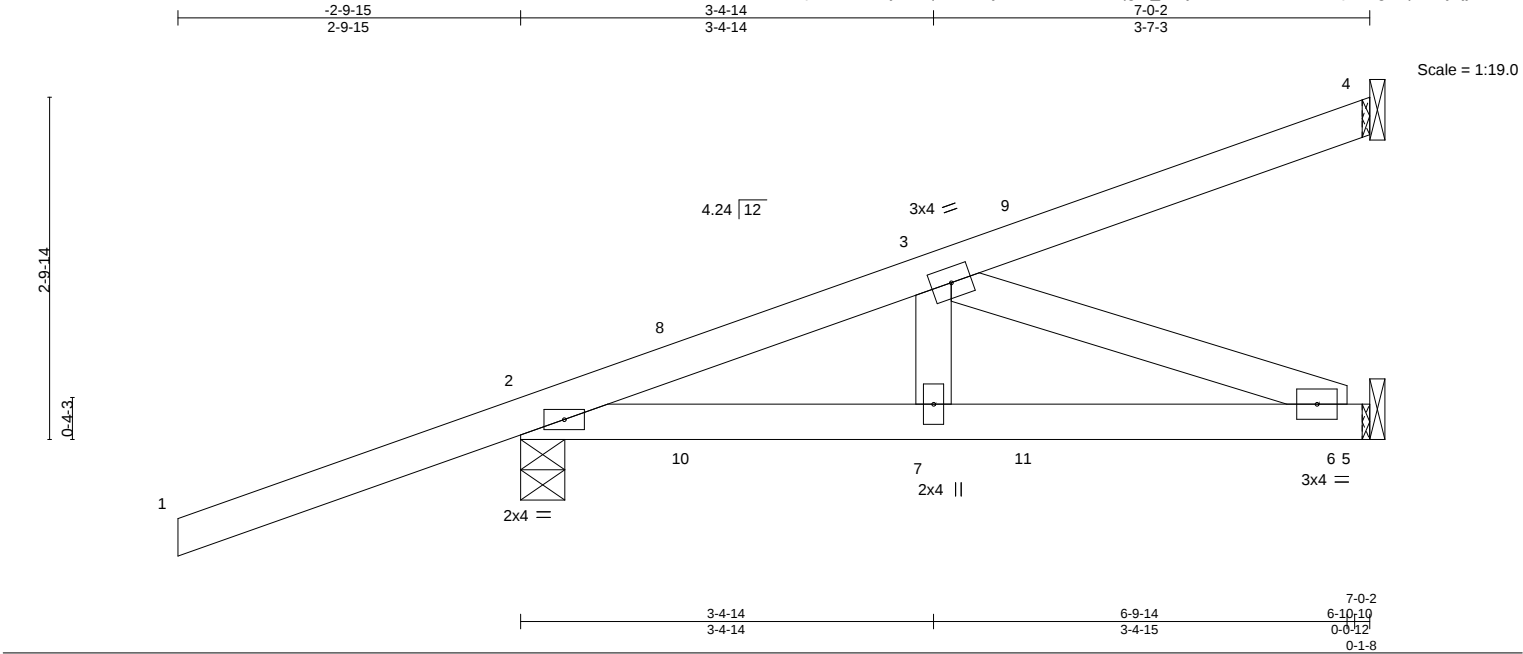
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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031793
6242611	H5	Diagonal Hip Girder	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:10 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-m2eNVCqglB_5Cly?m3CFxeTSaEWhQdnKgWqnORycijx



LOADING (psf)	SPACING-		CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	2-0-0	TC 0.98		Vert(LL) -0.01	6-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15		BC 0.16		Vert(CT) -0.01	6-7	>999	240		
BCLL 0.0 *	Rep Stress Incr NO		WB 0.09		Horz(CT) 0.00	5	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL) -0.01	7	>999	240	Weight: 33 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-6, 5=Mechanical
Max Horz 2=95(LC 8)
Max Uplift 4=-31(LC 8), 2=-173(LC 8), 5=-5(LC 5)
Max Grav 4=127(LC 19), 2=458(LC 31), 5=146(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-424/59
BOT CHORD 2-7=-59/333, 6-7=-59/333
WEBS 3-6=-355/63

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=173.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 88 lb down and 186 lb up at 1-4-15, 88 lb down and 186 lb up at 1-4-15, and 64 lb down and 48 lb up at 4-2-15, and 54 lb down and 23 lb up at 4-2-15 on top chord, and at 1-4-15, at 1-4-15, and 11 lb down at 4-2-15, and 11 lb down at 4-2-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 8=124(F=62, B=62)



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

September 18,2024

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

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

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031794
6242611	H7	Diagonal Hip Girder	4	1	Job Reference (optional)	

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

Ocala, FL - 34472,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:10 2024 Page 1

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2-9-15

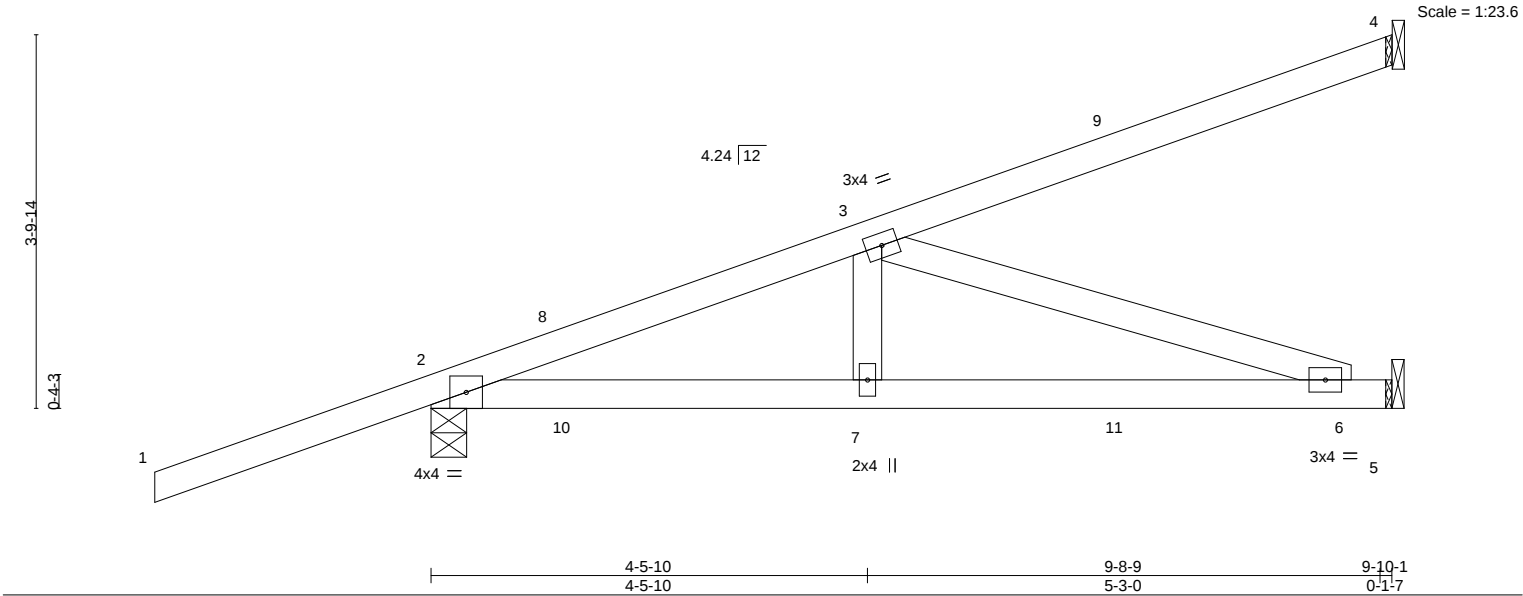
4-5-10

9-10-1

2-9-15

4-5-10

5-4-7



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.06	MT20		244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.14				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.01				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	-0.03				
								Weight: 44 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 4-5-7 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 4=Mechanical, 2=0-4-6, 5=Mechanical
 Max Horz 2=119(LC 8)
 Max Uplift 4=-57(LC 8), 2=-179(LC 8)
 Max Grav 4=176(LC 1), 2=586(LC 3), 5=276(LC 3)

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

TOP CHORD 2-3=-812/68
 BOT CHORD 2-7=-99/695, 6-7=-99/695
 WEBS 3-7=0/288, 3-6=-731/104

NOTES-

- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=179.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 88 lb down and 186 lb up at 1-4-15, 88 lb down and 186 lb up at 1-4-15, 64 lb down and 48 lb up at 4-2-15, 54 lb down and 23 lb up at 4-2-15, and 95 lb down and 78 lb up at 7-0-14, and 83 lb down and 56 lb up at 7-0-14 on top chord, and at 1-4-15, at 1-4-15, 11 lb down at 4-2-15, 11 lb down at 4-2-15, and 39 lb down at 7-0-14, and 39 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-60, 2-5=-20
 Concentrated Loads (lb)
 Vert: 8=124(F=62, B=62) 9=-89(F=-30, B=-59) 11=-39(F=-20, B=-20)



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

September 18,2024

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

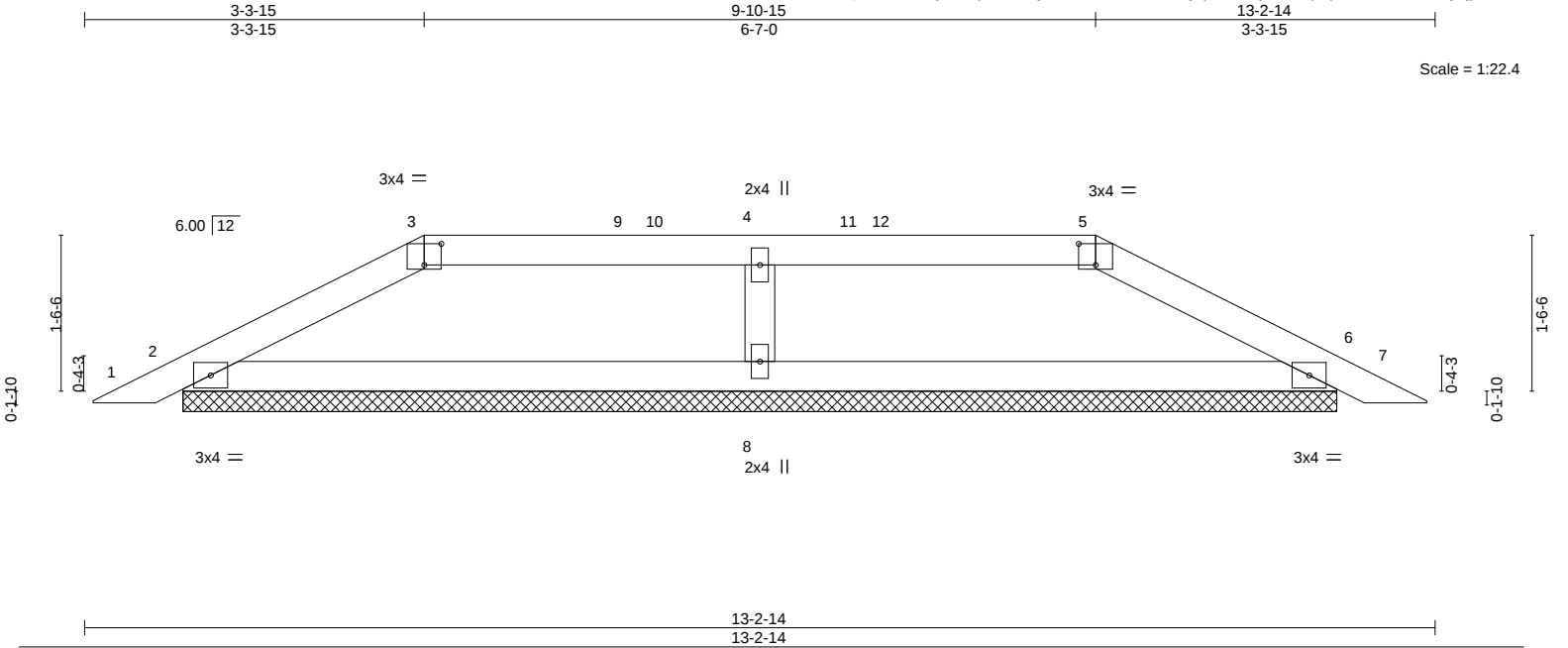
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031795
6242611	PB1	Piggyback	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:11 2024 Page 1
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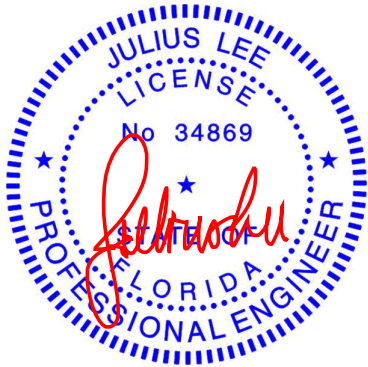
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.18	Vert(LL)	0.01	7	n/r	120	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.31	Vert(CT)	0.01	7	n/r	120	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.01	6	n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S						
									Weight: 39 lb FT = 20%

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

REACTIONS. (size) 2=11-3-12, 6=11-3-12, 8=11-3-12
Max Horz 2=-24(LC 10)
Max Uplift 2=-43(LC 12), 6=-43(LC 12)
Max Grav 2=297(LC 1), 6=297(LC 1), 8=380(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-352/143, 3-4=-290/143, 4-5=-290/143, 5-6=-352/143
BOT CHORD 2-8=-85/290, 6-8=-85/290

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-4-11 to 3-3-15, Zone2 3-3-15 to 7-6-14, Zone1 7-6-14 to 9-10-15, Zone3 9-10-15 to 12-10-4 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
 - 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.
 - 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) 2, 6.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

September 18,2024

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031796
6242611	PB2	Piggyback	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:11 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbylAWH-EEClYrIVU6yqSXBKnjUUs0pqrX95vTuAaKwuyCjjw
5-3-15 11-2-15 20-2-14
5-3-15 5-11-0 8-11-15

Scale = 1:34.9

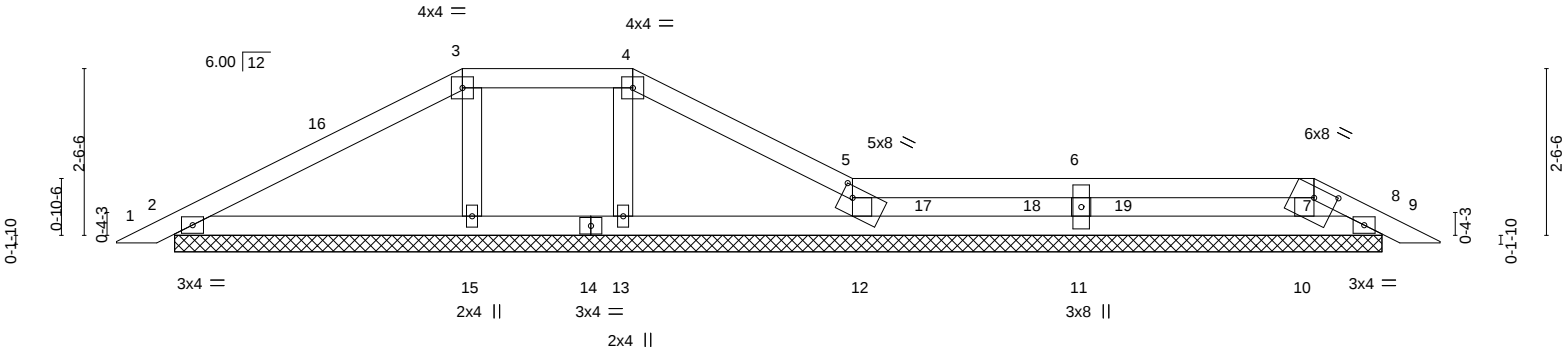


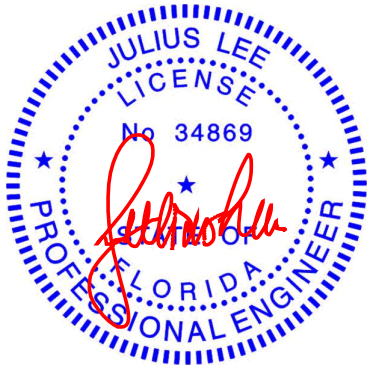
Plate Offsets (X,Y)--		[5:0-2-0,0-2-0], [7:0-4-0,0-1-15]		20-2-14 20-2-14	
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d
TCLL 20.0	Plate Grip DOL	1.15	TC 0.25	Vert(LL)	-0.00 8 n/r 120
TCDL 10.0	Lumber DOL	1.15	BC 0.16	Vert(CT)	-0.00 8 n/r 120
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00 8 n/a n/a
BCDL 10.0	Code FBC2023/TPI2014		Matrix-S		
				Weight: 66 lb	FT = 20%

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

REACTIONS. All bearings 18-3-12.
(lb) - Max Horz 2=-41(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 11, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 13, 8 except 12=283(LC 1), 15=318(LC 23), 11=305(LC 24)

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

- NOTES-
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-4-11 to 3-4-11, Zone1 3-4-11 to 5-3-15, Zone3 5-3-15 to 11-2-15, Zone1 11-2-15 to 18-2-15, Zone3 18-2-15 to 19-10-4 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
 - 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.
 - 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) 2, 12, 11, 8.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

September 18,2024

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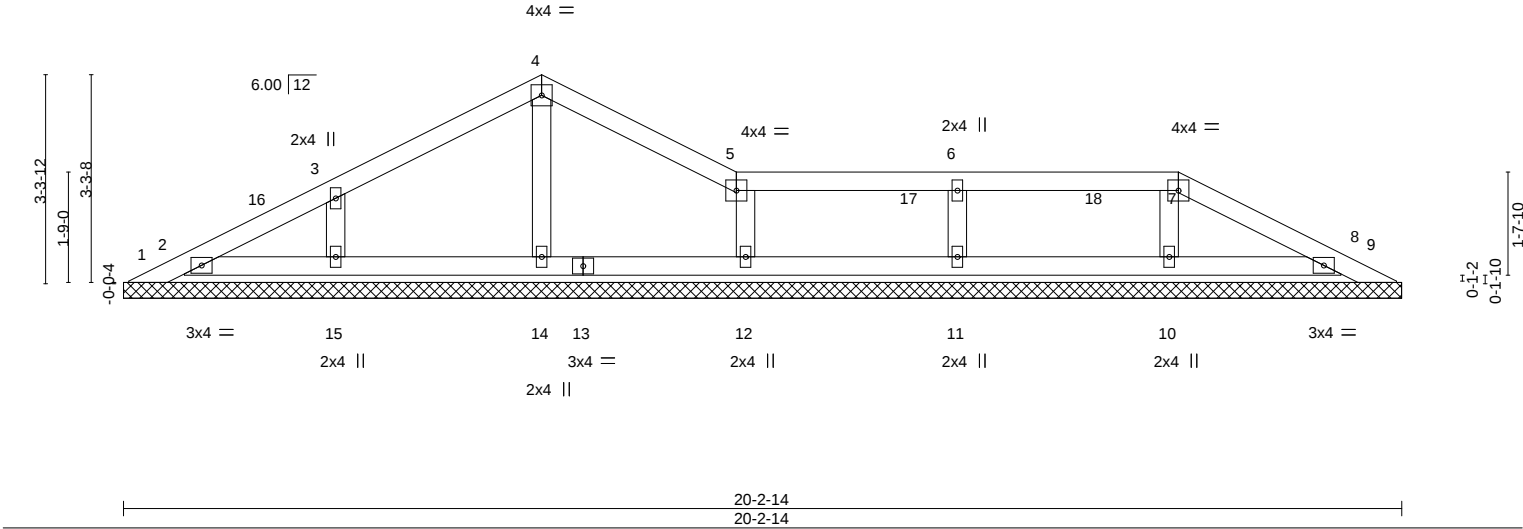
Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031797
6242611	PB3	GABLE	1	1	Job Reference (optional)	

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

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:12 2024 Page 1
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Scale = 1:36.5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.16	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 10.0	Lumber DOL	1.15	BC 0.08	Vert(CT)	n/a	-	n/a	999	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	8	n/a	n/a	
BCDL 10.0	Code FBC2023/TP12014		Matrix-S						
									Weight: 70 lb FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 20-2-14.
(lb) - Max Horz 1=51(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 2, 15, 12, 11, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 9, 2, 14, 10, 8 except 15=259(LC 23), 12=261(LC 24), 11=306(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-4-11 to 3-4-5, Zone1 3-4-5 to 6-7-7, Zone3 6-7-7 to 9-8-7, Zone1 9-8-7 to 16-8-7, Zone3 16-8-7 to 19-10-4 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- 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) 1, 9, 2, 15, 12, 11, 10, 8.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

September 18,2024

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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031798
6242611	PB4	GABLE	1	1	Job Reference (optional)	

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

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:13 2024 Page 1

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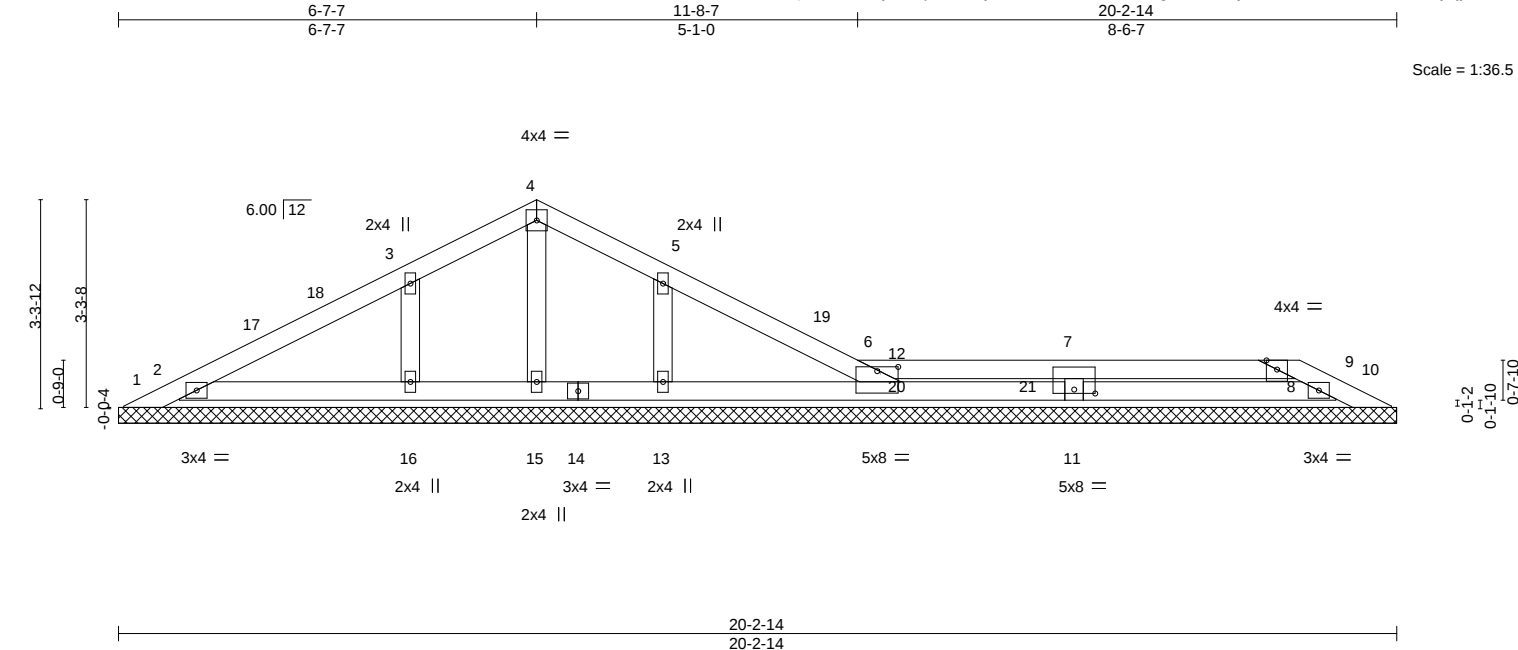


Plate Offsets (X, Y)--		[8:0-2-0,0-1-12], [11:0-4-0,0-0-12], [12:0-4-0,0-0-13]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.15	TC 0.20
TCDL 10.0	Lumber DOL	1.15	BC 0.13
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-S
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) n/a - n/a 999
			Vert(CT) n/a - n/a 999
			Horz(CT) 0.00 9 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 70 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 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.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 20-2-14.

(lb) - Max Horz 1=51(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 12, 2, 16, 13, 11, 9 except 1=-110(LC 17), 10=-133(LC 24)

Max Grav All reactions 250 lb or less at joint(s) 1, 12, 10, 15 except 2=289(LC 23), 16=268(LC 1), 13=284(LC 24), 11=302(LC 1), 9=341(LC 24)

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

- NOTES-
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-4-11 to 3-4-11, Zone1 3-4-11 to 6-7-7, Zone2 6-7-7 to 10-10-6, Zone1 10-10-6 to 18-8-1, Zone3 18-8-1 to 19-10-4 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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 2, 16, 13, 11, 9 except (jt=lb) 1=110, 10=133.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

September 18,2024

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

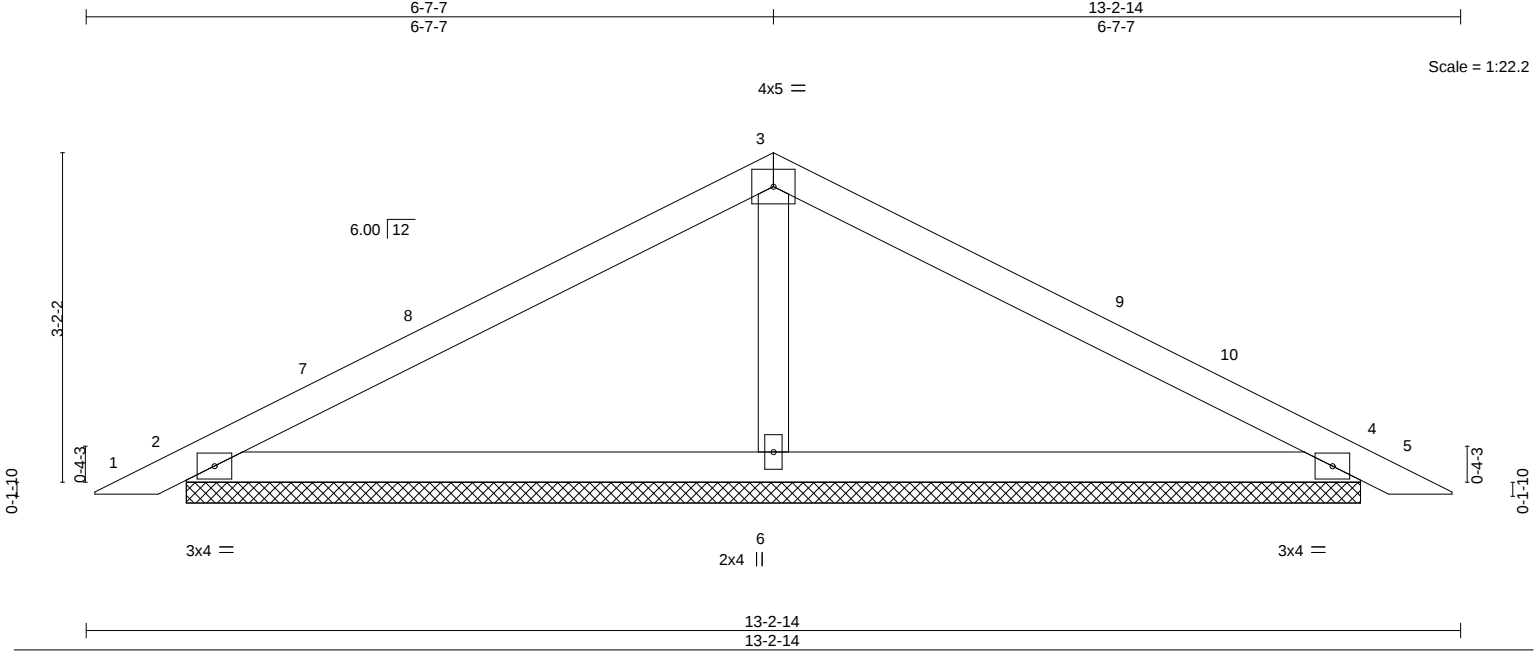
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031799
6242611	PB5	Piggyback	3	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:14 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-eptuKatBoPVXhwGm?vGB6UeHsraMSFva7o_XDycijt



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.45	Vert(LL)	0.02	5	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.31	Vert(CT)	0.03	5	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Code FBC2023/TP12014		Matrix-S					Weight: 42 lb	FT = 20%

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

REACTIONS. (size) 2=11-3-12, 4=11-3-12, 6=11-3-12
Max Horz 2=-51(LC 10)
Max Uplift 2=-38(LC 12), 4=-38(LC 12)
Max Grav 2=244(LC 23), 4=244(LC 24), 6=492(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-320/146

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-4-11 to 3-4-11, Zone1 3-4-11 to 6-7-7, Zone2 6-7-7 to 10-10-6, Zone1 10-10-6 to 12-10-4 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
 - 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) 2, 4.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

September 18,2024

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

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Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	T35031800
6242611	PB6	Piggyback	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:14 2024 Page 1
ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-eptuKatBoPVXhwGm?vGB6Uelxsq3MSpva7o_XDycijt
5-3-15 5-3-15 7-10-15 2-7-0 13-2-14 5-3-15
Scale = 1:22.4

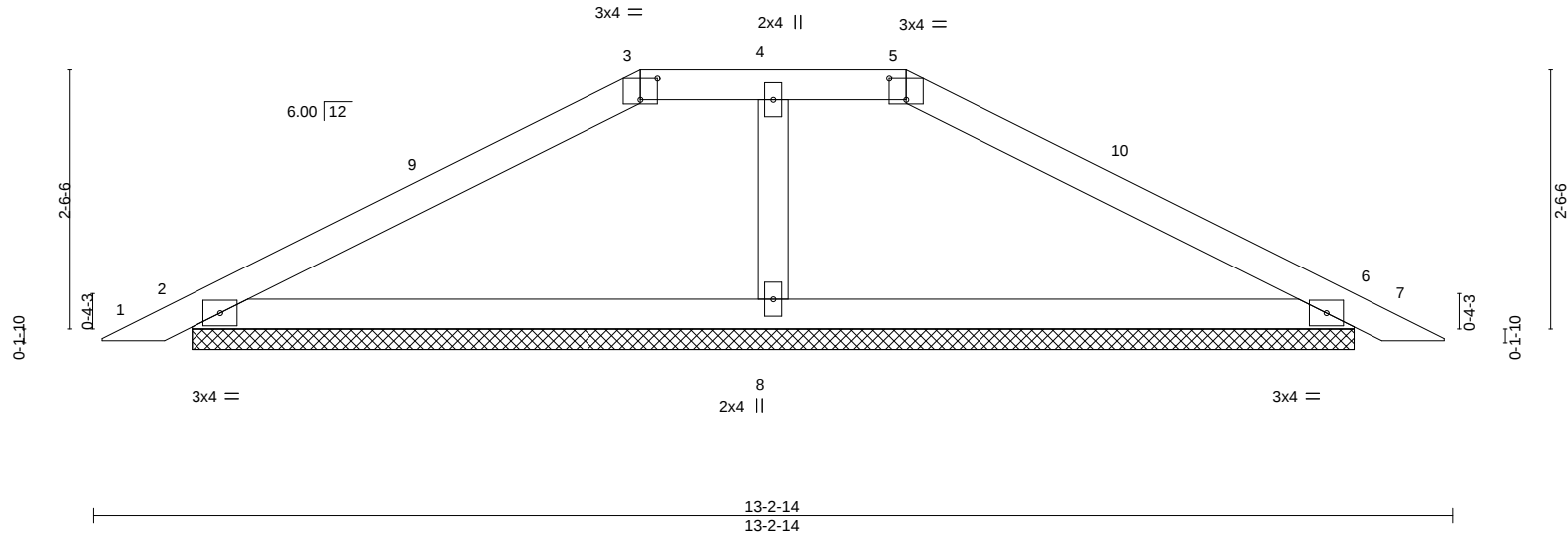


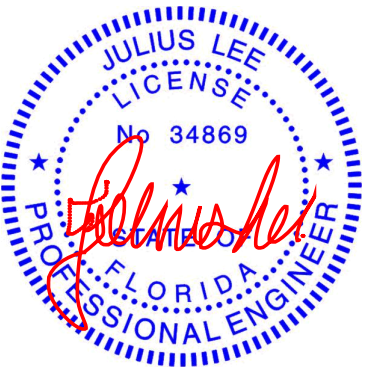
Plate Offsets (X,Y)--		[3:0-2-0,0-2-8], [5:0-2-0,0-2-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	0.01	7	n/r	120	MT20 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	0.02	7	n/r	120	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.01	6	n/a	n/a	
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 41 lb FT = 20%

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

REACTIONS.	(size) 2=11-3-12, 6=11-3-12, 8=11-3-12
Max Horz	2=41(LC 11)
Max Uplift	2=-59(LC 12), 6=-59(LC 12)
Max Grav	2=341(LC 1), 6=341(LC 1), 8=314(LC 3)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-368/167, 3-4=-275/177, 4-5=-275/177, 5-6=-368/167
BOT CHORD	2-8=-84/275, 6-8=-84/275

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-4-11 to 3-4-11, Zone1 3-4-11 to 5-3-15, Zone3 5-3-15 to 7-10-15, Zone2 7-10-15 to 12-3-5, Zone1 12-3-5 to 12-10-4 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
 - 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.
 - 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) 2, 6.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

September 18,2024

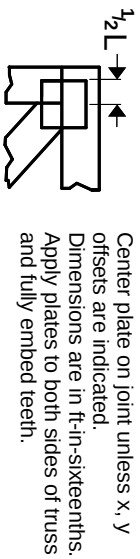
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

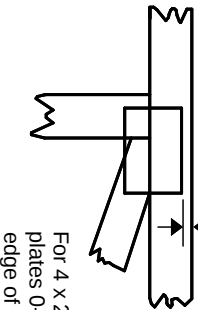
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Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

4 X 4

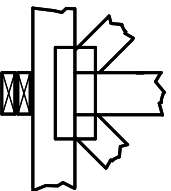
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

Industry Standards:

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

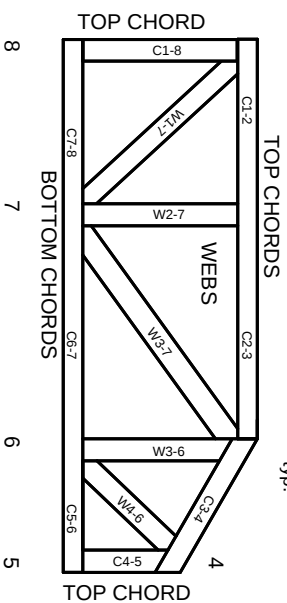
Numbering System

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

1

2

3 Joint ID typ.



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.



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

- *** Signature of this document acknowledges that the client has reviewed this truss placement diagram in its entirety as in agreement with the following terms, including, but not limited to:
- The client is responsible to verify the accuracy of information submitted for use in design, fabrication and scheduling. Any labor, material or time delay incurred from inadequate or incorrect information supplied from the client, will be at the client's expense. Any field measurements by an associate of Tibbetts Lumber Co., LLC, are performed as a courtesy to the client and shall be verified by the client.
 - Design Criteria: The client acknowledges that the truss design criteria noted on this truss placement diagram meets or exceeds the design criteria specified by the building designer, engineer of record, and local and state building requirements.
 - Fabrication and Delivery: One approved truss placement diagram must be returned to the truss manufacturer before fabrication and delivery will be scheduled. It is the client's responsibility to co-ordinate deliver dates with the truss manufacturer. The client shall provide a marked location for delivery, which must be accessible, level and clear of materials and debris. In lieu of this, truss will be delivered in the best available location at our driver's discretion. Care and handling of the trusses following delivery is the responsibility of the client.
 - Installation & Bracing: BCSI 2008 (Building Component Safety Information) WTCA/TPI guidelines shall be followed when handling, installing & bracing trusses. Temporary and/or permanent bracing and blocking is not included in this truss package. Trusses shall be braced to prevent rotation and provide lateral stability in accordance with the requirements specified in the construction documents for the building and as the individual truss design drawings. The overall stability of the truss system is the responsibility of the building designer.
 - Field Framing: 1) Tray ceilings and other ceiling transitions require field framing by others. 2) Ceiling drops and valleys not shown are to be field framed by others. 3) Overhangs may be overhang cut to fit in the field. Overhangs are 2'4" or 2'6" - no blocking is applied. Corner jacks will be square cut and hip jacks will be double levelled.
 - Require Truss related problems are to be reported to the truss manufacturer ASAP, preferably in writing. Do Not Cut Any Trusses before contacting the truss manufacturer with specifics of the problem. Any field modification made without an engineered repair drawing will be the responsibility of the client. No back charges or crane charges of any kind will be accepted unless specifically approved in writing by the truss manufacturer's manager.
 - This Truss Placement Diagram was not created by an engineer, rather by Tibbetts Lumber Co., LLC staff and is purely to be used as an installation guide and does not require a seal. Truss design analysis are on the Truss Design Drawings, which may be noted by the Truss Design Engineer.

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

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

Mitek Engineering		Exposure	: B
Building Code	: FBC 2023	Mean Height	: ≤ 15'
	: ASCE 7-22	Bldg. Category	: II
	: TPI 1-2014	Importance Factor	: 1.00
Truss Design	: Comp. & Cladding	Enclosure	: Enclosed
Uplift Calculations	: MWFRS	Entry	: Exposed to Wind
Wind Speed	: 130 mph US	Lanai	: Exposed to Wind

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

CONNECTORS	Roof Truss to Truss Connectors				Floor Truss to Truss Connectors				
	A TYP: THD26				TYP: THD46				
	A*	JUS24	G	THDH28-2	M	Q	THDH46	W	MSH422IF
	B	THD26-2	H	THDH28-3	N	R	THD48	X	MSH426
	C	THDH26-2	I	THDH210-3	O	S	THDH48	Y	MSH426IF
	D	THDH26-3	J	GTWS2T		T	THDH410	Z	
	E	THD28	K	GTWS3T		U	THDH610		
	F	THDH28	L	GTWS4T		V	MSH4622		

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

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

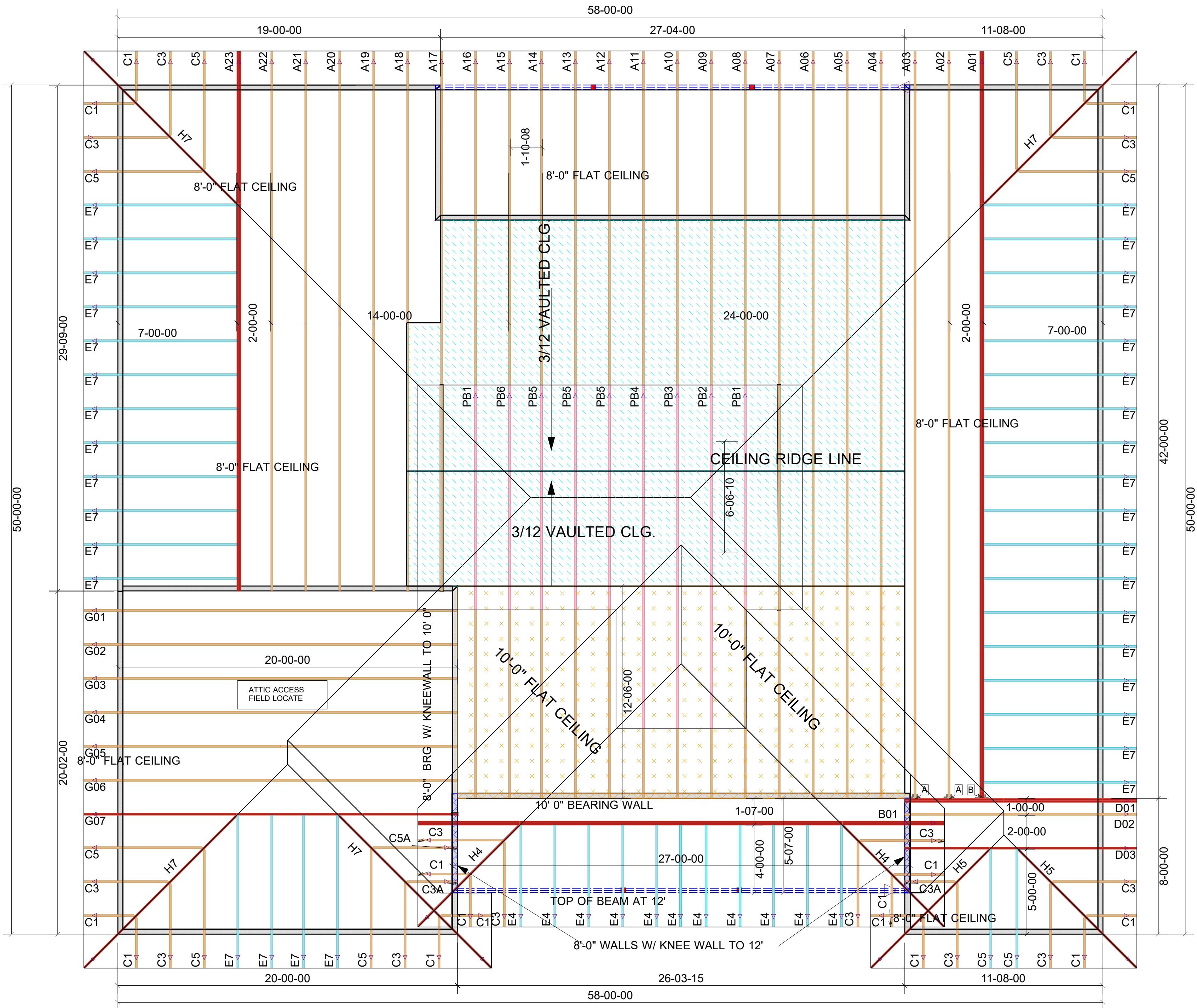
Only points listed above have reactions > 5000# or Uplift > 1000#.
Values shown on the sealed Truss Design Drawings supersede the above

NOTES	
N1	.
N2	.
N3	.
N4	.
N5	.
N6	.
N7	.
N8	.
N9	.
Diamond indicates left side of truss on truss design drawings	

Client Info	
Client:	Adams Homes
Project:	Model 2169 A
Address:	Lot # 08 The Preserve at Laurel Lake
	.
	Lake City ,Florida

Rev.	
Date	: 9/17/24
Revised	: .
Scale	: 1/4" = 1'-0"
Drawn By	: Steve R
Sheet #	: 1 of 1
Job #	: 6242611

Hatch Legend	
3/12 Vaulted Ceiling	
10'-0" Flat Ceiling	
10'-0" BEARING WALL	
KNEE WALL TO 12'	



*** Approved By: _____ Delivery Date: _____

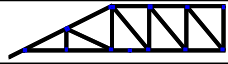
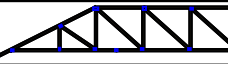
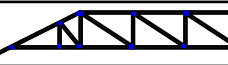
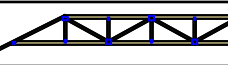
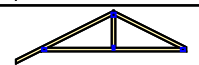
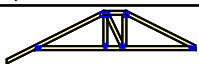
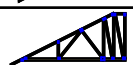
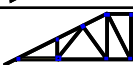
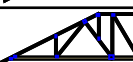
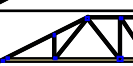
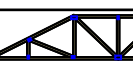
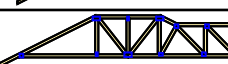
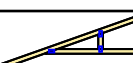
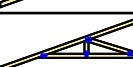
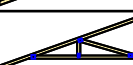
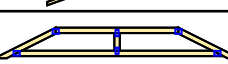
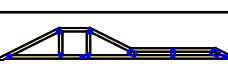
Please Print Name _____ Employed By _____ Approval Date _____

 TIBBETTS LUMBER CO. Since 1949 WWW.TIBBETSLUMBER.COM	Tibbetts Lumber Ocala 6100 SE 68th St Ocala, FL 34472 Phone: 352-347-7661 www.tibbettslumber.com	Reaction Summary Job Number: 6242611-R Quoted On: Ordered On: 9/17/2024 Scheduled Delivery On: Product: Roof

Customer Information Adams Homes of NW FL - Gainesville Address & Phone Phone:	Job Information The Preserve at Laurel Lake 089 Address 297 SW Silver Palm Dr Lake City FL 32024																		
Contact	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Lot</td> <td style="width: 33%;">Sub-Division</td> <td style="width: 34%;"></td> </tr> <tr> <td>089</td> <td>The Preserve at Laurel Lake</td> <td></td> </tr> <tr> <td>Sales Person</td> <td colspan="2">Customer P.O. No.</td> </tr> <tr> <td>Chris Adam</td> <td colspan="2"></td> </tr> <tr> <td>Estimator</td> <td colspan="2">Designer</td> </tr> <tr> <td>Steven Roberts</td> <td colspan="2">Steven Roberts</td> </tr> </table>	Lot	Sub-Division		089	The Preserve at Laurel Lake		Sales Person	Customer P.O. No.		Chris Adam			Estimator	Designer		Steven Roberts	Steven Roberts	
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089	The Preserve at Laurel Lake																		
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Estimator	Designer																		
Steven Roberts	Steven Roberts																		

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

Roof Trusses									
Label	Profile	Qty Ply	Span Height	TC Pitch BC Pitch	TC BC	Reactions			
A01		1	42-00-00	6 /12	2 x 6	Joint 2	Joint 9		
		2-ply	4-09-15		2 x 6	3306 -220	3479 -246		
A02		1	42-00-00	6 /12	2 x 4	Joint 10	Joint 2		
		1-ply	5-09-15		2 x 4	1665 -71	1800 -135		
A03		1	42-00-00	6 /12	2 x 4	Joint 10	Joint 2		
		1-ply	6-09-15		2 x 4	1665 -71	1800 -135		
A04		1	42-00-00	6 /12	2 x 4	Joint 12	Joint 18	Joint 2	
		1-ply	7-09-15	3 /12	2 x 4	1136 -47	2822 -204	-39 -701	
A05		1	42-00-00	6 /12	2 x 4	Joint 10	Joint 15	Joint 2	
		1-ply	8-09-15	3 /12	2 x 4	1216 -52	2396 -181	-25 -353	
A06		1	42-00-00	6 /12	2 x 4	Joint 11	Joint 17	Joint 2	
		1-ply	9-09-15	3 /12	2 x 4	1233 -54	2306 -107	46 -266	
A07		1	42-00-00	6 /12	2 x 4	Joint 11	Joint 18	Joint 2	
		1-ply	10-09-15	3 /12	2 x 4	1374 -55	2450 -101	72 -163	
A08		1	42-00-00	6 /12	2 x 4	Joint 11	Joint 16	Joint 2	
		1-ply	10-02-00	3 /12	2 x 4	1385 -55	2435 -104	49 -155	
A09		1	42-00-00	6 /12	2 x 4	Joint 11	Joint 16	Joint 2	
		1-ply	10-02-00	3 /12	2 x 4	1385 -55	2435 -104	49 -155	
A10		1	42-00-00	6 /12	2 x 4	Joint 11	Joint 16	Joint 2	
		1-ply	10-02-00	3 /12	2 x 4	1385 -55	2435 -104	49 -155	
A11		1	42-00-00	6 /12	2 x 4	Joint 11	Joint 16	Joint 2	
		1-ply	10-02-00	3 /12	2 x 4	1385 -55	2435 -104	49 -155	
A12		1	42-00-00	6 /12	2 x 4	Joint 12	Joint 18	Joint 2	
		1-ply	10-01-15	3 /12	2 x 4	1379 -54	2451 -107	50 -173	
A13		1	42-00-00	6 /12	2 x 4	Joint 12	Joint 18	Joint 2	
		1-ply	10-01-15	3 /12	2 x 4	1368 -53	2413 -180	44 -194	
A14		1	42-00-00	6 /12	2 x 4	Joint 11	Joint 16	Joint 2	
		1-ply	10-01-15	3 /12	2 x 4	1361 -54	2472 -107	46 -191	
A15		1	42-00-00	6 /12	2 x 4	Joint 11	Joint 17	Joint 2	
		1-ply	10-01-15	3 /12	2 x 4	1253 -54	2198 -104	57 -179	
A16		1	42-00-00	6 /12	2 x 4	Joint 12	Joint 18	Joint 2	
		1-ply	10-01-15	3 /12	2 x 4	1256 -54	2184 -103	67 -168	
A17		1	29-09-08	6 /12	2 x 4	Joint 12	Joint 13	Joint 2	
		1-ply	10-09-15	3 /12	2 x 4	1384 -121	809 -63	296 -135	
A18		1	29-09-08	6 /12	2 x 4	Joint 15	Joint 2		
		1-ply	9-09-15	3 /12	2 x 4	1190 -59	1331 -99		
A19		1	29-09-08	6 /12	2 x 4	Joint 2	Joint 7		
		1-ply	8-09-15		2 x 4	1456 -110	1369 -65		

Roof Trusses												
Label	Profile	Qty	Span	TC Pitch	TC	Reactions						
		Ply	Height	BC Pitch	BC							
A20		1	29-09-08	6 /12	2 x 4	Joint 2	Joint 8					
		1-ply	7-09-15		2 x 4	1461 -111	1348 -58					
A21		1	29-09-08	6 /12	2 x 4	Joint 2	Joint 8					
		1-ply	6-09-15		2 x 4	1313 -112	1175 -51					
A22		1	29-09-08	6 /12	2 x 4	Joint 2	Joint 8					
		1-ply	5-09-15		2 x 4	1313 -113	1175 -50					
A23		1	29-09-08	6 /12	2 x 6	Joint 2	Joint 8					
		2-ply	4-09-15		2 x 6	2296 -151	2492 -166					
B01		1	27-00-00	6 /12	2 x 4	Joint 2	Joint 8					
		2-ply	3-03-15		2 x 6	1408 -415	1424 -426					
C1		16	1-00-00	6 /12	2 x 4	Joint 2	Joint 3	Joint 4				
		1-ply	1-09-15		2 x 4	290 -134	68 -101	19 6				
C3		14	3-00-00	6 /12	2 x 4	Joint 2	Joint 3	Joint 4				
		1-ply	2-09-15		2 x 4	290 -85	37 -14	56 17				
C3A		2	3-00-00	6 /12	2 x 4	Joint 1	Joint 2	Joint 3				
		1-ply	1-10-03		2 x 4	112 5	84 -31	56 17				
C5		9	5-00-00	6 /12	2 x 4	Joint 2	Joint 3	Joint 4				
		1-ply	3-09-15		2 x 4	349 -70	115 -36	96 29				
C5A		1	5-00-00	6 /12	2 x 4	Joint 1	Joint 2	Joint 3				
		1-ply	2-10-03		2 x 4	192 7	144 -53	96 29				
D01		1	11-08-00	6 /12	2 x 4	Joint 2	Joint 5					
		2-ply	4-02-15		2 x 6	2354 -209	5438 -313					
D02		1	11-08-00	6 /12	2 x 4	Joint 2	Joint 4					
		1-ply	4-02-15		2 x 4	596 -87	443 -13					
D03		1	11-08-00	6 /12	2 x 4	Joint 2	Joint 5					
		1-ply	3-09-15		2 x 4	765 -117	618 -44					
E4		11	4-00-00	6 /12	2 x 4	Joint 2	Joint 3	Joint 4				
		1-ply	3-03-15		2 x 4	317 -108	77 -22	76 -10				
E7		34	7-00-00	6 /12	2 x 4	Joint 2	Joint 3	Joint 4				
		1-ply	4-09-15		2 x 4	421 -63	183 -62	136 41				
G01		1	20-00-00	6 /12	2 x 4	Joint 2	Joint 8					
		1-ply	10-01-07		2 x 6	1158 57	1121 152					
G02		1	20-00-00	6 /12	2 x 4	Joint 2	Joint 7					
		1-ply	9-01-07		2 x 6	1067 51	976 146					
G03		1	20-00-00	6 /12	2 x 4	Joint 2	Joint 8					
		1-ply	8-01-07		2 x 6	1162 53	1095 149					
G04		1	20-00-00	6 /12	2 x 4	Joint 2	Joint 7					
		1-ply	7-01-07		2 x 6	1159 49	1076 140					
G05		1	20-00-00	6 /12	2 x 4	Joint 2	Joint 7					
		1-ply	6-01-07		2 x 4	924 -96	781 -48					
G06		1	20-00-00	6 /12	2 x 4	Joint 2	Joint 9					
		1-ply	5-09-15		2 x 4	924 -97	781 -34					
G07		1	20-00-00	6 /12	2 x 4	Joint 2	Joint 9					
		1-ply	4-09-15		2 x 4	1525 -83	1411 -36					
H4		2	5-07-02	4.24 /12	2 x 4	Joint 2	Joint 4	Joint 5				
		1-ply	3-03-07		2 x 4	376 -215	108 -38	66 -34				
H5		2	7-00-02	4.24 /12	2 x 4	Joint 2	Joint 4	Joint 5				
		1-ply	3-09-07		2 x 4	458 -173	127 -31	146 -5				
H7		4	9-10-01	4.24 /12	2 x 4	Joint 2	Joint 4	Joint 5				
		1-ply	4-09-07		2 x 4	586 -179	176 -57	276 5				
PB1		2	13-02-14	6 /12	2 x 4	Joint 2	Joint 6	Joint 8				
		1-ply	1-07-12		2 x 4	297 -43	297 -43	380 8				
PB2		1	20-02-14	6 /12	2 x 4	Joint 10	Joint 11	Joint 12	Joint 13	Joint 15	Joint 2	Joint 8
		1-ply	2-07-12		2 x 4	188 0	305 -31	283 -22	210 0	318 1	207 -36	56 -22

Roof Trusses									
Label	Profile	Qty	Span	TC Pitch	TC	Reactions			
		Ply	Height	BC Pitch	BC				
PB3		1	20-02-14	6 /12	2 x 4	Continuous Support			
		1-ply	3-03-08		2 x 4				
PB4		1	20-02-14	6 /12	2 x 4	Continuous Support			
		1-ply	3-03-08		2 x 4				
PB5		3	13-02-14	6 /12	2 x 4	Joint 2	Joint 4	Joint 6	
		1-ply	3-03-08		2 x 4	244	244	492	
PB6		1	13-02-14	6 /12	2 x 4	Joint 2	Joint 6	Joint 8	
		1-ply	2-07-12		2 x 4	341	341	314	
						-59	-59	45	