

RE: 6242611 - 2169A 2Car Frame

MiTek, Inc.

Site Information:

16023 Swingley Ridge Rd.

Chesterfield, MO 63017 Customer Info: Adams Homes-Gainesville Project Name: The Preserve at Laurel Lake40834 إلى 2004 2004 17 Prame

Subdivision: The Preserve at Laurel Lake

Address: 297 SW Silver Palm Dr , .

State: FI

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

Name: License #:

Address:

Lot/Block: 08

City: Lake City

City: State:

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

Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7

Wind Code: ASCE 7-22 Wind Speed: 130 mph Roof Load: 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 2 3 4 5 6 7 8 9 10 11 12 13 14 15	T35031751 T35031752 T35031754 T35031755 T35031756 T35031757 T35031757 T35031759 T35031760 T35031761 T35031761 T35031763 T35031764 T35031764 T35031764	A01 A02 A03 A04 A05 A06 A07 A08 A09 A10 A11 A12 A13 A14 A15	9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24	23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	T35031773 T35031774 T35031775 T35031776 T35031777 T35031779 T35031780 T35031781 T35031782 T35031783 T35031785 T35031785 T35031785 T35031786	A23 B01 C1 C3 C3A C5A D01 D02 D03 E4 E7 G01 G02 G03	9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24 9/17/24
				37 38 39 40 41 42 43			

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.



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

September 18,2024



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 Address: 297 SW Silver Palm Dr , . Subdivision: The Preserve at Laurel Lake

City: Lake City State: FI

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 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:SuQVa2bJoYHjVzRq1hrHKbyIAWH-TQBIS?XdOpzVKc7OM1mdzaUP1ZBbobAo8n0VZqycjkJ 41-7-0 42-0-0 0-5-0 2-0-0 27-8-12

6-10-15

6-10-15

Structural wood sheathing directly applied or 3-11-13 oc purlins,

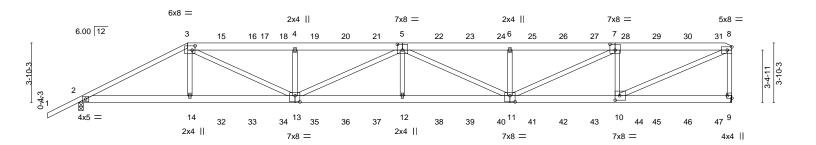
Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

6-10-15

Scale = 1:74.1

6-11-5



		7-0-0	13-10-15	1		20-9-14		27	-8-12	1		34-7-11		42-0-0	
	1	7-0-0	6-10-15	- 1		6-10-15		6-1	10-15	ı		6-10-15	ı	7-4-5	
Plate Offset	ts (X,Y)	[3:0-2-4,0-3-4], [5	:0-4-0,0-4-8], [7:0)-4-0,0-4-8],	[9:Ec	lge,0-3-8], [1	10:0-3-8	8,0-3-8], [11:	0-4-0,0-4	1-12], [13:0-3-12	2,0-4-12]			
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	0.77		Vert(LL)	-0.36	12	>999	360		MT20	244/190
TCDL	10.0	Lumber Do	DL 1.15		BC	0.70		Vert(CT)	-0.73	12	>687	240			
BCLL	0.0 *	Rep Stress	Incr NO		WB	0.83		Horz(CT)	0.12	9	n/a	n/a			
BCDL	10.0	Code FBC	2023/TPI2014		Matr	ix-S		Wind(LL)	0.24	12	>999	240		Weight: 550 lb	FT = 20%

TOP CHORD

BOT CHORD

LUMBER-**BRACING-**

6-10-15

TOP CHORD 2x6 SP No.2 *Except* 1-3: 2x4 SP No.2

7-0-0

BOT CHORD 2x6 SP No.2 *Except*

11-13: 2x6 SP DSS 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

WFBS 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-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Refer to girder(s) for truss to truss connections.
- 10) 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 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

September 18,2024

Continued on page 2







Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	
6242611	A01	Hip Girder	1	2		T35031751
					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 2 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-TQBIS?XdOpzVKc7OM1mdzaUP1ZBbobAo8n0VZqycjkJ

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 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 25-0-12, 123 lb down and 83 up at 27-0-12, 123 lb down and 83 lb up at 29-0-12, 123 lb down and 83 lb up at 35-0-123 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 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 33-0-12, 96 lb down at 33-0-12, 96 lb down at 35-0-12, 96 lb down 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) 24=-123(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)



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031752 6242611 A02 HIP 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:SuQVa2bJoYHjVzRq1hrHKbyIAWH-TQBIS?XdOpzVKc7OM1mdzaUPcZE6ofvo8n0VZqycjkJ

24-3-5

7-6-13

31-10-2

7-6-13

Scale = 1:76.7

42-0-0

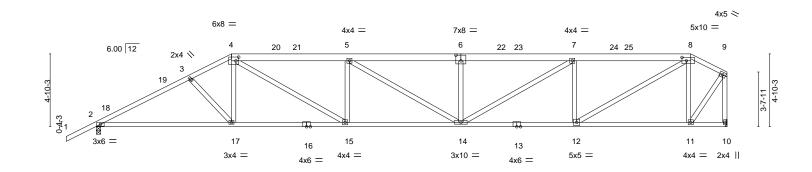
2-5-0

39-7-0

7-8-14

Structural wood sheathing directly applied or 2-3-5 oc purlins,

except end verticals.



<u></u>	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	3], [8:0-3-8,0-2-12]				
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 0.73	3 Vert(LL)	-0.26 14-15 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15 BC 0.4	8 Vert(CT)	-0.55 14-15 >903 240		
BCLL 0.0 *	Rep Stress Incr	YES WB 0.5	9 Horz(CŤ)	0.13 10 n/a n/a		
BCDL 10.0	Code FBC2023/TPI20	014 Matrix-S	Wind(LL)	0.15 14-15 >999 240	Weight: 253 lb	FT = 20%
					1	

LUMBER-**BRACING-**

2x4 SP No.2 *Except* TOP CHORD TOP CHORD

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

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 2x4 SP No.2

REACTIONS. (size) 2=0-3-8, 10=Mechanical

-2-0-0 2-0-0

6-3-6

2-8-10

7-8-9

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-

- 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 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
- 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



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

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.



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031753 6242611 A03 Hip Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:47 2024 Page 1 ID:SuQVa2bJoYHjVzRq1hrHKbylAWH-xdlhgLYF975MymiawkHsWo0XAzUXX7LxNRm35Hycjkl 37-7-0 24-3-5 30-10-2 42-0-0

6-6-13

6-6-13

6-8-14

Structural wood sheathing directly applied, except end verticals.

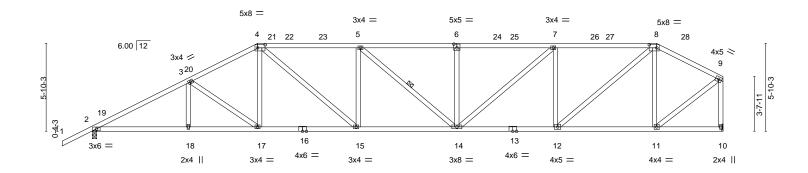
5-14

Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt

Scale = 1:76.7

4-5-0



	6-4-12	11-0-0	17-8-9	24-3-5	30-10-2			42-0-0
	6-4-12	4-7-4	6-8-9	6-6-13	6-6-13	'	6-8-14	4-5-0
Plate Offsets (X,	Y) [4:0-6-0,0-2-8], [6:	0-2-8,0-3-0], [8:0-6-0	0,0-2-8]					
LOADING (==f)	ODAONO	0.00	001	DEEL	:- (l)	1.7-1	DI ATEO	ODID
LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc) I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip [OOL 1.15	TC 0.93	Vert(LL)	-0.24 14-15 >999	360	MT20	244/190
TCDL 10.0	Lumber DO	L 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 FBC	2023/TPI2014	Matrix-S	Wind(LL)	0.14 14-15 >999	240	Weight: 244 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

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

WEBS 2x4 SP No.2

REACTIONS. (size) 2=0-3-8, 10=Mechanical

6-4-12

4-7-4

6-8-9

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.

2-3=-3192/212, 3-4=-2769/229, 4-5=-3096/271, 5-6=-3087/265, 6-7=-3087/265, TOP CHORD

7-8=-2484/233, 8-9=-1395/149, 9-10=-1630/151 2-18=-296/2759. 17-18=-296/2759. 15-17=-232/2424. 14-15=-265/3096. 12-14=-217/2484.

11-12=-125/1181

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

WEBS

BOT CHORD

- 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.



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

September 18,2024



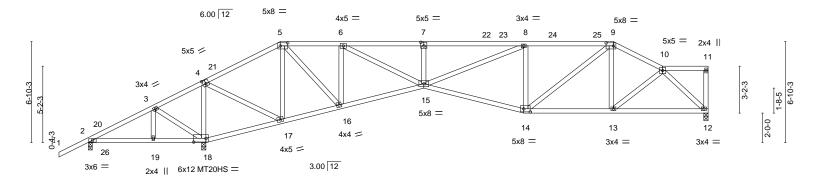
🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031754 6242611 A04 **ROOF SPECIAL** 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?ZltNtPGZ04c5VcdjycjkH 38-11-0 42-0-0 3-4-0 3-1-0 6-9-4

Scale = 1:78.1



	-4-11 7-9-12 7-11-8	13-0-0	17-1-8	22-8-1		29-6-0		35-7-0		3 42 ₇ 0-0
	-4-11 ' 3-5-1 0-1 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	0-10-0,0-3-0]				
LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defI	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/TF	PI2014	Matrix-S	3	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, BOT CHORD 2x4 SP No.2 except end verticals. WEBS 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 4-2-1 oc bracing.

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

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-

WEBS

- 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 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) 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.



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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.



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031755 6242611 A05 **ROOF SPECIAL** 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?ZlnNseGa44c5VcdjycjkH 33-7-0 36-11-0 29-6-0 42-0-0

6-9-4

4-1-0

3-4-0

Structural wood sheathing directly applied or 3-8-3 oc purlins,

8-10

Rigid ceiling directly applied or 4-8-11 oc bracing.

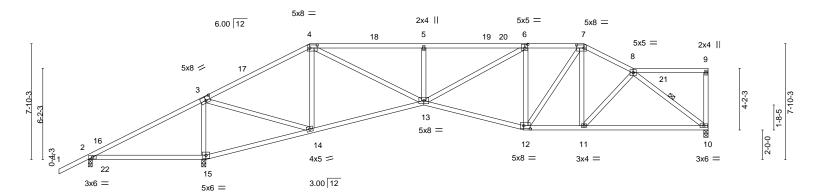
except end verticals.

1 Row at midpt

5-1-0

7-8-12

Scale = 1:78.1



	1	7-9-12 7-1 ₁ 1-8	15-0-0	22-8-12	1	29-6-0	₁ 33-7-0 ₁	36-11-0 ₁ 41-8-8	42 ₁ Q-0
		7-9-12 0-1 [!] -12	7-0-8	7-8-12	ı	6-9-4	4-1-0	3-4-0 4-9-8	0-3-8
Plate Offs	ets (X,Y)	[3:0-3-12,0-3-0], [4:0-6-0,	0-2-8], [6:0-2-4,0	0-3-0], [7:0-6-0,0-2-8], [12	2:0-5-4,0-2-8]				
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 0.75	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/T	PI2014	Matrix-S	Wind(LL)	0.14 2-15	>672 240	Weight: 233 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

2x4 SP No.2 *Except* TOP CHORD

4-6,1-3: 2x4 SP M 31 or 2x4 SP SS

BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.2

REACTIONS. (size) 10=0-3-8, 2=0-3-1, 15=0-3-8

7-11-8

7-0-8

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,

> 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-

WEBS

- 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 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
- 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.
- * 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) 10 except (jt=lb) 2=353, 15=181.



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September 18,2024



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



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031756 6242611 A06 Roof Special Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:49 2024 Page 1 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-t?tR50aVhkL4B4sz19KKbD6tunD_?0VErkF999ycjkG

31-7-0 34-11-0 2-1-0 3-4-0

5-0-0 oc bracing: 2-17 5-6-4 oc bracing: 16-17.

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

41-10-10

Scale = 1:78.1

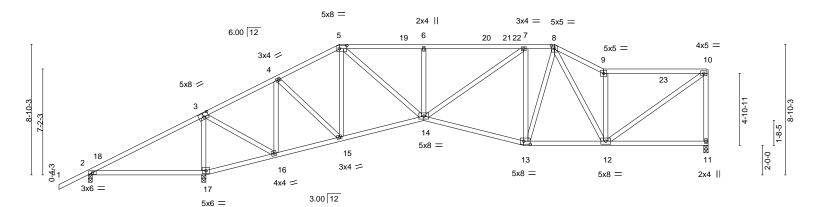


Plate Offsets (X,Y)	7-9-12 7-11-8 12-8-5 7-9-12 0-1-12 4-9-1 [3:0-4-0,0-3-0], [5:0-6-0,0-2-8], [8	4-3-7	2-8-12 29-6-0 6-8-12 6-9-4	31-7-0 34-11-0 2-1-0 3-4-0	42-0-0 41-8-8 41-10-10 6-9-8 0-2-2 0-1-6
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-1 Plate Grip DOL 1.1: Lumber DOL 1.1: Rep Stress Incr YES Code FBC2023/TPI2014	CSI. TC 0.92 BC 0.66	DEFL. in (loc) Vert(LL) -0.13 2-17 Vert(CT) -0.30 13-14 Horz(CT) 0.08 11 Wind(LL) 0.06 14	n/a n/a	PLATES GRIP MT20 244/190 Weight: 256 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.2

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 2-17=-932/120, 16-17=-1081/142, 15-16=-166/425, 14-15=-221/1008, 13-14=-243/1475,

12-8-9 4-9-1

12-13=-208/1288

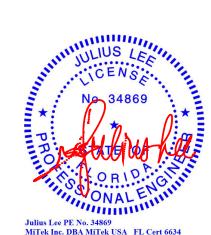
WEBS 3-17=-1899/345, 3-16=-216/1627, 4-15=-74/796, 5-15=-573/125, 5-14=-136/1225,

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.
- * 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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September 18,2024



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



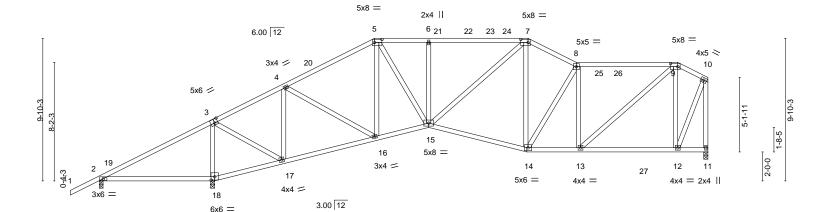
Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031757 6242611 A07 Roof Special Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:50 2024 Page 1

19-0-0 6-3-5

ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-LCRpIMa7S2TxpER9bsrZ7Qe34AYGkTKN3O_jicycjkF 29-7-0 6-10-4 32-11-0 3-4-0 39-11-0 7-0-0

Scale = 1:79.5

42-0-0



1	7-9-12	7-11-8	12-8-11	19-0-0	22-8-12	29-6-0	32-11-0	39-11-0	41-8-8	
	7-9-12	0-1 ^{<u>1</u>} 12	4-9-3	6-3-5	3-8-12	6-9-4	3-5-0	7-0-0	1-9-8	
									0-3-8	
ts (X,Y)	[3:0-2-12,0-3-4],	[5:0-6-0,0-2	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.	DEFL. in (loc)	I/defl L/d	PLATES GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC 0.89	Vert(LL) -0.15 14-15	>999 360	MT20 244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.72	Vert(CT) -0.32 14-15	>999 240	
BCLL	0.0 *	Rep Stress Incr YES	WB 0.57	Horz(CT) 0.08 11	n/a n/a	
BCDL	10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL) 0.05 15	>999 240	Weight: 270 lb FT = 20%

LUMBER-

Plate Offsets

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

BOT CHORD

Structural wood sheathing directly applied or 2-2-0 oc purlins,

except end verticals.

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-

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

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-0-0, 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
- 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.
- * 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=163, 18=101.



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

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.



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031758 6242611 A08 Piggyback Base Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:50 2024 Page 1 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-LCRpIMa7S2TxpER9bsrZ7Qe3ZAWskMcN3O_jicycjkF

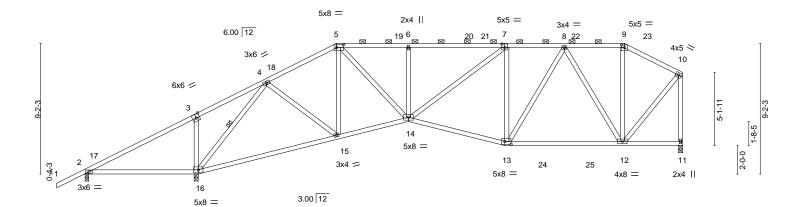
5-0-11

23-7₇0 0-10-4

29-6-0

5-11-0

Scale = 1:81.0



	1	7-9-12 7	'-1 ₁ 1-8	17-8-1	1	22-8-12 ₁	29-6-0	1	37-10-15	42-0-0	1
		7-9-12 0)-1 ⁻ 12	9-8-9	1	5-0-11	6-9-4	1	8-4-15	4-1-1	1
Plate Off	sets (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	3:0-5-4,0-2-8]					
LOADIN	G (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	k-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

BOT 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. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

4-16

4-11-11 oc bracing: 2-16.

33-8-5

4-2-5

37-10-15

4-2-10

42-0-0

4-1-1

WEBS

1 Row at midpt

REACTIONS.

(size) 2=0-3-1, 16=0-3-8, 11=0-3-8

7-11-8

4-9-8

4-11-1

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

BOT CHORD 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., 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.



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

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.



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031759 6242611 A09 PIGGYBACK BASE Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:51 2024 Page 1 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-pO_BVibmDLboQN?L9aMogeBEJas5TpsXI2kGE2ycjkE

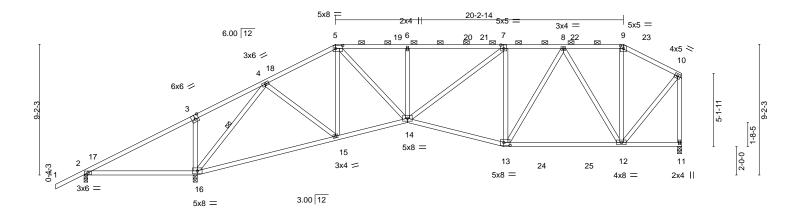
5-0-11

23-7₇0 0-10-4

29-6-0

5-11-0

Scale = 1:81.0



	1	7-9-12 7	'-1 ₁ 1-8	17-8-1	1	22-8-12 ₁	29-6-0	1	37-10-15	42-0-0	1
		7-9-12 0)-1 ⁻ 12	9-8-9	1	5-0-11	6-9-4	1	8-4-15	4-1-1	1
Plate Off	sets (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	3:0-5-4,0-2-8]					
LOADIN	G (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	k-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

WEBS

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:

4-16

33-8-5

4-2-5

37-10-15

4-2-10

42-0-0

4-1-1

4-11-11 oc bracing: 2-16. 1 Row at midpt

REACTIONS. (size) 2=0-3-1, 16=0-3-8, 11=0-3-8

Max Horz 2=209(LC 11)

7-11-8

4-9-8

4-11-1

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; 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
- 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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September 18,2024



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



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031760 6242611 A10 Piggyback Base Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:51 2024 Page 1 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-pO_BVibmDLboQN?L9aMogeBEJas5TpsXI2kGE2ycjkE

22-8-12

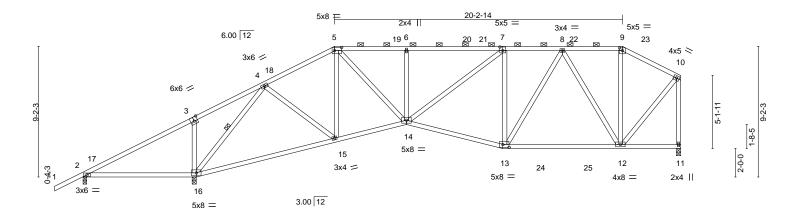
5-0-11

23-7₇0 0-10-4

29-6-0

5-11-0

Scale = 1:81.0



	1	7-9-12 7	'-1 ₁ 1-8	17-8-1	1	22-8-12 ₁	29-6-0	1	37-10-15	42-0-0	1
		7-9-12 0)-1 ⁻ 12	9-8-9	1	5-0-11	6-9-4	1	8-4-15	4-1-1	1
Plate Off	sets (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	3:0-5-4,0-2-8]					
LOADIN	G (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	k-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 **BOT 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. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

4-16

33-8-5

4-2-5

37-10-15

4-2-10

42-0-0

4-1-1

4-11-11 oc bracing: 2-16. **WEBS** 1 Row at midpt

REACTIONS.

(size) 2=0-3-1, 16=0-3-8, 11=0-3-8

7-11-8

4-9-8

4-11-1

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 3-16=-434/151, 4-16=-2291/258, 4-15=-10/899, 5-15=-453/116, 5-14=-112/1123, **WEBS**

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., 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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September 18,2024



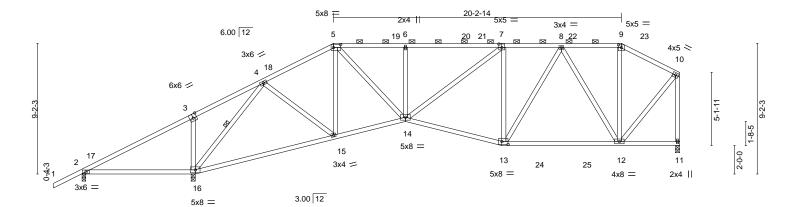
🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031761 6242611 A11 PIGGYBACK BASE 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:SuQVa2bJoYHjVzRq1hrHKbyIAWH-HaYaj2cO_fjf2XaYjHt1DrjP3_BKCG6gXiTqmUycjkD

5-0-11

Scale = 1:81.0



23-7₇0 0-10-4

29-6-0

5-11-0

	1	7-9-12 7	'-1 ₁ 1-8	17-8-1	1	22-8-12 ₁	29-6-0	1	37-10-15	42-0-0	1
		7-9-12 0)-1 ⁻ 12	9-8-9	1	5-0-11	6-9-4	1	8-4-15	4-1-1	1
Plate Off	sets (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	3:0-5-4,0-2-8]					
LOADIN	G (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	k-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

BOT CHORD

WEBS

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. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

4-16

4-11-11 oc bracing: 2-16. 1 Row at midpt

33-8-5

4-2-5

37-10-15

4-2-10

42-0-0

4-1-1

REACTIONS. (size) 2=0-3-1, 16=0-3-8, 11=0-3-8

7-11-8

4-9-8

4-11-1

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; 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
- 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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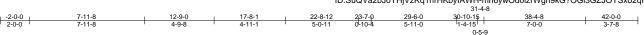
September 18,2024



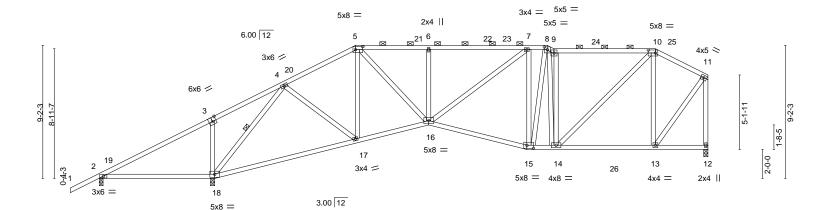
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.







Scale = 1:79.5



	'	7-9-12 0-1	112	9-8-9	'	5-0-11	6-9-4	'1-4-15' 0-5	' 7-0 -9	-0 ' 3-7	-8
Plate Offse	ets (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	Matri	x-S	Wind(LL)	0.06 16	>999	240	Weight: 276 lb	FT = 20%

LUMBER-

2x4 SP No.2 TOP CHORD **BOT CHORD** 2x4 SP No.2 WEBS 2x4 SP No.2 BRACING-

TOP CHORD **BOT 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. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

4-18

4-10-5 oc bracing: 2-18. **WEBS** 1 Row at midpt

31-4-8 30-10-15

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

2-18=-841/117, 17-18=-197/636, 16-17=-221/1323, 15-16=-253/1611, 14-15=-222/1474,

BOT CHORD

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-

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, 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
- 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.
- * 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) 12 except (jt=lb) 2=173, 18=107
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



42-0-0

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

September 18,2024



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



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031763 6242611 A13 PIGGYBACK BASE Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:37:53 2024 Page 1 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-mn6ywOd0lzrWgh9kG?OGl3GY9OYYxo?qlMDNlwycjkC

5-0-11

23-7-0 0-10-4

29-6-0

5-11-0

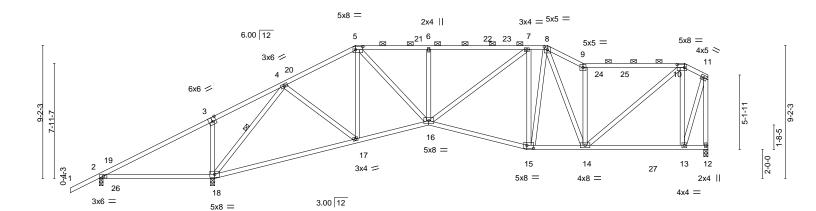
30-10-15 33-4-8 1-4-15 2-5-9

40-4-8

7-0-0

Scale = 1:79.5

42-0-0 1-7-8



	ı	7-9-12 7-1/1-	0 17	-0-1	22-0-12	29-6-0	30-10-15 33-4-6 I	40-4-0	42-U-U ₁
		7-9-12 0-1 ^{<u>!</u>1}	2 9-	-8-9	5-0-11	6-9-4	1-4-15 2-5-9	7-0-0	1-7-8
Plate Offs	sets (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	G (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC 0.97	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	>753 240		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.70	Horz(CT)	0.10 12	n/a n/a		
BCDL	10.0	Code FBC2023/T	PI2014	Matrix-S	Wind(LL)	0.15 2-18	>624 240	Weight: 272 lb	FT = 20%
					` ,				

LUMBER-

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

-2-0-0 2-0-0

7-11-8

BRACING-TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 4-3-11 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 5-8, 9-10. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

4-18

4-8-7 oc bracing: 2-18. **WEBS** 1 Row at midpt

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

 $2-18 = -889/121,\ 17-18 = -192/607,\ 16-17 = -218/1298,\ 15-16 = -243/1583,\ 14-15 = -211/1422,$

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

12-9-0

4-9-8

4-11-1

NOTES-

BOT CHORD

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, Zone3 30-10-15 to 33-4-8, Zone1 33-4-8 to 40-4-8, Zone3 40-4-8 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
- 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.
- * 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) 12 except (jt=lb) 2=194, 18=180,
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

September 18,2024



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



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031764 6242611 A14 PIGGYBACK BASE 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:SuQVa2bJoYHjVzRq1hrHKbylAWH-EzgK8kdeWGzMHrkwqivVlGplGoujgFCz_0ywrNycjkB 23-7₁0 0-10-4 30-10-15 1-4-15 -2-0-0 2-0-0 29-6-0 42-0-0

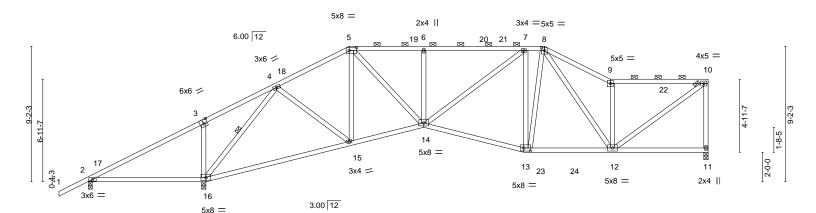
5-11-0

4-5-9

6-7-8

5-0-11

Scale = 1:78.1



		7-9-12 7-1/1-0	17-0	D-1	22-0-12	29-0	·U	3ψ-10-1 ₃	33-4-6	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	1
Plate Offs	sets (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,()-2-8]						
LOADING	G (psf)	SPACING-	2-0-0	CSI.	DEF	F L. in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC 0.8	8 Ver	t(LL) -0.26	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC 0.8	1 Ver	t(CT) -0.54	15-16	>753	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.7	0 Hor	z(CT) 0.10	11	n/a	n/a		
BCDL	10.0	Code FBC2023/7	ΓPI2014	Matrix-S	Win	d(LL) 0.06	14	>999	240	Weight: 254 lb	FT = 20%
				1							

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 WEBS 2x4 SP No.2 BRACING-

WEBS

TOP CHORD **BOT 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. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

4-16

4-8-2 oc bracing: 2-16. 1 Row at midpt

REACTIONS. (size) 11=0-3-8, 2=0-3-1, 16=0-3-8

7-11-8

4-9-8

4-11-1

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 2-16=-891/131, 15-16=-204/609, 14-15=-223/1302, 13-14=-237/1607, 12-13=-208/1441

BOT CHORD 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-

- 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, 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
- 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=191 16=107
- 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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September 18,2024



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Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031765 6242611 A15 PIGGYBACK BASE 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:SuQVa2bJoYHjVzRq1hrHKbylAWH-i9EiL4eGHa5Dv?J6OQQkqULw7BEKPi36DgiUNpycjkA

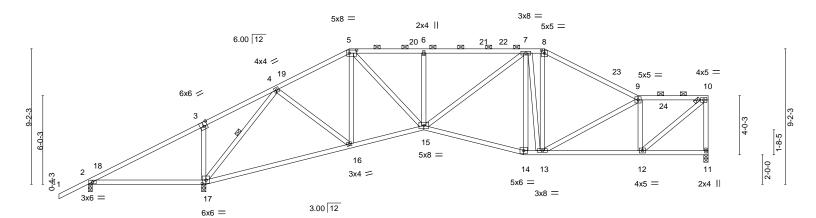
5-0-11

23-7₇0 0-10-4

29-6-0

5-11-0

Scale = 1:78.1



	-	7-0-12 7-11-0	0.0		5.0.44	20-0		30-10-13	0.4.4	42-0-0	-
		7-9-12 0-1 ^{<u>-</u>} 12	9-8	-9	5-0-11	6-9-	4	1-4-15	6-4-1	4-9-0	
Plate Offs	ets (X,Y)	[3:0-3-0,Edge], [5:0-6-0,0)-2-81. [8:0-2-8.0	0-2-41. [17:0-3-0.	.0-2-121						
		, g-1/1	-1/1	1/1	' '						
LOADING	(psf)	SPACING-	2-0-0	CSI.	D	DEFL. in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC 0.8	87 V	'ert(LL) -0.26	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC 0.7	79 V	'ert(CT) -0.54	16-17	>755	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.6	66 H	lorz(CT) 0.10	11	n/a	n/a		
BCDL	10.0	Code FBC2023/T	PI2014	Matrix-S	V	Vind(LL) 0.06	15	>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

-2-0-0 2-0-0

7-11-8

4-9-8

4-11-1

BRACING-

WEBS

TOP CHORD **BOT 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. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

4-17

5-9-15 oc bracing: 2-17. 1 Row at midpt

30-10-15

1-4-15

37-3-0

6-4-1

42-0-0

4-9-0

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.
- * 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

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.



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031766 6242611 A16 PIGGYBACK BASE 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:SuQVa2bJoYHjVzRq1hrHKbylAWH-i9EiL4eGHa5Dv?J6OQQkqULwDBEHPi76DgiUNpycjkA

5-0-11

23-7₋0 0-10-4

29-6-0

5-11-0

30-10-15 35-0-10

4-1-11

1-4-15

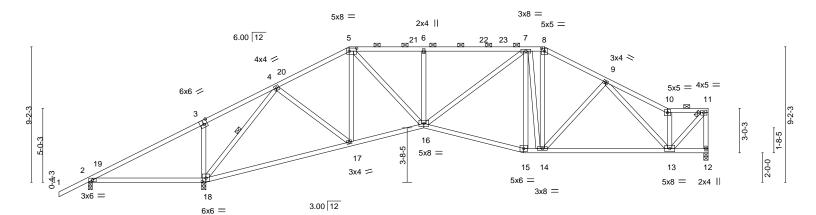
39-3-0

4-2-6

42-0-0

2-9-0

Scale = 1:78.1



		7-9-12 7-1 _i 1-8	17-8	3-1	22-8-12	29-6-	0 3	30-10-1 <mark>5</mark>	39-3-0	1 42	2-0-0
	1	7-9-12 0-1 [!] -12	9-8	-9	5-0-11	6-9-4	1	1-4-15	8-4-1	2	-9-0
Plate Offse	ets (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	0-2-12]						
LOADING	(psf)	SPACING-	2-0-0	CSI.	DE	FL. in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC 0.8	7 Ve	rt(LL) -0.26	17-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC 0.7	'9 Ve	rt(CT) -0.54	17-18	>757	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.6	6 Ho	rz(CT) 0.10	12	n/a	n/a		
BCDL	10.0	Code FBC2023/1	PI2014	Matrix-S	Wi	nd(LL) 0.06	16 :	>999	240	Weight: 259 lb	FT = 20%

LUMBER-

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

-2-0-0 2-0-0

7-11-8

4-9-8

4-11-1

BRACING-

WEBS

TOP CHORD **BOT 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. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

4-18

5-11-1 oc bracing: 2-18. 1 Row at midpt

(size) REACTIONS. 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 2-18=-732/105, 17-18=-145/546, 16-17=-146/1156, 15-16=-179/1445, 14-15=-165/1397,

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,

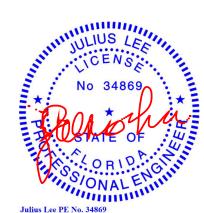
9-13=-405/93, 10-13=-752/120, 11-13=-122/1605

NOTES-

BOT CHORD

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 35-0-10, 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
- 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.
- * 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) 12 except (jt=lb) 2=168, 18=103,
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



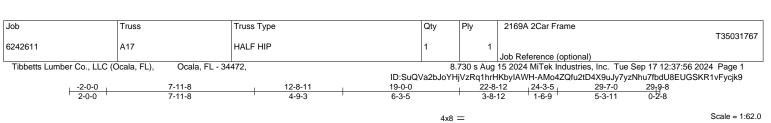
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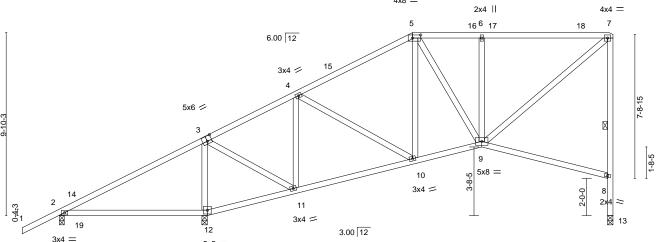
September 18,2024



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







				LOAD	S IMPOSED BY SUPPORTS (BEAR	INGS).
	7-9-12 7-1/1-	8 12-8-11	19-0-0	22-8-12	29-9-8	I.
	7-9-12 0-1 ¹ -1	2 4-9-3	6-3-5	3-8-12	7-0-12	1
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. i	n (loc) I/defl	L/d PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.76	Vert(LL) -0.1	4 2-12 >685	360 MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.60	Vert(CT) -0.2	9 2-12 >322	240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.33	Horz(CT) 0.1	0 13 n/a	n/a	
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL) 0.1	5 2-12 >647	240 Weight: 182	lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

REACTIONS.

2x4 SP No.2 TOP CHORD

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

(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

5x5 =

- 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.
- 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,



VERTICAL LEGS ARE NOT DESIGNED FOR LATERAL

Structural wood sheathing directly applied or 5-2-3 oc purlins,

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

except end verticals.

1 Row at midpt

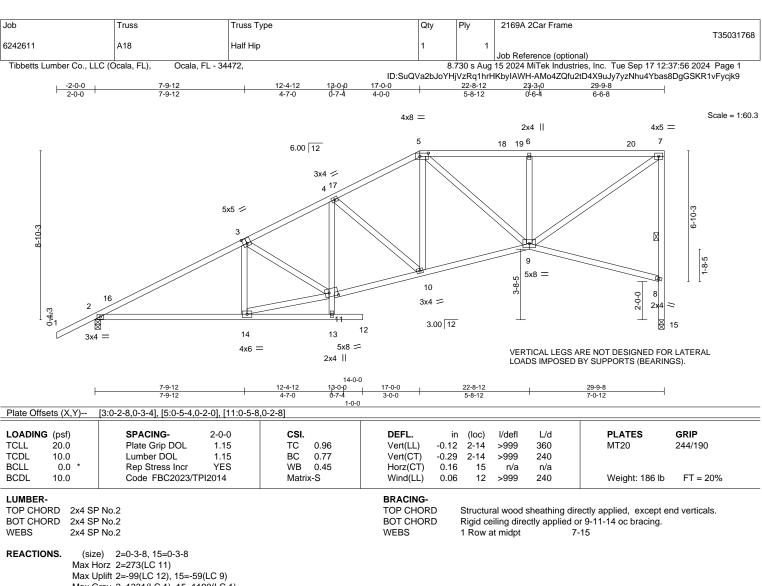
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September 18,2024



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





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.

2-3=-2117/117, 3-4=-1975/139, 4-5=-1613/130, 5-6=-1360/145, 6-7=-1360/145, TOP CHORD

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.



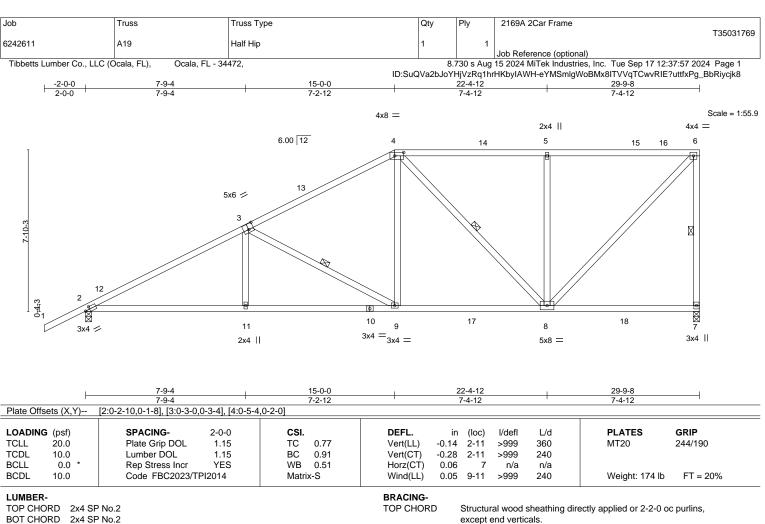
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September 18,2024



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





BOT CHORD

WEBS

Rigid ceiling directly applied or 10-0-0 oc bracing.

6-7, 3-9, 4-8

1 Row at midpt

LUMBER-

TOP CHORD BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.2

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.

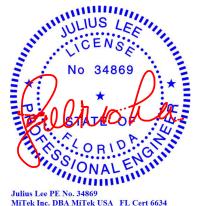
TOP CHORD 2-3=-2358/144, 3-4=-1585/169, 4-5=-1031/172, 5-6=-1031/172, 6-7=-1220/162

BOT CHORD 2-11=-336/2098, 9-11=-338/2092, 8-9=-241/1393

WFBS 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-

- 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 15-0-0, 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
- 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) 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.



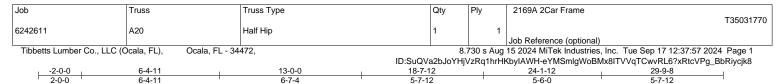
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September 18,2024

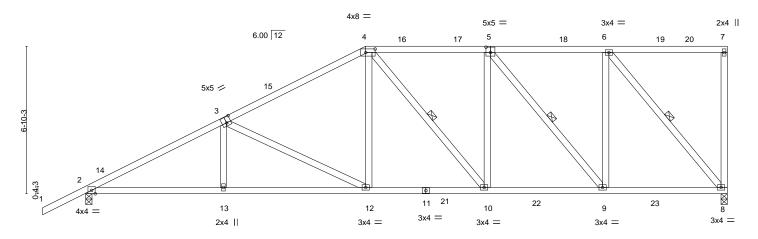


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.





Scale = 1:53.5



	1	6-4-11	1	13-0-0	18-7-12	1	24-1-1	2	29-9-8	1
		6-4-11	1	6-7-4	5-7-12		5-6-0		5-7-12	
Plate Offse	ets (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 3	60	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC 0.75	Vert(CT)	-0.23 12-13	>999 2	40		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.67	Horz(CT)	80.0	n/a	n/a		
BCDL	10.0	Code FBC2023/TF	PI2014	Matrix-S	Wind(LL)	0.05 12-13	>999 2	40	Weight: 183 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

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

WEBS 2x4 SP No.2

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.

2-3=-2450/139, 3-4=-1773/166, 4-5=-1448/178, 5-6=-972/151 TOP CHORD

BOT CHORD 2-13=-328/2179, 12-13=-330/2173, 10-12=-243/1564, 9-10=-206/1471, 8-9=-149/982 $3-13=0/282,\ 3-12=-692/97,\ 4-12=0/551,\ 5-10=0/316,\ 5-9=-773/90,\ 6-9=0/842,$ WFBS

6-8=-1487/128

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 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
- 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.
- * 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) 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.



Structural wood sheathing directly applied or 3-5-4 oc purlins,

4-10, 5-9, 6-8

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

1 Row at midpt

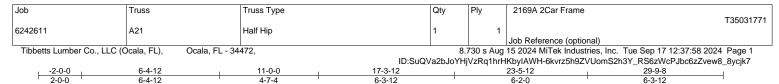
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September 18,2024

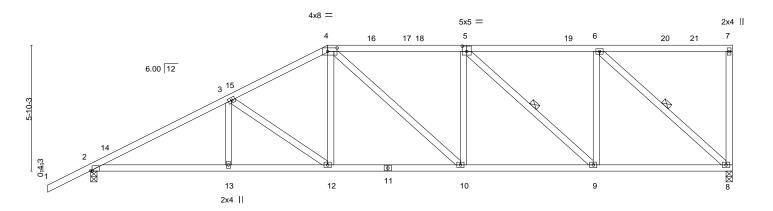


🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.





Scale = 1:53.5



		6-4-12	11-0)-0		17-3-12	- 1		23-5-12		29-9-8	
	II.	6-4-12	4-7	-4		6-3-12	- 1		6-2-0		6-3-12	ı
Plate Offse	ets (X,Y)	[2:0-0-12,Edge], [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	0.54	Vert(LL)	-0.08	12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.19 1	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/TP	12014	Matri	x-S	Wind(LL)	0.05	12	>999	240	Weight: 173 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

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

WEBS 2x4 SP No.2

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.

2-3=-2141/138, 3-4=-1702/168, 4-5=-1558/181, 5-6=-1079/150 TOP CHORD

BOT CHORD 2-13=-304/1825, 12-13=-304/1825, 10-12=-240/1469, 9-10=-213/1556, 8-9=-154/1079

WFBS 3-12=-443/77, 4-12=0/402, 5-9=-649/81, 6-9=0/593, 6-8=-1430/128

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 11-0-0, 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
- 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) All plates are 3x4 MT20 unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) 8 except (jt=lb) 2=112.



Structural wood sheathing directly applied or 3-4-0 oc purlins,

5-9, 6-8

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

1 Row at midpt

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September 18,2024

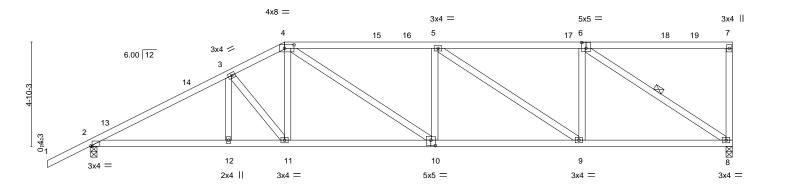


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031772 6242611 A22 Half Hip 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:SuQVa2bJoYHjVzRq1hrHKbylAWH-awTDBRhnKocfOcdudFVg?KWeVpdVLVoi8lghWaycjk6 29-9-8 -2-0-0 2-0-0 . 22-9-12 2-7-3 6-4-12 6-11-12 6-10-0 6-11-12

Scale = 1:53.5



	-	6-4-12	9-0-0	15-11-12		22-9-12	29-9-8	
		6-4-12	2-7-3	6-11-12	'	6-10-0	6-11-12	
Plate Offs	sets (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	G (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 30	0 MT20 244/190	
TCDL	10.0	Lumber DOL	1.15	BC 0.65	Vert(C) -0.24 10-11 >999 24	.0	
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.74	Horz(C	n/a n/a n/a n/a	/a	
BCDL	10.0	Code FBC2023/TP	12014	Matrix-S	Wind(L	.) 0.06 10 >999 24	0 Weight: 164 lb FT = 209	%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

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

WEBS 2x4 SP No.2

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 $2-12 = -274/1817,\ 11-12 = -274/1817,\ 10-11 = -229/1620,\ 9-10 = -222/1959,\ 8-9 = -161/1426$ WFBS 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)



Structural wood sheathing directly applied or 2-9-7 oc purlins,

6-8

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

1 Row at midpt

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September 18,2024

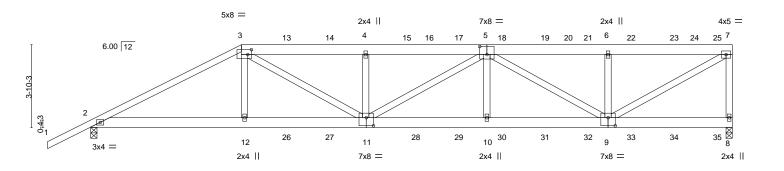


🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031773 6242611 A23 Half Hip Girder 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 2-0-0 18-4-12 29-9-8 7-0-0 5-9-4 5-7-8 5-7-8 5-9-4

Scale = 1:53.5



<u> </u>	7-0-0	12-9-4	18-4-12	24-0-4	29-9-8
	7-0-0	5-9-4	5-7-8	5-7-8	5-9-4
Plate Offsets (X,Y)	[3:0-2-0,0-2-12], [5:0-4-0,0-4-8	3], [9:0-4-0,0-4-8], [11:0-4-0,0-4-	8]		
LOADING (psf)	SPACING- 2-	D-0 CSI .	DEFL. in	(loc) I/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1	.15 TC 0.48	Vert(LL) -0.11 1	0-11 >999 360	MT20 244/190
TCDL 10.0	Lumber DOL 1	.15 BC 0.53	Vert(CT) -0.23 1	0-11 >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/TPI201	4 Matrix-S	Wind(LL) 0.07 1	0-11 >999 240	Weight: 392 lb FT = 20%

TOP CHORD

BOT CHORD

LUMBER- BRACING-

TOP CHORD 2x6 SP No.2 *Except*

1-3: 2x4 SP No.2

BOT CHORD 2x6 SP No.2 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)

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-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=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
- 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 6) Provide adequate drainage to prevent water ponding.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) 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.



Structural wood sheathing directly applied or 5-5-6 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

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

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



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

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 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-271bOniP56kW?mC4Bz0vXX3t?C?V409sMyPF20ycjk5

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 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 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 17-0-12, 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

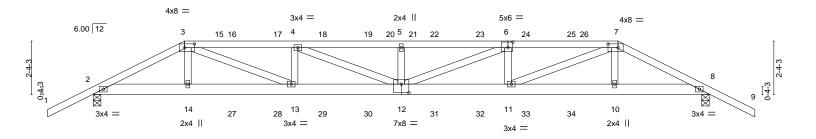
Concentrated Loads (lb)

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) 18=-123(B) 18=-123(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)



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031774 6242611 B01 HIP GIRDER Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:01 2024 Page 1 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-XJbzc7j1sQsNdwmGkgX84lb5ocN8pXJ?bc9obTycjk4 -2-0-0 2-0-0 18-2-2 23-0-0 27-0-0 29-0-0 4-0-0 4-9-14 4-8-2 4-8-2 4-9-14 4-0-0 2-0-0

Scale = 1:50.5



	—	4-0-0 4-0-0	8-9-14 4-9-14	-	13-6-0 4-8-2		3-2-2 -8-2	-		23-0-0	27-0-0 4-0-0	
Plate Offs	sets (X,Y)	[3:0-5-4,0-2-0], [6:0-2-8,0)-2-0], [12:0-		4	-6-2			4-9-14	4-0-0	
LOADING	G (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	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.29	12	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2023/T	PI2014	Matri	x-S	Wind(LL)	0.16	12	>999	240	Weight: 303 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

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

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

WEBS

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=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
- 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 6) Provide adequate drainage to prevent water ponding.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) 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.



Structural wood sheathing directly applied or 5-10-11 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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





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

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 2

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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

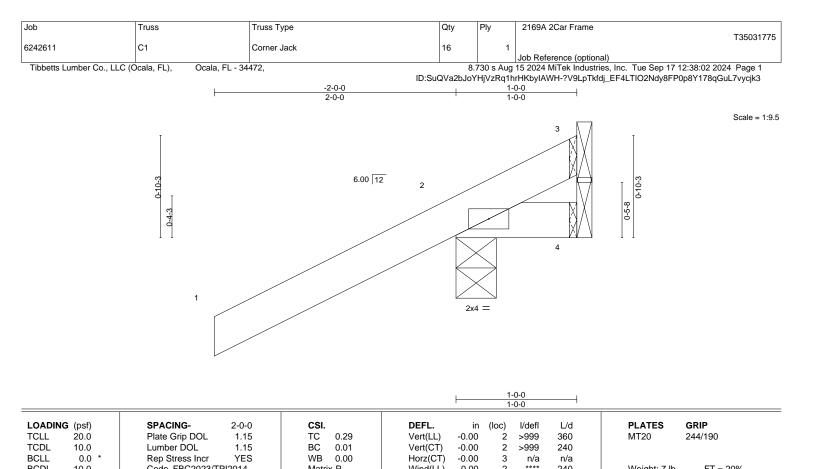
Uniform Loads (plf)

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) 27= 28=-18(F) 29=-18(F) 30=-18(F) 31=-18(F) 32=-18(F) 33=-18(F) 34=-18(F)





Wind(LL)

BRACING-TOP CHORD

BOT CHORD

0.00

240

Rigid ceiling directly applied or 10-0-0 oc bracing.

Structural wood sheathing directly applied or 1-0-0 oc purlins.

Weight: 7 lb

FT = 20%

LUMBER-

BCDL

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

10.0

REACTIONS. 3=Mechanical, 2=0-4-0, 4=Mechanical (size)

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)

Code FBC2023/TPI2014

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

NOTES-

1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed; 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

Matrix-P

- 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.
- 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.

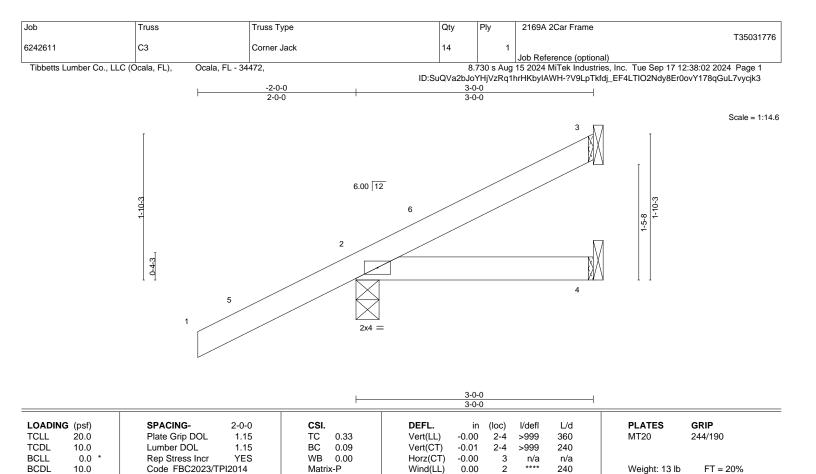


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September 18,2024







BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2 BOT CHORD

2x4 SP No.2

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

Max Horz 2=71(LC 12)

Max Uplift 3=-14(LC 9), 2=-85(LC 12)

Max Grav 3=37(LC 17), 2=290(LC 1), 4=56(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 2-11-4 zone; cantilever left and right exposed; 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.
- * 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.



Structural wood sheathing directly applied or 3-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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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.



Job Truss Truss Type Qty 2169A 2Car Frame T35031777 6242611 C3A Corner Jack 2 Job Reference (optional) 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:02 2024 Page 1 Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-?V9LpTkfdj_EF4LTIO2Ndy8Hn0ovY178qGuL7vycjk3 3-0-0 Scale: 1"=1 6.00 12 0-4-3 2x4 3-0-0 3-0-0 LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defI **PLATES** GRIP (loc)

LUMBER-

REACTIONS.

TCLL

TCDL

BCLL

BCDL

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

20.0

10.0

0.0

10.0

Wind(LL) BRACING-

Vert(LL)

Vert(CT)

Horz(CT)

-0.00

-0.01

-0.00

0.00

1-3

1-3

2

>999

>999

n/a ****

TOP CHORD BOT CHORD

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

MT20

Weight: 10 lb

360

240

n/a

240

1=0-3-8, 2=Mechanical, 3=Mechanical (size)

1.15

1.15

YES

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)

Plate Grip DOL

Rep Stress Incr

Code FBC2023/TPI2014

Lumber DOL

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

NOTES-

1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed; 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

TC

ВС

WB

Matrix-P

0.14

0.09

0.00

- 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.
- 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) 2.



244/190

FT = 20%

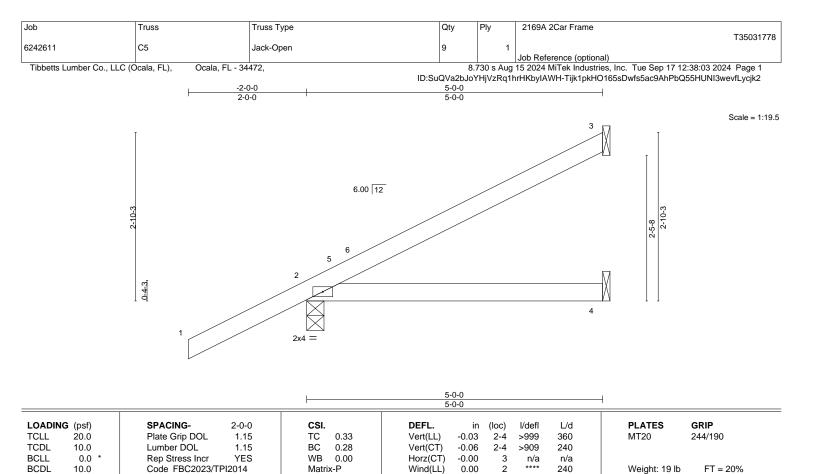
MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

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.





BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

2x4 SP No.2

TOP CHORD BOT CHORD 2x4 SP No.2

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

Max Horz 2=95(LC 12) Max Uplift 3=-36(LC 12), 2=-70(LC 12)

Max Grav 3=115(LC 1), 2=349(LC 1), 4=96(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 4-11-4 zone; cantilever left and right exposed; 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.
- * 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.



Structural wood sheathing directly applied or 5-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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.



Job Truss Truss Type Qty 2169A 2Car Frame T35031779 6242611 C5A Corner Jack Job Reference (optional) 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:03 2024 Page 1 Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, ID:SuQVa2bJoYHjVzRq1hrHKbylAWH-Tijk1pkHO165sDwfs5ac9AhNeQ54HUNl3wevfLycjk2 5-0-0 Scale = 1:17.0 6.00 12 0-4-3 5-0-0 LOADING (psf) SPACING-2-0-0 DEFL. I/defI **PLATES** GRIP (loc) Plate Grip DOL 1.15 TC Vert(LL) -0.03 244/190 **TCLL** 0.45 1-3 >999 360 MT20 TCDL 10.0 Lumber DOL 1.15 вс 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 Matrix-P **BCDL** 10.0 Code FBC2023/TPI2014 Wind(LL) 0.00 240 Weight: 16 lb FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. 1=0-3-7, 2=Mechanical, 3=Mechanical (size)

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-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 4-11-4 zone; cantilever left and right exposed; 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.
- * 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) 2.



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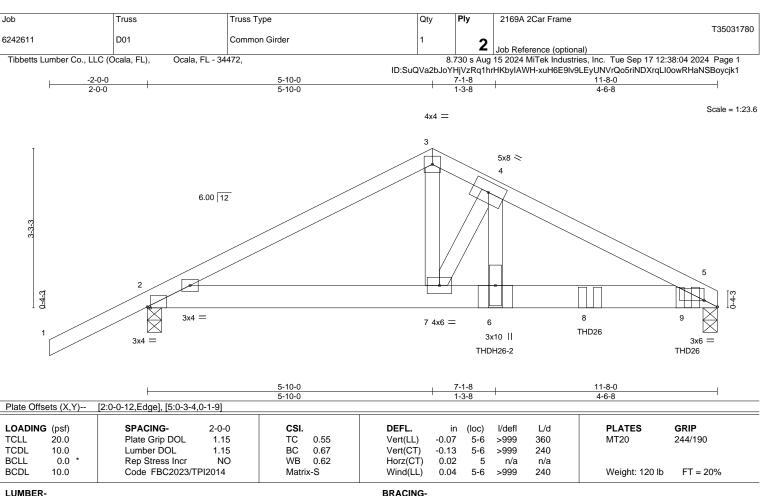
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TOP CHORD

BOT CHORD

LUMBER-

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

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 WFBS 3-7=-211/3714, 4-7=-4658/336, 4-6=-319/5068

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

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.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=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
- 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 6) 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.
- 8) 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
- 9) 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.
- 10) 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.
- 11) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

A THE THE PERSON NAMED IN COLUMN TO ONAL

Structural wood sheathing directly applied or 4-1-9 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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.



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031780 6242611 D01 Common Girder

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

Ocala, FL - 34472,

Job Reference (optional)

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:04 2024 Page 2
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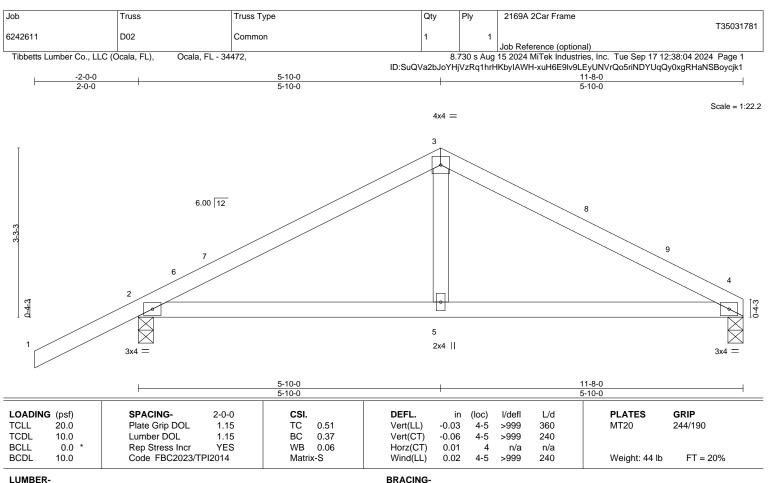
LOAD CASE(S) Standard

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)





TOP CHORD

BOT CHORD

LUMBER-TOP CHORD

2x4 SP No.2 2x4 SP No.2

BOT CHORD WEBS 2x4 SP No.2

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.

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

WEBS 3-5=0/274

NOTES-

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

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) 4, 2.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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.



Job Truss Truss Type Qty 2169A 2Car Frame T35031782 6242611 D03 Hip Girder 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-P4rURVmYweMp6X41zWc4EbmkFDktlO?bWE70kEycjk0 6-8-0 11-8-0 2-0-0 5-0-0 1-8-0 5-0-0

Scale = 1:22.3

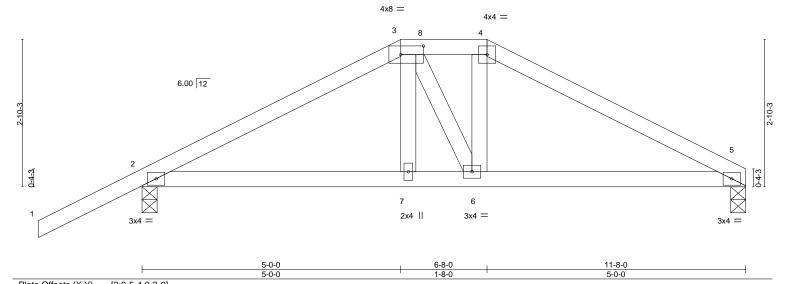


Plate Offse	ets (X,Y)	[3:0-5-4,0-2-0]										
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.03	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.06	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TF	PI2014	Matri	k-S	Wind(LL)	0.01	5-6	>999	240	Weight: 51 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

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-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- * 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) 5 except (jt=lb)
- 8) 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.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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



Structural wood sheathing directly applied or 5-1-1 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

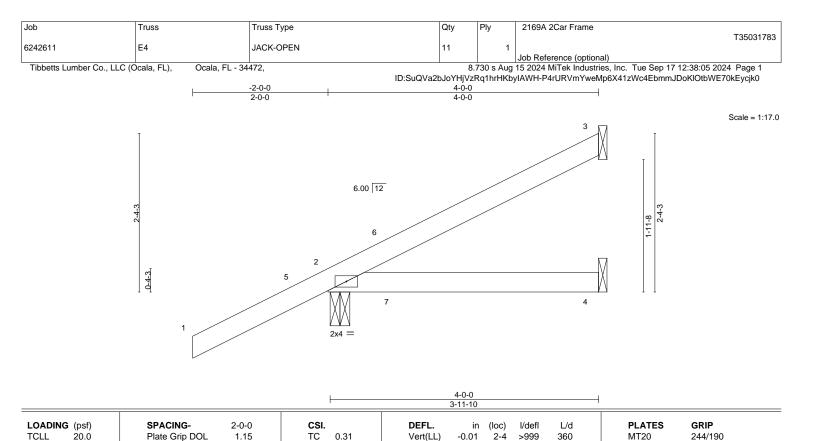
MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

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.





LUMBER-

TCDL

BCLL

BCDL

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

10.0

0.0

10.0

Wind(LL) BRACING-

Vert(CT)

Horz(CT)

-0.02

-0.00

0.01

2-4

3

>999

>999

n/a

240

n/a

240

TOP CHORD BOT CHORD

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

Weight: 16 lb

FT = 20%

REACTIONS. 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)

Code FBC2023/TPI2014

Lumber DOL

Rep Stress Incr

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

ВС

WB

Matrix-P

0.17

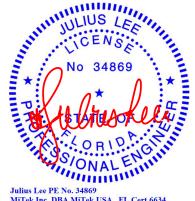
0.00

- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

1.15

YES

- 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.
- 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



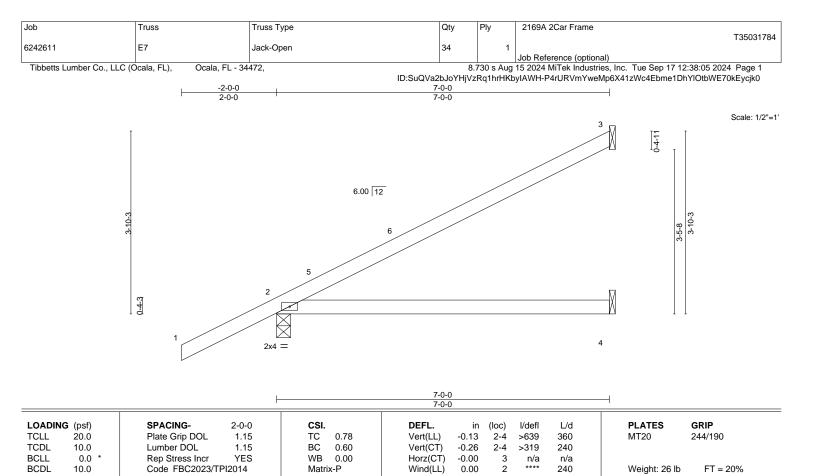
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September 18,2024



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





LUMBER-

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

BOT CHORD

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

REACTIONS. 3=Mechanical, 2=0-3-8, 4=Mechanical (size)

Max Horz 2=119(LC 12)

Max Uplift 3=-62(LC 12), 2=-63(LC 12)

Max Grav 3=183(LC 1), 2=421(LC 1), 4=136(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 6-11-4 zone; cantilever left and right exposed; 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.
- * 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.



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September 18,2024





Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031785 6242611 G01 Half Hip 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-tHOsfqnAhyUfkhfEXD7JnoJs2d0cUijklusZGgycjk? 17-7-0 20-0-0 7-1-10 7-1-10 15-7-12 4-5-6 4-0-12 1-11-4 2-5-0 4x8 = 3x4 || Scale = 1:54.5 6.00 12 7 6 3x6 / 5 5x5 / 13 2x4 || 3

> 7-1-10 15-7-12 17-7-0 20-0-0 7-1-10

> > BRACING-

TOP CHORD

BOT CHORD

WEBS

15

10

7x8 =

except end verticals.

1 Row at midpt

9

3x4 =

8 4x5 =

Structural wood sheathing directly applied or 3-11-2 oc purlins,

7-8, 5-9, 6-8

Rigid ceiling directly applied or 10-0-0 oc bracing.

Plate Offsets (X,Y) [2	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]
------------------------	--

3x4 =

LOADIN	\(\(\)		2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC TC	0.63	Vert(LL)	-0.08 10-11	>999	360	MT20	244/190
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/TPI20	014	Matri	x-S	Wind(LL)	0.03 10-11	>999	240	Weight: 169 lb	FT = 20%

11

3x4 =

LUMBER-

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

WEBS 2x4 SP No.2

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.

2-3=-1825/0, 3-4=-1817/0, 4-5=-674/0, 5-6=-356/109 TOP CHORD 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-

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

1) 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

2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-6=-50, 6-7=-50, 2-11=-35, 11-14=-75, 14-15=-90, 10-15=-75, 8-10=-35

3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25

Vert: 1-6=-20, 6-7=-20, 2-11=-40, 10-11=-80, 8-10=-40



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September 18,2024

Continued on page 2





.loh Truss Truss Type Qty 2169A 2Car Frame T35031785 6242611 G01 Half Hip 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 2 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-tHOsfqnAhyUfkhfEXD7JnoJs2d0cUijklusZGgycjk?

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





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 3 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-tHOsfqnAhyUfkhfEXD7JnoJs2d0cUijklusZGgycjk?

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

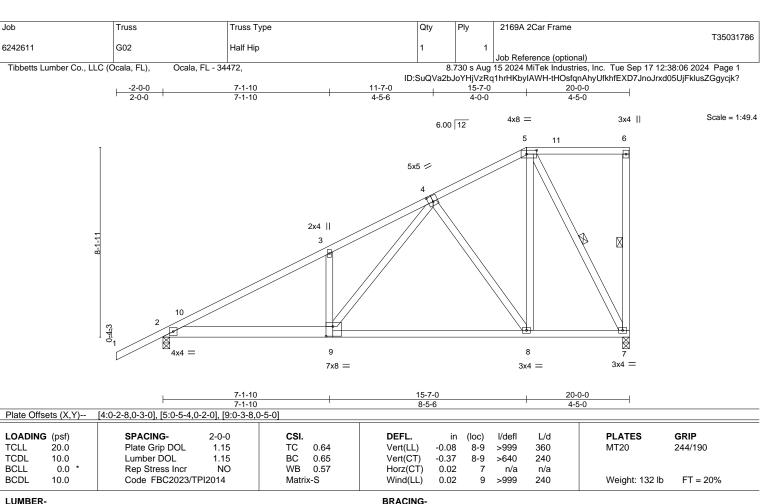
25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

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





TOP CHORD

BOT CHORD

WEBS

LUMBER-

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

2x6 SP No.2 *Except*

7-9: 2x4 SP M 31 or 2x4 SP SS

WEBS 2x4 SP No.2

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

WFBS 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.
- * 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

Structural wood sheathing directly applied or 4-0-1 oc purlins,

6-7, 5-7

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

1 Row at midpt

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September 18,2024

Continued on page 2





.loh Truss Truss Type Qty 2169A 2Car Frame T35031786 6242611 G02 Half Hip 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 2 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-tHOsfqnAhyUfkhfEXD7JnoJrxd05UjFklusZGgycjk?

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

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



MARNING - 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



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 3 ID:SuQVa2bJoYHjVzRq1hrHKbylAWH-tHOsfqnAhyUfkhfEXD7JnoJrxd05UjFklusZGgycjk?

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

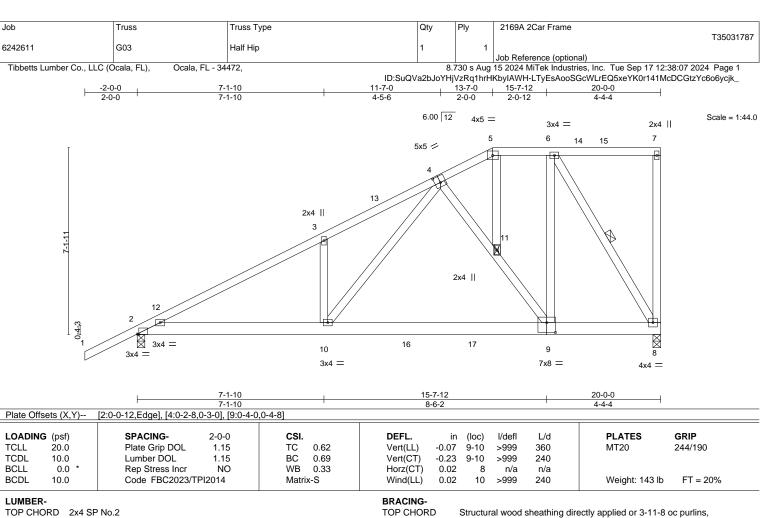
Uniform Loads (plf)

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





LUMBER-

TOP CHORD BOT CHORD 2x6 SP No.2

WEBS 2x4 SP No.2

except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. **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.

2-3=-1840/0, 3-4=-1845/0, 4-5=-677/0, 5-6=-608/0 TOP CHORD

BOT CHORD 2-10=0/1633, 9-10=-9/949, 8-9=0/625

WFBS 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-

- 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 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
- 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.
- * 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: 1-5=-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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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.



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-LTyEsAooSGcWLrEQ5xeYK0r141McDCGtzYc6o6ycjk_

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

Vert: 1-5=-20, 5-7=-20, 2-10=-40, 10-16=-80, 16-17=-100, 9-17=-80, 8-9=-40

Uniform Loads (plf)

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





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 3 ID:SuQVa2bJoYHjVzRq1hrHKbylAWH-LTyEsAooSGcWLrEQ5xeYK0r141McDCGtzYc6o6ycjk_

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

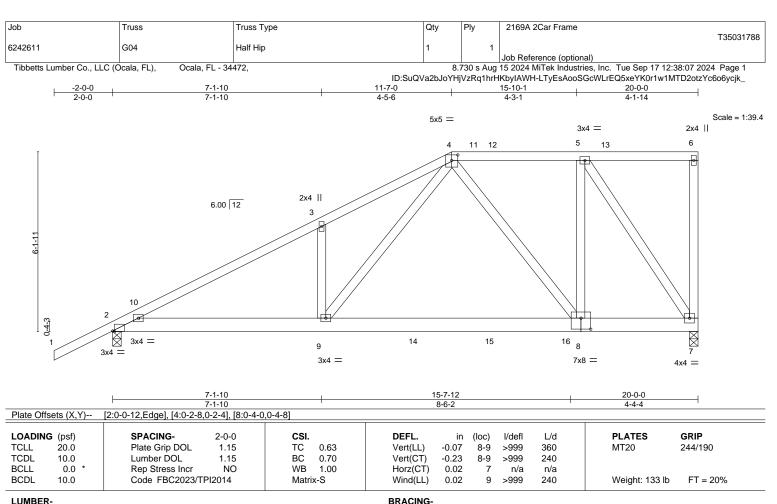
Uniform Loads (plf)

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





TOP CHORD

BOT CHORD

LUMBER-

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

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.

2-3=-1835/0, 3-4=-1836/0, 4-5=-701/0 TOP CHORD

2-9=0/1617, 8-9=0/932, 7-8=0/713 **BOT CHORD**

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.
- * 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



Structural wood sheathing directly applied or 3-11-5 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

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

September 18,2024

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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 12:38:07 2024 Page 2 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-LTyEsAooSGcWLrEQ5xeYK0r1w1MTD2otzYc6o6ycjk_

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





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,

8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:07 2024 Page 3 ID:SuQVa2bJoYHjVzRq1hrHKbylAWH-LTyEsAooSGcWLrEQ5xeYK0r1w1MTD2otzYc6o6ycjk_

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

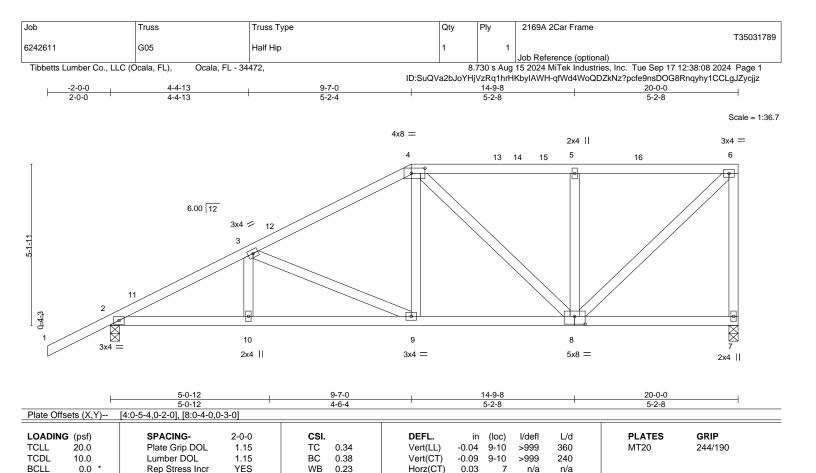
Uniform Loads (plf)

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





Wind(LL)

BRACING-

TOP CHORD

BOT CHORD

0.02 9-10 240

Rigid ceiling directly applied or 10-0-0 oc bracing.

Structural wood sheathing directly applied or 4-10-4 oc purlins,

>999

except end verticals.

LUMBER-

BCDL

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

10.0

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

Code FBC2023/TPI2014

BOT CHORD 2-10=-239/1183, 9-10=-239/1183, 8-9=-171/814 WFBS 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

Matrix-S

- 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.



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

September 18,2024

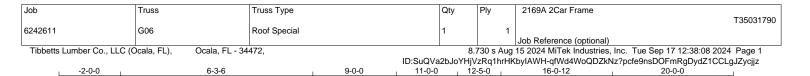
FT = 20%

Weight: 116 lb



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





2-0-0

2-8-10

12-5-0

1-5-0

16-0-12

3-7-12

16-0-12

except end verticals.

Structural wood sheathing directly applied or 4-7-10 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

Scale = 1:37.6

20-0-0

3-11-4

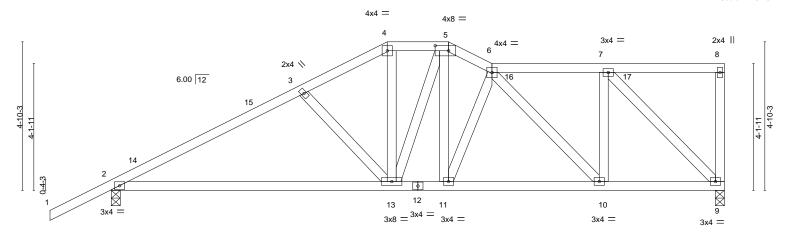


Plate Offsets (X,Y)-	9-0-0 [5:0-5-4,0-2-0]		2-0-0	5-0-12	3-11-4
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc) I/defl L/d	PLATES GRIP
TCLL 20.0 TCDL 10.0 BCLL 0.0 *	Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	TC 0.43 BC 0.80 WB 0.45	Vert(LL)	-0.17 2-13 >999 360 -0.36 2-13 >661 240 0.03 9 n/a n/a	MT20 244/190
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL)	0.02 2-13 >999 240	Weight: 121 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

BOT CHORD WEBS 2x4 SP No.2

2-0-0

(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

6-3-6

WFBS 3-13=-295/144, 4-13=-16/344, 6-11=-278/87, 6-10=-402/92, 7-10=0/415, 7-9=-920/145

9-0-0

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) 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
- 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.
- 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.
- * 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) 9, 2.



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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.



Job Truss Truss Type Qty Ply 2169A 2Car Frame T35031791 6242611 G07 Roof Special Girder 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:SuQVa2bJoYHjVzRq1hrHKbyIAWH-Is4?Hsp2_tsEb8OpCMg0PRxMXr?oh45ARs5Ds?ycjjy 17-0-12 13-0-<u>0</u> 20-0-0

3-0-0

1-5-0

2-7-12

Structural wood sheathing directly applied or 3-4-5 oc purlins,

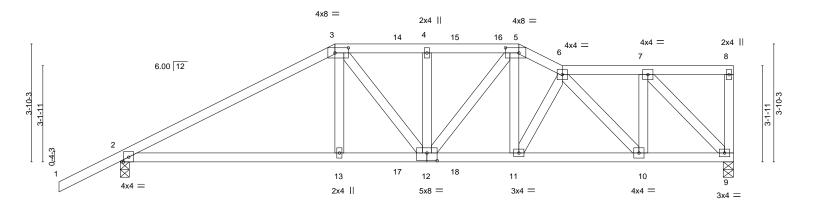
Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

3-0-0

Scale = 1:37.6

2-11-4



	7-0-0 7-0-0		0-0-0 3-0-0	13-0-0 3-0-0		-	17-0-12 4-0-12	-	20-0 2-1	
Plate Offsets (X,Y)	[3:0-5-4,0-2-0], [5:0-5-4,0-2-0], [12:0-4			000			7012			
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code FBC2023/TPI2014	CSI. TC 0.68 BC 0.84 WB 0.50 Matrix-S	DEFL. Vert(LL Vert(CT Horz(C' Wind(Li	-0.09 2) -0.20 2 T) 0.07	2-13 9	I/defI >999 >999 n/a >999	L/d 360 240 n/a 240	PLAT MT20 Weig		GRIP 244/190 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

2x4 SP No.2 *Except* TOP CHORD

1-3: 2x4 SP M 31 or 2x4 SP SS

BOT CHORD 2x4 SP No.2

2-0-0

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

2-13=-30/2181, 12-13=-23/2198, 11-12=-49/2225, 10-11=-61/2269, 9-10=-45/1292 **BOT CHORD 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,

7-0-0

7-10=0/1110, 7-9=-1826/38

NOTES-

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

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, 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 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

September 18,2024

Continued on page 2







Job	Truss	Truss Type	Qty	Ply	2169A 2Car Frame	٦
					T35031791	
6242611	G07	Roof Special Girder	1	1		
					Job Reference (optional)	

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

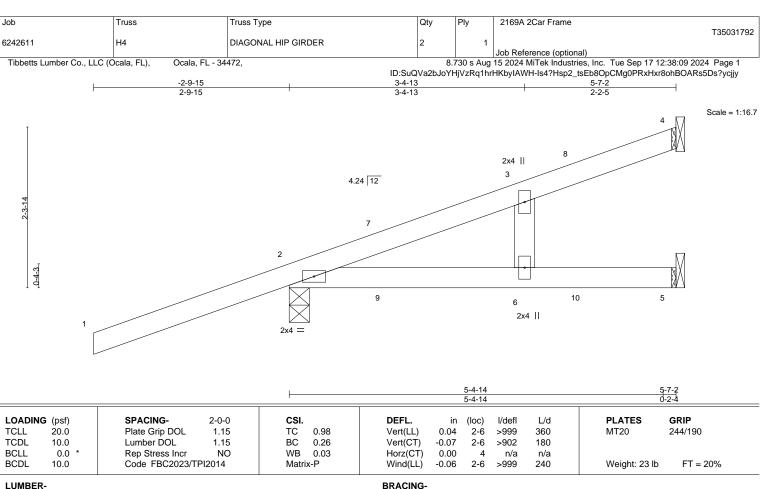
8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:09 2024 Page 2 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-Is4?Hsp2_tsEb8OpCMg0PRxMXr?oh45ARs5Ds?ycjjy

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)





TOP CHORD

BOT CHORD

LUMBER-TOP CHORD

2x4 SP No 2 2x4 SP No.2

BOT CHORD WEBS 2x4 SP No.2

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-

- 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; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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=215
- 7) 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.
- 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: 7=124(F=62, B=62) 10=-2(F=-1, B=-1)



Structural wood sheathing directly applied or 5-3-4 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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

September 18,2024



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



Job Truss Truss Type Qty 2169A 2Car Frame T35031793 6242611 H5 Diagonal Hip Girder 2 Job Reference (optional) 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:10 2024 Page 1 Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, ID:SuQVa2bJoYHjVzRq1hrHKbylAWH-m2eNVCqglB_5Cly?m3CFxeTSaEWhQdnKgWqnORycjjx Scale = 1:19.0 4.24 12 3x4 = 0-4-3 10 11 6 5 3x4 =2x4 || 2x4 =7-0-2 6-9-14 3-4-15 6-10-10 0-0-12 0-1-8 LOADING (psf) SPACING-DEFL. I/defI **PLATES** GRIP 2-0-0 CSI. (loc) L/d 20.0 1.15 244/190 **TCLL** Plate Grip DOL TC 0.98 Vert(LL) -0.01 6-7 >999 360 MT20 TCDL 10.0 Lumber DOL 1.15 ВС 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) -0.01 240 Weight: 33 lb FT = 20% >999 BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.2

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.

2-3=-424/59 TOP CHORD

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.
- * 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)



Structural wood sheathing directly applied or 3-9-12 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

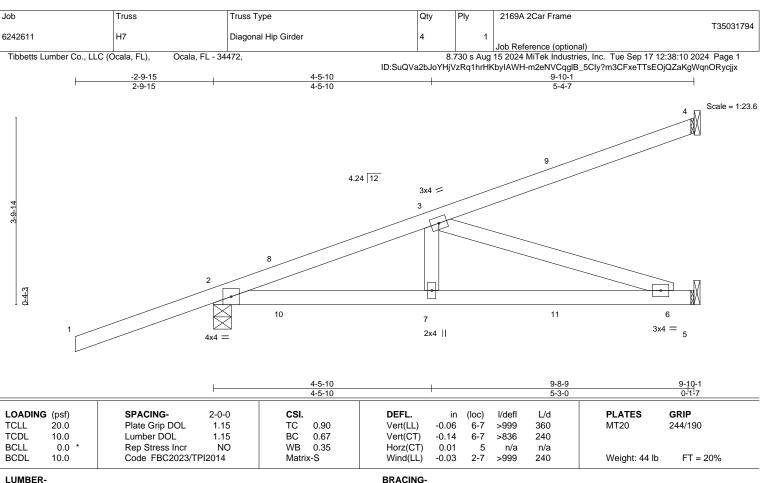
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September 18,2024



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





TOP CHORD

BOT CHORD

LUMBER-

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

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

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 31), 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-

- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb)
- 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, 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.
- 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) 9=-89(F=-30, B=-59) 11=-39(F=-20, B=-20)



Structural wood sheathing directly applied or 4-5-7 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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

September 18,2024

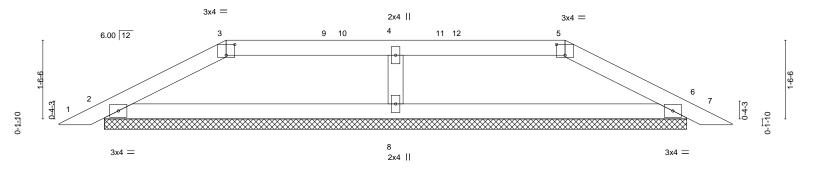


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job		Truss	Truss Type		Qty	Ply	2169A 2Car Frame
							T35031795
6242611		PB1	Piggyback		2	1	
							Job Reference (optional)
Tibbetts L	umber Co., LLC (O	cala, FL), Ocala, FL - 3	1472,		8.7	730 s Aug	15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:11 2024 Page 1
				ID:Su0	QVa2bJoY	HjVzRq1h	rHKbyIAWH-EECliYrIVU6yqSXBKnjUUs0qrepa95wTuAaKwuycjjw
	3-3	3-15		9-10-15			13-2-14
	3-3	3-15		6-7-0			3-3-15

Scale = 1:22.4



						13-2-14						1
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.Ó	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	0.01	` ź	n/r	120	MT20	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/TI	PI2014	Matri	∢-S						Weight: 39 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

13-2-14

LUMBER-

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

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.

2-3=-352/143, 3-4=-290/143, 4-5=-290/143, 5-6=-352/143 TOP CHORD

BOT CHORD 2-8=-85/290, 6-8=-85/290

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) 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
- 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) Gable requires continuous bottom chord bearing.
- 6) 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

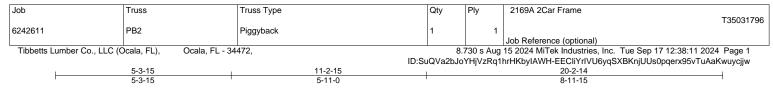
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September 18,2024

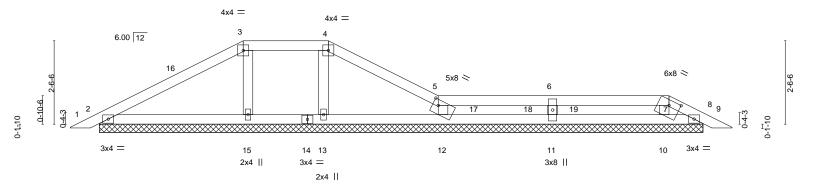


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Scale = 1:34.9



ı						20-2-14						
						20-2-14						
Plate Offse	ets (X,Y)	[5:0-2-0,0-2-0], [7:0-4-0,0	-1-15]									
		1										
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	0.25	Vert(LL)	-0.00	8	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	ВС	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/TI	PI2014	Matri	x-S	, ,					Weight: 66 lb	FT = 20%

LUMBER-**BRACING-**

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

TOP CHORD **BOT CHORD**

Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

REACTIONS. All bearings 18-3-12.

Max Horz 2=-41(LC 10) (lb) -

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

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

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) 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
- 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) Gable requires continuous bottom chord bearing.
- 6) 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 11, 8.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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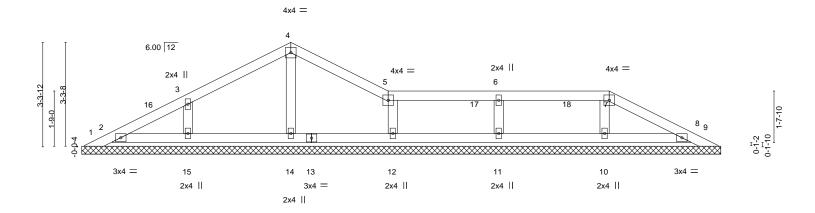
Job Truss Truss Type Qty 2169A 2Car Frame T35031797 6242611 PB3 **GABLE** Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:12 2024 Page 1 ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-iRm7vurxGoEpSc6OuUEj03Y?w2CRuYAd7pJtSKycjjv 16-8-7 20-2-14

7-0-0

3-1-0

Scale = 1:36.5

3-6-7



	20-2-14 20-2-14												
LOADIN	G (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	244/190	
TCDL	10.0	Lumber DOL	1.15	ВС	0.08	Vert(CT)	n/a	-	n/a	999			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	8	n/a	n/a			
BCDL	10.0	Code FBC2023/TI	PI2014	Matri	x-S						Weight: 70 lb	FT = 20%	

BOT CHORD

LUMBER-BRACING-TOP CHORD

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

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

All reactions 250 lb or less at joint(s) 1, 9, 2, 14, 10, 8 except 15=259(LC 23), 12=261(LC 24), Max Grav

11=306(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) 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
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Provide adequate drainage to prevent water ponding.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) 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.
- 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

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



Job Truss Truss Type Qty 2169A 2Car Frame T35031798 6242611 PB4 **GABLE** Job Reference (optional) 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:13 2024 Page 1 Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, ID:SuQVa2bJoYHjVzRq1hrHKbylAWH-AdKW7EsZ16Ng3mhaRBlyZH590SXod?PmMT3R?mycjju

5-1-0

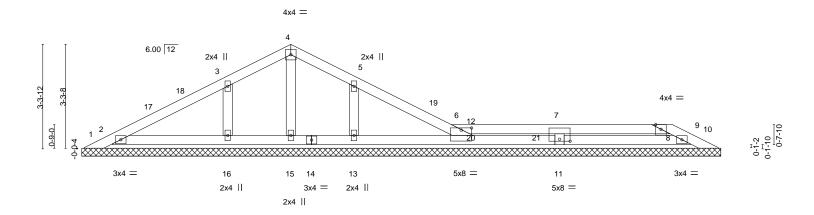
Scale = 1:36.5

20-2-14

8-6-7

Structural wood sheathing directly applied or 6-0-0 oc purlins.

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



						20-2-14							
Plate Off	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]												
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	9	n/a	n/a			
BCDL	10.0	Code FBC2023/T	PI2014	Matri	x-S						Weight: 70 lb	FT = 20%	

TOP CHORD

BOT CHORD

20-2-14

LUMBER-**BRACING-**

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

(lb) -

2x4 SP No.2

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-

REACTIONS.

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

All bearings 20-2-14.

- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) 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.
- 11) 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
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



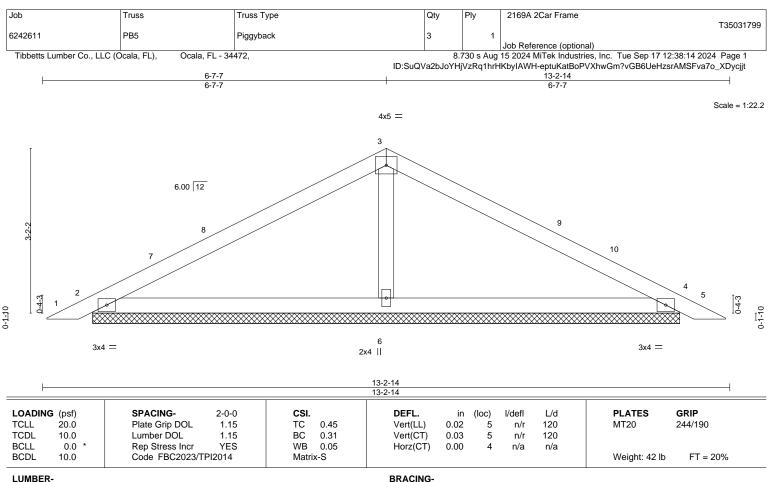
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TOP CHORD

BOT CHORD

TOP CHORD

2x4 SP No.2 2x4 SP No.2

BOT CHORD 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)

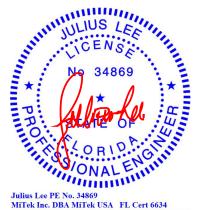
Max Grav 2=244(LC 23), 4=244(LC 24), 6=492(LC 1)

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

WEBS 3-6=-320/146

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) 2, 4.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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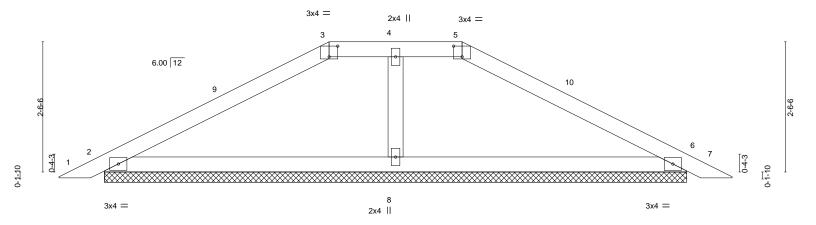


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Truss Truss Type Qty 2169A 2Car Frame T35031800 6242611 PB6 Piggyback Job Reference (optional) 8.730 s Aug 15 2024 MiTek Industries, Inc. Tue Sep 17 12:38:14 2024 Page 1 Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, ID:SuQVa2bJoYHjVzRq1hrHKbyIAWH-eptuKatBoPVXhwGm?vGB6Uelxsq3MSpva7o_XDycjjt 13-2-14 7-10-15 5-3-15 2-7-0 5-3-15

Scale = 1:22.4



-						10 2 17						
Plate Offsets	s (X.Y)	[3:0-2-0,0-2-8], [5:0-2-0,0	1-2-81									
	- (/ /	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1										
LOADING ((psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 2	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	0.01	7	n/r	120	MT20	244/190
TCDL 1	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 1	10.0	Code FBC2023/T	PI2014	Matri	x-S						Weight: 41 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

2x4 SP No.2

(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.

2-3=-368/167, 3-4=-275/177, 4-5=-275/177, 5-6=-368/167 TOP CHORD

BOT CHORD 2-8=-84/275, 6-8=-84/275

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) 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
- 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) Gable requires continuous bottom chord bearing.
- 6) 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

September 18,2024

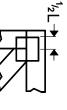


🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

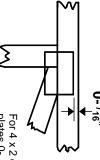


Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ 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 × 4

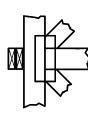
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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.

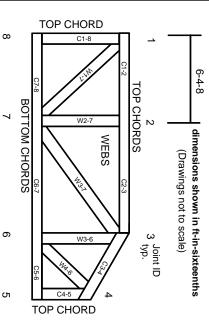
Industry Standards:

National Design Specification for Metal Plate Connected Wood Truss Construction Design Standard for Bracing.

Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

ANSI/TPI1: DSB-22:

Numbering System



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/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- 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.

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Never exceed the design loading shown and never stack materials on inadequately braced trusses.

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- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.

'n

- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

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Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.

9

- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 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.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- The design does not take into account any dynamic or other loads other than those expressly stated.



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

stomer Information		Job Information			
Adams Homes of NW FL - Ga	nesville	The Preserve at Lau	ırel Lake	089	
dress & Phone	Contact	Address	Lot	Sub-Division	
			089	The Preserve	at Laurel Lake
		297 SW Silver Palm Dr	Sales Pers	on	Customer P.O. No.
Phone:		Lake City FL 32024	Chris	Adam	
-none.		Lake City FL 32024	Estimator		Designer
			Steve	n Roberts	Steven Roberts

	Loa	ding		Dil	dina Co	40		Wind	Design	Mothod		Velocity	Exp Cat	Wind	l Max
TCLL	TCDL	BCLL	BCDL	Bull	ding Co	ae		vvina	Design	wethod		velocity	Occ Cat	TCDL	BCDL
20	10	0	10	FBC2	023/TPI2	014	MWFRS (Direction	al)/C-C h	ybrid Wir	nd ASCE 7-22	2 130 mph	ВШ	4.2	6
Roof T	russe	es													
					Qty	Span	TC Pitch	TC							
Label		Pr	ofile		Ply	Height	BC Pitch	ВС				Reactions			
A01					1	42-00-00	6 /12	2 x 6	Joint 2 3306	Joint 9 3479					
					2-ply	4-09-15	0.440	2 x 6	-220	-246					
A02		V		1	1	42-00-00	6 /12	2 x 4	Joint 10 1665	Joint 2 1800					
					1-ply	5-09-15	0.40	2 x 4	-71	-135					
A03		$\sqrt{\nabla}$	V	∇	1 1	42-00-00	6 /12	2 x 4 2 x 4	Joint 10 1665	Joint 2 1800					
					1-ply	6-09-15 42-00-00	6 /12	2 x 4	-71	-135	Inited O				
A04		\sqrt{N}	> <	$\mathbb{Z}_{\mathbb{Z}}$	1 1-ply	7-09-15	3 /12	2 x 4	Joint 12 1136	Joint 18 2822	Joint 2 -39				
				_	1-piy	42-00-00	6/12	2 x 4	-47 Joint 10	-204 Joint 15	-701 Joint 2				
A05			>		1-ply	8-09-15	3 /12	2 x 4	1216	2396	-25				
					1-piy	42-00-00	6/12	2 x 4	-52 Joint 11	-181 Joint 17	-353 Joint 2				
A06	_	ΛW	\mathbb{X}		1-ply	9-09-15	3 /12	2 x 4	1233	2306	46				
					1-piy	42-00-00	6/12	2 x 4	-54 Joint 11	-107 Joint 18	-266 Joint 2				
A07		ℴ℄		121	1-ply	10-09-15	3 /12	2 x 4	1374	2450	72				
				$\overline{\lambda}$	1	42-00-00	6/12	2 x 4	-55 Joint 11	-101 Joint 16	-163 Joint 2				
A08					1-ply	10-02-00	3 /12	2 x 4	1385	2435	49				
	_		N Z	$\overline{\Lambda}$	1	42-00-00	6 /12	2 x 4	-55 Joint 11	-104 Joint 16	-155 Joint 2				
A09					1-ply	10-02-00	3 /12	2 x 4	1385	2435	49				
			NZ	$\overline{\Lambda}$	1	42-00-00	6 /12	2 x 4	-55 Joint 11	-104 Joint 16	-155 Joint 2				
A10					1-ply	10-02-00	3 /12	2 x 4	1385 -55	2435 -104	49 -155				
A44			NZ	$\overline{\Lambda}$	1	42-00-00	6 /12	2 x 4	Joint 11	Joint 16	Joint 2				
A11	_				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				
AIZ		1/>			1-ply	10-01-15	3 /12	2 x 4	1379 -54	2451 -107	50 -173				
A13			NZV		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			V		1	42-00-00	6 /12	2 x 4	Joint 11	Joint 16	Joint 2				
A17	_	س/2	\sim		1-ply	10-01-15	3 /12	2 x 4	1361 -54	2472 -107	46 -191				
A15			\sqrt{N}		1	42-00-00	6 /12	2 x 4	Joint 11 1253	Joint 17 2198	Joint 2 57				
	_	حسريا			1-ply	10-01-15	3 /12	2 x 4	-54	-104	-179				
A16			V		1	42-00-00	6 /12	2 x 4	Joint 12 1256	Joint 18 2184	Joint 2 67				
	_	حسلا			1-ply	10-01-15	3 /12	2 x 4	-54	-103	-168				
A17			$\sqrt{\mathbb{W}}$	7	1	29-09-08	6 /12	2 x 4	Joint 12 1384	Joint 13 809	Joint 2 296				
	<u> </u>			<u> </u>	1-ply	10-09-15	3 /12	2 x 4	-121	-63	-135				
A18		7	1	29-09-08	6 /12	2 x 4	Joint 15 1190	Joint 2 1331							
		دا ک		<u> </u>	1-ply	9-09-15	3 /12	2 x 4	-59	-99					
A19		~		7	1	29-09-08	6 /12	2 x 4	Joint 2 1456	Joint 7 1369					
			<u> </u>		1-ply	8-09-15		2 x 4	-110	-65					



62426			Т	he Pres	erve	at Lau	ırel La	ake 0	39				Page: 2 d	of 3
Roof T	russes													
		Qty	Span	TC Pitch	TC									
Label	Profile	Ply	Height	BC Pitch	ВС					React	ions			
A20		1	29-09-08	6 /12	2 x 4	Joint 2 1461	Joint 8 1348							
		1-ply	7-09-15		2 x 4	-111	-58							
A21		1	29-09-08	6 /12	2 x 4	Joint 2 1313	Joint 8 1175							
		1-ply	6-09-15		2 x 4	-112	-51							
A22		1	29-09-08	6 /12	2 x 4	Joint 2 1313	Joint 8 1175							
		1-ply	5-09-15		2 x 4	-113	-50							
A23		1	29-09-08	6 /12	2 x 6	Joint 2 2296	Joint 8 2492							
		2-ply	4-09-15		2 x 6	-151	-166							
B01		1	27-00-00	6 /12	2 x 4	Joint 2 1408	Joint 8 1424							
		2-ply	3-03-15		2 x 6	-415	-426							
C1		16	1-00-00	6 /12	2 x 4	Joint 2 290	Joint 3 68	Joint 4 19						
		1-ply	1-09-15		2 x 4	-134	-101	6						
СЗ		14	3-00-00	6 /12	2 x 4	Joint 2 290	Joint 3 37	Joint 4 56						
		1-ply	2-09-15		2 x 4	-85	-14	17						
C3A		2	3-00-00	6 /12	2 x 4	Joint 1 112	Joint 2 84	Joint 3 56						
		1-ply	1-10-03		2 x 4	5	-31	17						
C5		9	5-00-00	6 /12	2 x 4	Joint 2 349	Joint 3 115	Joint 4 96						
		1-ply	3-09-15		2 x 4	-70	-36	29						
C5A		1	5-00-00	6 /12	2 x 4	Joint 1	Joint 2	Joint 3						
OUA		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							
D01		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							
D02		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							
D03		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						
L'		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							
301		1-ply	10-01-07		2 x 6	1158 57	1121 152							
G02	$\sqrt{\Gamma}$	1	20-00-00	6 /12	2 x 4	Joint 2	Joint 7							
G02		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							
303		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							
304		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							
300		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							
300		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							
307		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						
П4		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						
пэ		1-ply	3-09-07		2 x 4	458 -173	127 -31	146 -5						
U7		4	9-10-01	4.24 /12	2 x 4	Joint 2	Joint 4	Joint 5						
H7		1-ply	4-09-07		2 x 4	586 -179	176 -57	276 5						
DD4		2	13-02-14	6 /12	2 x 4	Joint 2	Joint 6	Joint 8						
PB1		1-ply	1-07-12		2 x 4	297 -43	297 -43	380 8						
DD2		1	20-02-14	6 /12	2 x 4	Joint 10	Joint 11	Joint 12	Joint 13	Joint 15	Joint 2	Joint 8		
PB2		1-ply	2-07-12		2 x 4	188 0	305 -31	283 -22	210	318 1	207 -36	56 -22		
		. ,		1		J O	-31	-22	0	1	-36	-22		



The Preserve at Laurel Lake 089

62426	611-R		Т	89	Page: 3 of 3					
Roof Ti										
		Qty	Span	TC Pitch	TC					
Label	Profile	Ply	Height	BC Pitch	ВС				Reactions	
PB3		1	20-02-14	6 /12	2 x 4				Continuous Support	
' 50		1-ply	3-03-08		2 x 4				Continuous Support	
PB4		1	20-02-14	6 /12	2 x 4				2 " 2 '	
' 57		1-ply	3-03-08		2 x 4				Continuous Support	
PB5		3	13-02-14	6 /12	2 x 4	Joint 2	Joint 4	Joint 6		
100		1-ply	3-03-08		2 x 4	244 -38	244 -38	492 4		
PB6		1	13-02-14	6 /12	2 x 4	Joint 2	Joint 6	Joint 8		
F B 0		1-ply	2-07-12		2 x 4	341 -59	341 -59	314 45		

