

RE: 6241956 - 1755-C- Frame MiTek, Inc.

16023 Swingley Ridge Rd. Site Information:

Chesterfield, MO 63017
Customer Info: Adams Homes-Gainesville Project Name: The Preserve at Laurel Lake 1431 Model: 1755-C- Frame

Lot/Block: 143 Address: SW Silver Palm Dr , . Subdivision: The Preserve at Laurel Lake

City: Lake City State: fl

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

Name: License #:

Address:

City: State:

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

Design Code: 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 38 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.

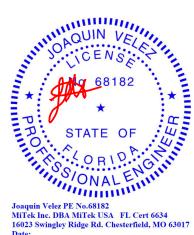
No. 1 23 4 5 6 7 8 9 10 11 23 14 15 16 17 8 19 20	Seal# T34535082 T34535084 T34535085 T34535086 T34535087 T34535088 T34535090 T34535091 T34535092 T34535092 T34535094 T34535095 T34535096 T34535097 T34535098 T34535098 T34535101 T34535101	Truss Name A01 A02 A03 A04 A05 A06 A07 A08 A09 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19 A20	Date 7/25/24	No. 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	Seal# T34535104 T34535106 T34535107 T34535109 T34535110 T34535110 T34535111 T34535112 T34535114 T34535115 T34535116 T34535116 T34535117 T34535118 T34535118	Truss Name C1A C3 C5 E01 E02 E2 E2A E03 E7 G01 G02 G03 H2 H3 H7 V18	Date 7/25/24 7/25/24 7/25/24 7/25/24 7/25/24 7/25/24 7/25/24 7/25/24 7/25/24 7/25/24 7/25/24 7/25/24 7/25/24 7/25/24 7/25/24 7/25/24
19 20 21 22	T34535100	A19					

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

Truss Design Engineer's Name: Velez, Joaquin

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

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.



July 25,2024

Job	Truss	Truss Type	Qty	Ply	1755-C- Frame
					T34535082
6241956	A01	Hip Girder	1	2	
					Job Reference (optional)
Tibbetts Lumber Co., LLC (C	Ocala, FL), Ocala, FL - 34	472,		3.730 s Jul	11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:42 2024 Page 1
		ID:	n\/57EIII	CILKOII	rAigDovHurn inaClifKeMlaEaC2ValllniVO1AKa, 2a2u6idn7duunvB

16-0-0

4-5-2

25-0-Ó

4-6-14

20-5-2

4-5-2

Scale = 1:58.6

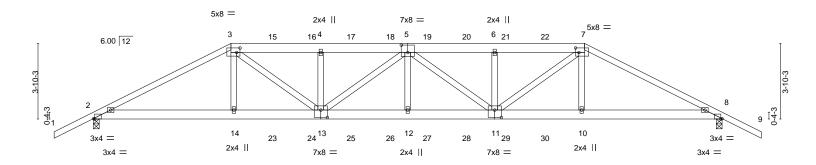
34-0-0

2-0-0

32-0-0 7-0-0

Structural wood sheathing directly applied or 5-1-9 oc purlins.

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



	7-0-0	11-6-14	16-0-0	20-5-2	25-0-0	32-0-0	
	7-0-0	4-6-14	4-5-2	4-5-2	4-6-14	7-0-0	<u> </u>
Plate Offsets (X,Y)	- [2:0-0-12,Edge], [3:0-2-0,	0-2-12], [5:0-4-0,0-4-8], [7:0-2-0,0-2-12], [8:	0-0-12,Edge], [11:0-4-0	,0-4-8], [13:0-4-0,0-4-8]	
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL . in	(loc) I/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.51	Vert(LL) -0.14	12 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.57	Vert(CT) -0.29	12 >999 240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.23	Horz(CT) 0.08	8 n/a n/a		
BCDL 10.0	Code FBC2023/T	PI2014	Matrix-S	Wind(LL) 0.09	12 >999 240	Weight: 398 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

-2-0-0 2-0-0

7-0-0

7-0-0

11-6-14

4-6-14

TOP CHORD 2x4 SP No.2 *Except* 3-5,5-7: 2x6 SP No.2

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

REACTIONS.

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

Max Horz 2=-73(LC 25)

Max Uplift 2=-150(LC 8), 8=-166(LC 8) Max Grav 2=2487(LC 1), 8=2533(LC 1)

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

TOP CHORD 2-3=-4761/162, 3-4=-5742/294, 4-5=-5740/293, 5-6=-5785/310, 6-7=-5788/310,

7-8=-4862/198

BOT CHORD 2-14=-51/4172, 13-14=-43/4190, 12-13=-221/6250, 11-12=-221/6250, 10-11=-75/4280,

8-10=-83/4262

 $3-14=0/629,\ 3-13=-164/2014,\ 4-13=-607/184,\ 5-13=-669/59,\ 5-12=0/392,\ 5-11=-602/38,$

6-11=-607/185, 7-11=-144/1949, 7-10=0/628

NOTES-

WEBS

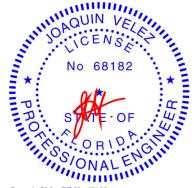
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 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; 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 150 lb uplift at joint 2 and 166 lb uplift at joint 8.



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

July 25,2024

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	1755-C- Frame
					T34535082
6241956	A01	Hip Girder	1	2	
					Job Reference (optional)

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

Ocala, FL - 34472,

8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:42 2024 Page 2 ID:nV5ZFUJaGJLKOl1jrAiSDcyHyrn-jnaGUfK6MlgFqC?XaUlpjYO1AKe_3g3u6jdp7dyurxB

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 142 lb down and 86 lb up at 7-0-0, 123 lb down and 83 lb up at 9-0-12, 123 lb down and 83 lb up at 11-0-12, 123 lb down and 83 lb up at 13-0-12, 123 lb down and 83 lb up at 15-0-12, 123 lb down and 83 lb up at 16-11-4, 123 lb down and 83 lb up at 18-11-4, 123 lb down and 83 lb up at 20-11-4, and 123 lb down and 83 lb up at 22-11-4, and 251 lb down and 170 lb up at 25-0-0 on top chord. and 311 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 16-11-4, 96 lb down at 18-11-4, 96 lb down at 18-11lb down at 20-11-4, and 96 lb down at 22-11-4, and 311 lb down at 24-11-4 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=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-60, 3-7=-60, 7-9=-60, 2-8=-20

Concentrated Loads (lb)

Vert: 3=-123(F) 7=-204(F) 14=-264(F) 10=-264(F) 15=-123(F) 16=-123(F) 17=-123(F) 18=-123(F) 19=-123(F) 20=-123(F) 21=-123(F) 22=-123(F) 23=-48(F) 24=-48(F) 25=-48(F) 26=-48(F) 27=-48(F) 28=-48(F) 29=-48(F) 30=-48(F)



	Job	Truss	Truss Type	Qty	Ply	1/55-C- Frame	
						T34535083	
	6241956	A02	HIP	1	1		
						Job Reference (optional)	
	Tibbetts Lumber Co., LLC (C	cala, FL), Ocala, FL - 34	472,	8	3.730 s Jul	11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:43 2024 Page 1	
ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-B 8fh?Lk73o6SMZj7CG2Glx9Xjz8o871LNNMf4yurxA					AiSDcyHyrn-B 8fh?Lk73o6SMZj7CG2Glx9Xjz8o871LNNMf4yurxA		

23-0-0

7-0-0

23-0-0

25-7-3

25-7-3

16-0-0

7-0-0

16-0-0

Scale = 1:58.6

34-0-0

2-0-0

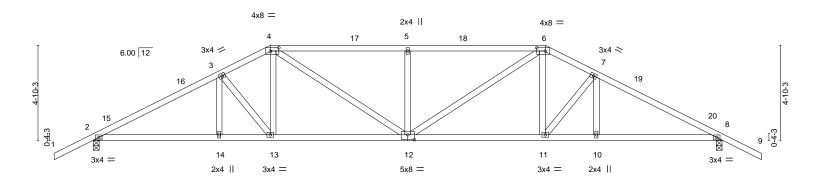
32-0-0

6-4-13

32-0-0

Structural wood sheathing directly applied or 2-10-10 oc purlins.

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



		0-4-12	3-0-0	10-0-0		25-0-0		23-1-3	32-0-0	
	1	6-4-12	2-7-3	7-0-0		7-0-0		2-7-3	6-4-13	
Plate Offsets	(X,Y)	[4:0-5-4,0-2-0], [6:0-5-4	,0-2-0], [12:0-4	4-0,0-3-0]						
LOADING (p	sf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defI	L/d	PLATES	GRIP
TCLL 2	0.0	Plate Grip DOL	1.25	TC 0.66	Vert(LL)	-0.14 12	>999	360	MT20	244/190
TCDL 1	0.0	Lumber DOL	1.25	BC 0.64	Vert(CT) -0.30 12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.18	Horz(C) 0.10 8	n/a	n/a		
BCDL 1	0.0	Code FBC2023/	TPI2014	Matrix-S	Wind(Ll	.) 0.08 12	>999	240	Weight: 168 lb	FT = 20%
					•	*				

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

-2-0-0 2-0-0

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

2x4 SP No.2 WFBS

REACTIONS. (size) 2=0-3-8, 8=0-3-8 Max Horz 2=-91(LC 10)

6-4-12

Max Uplift 2=-116(LC 12), 8=-116(LC 12) Max Grav 2=1397(LC 1), 8=1397(LC 1)

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

TOP CHORD 2-3=-2314/176, 3-4=-2026/194, 4-5=-2263/216, 5-6=-2263/216, 6-7=-2026/194,

7-8=-2314/176

BOT CHORD 2-14=-71/1978, 13-14=-71/1978, 12-13=-31/1781, 11-12=-39/1781, 10-11=-85/1978,

a_n_n

8-10=-85/1978

WEBS 3-13=-324/71, 4-13=-1/370, 4-12=-51/659, 5-12=-480/141, 6-12=-51/659, 6-11=-1/370,

7-11=-324/71

- 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, Zone2 9-0-0 to 13-2-15. Zone1 13-2-15 to 23-0-0, Zone2 23-0-0 to 27-2-15, Zone1 27-2-15 to 34-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) 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 116 lb uplift at joint 2 and 116 lb uplift at joint 8.



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

July 25,2024



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



		""			,			T34535084
6241956	A03	HIP		1	1			
						Job Reference (opti	ional)	
Tibbetts Lumber Co., LLC (0	Ocala, FL), Ocala	a, FL - 34472,					stries, Inc. Wed Jul 24 12:34:	
				ID:nV5ZFUJaG	JLKOI1jr/	AiSDcyHyrn-B_8fh?L	k73o6SMZj7CG2GlxC8jzQo6	s1LNNMf4yurxA
-2-0-0	6-4-12	11-0-0	16-0-0	21-0-0		25-7-4	32-0-0	34-0-0
2-0-0	6-4-12	4-7-4	5-0-0	5-0-0	-	4-7-4	6-4-12	2-0-0

Qtv

Plv

1755-C- Frame

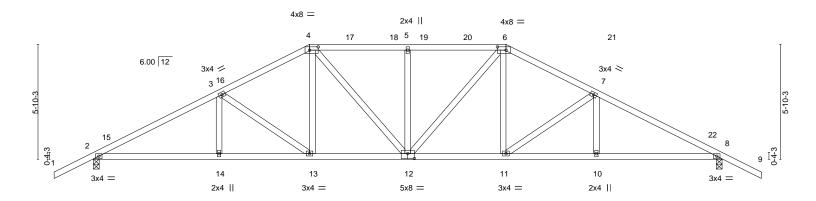
25-7-4

Scale = 1:58.6

32-0-0

Structural wood sheathing directly applied or 3-3-11 oc purlins.

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



		6-4-12	4-7-4	5-0-0	5-0-0	4-7-4	6-4-12	
Plate Offsets (X,Y) [4:	0-5-4,0-2-0], [6:0-5-4	,0-2-0], [12:0-4-0,0)-3-0]				
LOADING (ps		SPACING-	2-0-0	CSI.	DEFL. in (lo	c) I/defl L/d	PLATES G	RIP
VI	′				1 -	-,		
TCLL 20.	.0	Plate Grip DOL	1.25	TC 0.49	Vert(LL) -0.11	12 >999 360	MT20 2	44/190
TCDL 10.	.0	Lumber DOL	1.25	BC 0.62	Vert(CT) -0.23 12-1	13 >999 240		
BCLL 0.	.0 *	Rep Stress Incr	YES	WB 0.26	Horz(CT) 0.10	8 n/a n/a		
BCDL 10.	.0	Code FBC2023/	TPI2014	Matrix-S	Wind(LL) 0.07	12 >999 240	Weight: 175 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

21-0-0

16-0-0

LUMBER-

REACTIONS.

WEBS

Job

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

2x4 SP No.2

(size) 2=0-3-8, 8=0-3-8 Max Horz 2=107(LC 11)

6-4-12

Truss

Truss Type

11-0-0

Max Uplift 2=-116(LC 12), 8=-116(LC 12) Max Grav 2=1397(LC 1), 8=1397(LC 1)

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

TOP CHORD $2\text{-}3\text{--}2324/178,\ 3\text{-}4\text{--}1879/190,\ 4\text{-}5\text{--}1819/205,\ 5\text{-}6\text{--}1819/205,\ 6\text{-}7\text{--}1879/190,}$

7-8=-2324/178

BOT CHORD 2-14=-74/1989, 13-14=-74/1989, 12-13=-16/1624, 11-12=-24/1624, 10-11=-88/1989,

8-10=-88/1989

WEBS 3-13=-456/77, 4-13=0/375, 4-12=-32/392, 5-12=-338/101, 6-12=-32/392, 6-11=0/375,

7-11=-456/77

- 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 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 21-0-0, Zone2 21-0-0 to 25-2-15, Zone1 25-2-15 to 34-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) 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 116 lb uplift at joint 2 and 116 lb uplift at joint 8.



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

July 25,2024



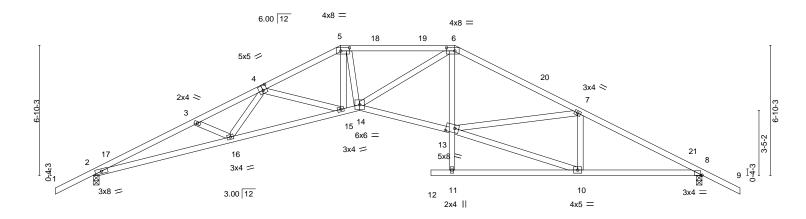
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Truss Truss Type Qty Ply 1755-C- Frame T34535085 HIP 6241956 A04 Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:44 2024 Page 1

ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-fAi1vLLMuMwz3V8vhvnHozUGf7leXWaBa16vCWyurx9 8-11-0 18-3-0 32-0-0 34-0-0 4-1-0 3-5-7 5-3-0 2-0-0

Scale = 1:60.6



	1	1-2-3	1	13-0-0	14-0-0	10-3-0 16	-υ-μ	23-7-3	1	32-0-0	1
		7-2-5		5-9-11	1-0-0 ^l	4-3-0 d-	·9-d	6-7-4		6-4-12	
Plate Of	fsets (X,Y)	[4:0-2-8,0-3-0], [5:0-5-8,0-	2-0], [6:0-5-4,	0-2-0], [8:0-0)-12,Edge], [13:0-5-8,0-2-12]					
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	-0.29 15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.60 15-16	>635	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.36 8	n/a	n/a		
BCDL	10.0	Code FBC2023/TF	PI2014	Matri	x-S	Wind(LL)	0.16 15-16	>999	240	Weight: 174 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

18-3-0

10_0_0

25-7-5

Structural wood sheathing directly applied.

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

1/1-0-0

LUMBER-

TOP CHORD 2x4 SP No 2

BOT CHORD 2x4 SP No.2 *Except*

2-14: 2x4 SP M 31 or 2x4 SP SS

7-2-5

WEBS 2x4 SP No.2

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

Max Horz 2=-124(LC 10)

Max Uplift 2=-110(LC 12), 8=-108(LC 12) Max Grav 2=1407(LC 1), 8=1410(LC 1)

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

TOP CHORD $2\text{-}3\text{=-}4284/245,\ 3\text{-}4\text{=-}4054/201,\ 4\text{-}5\text{=-}3292/169,\ 5\text{-}6\text{=-}3149/162,\ 6\text{-}7\text{=-}2611/173,}$

7-8=-2380/160

BOT CHORD $2\text{-}16\text{=-}152/3845,\ 15\text{-}16\text{=-}80/3552,\ 14\text{-}15\text{=-}0/2989,\ 13\text{-}14\text{=-}0/2342,\ 8\text{-}10\text{=-}75/2043}$ **WEBS**

4-16=0/379, 4-15=-566/109, 5-15=-15/416, 5-14=0/780, 6-14=0/1042, 10-13=-78/2132,

13-0-0

6-13=0/308, 7-13=0/343, 7-10=-516/116

- 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 13-0-0. Zone2 13-0-0 to 17-2-15. Zone1 17-2-15 to 19-0-0, Zone2 19-0-0 to 23-2-15, Zone1 23-2-15 to 34-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 2 and 108 lb uplift at joint 8.



32-0-0

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

July 25,2024



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

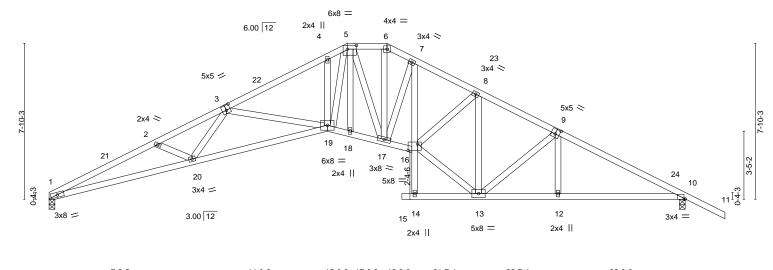


Job Truss Truss Type Qty Ply 1755-C- Frame T34535086 HIP 6241956 A05 Job Reference (optional) 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:45 2024 Page 1

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

ID:nV5ZFUJaGJLKOl1jrAiSDcyHyrn-7MGP6hM_fg2qhfj6FdlWLA0QEXflGzwKphsTkyyurx8 14-0-0 5-0-0 17-0-0 18-3-0 21-7-4 32-0-0 34-0-0 8-11-0 5-1-0 3-5-7 1-0-0 2-0-0 1-3-0 4-0-0 2-0-0

Scale = 1:58.0



1		7-2-5	14-0-0	15-0-0	17-0-0	18-3-0	21-7-4	ı 25-7-4	32-0-0	1
Г		7-2-5	6-9-11	1-0-0	2-0-0	1-3-0	3-4-4	4-0-0	6-4-12	٦
Plate Offse	ets (X,Y) [3:0-2-8,0-3-0], [5:0-5-	8,0-2-4], [9:0-2-8,0-3-0], [10:0-0-	12,Edge], [16:0-	5-12,0-3	3-12]		·	

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES	CSI. TC 0.90 BC 0.63 WB 0.48	DEFL. in (loc) l/defl L/d Vert(LL) -0.30 19-20 >999 360 Vert(CT) -0.64 19-20 >593 240 Horz(CT) 0.37 10 n/a n/a	PLATES GRIP MT20 244/190
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL) 0.16 19-20 >999 240	Weight: 198 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

10-0-0 oc bracing: 14-16

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

LUMBER-

TOP CHORD 2x4 SP No 2

2x4 SP No.2 *Except* BOT CHORD

1-19: 2x4 SP M 31 or 2x4 SP SS

WFBS 2x4 SP No.2

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

Max Horz 1=-137(LC 10)

Max Uplift 1=-49(LC 12), 10=-114(LC 12) Max Grav 1=1270(LC 1), 10=1409(LC 1)

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

TOP CHORD 1-2=-4358/283, 2-3=-4136/229, 3-4=-3170/175, 4-5=-3160/231, 5-6=-2094/177,

6-7=-2317/191, 7-8=-2604/188, 8-9=-1951/184, 9-10=-2345/158 BOT CHORD $1-20 = -197/3941, \ 19-20 = -104/3596, \ 18-19 = 0/2374, \ 17-18 = 0/2373, \ 16-17 = 0/2305, \ 18-19 = 0/2374, \ 17-18 = 0/2373, \ 16-17 = 0/2305, \ 18-19 = 0/2374, \ 17-18 = 0/2373, \ 18-19 = 0/2374, \ 18-19$

7-16=-22/583, 12-13=-71/2003, 10-12=-69/2006

WEBS $3-20=0/429,\ 3-19=-731/122,\ 4-19=-286/144,\ 5-17=-611/2,\ 6-17=-53/894,\ 7-17=-622/87,$

13-16=-37/2107, 8-16=0/783, 8-13=-995/26, 9-13=-421/56, 5-19=-108/1997

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 0-1-12 to 3-1-12, Zone1 3-1-12 to 15-0-0, Zone3 15-0-0 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 34-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) 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) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 1 and 114 lb uplift at joint 10.



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

July 25,2024



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

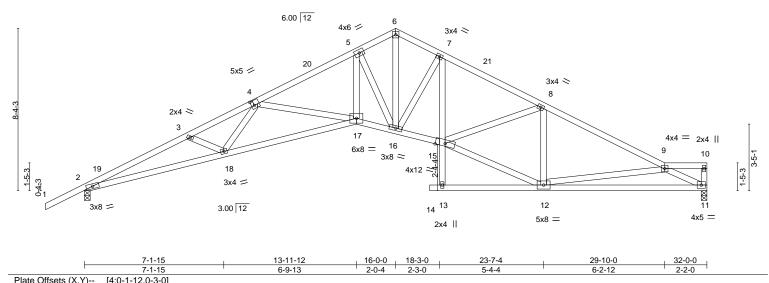


Job Truss Truss Type Qty Ply 1755-C- Frame T34535087 6241956 A06 Roof Special Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:45 2024 Page 1

ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-7MGP6hM_fg2qhfj6FdIWLA0UKXcxGxTKphsTkyyurx8 8-10-11 13-11-12 16-0-0 18-3-0 23-7-4 29-10-0 32-0-0 2-0-4 2-2-0 3-5-8 5-1-1 2-3-0 5-4-4 6-2-12

4x4 =

Scale = 1:59.2



1 1010 011	0010 (71,17	[=,0 0 0]			
LOADIN	G (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC 0.64	Vert(LL) -0.31 17-18 >999 360	MT20 244/190
TCDL	10.0	Lumber DOL 1.25	BC 0.81	Vert(CT) -0.66 17-18 >576 240	
BCLL	0.0 *	Rep Stress Incr YES	WB 0.63	Horz(CT) 0.37 11 n/a n/a	
BCDL	10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL) 0.18 17-18 >999 240	Weight: 191 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No 2

2x4 SP No.2 *Except* BOT CHORD

2-17: 2x4 SP M 31 or 2x4 SP SS

WFBS 2x4 SP No.2

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

Max Horz 2=135(LC 11)

Max Uplift 11=-49(LC 12), 2=-114(LC 12) Max Grav 11=1271(LC 1), 2=1407(LC 1)

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

TOP CHORD 2-3=-4293/334, 3-4=-4067/295, 4-5=-3165/268, 5-6=-2251/248, 6-7=-2250/245,

7-8=-2560/242. 8-9=-2201/180

BOT CHORD 2-18=-319/3856, 17-18=-266/3561, 16-17=-142/2853, 15-16=-99/2282, 7-15=0/327,

11-12=-228/2117

4-18=0/422, 4-17=-704/113, 5-17=-65/1762, 5-16=-1775/184, 6-16=-197/1868, 7-16=-478/110, 12-15=-126/2056, 8-15=0/346, 8-12=-666/129, 9-11=-2350/298

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=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 16-0-0, Zone2 16-0-0 to 20-2-15, Zone1 20-2-15 to 31-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 11 and 114 lb uplift at joint 2.



Structural wood sheathing directly applied or 2-2-10 oc purlins,

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

except end verticals.

10-0-0 oc bracing: 13-15

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

July 25,2024



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 1755-C- Frame T34535088 6241956 A07 Roof Special Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:46 2024 Page 1 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-bZqnK1NdQ_AhJpIlpKqluOZf4xyB?KST1Lb0GOyurx7

18-3-0

2-3-0

23-7-4

5-4-4

27-10-0

4-2-12

16-0-0

2-0-4

13-11-12

5-1-1

CSI.

TC

вс

WB

Matrix-S

0.64

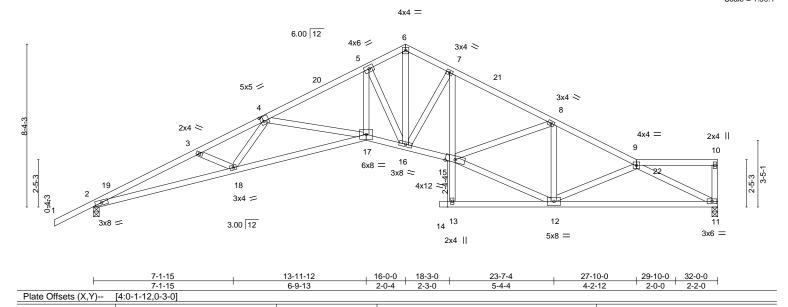
0.81

0.84

Scale = 1:59.1

32-0-0

4-2-0



DEFL.

Vert(LL)

Vert(CT)

Horz(CT)

Wind(LL)

BRACING-

TOP CHORD

BOT CHORD

in (loc)

0.37

-0.31 17-18

-0.66 17-18

0.19 17-18

I/defI

>999

>576

>999

except end verticals.

10-0-0 oc bracing: 13-15

n/a

L/d

360

240

n/a

240

PLATES

Weight: 193 lb

MT20

Structural wood sheathing directly applied or 2-2-10 oc purlins,

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

GRIP

244/190

FT = 20%

LUMBER-

LOADING (psf)

TCLL

TCDL

BCLL

BCDL

TOP CHORD 2x4 SP No.2

2x4 SP No.2 *Except* BOT CHORD

2-17: 2x4 SP M 31 or 2x4 SP SS

SPACING-

Plate Grip DOL

Rep Stress Incr

Code FBC2023/TPI2014

Lumber DOL

WEBS 2x4 SP No.2

20.0

10.0

0.0

10.0

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

Max Horz 2=127(LC 11)

Max Uplift 11=-50(LC 12), 2=-113(LC 12) Max Grav 11=1271(LC 1), 2=1407(LC 1)

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

TOP CHORD 2-3=-4293/358, 3-4=-4067/319, 4-5=-3165/294, 5-6=-2252/264, 6-7=-2254/261,

7-8=-2558/256, 8-9=-2151/181

BOT CHORD 2-18=-366/3856, 17-18=-315/3561, 16-17=-191/2853, 15-16=-140/2287, 7-15=0/310, 11-12=-213/2062

2-0-0

1.25

1.25

YES

8-10-11

3-5-8

4-18=0/422, 4-17=-704/112, 5-17=-88/1762, 5-16=-1777/205, 6-16=-215/1880, 7-16=-489/109, 12-15=-144/2034, 8-15=-3/360, 8-12=-609/118, 9-11=-2273/248

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=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 16-0-0, Zone2 16-0-0 to 20-2-15, Zone1 20-2-15 to 31-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 11 and 113 lb uplift at joint 2.



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

July 25,2024



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 1755-C- Frame T34535089 6241956 A08 Roof Special Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:46 2024 Page 1 ID:nV5ZFUJaGJLKOl1jrAiSDcyHyrn-bZqnK1NdQ_AhJpIlpKqluOZg7xwh?OnT1Lb0GOyurx7

19-0-2

3-0-2

22-10-2

3-10-0

22-10-2

3-10-0

except end verticals.

1 Row at midpt

25-10-0

2-11-14

25-10-0

2-11-14

Structural wood sheathing directly applied or 2-2-13 oc purlins,

9-11

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

6-2-0

32-0-0

6-2-0

16-0-0

2-0-4

13-11-12

5-1-1

6-9-13

Scale = 1:59.1

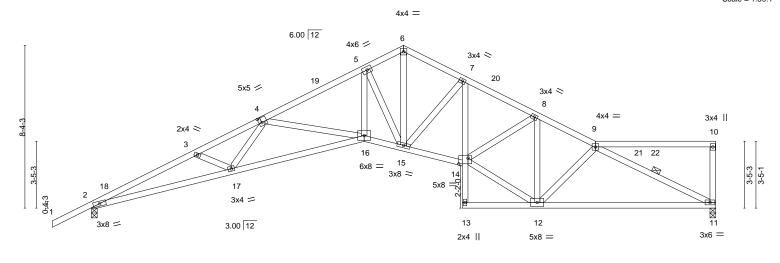


Plate Of	fsets (X,Y)	<u>[4:0-1-12,0-3-0], [14:0-5-</u>	12,0-3-8]									
LOADIN	IG (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL	20.ó	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.31 16-17	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.66 16-17	>576	240			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.38 11	n/a	n/a			
BCDL	10.0	Code FBC2023/T	PI2014	Matri	x-S	Wind(LL)	0.19 16-17	>999	240	Weight: 192 lb	FT = 20%	

16-0-0

2-0-4

19-0-2

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-TOP CHORD

REACTIONS.

2x4 SP No 2

2x4 SP No.2 *Except* BOT CHORD

2-16: 2x4 SP M 31 or 2x4 SP SS

WEBS 2x4 SP No.2

(size) 11=0-3-8, 2=0-3-8 Max Horz 2=119(LC 11)

Max Uplift 11=-57(LC 12), 2=-114(LC 12)

7-1-15

Max Grav 11=1264(LC 1), 2=1401(LC 1)

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

TOP CHORD $2 - 3 = -4271/387, \ 3 - 4 = -4044/349, \ 4 - 5 = -3141/326, \ 5 - 6 = -2232/283, \ 6 - 7 = -2241/276, \ 5 - 6 = -2232/283, \ 6 - 7 = -2241/276, \ 7 - 100/2000 \ 1$

7-8=-2652/284. 8-9=-2052/183

BOT CHORD 2-17=-418/3836, 16-17=-369/3539, 15-16=-246/2831, 14-15=-196/2381, 7-14=0/392, 11-12=-200/1966

8-10-11

3-5-8

WEBS 4-17=0/424, 4-16=-704/111, 5-16=-116/1752, 5-15=-1764/227, 6-15=-215/1825, 7-15=-561/107, 12-14=-154/2100, 8-14=-60/624, 8-12=-786/125, 9-12=-252/90,

9-11=-2154/225

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 16-0-0, Zone2 16-0-0 to 20-2-15, Zone1 20-2-15 to 31-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 57 lb uplift at joint 11 and 114 lb uplift at joint 2.



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

July 25,2024



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 1755-C- Frame T34535090 6241956 A09 Roof Special Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:47 2024 Page 1

ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-4IO9XNOFBHIYwztUM2L_Qb6qqLJ1knPdG?LZpryurx6 8-10-11 16-0-0 21-0-2 23-10-0 27-11-0 32-0-0 13-11-12 4-1-0 3-5-8 5-1-1 2-0-4 5-0-2 2-9-14 4-1-0

Scale = 1:59.1

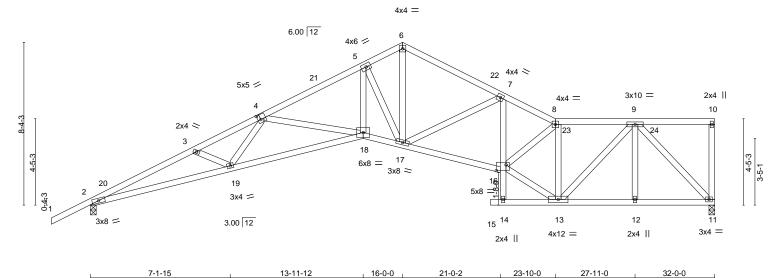


Plate Offsets (X,Y)	[4:0-1-12,0-3-0], [16:0-6-0,0-3-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.64	Vert(LL) -0.31 18-19	>999 360	MT20 244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.71	Vert(CT) -0.66 18-19	>575 240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.86	Horz(CT) 0.38 11	n/a n/a	
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL) 0.19 18-19	>999 240	Weight: 196 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

2-0-4

5-0-2

2-9-14

except end verticals.

10-0-0 oc bracing: 14-16

4-1-0

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

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

4-1-0

LUMBER-

TOP CHORD 2x4 SP No 2

2x4 SP No.2 *Except* BOT CHORD

2-18: 2x4 SP M 31 or 2x4 SP SS

WEBS 2x4 SP No.2

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

Max Horz 2=134(LC 12)

Max Uplift 11=-54(LC 12), 2=-109(LC 12) Max Grav 11=1272(LC 1), 2=1406(LC 1)

7-1-15

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

TOP CHORD 2-3=-4289/389, 3-4=-4062/351, 4-5=-3159/329, 5-6=-2250/275, 6-7=-2298/262,

7-8=-2815/260. 8-9=-1826/154

BOT CHORD 2-19=-446/3852, 18-19=-397/3557, 17-18=-276/2844, 16-17=-233/2594, 7-16=0/302,

12-13=-100/1093, 11-12=-100/1093

WEBS 4-19=0/424, 4-18=-704/112, 5-18=-139/1751, 5-17=-1746/240, 6-17=-181/1779, 7-17=-627/95, 13-16=-178/2196, 8-16=-75/797, 8-13=-1918/198, 9-13=-78/1063,

9-11=-1572/142

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 16-0-0, Zone2 16-0-0 to 20-2-15, Zone1 20-2-15 to 31-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

6-9-13

- 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 11 and 109 lb uplift at joint 2.



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

July 25,2024



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





2-0-4

4x4 =

13-11-12

5-1-1

8-10-11

3-5-8

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

8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:48 2024 Page 1 ID:nV5ZFUJaGJLKOl1jrAiSDcyHyrn-YxyXljOtybQPY7ShwlsDzpe1jkclTJ3mVf47LHyurx5 16-0-0 21-1Ó-0 26-0-0

Structural wood sheathing directly applied or 2-7-0 oc purlins,

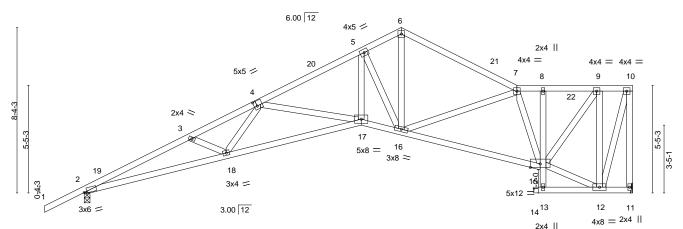
Rigid ceiling directly applied or 6-0-0 oc bracing. Except:

except end verticals.

10-0-0 oc bracing: 13-15

23-0-2 1-2-2 27-8-0 1-8-0 2-11-15 5-10-0

Scale = 1:58.1



	7-1-15	13-11-12	16-0-0	23-0-2	26-0-0	27-8-0	
	7-1-15	6-9-13	2-0-4	7-0-2	2-11-15	1-8-0	
[:	2:0-1-11.0-0-10]. [4:0-1-12.0-3-0]						

BRACING-

TOP CHORD

BOT CHORD

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	-0.24 17-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.52 17-18	>630	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.31 1	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2	2014	Matri	x-S	Wind(LL)	0.15 17-18	>999	240	Weight: 179 lb	FT = 20%

LUMBER-

REACTIONS.

Plate Offsets (X,Y)--

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

BOT CHORD 2x4 SP No.2 WFBS

(size) 11=Mechanical, 2=0-3-8

Max Horz 2=158(LC 12)

Max Uplift 11=-52(LC 12), 2=-98(LC 12) Max Grav 11=1098(LC 1), 2=1230(LC 1)

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

2-3=-3592/349, 3-4=-3361/310, 4-5=-2409/286, 5-6=-1650/229, 6-7=-1705/213, TOP CHORD

7-8=-1034/100, 8-9=-1021/102, 9-10=-304/36, 10-11=-1060/136

BOT CHORD 2-18=-434/3219, 17-18=-385/2884, 16-17=-265/2151, 15-16=-170/1432 **WEBS** 4-18=0/447, 4-17=-715/113, 5-17=-146/1411, 5-16=-1436/240, 6-16=-122/1204,

7-15=-1072/183, 12-15=-17/308, 9-15=-114/1231, 9-12=-1112/163, 10-12=-123/1046

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 16-0-0, Zone2 16-0-0 to 20-2-15, Zone1 20-2-15 to 27-6-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 52 lb uplift at joint 11 and 98 lb uplift at joint 2.



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

July 25,2024



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2-0-0

4x4 =

14-0-0

5-1-0

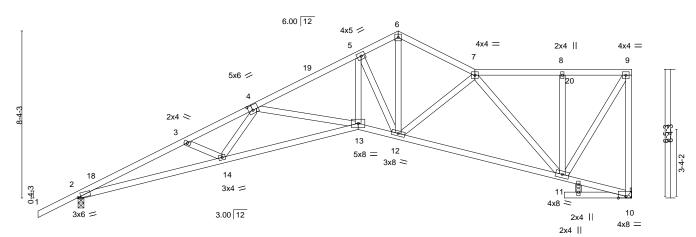
3-5-7

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

8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:48 2024 Page 1 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-YxyXljOtybQPY7ShwlsDzpe0qkcITCSmVf47LHyurx5 16-0-0 19-10-0 24-2-7

3-10-0

Scale = 1:57.6



	7-2-5	14-0-0	16-0-0	19-10-0	24-2-7	25-0-2 27-8-0
	7-2-5	6-9-11	2-0-0	3-10-0	4-4-7	0-9-11 2-7-14
Plate Offsets (X,Y)	[2:0-1-11,0-0-10], [4:0-2-8,0-3-0], [10:0)-4-8,Edge]				

LOADING (psf) TCLL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.25	CSI. TC 0.63	DEFL. in (loc) I/defl L/d Vert(LL) -0.24 13-14 >999 360	PLATES GRIP MT20 244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.90	Vert(CT) -0.52 13-14 >634 240	
BCLL 0.0 *	Rep Stress Incr YES	WB 1.00	Horz(CT) 0.31 10 n/a n/a	
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL) 0.16 13-14 >999 240	Weight: 171 lb FT = 20%

LUMBER-TOP CHORD

WFBS

2x4 SP No 2 2x4 SP No 2

BOT CHORD 2x4 SP No.2 BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-6-14 oc purlins,

except end verticals.

BOT CHORD Rigid ceiling directly applied or 8-6-10 oc bracing.

REACTIONS.

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

Max Horz 2=181(LC 12)

Max Uplift 2=-94(LC 12), 10=-61(LC 12) Max Grav 2=1229(LC 1), 10=1090(LC 1)

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

TOP CHORD 2-3=-3586/357, 3-4=-3352/318, 4-5=-2399/295, 5-6=-1653/230, 6-7=-1668/218,

9-10=-1081/147. 7-8=-639/67. 8-9=-638/67

BOT CHORD $2\text{-}14\text{=-}467/3213,\ 13\text{-}14\text{=-}417/2873,\ 12\text{-}13\text{=-}301/2141,\ 11\text{-}12\text{=-}202/1503}$ 4-14=0/450, 4-13=-715/112, 5-13=-168/1398, 5-12=-1452/270, 6-12=-152/1285, **WEBS**

8-11=-269/96, 9-11=-123/1191, 7-11=-1251/190

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 16-0-0, Zone3 16-0-0 to 19-10-0, Zone1 19-10-0 to 27-6-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 2 and 61 lb uplift at joint 10.



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

July 25,2024



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 1755-C- Frame T34535093 6241956 **ROOF SPECIAL** A12 Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:49 2024 Page 1 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-08Vwy3PVjvYFAH1tUTNSV0BAG8yYCm_wjJqgtjyurx4 8-10-11 13-11-12 16-0-0 17-10-0 20-2-0 27-8-0 3-5-8 5-1-1 2-0-4 1-10-0 7-6-0 Scale = 1:55.1 4x4 = 6.00 12 4x4 = 6 2x4 II 4x4 = 4x5 / 8 9 5 16 5x5 / 3-4-3 2x4 > 7-5-3 M 3 13 12 5x8 = 3x8 = 3-5-1 4x8 = 3x4 =3.00 12 10 3x6 =2x4 ||

Plate Offsets (X,Y) [2:0-1-11.0-0-10], [4:0-1-12.0-3-0]		
7-1-15 ' 6-9-13 ' 2-0-4 ' 1-10-0 ' 2-4-0 ' 5-6-9 ' 1-11-8	3 '	

16-0-0 17-10-0 20-2-0

except end verticals.

1 Row at midpt

25-8-8

Structural wood sheathing directly applied or 2-7-1 oc purlins,

9-10

Rigid ceiling directly applied or 8-3-13 oc bracing.

27-8-0

13-11-12

TCLL 20.0 Plate Grip DOL 1.25 TC 0.65 Vert(LL) -0.24 13-14 360 MT20 244/190 TCDL Vert(CT) 10.0 Lumber DOL 1.25 BC 0.89 -0.51 13-14 >638 240 WB Horz(CT) **BCLL** 0.0 Rep Stress Incr YES 0.54 0.30 10 n/a n/a BCDL 10.0 Code FBC2023/TPI2014 Matrix-S Wind(LL) 0.16 13-14 >999 240 Weight: 169 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

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

BOT CHORD WFBS 2x4 SP No.2

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

Max Horz 2=205(LC 12)

Max Uplift 10=-67(LC 12), 2=-89(LC 12) Max Grav 10=1090(LC 1), 2=1229(LC 1)

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

7-1-15

2-3=-3586/358, 3-4=-3353/319, 4-5=-2405/295, 5-6=-1629/238, 6-7=-1590/230, TOP CHORD

7-8=-1181/146, 8-9=-1181/147, 9-10=-1026/190

BOT CHORD 2-14=-493/3213, 13-14=-443/2880, 12-13=-318/2159, 11-12=-205/1497 **WEBS** 4-14=0/445, 4-13=-713/112, 5-13=-147/1450, 5-12=-1503/256, 6-12=-174/1277,

8-11=-453/145, 7-11=-655/105, 9-11=-177/1429

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 16-0-0, Zone3 16-0-0 to 17-10-0, Zone1 17-10-0 to 27-6-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 10 and 89 lb uplift at joint 2.



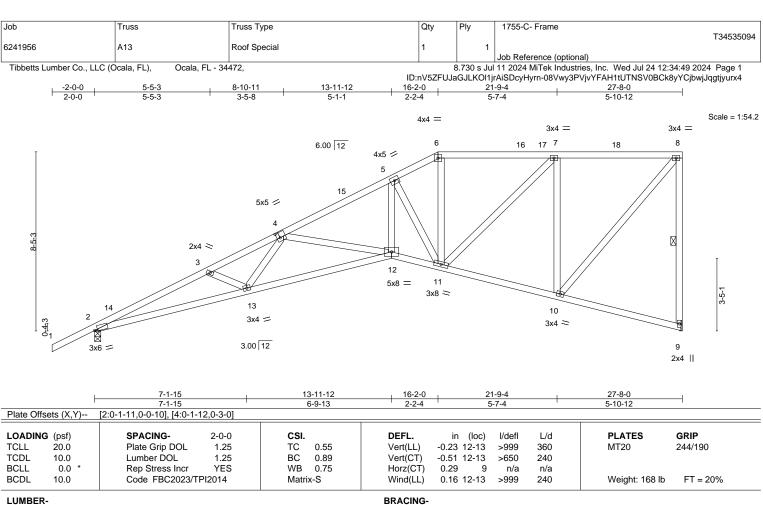
MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

July 25,2024



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

WEBS

LUMBER-TOP CHORD

2x4 SP No 2 BOT CHORD 2x4 SP No 2

WFBS 2x4 SP No 2

REACTIONS. (size) 9=Mechanical, 2=0-3-8

Max Horz 2=229(LC 12)

Max Uplift 9=-74(LC 12), 2=-82(LC 12) Max Grav 9=1090(LC 1), 2=1229(LC 1)

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

2-3=-3586/353, 3-4=-3353/314, 4-5=-2405/291, 5-6=-1557/213, 6-7=-1373/200, TOP CHORD

7-8=-783/102. 8-9=-1041/187

BOT CHORD 2-13=-514/3213, 12-13=-464/2876, 11-12=-344/2157, 10-11=-114/819 4-13=0/446, 4-12=-704/110, 5-12=-167/1441, 5-11=-1499/272, 6-11=-44/490, **WEBS**

7-11=-136/821, 7-10=-968/221, 8-10=-154/1186

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 16-2-0, Zone2 16-2-0 to 20-4-15, Zone1 20-4-15 to 27-6-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) 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) Refer to girder(s) for truss to truss connections.
- 7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 9 and 82 lb uplift at ioint 2.



Structural wood sheathing directly applied or 2-7-1 oc purlins,

Rigid ceiling directly applied or 8-1-12 oc bracing.

except end verticals.

1 Row at midpt

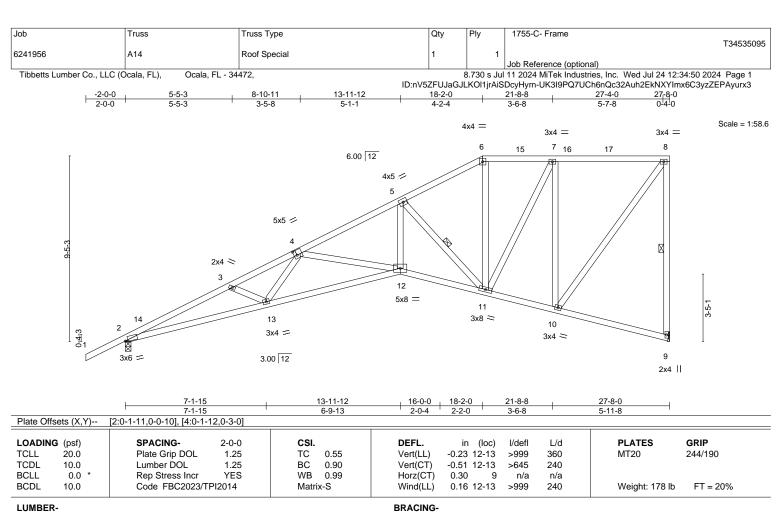
Joaquin Velez PE No.68182 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

July 25,2024



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TOP CHORD

BOT CHORD

WEBS

LUMBER-

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

WFBS 2x4 SP No.2

REACTIONS. (size) 2=0-3-8, 9=Mechanical

Max Horz 2=253(LC 12)

Max Uplift 2=-74(LC 12), 9=-82(LC 12) Max Grav 2=1229(LC 1), 9=1090(LC 1)

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

2-3=-3587/331, 3-4=-3351/289, 4-5=-2413/273, 5-6=-1160/142, 6-7=-985/152, TOP CHORD

7-8=-664/95, 8-9=-1040/200

BOT CHORD 2-13=-520/3214, 12-13=-462/2875, 11-12=-359/2175, 10-11=-105/691 4-13=0/446, 4-12=-689/96, 5-12=-153/1467, 5-11=-1652/280, 6-11=0/308, **WEBS**

7-11=-123/695, 7-10=-950/218, 8-10=-159/1106

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 18-2-0, Zone2 18-2-0 to 22-4-15, Zone1 22-4-15 to 27-6-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) 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) Refer to girder(s) for truss to truss connections.
- 7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 2 and 82 lb uplift at ioint 9.



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

5-11, 8-9

Rigid ceiling directly applied or 8-1-5 oc bracing.

except end verticals.

1 Row at midpt

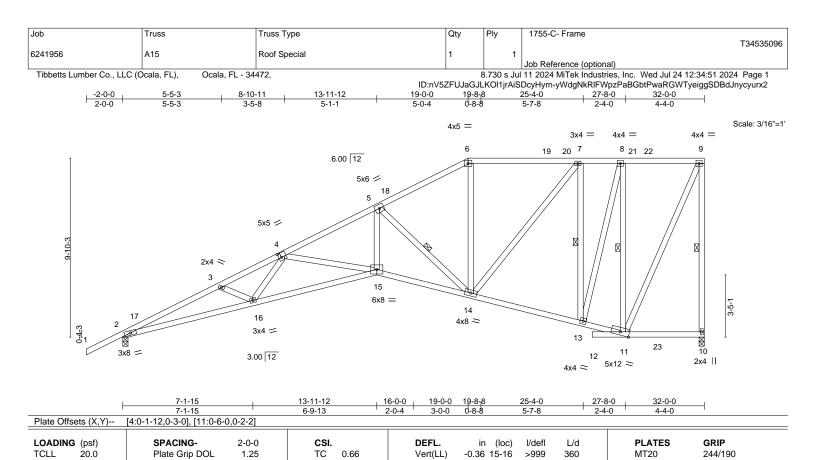
Joaquin Velez PE No.68182 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

July 25,2024



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Vert(CT)

Horz(CT)

Wind(LL)

BRACING-

TOP CHORD

BOT CHORD

WEBS

-0.70 15-16

0.20 15-16

10

0.38

>545

>999

except end verticals.

1 Row at midpt

n/a

240

n/a

240

Rigid ceiling directly applied or 8-9-6 oc bracing.

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

LUMBER-

TCDL

BCLL

BCDL

TOP CHORD 2x4 SP No.2

10.0

0.0

10.0

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

2-15: 2x4 SP M 31 or 2x4 SP SS

WFBS 2x4 SP No.2

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

Max Horz 2=263(LC 12)

Max Uplift 2=-80(LC 12), 10=-70(LC 12) Max Grav 2=1549(LC 17), 10=1477(LC 17)

Lumber DOL

Rep Stress Incr

Code FBC2023/TPI2014

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

TOP CHORD 2-3=-4848/386, 3-4=-4656/344, 4-5=-3576/333, 5-6=-1727/161, 6-7=-1508/176,

7-8=-878/86, 8-9=-588/56, 9-10=-1386/181

BOT CHORD $2 - 16 = -581/4441, \ 15 - 16 = -523/4078, \ 14 - 15 = -429/3290, \ 13 - 14 = -97/933, \ 11 - 13 = -59/623$ WEBS

1.25

YES

4-16=0/469, 4-15=-773/90, 5-15=-183/2118, 5-14=-2307/319, 6-14=0/459,

7-14=-143/998, 7-13=-1018/200, 8-13=-135/1146, 8-11=-1259/189, 9-11=-134/1411

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 31-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

вс

WB

Matrix-S

0.85

0.54

- 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 2 and 70 lb uplift at ioint 10.



Weight: 229 lb

5-14, 7-13, 8-11, 9-10

FT = 20%

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

July 25,2024



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 1755-C- Frame T34535097 6241956 A16 Roof Special Job Reference (optional)

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

8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:51 2024 Page 1 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-yWdgNkRIFWpzPaBGbtPwaRGWPyjZgaMDBdJnycyurx2

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

9-12, 10-11

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

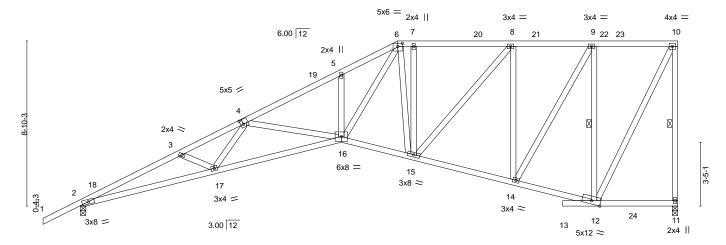
except end verticals.

1 Row at midpt

8-10-6 oc bracing: 2-17 9-3-4 oc bracing: 16-17.

8-10-11 13-11-12 17-0-0 17-8-8 0-8-8 23-4-0 27-8-0 32-0-0 3-5-8 5-1-1 3-0-4 4-4-0 4-4-0

Scale = 1:61.7



i	7-1-15	13-11-12	17-8-8	23-4-0	27-8-0	32-0-0
Г	7-1-15	6-9-13	3-8-12	5-7-8	4-4-0	4-4-0
Plate Offsets (X,Y)	[4:0-1-12,0-3-0], [6:0-3-0,0-2-0], [12:0-6-0,0-2-2]				

LOADING (psf) TCLL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.25	CSI. TC 0.67	DEFL. in (loc) I/defl L/d Vert(LL) -0.35 16-17 >999 360	PLATES GRIP MT20 244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.54	Vert(CT) -0.68 16-17 >562 240	101120 244/190
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code FBC2023/TPI2014	WB 0.93 Matrix-S	Horz(CT) 0.35 11 n/a n/a Wind(LL) 0.19 16-17 >999 240	Weight: 223 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-TOP CHORD 2x4 SP No 2

BOT CHORD 2x4 SP No.2 *Except*

2-16: 2x4 SP M 31 or 2x4 SP SS

WEBS 2x4 SP No.2

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

Max Horz 2=239(LC 12)

Max Uplift 2=-87(LC 12), 11=-64(LC 12) Max Grav 2=1545(LC 17), 11=1467(LC 17)

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

TOP CHORD 2-3=-4827/401, 3-4=-4639/362, 4-5=-3546/346, 5-6=-3551/420, 6-7=-1863/209,

7-8=-1863/209, 8-9=-1238/117, 9-10=-655/57, 10-11=-1378/169

BOT CHORD 2-17=-569/4415, 16-17=-519/4055, 15-16=-236/2001, 14-15=-128/1299, 12-14=-64/698 **WEBS** 4-17=0/464, 4-16=-794/103, 5-16=-274/141, 6-16=-332/2382, 6-15=-465/104,

7-15=-308/135, 8-15=-140/949, 8-14=-960/185, 9-14=-123/1159, 9-12=-1229/199,

10-12=-124/1436

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 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 31-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 2 and 64 lb uplift at joint 11.



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

July 25,2024



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Scale = 1:58.0

4-10-0

4-6-8

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

6-14, 8-11, 9-10

Rigid ceiling directly applied or 2-2-0 oc bracing. Except:

except end verticals.

1 Row at midpt

10-0-0 oc bracing: 12-14

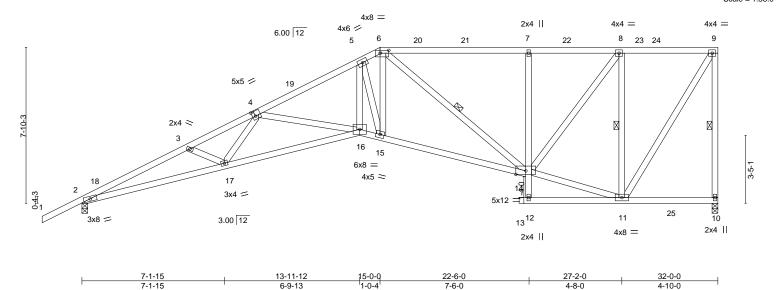


Plate Of	fsets (X,Y)	[4:0-1-12,0-3-0], [6:0-5-4,	0-1-12]								
LOADIN	IG (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.37 16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.71 16-17	>535	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.38 10	n/a	n/a		
BCDL	10.0	Code FBC2023/T	PI2014	Matri	x-S	Wind(LL)	0.20 16-17	>999	240	Weight: 211 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 SP No 2

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

2-16: 2x4 SP M 31 or 2x4 SP SS

WFBS 2x4 SP No.2

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

Max Horz 2=215(LC 12)

Max Uplift 2=-95(LC 12), 10=-70(LC 12) Max Grav 2=1537(LC 17), 10=1421(LC 17)

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

TOP CHORD 2-3=-4787/362, 3-4=-4600/324, 4-5=-3492/299, 5-6=-2838/260, 6-7=-1544/126,

3-5-8

5-1-1

7-8=-1524/123, 8-9=-762/57, 9-10=-1325/134

BOT CHORD 2-17=-497/4373, 16-17=-448/4011, 15-16=-331/3146, 14-15=-256/2731, 7-14=-406/120 WEBS 4-17=0/467, 4-16=-810/114, 5-16=-198/1900, 5-15=-1817/268, 6-15=-150/1905, $6-14 = -1399/148,\ 11-14 = -42/767,\ 8-14 = -112/1265,\ 8-11 = -1236/169,\ 9-11 = -106/1431$

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 31-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 95 lb uplift at joint 2 and 70 lb uplift at ioint 10.



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

July 25,2024



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 1755-C- Frame T34535099 6241956 A18 Hip Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:52 2024 Page 1 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-QiB2a4SN0qxq1klS9bw97fpi8M1qP0TMQH2KU2yurx1

17-9-0

4-9-0

22-6-0

4-9-0

4-9-0

26-8-13

4-2-13

24-7-8

2-1-8

except end verticals.

1 Row at midpt

10-0-0 oc bracing: 12-14

26-8-13

2-1-5

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

9-10

Rigid ceiling directly applied or 9-5-7 oc bracing. Except:

Scale = 1:58.0

. 32-0-0

5-3-3

32-0-0

5-3-3

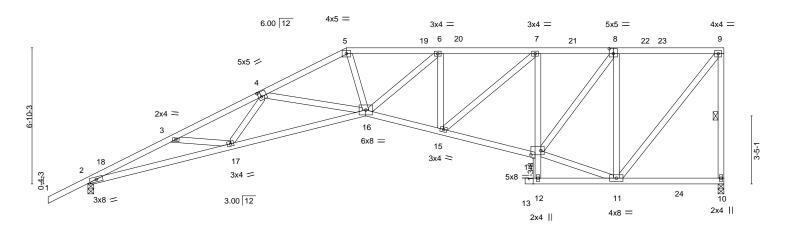


Plate Off	sets (X,Y)	[4:0-1-12,0-3-0], [8:0-2-8	,0-3-0], [14:0-6	6-0,0-2-8]							
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.36 16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	ВС	0.67	Vert(CT)	-0.68 16-17	>557	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.37 10	n/a	n/a		
BCDL	10.0	Code FBC2023/T	PI2014	Matri	<-S	Wind(LL)	0.19 16-17	>999	240	Weight: 200 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

3-9-4

LUMBER-

TOP CHORD 2x4 SP No 2

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

2-16: 2x4 SP M 31 or 2x4 SP SS

7-2-0

7-2-0

WEBS 2x4 SP No.2

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

Max Horz 2=191(LC 12)

Max Uplift 2=-100(LC 12), 10=-64(LC 12) Max Grav 2=1533(LC 17), 10=1418(LC 17)

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

TOP CHORD 2-3=-4742/385, 3-4=-4555/306, 4-5=-3499/293, 5-6=-3505/300, 6-7=-2729/215,

8-10-12

4-5-12

13-0-0

13-11-12

6-9-12

7-8=-1792/126, 8-9=-967/67, 9-10=-1309/129

BOT CHORD 2-17=-499/4322, 16-17=-424/3990, 15-16=-228/2828, 14-15=-136/1869, 7-14=-970/136 **WEBS** 4-17=0/413, 4-16=-775/119, 5-16=-57/1395, 6-16=-110/1007, 6-15=-896/156,

7-15=-115/1199, 11-14=-61/993, 8-14=-98/1353, 8-11=-1336/170, 9-11=-105/1526

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 31-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 2 and 64 lb uplift at ioint 10.



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

July 25,2024

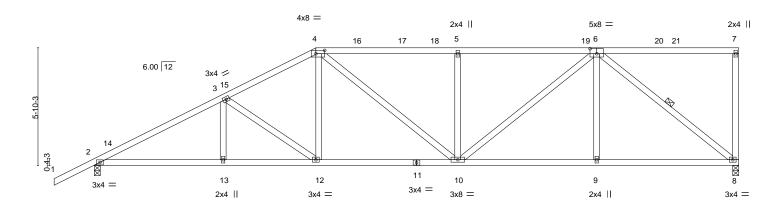


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job	Truss	Truss Type		Qty	Ply	1755-C- Frame		
							T34	535100
6241956	A19	Hip		1	1			
						Job Reference (opti	onal)	
Tibbetts Lumber Co., LLC (Ocala, FL), Ocala	ı, FL - 34472,		3	3.730 s Jul	11 2024 MiTek Indu	stries, Inc. Wed Jul 24 12:34:53 2024 Pag	ge 1
			ID:n\	/5ZFUJaG	JLKOI1jrA	iSDcyHyrn-uvlQoQS	60m73heuKejISOgsMs6lOb8ZBVexou0Uyu	irx0
-2-0-0	6-4-12	11-0-0	18-0-9	1	24	-11-7	32-0-0	
2-0-0	6-4-12	4-7-4	7-0-9	1	6-1	10-13	7-0-9	

Scale = 1:57.2



<u> </u>	6-4-12 6-4-12	11-0-0 4-7-4		3-0-9 '-0-9	24-11-7 6-10-13	-	32-0-0 7-0-9	
Plate Offsets (X,Y)	[4:0-5-4,0-2-0], [6:0-4-0,	0-3-0]						
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2023/	2-0-0 1.25 1.25 YES TPI2014	CSI. TC 0.66 BC 0.63 WB 0.59 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in (loc) l/defl -0.10 10-12 >999 -0.24 10-12 >999 0.08 8 n/a 0.06 10-12 >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 182 lb	GRIP 244/190 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

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

WEBS 2x4 SP No.2

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

Max Horz 2=168(LC 12)

Max Uplift 8=-64(LC 12), 2=-107(LC 12) Max Grav 8=1264(LC 1), 2=1401(LC 1)

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

TOP CHORD 2-3=-2329/141, 3-4=-1898/151, 4-5=-1830/149, 5-6=-1830/149

BOT CHORD 2-13=-223/1993. 12-13=-223/1993. 10-12=-158/1646. 9-10=-97/1290. 8-9=-97/1290 WFBS $3-12=-431/78,\ 4-12=0/416,\ 5-10=-440/128,\ 6-10=-70/693,\ 6-9=0/297,\ 6-8=-1629/123$

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 31-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) 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 64 lb uplift at joint 8 and 107 lb uplift at



Structural wood sheathing directly applied or 3-1-13 oc purlins,

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

except end verticals.

1 Row at midpt

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

July 25,2024

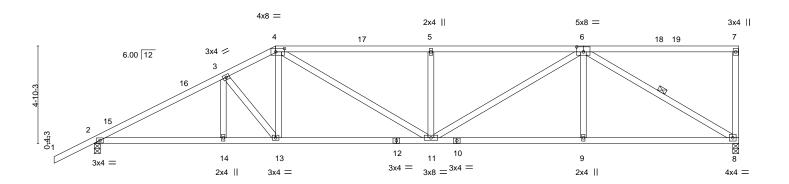


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job	Truss	Truss Type	Qty	Ply	1755-C- Frame		
						•	T34535101
6241956	A20	Half Hip	1	1			
					Job Reference (opti	onal)	
Tibbetts Lumber Co., LLC (C	Ocala, FL), Ocala, FL - 34	1472,		3.730 s Jul	11 2024 MiTek Indu	stries, Inc. Wed Jul 24 12:34:53 2024	Page 1
		ID:r	V5ZFUJaG	JLKOI1jrAi	SDcyHyrn-uvlQoQS(0m73heuKejISOgsMnwlMQ8YXVexou0)Uyurx0
2-0-0	6-4-13 9-0-	0 16-8-9		24-3-7		32-0-0	-
2-0-0	6-4-13 2-7-	4 7-8-9		7-6-13		7-8-9	

Scale = 1:57.2



		6-4-13	9-0-0	16-8-9	1	24-3-7	1	32-0-0	
		6-4-13	2-7-4	7-8-9	1	7-6-13		7-8-9	
Plate Offsets	s (X,Y)	[4:0-5-4,0-2-0], [6:0-4-0,0)-3-0]						
LOADING ((psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) I/defl	L/d	PLATES (GRIP
TCLL 2	20.0	Plate Grip DOL	1.25	TC 0.99	Vert(LL)	-0.13 11 >999	360	MT20 2	244/190
TCDL 1	10.0	Lumber DOL	1.25	BC 0.71	Vert(CT)	-0.31 11-13 >999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.69	Horz(CT)	0.09 8 n/a	n/a		
BCDL 1	10.0	Code FBC2023/T	PI2014	Matrix-S	Wind(LL)	0.08 11 >999	240	Weight: 173 lb	FT = 20%

BRACING-

WFBS

TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.2

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

Max Horz 2=144(LC 12)

Max Uplift 8=-61(LC 12), 2=-110(LC 12) Max Grav 8=1264(LC 1), 2=1401(LC 1)

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

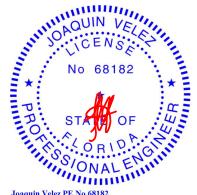
TOP CHORD 2-3=-2321/150, 3-4=-2041/166, 4-5=-2277/171, 5-6=-2277/171

BOT CHORD 2-14=-205/1984, 13-14=-205/1984, 11-13=-159/1801, 9-11=-118/1687, 8-9=-118/1687 WFBS 3-13=-304/71, 4-13=0/389, 4-11=-25/553, 5-11=-482/139, 6-11=-67/688, 6-9=0/324,

6-8=-1929/134

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 31-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 61 lb uplift at joint 8 and 110 lb uplift at joint 2.



Structural wood sheathing directly applied, except end verticals.

6-8

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

1 Row at midpt

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

July 25,2024



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	1755-C- Frame
					T34535102
6241956	A21	Half Hip Girder	1	2	
					Job Reference (optional)
Tibbetts Lumber Co., LLC (C	Ocala, FL), Ocala, FL - 34	472,		3.730 s Jul	11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:54 2024 Page 1
		ID:n'	V5ZFUJaG	JLKOI1irA	iSDcvHvrn-M5Jp?mTeXRBYG2vaH0zdC4u4e9kkt2hftbXRYxvurx?

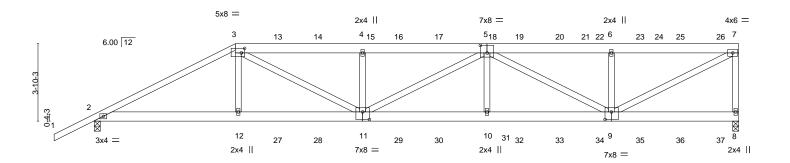
19-6-0

25-8-2

Scale = 1:57.2

32-0-0

6-3-14



	7-0-0	13-3-14	19-6-0	25-8-2	32-0-0
	7-0-0	6-3-14	6-2-2	6-2-2	6-3-14
Plate Offsets (2	X,Y) [3:0-2-0,0-2-12], [5:0-4-0,0)-4-8], [9:0-3-12,0-4-8], [11:0-4-	0,0-4-8]		
LOADING (ps	f) SPACING-	2-0-0 CSI .	DEFL. in	(loc) I/defl L/d	PLATES GRIP
TCLL 20.	0 Plate Grip DOL	1.25 TC 0.4	8 Vert(LL) -0.15	10-11 >999 360	MT20 244/190
TCDL 10.	0 Lumber DOL	1.25 BC 0.5	7 Vert(CT) -0.31	10-11 >999 240	
BCLL 0.	0 * Rep Stress Incr	NO WB 0.5	61 Horz(CT) 0.07	8 n/a n/a	
BCDL 10.	0 Code FBC2023/TP	12014 Matrix-S	Wind(LL) 0.10	10-11 >999 240	Weight: 418 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

-2-0-0 2-0-0

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=119(LC 8)

7-0-0

7-0-0

13-3-14

6-3-14

Max Uplift 8=-183(LC 8), 2=-161(LC 8) Max Grav 8=2649(LC 1), 2=2468(LC 1)

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

TOP CHORD 2-3=-4738/182, 3-4=-6071/369, 4-5=-6068/368, 5-6=-3987/269, 6-7=-3987/269,

7-8=-2504/251

BOT CHORD $2\text{-}12\text{=-}188/4152,\ 11\text{-}12\text{=-}179/4172,\ 10\text{-}11\text{=-}385/5934,\ 9\text{-}10\text{=-}385/5934}$

WEBS 3-12=0/698, 3-11=-214/2239, 4-11=-850/263, 5-10=0/529, 5-9=-2221/133, 6-9=-815/272,

7-9=-301/4479

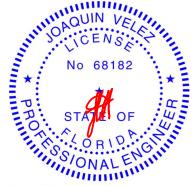
NOTES-

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; 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 183 lb uplift at joint 8 and 161 lb uplift at joint 2.



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

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

except end verticals.

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

July 25,2024





Job	Truss	Truss Type	Qty	Ply	1755-C- Frame
					T34535102
6241956	A21	Half Hip Girder	1	2	
					Job Reference (optional)

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

Ocala, FL - 34472,

8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:55 2024 Page 2 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-rHtBD6UGIJPuCU1qjUslHRFNZ4zcVxo6FH?5Nyurx_

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 142 lb down and 86 lb up at 7-0-0, 123 lb down and 83 lb up at 9-0-12, 123 lb down and 83 lb up at 11-0-12, 123 lb down and 83 lb up at 13-0-12, 123 lb down and 83 lb up at 15-0-12, 123 lb down and 83 lb up at 17-0-12, 123 lb down and 83 lb up at 19-0-12, 123 lb down and 83 lb up at 21-0-12, 123 lb down and 83 lb up at 23-0-12, 123 lb down and 83 lb up at 25-0-12, 123 lb down and 83 up at 27-0-12, and 123 lb down and 83 lb up at 29-0-12, and 130 lb down and 81 lb up at 31-0-12 on top chord, and 311 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 13-0-12, 96 lb down at 15-0-12, 96 lb down at 13-0-12, 96 lb down at 23-0-12, 96 lb down at 25-0-12, 96 lb down at 27-0-12, and 96 lb down at 29-0-12, and 100 lb down at 31-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

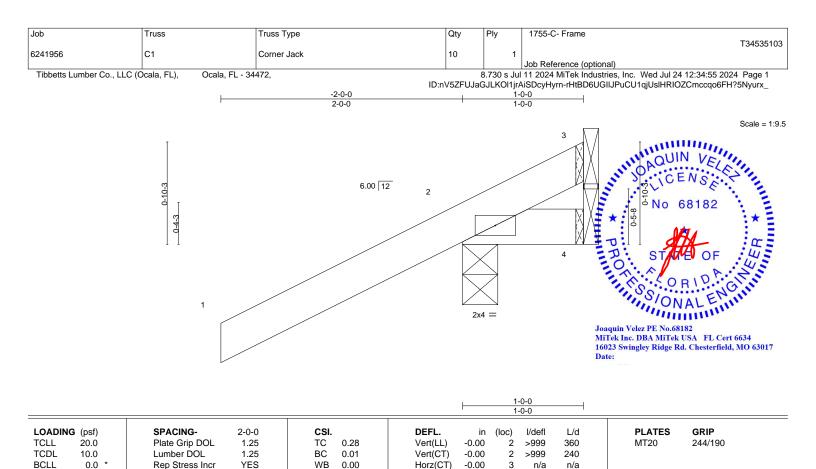
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-60, 3-7=-60, 2-8=-20

Concentrated Loads (lb)

Vert: 3=-123(B) 12=-264(B) 11=-48(B) 13=-123(B) 14=-123(B) 15=-123(B) 16=-123(B) 17=-123(B) 18=-123(B) 19=-123(B) 20=-123(B) 22=-123(B) 23=-123(B) 25=-123(B) 26=-130(B) 27=-48(B) 28=-48(B) 29=-48(B) 30=-48(B) 31=-48(B) 32=-48(B) 33=-48(B) 35=-48(B) 35=-





LUMBER-

BCDL

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

10.0

Wind(LL) BRACING- 0.00

2

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

Weight: 7 lb

FT = 20%

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

240

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

Max Horz 2=48(LC 12)

Max Uplift 3=-100(LC 1), 2=-133(LC 12) Max Grav 3=67(LC 12), 2=289(LC 1), 4=19(LC 3)

Code FBC2023/TPI2014

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

1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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.
- 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 3 and 133 lb uplift at ioint 2.



Job Truss Truss Type Qty Ply 1755-C- Frame T34535104 2 6241956 C1A Corner Jack Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:55 2024 Page 1 ID:nV5ZFUJaGJLKOl1jrAiSDcyHyrn-rHtBD6UGIIJPuCU1qjUslHRIsZBzccqo6FH?5Nyurx_ -2-0-0 2-0-0 1-0-0 Scale = 1:9.5 6.00 12 0-10-3 2 0-9-7 2x4 =PROVIDE ANCHORAGE, DESIGNED BY OTHERS, AT BEARINGS TO RESIST MAX. VERTICAL AND MAX HORZ, REACTIONS SPECIFIED BELOW. 1-0-0 1-0-0 LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defI L/d **PLATES** GRIP **TCLL** 20.0 Plate Grip DOL 1.25 TC 0.32 Vert(LL) -0.00 n/r 120 MT20 244/190 TCDL Lumber DOL 1.25 вс 0.12 Vert(CT) -0.00 n/r 120 WB 0.00 **BCLL** 0.0 Rep Stress Incr YES Horz(CT) 0.00 n/a

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

BCDL

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

10.0

REACTIONS. (size) 3=Mechanical, 4=Mechanical Max Horz 3=522(LC 1), 4=-522(LC 1)

Max Uplift 3=-77(LC 12) Max Grav 3=199(LC 1)

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

Code FBC2023/TPI2014

TOP CHORD 2-3=-633/551 **BOT CHORD** 2-4=-522/713

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 exposed; porch left 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 77 lb uplift at joint 3.



n/a

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

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

Weight: 7 lb

FT = 20%

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

July 25,2024







Job Truss Truss Type Qty Ply 1755-C- Frame T34535105 6241956 СЗ 6 Corner Jack Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:56 2024 Page 1 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-JUQZQSVu32RGWM3DOR?5HV_SSzXmL24yKv0Ycpyurwz -2-0-0 2-0-0 Scale = 1:14.6 6.00 12 -5-8 0-4-3 3-0-0 3-0-0

LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2	2014	Matri	x-P	Wind(LL)	0.00	2	****	240	Weight: 13 lb	FT = 20%

BRACING-

LUMBER-

REACTIONS.

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

TOP CHORD BOT CHORD

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

Max Horz 2=71(LC 12)

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

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

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

- 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 ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 3 and 85 lb uplift at joint 2.



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

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

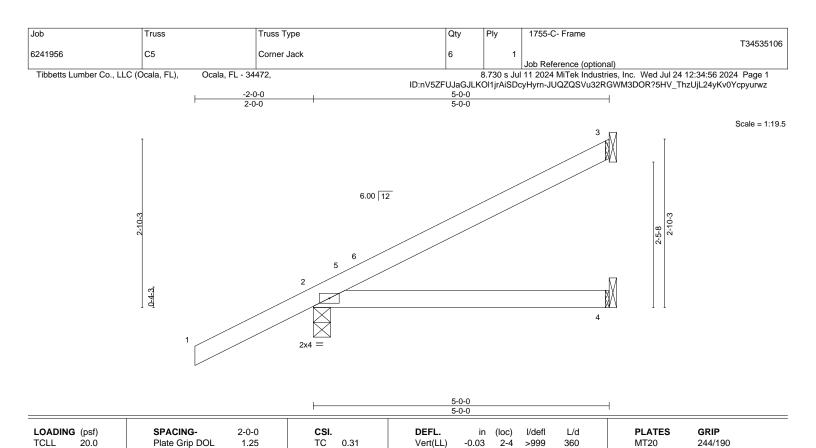
MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

July 25,2024



🔼 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

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

0.0

10.0

Wind(LL) BRACING-

Vert(CT)

Horz(CT)

-0.06

-0.00

0.00

>909

n/a

3

240

n/a

240

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.

Weight: 19 lb

FT = 20%

REACTIONS.

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

Code FBC2023/TPI2014

Max Horz 2=95(LC 12)

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

Lumber DOL

Rep Stress Incr

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.

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 ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

вс

WB

Matrix-P

0.28

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.

1.25

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.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 3 and 70 lb uplift at ioint 2.



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

July 25,2024



🔼 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 1755-C- Frame T34535107 6241956 E01 **GABLE** Job Reference (optional) 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:57 2024 Page 1

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

ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-ng_xdoVWqMZ77VePy8WKqiWYUNnd4J35ZYm58Gyurwy

Structural wood sheathing directly applied or 5-6-9 oc purlins.

7-8, 9-17, 8-10

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

1 Row at midpt

1 Brace at Jt(s): 6, 4

Scale = 1:72.7

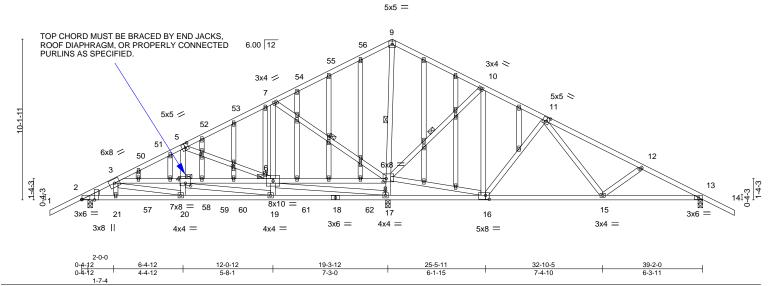


Plate Offsets (X,Y)--[2:0-0-4,Edge], [2:0-0-4,Edge], [4:0-4-0,0-2-0], [5:0-2-8,0-3-0], [6:0-2-0,0-0-13], [8:0-2-4,0-2-8], [11:0-2-4,0-3-0], [16:0-2-12,0-3-0], [32:0-1-12,0-1-0], [35:0-1-12,0-1-0]

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.06 15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	ВС	0.50	Vert(CT)	-0.13 15-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.02 13	n/a	n/a		
BCDL	10.0	Code FBC2023/TP	12014	Matri	x-S	Wind(LL)	0.03 17-19	>999	240	Weight: 355 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

JOINTS

LUMBER-

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

2-0-0 2-0-0

WEDGE Left: 2x4 SP No.2

REACTIONS. (size) 2=0-3-8, 17=0-3-8, 13=0-3-8

Max Horz 2=-178(LC 6)

Max Uplift 2=-187(LC 8) 17=-153(LC 8) 13=-145(LC 34) Max Grav 2=709(LC 19), 17=2025(LC 1), 13=732(LC 27)

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

TOP CHORD 2-3=-931/210, 3-5=-592/91, 5-7=-148/267, 7-9=-4/760, 9-10=0/711, 11-12=-784/153, 12-13=-1008/169

2-21=-268/773, 20-21=-261/750, 19-20=-133/514, 17-19=-93/282, 16-17=-279/87,

BOT CHORD 15-16=-44/398, 13-15=-82/852

5-6=-434/91, 6-7=-9/375, 7-8=-674/137, 8-17=-1858/195, 8-9=-936/64, 8-10=-709/88, 10-16=0/474, 11-16=-460/82, 11-15=0/441, 12-15=-289/97, 6-19=0/295, 6-17=-299/61,

8-16=-44/367

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); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 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 187 lb uplift at joint 2, 153 lb uplift at ioint 17 and 145 lb uplift at joint 13.
- 11) 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 Date:

July 25,2024

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	1755-C- Frame
					T34535107
6241956	E01	GABLE	1	1	
					Job Reference (optional)

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

Ocala, FL - 34472,

8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:57 2024 Page 2 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-ng_xdoVWqMZ77VePy8WKqiWYUNnd4J35ZYm58Gyurwy

NOTES-

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 113 lb down and 185 lb up at 2-3-9, 43 lb down and 64 lb up at 4-0-12, 43 lb down and 64 lb up at 6-0-12, 43 lb down and 64 lb up at 8-0-12, 43 lb down and 64 lb up at 10-0-12, 43 lb down and 64 lb up at 12-0-12, 43 lb down and 64 lb up 64 lb up at 14-0-12, and 43 lb down and 64 lb up at 16-0-12, and 43 lb down and 64 lb up at 18-0-12 on top chord, and 165 lb down and 120 lb up at 2-0-0, 17 lb up at 4-0-12, 17 lb up at 6-0-12, 17 lb up at 8-0-12, 17 lb up at 10-0-12, 17 lb up at 12-0-12, 17 lb up at 14-0-12, and 17 lb up at 16-0-12, and 17 lb up at 18-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-60, 3-9=-60, 9-14=-60, 2-13=-20

Concentrated Loads (lb)

Vert: 7=21(F) 3=55(F) 21=-165(F) 50=21(F) 51=21(F) 52=21(F) 53=21(F) 54=21(F) 55=21(F) 56=21(F)



300	11033	11033 19	pc	Qty	ı ıy	1733-0-1	Tarric			
									T34535108	
6241956	E02	Commor	l	2	1					
						Job Refere	nce (optional)			
Tibbetts Lumber Co.,	, LLC (Ocala, FL),	Ocala, FL - 34472,			8.730 s Ju	l 11 2024 Mi	Tek Industries, Inc. Wed	Jul 24 12:34:58	2024 Page 1	_
	. , , , , , , , , , , , , , , , , , , ,			ID:nV5ZFUJ	aGJLKOI1j	jrAiSDcyHyrr	n-FsYJr8W8bgh_lfDcWr12	Nw3i2m7QpstI	EoCVfgiyurwx	
-2-0-0	6-4-12	12-0-11	19-7-0	25-5-11	1	29-2-0	35-2-15	39-2-0	41-2-0	
2-0-0	6-4-12	5-7-15	7-6-5	5-10-11		3-8-5	6-0-15	3-11-1	2-0-0	

Qty

25-5-11

BRACING-

TOP CHORD

BOT CHORD

WFBS

1755-C- Frame

32-10-5

Structural wood sheathing directly applied or 5-11-9 oc purlins.

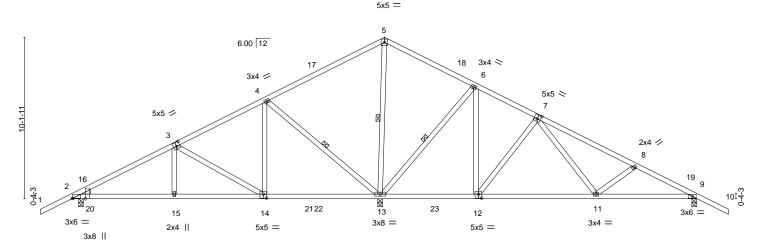
4-13, 5-13, 6-13

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

1 Row at midpt

Scale = 1:72.3

30-2-0



0 T 2	0 - 12	12011	10 0 12	20011	02 10 0	00 2 0	
0-4-12	6-0-0	5-7-15	7-3-1	6-1-15	7-4-10	6-3-11	7
Plate Offsets (X,Y)	[2:0-0-4,Edge], [2:0	0-0-4,Edge], [3:0-2-8,0-3	3-0], [7:0-2-8,0-3-0], [12:0-2	-8,0-3-0], [14:0-2-8,0-3-0]			

10-3-12

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.08 1	3-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	ВС	0.46	Vert(CT)	-0.14 1	1-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TF	PI2014	Matri	ix-S	Wind(LL)	0.07 1	3-14	>999	240	Weight: 227 lb	FT = 20%

LUMBER-

Job

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

0-4-12

WEDGE

Left: 2x4 SP No.2

REACTIONS.

(size) 2=0-3-8, 13=0-3-8, 9=0-3-8

Max Horz 2=-178(LC 10)

6-4-12

Truss

Truss Type

Max Uplift 2=-223(LC 12), 13=-303(LC 12), 9=-60(LC 12) Max Grav 2=674(LC 23), 13=2370(LC 2), 9=717(LC 18)

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

TOP CHORD $2\text{-}3\text{-}754/274,\ 3\text{-}4\text{-}260/197,\ 4\text{-}5\text{-}-32/802,\ 5\text{-}6\text{-}-23/759,\ 7\text{-}8\text{-}-743/0,\ 8\text{-}9\text{-}-948/0}$

12-0-11

BOT CHORD 2-15=-164/593, 14-15=-163/589, 11-12=-51/331, 9-11=0/800

WEBS 3-14=-524/186, 4-14=-154/531, 4-13=-866/327, 5-13=-957/142, 6-13=-881/102,

6-12=0/676, 7-12=-511/88, 7-11=0/521, 8-11=-286/116

- 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 19-7-0, Zone2 19-7-0 to 23-9-15, Zone1 23-9-15 to 41-2-0 zone; cantilever 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) 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 223 lb uplift at joint 2, 303 lb uplift at joint 13 and 60 lb uplift at joint 9.



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

July 25,2024



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 1755-C- Frame T34535109 6241956 E2 9 Jack-Open Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:59 2024 Page 1 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-j36i2UXmMzprNpoo3ZYov7c_OAaDYPpO1sFCD8yurww -2-0-0 2-0-0

2-0-0

6.00 12 0-11-8 2 0-4-3

2-0-0

LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TF	PI2014	Matri	x-P	Wind(LL)	0.00	2	****	240	Weight: 10 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

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

Max Horz 2=60(LC 12)

Max Uplift 3=-6(LC 9), 2=-92(LC 12)

Max Grav 3=17(LC 12), 2=263(LC 1), 4=39(LC 3)

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

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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 1-11-14 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 3 and 92 lb uplift at joint 2.



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

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

Scale: 1"=1'

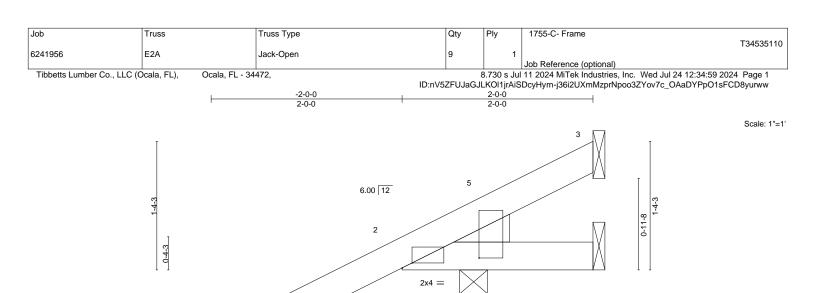
MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

July 25,2024



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





0-7-4	2-0-0
0-7-4	1-4-12

3x6 ||

Plate Off	Plate Offsets (X,Y) [2:0-1-4,Edgej, [2:0-1-4,0-9-11]											
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	ВС	0.04	Vert(CT)	-0.00	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TF	PI2014	Matri	x-P	Wind(LL)	0.00	2	>999	240	Weight: 11 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

Left: 2x4 SP No.2

REACTIONS.

(size) 3=Mechanical, 4=Mechanical, 2=0-3-8 Max Horz 2=60(LC 12)

Max Uplift 3=-6(LC 9), 4=-5(LC 8), 2=-109(LC 12) Max Grav 3=17(LC 12), 4=39(LC 3), 2=263(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 1-11-13 zone; cantilever left exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 3, 5 lb uplift at joint 4 and 109 lb uplift at joint 2.



Structural wood sheathing directly applied or 2-0-0 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 Date:

July 25,2024





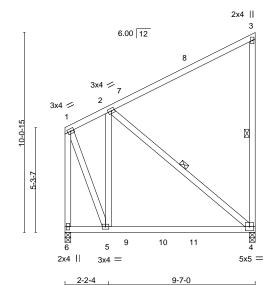


Job	Truss	Truss Type	Qty	Ply	1755-C- Frame
					T34535111
6241956	E03	Monopitch	2	1	
					Job Reference (optional)

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

8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:34:58 2024 Page 1 ID:nV5ZFUJaGJLKOl1jrAiSDcyHyrn-FsYJr8W8bgh_lfDcWr1ZNw3kbm7lpw_EoCVfgiyurwx 9-7-0 7-4-12

Scale = 1:58.1



LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.10	4-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.18	4-5	>626	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TF	PI2014	Matri	x-S	Wind(LL)	0.07	4-5	>999	240	Weight: 81 lb	FT = 20%

7-4-12

BRACING-

TOP CHORD

BOT CHORD

WFBS

LUMBER-

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

2x4 SP No.2 WFBS

REACTIONS. (size) 4=0-3-8, 6=0-3-8

Max Horz 6=111(LC 12)

Max Uplift 4=-184(LC 12), 6=-8(LC 12) Max Grav 4=410(LC 2), 6=421(LC 2)

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

TOP CHORD 1-6=-482/101

WEBS 2-5=-258/26, 2-4=-233/311, 1-5=-117/499

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 9-5-4 zone; cantilever left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 184 lb uplift at joint 4 and 8 lb uplift at joint 6.



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

3-4. 2-4

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

except end verticals.

1 Row at midpt

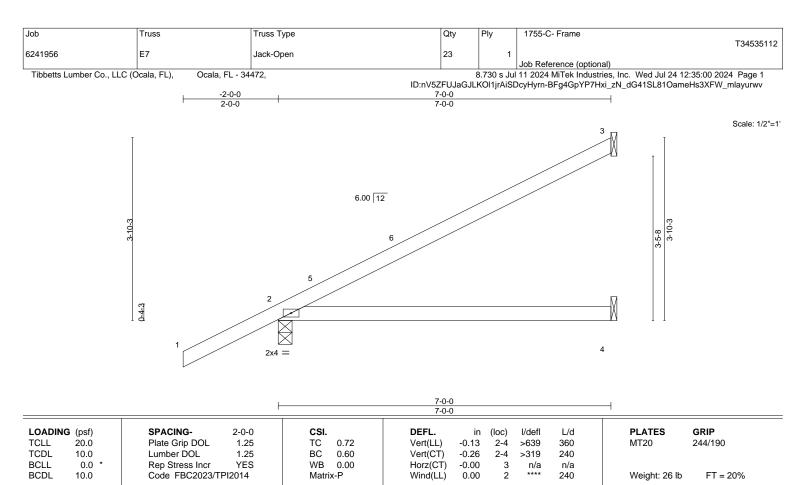
MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

July 25,2024



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

Max Horz 2=119(LC 12)

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

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

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

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 6-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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 62 lb uplift at joint 3 and 63 lb uplift at joint 2.



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July 25,2024



🗥 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 1755-C- Frame T34535113 G01 **GABLE** 6241956 Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:35:01 2024 Page 1 ID:nV5ZFUJaGJLKOl1jrAiSDcyHyrn-fREST9Z1ub3Yc7xBB_bG_Yhlx_Ay0lehUAkJH1yurwu

13-11-2

3-11-2

3-11-2

18-0-0

4-0-14

Structural wood sheathing directly applied or 5-5-2 oc purlins.

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

6-0-0 oc bracing: 11-13.

1 Brace at Jt(s): 4, 6, 8

10-0-0

3-11-2

Scale = 1:39.7

22-0-0

2-0-0

20-0-0

2-0-0

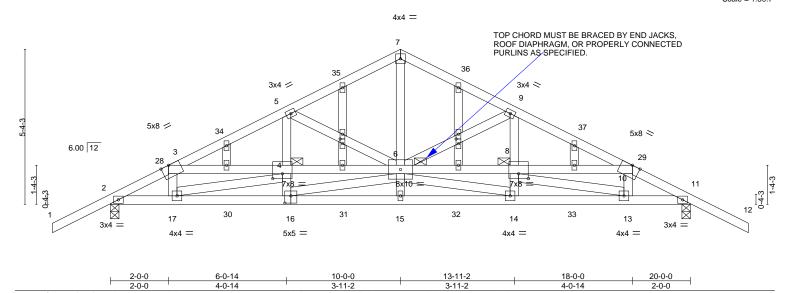


Plate Offsets (X,Y)	Plate Offsets (x,Y) [3:0-3-8,Edge], [4:0-4-0,0-2-0], [8:0-4-0,0-2-0], [10:0-2-8,0-0-0], [16:0-1-15,0-1-0], [25:0-1-15,0-1-0]									
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP						
TCLL 20.0	Plate Grip DOL 1.25	TC 0.35	Vert(LL) -0.04 15 >999 360	MT20 244/190						
TCDL 10.0	Lumber DOL 1.25	BC 0.34	Vert(CT) -0.06 14-15 >999 240							
BCLL 0.0 *	Rep Stress Incr NO	WB 0.11	Horz(CT) 0.02 11 n/a n/a							
BCDL 10.0	Code FBC2023/TPI2014	Matrix-S	Wind(LL) -0.03 15 >999 240	Weight: 154 lb FT = 20%						

BRACING-

TOP CHORD

BOT CHORD

JOINTS

3-11-2

LUMBER-

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

2x4 SP No.2 WERS **OTHERS** 2x4 SP No.2

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

Max Horz 2=99(LC 7)

2-0-0

Max Uplift 2=-137(LC 8), 11=-137(LC 8) Max Grav 2=744(LC 1), 11=744(LC 1)

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

TOP CHORD 2-3=-1115/44, 3-4=-305/274, 8-10=-303/293, 10-11=-1112/45, 3-5=-1035/20,

5-7=-775/34, 7-9=-775/34, 9-10=-1036/20

BOT CHORD 2-17=-14/992, 16-17=0/800, 15-16=0/520, 14-15=0/520, 13-14=0/804, 11-13=-58/964 WEBS 4-17=-184/342, 6-16=0/292, 6-14=0/294, 8-13=-227/338, 6-7=0/474, 5-6=-277/44,

6-0-14

4-0-14

6-9=-270/44

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; 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) All plates are 2x4 MT20 unless otherwise indicated.
- 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 137 lb uplift at joint 2 and 137 lb uplift at joint 11.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 140 lb down and 295 lb up at 2-0-0, 43 lb down and 64 lb up at 2-3-15, 43 lb down and 64 lb up at 4-0-12, 43 lb down and 64 lb up at 6-0-12, 43 lb down and 64 lb up at 8-0-12, 43 lb down and 64 lb up at 10-0-0, 43 lb down and 64 lb up at 11-11-4, 43 lb down and 64 lb up at 13-11-4, 43 lb down and 64 lb up at 15-11-4, and 43 lb down and 64 lb up at 17-8-1, and 140 lb down and 295 lb up at 18-0-0 on top chord, and 16 lb down at 2-0-0, 8 lb down at 4-0-12, 8 lb down at 6-0-12, 8 lb down at 8-0-12, 8 lb down at 10-0-0, 8 lb down at 11-11-4, 8 lb down at 13-11-4, and 8 lb down at 15-11-4, and 16 lb down at 17-11-4 on bottom chord. The design/selection of



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

July 25,2024

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	1755-C- Frame
					T34535113
6241956	G01	GABLE	1	1	
			l	1	Job Reference (optional)

Ocala, FL - 34472,

8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:35:01 2024 Page 2 ID:nV5ZFUJaGJLKOl1jrAiSDcyHyrn-fREST9Z1ub3Yc7xBB_bG_Yhlx_Ay0lehUAkJH1yurwu

NOTES-

13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-60, 10-12=-60, 2-11=-20, 3-7=-60, 7-10=-60

Concentrated Loads (lb)

Vert: 3=21(F) 10=21(F) 7=21(F) 5=21(F) 9=21(F) 28=77(F) 29=77(F) 34=21(F) 35=21(F) 36=21(F) 37=21(F)



Job Truss Truss Type Qty Ply 1755-C- Frame T34535114 5 6241956 G02 Common Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:35:01 2024 Page 1 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-fREST9Z1ub3Yc7xBB_bG_YhC3_6M0HghUAkJH1yurwu 10-0-0 16-0-15 20-0-0

6-0-15

6-0-15

Scale = 1:38.5

2-0-0

3-11-1

Structural wood sheathing directly applied or 3-5-15 oc purlins.

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

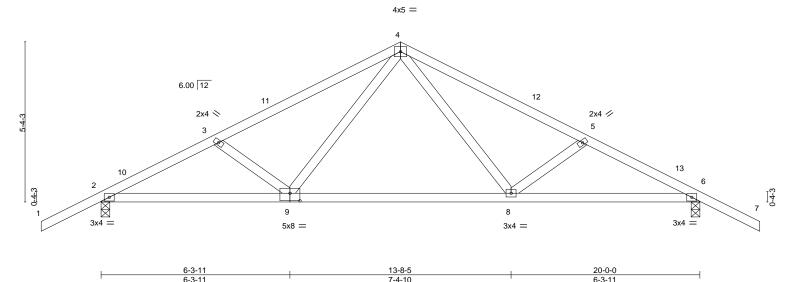


Plate Off	sets (X,Y)	[9:0-4-0,0-3-0]				7 4 10					0011	
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.ó	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	-0.05	`8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.36	8-9	>648	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.17	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2023/T	PI2014	Matri	x-S	Wind(LL)	0.03	8-9	>999	240	Weight: 97 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP M 31 or 2x4 SP SS

WEBS 2x4 SP No.2

REACTIONS. (size) 2=0-3-8, 6=0-3-8

Max Horz 2=99(LC 11)

Max Grav 2=1139(LC 1), 6=1139(LC 1)

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

TOP CHORD 2-3=-1927/0, 3-4=-1718/0, 4-5=-1718/0, 5-6=-1927/0 BOT CHORD 2-9=0/1659, 8-9=0/1062, 6-8=0/1659

WEBS 4-8=0/719, 5-8=-268/183, 4-9=0/719, 3-9=-268/183

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 10-0-0, Zone2 10-0-0 to 14-2-15, Zone1 14-2-15 to 22-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard

 Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-60, 4-7=-60, 2-9=-20, 8-9=-80, 6-8=-20

2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-50, 4-7=-50, 2-9=-20, 8-9=-80, 6-8=-20

 Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-20, 4-7=-20, 2-9=-40, 8-9=-100, 6-8=-40

4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60



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

July 25,2024

Continued on page 2

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss Type	Qty	Ply	1755-C- Frame
6241956	G02	Common	_	_	T34535114
6241956	G02	Common	3	'	Job Reference (optional)

Ocala, FL - 34472,

8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:35:01 2024 Page 2 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-fREST9Z1ub3Yc7xBB_bG_YhC3_6M0HghUAkJH1yurwu

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=47, 2-10=32, 4-10=19, 4-12=26, 6-12=19, 6-7=14, 2-9=-12, 8-9=-72, 6-8=-12 Horz: 1-2=-56, 2-10=-40, 4-10=-27, 4-12=35, 6-12=27, 6-7=23

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=14, 2-11=19, 4-11=26, 4-13=19, 6-13=32, 6-7=47, 2-9=-12, 8-9=-72, 6-8=-12 Horz: 1-2=-23, 2-11=-27, 4-11=-35, 4-13=27, 6-13=40, 6-7=56

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=-8, 2-4=-33, 4-6=-33, 6-7=-29, 2-9=-20, 8-9=-80, 6-8=-20

Horz: 1-2=-12, 2-4=13, 4-6=-13, 6-7=-9

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=-29, 2-4=-33, 4-6=-33, 6-7=-8, 2-9=-20, 8-9=-80, 6-8=-20

Horz: 1-2=9, 2-4=13, 4-6=-13, 6-7=12

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, 4-6=9, 6-7=4, 2-9=-12, 8-9=-72, 6-8=-12

Horz: 1-2=-24, 2-4=-11, 4-6=17, 6-7=13

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, 4-6=3, 6-7=15, 2-9=-12, 8-9=-72, 6-8=-12

Horz: 1-2=-13, 2-4=-17, 4-6=11, 6-7=24

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=-12, 6-7=-7, 2-9=-20, 8-9=-80, 6-8=-20

Horz: 1-2=4, 2-4=8, 4-6=8, 6-7=13

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=-28, 6-7=-24, 2-9=-20, 8-9=-80, 6-8=-20

Horz: 1-2=-13, 2-4=-8, 4-6=-8, 6-7=-4

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, 6-7=28, 2-9=-12, 8-9=-72, 6-8=-12

Horz: 1-2=-37, 2-4=-24, 4-6=24, 6-7=37

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, 6-7=15, 2-9=-12, 8-9=-72, 6-8=-12

Horz: 1-2=-24, 2-4=-11, 4-6=11, 6-7=24

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, 6-7=-16, 2-9=-20, 8-9=-80, 6-8=-20

Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4

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, 6-7=-16, 2-9=-20, 8-9=-80, 6-8=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4

16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90

Uniform Loads (plf)

Vert: 1-4=-20, 4-7=-20, 2-9=-20, 8-9=-80, 6-8=-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, 2-4=-56, 4-6=-44, 6-7=-40, 2-9=-20, 8-9=-80, 6-8=-20

Horz: 1-2=3, 2-4=6, 4-6=6, 6-7=10

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, 2-4=-44, 4-6=-56, 6-7=-53, 2-9=-20, 8-9=-80, 6-8=-20

Horz: 1-2=-10. 2-4=-6. 4-6=-6. 6-7=-3

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, 2-4=-51, 4-6=-51, 6-7=-47, 2-9=-20, 8-9=-80, 6-8=-20

Horz: 1-2=-3, 2-4=1, 4-6=-1, 6-7=3

20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-47, 2-4=-51, 4-6=-51, 6-7=-47, 2-9=-20, 8-9=-80, 6-8=-20

Horz: 1-2=-3, 2-4=1, 4-6=-1, 6-7=3

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, 4-7=-25, 2-9=-12, 8-9=-72, 6-8=-12

Horz: 1-2=-16, 2-4=16, 4-7=-16 22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-4=8, 4-7=8, 2-9=-12, 8-9=-72, 6-8=-12

Horz: 1-4=-16, 4-7=16

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25



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

Design valid for use only with MTRe% connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss Type	Qty	Ply	1755-C- Frame
					T34535114
6241956	G02	Common	5	1	
					Job Reference (optional)

Ocala, FL - 34472,

8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:35:01 2024 Page 3 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-fREST9Z1ub3Yc7xBB_bG_YhC3_6M0HghUAkJH1yurwu

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-60, 4-7=-20, 2-9=-20, 8-9=-80, 6-8=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-20, 4-7=-60, 2-9=-20, 8-9=-80, 6-8=-20

25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-50, 4-7=-20, 2-9=-20, 8-9=-80, 6-8=-20

26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-20, 4-7=-50, 2-9=-20, 8-9=-80, 6-8=-20



Job Truss Truss Type Qty Ply 1755-C- Frame T34535115 6241956 G03 COMMON Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:35:02 2024 Page 1 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-7eoqhVZffuBPEHWNlh6VXmDNiOSclksqjqTspTyurwt 10-0-0 20-0-0 3-11-1 6-0-15 6-0-15 2-0-0 Scale = 1:36.0 4x4 =3 6.00 12 11 10 2x4 × 2x4 // 2 12 3x4 3x4 5x8 = 3x4 =

	6-3-11		7-4	-10			6-3-11		
Plate Offsets (X,Y)	[8:0-4-0,0-3-0]								
	1								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.73	Vert(LL)	-0.05 7-8	>999 360	MT20	244/190	
TCDL 10.0	Lumber DOL	1.25	BC 0.64	Vert(CT)	-0.36 7-8	>649 240			
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.17	Horz(CT)	0.04 5	n/a n/a			

Wind(LL)

BRACING-

TOP CHORD

BOT CHORD

0.03

7-8

>999

240

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

13-8-5

LUMBER-

BCDL

TOP CHORD 2x4 SP No 2

BOT CHORD 2x4 SP M 31 or 2x4 SP SS

WFBS 2x4 SP No.2

10.0

REACTIONS. 1=0-3-8, 5=0-3-8 (size)

Max Horz 1=-95(LC 10)

Max Grav 1=1003(LC 1), 5=1146(LC 1)

6-3-11

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

Code FBC2023/TPI2014

1-2=-1982/0, 2-3=-1759/0, 3-4=-1732/0, 4-5=-1942/0 TOP CHORD **BOT CHORD** 1-8=0/1721 7-8=0/1075 5-7=0/1672

WEBS 3-7=0/718, 4-7=-268/183, 3-8=0/732, 2-8=-301/191

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 0-1-12 to 3-1-12, Zone1 3-1-12 to 10-0-0, Zone2 10-0-0 to 14-2-15 Zone1 14-2-15 to 22-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Matrix-S

- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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, 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=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-60, 3-6=-60, 1-8=-20, 7-8=-80, 5-7=-20

2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-50, 3-6=-50, 1-8=-20, 7-8=-80, 5-7=-20

3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-20, 3-6=-20, 1-8=-40, 7-8=-100, 5-7=-40

4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60



20-0-0

Structural wood sheathing directly applied or 3-5-8 oc purlins.

Weight: 94 lb

FT = 20%

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

July 25,2024

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

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Job	Truss	Truss Type	Qty	Ply	1755-C- Frame	_
6241956	G03	COMMON	1	1	T3453511	5
					Job Reference (optional)	

Ocala, FL - 34472,

8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:35:02 2024 Page 2 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-7eoqhVZffuBPEHWNlh6VXmDNiOSclksqjqTspTyurwt

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-9=32, 3-9=19, 3-11=26, 5-11=19, 5-6=14, 1-8=-12, 7-8=-72, 5-7=-12 Horz: 1-9=-40, 3-9=-27, 3-11=35, 5-11=27, 5-6=23

5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-10=19, 3-10=26, 3-12=19, 5-12=32, 5-6=47, 1-8=-12, 7-8=-72, 5-7=-12

Horz: 1-10=-27, 3-10=-35, 3-12=27, 5-12=40, 5-6=56

6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-3=-33, 3-5=-33, 5-6=-29, 1-8=-20, 7-8=-80, 5-7=-20

Horz: 1-3=13, 3-5=-13, 5-6=-9

7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-3=-33, 3-5=-33, 5-6=-8, 1-8=-20, 7-8=-80, 5-7=-20

Horz: 1-3=13, 3-5=-13, 5-6=12

8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-3=3, 3-5=9, 5-6=4, 1-8=-12, 7-8=-72, 5-7=-12

Horz: 1-3=-11, 3-5=17, 5-6=13

9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-3=9, 3-5=3, 5-6=15, 1-8=-12, 7-8=-72, 5-7=-12

Horz: 1-3=-17, 3-5=11, 5-6=24

10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-28, 3-5=-12, 5-6=-7, 1-8=-20, 7-8=-80, 5-7=-20

Horz: 1-3=8, 3-5=8, 5-6=13

11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-12, 3-5=-28, 5-6=-24, 1-8=-20, 7-8=-80, 5-7=-20

Horz: 1-3=-8, 3-5=-8, 5-6=-4

12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-3=15, 3-5=15, 5-6=28, 1-8=-12, 7-8=-72, 5-7=-12

Horz: 1-3=-24, 3-5=24, 5-6=37

13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-3=3, 3-5=3, 5-6=15, 1-8=-12, 7-8=-72, 5-7=-12

Horz: 1-3=-11, 3-5=11, 5-6=24

14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-3=-21, 3-5=-21, 5-6=-16, 1-8=-20, 7-8=-80, 5-7=-20

Horz: 1-3=1, 3-5=-1, 5-6=4

15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-21, 3-5=-21, 5-6=-16, 1-8=-20, 7-8=-80, 5-7=-20

Horz: 1-3=1, 3-5=-1, 5-6=4

16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90

Uniform Loads (plf)

Vert: 1-3=-20, 3-6=-20, 1-8=-20, 7-8=-80, 5-7=-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: 1-3=-56, 3-5=-44, 5-6=-40, 1-8=-20, 7-8=-80, 5-7=-20

Horz: 1-3=6, 3-5=6, 5-6=10

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: 1-3=-44, 3-5=-56, 5-6=-53, 1-8=-20, 7-8=-80, 5-7=-20

Horz: 1-3=-6. 3-5=-6. 5-6=-3

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: 1-3=-51, 3-5=-51, 5-6=-47, 1-8=-20, 7-8=-80, 5-7=-20

Horz: 1-3=1, 3-5=-1, 5-6=3

20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-3=-51, 3-5=-51, 5-6=-47, 1-8=-20, 7-8=-80, 5-7=-20

Horz: 1-3=1, 3-5=-1, 5-6=3

21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-3=-25, 3-6=-25, 1-8=-12, 7-8=-72, 5-7=-12

Horz: 1-3=16, 3-6=-16

22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=8, 3-6=8, 1-8=-12, 7-8=-72, 5-7=-12

Horz: 1-3=-16, 3-6=16

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25



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

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Job	Truss	Truss Type	Qty	Ply	1755-C- Frame
					T34535115
6241956	G03	COMMON	1	1	
					Job Reference (optional)

Ocala, FL - 34472,

8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:35:02 2024 Page 3 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-7eoqhVZffuBPEHWNlh6VXmDNiOSclksqjqTspTyurwt

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-60, 3-6=-20, 1-8=-20, 7-8=-80, 5-7=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-20, 3-6=-60, 1-8=-20, 7-8=-80, 5-7=-20

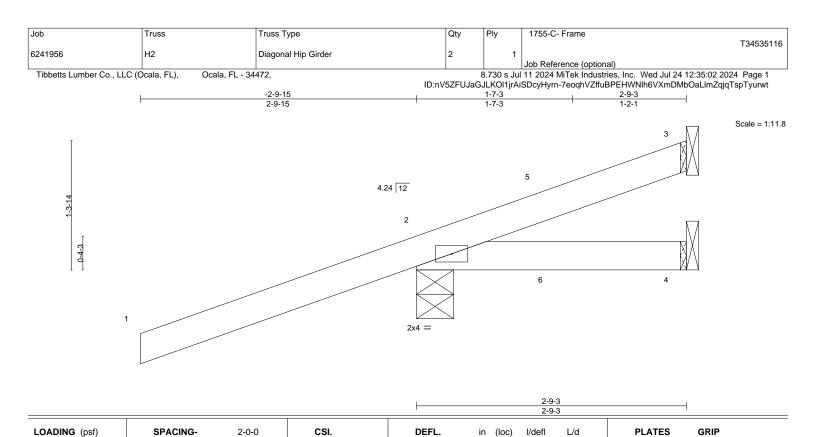
25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-50, 3-6=-20, 1-8=-20, 7-8=-80, 5-7=-20

26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-20, 3-6=-50, 1-8=-20, 7-8=-80, 5-7=-20





LUMBER-

TCLL

TCDL

BCLL

BCDL

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

20.0

0.0

10.0

Wind(LL) BRACING-

Vert(LL)

Vert(CT)

Horz(CT)

2-4

3

>999

>999

n/a

-0.00

-0.00

-0.00

0.00

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

MT20

Weight: 13 lb

244/190

FT = 20%

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

360

240

n/a

240

REACTIONS. (size) 3=Mechanical, 2=0-4-9, 4=Mechanical

Plate Grip DOL

Rep Stress Incr

Lumber DOL

Max Horz 2=59(LC 27)

Max Uplift 3=-210(LC 19), 2=-180(LC 8)

Max Grav 3=117(LC 27), 2=345(LC 31), 4=50(LC 3)

Code FBC2023/TPI2014

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

1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

TC

вс

WB

Matrix-P

0.80

0.08

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.

1.25

1.25

NO

- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 210 lb uplift at joint 3 and 180 lb uplift at
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 86 lb down and 181 lb up at 1-4-15, and 86 lb down and 181 lb up at 1-4-15 on top chord, and at 1-4-15, and at 1-4-15 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=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-60, 2-4=-20 Concentrated Loads (lb)

Vert: 5=121(F=60, B=60)



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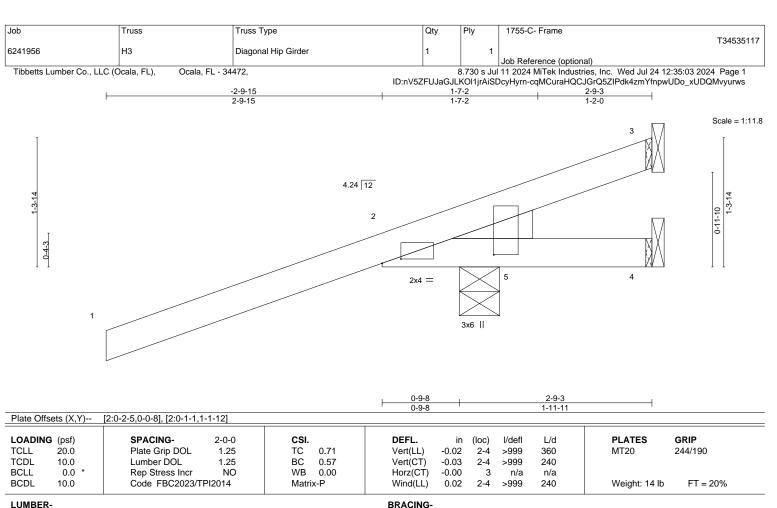
July 25,2024



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 MTRe% connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)





TOP CHORD

BOT CHORD

LUMBER-

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

WEDGE

Left: 2x4 SP No.2

REACTIONS.

(size) 3=Mechanical, 4=Mechanical, 2=0-4-15

Max Horz 2=59(LC 8)

Max Uplift 3=-36(LC 1), 4=-74(LC 4), 2=-237(LC 8)

Max Grav 3=34(LC 8), 4=193(LC 1), 2=572(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed; porch left exposed; Lumber DOL=1.60 plate grip
- 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 36 lb uplift at joint 3, 74 lb uplift at joint 4 and 237 lb uplift at joint 2.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 174 lb down and 87 lb up at 1-4-15, and 174 lb down and 87 lb up at 1-4-15 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=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-60, 2-4=-20 Concentrated Loads (lb)

Vert: 5=-348(F=-174, B=-174)

No 68

No 68

STATE

ORI

Joaquin Velez PE No.68182 JOAQUIN VE 68182

Structural wood sheathing directly applied or 2-9-3 oc purlins.

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

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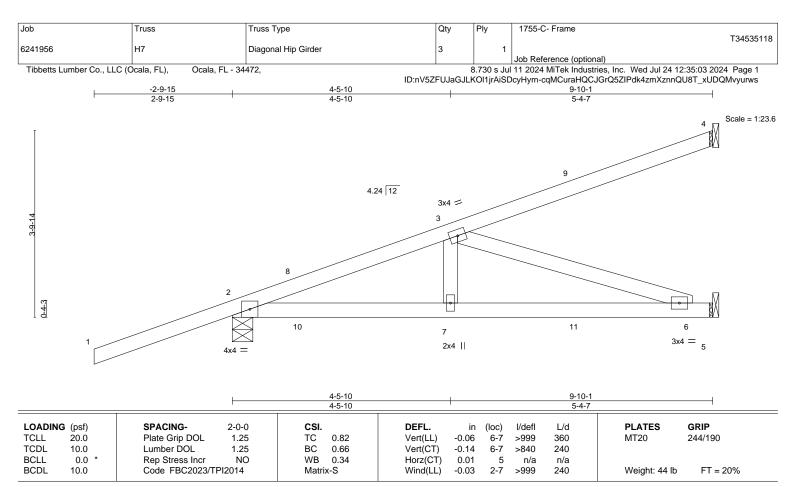
July 25,2024



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LUMBER-

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

BRACING-

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 5-3-8 oc purlins.

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

REACTIONS. (size) 4=Mechanical, 2=0-5-1, 5=Mechanical

Max Horz 2=119(LC 27)

Max Uplift 4=-51(LC 8), 2=-170(LC 8)

Max Grav 4=165(LC 1), 2=582(LC 31), 5=272(LC 3)

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

TOP CHORD 2-3=-788/23

BOT CHORD 2-7=-55/670 6-7=-55/670 WEBS 3-7=0/288, 3-6=-705/58

NOTES-

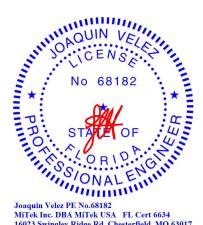
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 4 and 170 lb uplift at joint 2.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 185 lb up at 1-4-15, 87 lb down and 185 lb up at 1-4-15, 54 lb down and 23 lb up at 4-2-15, 54 lb down and 23 lb up at 4-2-15, and 83 lb down and 56 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=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-60, 2-5=-20

Concentrated Loads (lb) Vert: 8=123(F=62, B=62) 9=-60(F=-30, B=-30) 11=-39(F=-20, B=-20)



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July 25,2024



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Job Truss Type Qty Ply T34535119 V18 **GABLE** 6241956 Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 12:35:04 2024 Page 1 ID:nV5ZFUJaGJLKOI1jrAiSDcyHyrn-40vb5BbvBWR7Tagls68zcBJujBHPDgb7A8yzuMyurwr 8-10-8 17-9-0 8-10-8 8-10-8 Scale = 1:28.5 4x4 =

5 TRUSS DESIGNED FOR WIND LOADS IN THE PLANE OF THE TRUSS ONLY. FOR STUDS EXPOSED TO WIND (NORMAL TO THE FACE), SEE STANDARD INDUSTRY GABLE END DETAILS AS APPLICABLE, OR CONSULT QUALIFIED BUILDING DESIGNER AS PER ANSI/TPI 1 6 6.00 12 7 3 18 17 8 Þ 9 16 15 14 13 12 11 10 3x4 🖊 3x4 > 17-9-0 17-9-0 LOADING (psf) SPACING-2-0-0 CSI. **DEFL** in (loc) I/defI L/d **PLATES** GRIP **TCLL** 20.0 Plate Grip DOL 1.25 TC 0.05 Vert(LL) n/a n/a 999 MT20 244/190 TCDL Lumber DOL 1.25 вс 0.04 Vert(CT) n/a n/a 999

LUMBER-

BCLL

BCDL

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

0.0

10.0

BRACING-

Horz(CT)

0.00

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

Weight: 76 lb

FT = 20%

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

n/a

n/a

1755-C- Frame

REACTIONS. All bearings 17-9-0.

Max Horz 1=68(LC 11) (lb) -

Truss

Max Uplift All uplift 100 lb or less at joint(s) 14, 15, 16, 12, 11, 10

Max Grav All reactions 250 lb or less at joint(s) 1, 9, 13, 14, 15, 16, 12, 11, 10

YES

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.

Rep Stress Incr

Code FBC2023/TPI2014

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 0-7-9 to 3-7-9, Zone1 3-7-9 to 8-10-8, Zone2 8-10-8 to 12-10-8, Zone1 12-10-8 to 17-1-7 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

WB

Matrix-S

0.03

- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 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.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 15, 16, 12, 11, 10.



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July 25,2024



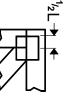
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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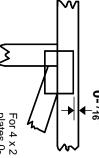


Symbols

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- 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



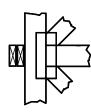
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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.

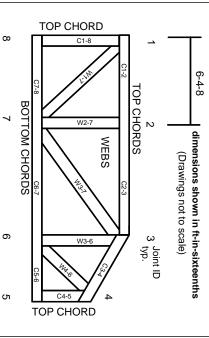
Industry Standards:

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.
- 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.

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- 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.
- 17. 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.