MiTek®

RE: 6243112
2265 -CR -2Car - Frame

MiTek, Inc.
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer: Adams Homes-Gainesville
Lot/Block: 0959
Address: 731 SW Rosemary Dr
City: Lake City

Project Name: 6243112
Model: 2265 -CR -2Car - Frame
Subdivision: The Preserve at Laurel Lake
State: FL

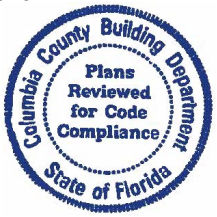
General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2023/TPI2014
Wind Code: ASCE 7-22
Roof Load: 40.0 psf

Design Program: MiTek 20/20 8.7
Wind Speed: 130 mph
Floor Load: N/A psf

This package includes 36 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T34533890	A1	7/25/2024	21	T34533910	B1X	7/25/2024
2	T34533891	A2	7/25/2024	22	T34533911	CJ1	7/25/2024
3	T34533892	A3	7/25/2024	23	T34533912	CJ3	7/25/2024
4	T34533893	A4	7/25/2024	24	T34533913	CJ5	7/25/2024
5	T34533894	A5	7/25/2024	25	T34533914	E01X	7/25/2024
6	T34533895	A6	7/25/2024	26	T34533915	E02	7/25/2024
7	T34533896	A7	7/25/2024	27	T34533916	E02X	7/25/2024
8	T34533897	A8	7/25/2024	28	T34533917	E03	7/25/2024
9	T34533898	A9	7/25/2024	29	T34533918	EJ7	7/25/2024
10	T34533899	A10	7/25/2024	30	T34533919	EJ7V	7/25/2024
11	T34533900	A11	7/25/2024	31	T34533920	EJ7W	7/25/2024
12	T34533901	A12	7/25/2024	32	T34533921	EJ7X	7/25/2024
13	T34533902	A13	7/25/2024	33	T34533922	EJ7Y	7/25/2024
14	T34533903	A14	7/25/2024	34	T34533923	EJ7Z	7/25/2024
15	T34533904	A15	7/25/2024	35	T34533924	HJ1	7/25/2024
16	T34533905	A16	7/25/2024	36	T34533925	PB1	7/25/2024
17	T34533906	A17	7/25/2024				
18	T34533907	A18	7/25/2024				
19	T34533908	A19	7/25/2024				
20	T34533909	B1	7/25/2024				



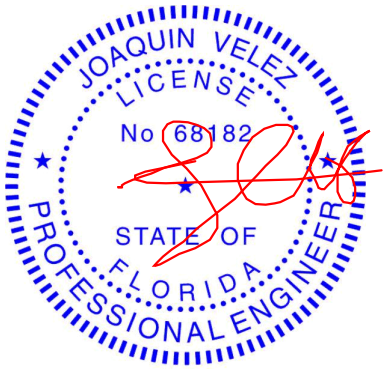
The truss drawing(s) referenced above have been prepared by MiTek USA, Inc under my direct supervision based on the parameters provided by Tibbetts Lumber Co., LLC.

Truss Design Engineer's Name: Velez, Joaquin

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

Florida COA: 6634

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. Any project specific information included is for MiTek customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek 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.



Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: July 25, 2024

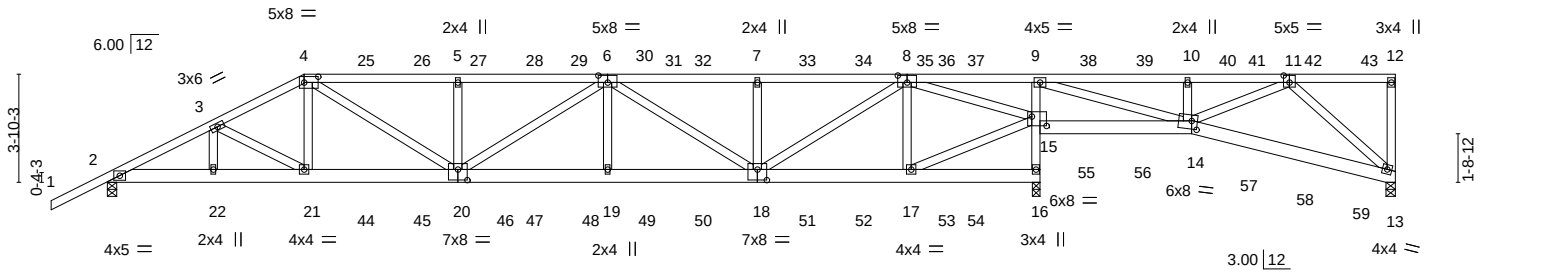
Velez, Joaquin

Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533890
6243112	A1	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 10:59:35 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-JsFniFGJNHf?f9ChlQsVw3XhnorPPW?soKgJJwyutKM

-2-0-0	3-9-4	7-0-0	12-5-11	17-9-10	23-1-9	28-5-8	33-2-4	38-7-0	42-0-12	45-10-0
2-0-0	3-9-4	3-2-12	5-5-11	5-3-15	5-3-15	5-3-15	4-8-12	5-4-12	3-5-12	3-9-4

Scale = 1:82.0



3-9-4	7-0-0	12-5-11	17-9-10	23-1-9	28-5-8	33-0-10	33-2-4	38-7-0	45-10-0
3-9-4	3-2-12	5-5-11	5-3-15	5-3-15	5-3-15	4-7-2	0-1-10	5-4-12	7-3-0

Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [6:0-4-0,0-3-0], [8:0-4-0,0-3-0], [11:0-2-8,0-3-0], [14:0-2-8,0-3-8], [15:0-6-4,0-4-0], [18:0-4-0,0-4-8], [20:0-4-0,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.18	19-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.37	19-20	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.50	Horz(CT)	0.07	16	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.11	19-20	>999	240	Weight: 583 lb	FT = 20%

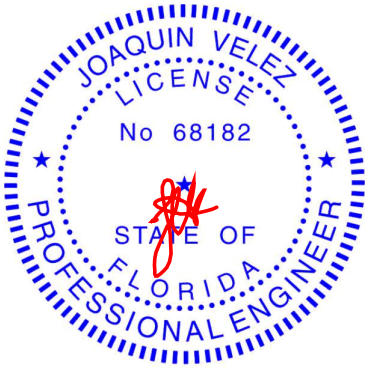
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
9-16: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-17,14-15
5-9-4 oc bracing: 15-16.

REACTIONS. (size) 13=0-4-0, 2=0-4-0, 16=0-3-4
Max Horz 2=121(LC 8)
Max Uplift 13=-99(LC 5), 2=-126(LC 8), 16=-204(LC 8)
Max Grav 13=880(LC 20), 2=2551(LC 1), 16=4427(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5029/107, 3-4=-4900/136, 4-5=-5965/229, 5-6=-5965/229, 6-7=-4847/205, 7-8=-4847/205, 8-9=-112/2786, 9-10=-597/69, 10-11=-557/57, 12-13=-353/107
BOT CHORD 2-22=-146/4468, 21-22=-146/4468, 20-21=-131/4386, 19-20=-250/6114, 18-19=-250/6114, 17-18=-89/2170, 15-16=-4299/262, 9-15=-1704/219, 14-15=-2703/109, 13-14=-100/570
WEBS 4-21=0/715, 4-20=-116/1910, 5-20=-678/195, 6-19=0/461, 6-18=-1512/55, 7-18=-664/189, 8-18=-138/3195, 8-17=-711/174, 15-17=-95/2481, 8-15=-5200/211, 9-14=-149/3432, 10-14=-483/143, 11-13=-678/117

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row 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=6ft; 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) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 2=126, 16=204.



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/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

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NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 240 lb down and 156 lb up at 7-0-0, 117 lb down and 73 lb up at 9-0-12, 117 lb down and 73 lb up at 11-0-12, 117 lb down and 73 lb up at 13-0-12, 117 lb down and 73 lb up at 15-0-12, 117 lb down and 73 lb up at 17-0-12, 117 lb down and 73 lb up at 19-0-12, 117 lb down and 73 lb up at 21-0-12, 117 lb down and 73 lb up at 22-11-0, 117 lb down and 73 lb up at 24-9-4, 117 lb down and 73 lb up at 26-9-4, 117 lb down and 73 lb up at 28-9-4, 117 lb down and 73 lb up at 30-9-4, 117 lb down and 73 lb up at 32-9-4, 115 lb down and 72 lb up at 34-9-4, 115 lb down and 72 lb up at 36-9-4, 115 lb down and 72 lb up at 38-9-4, 125 lb down and 42 lb up at 40-9-4, 119 lb down and 61 lb up at 42-9-4, and 123 lb down and 71 lb up at 44-9-4, and 156 lb down and 67 lb up at 45-8-4 on top chord, and 310 lb down at 7-0-0, 87 lb down at 9-0-12, 87 lb down at 11-0-12, 87 lb down at 13-0-12, 87 lb down at 15-0-12, 87 lb down at 17-0-12, 87 lb down at 19-0-12, 87 lb down at 21-0-12, 87 lb down at 22-11-0, 87 lb down at 24-9-4, 87 lb down at 26-9-4, 87 lb down at 28-9-4, 87 lb down at 30-9-4, 87 lb down at 33-0-8, 86 lb down at 34-9-4, 86 lb down at 36-9-4, 86 lb down at 38-7-0, 68 lb down and 23 lb up at 40-9-4, and 65 lb down at 42-9-4, and 84 lb down at 44-9-4 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: 1-4=-60, 4-12=-60, 2-16=-20, 14-15=-20, 13-14=-20

Concentrated Loads (lb)

Vert: 4=-193(B) 12=-156(B) 16=-64(B) 9=-117(B) 14=-65(B) 21=-303(B) 18=-64(B) 7=-117(B) 25=-117(B) 26=-117(B) 27=-117(B) 28=-117(B) 30=-117(B) 31=-117(B) 32=-117(B) 33=-117(B) 34=-117(B) 36=-117(B) 37=-117(B) 38=-115(B) 39=-115(B) 40=-115(B) 41=-112(B) 42=-117(B) 43=-123(B) 44=-64(B) 45=-64(B) 46=-64(B) 47=-64(B) 48=-64(B) 49=-64(B) 50=-64(B) 51=-64(B) 52=-64(B) 53=-64(B) 54=-64(B) 55=-65(B) 56=-65(B) 57=-68(B) 58=-63(B) 59=-61(B)

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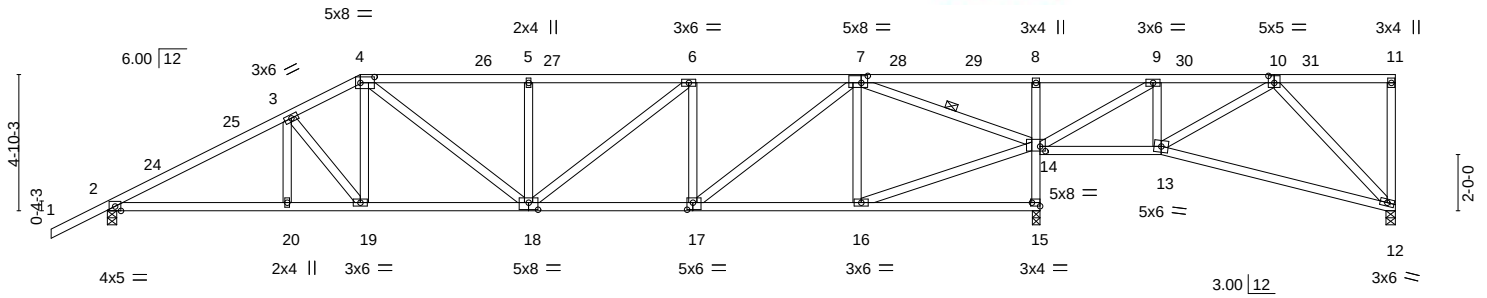
Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533891
6243112	A2	Half Hip	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 10:59:45 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-1nrZpfNa0LvbshzcKW2rKAyQ3qFVl0EL5t5rgKyutKC

-2-0-0	6-4-13	9-0-0	14-11-14	20-10-0	26-8-2	33-2-4	37-6-0	41-6-4	45-10-0
2-0-0	6-4-13	2-7-3	5-11-14	5-10-2	5-10-2	6-6-2	4-3-12	4-0-4	4-3-12

Scale = 1:82.0

Bracing



6-4-13	9-0-0	14-11-14	20-10-0	26-8-2	33-0-10	33-2-4	37-6-0	45-10-0
6-4-13	2-7-3	5-11-14	5-10-2	5-10-2	6-4-8	0-1-10	4-3-12	8-4-0

Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [7:0-2-12,0-3-0], [10:0-2-8,0-3-0], [14:0-2-4,0-2-0], [15:Edge,0-1-8], [17:0-2-8,0-3-0], [18:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.17	12-13	>905	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.34	12-13	>450	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.07	15	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.08	18	>999	240	Weight: 266 lb	FT = 20%

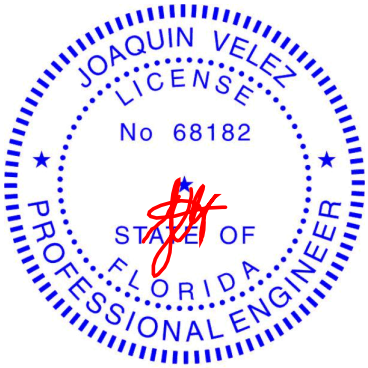
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-11-8 oc bracing.
WEBS 1 Row at midpt 7-14

REACTIONS. (size) 12=0-4-0, 2=0-4-0, 15=0-3-4
Max Horz 2=144(LC 12)
Max Uplift 12=-39(LC 9), 2=-103(LC 12), 15=-106(LC 12)
Max Grav 12=272(LC 24), 2=1349(LC 1), 15=2172(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2247/145, 3-4=-1954/159, 4-5=-2099/159, 5-6=-2099/159, 6-7=-1827/123, 7-8=-79/1149, 8-9=-87/1172
BOT CHORD 2-20=-198/1942, 19-20=-198/1942, 18-19=-152/1713, 17-18=-123/1827, 16-17=-53/949, 14-15=-2114/176, 8-14=-342/90
WEBS 3-19=-371/72, 4-19=-5/374, 4-18=-19/571, 5-18=-383/115, 6-18=-46/344, 6-17=-556/120, 7-17=-89/1103, 14-16=-71/1006, 7-14=-2274/145, 9-14=-1115/58, 9-13=0/372, 10-13=-347/83

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=6ft; 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 45-8-4 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) 12 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 100 lb uplift at joint(s) 12 except (jt=lb) 2=103, 15=106.



Joaquin Velez PE No.68182
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 25,2024

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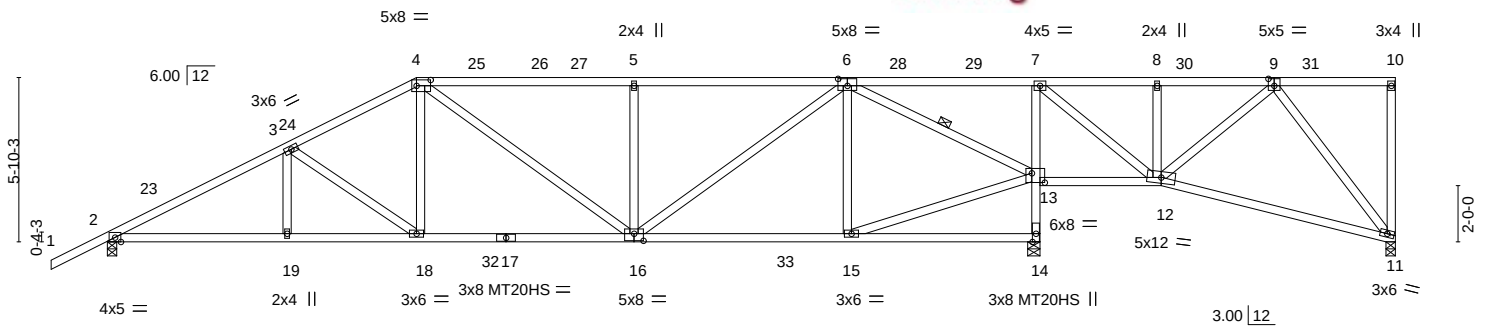
Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533892
6243112	A3	Half Hip	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 10:59:46 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-VzPy0?OCnf1STrYouEZ4sNUZkEZpUSOUKXrOCnyutKB

-2-0-0	6-4-12	11-0-0	18-8-14	26-4-0	33-2-4	37-6-0	41-6-4	45-10-0
2-0-0	6-4-12	4-7-4	7-8-14	7-7-2	6-10-4	4-3-12	4-0-4	4-3-12

Scale = 1:82.0

Bracing



6-4-12	11-0-0	18-8-14	26-4-0	33-2-4	37-6-0	45-10-0
6-4-12	4-7-4	7-8-14	7-7-2	6-10-4	4-3-12	8-4-0

Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [6:0-4-0,0-3-0], [9:0-2-8,0-3-0], [13:0-5-8,0-4-0], [16:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.17	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.34	11-12	>442	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.07	14	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.06	16-18	>999	240	Weight: 271 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 3-9-9 oc bracing: 13-14 5-8-2 oc bracing: 12-13.
WEBS	1 Row at midpt 6-13

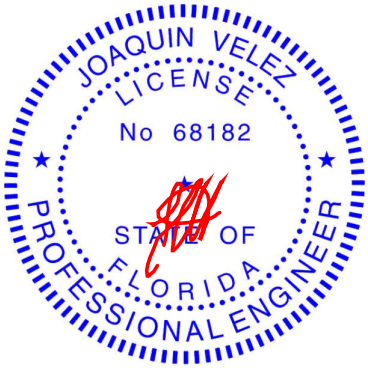
REACTIONS. (size) 11=0-4-0, 2=0-4-0, 14=0-5-4
Max Horz 2=168(LC 12)
Max Uplift 11=-39(LC 9), 2=-99(LC 12), 14=-111(LC 12)
Max Grav 11=279(LC 26), 2=1490(LC 17), 14=2402(LC 17)

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

TOP CHORD	2-3=-2516/134, 3-4=-2039/137, 4-5=-1862/129, 5-6=-1862/129, 6-7=-69/1022
BOT CHORD	2-19=-215/2221, 18-19=-215/2221, 16-18=-147/1792, 15-16=-53/965, 13-14=-2303/185, 7-13=-979/127, 12-13=-1037/75
WEBS	3-18=-537/81, 4-18=0/552, 4-16=-4/260, 5-16=-504/144, 6-16=-95/1112, 13-15=-66/1006, 6-13=-2222/135, 7-12=-54/1092, 9-12=-308/75

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=6ft; 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 45-8-4 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) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 2 except (jt=lb) 14=111.



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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16023 Swingley Ridge Rd.
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314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533893
6243112	A4	Roof Special	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 10:59:47 2024 Page 1
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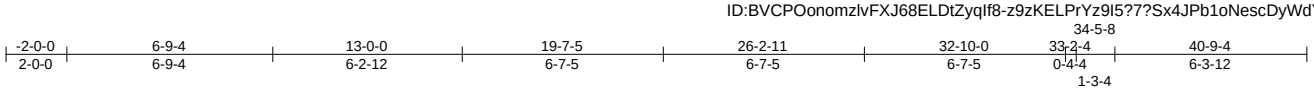
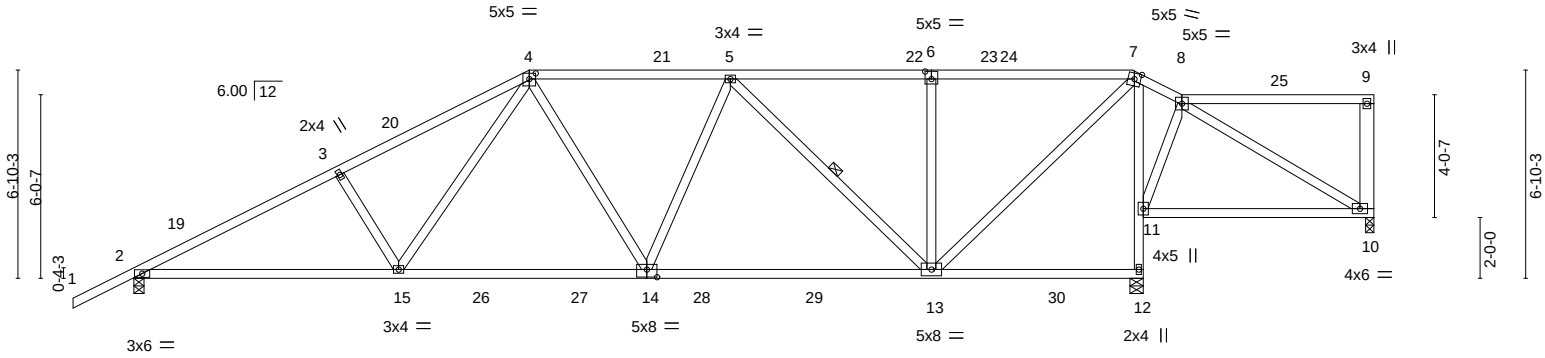


Scale = 1:75.8

Bracing



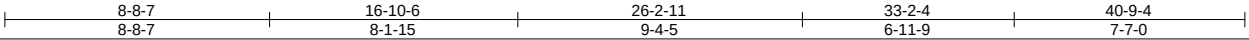


Plate Offsets (X,Y)-- [4:0-2-8,0-2-4], [6:0-2-8,0-3-0], [14:0-4-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.22	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.40	13-14	>985	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.06	14-15	>999	240	Weight: 234 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 12-14: 2x4 SP M 31 or 2x4 SP SS
WEBS	2x4 SP No.2 *Except* 9-10: 2x6 SP No.2

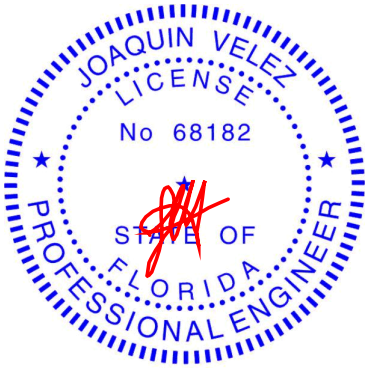
BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-0-9 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 5-13

REACTIONS. (size) 10=0-3-4, 2=0-4-0, 12=0-5-4
Max Horz 2=173(LC 12)
Max Uplift 10=-21(LC 9), 2=-104(LC 12), 12=-83(LC 12)
Max Grav 10=228(LC 26), 2=1604(LC 17), 12=1958(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2714/199, 3-4=-2559/212, 4-5=-1887/168, 5-6=-1220/113, 6-7=-1220/113
BOT CHORD 2-15=-287/2424, 14-15=-188/1801, 13-14=-162/1799, 11-12=-1841/208, 7-11=-1502/182
WEBS 3-15=-383/153, 4-15=-38/780, 4-14=0/298, 5-14=-26/270, 5-13=-809/107, 6-13=-414/132, 8-11=-256/78, 7-13=-133/1806

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 32-10-12, Zone3 32-10-12 to 34-5-8, Zone1 34-5-8 to 40-6-8 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 12 except (jt=lb) 2=104.



Joaquin Velez PE No.68182
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Date:

July 25,2024

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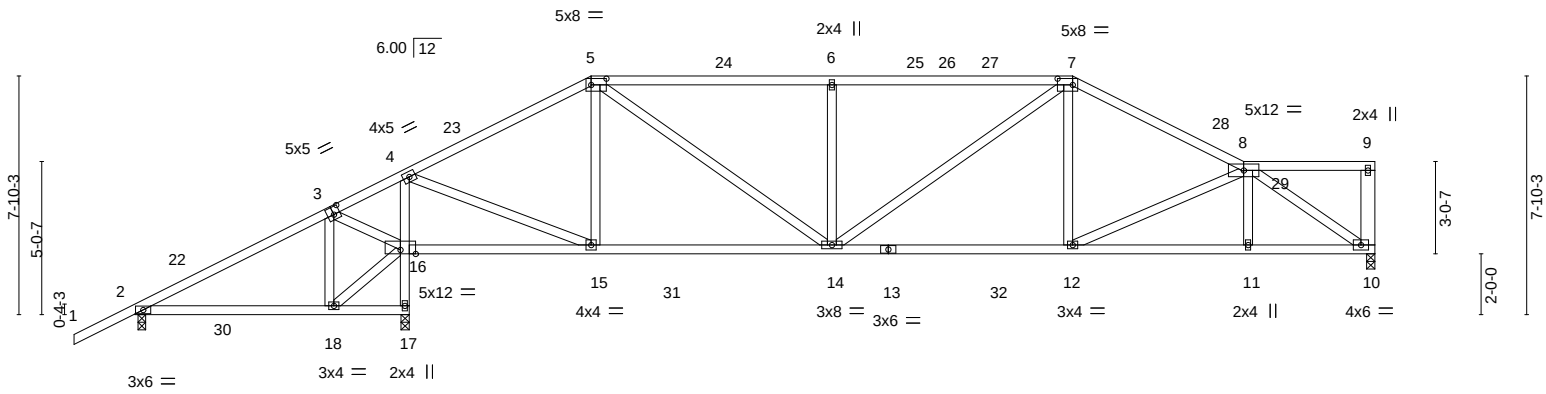
Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533894
6243112	A5	Roof Special	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 10:59:47 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-z9zKELPrYz9I5??Sx4JPb1joev9DsTdYBaxlDyutKA

-2-0-0 2-0-0 | 6-4-12 6-4-12 | 9-0-4 2-7-8 | 15-0-0 5-11-12 | 22-11-0 7-11-0 | 30-10-0 7-11-0 | 36-5-8 5-7-8 | 40-9-4 4-3-12

Scale = 1:75.8



0-1-4 0-1-4 | 6-4-12 6-3-8 | 8-10-10 2-5-14 | 9-0-4 0-1-10 | 15-0-0 5-11-12 | 22-11-0 7-11-0 | 30-10-0 7-11-0 | 36-5-8 5-7-8 | 40-9-4 4-3-12

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.80	Vert(LL)	-0.15	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.29	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.05	14	>999	240	Weight: 232 lb	FT = 20%

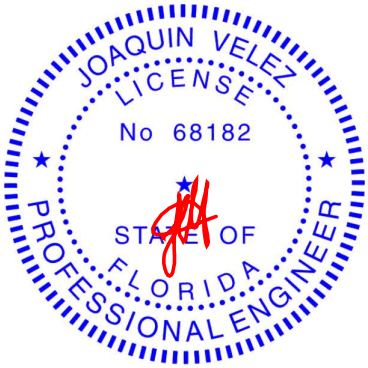
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
9-10: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-2-2 oc bracing.

REACTIONS. (size) 10=0-3-4, 17=0-3-4, 2=0-3-0
Max Horz 2=149(LC 12)
Max Uplift 10=-52(LC 12), 17=-182(LC 12), 2=-116(LC 12)
Max Grav 10=1360(LC 18), 17=1969(LC 17), 2=359(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-102/633, 4-5=-1315/135, 5-6=-1927/216, 6-7=-1927/216, 7-8=-1944/190
BOT CHORD 16-17=-1987/314, 4-16=-1681/219, 15-16=-510/54, 14-15=-72/1127, 12-14=-125/1687, 11-12=-158/1796, 10-11=-154/1804
WEBS 3-18=-22/280, 3-16=-570/143, 4-15=-118/1715, 5-15=-414/132, 5-14=-88/1023, 6-14=-546/158, 7-14=-21/408, 7-12=0/361, 8-10=-2134/177

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 30-10-0, Zone2 30-10-0 to 35-0-15, Zone1 35-0-15 to 40-6-8 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 17=182, 2=116.



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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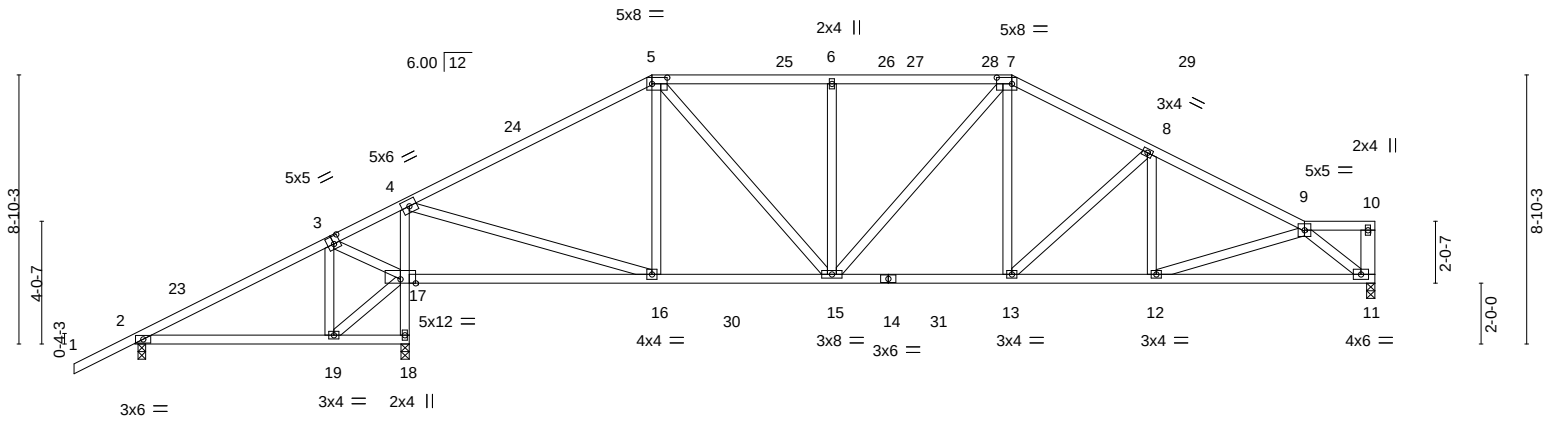
Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533895
6243112	A6	Roof Special	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 10:59:48 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-RMXiRhQTJGH9j9iB0fbYyoZtr1H_yQonnrKVHfyutK9

-2-0-0	6-4-12	9-0-4	17-0-0	22-11-0	28-10-0	33-5-4	38-5-8	40-9-4
2-0-0	6-4-12	2-7-8	7-11-12	5-11-0	5-11-0	4-7-4	5-0-4	2-3-12

Scale = 1:75.8



0-1-4	6-4-12	8-10-10	9-0-4	17-0-0	22-11-0	28-10-0	33-7-12	40-9-4
0-1-4	6-3-8	2-5-14	0-1-10	7-11-12	5-11-0	5-11-0	4-9-12	7-1-8

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.78	Vert(LL)	-0.13	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.27	16-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.04	15	>999	240	Weight: 243 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2 *Except* 10-11: 2x6 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 4-2-7 oc bracing.

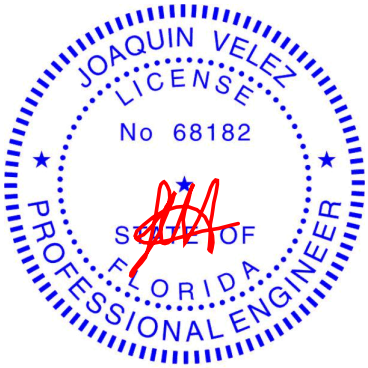
REACTIONS. (size) 11=0-3-4, 18=0-3-4, 2=0-3-0
Max Horz 2=125(LC 12)
Max Uplift 11=-52(LC 12), 18=-95(LC 12), 2=-51(LC 12)
Max Grav 11=1389(LC 18), 18=1958(LC 17), 2=413(LC 23)

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

TOP CHORD	3-4=-62/368, 4-5=-1504/172, 5-6=-1654/229, 6-7=-1654/229, 7-8=-1820/218, 8-9=-2129/195
BOT CHORD	17-18=-1976/190, 4-17=-1532/239, 15-16=-67/1283, 13-15=-93/1562, 12-13=-140/1857, 11-12=-159/1523
WEBS	3-17=-412/28, 4-16=-70/1485, 5-15=-68/632, 6-15=-405/120, 7-13=0/477, 8-13=-409/76, 9-12=0/362, 9-11=-1902/226

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 28-10-0, Zone2 28-10-0 to 33-0-15, Zone1 33-0-15 to 40-6-8 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 18, 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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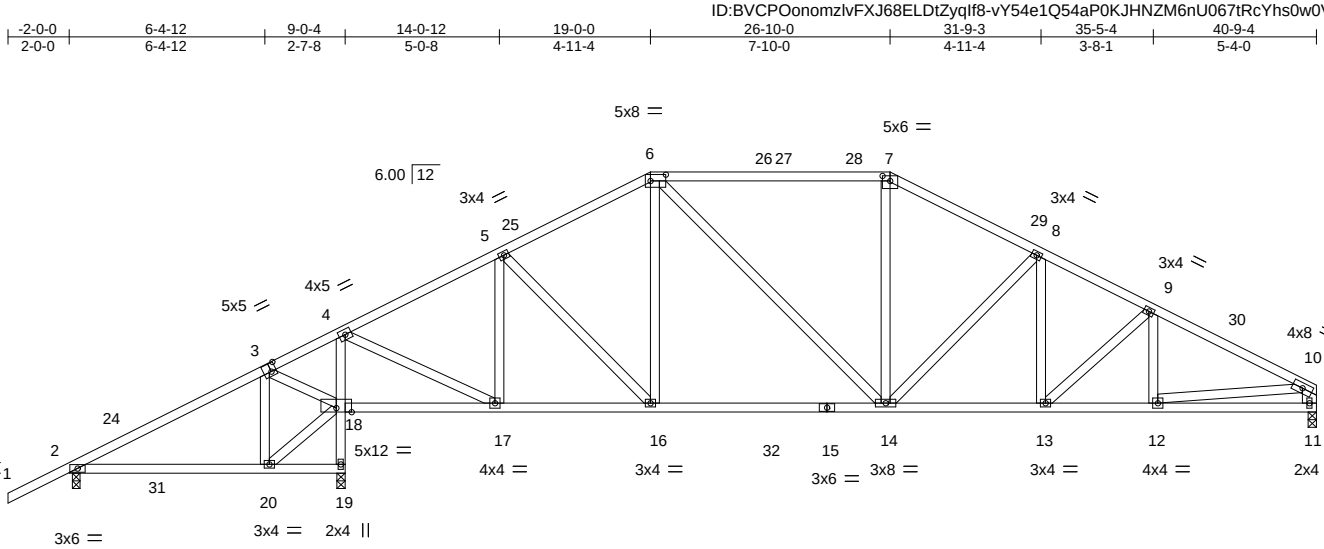
Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533896
6243112	A7	Hip	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 10:59:49 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-vY54e1Q54aP0KJHNZM6nU067tRcYhs0w0V32p6yutK8



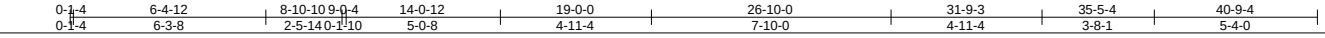


Plate Offsets (X,Y)-- [3:0-2-0,0-3-4], [6:0-6-0,0-2-8], [7:0-3-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.15	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.27	14-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.05	20-23	>999	240	Weight: 248 lb	FT = 20%

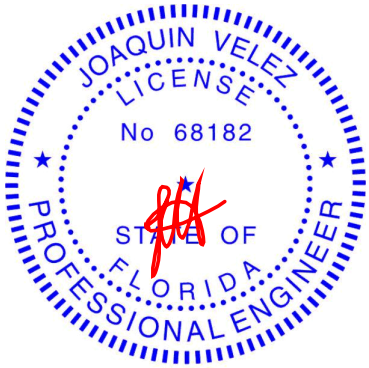
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
6-7: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
10-11: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-2-5 oc bracing.

REACTIONS. (size) 19=0-3-4, 11=0-3-4, 2=0-3-0
Max Horz 2=148(LC 11)
Max Uplift 19=-161(LC 12), 11=-53(LC 12), 2=-137(LC 12)
Max Grav 19=1955(LC 17), 11=1378(LC 18), 2=385(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-40/585, 4-5=-1199/119, 5-6=-1408/174, 6-7=-1428/196, 7-8=-1633/188, 8-9=-1967/186, 9-10=-2124/158, 10-11=-1282/126
BOT CHORD 18-19=-1972/252, 4-18=-1627/143, 17-18=-483/66, 16-17=-26/1080, 14-16=-3/1251, 13-14=-73/1701, 12-13=-97/1840, 11-12=-33/258
WEBS 3-20=-23/252, 3-18=-553/164, 4-17=-96/1642, 5-17=-547/101, 5-16=0/333, 6-14=-27/344, 7-14=0/371, 8-14=-454/82, 10-12=-72/1596

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-0-0, Zone2 19-0-0 to 23-2-15, Zone1 23-2-15 to 26-10-0, Zone2 26-10-0 to 31-0-15, Zone1 31-0-15 to 40-6-8 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 19=161, 2=137.



Joaquin Velez PE No.68182
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.
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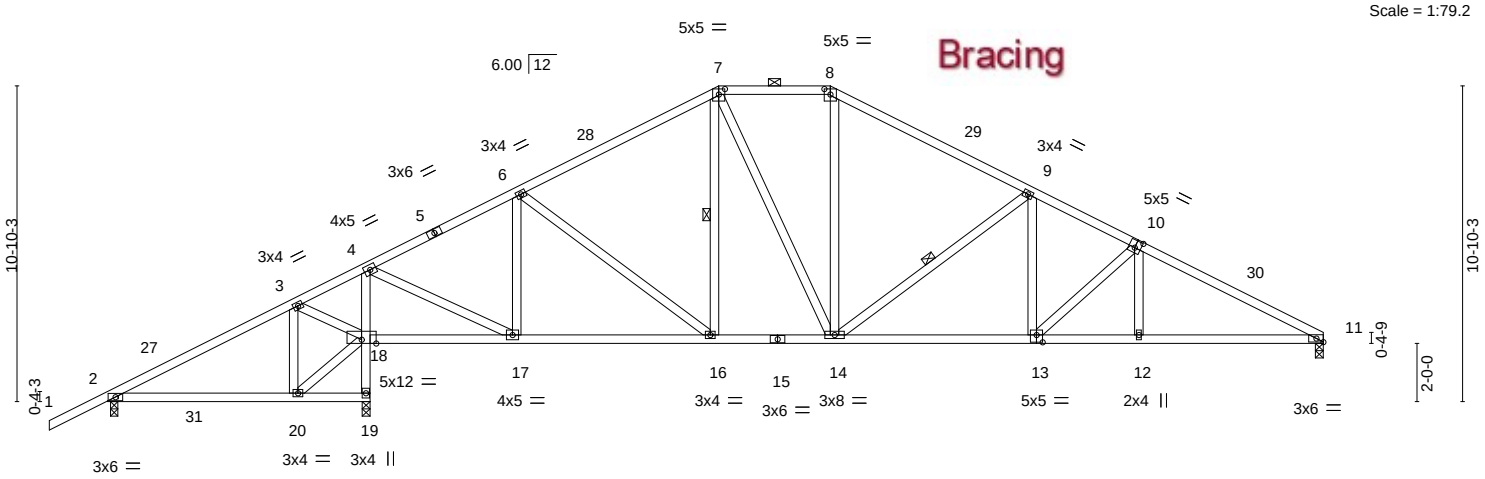
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533897
6243112	A8	Hip	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 10:59:50 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-NkfSsNRjruYtyTsa73d01DfE4rwGQJ54E9pcLYyutK7

-2-0-0	6-4-12	9-0-4	14-0-11	21-0-0	24-10-0	31-9-4	35-5-3	41-9-4
2-0-0	6-4-12	2-7-8	5-0-7	6-11-4	3-10-0	6-11-4	3-7-15	6-4-1

Scale = 1:79.2



0-1-4	4-9-6	8-10-10	9-0-4	14-0-11	21-0-0	24-10-0	31-9-4	35-5-3	41-9-4
0-1-4	4-8-2	4-1-4	0-1-10	5-0-7	6-11-4	3-10-0	6-11-4	3-7-15	6-4-1

Plate Offsets (X,Y)-- [7:0-2-8,0-2-4], [8:0-2-8,0-2-4], [10:0-2-8,0-3-0], [13:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	-0.14	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.29	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.06	13-14	>999	240	Weight: 249 lb	FT = 20%

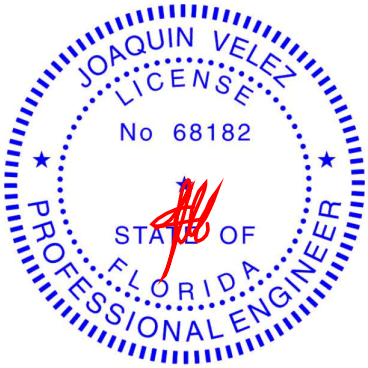
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-3 oc purlins, except 2-0-0 oc purlins (5-0-0 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 4-1-5 oc bracing.
WEBS 1 Row at midpt 7-16, 9-14

REACTIONS. (size) 19=0-3-4, 11=0-3-4, 2=0-3-0
Max Horz 2=169(LC 11)
Max Uplift 19=-160(LC 12), 11=-55(LC 12), 2=-140(LC 12)
Max Grav 19=2040(LC 17), 11=1417(LC 18), 2=365(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-96/251, 3-4=-46/756, 4-6=-1203/120, 6-7=-1429/186, 7-8=-1334/209, 8-9=-1572/194, 9-10=-2237/200, 10-11=-2598/190
BOT CHORD 18-19=-2056/250, 4-18=-1766/143, 17-18=-655/89, 16-17=-16/1107, 14-16=0/1231, 13-14=-77/1936, 12-13=-111/2253, 11-12=-110/2257
WEBS 3-20=-25/294, 3-18=-637/176, 4-17=-112/1840, 6-17=-587/129, 6-16=0/274, 7-14=-33/374, 8-14=0/412, 9-14=-807/111, 9-13=0/472, 10-13=-419/60

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 21-0-0, Zone3 21-0-0 to 24-10-0, Zone2 24-10-0 to 29-0-15, Zone1 29-0-15 to 41-9-4 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 19=160, 2=140.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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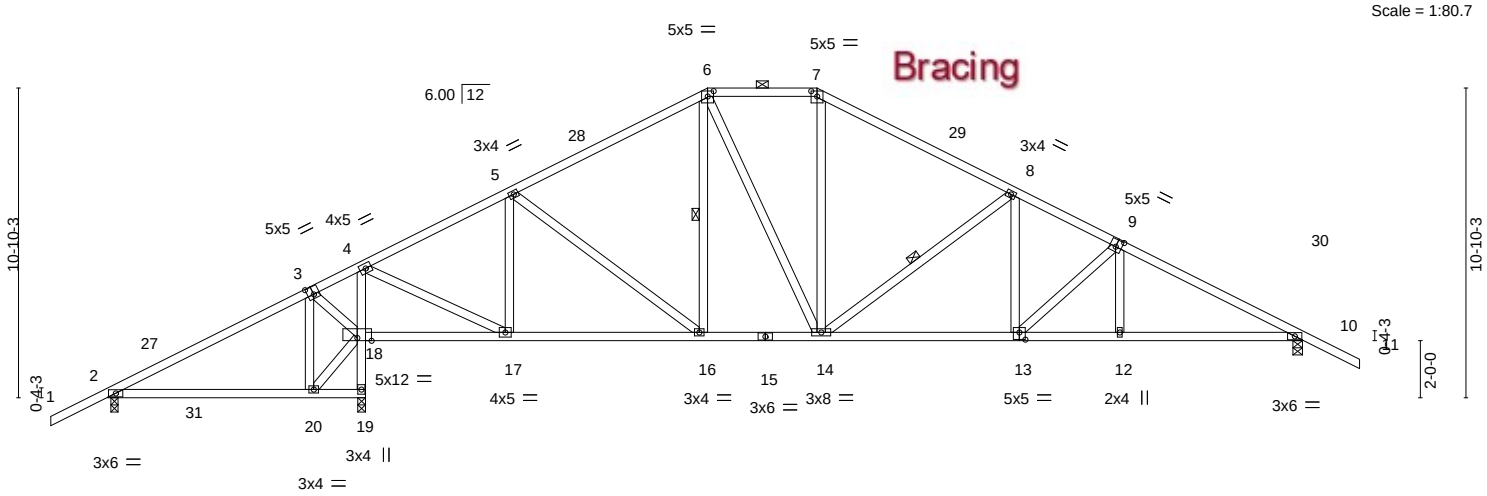
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533898
6243112	A9	Piggyback Base	4	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 10:59:51 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-rxDr3jSLbBgkacQmhn9FZRBPyFGe9mMDTpY9u_yutK6

-2-0-0	7-0-11	9-0-4	14-0-11	21-0-0	24-10-0	31-9-4	35-5-3	41-10-0	43-10-0
2-0-0	7-0-11	1-11-8	5-0-8	6-11-5	3-10-0	6-11-4	3-7-15	6-4-13	2-0-0

Scale = 1:80.7



0-1-4	4-9-6	8-10-10	9-0-4	14-0-11	21-0-0	24-10-0	31-9-4	35-5-3	41-10-0
0-1-4	4-8-2	4-1-4	0-1-10	5-0-8	6-11-5	3-10-0	6-11-4	3-7-15	6-4-13

Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [6:0-2-8,0-2-4], [7:0-2-8,0-2-4], [9:0-2-8,0-3-0], [13:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.14	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.29	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.07	20-26	>999	240	Weight: 252 lb	FT = 20%

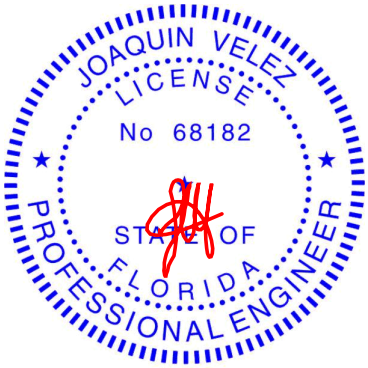
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-5 oc purlins, except 2-0-0 oc purlins (5-0-1 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 4-0-8 oc bracing.
WEBS 1 Row at midpt 6-16, 8-14

REACTIONS. (size) 19=0-3-4, 10=0-4-0, 2=0-3-0
Max Horz 2=173(LC 11)
Max Uplift 19=-141(LC 12), 10=-115(LC 12), 2=-156(LC 12)
Max Grav 19=2051(LC 17), 10=1528(LC 18), 2=362(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-59/320, 3-4=-2/729, 4-5=-1193/128, 5-6=-1425/188, 6-7=-1331/209, 7-8=-1568/193, 8-9=-2232/196, 9-10=-2589/176
BOT CHORD 18-19=-2112/250, 4-18=-1675/96, 17-18=-658/94, 16-17=0/1107, 14-16=0/1236, 13-14=-54/1928, 12-13=-82/2242, 10-12=-81/2246
WEBS 3-20=-48/403, 18-20=-261/0, 3-18=-717/200, 4-17=-89/1846, 5-17=-593/120, 5-16=0/277, 6-14=-30/373, 7-14=0/410, 8-14=-806/109, 8-13=0/469, 9-13=-414/40

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 21-0-0, Zone3 21-0-0 to 24-10-0, Zone2 24-10-0 to 29-0-15, Zone1 29-0-15 to 43-10-0 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=141, 10=115, 2=156.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533899
6243112	A10	Piggyback Base	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 10:59:36 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-n2oAwaGx8ansHJntJ7NkSG4rEC8n8_H00_QssMyutKL

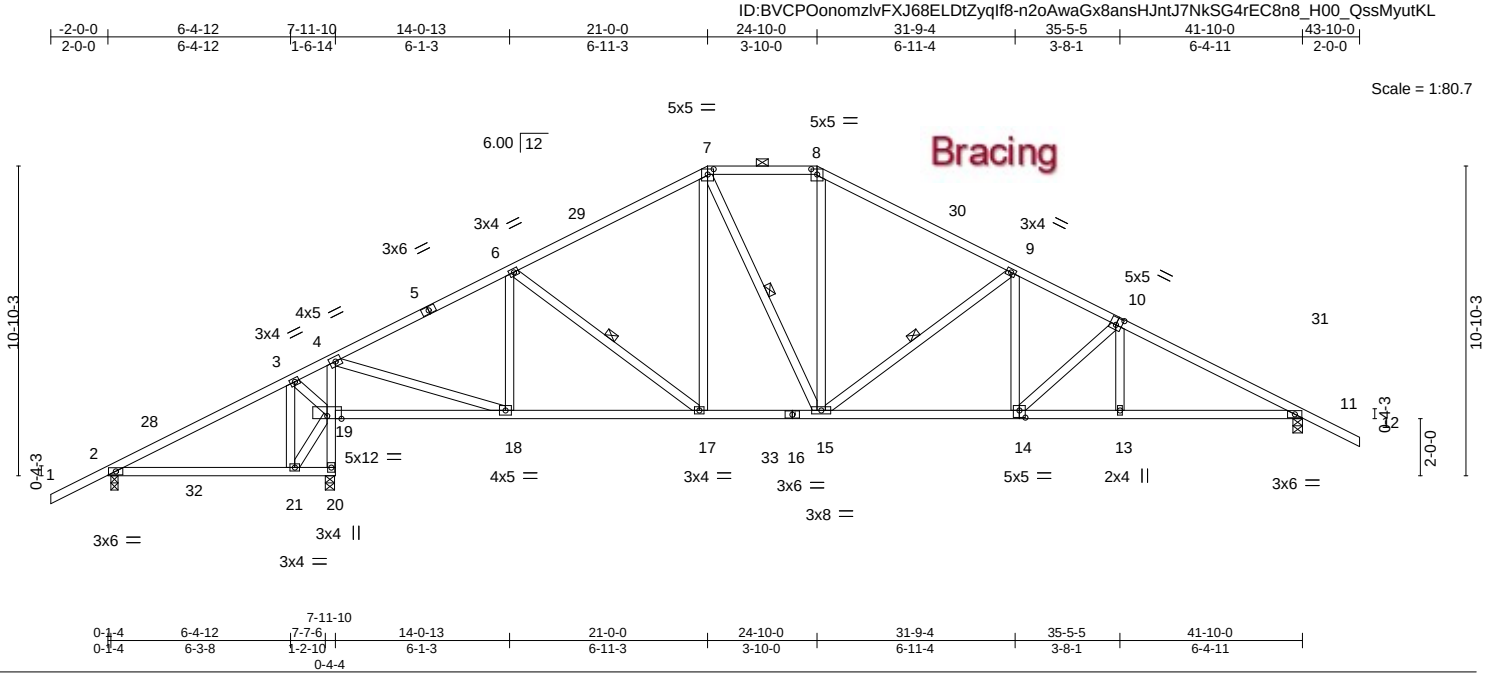


Plate Offsets (X,Y)-- [7:0-2-8,0-2-4], [8:0-2-8,0-2-4], [10:0-2-8,0-3-0], [14:0-2-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.16	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.31	14-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.06	14-15	>999	240	Weight: 251 lb	FT = 20%

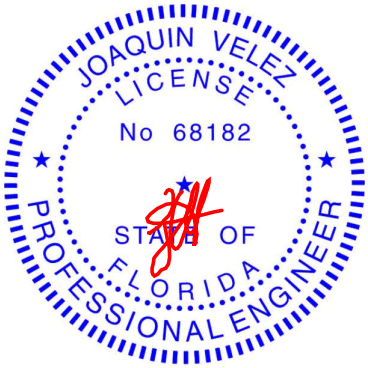
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-9-9 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 4-1-0 oc bracing.
WEBS 1 Row at midpt 6-17, 7-15, 9-15

REACTIONS. (size) 20=0-3-14, 11=0-4-0, 2=0-3-0
Max Horz 2=173(LC 11)
Max Uplift 20=-130(LC 12), 11=-117(LC 12), 2=-146(LC 12)
Max Grav 20=2005(LC 17), 11=1588(LC 18), 2=348(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-63/274, 3-4=-3/624, 4-6=-1599/148, 6-7=-1592/199, 7-8=-1451/217, 8-9=-1704/201, 9-10=-2366/204, 10-11=-2723/184
BOT CHORD 19-20=-2066/238, 4-19=-1669/120, 18-19=-508/73, 17-18=-8/1459, 15-17=0/1389, 14-15=-62/2049, 13-14=-90/2361, 11-13=-88/2365
WEBS 3-21=-41/340, 3-19=-601/166, 4-18=-82/1958, 6-18=-389/112, 7-17=0/266, 7-15=-26/328, 8-15=0/472, 9-15=-805/109, 9-14=0/468, 10-14=-412/40

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 21-0-0, Zone3 21-0-0 to 24-10-0, Zone2 24-10-0 to 29-0-15, Zone1 29-0-15 to 43-10-0 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=130, 11=117, 2=146.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533900
6243112	A11	Piggyback Base	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 10:59:36 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-n2oAwaGx8ansHJntJ7NkSG4vrC8t8vC00_QssMyutKL

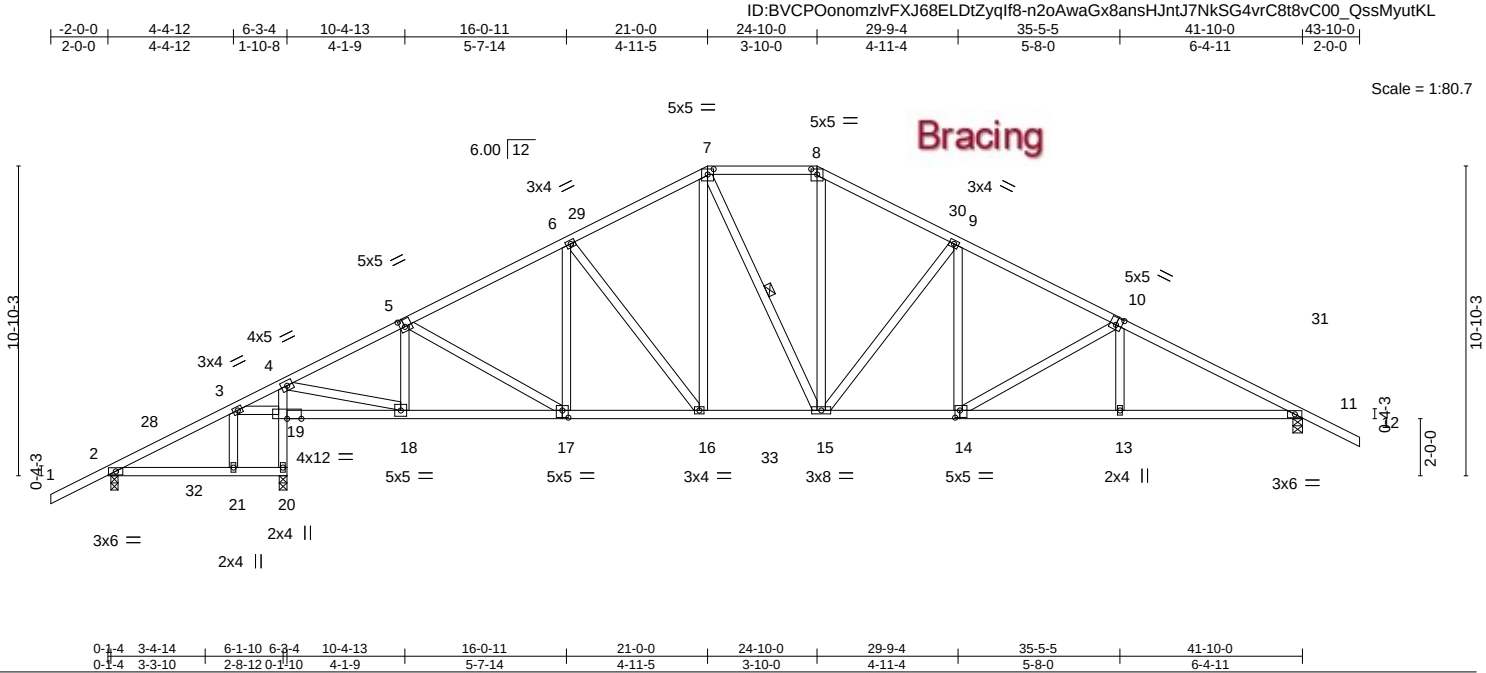


Plate Offsets (X,Y)-- [5:0-2-0,0-3-0], [7:0-2-8,0-2-4], [8:0-2-8,0-2-4], [10:0-2-8,0-3-0], [14:0-2-0,0-3-0], [17:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.14	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.27	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.07	14	>999	240	Weight: 258 lb	FT = 20%

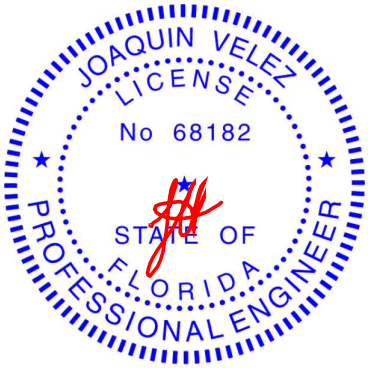
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-1-13 oc bracing.
WEBS 1 Row at midpt 7-15

REACTIONS. (size) 20=0-3-4, 11=0-4-0, 2=0-3-0
Max Horz 2=173(LC 11)
Max Uplift 20=-119(LC 12), 11=-119(LC 12), 2=-126(LC 12)
Max Grav 20=1975(LC 17), 11=1675(LC 18), 2=294(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-153/714, 4-5=-1917/127, 5-6=-2066/186, 6-7=-1804/218, 7-8=-1609/223, 8-9=-1867/222, 9-10=-2365/209, 10-11=-2936/192
BOT CHORD 19-20=-1983/197, 4-19=-1867/200, 18-19=-499/161, 17-18=-23/1755, 16-17=-14/1872, 15-16=0/1597, 14-15=-43/2025, 13-14=-100/2554, 11-13=-98/2559
WEBS 3-19=-534/199, 4-18=-178/2281, 5-18=-416/106, 6-16=-428/77, 7-16=-8/512, 8-15=-19/599, 9-15=-737/100, 9-14=0/490, 10-14=-613/66

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 21-0-0, Zone3 21-0-0 to 24-10-0, Zone2 24-10-0 to 29-0-15, Zone1 29-0-15 to 43-10-0 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=119, 11=119, 2=126.



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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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533901
6243112	A12	Hip	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 10:59:37 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-kRwwLGIBfC1aWdxGQYQCYh9Cv?qVctcJUlvzwFyutKJ

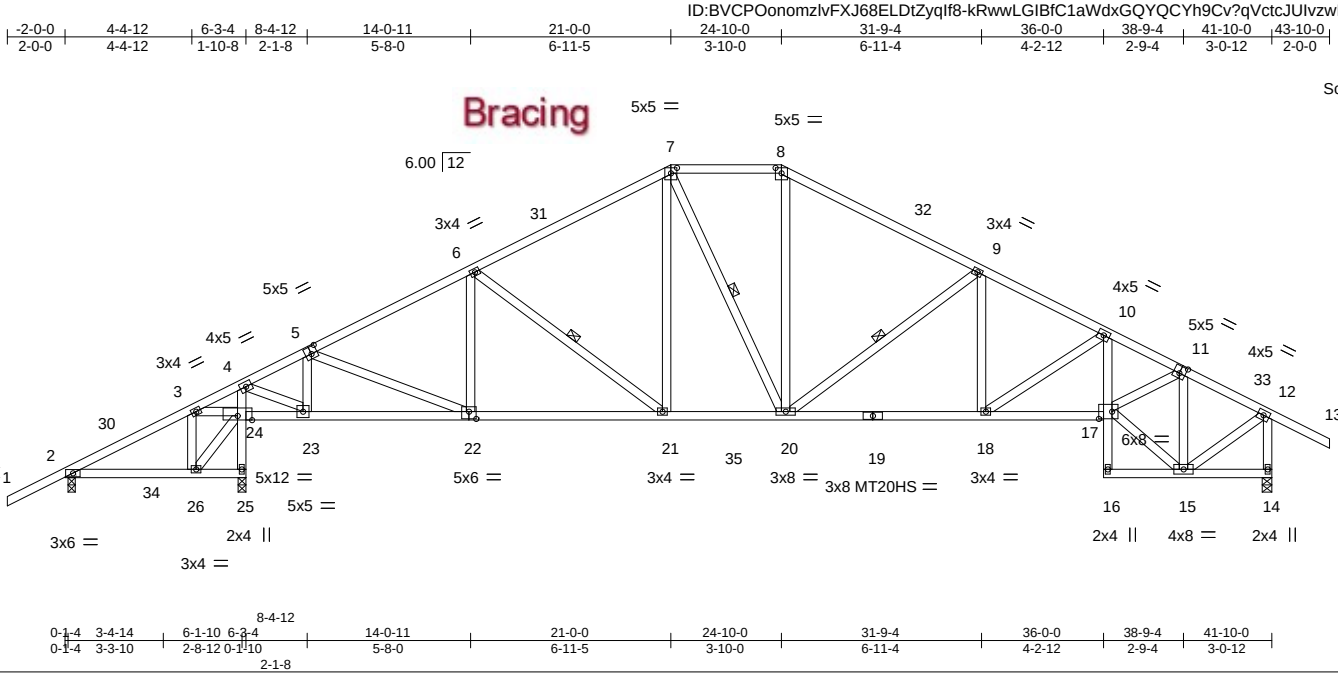


Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [7:0-2-8,0-2-4], [8:0-2-8,0-2-4], [11:0-2-8,0-3-0], [17:0-5-8,0-3-0], [22:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.16	18-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.31	18-20	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.16	14	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.06	18-20	>999	240	Weight: 277 lb	FT = 20%

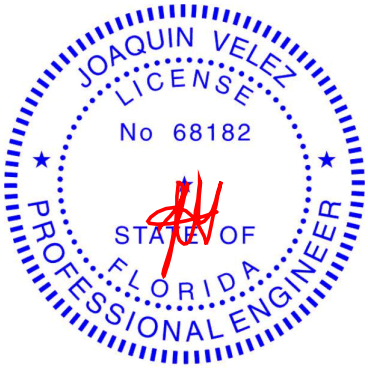
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-0-14 oc bracing.
WEBS 1 Row at midpt 6-21, 7-20, 9-20

REACTIONS. (size) 25=0-3-4, 14=0-4-0, 2=0-3-0
Max Horz 2=219(LC 11)
Max Uplift 25=-90(LC 12), 14=-126(LC 12), 2=-151(LC 12)
Max Grav 25=2047(LC 17), 14=1664(LC 18), 2=255(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-72/364, 3-4=-91/1214, 4-5=-1216/122, 5-6=-2041/185, 6-7=-1788/212, 7-8=-1577/225, 8-9=-1848/211, 9-10=-2472/201, 10-11=-2973/198, 11-12=-1327/131, 12-14=-1612/190
BOT CHORD 24-25=-2049/211, 4-24=-2172/148, 23-24=-1015/123, 22-23=-45/1190, 21-22=-72/1886, 20-21=-6/1581, 18-20=-79/2182, 17-18=-118/2647, 10-17=0/394
WEBS 3-26=-10/319, 24-26=-291/0, 3-24=-849/149, 4-23=-141/2319, 5-23=-842/110, 5-22=-28/752, 6-21=-371/82, 7-21=0/433, 7-20=-82/263, 8-20=0/548, 9-20=-796/100, 9-18=0/398, 10-18=-565/44, 15-17=-60/1463, 11-17=-78/1670, 11-15=-1656/111, 12-15=-55/1376

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 21-0-0, Zone3 21-0-0 to 24-10-0, Zone2 24-10-0 to 29-0-15, Zone1 29-0-15 to 43-10-0 zone; cantilever left and right exposed ; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25 except (jt=lb) 14=126, 2=151.



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

Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533902
6243112	A13	Hip	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 10:59:38 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-kRwwLGIBfC1aWdxGQYQCYh9D4?tQcpfJUlvzwEyutKJ

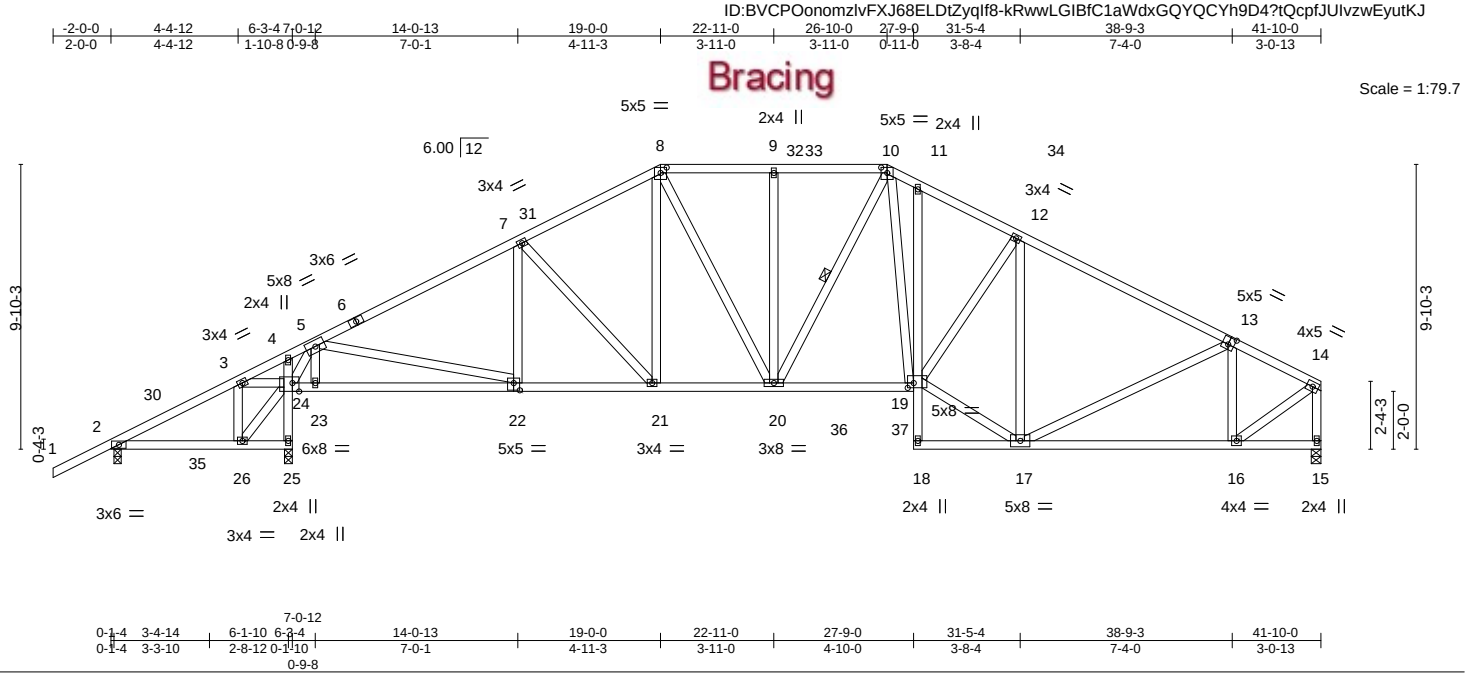


Plate Offsets (X,Y)-- [8:0-2-8,0-2-4], [10:0-2-8,0-2-4], [13:0-2-8,0-3-0], [19:0-2-8,0-2-0], [22:0-2-8,0-3-0], [24:0-2-12,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.12	19-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.23	19-20	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.09	15	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.05	19-20	>999	240	Weight: 297 lb	FT = 20%

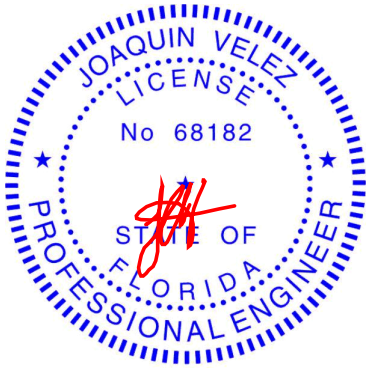
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-1-7 oc bracing.
WEBS 1 Row at midpt 10-20

REACTIONS. (size) 25=0-3-4, 15=0-4-0, 2=0-3-0
Max Horz 2=199(LC 11)
Max Uplift 25=-114(LC 12), 15=-62(LC 12), 2=-131(LC 12)
Max Grav 25=2022(LC 17), 15=1555(LC 18), 2=254(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-66/317, 3-4=-119/999, 4-5=-142/1007, 5-7=-2068/177, 7-8=-1870/216, 8-9=-1770/224, 9-10=-1770/224, 10-11=-2043/246, 11-12=-2117/233, 12-13=-1873/194, 13-14=-1408/123, 14-15=-1545/106
BOT CHORD 24-25=-2024/237, 23-24=-36/564, 22-23=-36/564, 21-22=-112/1863, 20-21=-66/1663, 19-20=-75/1737, 16-17=-110/1239
WEBS 3-26=-14/277, 3-24=-692/147, 5-24=-2527/208, 5-23=0/264, 5-22=-75/1329, 7-21=-281/66, 8-21=-2/336, 8-20=-27/430, 9-20=-261/83, 10-19=-62/695, 17-19=-100/1808, 12-19=0/484, 12-17=-830/120, 13-17=0/398, 13-16=-689/141, 14-16=-104/1532

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-0-0, Zone2 19-0-0 to 23-2-15, Zone1 23-2-15 to 26-10-0, Zone2 26-10-0 to 31-0-15, Zone1 31-0-15 to 41-8-4 zone; cantilever left and right exposed ; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 25=114, 2=131.



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MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

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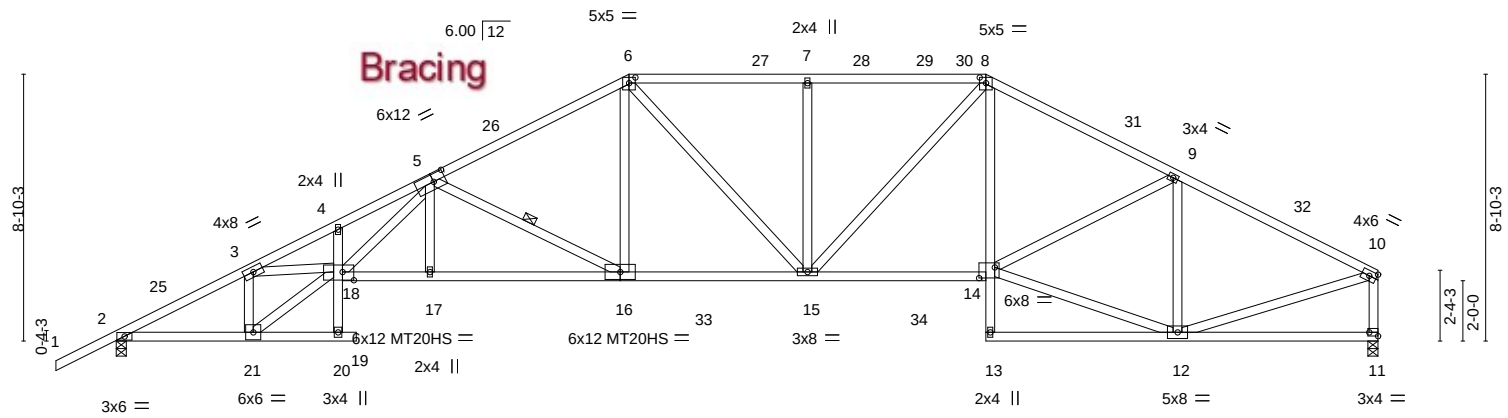
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533903
6243112	A14	Hip	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 10:59:39 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-CdUIYcJpQV9R8mWS_GxR4viJ8P8BLFzSjyeWThyutKI

-2-0-0	4-4-12	6-3-4	10-4-12	17-0-0	22-11-0	28-10-0	35-2-4	41-10-0
2-0-0	4-4-12	1-10-8	4-1-8	6-7-3	5-11-0	5-11-0	6-4-4	6-7-12

Scale = 1:76.4



4-4-12	6-3-4	7-6-0	10-4-12	17-0-0	22-11-0	28-10-0	35-2-4	41-10-0
4-4-12	1-10-8	1-2-12	2-10-12	6-7-3	5-11-0	5-11-0	6-4-4	6-7-12

Plate Offsets (X,Y)-- [5:0-4-12,0-3-0], [6:0-2-8,0-2-4], [8:0-2-8,0-2-4], [11:Edge,0-1-8], [14:0-6-4,0-4-4], [18:0-4-8,0-3-4]

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	0.91	Vert(LL)	-0.44	19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.81	19	>617	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.43	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.22	19	>999	240	Weight: 267 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 16-18: 2x4 SP M 31 or 2x4 SP SS
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 10-0-0 oc bracing: 18-20
WEBS	1 Row at midpt 5-16

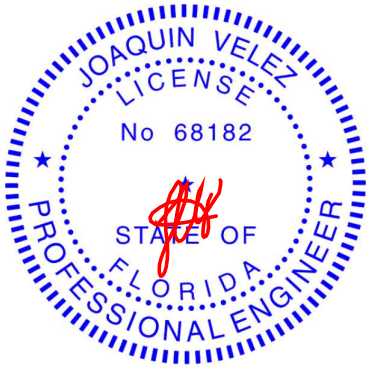
REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=136(LC 11)
Max Uplift 2=-124(LC 12), 11=-71(LC 12)
Max Grav 2=1994(LC 17), 11=1853(LC 18)

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

TOP CHORD	2-3=-3711/208, 3-4=-7290/445, 4-5=-7264/461, 5-6=-3391/272, 6-7=-2966/281, 7-8=-2967/281, 8-9=-2994/261, 9-10=-2256/176, 10-11=-1750/160
BOT CHORD	2-21=-203/3364, 17-18=-263/4688, 16-17=-264/4684, 15-16=-109/2958, 14-15=-92/2622, 8-14=0/662
WEBS	3-21=-2094/182, 18-21=-235/3839, 3-18=-170/3188, 5-18=-149/2743, 5-17=0/261, 5-16=-1891/174, 6-16=-5/1128, 6-15=-30/321, 7-15=-397/112, 8-15=-34/618, 12-14=-113/2039, 9-14=0/793, 9-12=-1043/159, 10-12=-103/1972

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 28-10-0, Zone2 28-10-0 to 33-0-15, Zone1 33-0-15 to 41-8-4 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) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=124.



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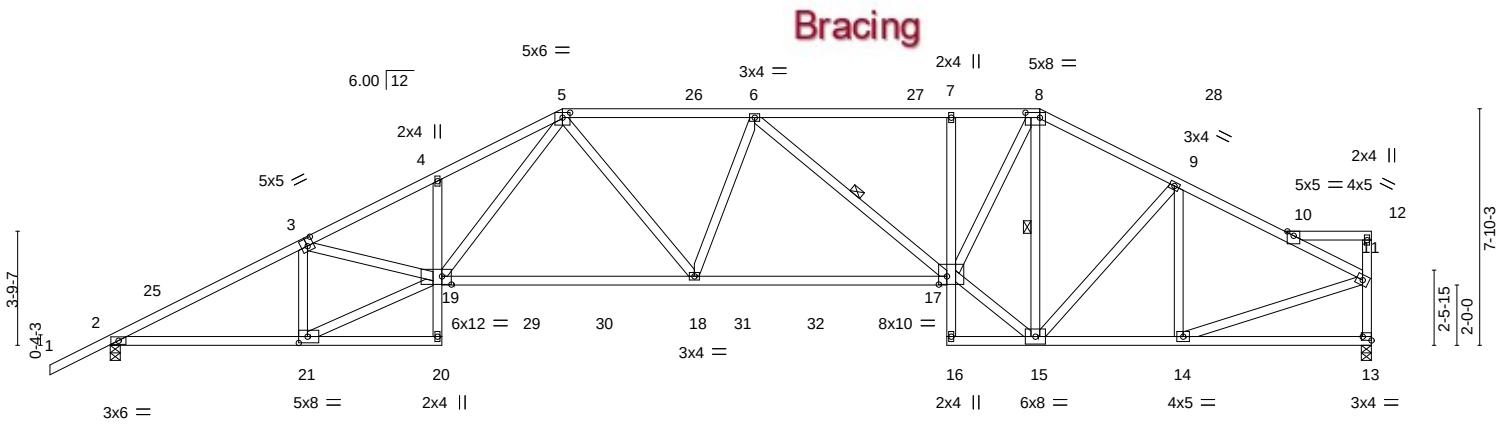
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533904
6243112	A15	Roof Special	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 10:59:40 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-gp2gmyJSBpHIlw5fYzSgd6EY7pTq4jAcxcO4?7yutKH

-2-0-0	6-4-12	10-5-7	15-0-0	21-4-8	27-9-0	30-10-0	35-5-5	38-11-8	41-10-0
2-0-0	6-4-12	4-0-11	4-6-9	6-4-8	6-4-8	3-1-0	4-7-5	3-6-3	2-10-8

Scale = 1:76.4



6-4-12	11-0-0	19-4-8	27-9-0	30-10-0	35-5-5	41-10-0
6-4-12	4-7-4	8-4-8	8-4-8	3-1-0	4-7-5	6-4-11

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-3-0,0-2-0], [8:0-5-12,0-2-0], [13:Edge,0-1-8], [17:0-3-4,0-3-4], [19:0-3-12,0-3-4], [21:0-3-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	-0.43	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.79	18-19	>631	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.31	13	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.18	18-19	>999	240	Weight: 269 lb	FT = 20%

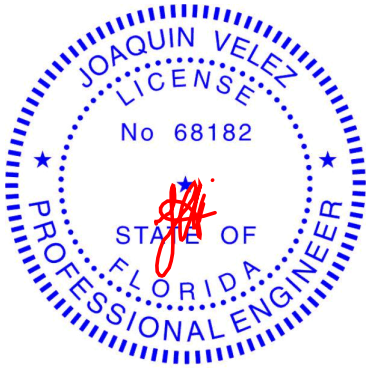
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
17-19: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 15-16.
WEBS 1 Row at midpt 6-17, 8-15

REACTIONS. (size) 13=0-4-0, 2=0-4-0
Max Horz 2=119(LC 12)
Max Uplift 13=-75(LC 12), 2=-127(LC 12)
Max Grav 13=1825(LC 18), 2=1983(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3605/262, 3-4=-4908/437, 4-5=-4948/507, 5-6=-3520/339, 6-7=-3073/332, 7-8=-3048/331, 8-9=-2250/252, 9-10=-2125/184, 10-11=-2188/188, 11-13=-1719/173
BOT CHORD 2-21=-287/3230, 18-19=-264/3249, 17-18=-268/3537, 7-17=-300/111, 14-15=-151/1899
WEBS 3-21=-1239/191, 19-21=-303/3527, 3-19=-94/1165, 5-19=-196/1946, 5-18=0/620, 6-17=-598/55, 15-17=-149/2352, 8-17=-197/2443, 8-15=-1325/122, 9-14=-441/125, 11-14=-148/1894

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 30-10-0, Zone2 30-10-0 to 35-0-15, Zone1 35-0-15 to 41-8-4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 2=127.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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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16023 Swingley Ridge Rd.
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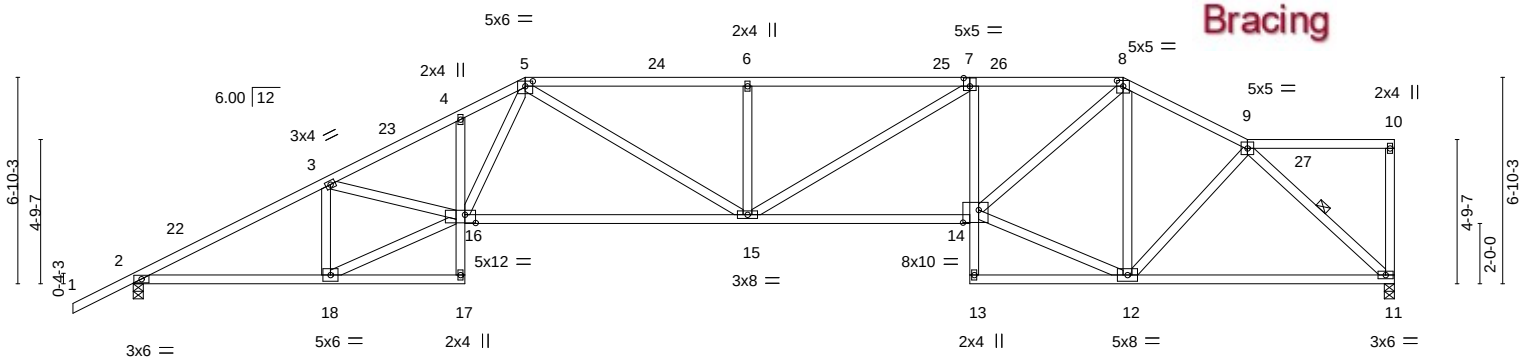
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533905
6243112	A16	Roof Special	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 10:59:41 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqlf8-80c3zIK4y7P9N4fr5gzv9KnirDrQpBWlAF7dXZyutKG

-2-0-0	6-4-12	11-0-0	13-0-0	20-4-8	27-9-0	32-10-0	36-11-8	41-10-0
2-0-0	6-4-12	4-7-4	2-0-0	7-4-8	7-4-8	5-1-0	4-1-8	4-10-8

Scale = 1:76.4



6-4-12	11-0-0	20-4-8	27-9-0	32-10-0	41-10-0
6-4-12	4-7-4	9-4-8	7-4-8	5-1-0	9-0-0

Plate Offsets (X,Y)-- [5:0-3-0,0-2-0], [7:0-2-8,0-3-4], [8:0-2-8,0-2-4], [14:0-6-4,0-5-0], [16:0-4-4,0-3-4]

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	0.70	Vert(LL)	-0.31	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.76	15-16	>655	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.32	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.19	15-16	>999	240	Weight: 255 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 5-7: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD	2x4 SP No.2 *Except* 14-16: 2x4 SP M 31 or 2x4 SP SS
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 9-11

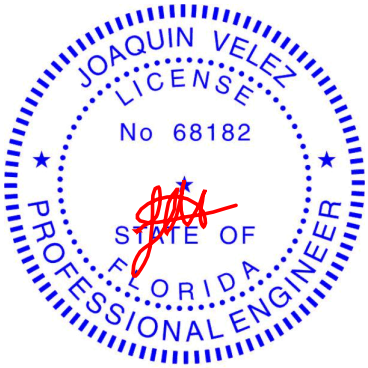
REACTIONS. (size) 11=0-4-0, 2=0-4-0
Max Horz 2=143(LC 12)
Max Uplift 11=-77(LC 12), 2=-125(LC 12)
Max Grav 11=1665(LC 1), 2=1790(LC 1)

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

TOP CHORD	2-3=-3226/264, 3-4=-4354/445, 4-5=-4313/486, 5-6=-3900/393, 6-7=-3900/393, 7-8=-3548/385, 8-9=-2060/219
BOT CHORD	2-18=-315/2818, 15-16=-340/3263, 14-15=-340/3596, 7-14=-621/129, 11-12=-176/1545
WEBS	3-18=-1135/202, 16-18=-327/3051, 3-16=-99/1047, 5-16=-143/1368, 5-15=-30/900, 6-15=-482/149, 7-15=-13/442, 12-14=-164/1938, 8-14=-232/2312, 8-12=-887/153, 9-12=0/454, 9-11=-2097/250

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 32-10-0, Zone3 32-10-0 to 36-11-8, Zone1 36-11-8 to 41-8-4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=125.



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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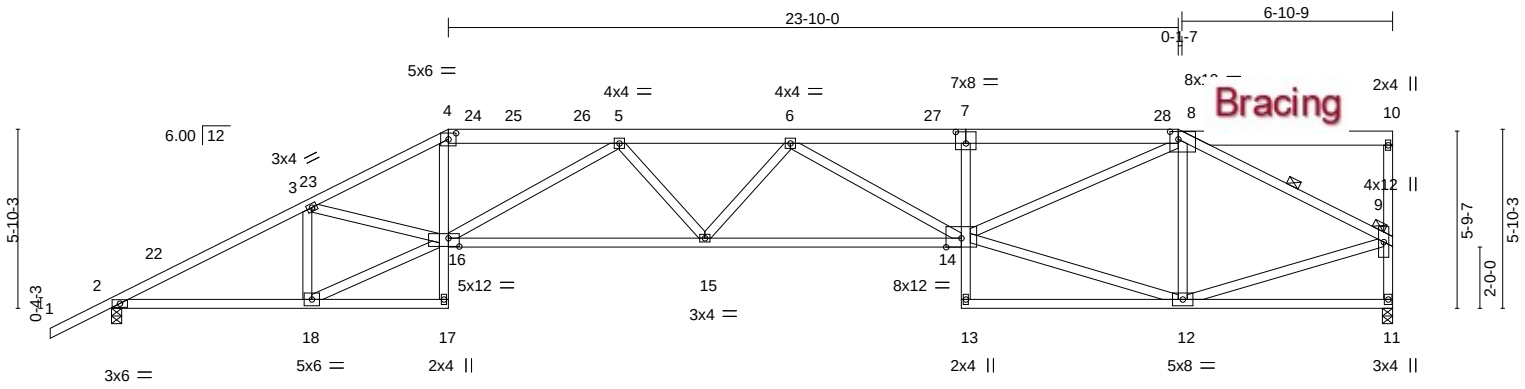
Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533906
6243112	A17	Hip	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 10:59:41 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-80c3zIK4y7P9N4fr5gzv9KnjLDs8p7LlAF7dXZyutKG

-2-0-0	6-4-12	11-0-0	16-7-0	22-2-0	27-9-0	34-10-0	41-10-0
2-0-0	6-4-12	4-7-4	5-7-0	5-7-0	5-7-0	7-1-0	7-0-0

Scale = 1:75.2



6-4-12	11-0-0	19-4-8	27-9-0	34-10-0	41-10-0
6-4-12	4-7-4	8-4-8	8-4-8	7-1-0	7-0-0

Plate Offsets (X,Y)-- [4:0-3-0,0-2-7], [7:0-4-0,0-4-8], [8:0-3-4,0-3-0], [16:0-4-4,0-3-4]

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	0.67	Vert(LL)	-0.41	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.87	14-15	>576	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.37	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.25	15	>999	240	Weight: 279 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 1-4,8-9: 2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 14-16: 2x4 SP M 31 or 2x4 SP SS
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-5-12 oc purlins, except end verticals. Except: 1 Row at midpt 8-9
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

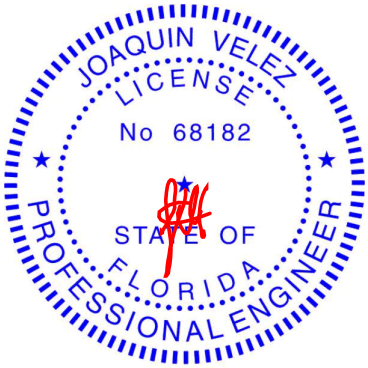
REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=165(LC 12)
Max Uplift 2=-122(LC 12), 11=-79(LC 12)
Max Grav 2=1790(LC 1), 11=1665(LC 1)

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

TOP CHORD	2-3=-3224/202, 3-4=-4375/348, 4-5=-3834/329, 5-6=-4957/327, 6-7=-4480/306, 7-8=-4448/310, 8-9=-1985/124, 9-11=-1606/138
BOT CHORD	2-18=-272/2816, 4-16=-67/1642, 15-16=-380/4783, 14-15=-365/4973, 7-14=-328/109
WEBS	3-18=-1126/184, 16-18=-284/3030, 3-16=-80/1099, 5-16=-1222/79, 5-15=0/367, 6-14=-609/71, 12-14=-103/1724, 8-14=-228/2977, 8-12=-869/162, 9-12=-124/1836

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 41-8-4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=122.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Joaquin Velez PE No.68182
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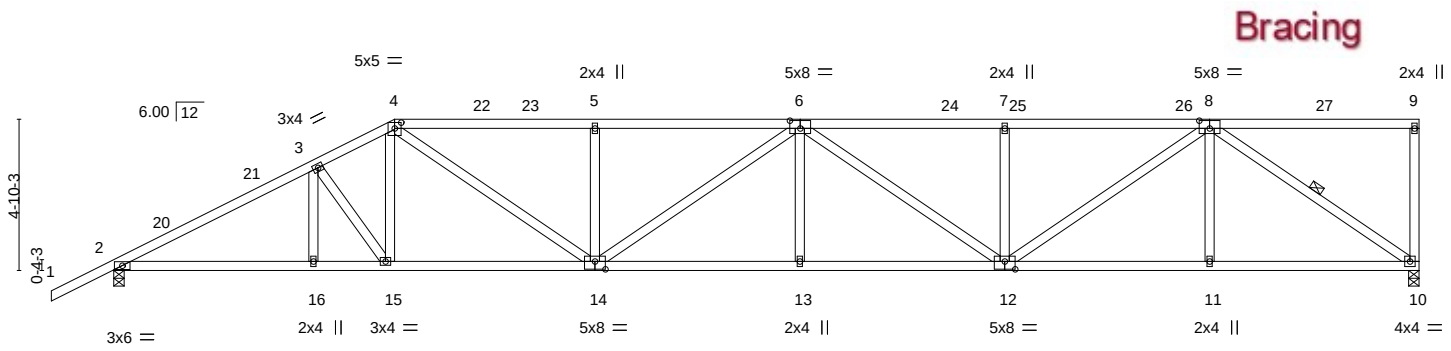
Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533907
6243112	A18	Half Hip	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 10:59:42 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-cCARAeLijQX0?EE1fOU8iXKrhd9xYdsuPvtB30yutKF

-2-0-0	6-4-12	9-0-0	15-5-1	21-11-14	28-6-10	35-1-7	41-10-0
2-0-0	6-4-12	2-7-3	6-5-1	6-6-13	6-6-13	6-6-13	6-8-9

Scale = 1:73.8



6-4-12	9-0-0	15-5-1	21-11-14	28-6-10	35-1-7	41-10-0
6-4-12	2-7-3	6-5-1	6-6-13	6-6-13	6-6-13	6-8-9

Plate Offsets (X,Y)-- [4:0-2-8,0-2-4], [6:0-4-0,0-3-0], [8:0-4-0,0-3-0], [12:0-4-0,0-3-0], [14:0-4-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	-0.32	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.66	13-14	>761	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.19	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.19	13-14	>999	240	Weight: 234 lb	FT = 20%

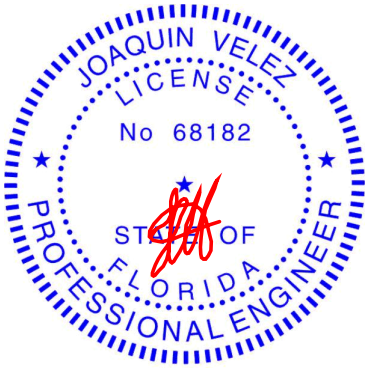
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 13-14,12-13.
WEBS 1 Row at midpt 8-10

REACTIONS. (size) 10=0-4-0, 2=0-4-0
Max Horz 2=144(LC 12)
Max Uplift 10=-77(LC 12), 2=-125(LC 12)
Max Grav 10=1665(LC 1), 2=1790(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3213/211, 3-4=-2956/226, 4-5=-3604/257, 5-6=-3604/257, 6-7=-3340/214, 7-8=-3340/214
BOT CHORD 2-16=-257/2803, 15-16=-257/2803, 14-15=-212/2588, 13-14=-256/3847, 12-13=-256/3847, 11-12=-134/2090, 10-11=-134/2090
WEBS 3-15=-338/74, 4-15=-4/384, 4-14=-66/1308, 5-14=-418/123, 6-14=-361/15, 6-13=0/261, 6-12=-617/51, 7-12=-385/105, 8-12=-101/1521, 8-11=0/283, 8-10=-2512/160

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 41-8-4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 2=125.



Joaquin Velez PE No.68182
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 25,2024

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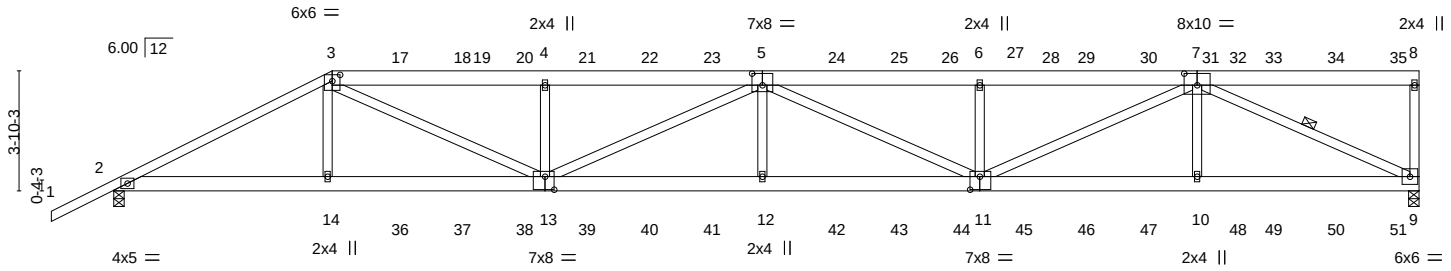
Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533908
6243112	A19	HALF HIP GIRDER	1	2	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 10:59:45 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-1nrZpfNa0LvbshzcKW2rKAyNnqDUlzeL5t5rgKyutKC

-2-0-0	7-0-0	13-9-14	20-9-7	27-9-1	34-8-10	41-10-0
2-0-0	7-0-0	6-9-14	6-11-10	6-11-10	6-11-10	7-1-6

Scale = 1:73.8

Bracing



7-0-0	13-9-14	20-9-7	27-9-1	34-8-10	41-10-0
7-0-0	6-9-14	6-11-10	6-11-10	6-11-10	7-1-6

Plate Offsets (X,Y)-- [3:0-3-0,0-2-7], [5:0-4-0,0-4-8], [7:0-5-0,0-4-8], [11:0-3-12,0-5-0], [13:0-3-8,0-5-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	-0.37	12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.75	12	>671	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.15	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.23	12	>999	240	Weight: 550 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 1-3: 2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 11-13: 2x6 SP DSS
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-10-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 7-9

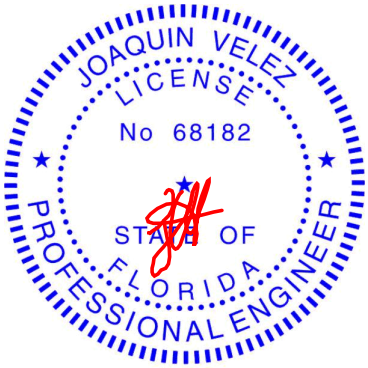
REACTIONS. (size) 9=0-4-0, 2=0-4-0
Max Horz 2=119(LC 27)
Max Uplift 9=-210(LC 8), 2=-165(LC 8)
Max Grav 9=3751(LC 1), 2=3427(LC 1)

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

TOP CHORD	2-3=-7003/207, 3-4=-9874/416, 4-5=-9869/414, 5-6=-9846/441, 6-7=-9846/441, 8-9=-549/153
BOT CHORD	2-14=-208/6193, 13-14=-217/6166, 12-13=-488/11099, 11-12=-488/11099, 10-11=-287/6269, 9-10=-287/6269
WEBS	3-14=0/761, 3-13=-222/4220, 4-13=-954/252, 5-13=-1388/82, 5-12=0/585, 5-11=-1393/52, 6-11=-787/226, 7-11=-172/3977, 7-10=0/628, 7-9=-6879/315

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=210, 2=165.



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July 25,2024

Continued on page 2

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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 240 lb down and 156 lb up at 7-0-0, 117 lb down and 73 lb up at 9-0-12, 117 lb down and 73 lb up at 11-0-12, 117 lb down and 73 lb up at 13-0-12, 117 lb down and 73 lb up at 15-0-12, 117 lb down and 73 lb up at 17-0-12, 117 lb down and 73 lb up at 19-0-12, 117 lb down and 73 lb up at 21-0-12, 117 lb down and 73 lb up at 23-0-12, 117 lb down and 73 lb up at 25-0-12, 117 lb down and 73 lb up at 27-0-12, 117 lb down and 73 lb up at 29-0-12, 117 lb down and 73 lb up at 31-0-12, 117 lb down and 73 lb up at 33-0-12, 117 lb down and 73 lb up at 35-0-12, 117 lb down and 73 lb up at 37-0-12, 117 lb down and 73 lb up at 39-0-12, and 128 lb down and 69 lb up at 41-0-12, and 149 lb down and 61 lb up at 41-8-4 on top chord, and 310 lb down at 7-0-0, 87 lb down at 9-0-12, 87 lb down at 11-0-12, 87 lb down at 13-0-12, 87 lb down at 15-0-12, 87 lb down at 17-0-12, 87 lb down at 19-0-12, 87 lb down at 21-0-12, 87 lb down at 23-0-12, 87 lb down at 25-0-12, 87 lb down at 27-0-12, 87 lb down at 29-0-12, 87 lb down at 31-0-12, 87 lb down at 33-0-12, 87 lb down at 35-0-12, 87 lb down at 37-0-12, and 87 lb down at 39-0-12, and 94 lb down at 41-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-8=-60, 2-9=-20
   Concentrated Loads (lb)
   Vert: 3=-193(F) 8=-149(F) 14=-303(F) 5=-117(F) 12=-64(F) 17=-117(F) 18=-117(F) 20=-117(F) 21=-117(F) 22=-117(F) 23=-117(F) 24=-117(F) 25=-117(F) 27=-117(F) 28=-117(F) 29=-117(F) 30=-117(F) 32=-117(F) 33=-117(F) 34=-117(F) 35=-128(F) 36=-64(F) 37=-64(F) 38=-64(F) 39=-64(F) 40=-64(F) 41=-64(F) 42=-64(F) 43=-64(F) 44=-64(F) 45=-64(F) 46=-64(F) 47=-64(F) 48=-64(F) 49=-64(F) 50=-64(F) 51=-67(F)

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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533909
6243112	B1	Common	9	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 10:59:51 2024 Page 1
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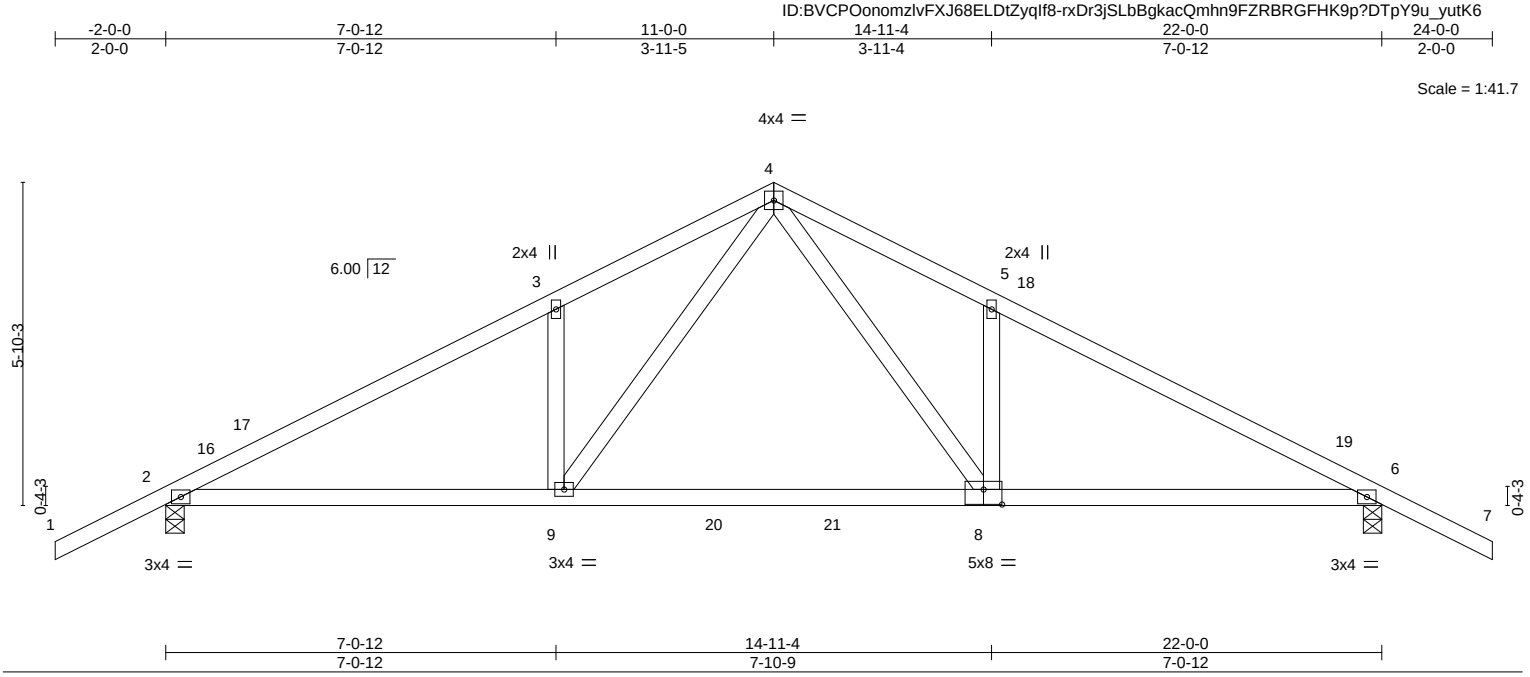


Plate Offsets (X,Y)-- [8:0-4-0,0-3-4]

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	0.58	Vert(LL)	-0.10	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.46	8-9	>568	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.03	8-15	>999	240	Weight: 105 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

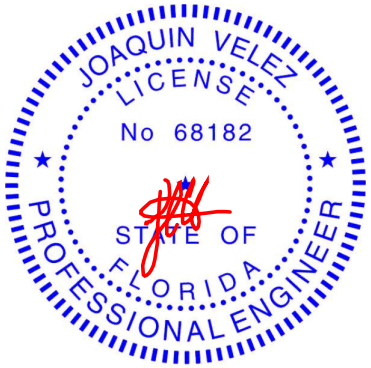
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 6=0-4-0
Max Horz 2=107(LC 11)
Max Grav 2=1316(LC 17), 6=1313(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2179/0, 3-4=-2184/0, 4-5=-2156/0, 5-6=-2166/0
BOT CHORD 2-9=0/1951, 8-9=0/1302, 6-8=0/1869
WEBS 4-8=0/1102, 5-8=-342/188, 4-9=0/1118, 3-9=-347/192

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 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 24-0-0 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, with BCDL = 10.0psf.
6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 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: 1-4=-60, 4-7=-60, 9-10=-20, 8-9=-80, 8-13=-20
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-7=-50, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-20, 9-10=-40, 8-9=-100, 8-13=-40
4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60



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Continued on page 2

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LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-2=47, 2-16=32, 4-16=18, 4-18=26, 6-18=18, 6-7=13, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-55, 2-16=-40, 4-16=-26, 4-18=35, 6-18=26, 6-7=21

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=13, 2-17=18, 4-17=26, 4-19=18, 6-19=32, 6-7=47, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-21, 2-17=-26, 4-17=-35, 4-19=26, 6-19=40, 6-7=55

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=-28, 9-10=-20, 8-9=-80, 8-13=-20
Horz: 1-2=-12, 2-4=13, 4-6=-13, 6-7=-8

7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-28, 2-4=-33, 4-6=-33, 6-7=-8, 9-10=-20, 8-9=-80, 8-13=-20
Horz: 1-2=8, 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, 9-10=-12, 8-9=-72, 8-13=-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, 9-10=-12, 8-9=-72, 8-13=-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, 9-10=-20, 8-9=-80, 8-13=-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, 9-10=-20, 8-9=-80, 8-13=-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, 9-10=-12, 8-9=-72, 8-13=-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, 9-10=-12, 8-9=-72, 8-13=-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, 9-10=-20, 8-9=-80, 8-13=-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, 9-10=-20, 8-9=-80, 8-13=-20
Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4

16) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-20, 9-10=-40, 9-20=-100, 20-21=-120, 8-21=-100, 8-13=-40

17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-4=-56, 4-6=-44, 6-7=-40, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
Horz: 1-2=3, 2-4=6, 4-6=6, 6-7=10

18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-4=-44, 4-6=-56, 6-7=-53, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
Horz: 1-2=-10, 2-4=-6, 4-6=-6, 6-7=-3

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 6-7=-47, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
Horz: 1-2=-3, 2-4=1, 4-6=-1, 6-7=3

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 6-7=-47, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
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, 9-10=-12, 8-9=-72, 8-13=-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

Continued on page 3

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=8, 4-7=8, 9-10=-12, 8-9=-72, 8-13=-12

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

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

Uniform Loads (plf)

Vert: 1-4=-60, 4-7=-20, 9-10=-20, 8-9=-80, 8-13=-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, 9-10=-20, 8-9=-80, 8-13=-20

25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-50, 4-7=-20, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35

26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-20, 4-7=-50, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35

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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533910
6243112	B1X	Common Supported 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 10:59:52 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-J7mDH3TzMVobBm?yFUgU6ekh?fnpuJFNiTliQRyutK5

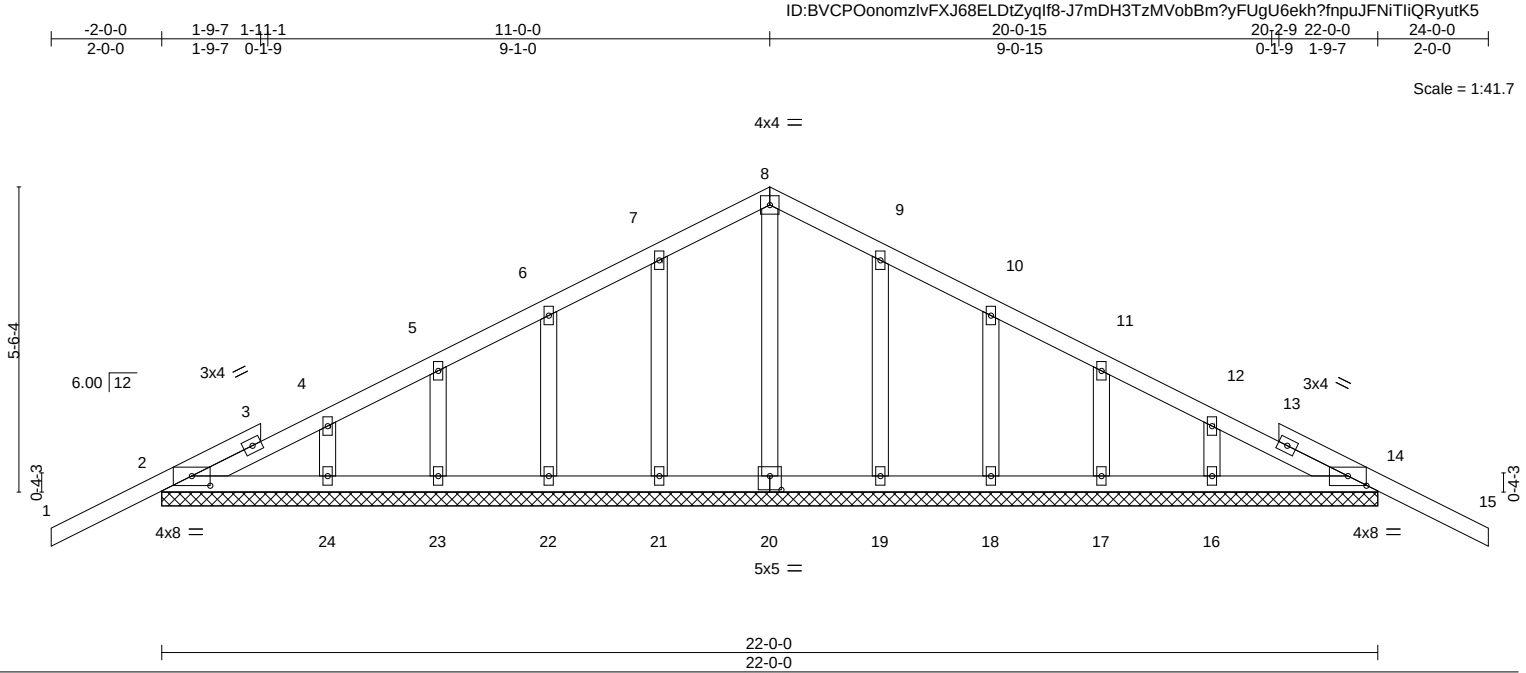


Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [14:0-4-0,0-2-1], [20:0-2-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.02	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.03	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 117 lb	FT = 20%

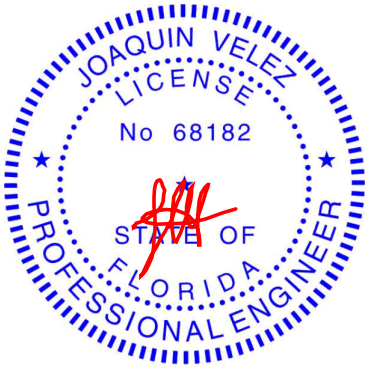
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz 2=-102(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 22, 23, 19, 18, 17
Max Grav All reactions 250 lb or less at joint(s) 20, 21, 22, 23, 24, 19, 18, 17, 16 except 2=273(LC 1), 14=273(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 21, 22, 23, 19, 18, 17.



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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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533911
6243112	CJ1	Corner Jack	4	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 10:59:53 2024 Page 1
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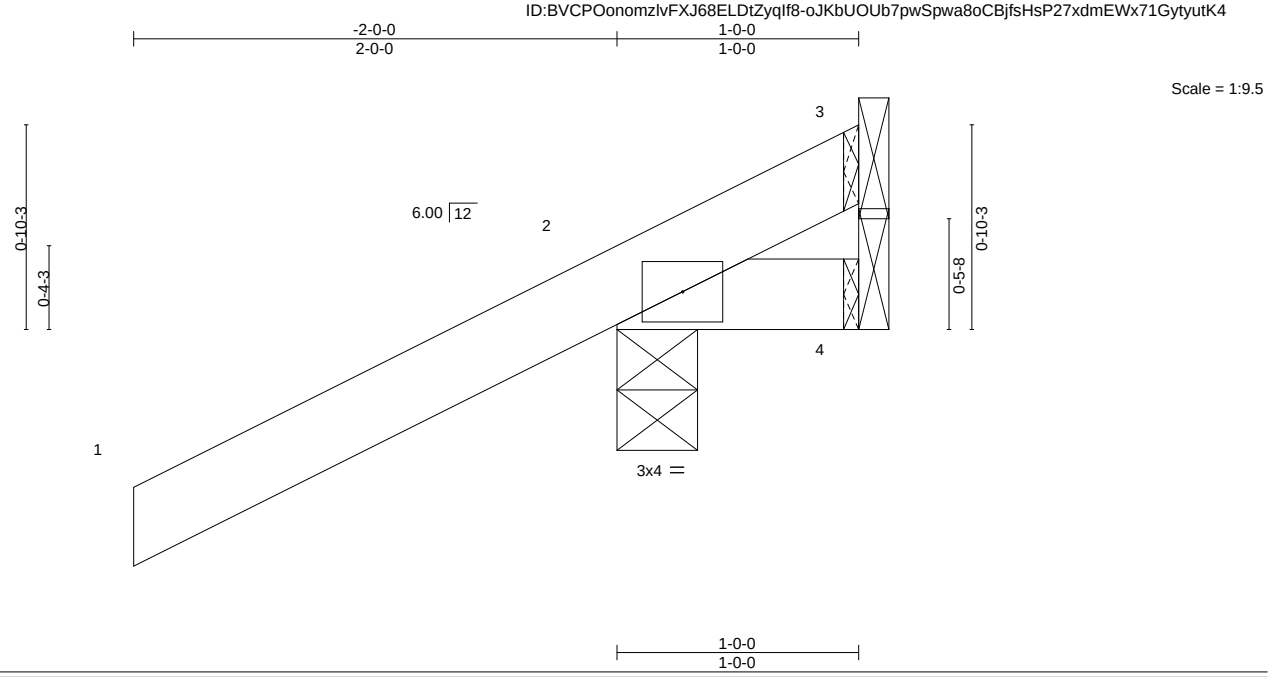


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.00	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP		Wind(LL)	-0.00	7	>999	240	Weight: 7 lb	FT = 20%

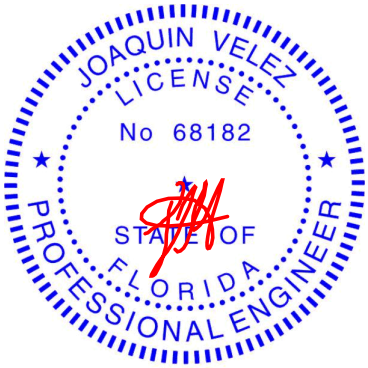
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=48(LC 12)
Max Uplift 3=-29(LC 1), 2=-129(LC 12), 4=-53(LC 1)
Max Grav 3=26(LC 12), 2=281(LC 1), 4=43(LC 12)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=129.



Joaquin Velez PE No.68182
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 25,2024

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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533912
6243112	CJ3	Corner Jack	4	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 10:59:53 2024 Page 1
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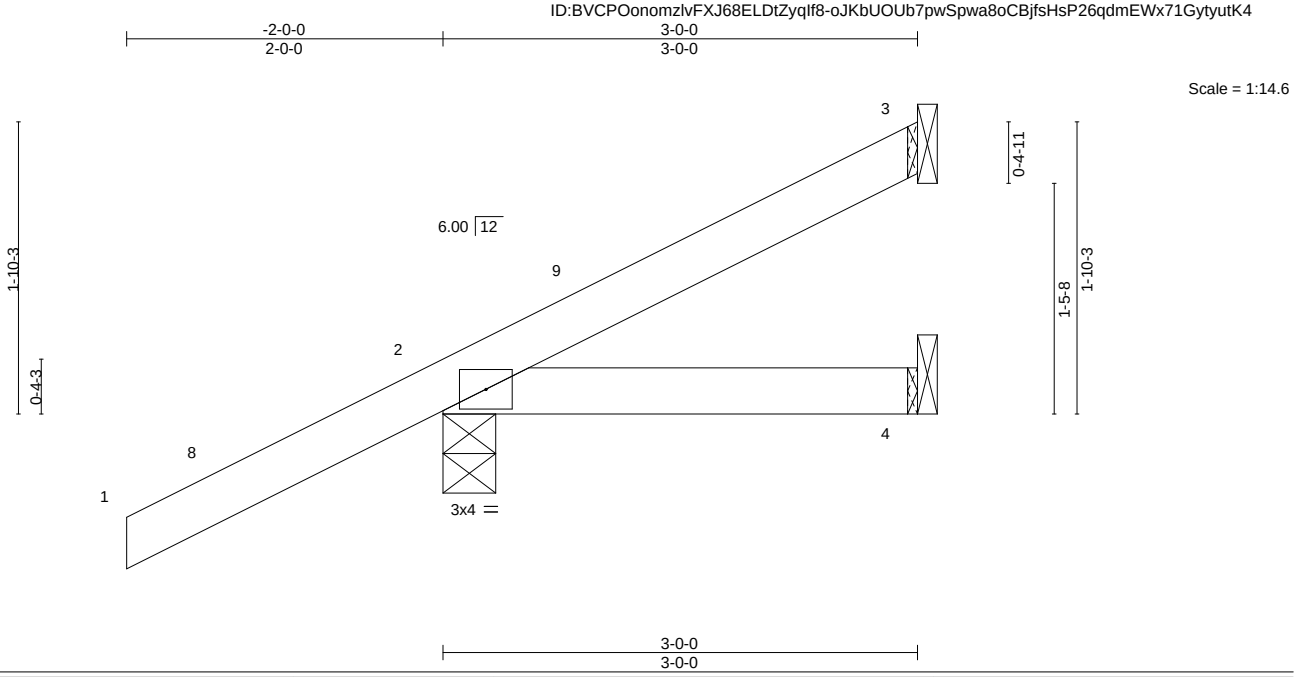


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.00	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.00	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP		Wind(LL)	-0.00	4-7	>999	240	Weight: 13 lb	FT = 20%

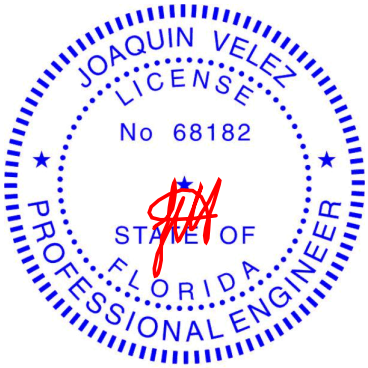
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=72(LC 12)
Max Uplift 3=-11(LC 12), 2=-77(LC 12)
Max Grav 3=57(LC 1), 2=278(LC 1), 4=47(LC 3)

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

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



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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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533913
6243112	CJ5	Corner Jack	4	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 10:59:54 2024 Page 1
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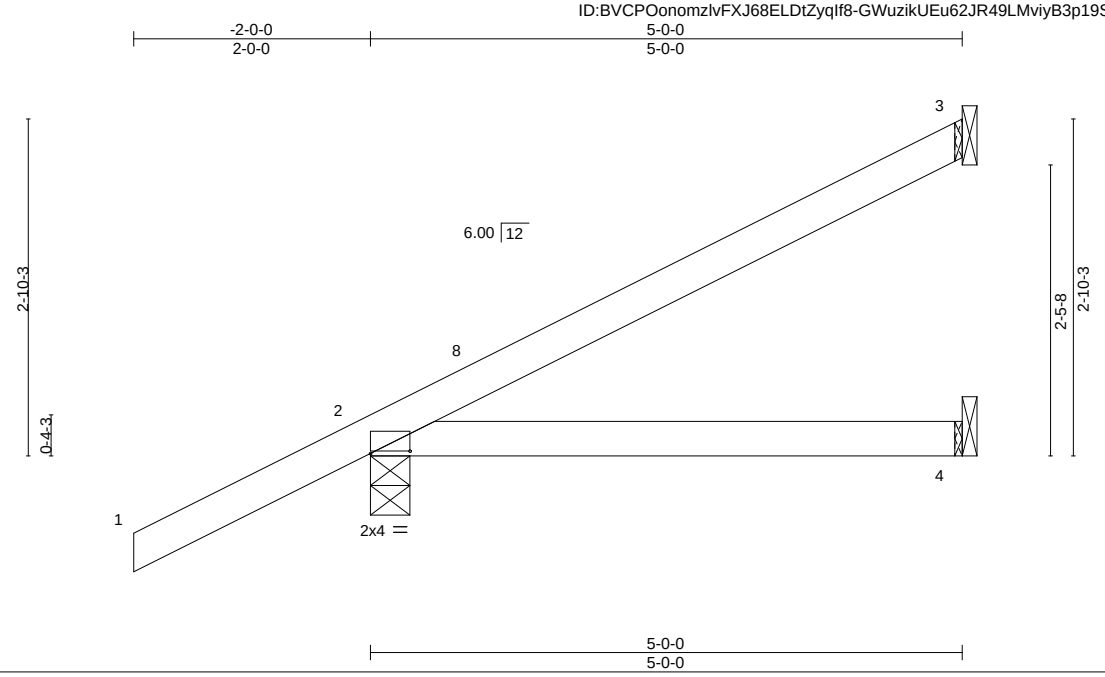


Plate Offsets (X,Y)-- [2:0-4-0,0-0-4]

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	0.28	Vert(LL)	-0.02	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.05	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP		Wind(LL)	0.02	4-7	>999	240	Weight: 19 lb	FT = 20%

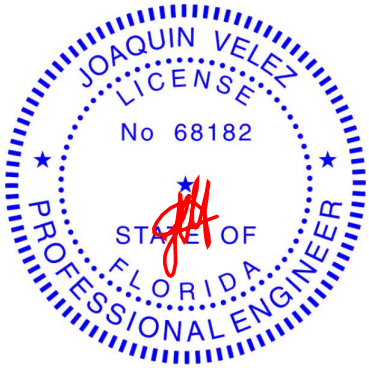
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=96(LC 12)
Max Uplift 3=-33(LC 12), 2=-64(LC 12)
Max Grav 3=119(LC 1), 2=342(LC 1), 4=88(LC 3)

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

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



Joaquin Velez PE No.68182
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 25,2024

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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533914
6243112	E01X	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 10:59:54 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-GWuzikUEu62JR49LMviyB3p?NSR7MD_f9nnpUJyutK3

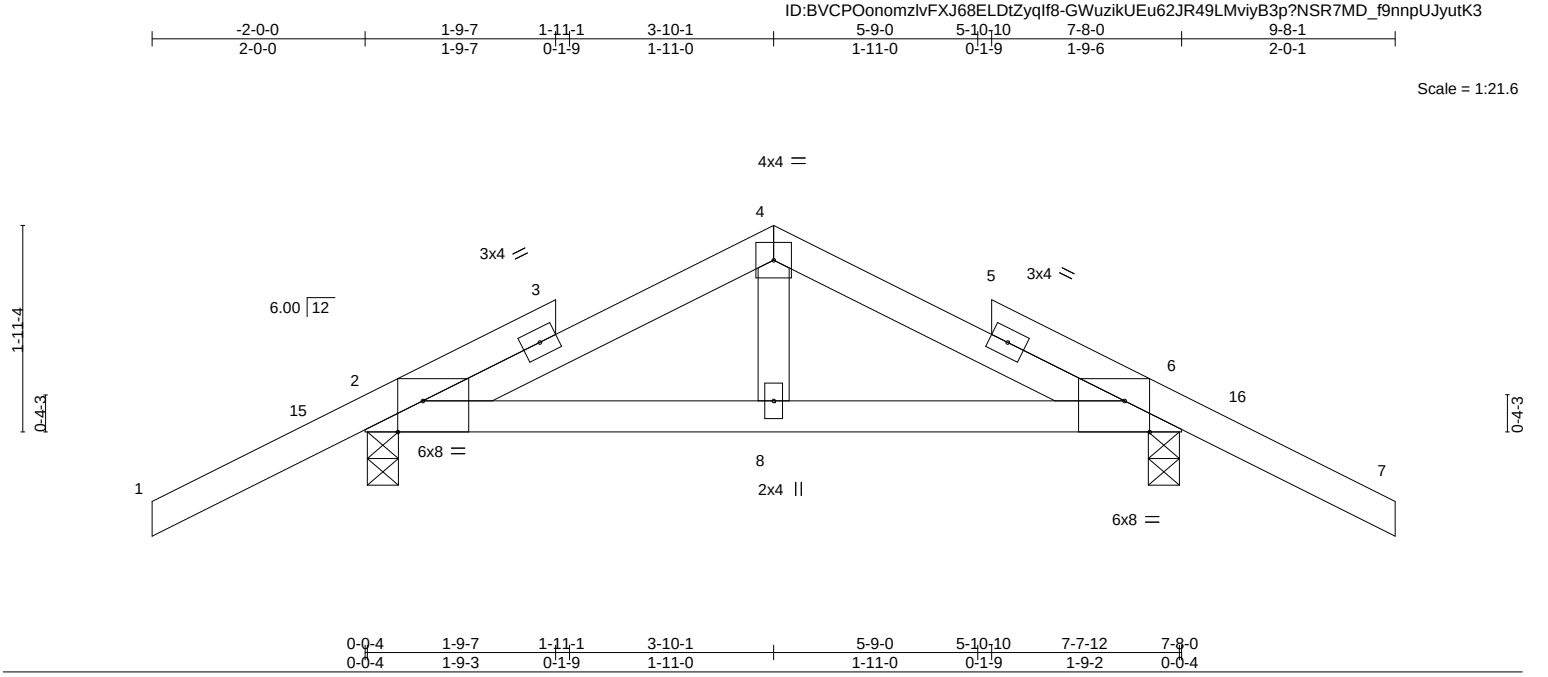


Plate Offsets (X,Y)-- [2:0-2-13,Edge], [6:0-2-13,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	-0.00	8-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	8-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.01	8-14	>999	240	Weight: 37 lb	FT = 20%

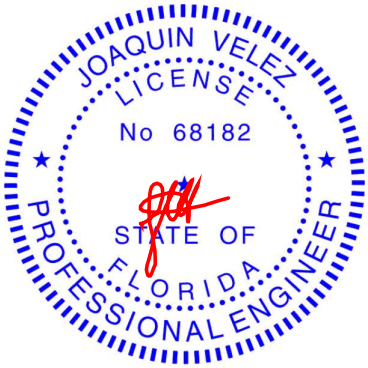
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-43(LC 10)
Max Uplift 2=-74(LC 12), 6=-74(LC 12)
Max Grav 2=423(LC 1), 6=424(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-316/55, 4-6=-316/56
BOT CHORD 2-8=0/272, 6-8=0/272

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 1-2-5, Zone1 1-2-5 to 3-10-1, Zone2 3-10-1 to 8-0-15, Zone1 8-0-15 to 9-8-1 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) 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) Gable studs spaced at 2-0-0 oc.
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) 2, 6.



Joaquin Velez PE No.68182
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 25,2024

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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533915
6243112	E02	Roof Special	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 10:59:55 2024 Page 1
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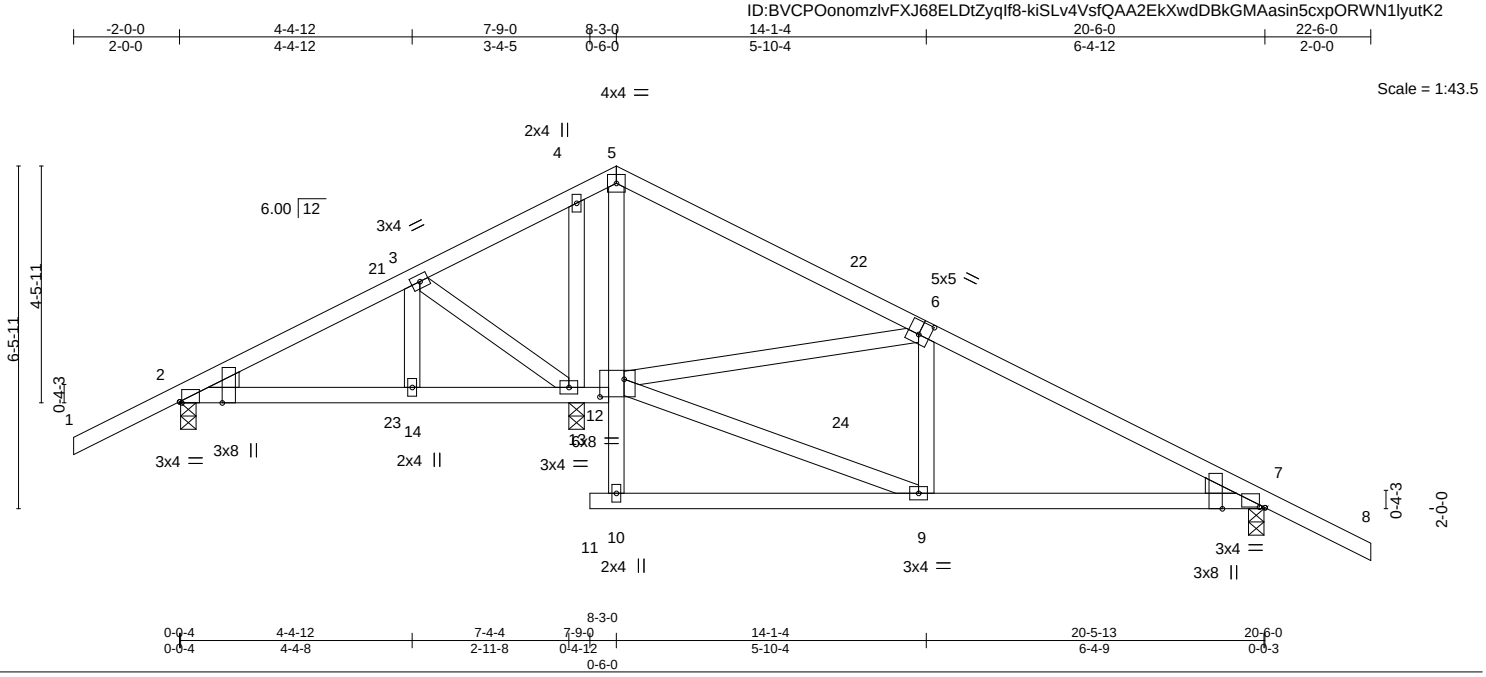


Plate Offsets (X,Y)-- [2:0-0-4,Edge], [2:0-0-8,Edge], [6:0-2-8,0-3-0], [7:0-1-4,0-0-2], [7:0-0-4,Edge], [12:0-5-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.04	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.09	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.05	9-20	>999	240	Weight: 118 lb	FT = 20%

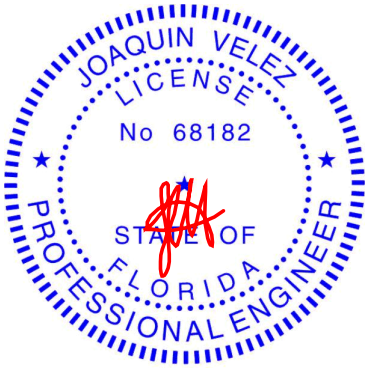
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 7=0-3-8, 13=0-3-8
Max Horz 2=104(LC 11)
Max Uplift 2=-144(LC 12), 7=-206(LC 12), 13=-181(LC 12)
Max Grav 2=452(LC 1), 7=670(LC 24), 13=779(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-329/115, 4-5=-260/130, 5-6=-272/85, 6-7=-753/285
BOT CHORD 2-14=0/269, 13-14=0/269, 7-9=-181/638
WEBS 6-12=-501/279, 4-13=-360/92, 9-12=-193/681

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 1-1-8, Zone1 1-1-8 to 8-3-0, Zone2 8-3-0 to 12-5-15, Zone1 12-5-15 to 22-6-0 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
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=144, 7=206, 13=181.



Joaquin Velez PE No.68182
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Date:

July 25,2024

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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533916
6243112	E02X	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 10:59:55 2024 Page 1
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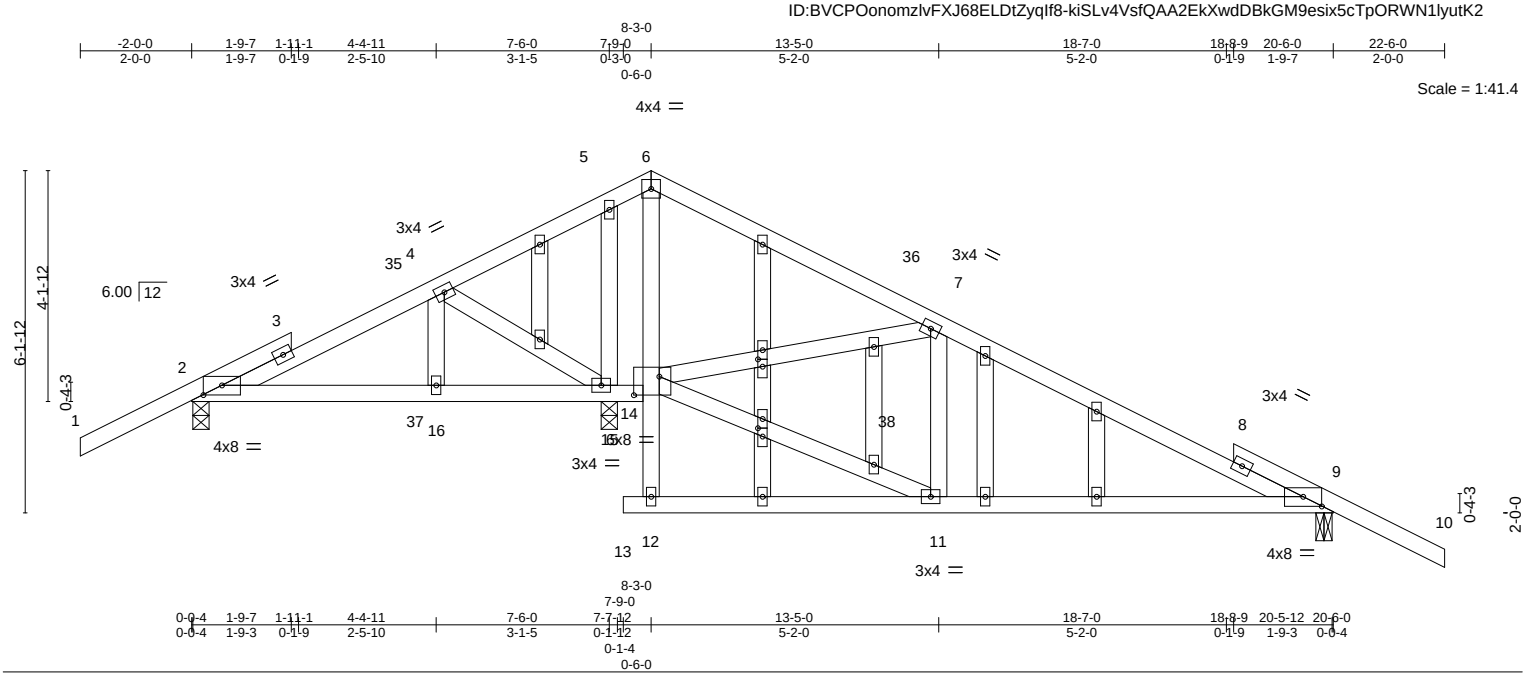


Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [9:0-4-0,0-2-1], [14:0-5-8,0-4-0], [19:0-1-9,0-1-0], [21:0-1-13,0-1-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.06	11-34	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.15	11-34	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.08	11-34	>999	240	Weight: 135 lb	FT = 20%

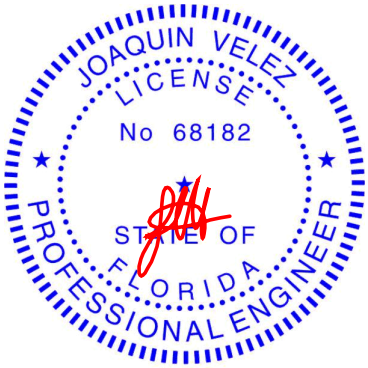
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 9=0-3-8, 15=0-3-8
Max Horz 2=99(LC 11)
Max Uplift 2=-126(LC 12), 9=-197(LC 12), 15=-211(LC 12)
Max Grav 2=370(LC 23), 9=622(LC 24), 15=918(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 7-9=-600/235
BOT CHORD 9-11=-141/523
WEBS 11-14=-153/567, 7-14=-567/303, 5-15=-443/118

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 1-2-5, Zone1 1-2-5 to 8-3-0, Zone2 8-3-0 to 12-5-15, Zone1 12-5-15 to 22-6-0 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=126, 9=197, 15=211.



Joaquin Velez PE No.68182
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Date:

July 25,2024

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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533917
6243112	E03	Monopitch	3	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 10:59:56 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-Cu0k6QWUQkI1gOJjUKkQGUvMvG66q6dyd5GwZCyutK1

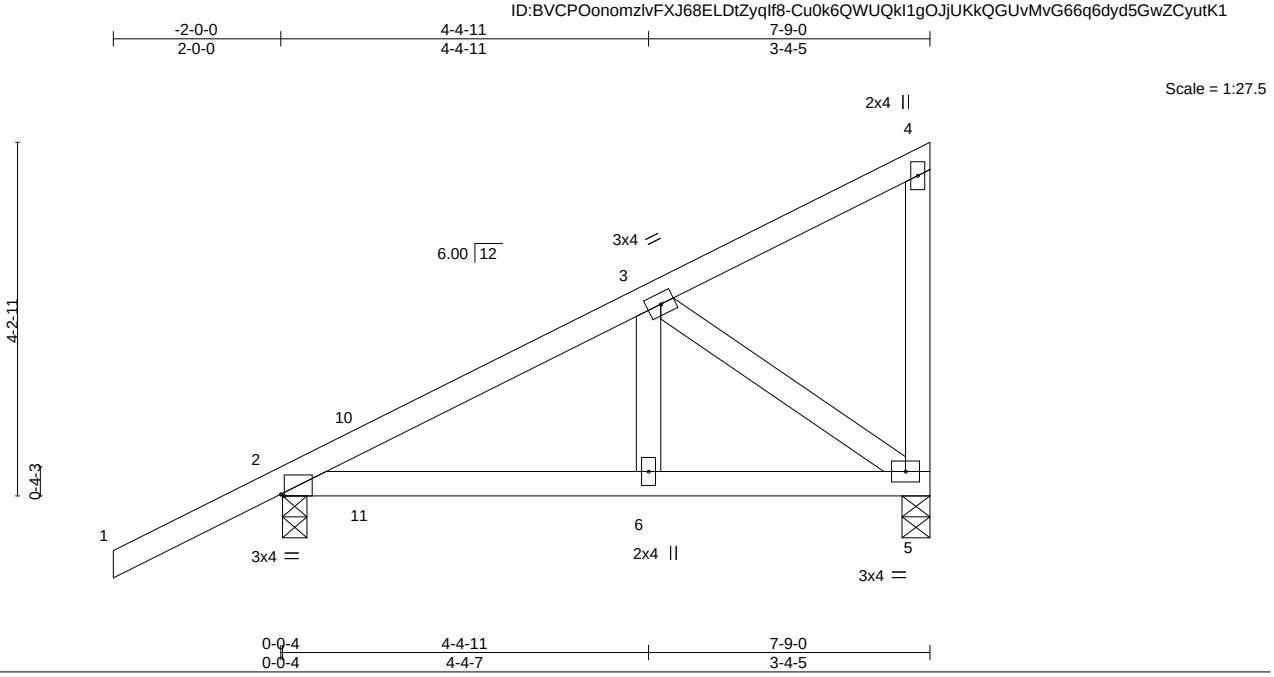


Plate Offsets (X,Y)-- [2:0-0-8,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.01	6-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.02	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.01	6-9	>999	240	Weight: 42 lb	FT = 20%

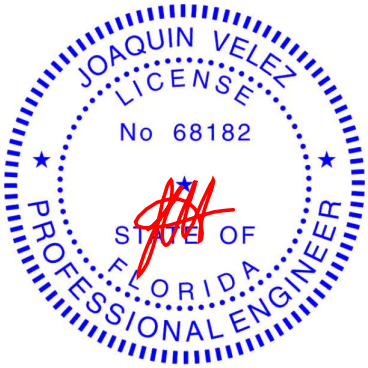
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 5=0-4-0
Max Horz 2=127(LC 12)
Max Uplift 2=-121(LC 12), 5=-92(LC 12)
Max Grav 2=440(LC 1), 5=288(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-357/107
BOT CHORD 2-6=-241/276, 5-6=-241/276
WEBS 3-5=-331/286

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 7-7-4 zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=121.



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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533918
6243112	EJ7	Jack-Open	33	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 10:59:56 2024 Page 1
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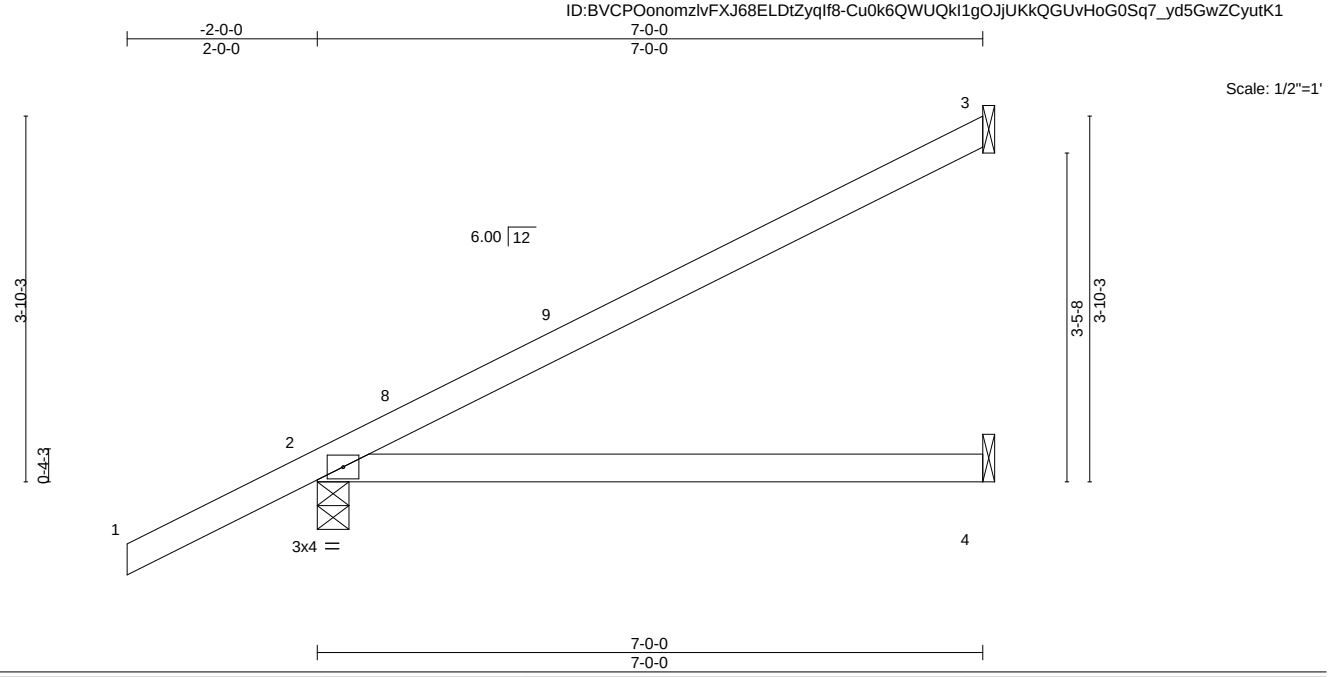


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.09	4-7	>901	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.22	4-7	>375	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.09	4-7	>971	240	Weight: 26 lb	FT = 20%

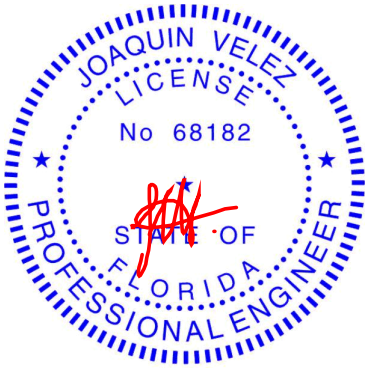
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=119(LC 12)
Max Uplift 3=-52(LC 12), 2=-58(LC 12)
Max Grav 3=177(LC 1), 2=415(LC 1), 4=127(LC 3)

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

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



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Date:

July 25,2024

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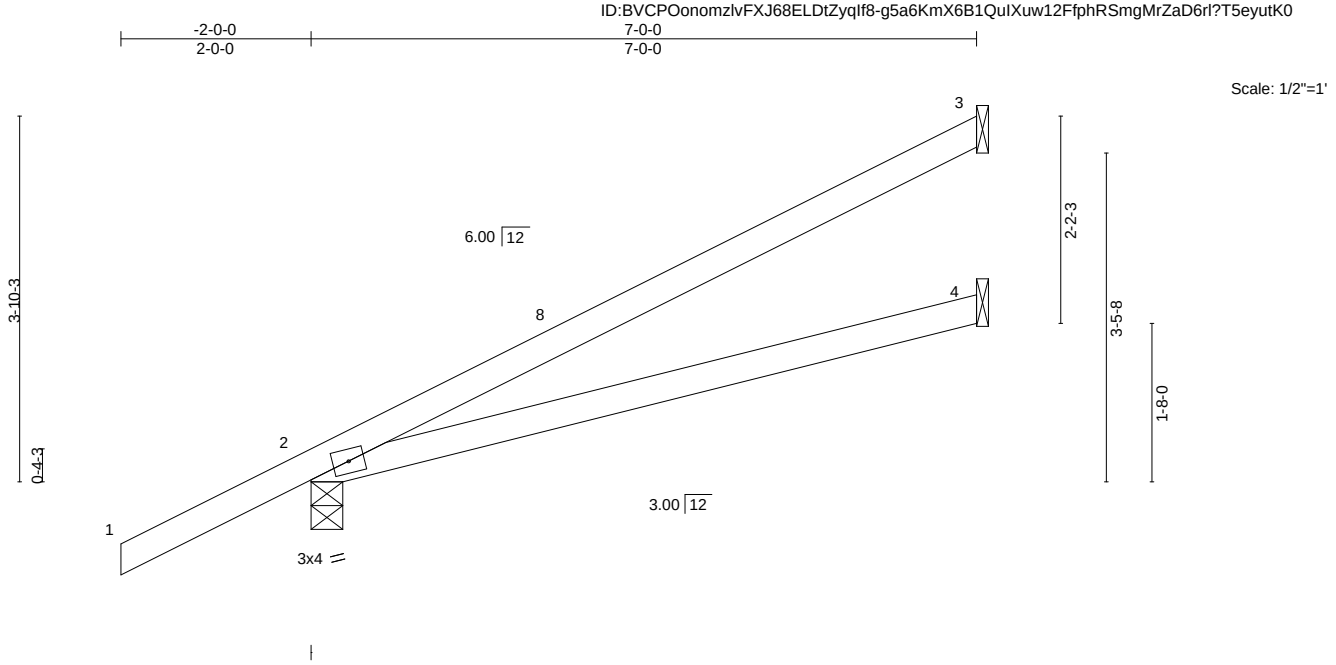
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533919
6243112	EJ7V	Jack-Open	3	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 10:59:57 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-g5a6KmX6B1QuIXuw12FfphRSmgMrZaD6rl?T5eyutK0



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)	-0.09	4-7	>915	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.22	4-7	>373	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.10	4-7	>852	240	Weight: 26 lb	FT = 20%

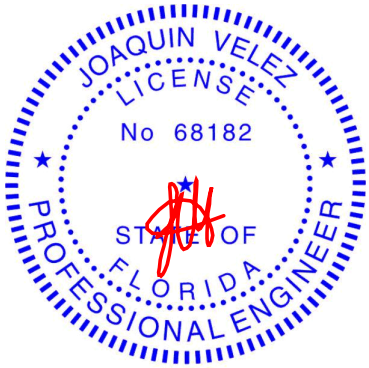
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=119(LC 12)
Max Uplift 3=-51(LC 12), 2=-56(LC 12)
Max Grav 3=175(LC 1), 2=415(LC 1), 4=126(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 0-9-7, Zone1 0-9-7 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) 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(s) 3, 2.



Joaquin Velez PE No.68182
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 25,2024

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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533920
6243112	EJ7W	Jack-Open	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 10:59:58 2024 Page 1
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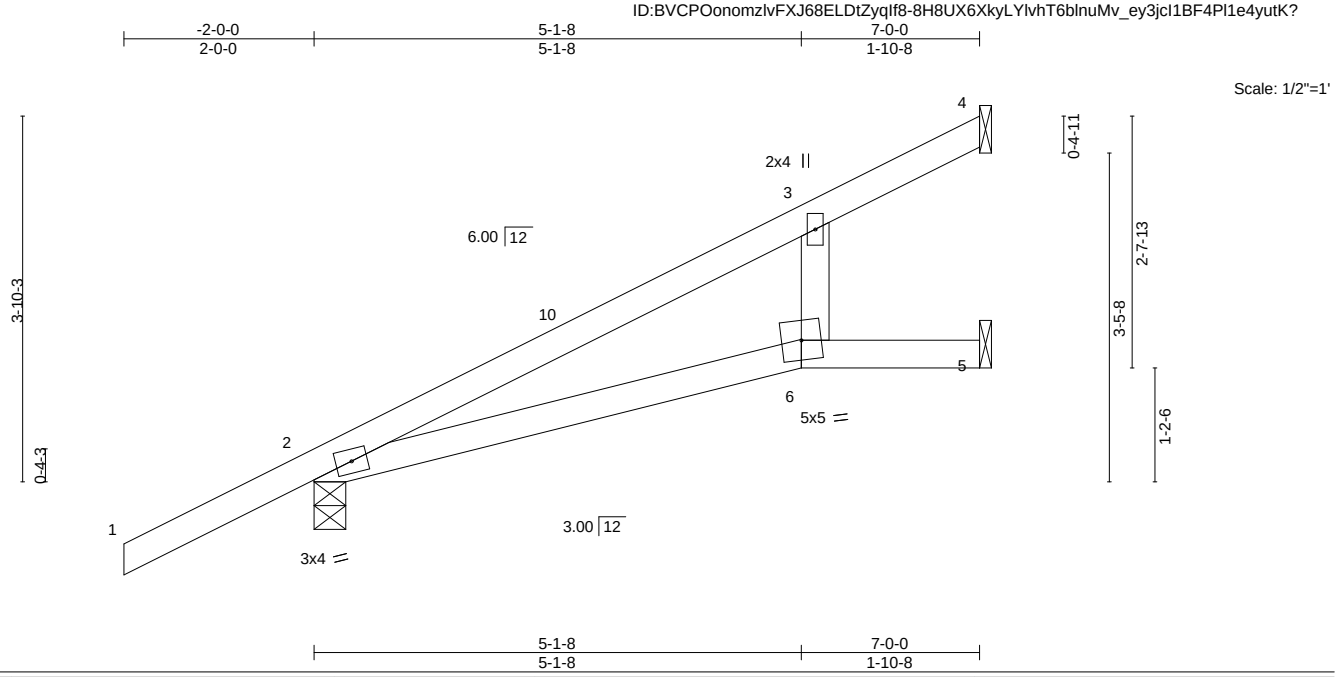


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.12	6-9	>696	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.25	6-9	>330	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.05	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.13	6-9	>627	240	Weight: 28 lb	FT = 20%

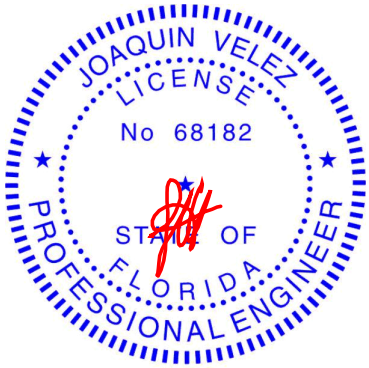
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=119(LC 12)
Max Uplift 4=-21(LC 12), 2=-56(LC 12), 5=-3(LC 12)
Max Grav 4=172(LC 1), 2=415(LC 1), 5=88(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 0-9-7, Zone1 0-9-7 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) 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(s) 4, 2, 5.



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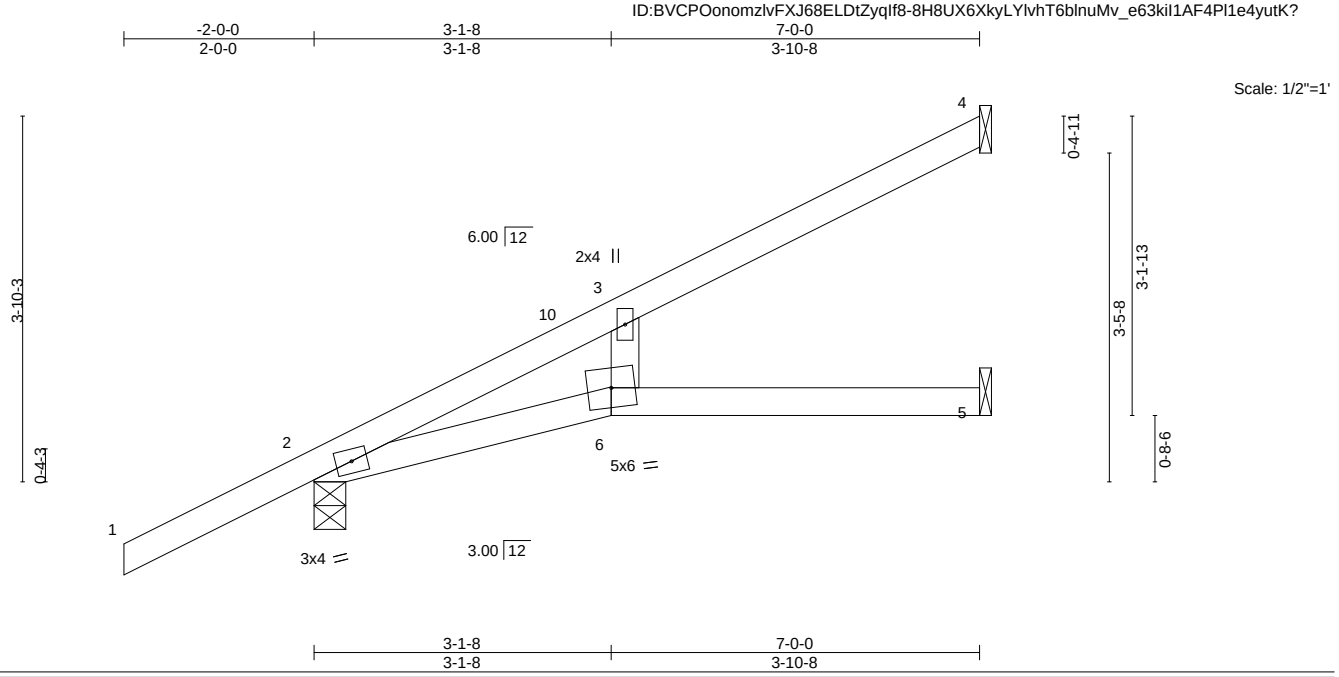
Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533921
6243112	EJ7X	Jack-Open	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Jul 11 2024 MiTek Industries, Inc. Wed Jul 24 10:59:58 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-8H8UX6XkyLYlvhT6blnuMv_e63kiI1AF4Pl1e4yutK?



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	0.60	Vert(LL)	-0.15	6	>574	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.30	6	>280	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.07	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.16	6	>519	240	Weight: 27 lb	FT = 20%

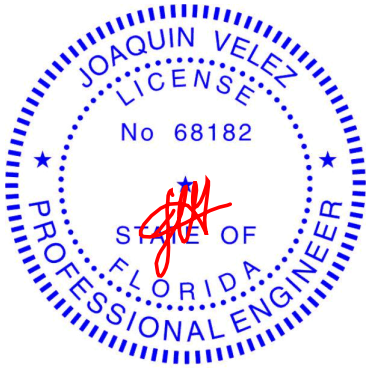
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=119(LC 12)
Max Uplift 4=-40(LC 12), 2=-56(LC 12)
Max Grav 4=177(LC 1), 2=415(LC 1), 5=105(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 0-9-7, Zone1 0-9-7 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) 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(s) 4, 2.



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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533922
6243112	EJ7Y	Jack-Open	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 10:59:58 2024 Page 1
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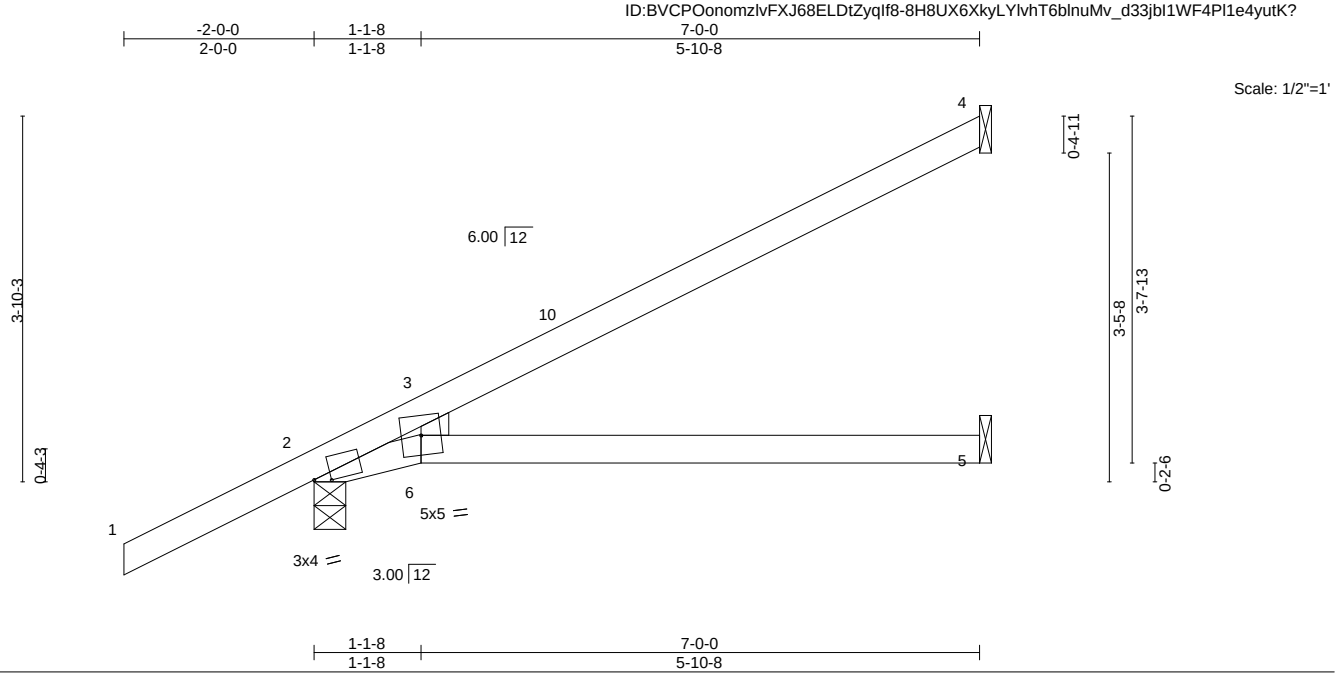


Plate Offsets (X,Y)-- [2:0-2-2,0-0-9]

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	0.67	Vert(LL)	-0.09	5-6	>935	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.21	5-6	>392	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.10	5-6	>833	240	Weight: 26 lb	FT = 20%

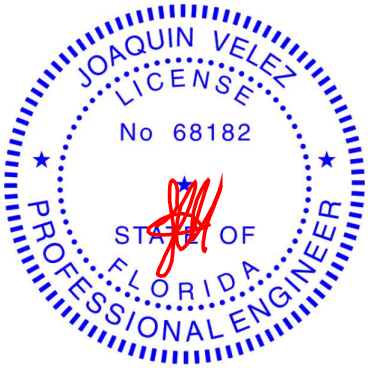
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=119(LC 12)
Max Uplift 4=-52(LC 12), 2=-56(LC 12)
Max Grav 4=180(LC 1), 2=415(LC 1), 5=123(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-316/46
WEBS 3-6=-151/346

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 0-9-7, Zone1 0-9-7 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) 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(s) 4, 2.



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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533923
6243112	EJ7Z	Jack-Open Supported 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 10:59:59 2024 Page 1
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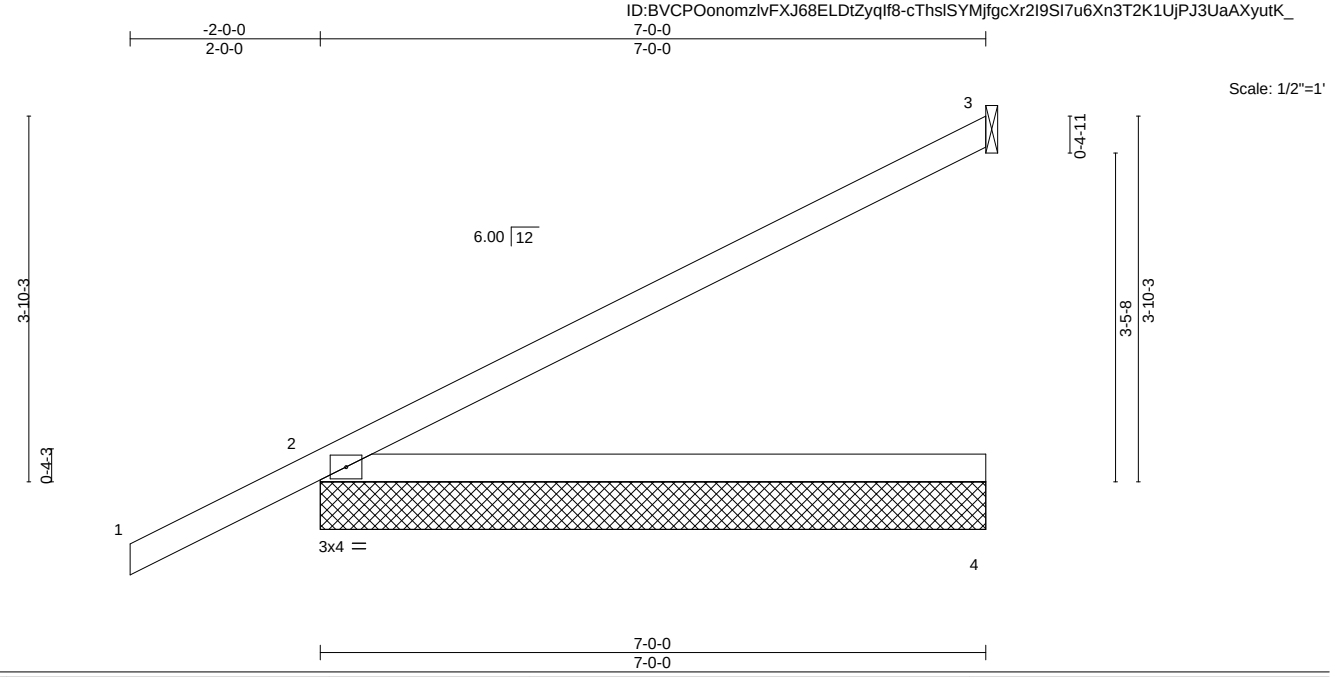


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	-0.11	2-4	>730	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.25	2-4	>333	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.07	2-4	>999	240	Weight: 26 lb	FT = 20%

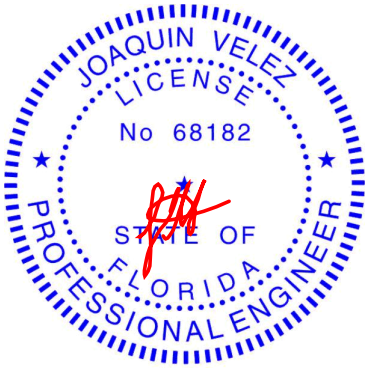
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. All bearings 7-0-0.
(lb) - Max Horz 2=119(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 3, 2
Max Grav All reactions 250 lb or less at joint(s) 3, 3, 4 except 2=415(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=2ft; 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
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533924
6243112	HJ1	Diagonal Hip Girder	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 10:59:59 2024 Page 1
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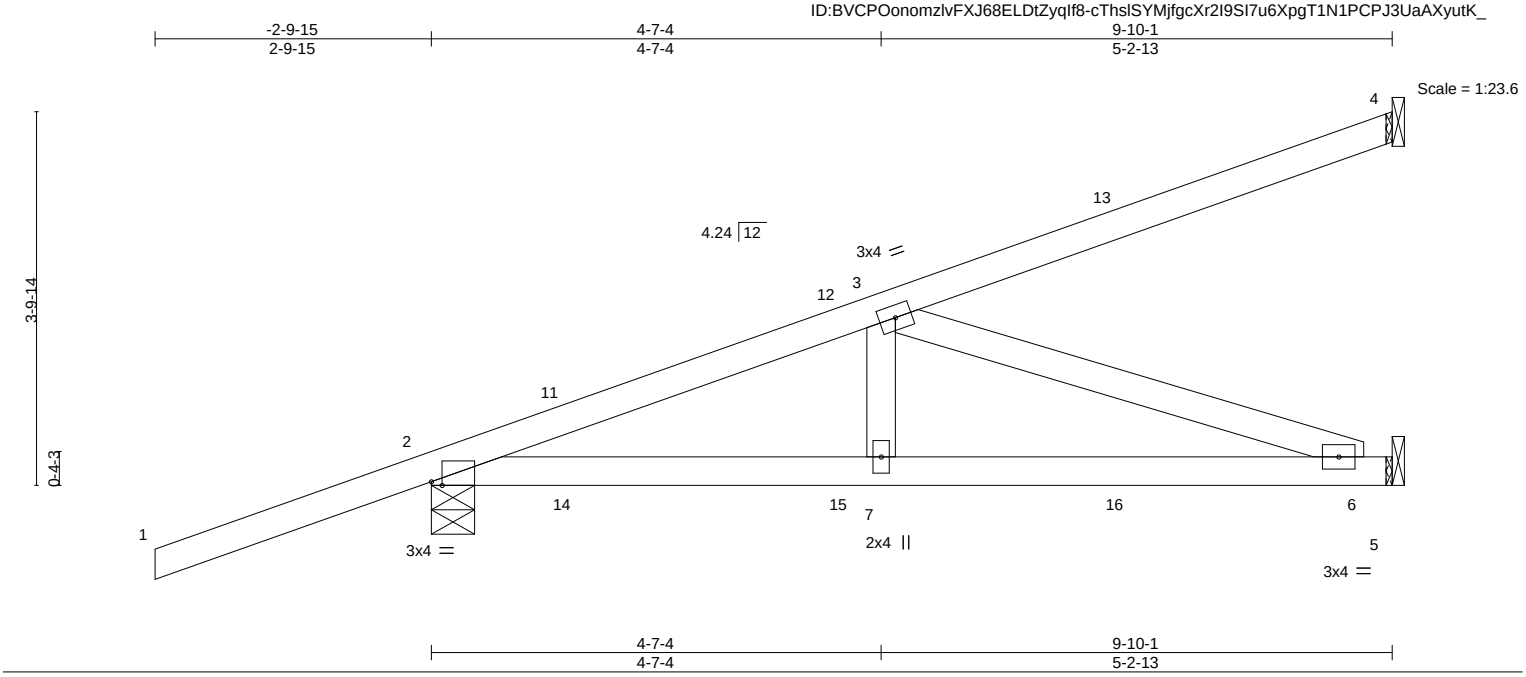


Plate Offsets (X,Y)-- [2:0-1-5,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.05	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.12	6-7	>993	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	-0.05	7-10	>999	240	Weight: 44 lb	FT = 20%

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

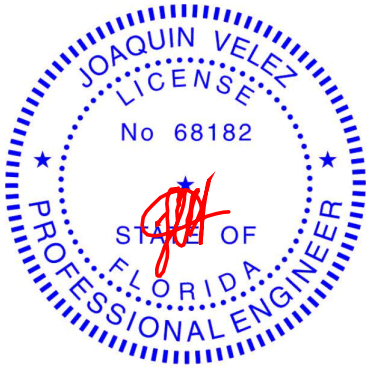
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-5-5, 5=Mechanical
Max Horz 2=119(LC 8)
Max Uplift 4=-46(LC 8), 2=-173(LC 8)
Max Grav 4=161(LC 1), 2=550(LC 31), 5=287(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-779/16
BOT CHORD 2-7=-62/691, 6-7=-62/691
WEBS 3-6=-730/65

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.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=173.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 52 lb down and 114 lb up at 1-4-15, 52 lb down and 114 lb up at 1-4-15, 55 lb down and 26 lb up at 4-2-15, 55 lb down and 26 lb up at 4-2-15, and 87 lb down and 57 lb up at 7-0-14, and 87 lb down and 57 lb up at 7-0-14 on top chord, and 28 lb down and 81 lb up at 1-4-15, 28 lb down and 81 lb up at 1-4-15, 17 lb down and 2 lb up at 4-2-15, 17 lb down and 2 lb up at 4-2-15, and 34 lb down at 7-0-14, and 34 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, 5-8=-20
Concentrated Loads (lb)
Vert: 11=72(F=36, B=36) 13=-68(F=-34, B=-34) 14=82(F=41, B=41) 15=4(F=2, B=2) 16=-52(F=-26, B=-26)



Joaquin Velez PE No.68182
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.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

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Job	Truss	Truss Type	Qty	Ply	2265 -CR -2Car - Frame T34533925
6243112	PB1	Piggyback	6	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 11:00:00 2024 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqlf8-4fFEyoZ_UyoS9?cVjApMRK37UtWumxzYYjE8hzyutJz

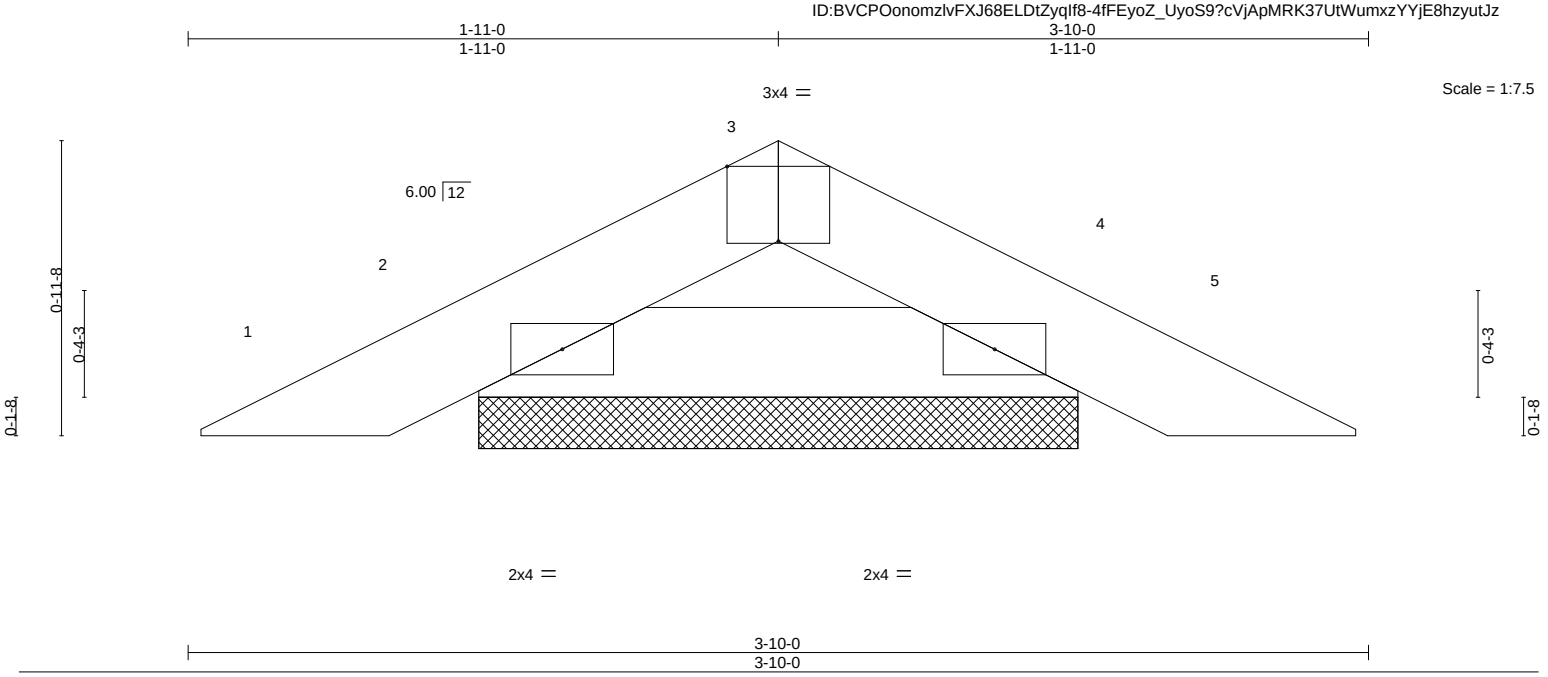


Plate Offsets (X,Y)-- [3:0-2-0,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	-0.00	4	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 9 lb	FT = 20%

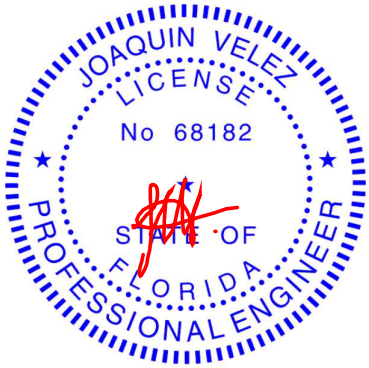
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 2=1-11-6, 4=1-11-6
Max Horz 2=-13(LC 10)
Max Uplift 2=-20(LC 12), 4=-20(LC 12)
Max Grav 2=114(LC 1), 4=114(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 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) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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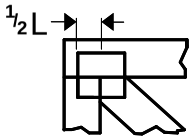
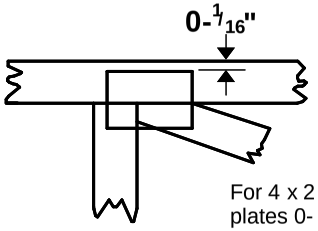
Symbols

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.

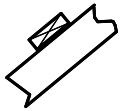
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

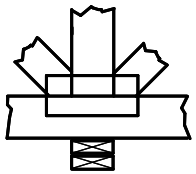
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

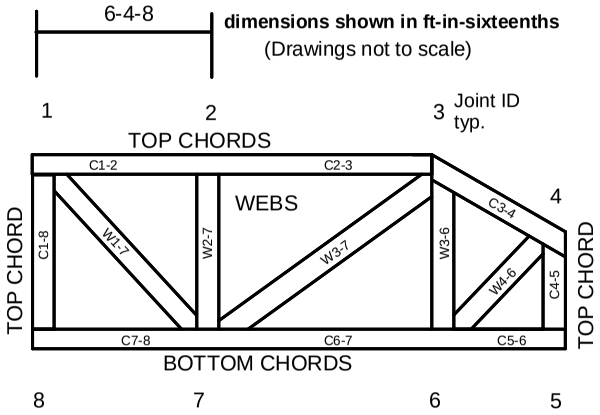


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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