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

RE: 6251988 - 2117-A-14x10 Lamai-Frame

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

Site Information:

Customer Info: Adams Homes-Gainesville Project Name: The Preserve at Laurel Lake 037, Model: 2117-A-14x10 Lanai-14
Lot/Block: 037 Subdivision: The Preserve at Laurel Lake
Address: 569 SW Bellflower Dr , .
City: Lake City State: Fl

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

Name: License #:
Address:
City: State:

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

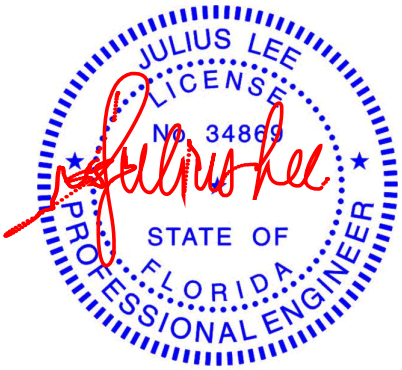
Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.8
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 45 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T38210370	A01	8/13/25	23	T38210392	C1	8/13/25
2	T38210371	A02	8/13/25	24	T38210393	C1L	8/13/25
3	T38210372	A03	8/13/25	25	T38210394	C3	8/13/25
4	T38210373	A04	8/13/25	26	T38210395	C3L	8/13/25
5	T38210374	A05	8/13/25	27	T38210396	C5	8/13/25
6	T38210375	A06	8/13/25	28	T38210397	D01	8/13/25
7	T38210376	A07	8/13/25	29	T38210398	D01X	8/13/25
8	T38210377	A08	8/13/25	30	T38210399	E5L	8/13/25
9	T38210378	A09	8/13/25	31	T38210400	E7	8/13/25
10	T38210379	A09A	8/13/25	32	T38210401	G01X	8/13/25
11	T38210380	A10	8/13/25	33	T38210402	G02	8/13/25
12	T38210381	A11	8/13/25	34	T38210403	G03	8/13/25
13	T38210382	A12	8/13/25	35	T38210404	GV1	8/13/25
14	T38210383	A13	8/13/25	36	T38210405	GV2	8/13/25
15	T38210384	A14	8/13/25	37	T38210406	GV3	8/13/25
16	T38210385	A15	8/13/25	38	T38210407	GV4	8/13/25
17	T38210386	A16	8/13/25	39	T38210408	H5L	8/13/25
18	T38210387	A17	8/13/25	40	T38210409	H7	8/13/25
19	T38210388	B01	8/13/25	41	T38210410	L01	8/13/25
20	T38210389	B01X	8/13/25	42	T38210411	L02	8/13/25
21	T38210390	B02	8/13/25	43	T38210412	LV1	8/13/25
22	T38210391	B03	8/13/25	44	T38210413	LV2	8/13/25

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

Truss Design Engineer's Name: Lee, Julius
My license renewal date for the state of Florida is February 28, 2027.



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

August 14,2025

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

RE: 6251988 - 2117-A-14x10 Lamai-Frame

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

Site Information:

Customer Info: Adams Homes-Gainesville Project Name: The Preserve at Laurel Lake 037 Model: 2117-A-14x10 Lana
Lot/Block: 037 Subdivision: The Preserve at Laurel Lake
Address: 569 SW Bellflower Dr , .
City: Lake City State: Fl

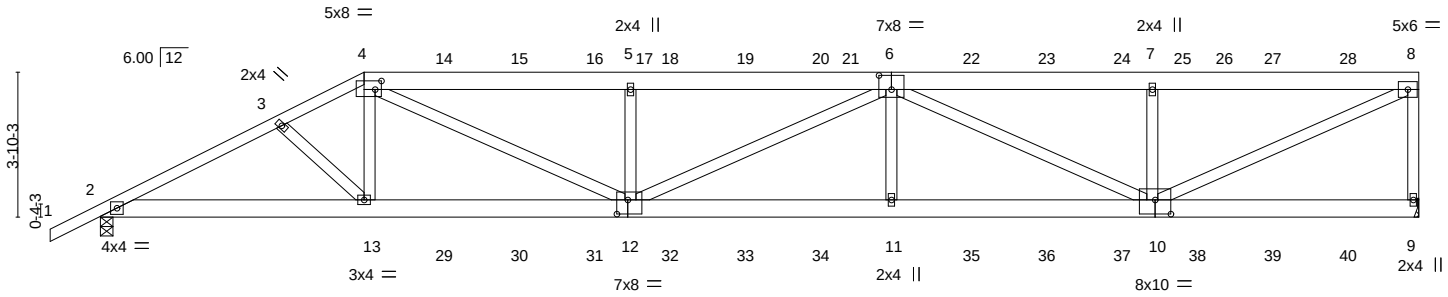
No.	Seal#	Truss Name	Date
45	T38210414	LV3	8/13/25

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	A01	HALF HIP GIRDER	1	2	T38210370
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:03 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-LoFyGZEdmcTJOllXgqrmPlQAZT3teZUyTZ2fP?yoIcw

-1-4-0	4-9-12	7-0-0	14-0-14	21-0-0	27-11-2	35-0-0
1-4-0	4-9-12	2-2-4	7-0-14	6-11-2	6-11-2	7-0-14

Scale = 1:61.2



7-0-0	14-0-14	21-0-0	27-11-2	35-0-0
7-0-0	7-0-14	6-11-2	6-11-2	7-0-14

Plate Offsets (X,Y)-- [4:0-2-0,0-2-12], [6:0-4-0,0-4-8], [10:0-5-0,0-4-8], [12:0-3-8,0-4-8]

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	0.41	Vert(LL)	-0.20	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.42	11-12	>980	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.09	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.14	11-12	>999	240	Weight: 461 lb	FT = 20%

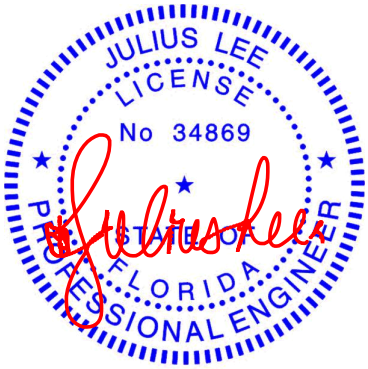
LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
1-4: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 2=0-4-0
Max Horz 2=107(LC 8)
Max Uplift 9=-194(LC 8), 2=-157(LC 8)
Max Grav 9=2794(LC 1), 2=2666(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5283/241, 3-4=-5154/233, 4-5=-7164/454, 5-6=-7182/460, 6-7=-4819/335, 7-8=-4800/329, 8-9=-2661/254
BOT CHORD 2-13=-258/4643, 12-13=-215/4657, 11-12=-478/7146, 10-11=-478/7146
WEBS 4-13=0/687, 4-12=-266/2837, 5-12=-941/299, 6-11=0/599, 6-10=-2585/158, 7-10=-906/302, 8-10=-360/5273

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) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=194, 2=157.



Julius Lee PE No. 34869
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Date:

August 14,2025

Continued on page 2

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Chesterfield, MO 63017
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NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 141 lb down and 86 lb up at 7-0-0, 122 lb down and 83 lb up at 9-0-12, 122 lb down and 83 lb up at 11-0-12, 122 lb down and 83 lb up at 13-0-12, 122 lb down and 83 lb up at 15-0-12, 122 lb down and 83 lb up at 17-0-12, 122 lb down and 83 lb up at 19-0-12, 122 lb down and 83 lb up at 21-0-12, 122 lb down and 83 lb up at 23-0-12, 122 lb down and 83 lb up at 25-0-12, 122 lb down and 83 lb up at 27-0-12, 122 lb down and 83 lb up at 29-0-12, and 122 lb down and 83 lb up at 31-0-12, and 122 lb down and 83 lb up at 33-0-12 on top chord, and 310 lb down at 7-0-0, 95 lb down at 9-0-12, 95 lb down at 11-0-12, 95 lb down at 13-0-12, 95 lb down at 15-0-12, 95 lb down at 17-0-12, 95 lb down at 19-0-12, 95 lb down at 21-0-12, 95 lb down at 23-0-12, 95 lb down at 25-0-12, 95 lb down at 27-0-12, 95 lb down at 29-0-12, and 95 lb down at 31-0-12, and 95 lb down at 33-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

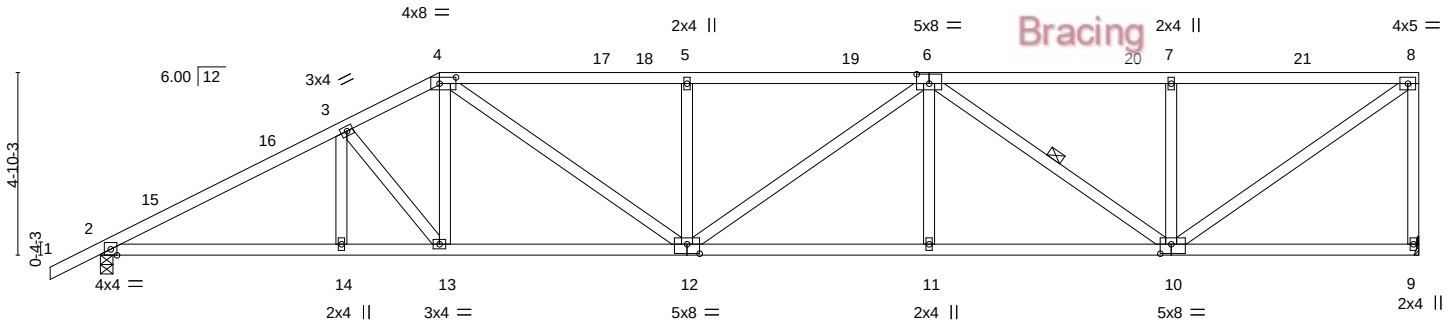
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-8=-60, 2-9=-20
   Concentrated Loads (lb)
   Vert: 4=-122(F) 13=-262(F) 6=-122(F) 11=-48(F) 14=-122(F) 15=-122(F) 16=-122(F) 18=-122(F) 19=-122(F) 20=-122(F) 22=-122(F) 23=-122(F) 24=-122(F) 26=-122(F) 27=-122(F) 28=-122(F) 29=-48(F) 30=-48(F) 31=-48(F) 32=-48(F) 33=-48(F) 34=-48(F) 35=-48(F) 36=-48(F) 37=-48(F) 38=-48(F) 39=-48(F) 40=-48(F)

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	A02	HALF HIP	1	1	T38210371
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:03 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-LoFyGZEdmcTJOllXgqrmPlQ65T3qebjyTZ2fP?yoIcw

-1-4-0	6-4-13	9-0-0	15-6-14	22-0-0	28-5-2	35-0-0
1-4-0	6-4-13	2-7-4	6-6-14	6-5-2	6-5-2	6-6-14

Scale = 1:61.2



6-4-13	9-0-0	15-6-14	22-0-0	28-5-2	35-0-0
6-4-13	2-7-4	6-6-14	6-5-2	6-5-2	6-6-14

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [6:0-4-0,0-3-0], [10:0-3-8,0-3-0], [12:0-4-0,0-3-0]

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	0.70	Vert(LL)	-0.17	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.37	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.11	12	>999	240	Weight: 194 lb	FT = 20%

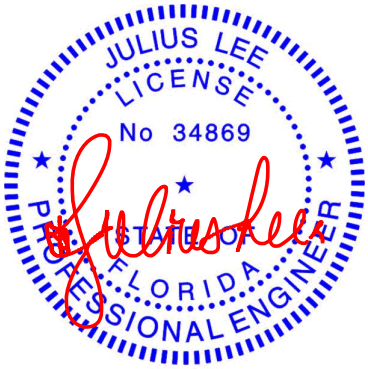
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-10

REACTIONS. (size) 9=Mechanical, 2=0-4-0
Max Horz 2=132(LC 12)
Max Uplift 9=-67(LC 12), 2=-97(LC 12)
Max Grav 9=1386(LC 1), 2=1479(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2599/173, 3-4=-2303/189, 4-5=-2666/204, 5-6=-2666/204, 6-7=-1659/113, 7-8=-1659/113, 8-9=-1326/135
BOT CHORD 2-14=-226/2233, 13-14=-226/2233, 12-13=-178/2026, 11-12=-175/2510, 10-11=-175/2510
WEBS 3-13=-337/75, 4-13=-6/363, 4-12=-38/853, 5-12=-420/125, 6-10=-1044/79, 7-10=-419/120, 8-10=-136/2003

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 34-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2.



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

August 14,2025

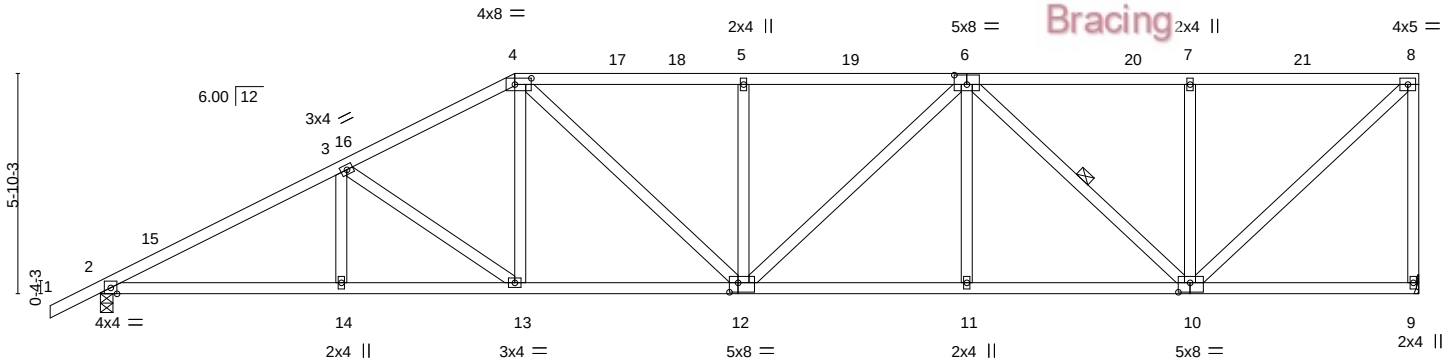
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	A03	HALF HIP	1	1	T38210372
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:04 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-p_pKUvFGXwbA?vKjDXM?yzzFHtPBN3z5hDnDySyoIcv

-1-4-0	6-4-12	11-0-0	17-0-14	23-0-0	28-11-2	35-0-0
1-4-0	6-4-12	4-7-4	6-0-14	5-11-2	5-11-2	6-0-14

Scale = 1:61.2



6-4-12	11-0-0	17-0-14	23-0-0	28-11-2	35-0-0
6-4-12	4-7-4	6-0-14	5-11-2	5-11-2	6-0-14

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [6:0-4-0,0-3-0], [10:0-3-12,0-3-0], [12:0-2-12,0-3-0]

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	0.80	Vert(LL)	-0.13	12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.28	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.08	12	>999	240	Weight: 206 lb	FT = 20%

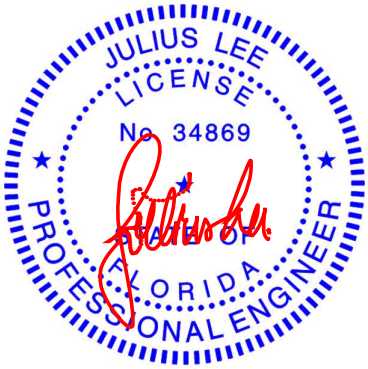
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-10

REACTIONS. (size) 9=Mechanical, 2=0-4-0
Max Horz 2=156(LC 12)
Max Uplift 9=-70(LC 12), 2=-93(LC 12)
Max Grav 9=1386(LC 1), 2=1479(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2606/164, 3-4=-2161/173, 4-5=-2198/179, 5-6=-2208/182, 6-7=-1272/92, 7-8=-1272/92, 8-9=-1331/137
BOT CHORD 2-14=-244/2241, 13-14=-244/2241, 12-13=-177/1877, 11-12=-148/1982, 10-11=-148/1982
WEBS 3-13=-452/81, 4-13=0/390, 4-12=-12/541, 5-12=-390/116, 6-12=-49/307, 6-10=-973/78, 7-10=-389/112, 8-10=-124/1722

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 34-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2.



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

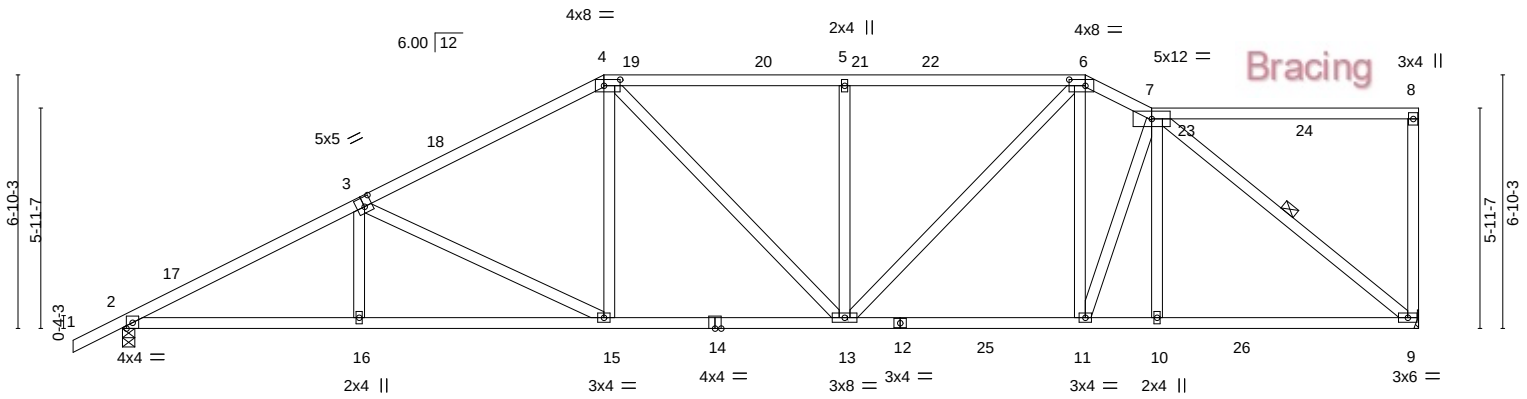
August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	A04	ROOF SPECIAL	1	1	T38210373
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:05 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-HANjhFGuIDj1d3vvnFtEVAVRRHji6RqFwtXmUuyoIcu

-1-4-0	6-4-11	13-0-0	19-6-0	26-0-0	27-9-8	35-0-0
1-4-0	6-4-11	6-7-5	6-6-0	6-6-0	1-9-8	7-2-8

Scale = 1:62.2



6-4-11	13-0-0	19-6-0	26-0-0	27-9-8	35-0-0
6-4-11	6-7-5	6-6-0	6-6-0	1-9-8	7-2-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.16	13-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.29	13-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.07	15	>999	240	Weight: 215 lb	FT = 20%

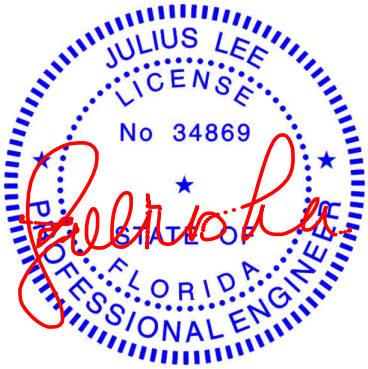
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-12 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=Mechanical, 2=0-4-0
Max Horz 2=158(LC 12)
Max Uplift 9=-70(LC 12), 2=-93(LC 12)
Max Grav 9=1563(LC 17), 2=1657(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2964/224, 3-4=-2291/221, 4-5=-2107/236, 5-6=-2107/236, 6-7=-1830/200
BOT CHORD 2-16=-314/2612, 15-16=-316/2606, 13-15=-215/2003, 11-13=-161/1616, 10-11=-157/1609, 9-10=-155/1615
WEBS 3-16=0/280, 3-15=-686/112, 4-15=0/567, 4-13=-10/314, 5-13=-447/137, 6-13=-75/719, 7-10=0/259, 7-9=-2031/192

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=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 26-0-0, Zone3 26-0-0 to 27-9-8, Zone1 27-9-8 to 34-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2.



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

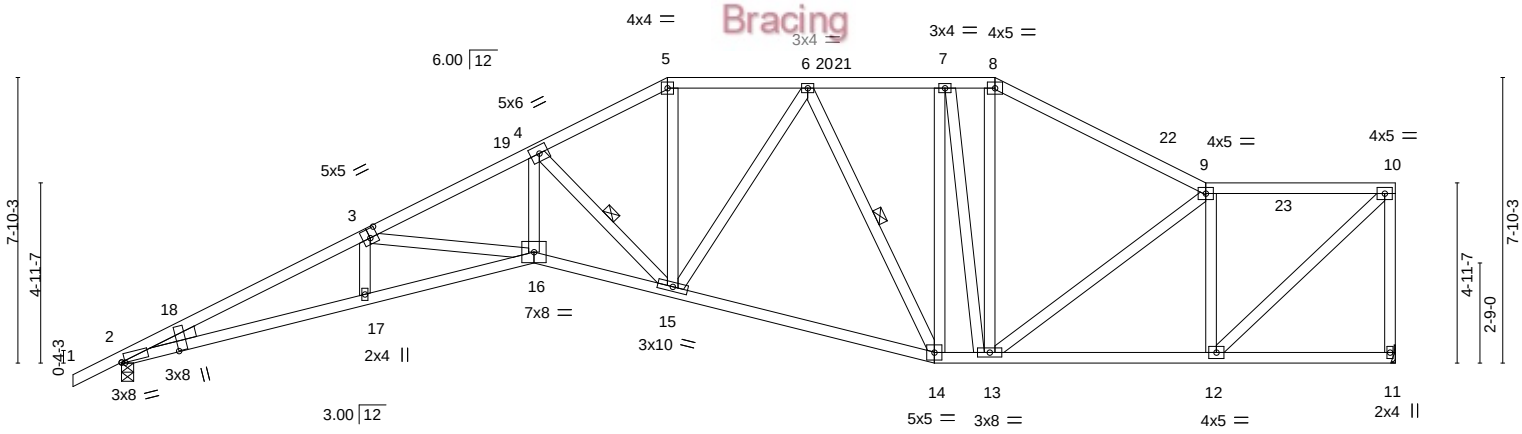
August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	A05	ROOF SPECIAL	1	1	T38210374
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:05 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-HANjhFGuIDj1d3vvnFtEVAVTIHhq6UGFwtXmUuyoIcu

-1-4-0	6-8-4	11-4-0	15-0-0	18-10-4	22-4-0	24-0-0	29-9-8	35-0-0
1-4-0	6-8-4	4-7-12	3-8-0	3-10-4	3-5-12	1-8-0	5-9-8	5-2-8

Scale = 1:63.3



6-8-4	11-4-0	15-0-0	22-4-0	24-0-0	29-9-8	35-0-0
6-8-4	4-7-12	3-8-0	7-4-0	1-8-0	5-9-8	5-2-8

Plate Offsets (X,Y)-- [2:0-0-15,1-7-5], [2:0-1-2,0-0-6], [3:0-2-8,0-3-0]

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	0.53	Vert(LL)	-0.30	16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.61	16-17	>679	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.34	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.19	16	>999	240	Weight: 230 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-3: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
2-16: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-

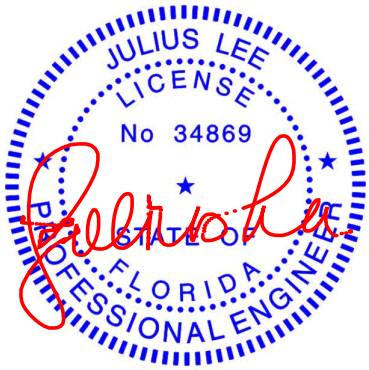
TOP CHORD Structural wood sheathing directly applied or 2-7-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-15, 6-14

REACTIONS. (size) 11=Mechanical, 2=0-4-0
Max Horz 2=134(LC 12)
Max Uplift 11=-67(LC 12), 2=-96(LC 12)
Max Grav 11=1386(LC 1), 2=1479(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4770/499, 3-4=-4041/494, 4-5=-2342/307, 5-6=-2069/300, 6-7=-1471/230, 7-8=-1398/223, 8-9=-1630/216, 9-10=-1283/137, 10-11=-1340/195
BOT CHORD 2-17=-551/4287, 16-17=-554/4275, 15-16=-478/3662, 14-15=-224/1861, 13-14=-157/1459, 12-13=-143/1316
WEBS 3-17=0/257, 3-16=-607/75, 4-16=-226/2059, 4-15=-2152/327, 5-15=-59/806, 6-15=-38/546, 6-14=-774/120, 7-14=-9/368, 7-13=-505/63, 8-13=-14/471, 9-12=-1088/202, 10-12=-183/1744

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 24-0-0, Zone2 24-0-0 to 28-2-15, Zone1 28-2-15 to 34-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 2.



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

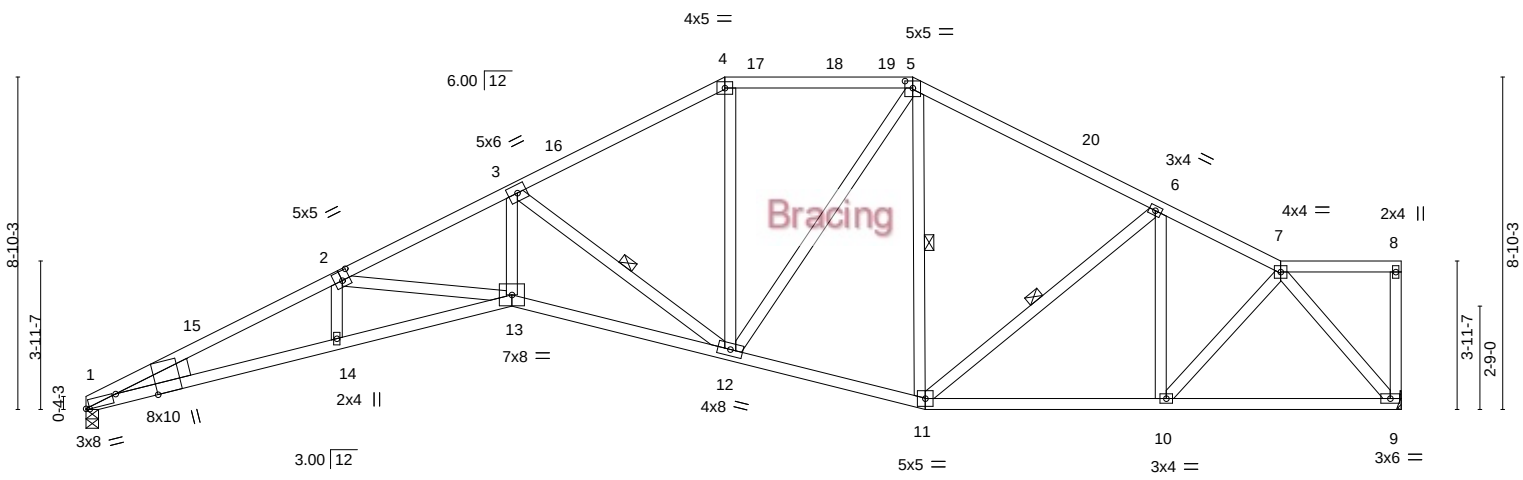
August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210375
6251988	A06	ROOF SPECIAL	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:06 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-lNx5vbGW3XruFDT6LyOT1O2cah1JrwaO9XGK0KyoIct

6-8-1	11-4-0	17-0-0	22-0-0	28-7-3	31-9-8	35-0-0
6-8-1	4-7-15	5-8-0	5-0-0	6-7-4	3-2-4	3-2-8

Scale = 1:61.3



6-8-1	11-4-0	17-0-0	22-4-0	26-10-12	35-0-0
6-8-1	4-7-15	5-8-0	5-4-0	4-6-12	8-1-4

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

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	0.68	Vert(LL)	-0.32	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.63	13	>657	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.36	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.20	13	>999	240	Weight: 211 lb	FT = 20%

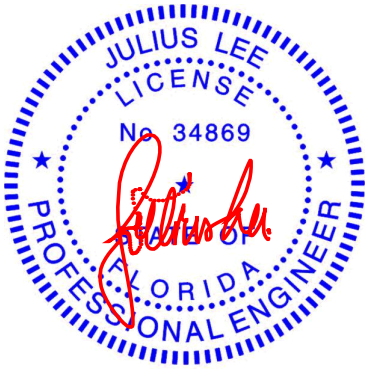
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-2: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
1-13: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-3-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-0 oc bracing.
WEBS 1 Row at midpt 3-12, 5-11, 6-11

REACTIONS. (size) 9=Mechanical, 1=0-4-0
Max Horz 1=111(LC 11)
Max Uplift 9=-65(LC 12), 1=-56(LC 12)
Max Grav 9=1388(LC 1), 1=1388(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4782/490, 2-3=-4084/488, 3-4=-1945/280, 4-5=-1680/287, 5-6=-1592/243, 6-7=-1582/181
BOT CHORD 1-14=-519/4319, 13-14=-522/4307, 12-13=-452/3715, 11-12=-136/1398, 10-11=-146/1412, 9-10=-128/1048
WEBS 2-13=-599/114, 3-13=-188/2115, 3-12=-2418/329, 4-12=-12/522, 5-12=-73/658, 6-10=-281/128, 7-10=-50/551, 7-9=-1609/200

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 0-2-0 to 3-2-0, Zone1 3-2-0 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 22-0-0, Zone2 22-0-0 to 26-2-15, Zone1 26-2-15 to 34-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 1.



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

August 14,2025

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)

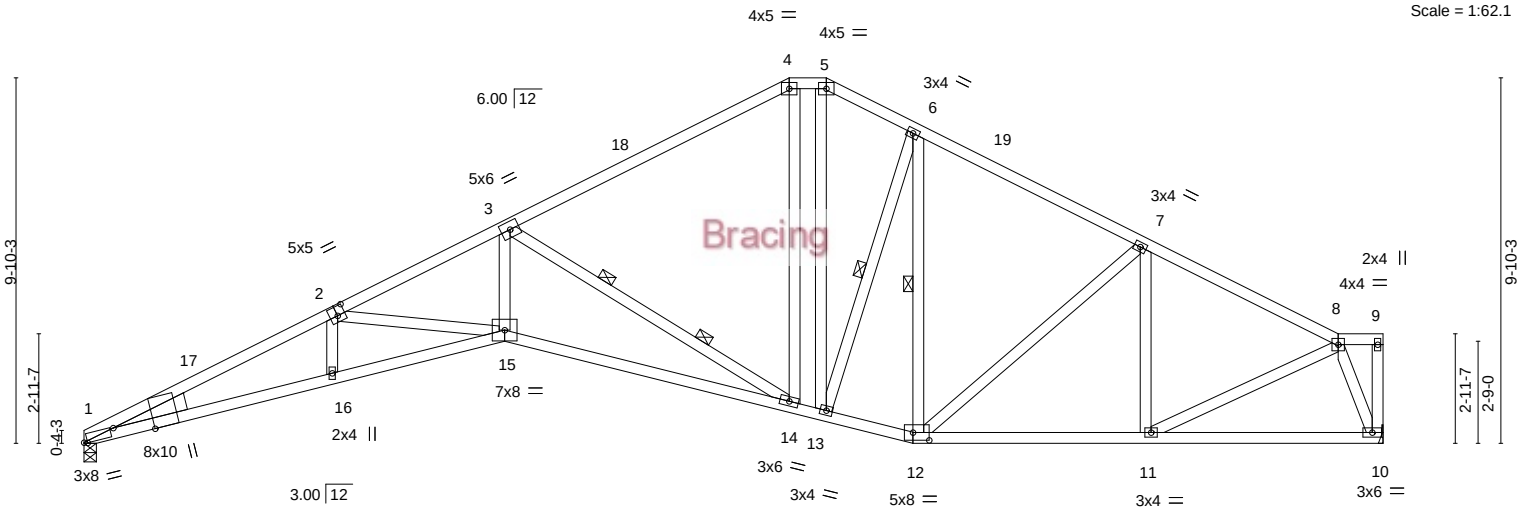
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	A07	ROOF SPECIAL	1	1	T38210376
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:07 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-EZVT6xH8qrzlsN2lvfviabanB4T1aKJXNB0tYnyoIcs

6-8-4	11-4-0	19-0-0	20-0-0	22-4-0	28-7-4	33-9-8	35-0-0
6-8-4	4-7-12	7-8-0	1-0-0	2-4-0	6-3-4	5-2-4	1-2-8

Scale = 1:62.1



6-8-4	11-4-0	19-0-0	20-0-0	22-4-0	28-7-4	35-0-0
6-8-4	4-7-12	7-8-0	1-0-0	2-4-0	6-3-4	6-4-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.33	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.74	14-15	>563	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.37	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.20	14-15	>999	240	Weight: 226 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
2-4,1-2: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP M 31 or 2x4 SP SS *Except*
10-12: 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2

BRACING-

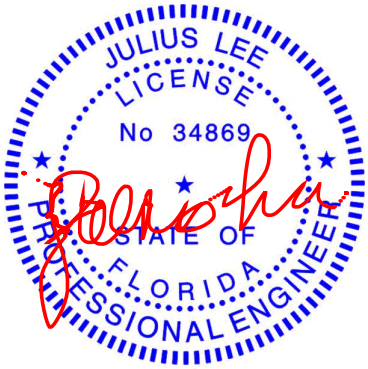
TOP CHORD Structural wood sheathing directly applied or 2-3-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-13, 6-12
2 Rows at 1/3 pts 3-14

REACTIONS. (size) 10=Mechanical, 1=0-4-0
Max Horz 1=136(LC 11)
Max Uplift 10=-63(LC 12), 1=-58(LC 12)
Max Grav 10=1388(LC 1), 1=1388(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4765/432, 2-3=-4132/402, 3-4=-1639/236, 4-5=-1374/244, 5-6=-1565/262, 6-7=-1591/219, 7-8=-1632/158
BOT CHORD 1-16=-408/4301, 15-16=-409/4295, 14-15=-355/3786, 13-14=-40/1291, 12-13=-90/1420, 11-12=-105/1410, 10-11=-58/549
WEBS 2-15=-530/105, 3-15=-124/2165, 3-14=-2699/310, 4-14=0/516, 5-13=-172/609, 6-13=-123/270, 6-12=-349/61, 7-11=-294/113, 8-11=-56/968, 8-10=-1431/172

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 0-2-0 to 3-2-0, Zone1 3-2-0 to 19-0-0, Zone3 19-0-0 to 20-0-0, Zone2 20-0-0 to 24-2-15, Zone1 24-2-15 to 34-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 1.



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

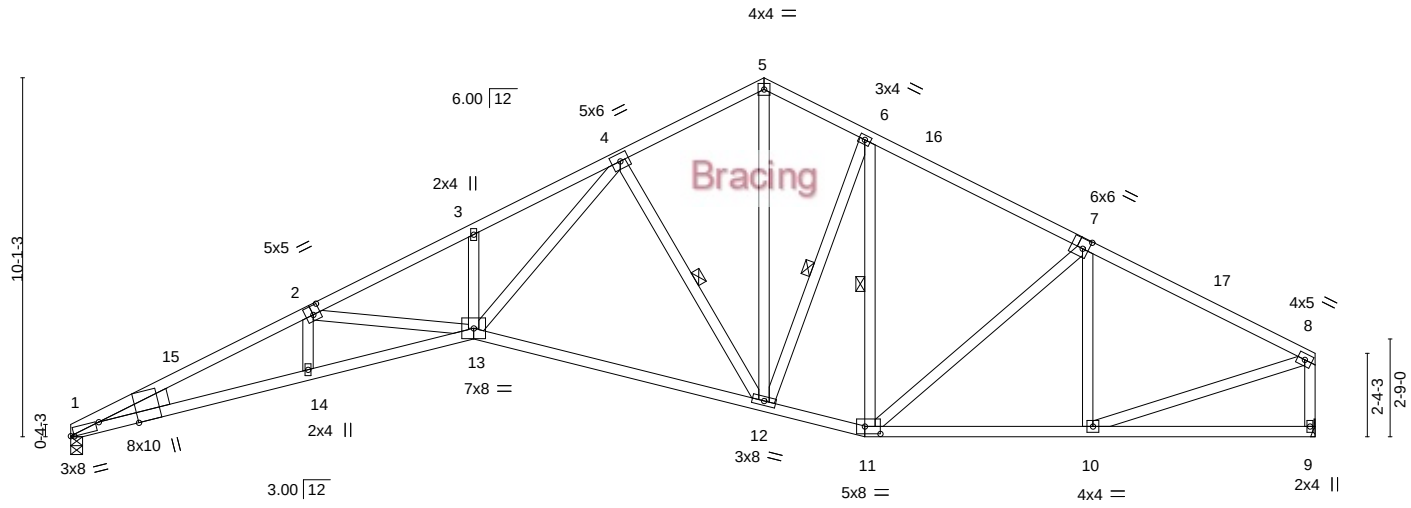
August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210377
6251988	A08	ROOF SPECIAL	2	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:07 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-EZVT6xH8qrzlsN2IvfviabanX4P1aOpXNB0tYnyoIcs

6-8-1	11-4-0	15-5-8	19-6-0	22-4-0	28-7-4	35-0-0
6-8-1	4-7-15	4-1-8	4-0-8	2-10-0	6-3-4	6-4-12

Scale = 1:64.8



6-8-1	11-4-0	19-6-0	22-4-0	28-7-4	35-0-0
6-8-1	4-7-15	8-2-0	2-10-0	6-3-4	6-4-12

Plate Offsets (X,Y)-- [1:0-3-8,Edge], [1:0-1-2,0-0-6], [2:0-2-8,0-3-0], [7:0-2-0,0-3-4], [11:0-5-4,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.32	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.70	12-13	>595	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.33	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.19	13	>999	240	Weight: 218 lb	FT = 20%

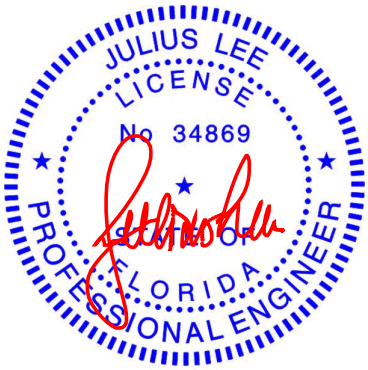
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-2: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
1-13: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-4-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-12, 6-12, 6-11

REACTIONS. (size) 1=0-4-0, 9=Mechanical
Max Horz 1=144(LC 11)
Max Uplift 1=-59(LC 12), 9=-62(LC 12)
Max Grav 1=1388(LC 1), 9=1388(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4789/404, 2-3=-4077/342, 3-4=-4051/392, 4-5=-1543/237, 5-6=-1531/243, 6-7=-1591/225, 7-8=-1651/171, 8-9=-1330/175
BOT CHORD 1-14=-364/4326, 13-14=-364/4320, 12-13=-126/2042, 11-12=-57/1396, 10-11=-92/1420
WEBS 2-13=-630/138, 4-12=-1285/188, 5-12=-147/1150, 7-10=-315/115, 8-10=-79/1417, 4-13=-176/2545

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 0-2-0 to 3-2-0, Zone1 3-2-0 to 19-6-0, Zone2 19-6-0 to 23-8-15, Zone1 23-8-15 to 34-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9.



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

August 14,2025

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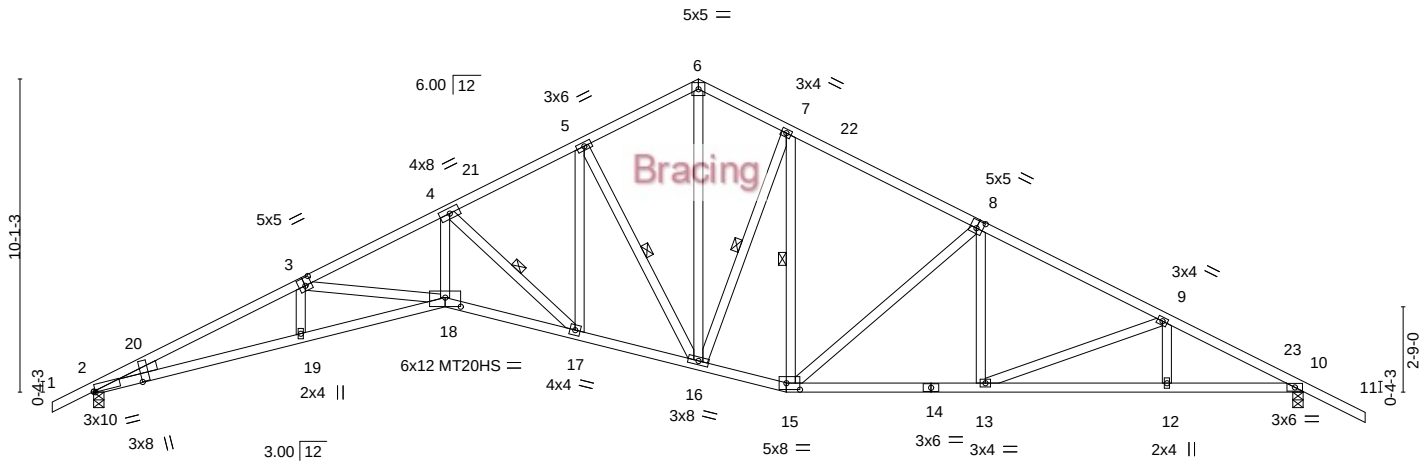
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210378
6251988	A09	ROOF SPECIAL	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:08 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-il3rJGImb85cUWdUSNQx6p7zTUibJoehcrlQ5DyoIcr

1-4-0	6-8-2	11-4-0	15-8-1	19-6-0	22-4-0	28-7-5	34-7-5	39-0-0	41-0-0
1-4-0	6-8-2	4-7-14	4-4-1	3-9-15	2-10-0	6-3-4	6-0-0	4-4-11	2-0-0

Scale = 1:74.3



6-8-2	11-4-0	15-8-1	19-6-0	22-4-0	28-7-5	34-7-5	39-0-0
6-8-2	4-7-14	4-4-1	3-9-15	2-10-0	6-3-4	6-0-0	4-4-11

Plate Offsets (X,Y)-- [2:0-0-15,1-7-5], [2:0-0-10,Edge], [3:0-2-8,0-3-0], [8:0-2-8,0-3-0], [15:0-5-4,0-2-8], [18:0-6-0,0-3-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.40	18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.81	17-18	>572	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.45	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.22	18	>999	240	Weight: 241 lb	FT = 20%

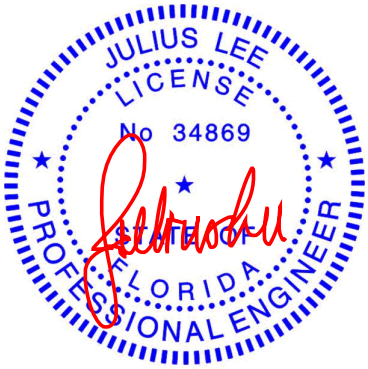
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-3: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
2-18: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-4-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 17-18.
WEBS 1 Row at midpt 4-17, 5-16, 7-16, 7-15

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=-176(LC 10)
Max Uplift 2=-109(LC 12), 10=-130(LC 12)
Max Grav 2=1635(LC 1), 10=1679(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5395/303, 3-4=-4703/291, 4-5=-2646/249, 5-6=-1894/258, 6-7=-1888/259, 7-8=-2050/240, 8-9=-2590/216, 9-10=-2989/199
BOT CHORD 2-19=-188/4857, 18-19=-191/4847, 17-18=-106/4279, 16-17=-12/2399, 15-16=-15/1817, 13-15=-73/2247, 12-13=-123/2590, 10-12=-123/2590
WEBS 3-18=-591/92, 4-18=-36/2369, 4-17=-2495/122, 5-17=-5/1333, 5-16=-1432/121, 6-16=-171/1477, 7-16=-403/130, 8-15=-651/83, 8-13=0/377, 9-13=-379/54

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 19-6-0, Zone2 19-6-0 to 23-8-15, Zone1 23-8-15 to 41-0-0 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) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=109, 10=130.



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

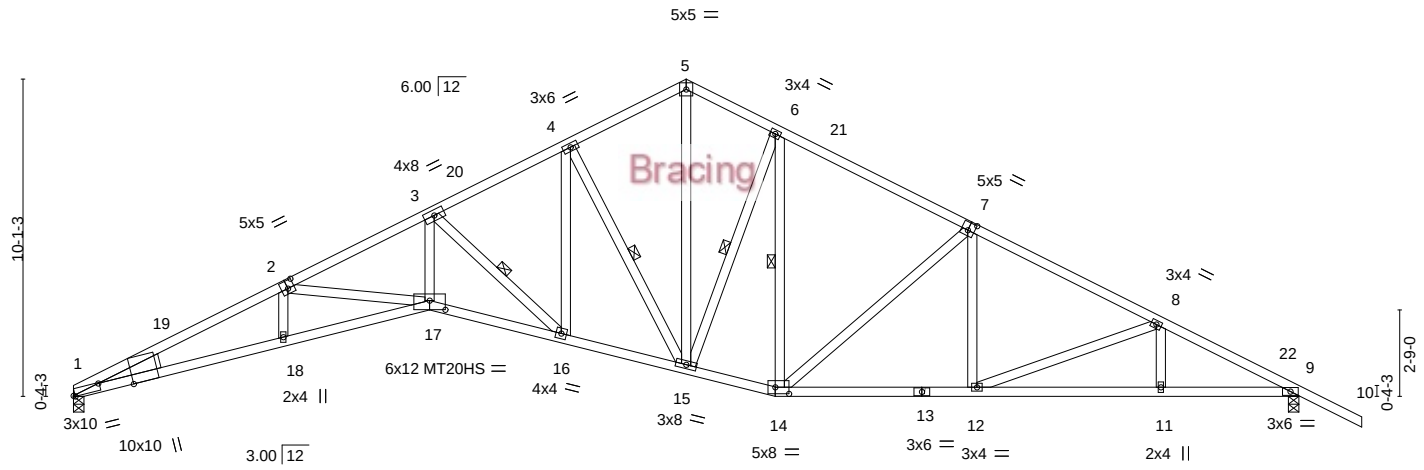
August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	A09A	ROOF SPECIAL	4	1	T38210379
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:09 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-AydDXcJOMSDS6gCh04yAf0g5Cu1m2FtqrVV_dfyoIcq

6-8-2	11-4-0	15-8-1	19-6-0	22-4-0	28-7-5	34-7-5	39-0-0	41-0-0
6-8-2	4-7-14	4-4-1	3-9-15	2-10-0	6-3-4	6-0-0	4-4-11	2-0-0

Scale = 1:73.3



6-8-2	11-4-0	15-8-1	19-6-0	22-4-0	28-7-5	34-7-5	39-0-0
6-8-2	4-7-14	4-4-1	3-9-15	2-10-0	6-3-4	6-0-0	4-4-11

Plate Offsets (X,Y)-- [1:0-3-8,Edge], [1:0-0-10,Edge], [2:0-2-8,0-3-0], [7:0-2-8,0-3-0], [14:0-5-4,0-2-8], [17:0-6-0,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	-0.41	17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.82	16-17	>569	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.45	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.23	17	>999	240	Weight: 242 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-2: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
1-17: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2

BRACING-

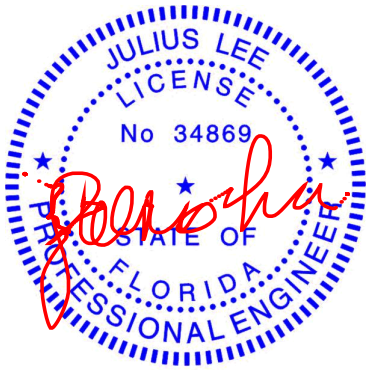
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 16-17.
WEBS 1 Row at midpt 3-16, 4-15, 6-15, 6-14

REACTIONS. (size) 1=0-4-0, 9=0-4-0
Max Horz 1=-174(LC 10)
Max Uplift 1=-65(LC 12), 9=-131(LC 12)
Max Grav 1=1543(LC 1), 9=1680(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5418/377, 2-3=-4721/325, 3-4=-2653/262, 4-5=-1899/266, 5-6=-1892/266, 6-7=-2053/242, 7-8=-2594/223, 8-9=-2992/206
BOT CHORD 1-18=-265/4899, 17-18=-267/4888, 16-17=-134/4294, 15-16=-24/2406, 14-15=-22/1820, 12-14=-80/2250, 11-12=-129/2593, 9-11=-129/2593
WEBS 2-18=0/251, 2-17=-618/129, 3-17=-67/2386, 3-16=-2506/142, 4-16=-16/1339, 4-15=-1438/123, 5-15=-179/1481, 6-15=-403/129, 7-14=-650/83, 7-12=0/377, 8-12=-379/53

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 0-2-0 to 3-2-0, Zone1 3-2-0 to 19-6-0, Zone2 19-6-0 to 23-8-15, Zone1 23-8-15 to 41-0-0 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) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=131.



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Date:

August 14,2025

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Chesterfield, MO 63017
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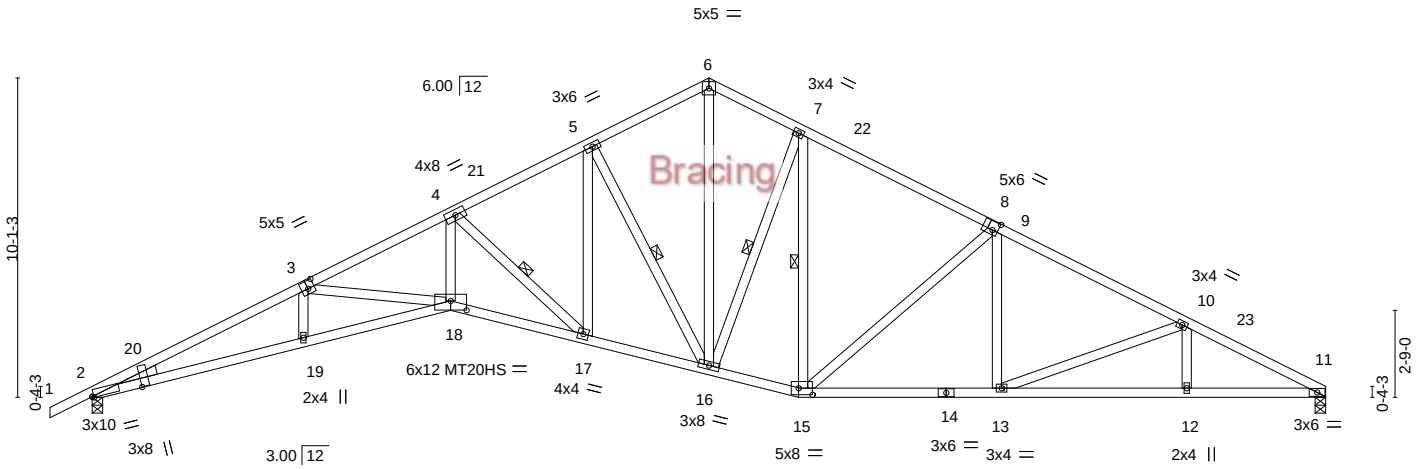
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210380
6251988	A10	ROOF SPECIAL	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:09 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-AydDXcJOMSDS6gCh04yAf0g8Bu1m2FdqrVV_dfyoIcq

1-4-0	6-8-2	11-4-0	15-8-1	19-6-0	22-4-0	28-7-5	34-7-5	39-0-0
1-4-0	6-8-2	4-7-14	4-4-1	3-9-15	2-10-0	6-3-4	6-0-0	4-4-11

Scale = 1:72.8



6-8-2	11-4-0	15-8-1	19-6-0	22-4-0	28-7-5	34-7-5	39-0-0
6-8-2	4-7-14	4-4-1	3-9-15	2-10-0	6-3-4	6-0-0	4-4-11

Plate Offsets (X,Y)-- [2:0-0-15,1-7-5], [2:0-0-10,Edge], [3:0-2-8,0-3-0], [8:0-2-0,0-3-4], [15:0-5-4,0-2-8], [18:0-6-0,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.40	18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.81	17-18	>570	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.45	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.23	18	>999	240	Weight: 238 lb	FT = 20%

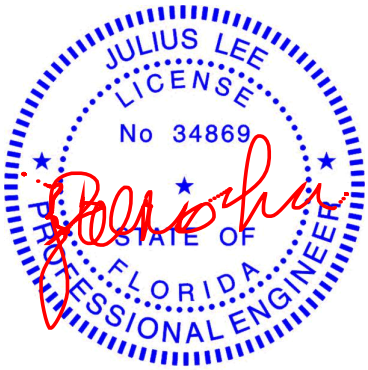
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-3: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
2-18: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-4-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 17-18.
WEBS 1 Row at midpt 4-17, 5-16, 7-16, 7-15

REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=169(LC 11)
Max Uplift 2=-111(LC 12), 11=-67(LC 12)
Max Grav 2=1638(LC 1), 11=1545(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5410/348, 3-4=-4718/329, 4-5=-2656/258, 5-6=-1903/262, 6-7=-1898/276, 7-9=-2062/256, 9-10=-2614/248, 10-11=-3041/263
BOT CHORD 2-19=-270/4870, 18-19=-272/4860, 17-18=-179/4293, 16-17=-61/2408, 15-16=-38/1828, 13-15=-98/2272, 12-13=-187/2657, 11-12=-187/2657
WEBS 3-18=-591/90, 4-18=-74/2376, 4-17=-2501/154, 5-17=-21/1336, 5-16=-1435/139, 6-16=-176/1487, 7-16=-411/128, 9-15=-664/92, 9-13=0/381, 10-13=-428/97

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 19-6-0, Zone2 19-6-0 to 23-8-15, Zone1 23-8-15 to 38-10-0 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) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=111.



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

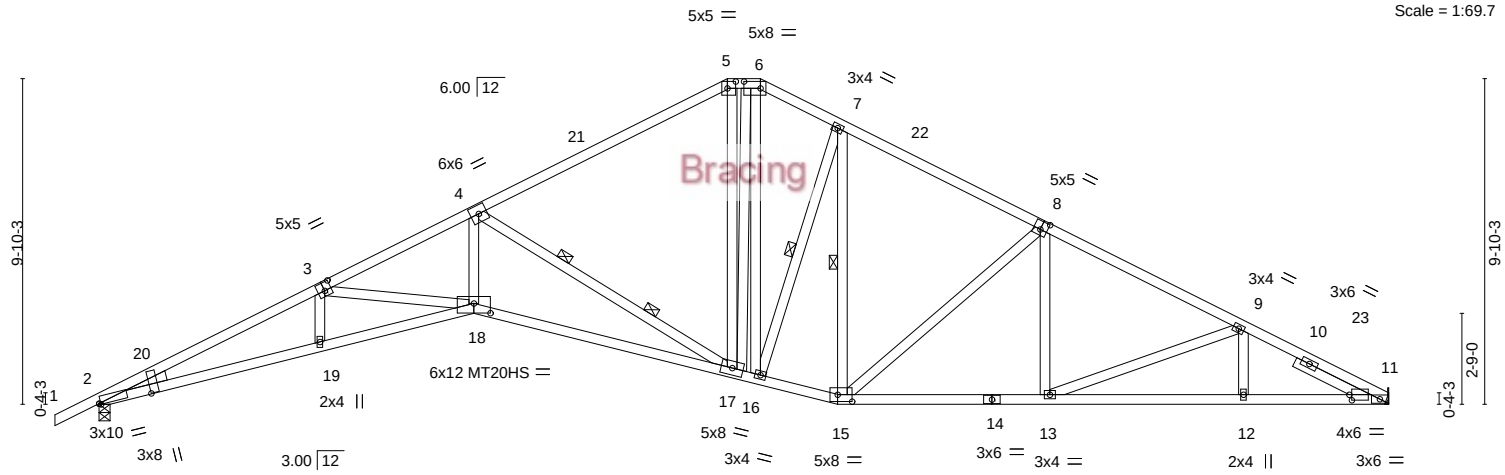
August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	A11	HIP	1	1	T38210381
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:10 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-e8AckyJ07mLJjqntaoTPCECJkIRFngt_49EX95yoIcp

1-4-0	6-8-2	11-4-0	19-0-0	20-0-0	22-4-0	28-7-5	34-7-5	39-0-0
1-4-0	6-8-2	4-7-14	7-8-0	1-0-0	2-4-0	6-3-4	6-0-0	4-4-11

Scale = 1:69.7



6-8-2	11-4-0	19-0-0	20-0-0	22-4-0	28-7-5	34-7-5	39-0-0
6-8-2	4-7-14	7-8-0	1-0-0	2-4-0	6-3-4	6-0-0	4-4-11

Plate Offsets (X,Y)-- [2:0-0-15,1-7-5], [2:0-0-10,Edge], [3:0-2-8,0-3-0], [5:0-3-0,0-2-8], [6:0-6-0,0-2-8], [8:0-2-8,0-3-0], [11:0-0-15,0-2-0], [15:0-5-4,0-2-8], [18:0-6-0,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.40	18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.83	17-18	>560	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.45	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.23	18	>999	240	Weight: 251 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	3-5,1-3: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD	2x4 SP M 31 or 2x4 SP SS *Except*
	14-15,11-14: 2x4 SP No.2
WEBS	2x4 SP No.2
WEDGE	
Left: 2x4 SP No.2	
SLIDER	Right 2x4 SP No.2 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-4-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 7-16, 7-15
	2 Rows at 1/3 pts 4-17

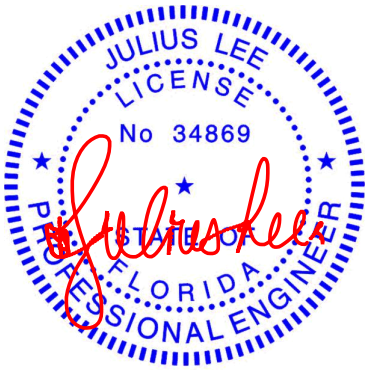
REACTIONS. (size) 2=0-4-0, 11=Mechanical
Max Horz 2=165(LC 11)
Max Uplift 2=-111(LC 12), 11=-67(LC 12)
Max Grav 2=1643(LC 1), 11=1549(LC 1)

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

TOP CHORD	2-3=-5407/317, 3-4=-4786/317, 4-5=-2049/218, 5-6=-1746/233, 6-7=-1929/253, 7-8=-2074/231, 8-9=-2636/219, 9-11=-3088/220
BOT CHORD	2-19=-246/4864, 18-19=-247/4856, 17-18=-188/4380, 16-17=0/1757, 15-16=-24/1840, 13-15=-87/2288, 12-13=-159/2712, 11-12=-159/2712
WEBS	3-18=-502/63, 4-18=-42/2415, 4-17=-2953/214, 5-17=0/497, 6-17=-4/747, 6-16=-180/287, 7-16=-428/124, 8-15=-674/90, 8-13=0/390, 9-13=-460/78

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 19-0-0, Zone3 19-0-0 to 20-0-0, Zone2 20-0-0 to 24-2-15, Zone1 24-2-15 to 38-11-4 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
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.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=111.



Julius Lee PE No. 34869
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: August 14,2025

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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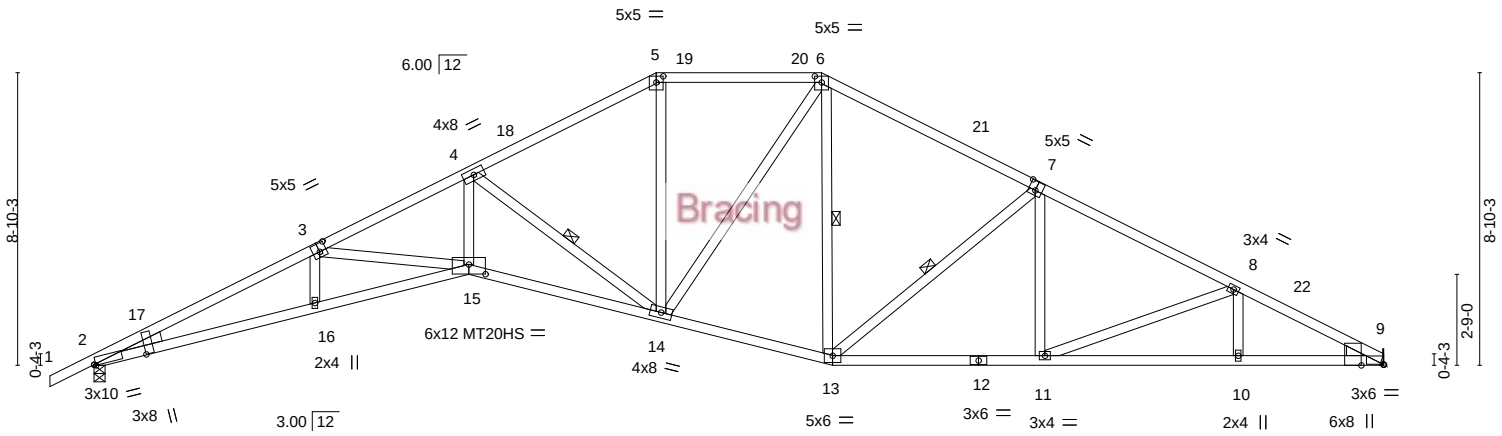
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame	T38210382
6251988	A12	HIP	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:11 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-6Kk_yIKfu3UAL_M38V_ekRlUVindWA67Ip_4hYyoIco

1-4-0	6-8-2	11-4-0	17-0-0	22-0-0	28-7-4	34-7-3	39-0-0
1-4-0	6-8-2	4-7-14	5-8-0	5-0-0	6-7-4	5-11-15	4-4-13

Scale = 1:69.7



6-8-2	11-4-0	17-0-0	22-4-0	28-7-4	34-7-3	39-0-0
6-8-2	4-7-14	5-8-0	5-4-0	6-3-4	5-11-15	4-4-13

Plate Offsets (X,Y)-- [2:0-0-15,1-7-5], [2:0-0-10,Edge], [3:0-2-8,0-3-0], [5:0-2-8,0-2-4], [6:0-2-8,0-2-4], [7:0-2-8,0-3-4], [9:0-0-4,Edge], [9:0-0-4,Edge], [15:0-6-0,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.39	15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.79	14-15	>590	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.43	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.23	15	>999	240	Weight: 218 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-3: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
2-15,13-15: 2x4 SP M 31 or 2x4 SP SS
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 2-4-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-14, 6-13, 7-13

REACTIONS. (size) 2=0-4-0, 9=Mechanical
Max Horz 2=149(LC 11)
Max Uplift 2=-111(LC 12), 9=-67(LC 12)
Max Grav 2=1643(LC 1), 9=1549(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5419/356, 3-4=-4753/349, 4-5=-2363/248, 5-6=-2058/252, 6-7=-2068/246, 7-8=-2639/236, 8-9=-3099/237
BOT CHORD 2-16=-282/4877, 15-16=-284/4867, 14-15=-210/4334, 13-14=-34/1828, 11-13=-108/2292, 10-11=-174/2720, 9-10=-174/2720
WEBS 3-15=-551/74, 4-15=-72/2393, 4-14=-2701/203, 5-14=-10/709, 6-14=-10/609, 7-13=-690/106, 7-11=0/382, 8-11=-462/77

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 22-0-0, Zone2 22-0-0 to 26-2-15, Zone1 26-2-15 to 38-11-4 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
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.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 2=111.

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Date:

August 14,2025

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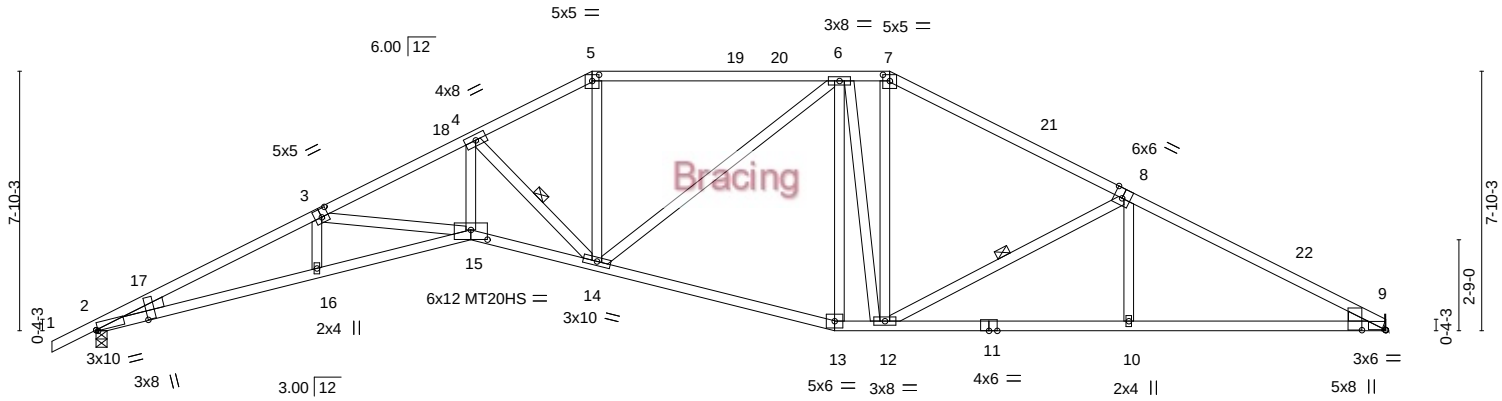
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210383
6251988	A13	HIP	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:11 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-6Kk_yIKfu3UAL_M38V_ekRlOciljWC07Ip_4hYyoIco

1-4-0	6-8-2	11-4-0	15-0-0	22-4-0	24-0-0	31-2-12	39-0-0
1-4-0	6-8-2	4-7-14	3-8-0	7-4-0	1-8-0	7-2-12	7-9-4

Scale = 1:69.7



6-8-2	11-4-0	15-0-0	22-4-0	24-0-0	31-2-12	39-0-0
6-8-2	4-7-14	3-8-0	7-4-0	1-8-0	7-2-12	7-9-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.99	Vert(LL)	-0.38	15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.76	15	>614	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.42	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.22	15	>999	240	Weight: 220 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-3,8-9: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
2-15,13-15: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-14, 8-12

REACTIONS. (size) 2=0-4-0, 9=Mechanical
Max Horz 2=132(LC 11)
Max Uplift 2=-111(LC 12), 9=-67(LC 12)
Max Grav 2=1643(LC 1), 9=1549(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5431/360, 3-4=-4725/344, 4-5=-2815/260, 5-6=-2505/255, 6-7=-1912/243, 7-8=-2234/237, 8-9=-2935/231
BOT CHORD 2-16=-287/4890, 15-16=-290/4879, 14-15=-201/4291, 13-14=-70/2054, 12-13=-59/1982, 10-12=-146/2557, 9-10=-146/2557
WEBS 3-16=0/253, 3-15=-591/87, 4-15=-97/2355, 4-14=-2405/181, 5-14=-14/904, 6-14=-2/723, 6-13=-424/51, 6-12=-552/80, 7-12=-69/827, 8-12=-752/116, 8-10=0/341

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 24-0-0, Zone2 24-0-0 to 28-2-15, Zone1 28-2-15 to 38-11-4 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
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.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 2=111.

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

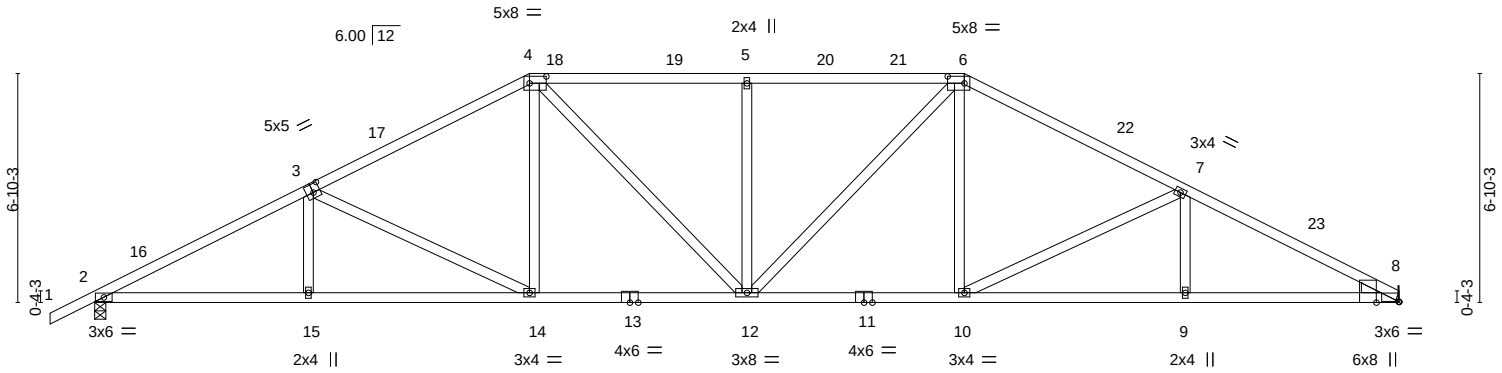
August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	A14	HIP	1	1	T38210384
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:12 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-aXIM9eLHeNc1z8xGhDVtHfIdg54UFc?HXTjeE_yoIcn

1-4-0	6-4-11	13-0-0	19-6-0	26-0-0	32-7-4	39-0-0
1-4-0	6-4-11	6-7-5	6-6-0	6-6-0	6-7-5	6-4-12

Scale = 1:68.9



6-4-11	13-0-0	19-6-0	26-0-0	32-7-4	39-0-0
6-4-11	6-7-5	6-6-0	6-6-0	6-7-5	6-4-12

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [4:0-6-0,0-2-8], [6:0-6-0,0-2-8], [8:0-0-4,Edge], [8:0-0-4,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	0.71	Vert(LL)	-0.24	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.44	10-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.17	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.11	12	>999	240	Weight: 208 lb	FT = 20%

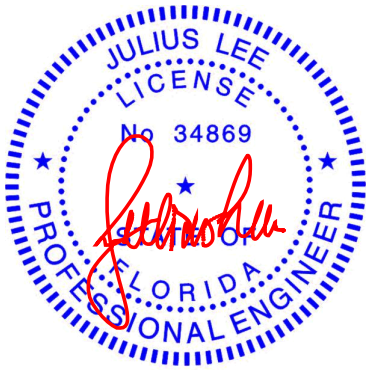
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 8-9.

REACTIONS. (size) 2=0-4-0, 8=Mechanical
Max Horz 2=116(LC 11)
Max Uplift 2=-111(LC 12), 8=-67(LC 12)
Max Grav 2=1819(LC 17), 8=1738(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3314/226, 3-4=-2648/229, 4-5=-2594/259, 5-6=-2594/259, 6-7=-2664/234, 7-8=-3353/233
BOT CHORD 2-15=-156/2958, 14-15=-158/2952, 12-14=-67/2358, 10-12=-64/2302, 9-10=-159/2939, 8-9=-159/2939
WEBS 3-15=0/279, 3-14=-676/100, 4-14=0/566, 4-12=-38/524, 5-12=-437/123, 6-12=-35/511, 6-10=0/584, 7-10=-734/106, 7-9=0/284

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 26-0-0, Zone2 26-0-0 to 30-2-15, Zone1 30-2-15 to 38-11-4 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
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 2=111.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 14,2025

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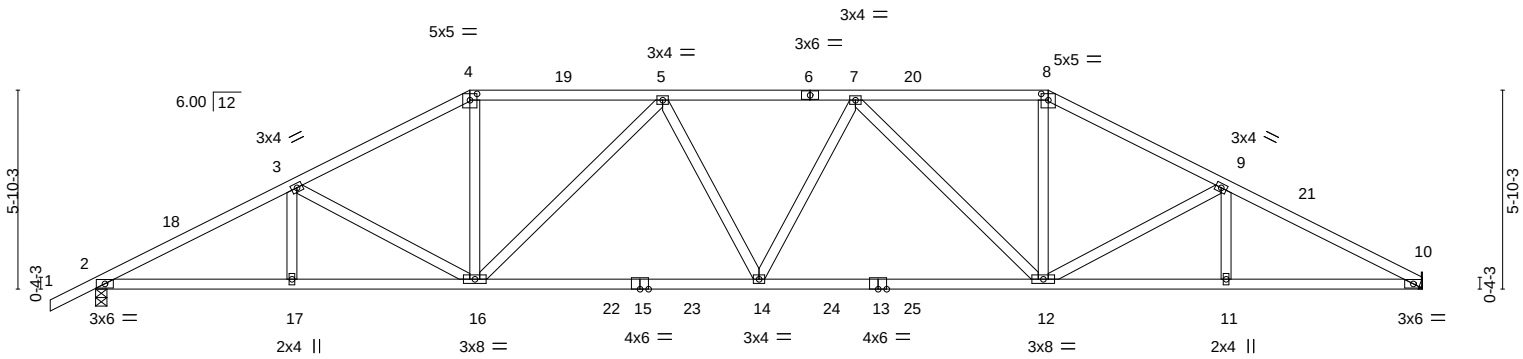
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	A15	Hip	1	1	T38210385
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:13 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-2jskN_MvPhkuaIWSFw06psqotVQm_2kQm7TBmQyoIcm

1-4-0	5-9-4	11-0-0	16-8-0	22-4-0	28-0-0	33-2-12	39-0-0
1-4-0	5-9-4	5-2-12	5-8-0	5-8-0	5-8-0	5-2-12	5-9-4

Scale = 1:67.7



5-9-4	11-0-0	19-6-0	28-0-0	33-2-12	39-0-0
5-9-4	5-2-12	8-6-0	8-6-0	5-2-12	5-9-4

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

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	0.74	Vert(LL)	-0.31	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.57	12-14	>810	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.17	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.12	14	>999	240	Weight: 203 lb	FT = 20%

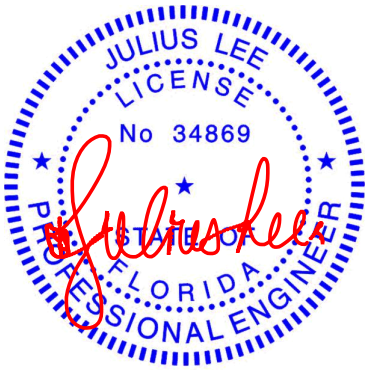
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
13-15: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (size) 10=Mechanical, 2=0-4-0
Max Horz 2=109(LC 11)
Max Uplift 10=-67(LC 12), 2=-111(LC 12)
Max Grav 10=1741(LC 18), 2=1824(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3321/243, 3-4=-2817/238, 4-5=-2495/240, 5-7=-3033/262, 7-8=-2514/241, 8-9=-2840/247, 9-10=-3368/252
BOT CHORD 2-17=-175/2958, 16-17=-175/2958, 14-16=-138/2982, 12-14=-145/2962, 11-12=-178/2951, 10-11=-178/2951
WEBS 3-16=-517/94, 4-16=-9/962, 5-16=-745/78, 5-14=0/261, 7-12=-731/74, 8-12=-15/976, 9-12=-573/102

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=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-6-13, Zone1 2-6-13 to 11-0-0, Zone2 11-0-0 to 16-8-0, Zone1 16-8-0 to 28-0-0, Zone2 28-0-0 to 33-2-12, Zone1 33-2-12 to 38-11-4 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
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 2=111.



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

August 14,2025

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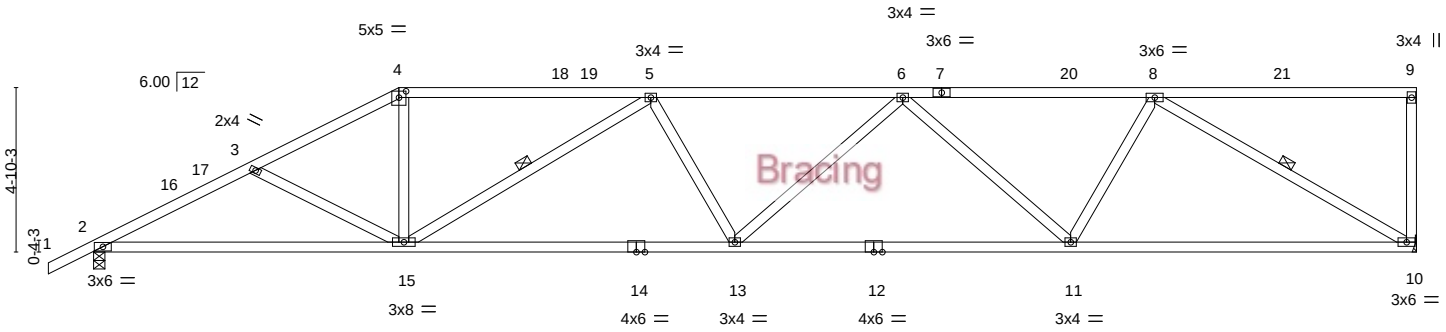
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	A16	Half Hip	1	1	T38210386
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:13 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-2jskN_MvPhkuaIWSFw06psqmbVWH_0FQm7TBmQyoIcm

1-4-0	4-9-4	9-0-0	16-5-2	23-10-4	31-3-6	39-0-0
1-4-0	4-9-4	4-2-12	7-5-2	7-5-2	7-5-2	7-8-10

Scale = 1:67.9



9-0-0	18-10-13	28-9-11	39-0-0
9-0-0	9-10-13	9-10-13	10-2-5

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

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	0.89	Vert(LL)	-0.23	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.51	10-11	>913	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.14	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.14	13	>999	240	Weight: 199 lb	FT = 20%

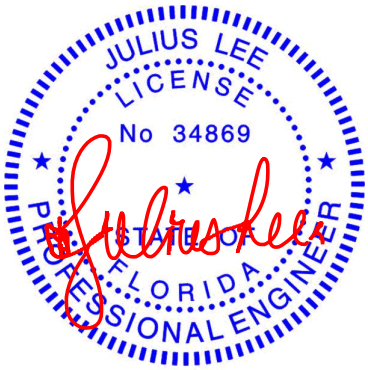
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-15, 8-10

REACTIONS. (size) 10=Mechanical, 2=0-4-0
Max Horz 2=132(LC 12)
Max Uplift 10=-73(LC 12), 2=-104(LC 12)
Max Grav 10=1546(LC 1), 2=1639(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2950/242, 3-4=-2697/189, 4-5=-2388/191, 5-6=-3287/219, 6-8=-2546/141
BOT CHORD 2-15=-303/2558, 13-15=-270/3253, 11-13=-241/3148, 10-11=-164/2129
WEBS 4-15=0/847, 5-15=-1099/95, 6-13=0/264, 6-11=-818/138, 8-11=0/874, 8-10=-2437/192

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=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-6-13, Zone1 2-6-13 to 9-0-0, Zone2 9-0-0 to 14-6-3, Zone1 14-6-3 to 38-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 2=104.



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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	2117-A-14x10 Lamai-Frame
6251988	A17	Half Hip Girder	1	2	T38210387

Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:14 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-WvQ6aKMXA_slCR5epeXLM4N5Rvs0jdFZ_nCIltyoIcl

1-4-0	3-9-4	7-0-0	12-5-3	17-8-9	23-0-0	28-3-7	33-6-13	39-0-0
1-4-0	3-9-4	3-2-12	5-5-3	5-3-7	5-3-7	5-3-7	5-3-7	5-5-3

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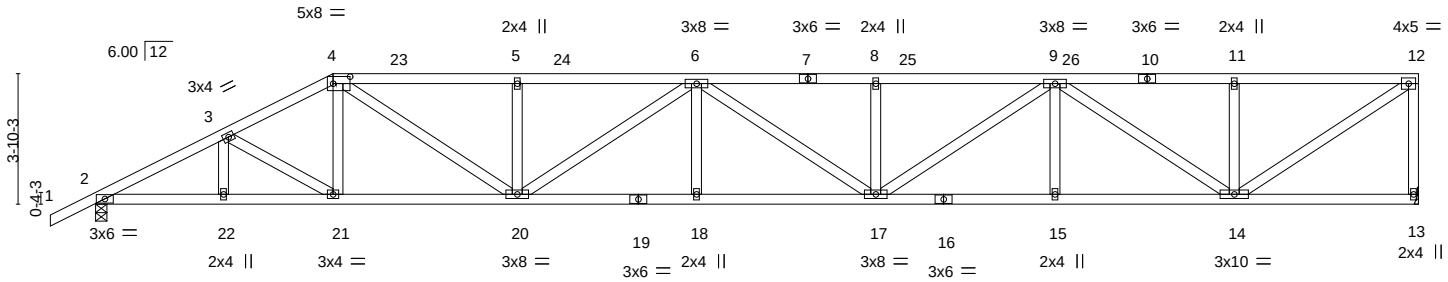


3-9-4	7-0-0	12-5-3	17-8-9	23-0-0	28-3-7	33-6-13	39-0-0
3-9-4	3-2-12	5-5-3	5-3-7	5-3-7	5-3-7	5-3-7	5-5-3

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

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	0.24	Vert(LL)	-0.18	17-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.37	17-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.09	13	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.11	18	>999	240	Weight: 429 lb	FT = 20%

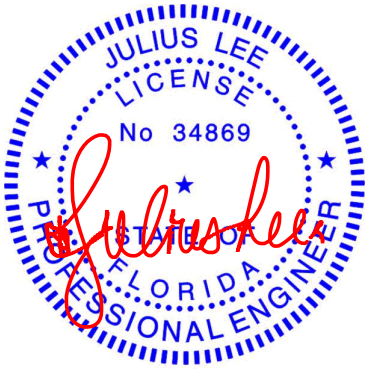
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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) 13=Mechanical, 2=0-4-0
Max Horz 2=108(LC 8)
Max Uplift 13=-70(LC 8), 2=-107(LC 8)
Max Grav 13=1546(LC 1), 2=1639(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2988/111, 3-4=-2795/133, 4-5=-3681/183, 5-6=-3681/183, 6-8=-4107/192, 8-9=-4107/192, 9-11=-2036/93, 11-12=-2036/93, 12-13=-1494/97
BOT CHORD 2-22=-151/2586, 21-22=-151/2586, 20-21=-131/2472, 18-20=-201/4203, 17-18=-201/4203, 15-17=-157/3380, 14-15=-157/3380
WEBS 4-20=-63/1490, 5-20=-338/89, 6-20=-670/21, 8-17=-319/83, 9-17=-43/876, 9-14=-1621/76, 11-14=-340/89, 12-14=-111/2423

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: 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=39ft; 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) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 2=107.



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Date:

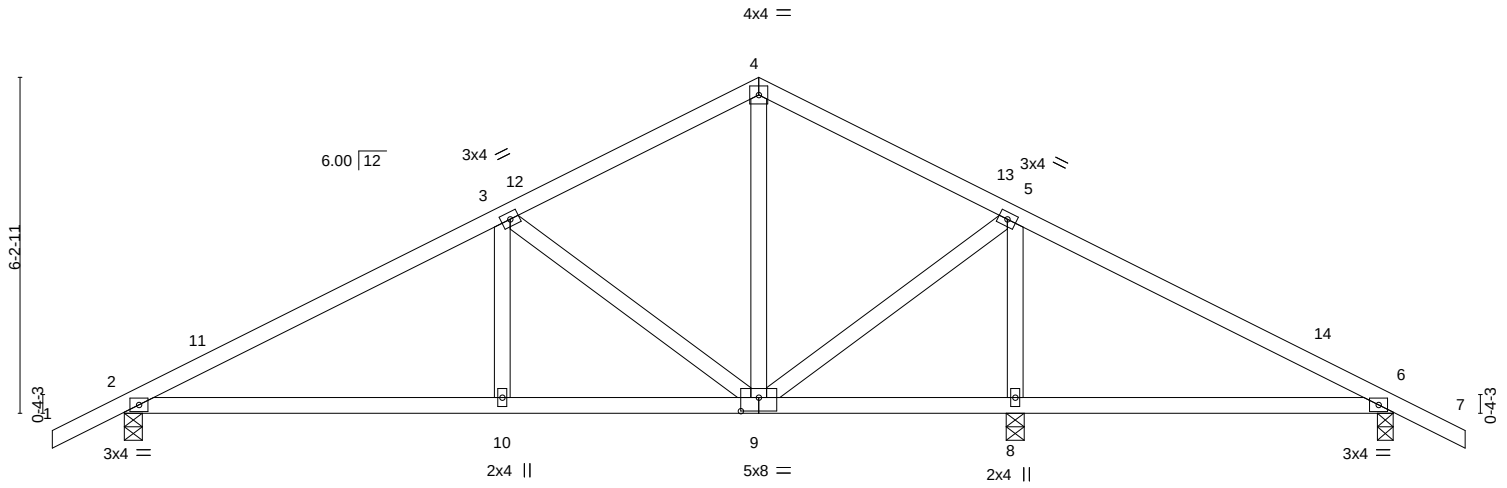
August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	B01	COMMON	1	1	T38210388
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:14 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-WvQ6aKMXA_slCR5epeXLM4N0ZvttjcMZ_nCIltyoIcI

-1-4-0	7-0-0	11-9-0	16-6-0	23-6-0	24-10-0
1-4-0	7-0-0	4-9-0	4-9-0	7-0-0	1-4-0

Scale = 1:42.7



7-0-0	11-9-0	16-6-0	23-6-0
7-0-0	4-9-0	4-9-0	7-0-0

Plate Offsets (X,Y)-- [9:0-4-0,0-3-0]

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	0.56	Vert(LL)	-0.06	2-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.15	2-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.07	6-8	>999	240	Weight: 114 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 8=0-4-0, 6=0-3-8
Max Horz 2=-108(LC 10)
Max Uplift 2=-72(LC 12), 8=-95(LC 12), 6=-115(LC 12)
Max Grav 2=692(LC 1), 8=1100(LC 1), 6=287(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-883/97, 3-4=-381/99, 4-5=-382/109, 5-6=-10/277
BOT CHORD 2-10=-6/709, 9-10=-6/709
WEBS 5-9=0/528, 5-8=-939/147, 3-9=-553/110, 3-10=0/278

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-9-0, Zone2 11-9-0 to 15-11-15, Zone1 15-11-15 to 24-10-0 zone; cantilever left and right exposed ; porch 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) 2, 8 except (jt=lb) 6=115.

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Date:

August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	B01X	GABLE	1	1	T38210389
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:15 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-?5_VngN9xI_cqbfqNL2avHwBJJC6S3cjDRyIqJyoIck

-1-4-0 | 7-0-0 | 11-9-0 | 16-6-0 | 23-6-0 | 24-10-0
1-4-0 | 7-0-0 | 4-9-0 | 4-9-0 | 7-0-0 | 1-4-0

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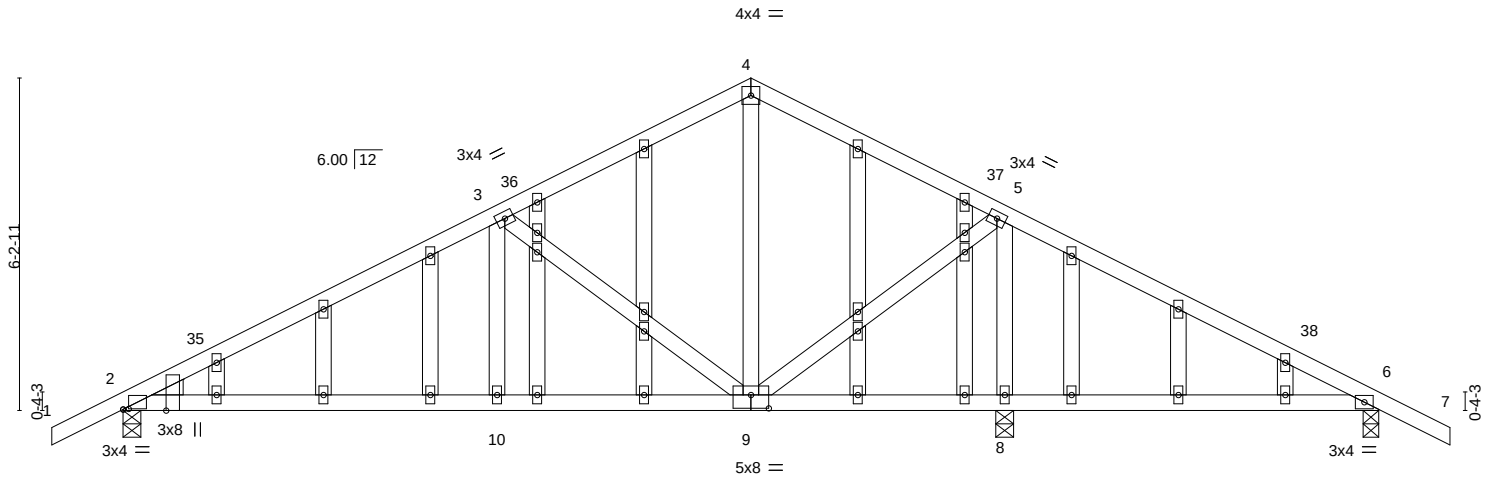


6-1-12 | 11-9-0 | 16-6-0 | 23-6-0
6-1-12 | 5-7-4 | 4-9-0 | 7-0-0

Plate Offsets (X,Y)-- [2:0-1-4,0-0-2], [2:0-0-4,Edge], [9:0-4-0,0-3-0]

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	0.56	Vert(LL)	-0.06	2-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.15	2-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.02	2-10	>999	240	Weight: 153 lb	FT = 20%

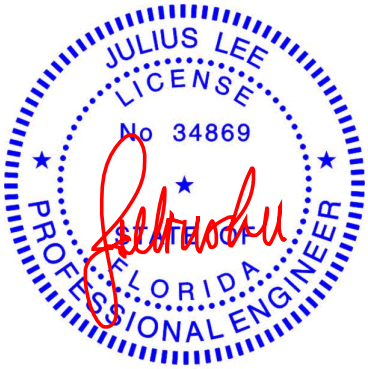
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 8=0-4-0, 6=0-3-8
Max Horz 2=108(LC 11)
Max Uplift 2=-75(LC 12), 8=-25(LC 12), 6=-64(LC 12)
Max Grav 2=692(LC 1), 8=1100(LC 1), 6=287(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-883/105, 3-4=-381/114, 4-5=-382/122, 5-6=-10/277
BOT CHORD 2-10=-13/708, 9-10=-13/708
WEBS 3-10=0/278, 3-9=-553/104, 5-9=0/525, 5-8=-939/157

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-9-0, Zone2 11-9-0 to 15-11-15, Zone1 15-11-15 to 24-10-0 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) 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) 2, 8, 6.



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

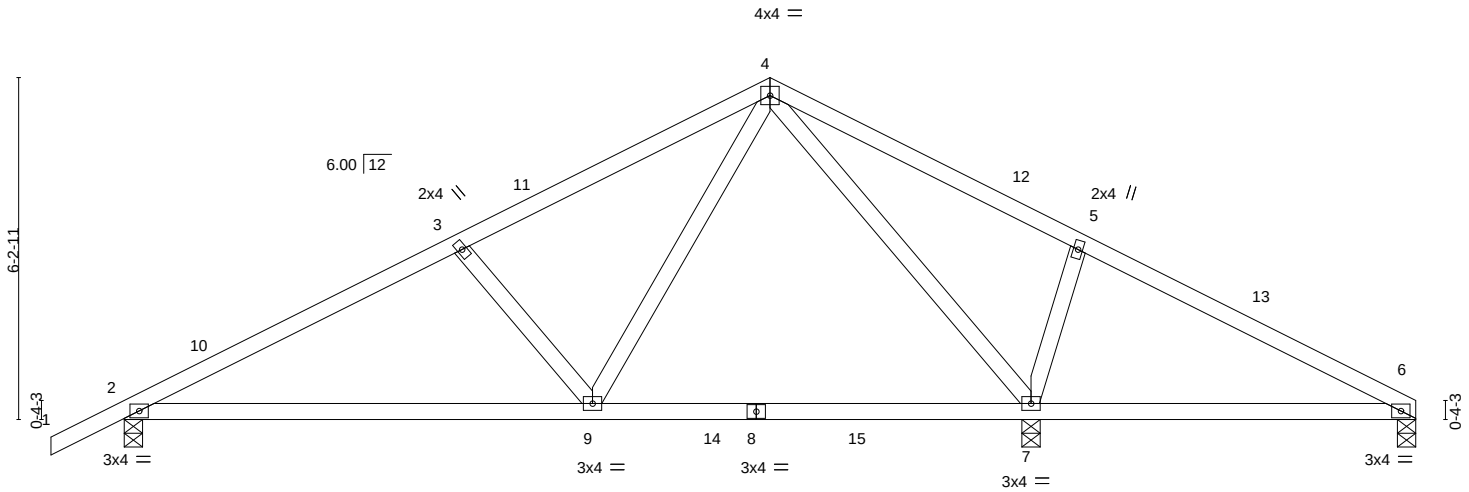
August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210390
6251988	B02	COMMON	2	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:15 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-?5_VngN9xI_cqbfqNL2avHwCSJ8VSxijDRyIqJyoIck

-1-4-0 1-4-0 | 6-1-12 6-1-12 | 11-9-0 5-7-4 | 17-4-4 5-7-4 | 23-6-0 6-1-12

Scale = 1:41.9



8-6-4 8-6-4 | 16-6-0 7-11-12 | 23-6-0 7-0-0

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	0.48	Vert(LL)	-0.12	2-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.26	2-9	>747	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.02	2-9	>999	240	Weight: 107 lb	FT = 20%

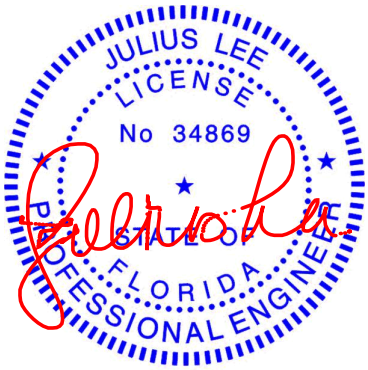
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 6=0-4-0, 2=0-4-0, 7=0-4-0
Max Horz 2=105(LC 11)
Max Uplift 6=-1(LC 12), 2=-69(LC 12), 7=-54(LC 12)
Max Grav 6=185(LC 24), 2=758(LC 17), 7=1217(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-960/113, 3-4=-767/102, 4-5=0/286
BOT CHORD 2-9=-51/881, 7-9=0/333
WEBS 3-9=-357/154, 4-9=-16/690, 4-7=-818/73, 5-7=-379/161

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-9-0, Zone2 11-9-0 to 15-11-15, Zone1 15-11-15 to 23-4-0 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2, 7.



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

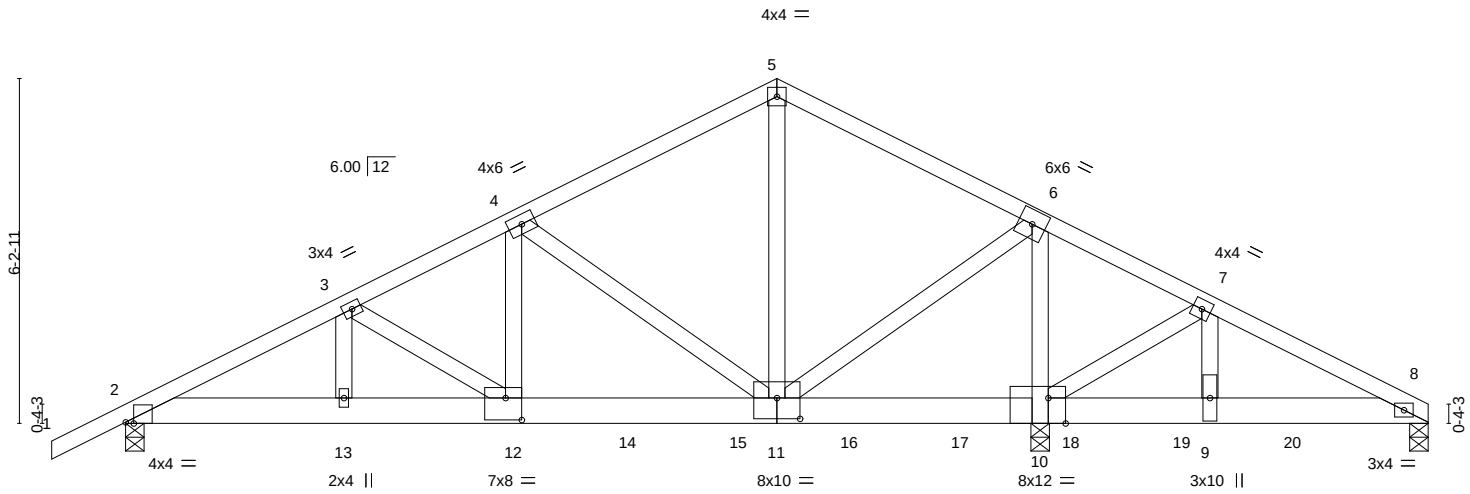
August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	B03	COMMON GIRDER	1	2	T38210391
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:16 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-TIYt??Onic6TRIE1w2apRVSO5jTXBRAsS5hrNlyoIcj

-1-4-0	3-11-4	7-0-0	11-9-0	16-6-0	19-6-12	23-6-0
1-4-0	3-11-4	3-0-12	4-9-0	4-9-0	3-0-12	3-11-4

Scale = 1:41.6



3-11-4	7-0-0	11-9-0	16-6-0	19-6-12	23-6-0
3-11-4	3-0-12	4-9-0	4-9-0	3-0-12	3-11-4

Plate Offsets (X,Y)-- [2:0-1-12,Edge], [10:0-3-12,Edge], [11:0-5-0,0-4-8], [12:0-3-8,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.08	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.16	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.05	11-12	>999	240	Weight: 289 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 8=0-4-0, 2=0-4-0, 10=0-4-0
Max Horz 2=105(LC 7)
Max Uplift 8=-87(LC 8), 2=-245(LC 8), 10=-608(LC 8)
Max Grav 8=1953(LC 20), 2=3308(LC 1), 10=10424(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6497/400, 3-4=-6640/448, 4-5=-3082/234, 5-6=-3087/234, 6-7=-133/2583
BOT CHORD 2-13=-324/5733, 12-13=-324/5733, 11-12=-334/5922, 10-11=-2267/177
WEBS 5-11=-132/2480, 6-11=-329/6142, 6-10=-6357/418, 7-10=-2785/167, 7-9=-88/2443, 4-11=-3990/302, 4-12=-207/3689, 3-12=-209/325, 3-13=-308/82

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 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) 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) Bearing at joint(s) 10 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) 8 except (jt=lb) 2=245, 10=608.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2771 lb down and 212 lb up at 7-1-8, 1363 lb down and 85 lb up at 9-0-12, 1363 lb down and 89 lb up at 11-0-12, 1524 lb down and 89 lb up at 13-0-12, 1363 lb down and 86 lb up at 15-0-12, 1368 lb down and 85 lb up at 17-0-12, 1368 lb down and 83 lb up at 19-0-12, and 1368 lb down and 82 lb up at 21-0-12, and 1375 lb down and 75 lb up at 23-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Julius Lee PE No. 34869
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Date:
August 14,2025

Continued on page 2

LOAD CASE(S) Standard

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-60, 5-8=-60, 2-8=-20
   Concentrated Loads (lb)
   Vert: 8=-1375(B) 12=-2771(B) 14=-1363(B) 15=-1363(B) 16=-1363(B) 17=-1363(B) 18=-1368(B) 19=-1368(B) 20=-1368(B)

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210392
6251988	C1	CORNER JACK	4	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:16 2025 Page 1
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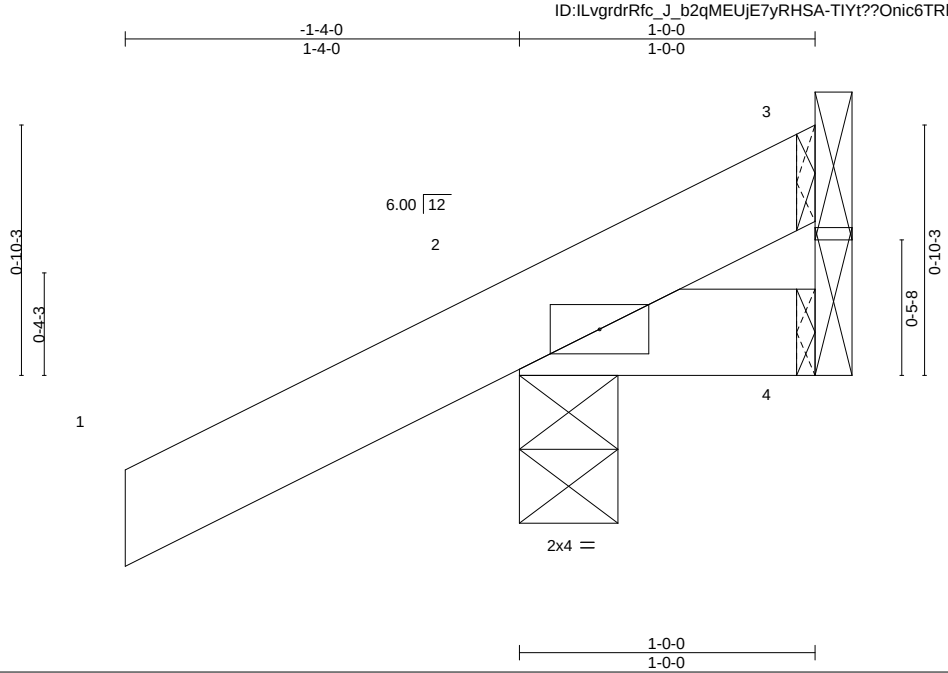


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	-0.00	2	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 6 lb	FT = 20%

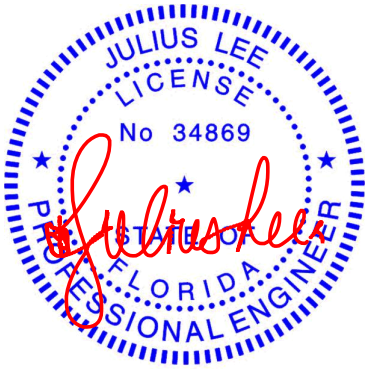
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=36(LC 12)
Max Uplift 3=-30(LC 1), 2=-72(LC 12)
Max Grav 3=24(LC 12), 2=179(LC 1), 4=19(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; 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, 2.



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

August 14,2025

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Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210393
6251988	C1L	CORNER JACK	4	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:17 2025 Page 1
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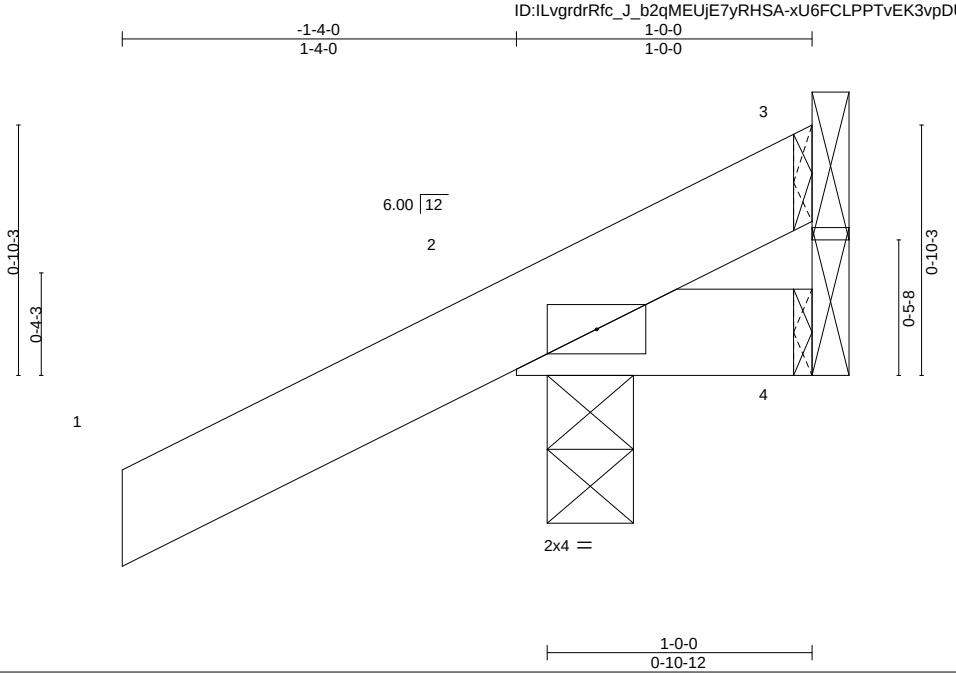


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	-0.00	2	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-P		Wind(LL)	0.00	2	>999	240	Weight: 6 lb	FT = 20%

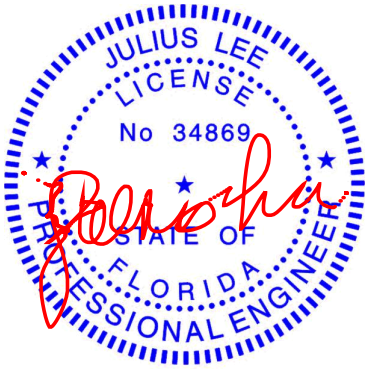
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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, 4=Mechanical, 2=0-3-8
Max Horz 2=36(LC 12)
Max Uplift 3=-29(LC 1), 4=-2(LC 8), 2=-79(LC 12)
Max Grav 3=24(LC 12), 4=19(LC 3), 2=178(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 zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4, 2.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 14,2025

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Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210394
6251988	C3	CORNER JACK	4	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:17 2025 Page 1
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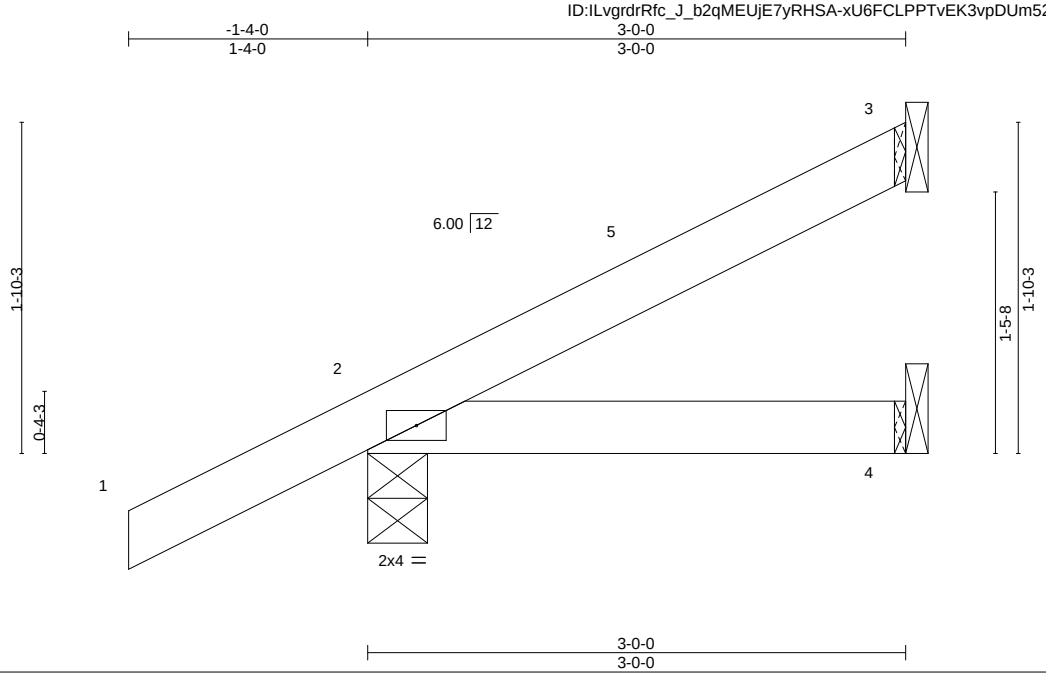


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 12 lb	FT = 20%

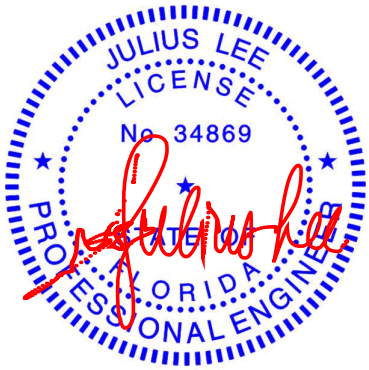
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=59(LC 12)
Max Uplift 3=-17(LC 12), 2=-51(LC 12)
Max Grav 3=59(LC 1), 2=225(LC 1), 4=55(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 -1-4-0 to 1-8-0, Zone1 1-8-0 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.



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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	C3L	CORNER JACK	4	1	T38210395
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:18 2025 Page 1
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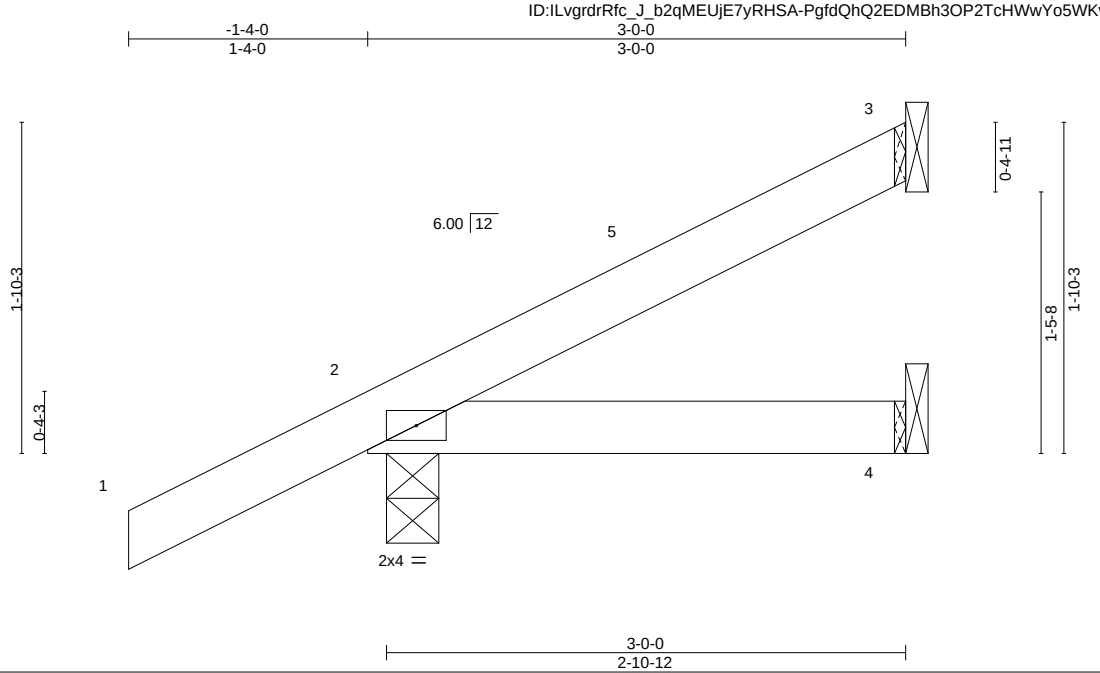


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2-4	>999	240	Weight: 12 lb	FT = 20%

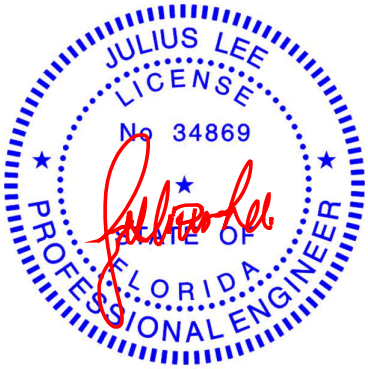
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 2=0-3-8
Max Horz 2=59(LC 12)
Max Uplift 3=-18(LC 12), 4=-7(LC 8), 2=-74(LC 12)
Max Grav 3=60(LC 1), 4=56(LC 3), 2=224(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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 2-11-4 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
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, 2.



Julius Lee PE No. 34869
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Date:

August 14,2025

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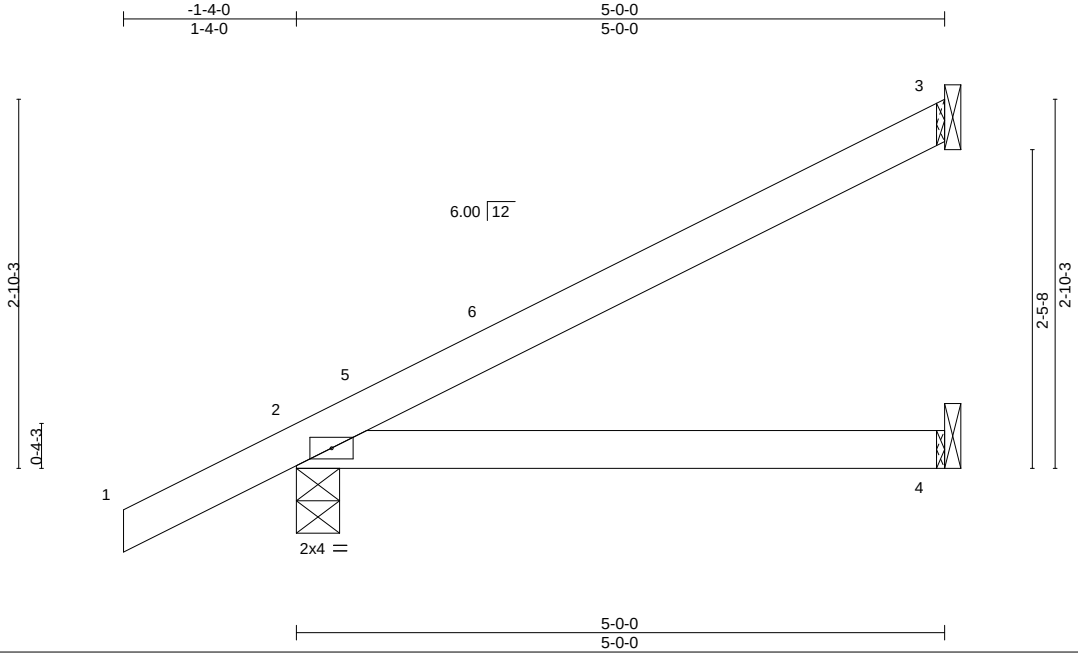
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	C5	CORNER JACK	4	1	T38210396
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:18 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-PgfdQhQ2EDMBh3OP2TcHWwYl0WHufVV9vOAyReyoIch



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)	-0.03	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.06	2-4	>921	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 18 lb	FT = 20%

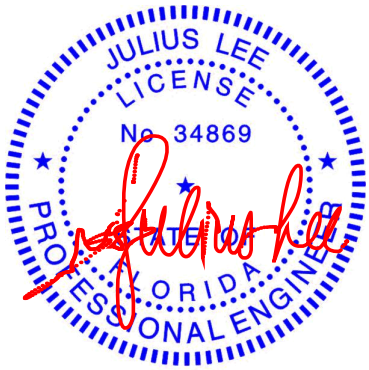
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=83(LC 12)
Max Uplift 3=-45(LC 12), 2=-43(LC 12)
Max Grav 3=129(LC 1), 2=295(LC 1), 4=95(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 -1-4-0 to 1-8-0, Zone1 1-8-0 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.



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August 14,2025

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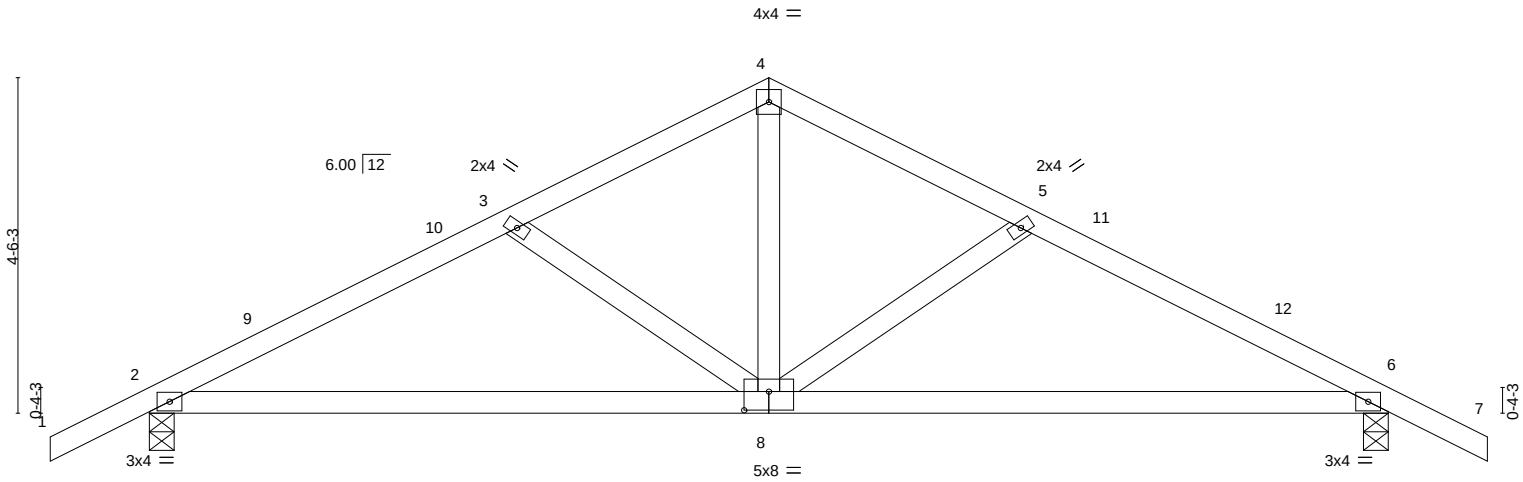
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	D01	COMMON	1	1	T38210397
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:19 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-ttD?d1Qg?XU2IDzccB7W374ySwWPOw0J82wW_4yoIcg

-1-4-0	4-11-6	8-4-0	11-8-11	16-8-0	18-0-0
1-4-0	4-11-6	3-4-11	3-4-10	4-11-6	1-4-0

Scale = 1:31.0



8-4-0	16-8-0
8-4-0	8-4-0

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

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	0.23	Vert(LL)	-0.10	6-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.21	2-8	>948	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.02	6-8	>999	240	Weight: 75 lb	FT = 20%

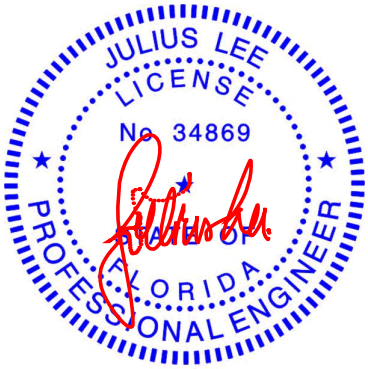
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-11 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=-80(LC 10)
Max Uplift 2=-71(LC 12), 6=-71(LC 12)
Max Grav 2=743(LC 1), 6=743(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1046/178, 3-4=-793/129, 4-5=-793/129, 5-6=-1046/178
BOT CHORD 2-8=-81/873, 6-8=-97/873
WEBS 4-8=-33/494, 5-8=-270/142, 3-8=-270/143

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 8-4-0, Zone2 8-4-0 to 12-6-15, Zone1 12-6-15 to 18-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.



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Date:

August 14,2025

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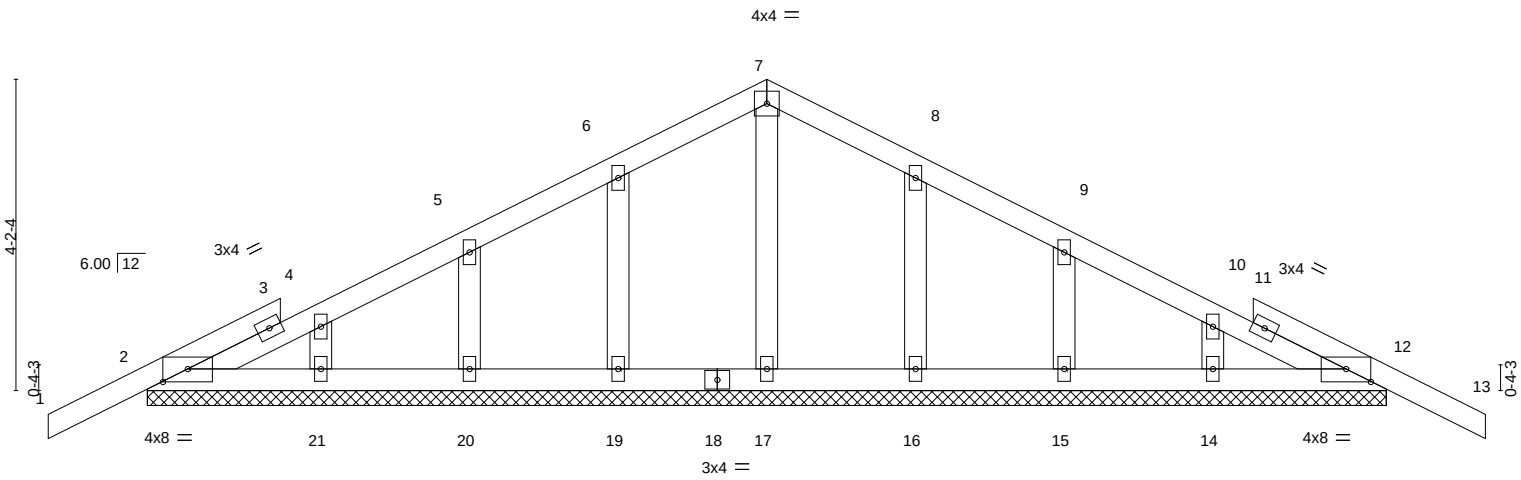
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	D01X	Common Supported Gable	1	1	T38210398
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:19 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-ttD?d1Qg?XU2IDzccB7W374_GwhxOxLJ82wW_4yoIcg

-1-4-0 1-4-0 | 1-9-7 1-9-7 | 1-11-1 0-1-9 | 8-4-0 6-4-15 | 14-8-15 6-4-15 | 14-10-9 0-1-9 | 16-8-0 1-9-7 | 18-0-0 1-4-0

Scale = 1:31.0



16-8-0
16-8-0

Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [12:0-4-0,0-2-1]

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	0.11	Vert(LL)	-0.00	13	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 81 lb	FT = 20%

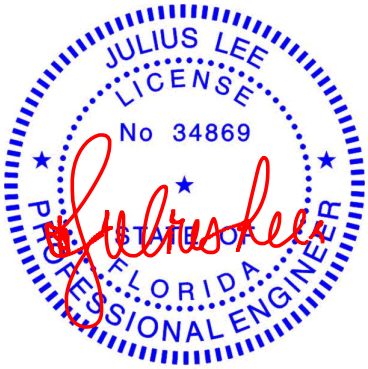
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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 16-8-0.
(lb) - Max Horz 2=-74(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 16, 15
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 19, 20, 21, 16, 15, 14

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, 12, 19, 20, 16, 15.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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Date:

August 14,2025

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Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210399
6251988	E5L	JACK-OPEN	3	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:20 2025 Page 1
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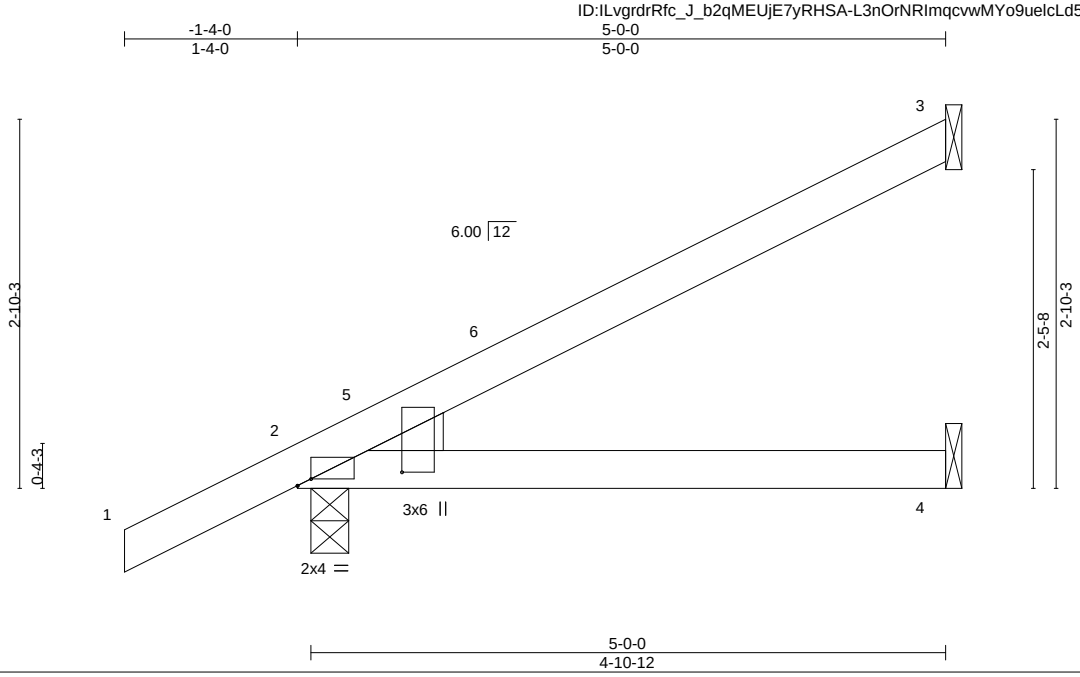

Plate Offsets (X,Y)-- [2:0-1-4,Edge], [2:0-1-4,0-9-11]

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	0.34	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.06	2-4	>909	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.03	2-4	>999	240	Weight: 19 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 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, 4=Mechanical, 2=0-3-8
Max Horz 2=83(LC 12)
Max Uplift 3=-45(LC 12), 4=-12(LC 8), 2=-83(LC 12)
Max Grav 3=130(LC 1), 4=96(LC 3), 2=294(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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 4-11-4 zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4, 2.

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Date:

August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210400
6251988	E7	JACK-OPEN	30	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:20 2025 Page 1
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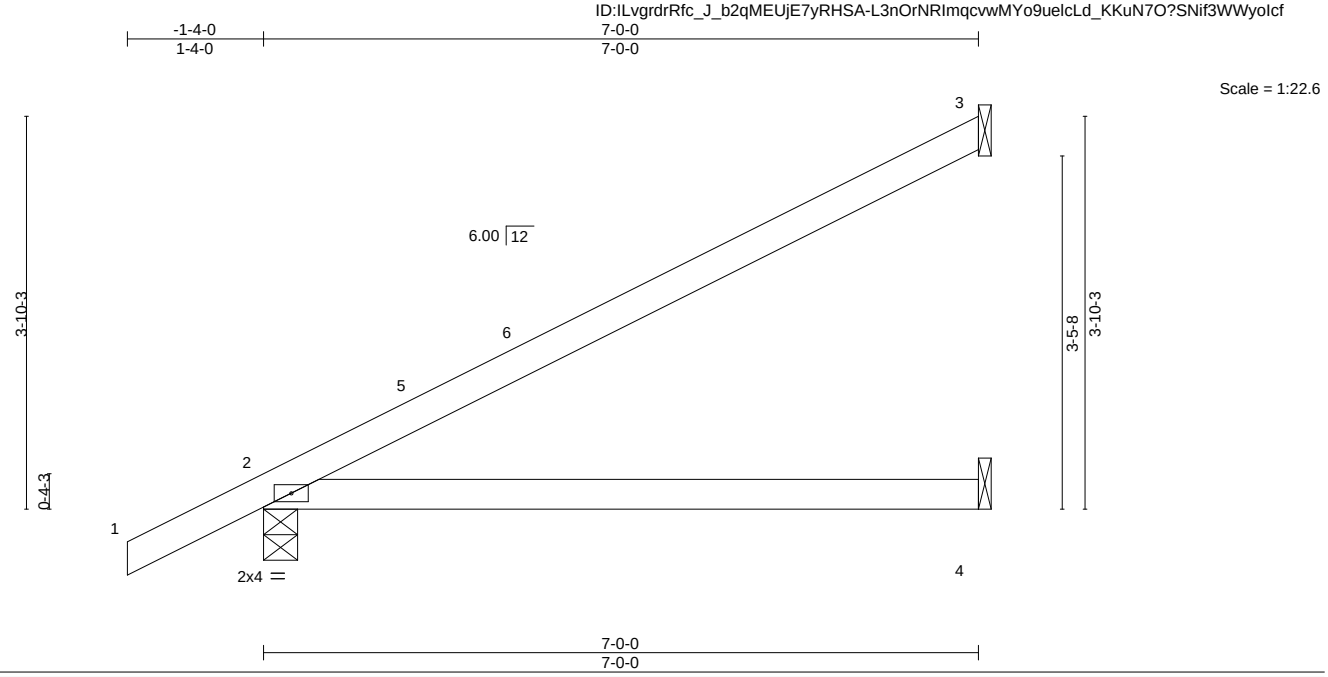


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	-0.13	2-4	>645	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.25	2-4	>322	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 24 lb	FT = 20%

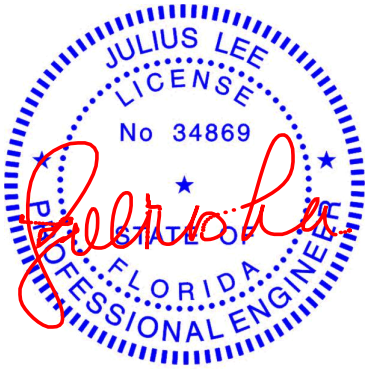
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=107(LC 12)
Max Uplift 3=-68(LC 12), 2=-38(LC 12)
Max Grav 3=193(LC 1), 2=371(LC 1), 4=135(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 -1-4-0 to 1-8-0, Zone1 1-8-0 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:

August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210401
6251988	G01X	Common Supported Gable	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:21 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-pFLm2jSwX8klYW7_jc9_8YAJmkMLsrbbbMPc2zyoIce

-1-4-0 1-4-0 | 1-9-7 1-9-7 | 1-11-1 0-1-9 | 10-6-0 8-6-15 | 19-0-15 8-6-15 | 19-2-9 0-1-9 | 21-0-0 1-9-7 | 22-4-0 1-4-0

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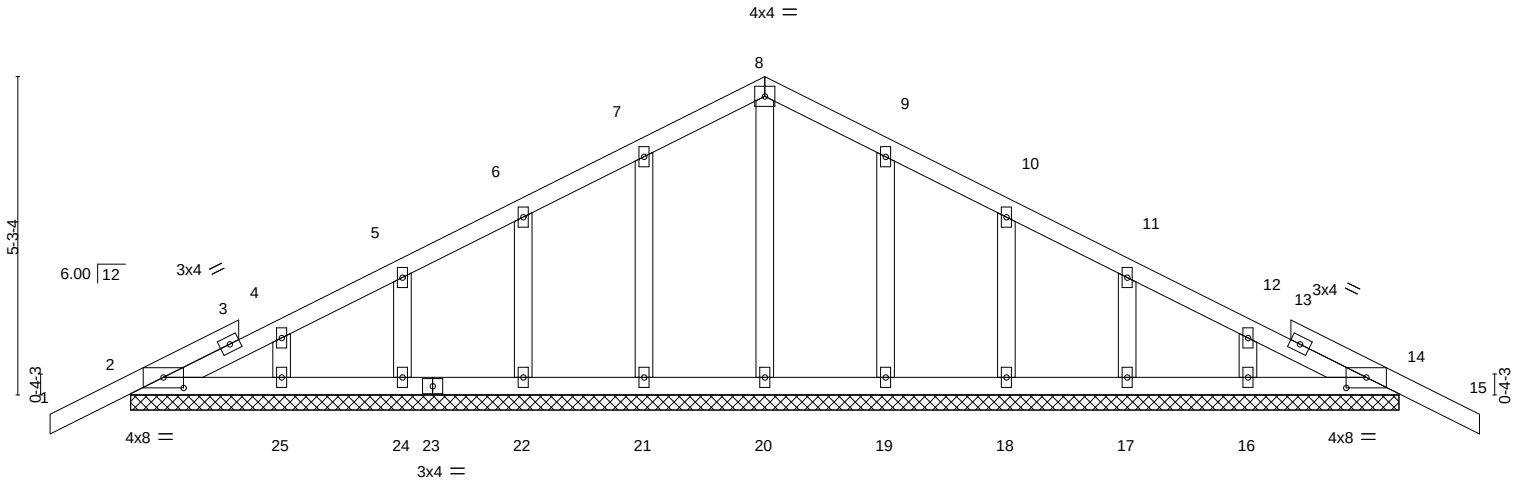


21-0-0
21-0-0

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

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	0.11	Vert(LL)	-0.00	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 109 lb	FT = 20%

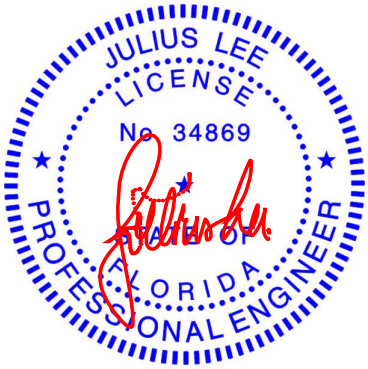
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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 21-0-0.
(lb) - Max Horz 2=-92(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 22, 24, 19, 18, 17
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 22, 24, 25, 19, 18, 17, 16

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, 24, 19, 18, 17.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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Date:

August 14,2025

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Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame	
6251988	G02	COMMON	6	1	Job Reference (optional)	T38210402

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:21 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-pFLm2jSwX8klYW7_jc9_8YAF_kA2sp0bbMPc2zyoIce

-1-4-0	5-5-15	10-6-0	15-6-1	21-0-0	22-4-0
1-4-0	5-5-15	5-0-1	5-0-1	5-5-15	1-4-0

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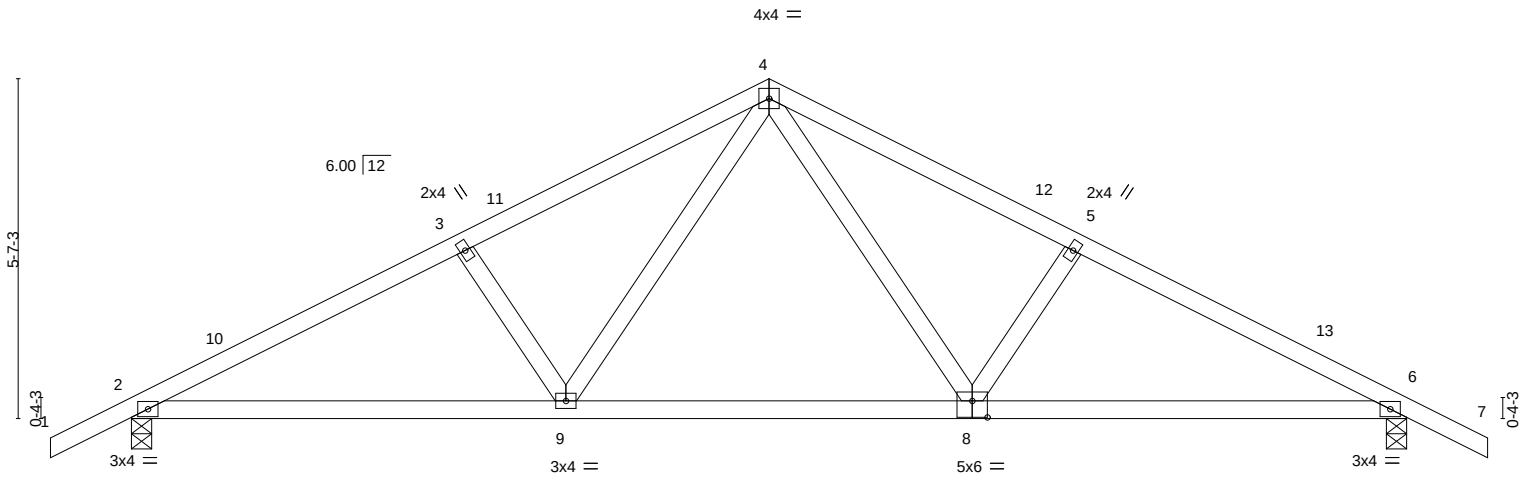


7-1-14	13-10-2	21-0-0
7-1-14	6-8-5	7-1-14

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

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	0.35	Vert(LL)	-0.07	2-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.25	8-9	>991	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.03	8-9	>999	240	Weight: 98 lb	FT = 20%

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

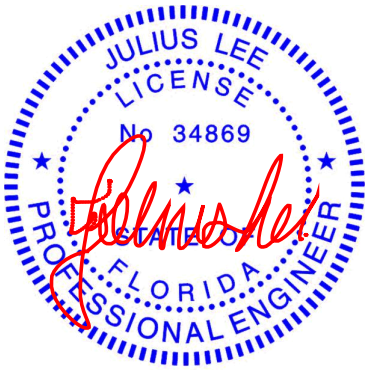
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 6=0-4-0
Max Horz 2=97(LC 11)
Max Grav 2=1050(LC 1), 6=1050(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1732/0, 3-4=-1561/0, 4-5=-1561/0, 5-6=-1732/0
BOT CHORD 2-9=0/1475, 8-9=0/996, 6-8=0/1475
WEBS 4-8=0/634, 5-8=-283/154, 4-9=0/634, 3-9=-283/154

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

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-60, 2-9=-20, 8-9=-60, 6-8=-20
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-7=-50, 2-9=-20, 8-9=-60, 6-8=-20
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-20, 2-9=-40, 8-9=-80, 6-8=-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, 2-10=32, 4-10=18, 4-12=26, 6-12=18, 6-7=14, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-55, 2-10=-40, 4-10=-27, 4-12=35, 6-12=27, 6-7=22

5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-11=18, 4-11=26, 4-13=18, 6-13=32, 6-7=47, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-22, 2-11=-27, 4-11=-35, 4-13=27, 6-13=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, 2-9=-20, 8-9=-60, 6-8=-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, 2-9=-20, 8-9=-60, 6-8=-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, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-24, 2-4=-11, 4-6=17, 6-7=13

9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-4=9, 4-6=3, 6-7=15, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-13, 2-4=-17, 4-6=11, 6-7=24

10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-4=-28, 4-6=-12, 6-7=-7, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=4, 2-4=8, 4-6=8, 6-7=13

11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-4=-12, 4-6=-28, 6-7=-24, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-13, 2-4=-8, 4-6=-8, 6-7=-4

12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=28, 2-4=15, 4-6=15, 6-7=28, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-37, 2-4=-24, 4-6=24, 6-7=37

13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-4=3, 4-6=3, 6-7=15, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-24, 2-4=-11, 4-6=11, 6-7=24

14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4

15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4

16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-20, 2-9=-20, 8-9=-60, 6-8=-20

17) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-4=-56, 4-6=-44, 6-7=-40, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=3, 2-4=6, 4-6=6, 6-7=10

18) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-4=-44, 4-6=-56, 6-7=-53, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-10, 2-4=-6, 4-6=-6, 6-7=-3

19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 6-7=-47, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-3, 2-4=1, 4-6=-1, 6-7=3

20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-51, 4-6=-51, 6-7=-47, 2-9=-20, 8-9=-60, 6-8=-20
Horz: 1-2=-3, 2-4=1, 4-6=-1, 6-7=3

21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-4=-25, 4-7=-25, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-2=-16, 2-4=16, 4-7=-16

22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=8, 4-7=8, 2-9=-12, 8-9=-52, 6-8=-12
Horz: 1-4=-16, 4-7=16

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

Continued on page 3

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-20, 2-9=-20, 8-9=-60, 6-8=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-60, 2-9=-20, 8-9=-60, 6-8=-20

25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-7=-20, 2-9=-20, 8-9=-60, 6-8=-20

26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-50, 2-9=-20, 8-9=-60, 6-8=-20

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame	T38210403
6251988	G03	COMMON GIRDER	1	2	Job Reference (optional)	

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4-0-0	7-1-8	10-6-0	13-10-8	17-0-0	21-0-0	22-4-0
4-0-0	3-1-8	3-4-8	3-4-8	3-1-8	4-0-0	1-4-0

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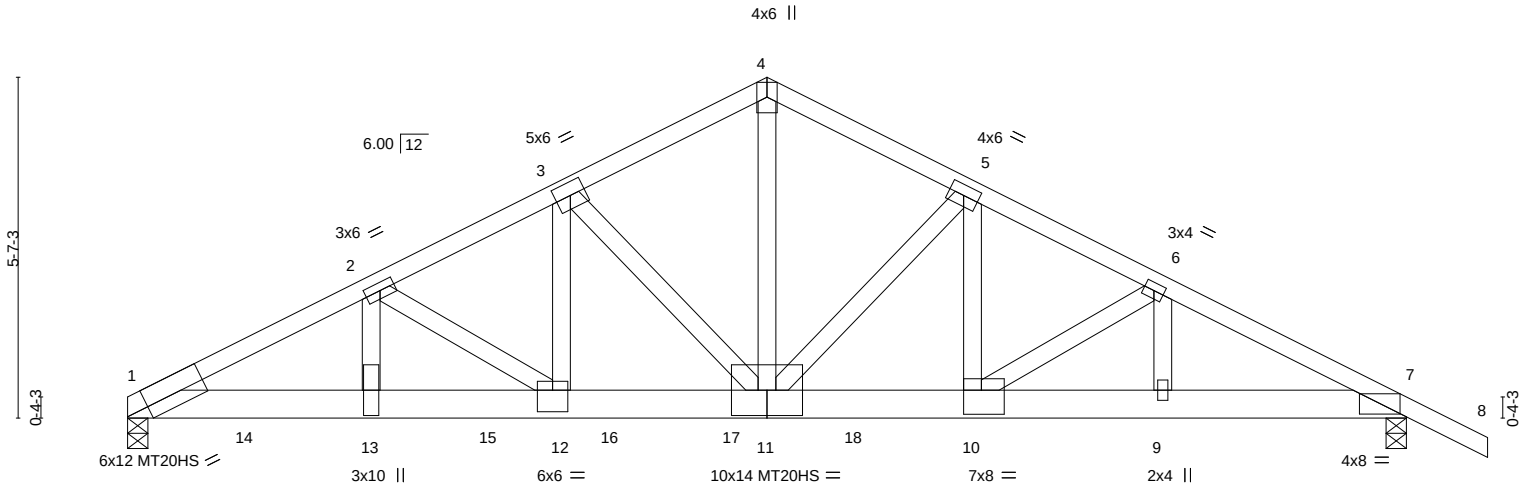


4-0-0	7-1-8	10-6-0	13-10-8	17-0-0	21-0-0
4-0-0	3-1-8	3-4-8	3-4-8	3-1-8	4-0-0

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

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	0.68	Vert(LL)	-0.18	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.36	10-11	>688	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.09	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.11	10-11	>999	240	Weight: 262 lb	FT = 20%

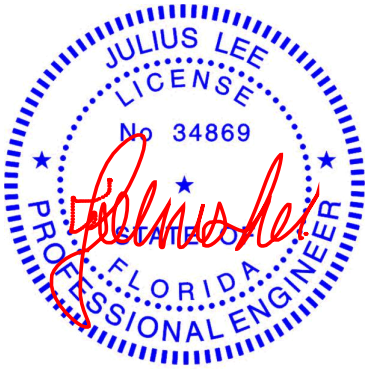
LUMBER-
TOP CHORD 2x4 SP M 31 or 2x4 SP SS *Except*
4-8: 2x4 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=8037/0-4-0 (req. 0-4-1), 7=6006/0-4-0 (min. 0-3-1)
Max Horz 1=-95(LC 6)
Max Uplift 1=-421(LC 8), 7=-377(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-15449/824, 2-3=-12712/711, 3-4=-9712/581, 4-5=-9712/581, 5-6=-12424/732, 6-7=-12275/684
BOT CHORD 1-14=-679/13723, 13-14=-679/13723, 13-15=-679/13723, 12-15=-679/13723, 12-16=-539/11348, 16-17=-539/11348, 11-17=-539/11348, 11-18=-558/11084, 10-18=-558/11084, 9-10=-552/10878, 7-9=-552/10878
WEBS 4-11=-461/8388, 5-11=-3494/252, 5-10=-199/3565, 6-10=-225/363, 6-9=-302/78, 3-11=-3875/224, 3-12=-171/3956, 2-12=-2809/165, 2-13=-89/2632

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 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-3-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) All plates are MT20 plates unless otherwise indicated.
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) WARNING: Required bearing size at joint(s) 1 greater than input bearing size.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 421 lb uplift at joint 1 and 377 lb uplift at joint 7.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1527 lb down and 86 lb up at 1-11-4, 1527 lb down and 86 lb up at 3-11-4, 1527 lb down and 86 lb up at 5-11-4, 1667 lb down and 86 lb up at 7-11-4, 1533 lb down and 86 lb up at 9-11-4, and 1530 lb down and 92 lb up at 11-11-4, and 3128 lb down and 219 lb up at 13-10-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



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Date:

August 14,2025

Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-8=-60, 1-7=-20
   Concentrated Loads (lb)
   Vert: 10=-3128(B) 13=-1527(B) 14=-1527(B) 15=-1527(B) 16=-1527(B) 17=-1533(B) 18=-1530(B)

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Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210404
6251988	GV1	GABLE	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:23 2025 Page 1
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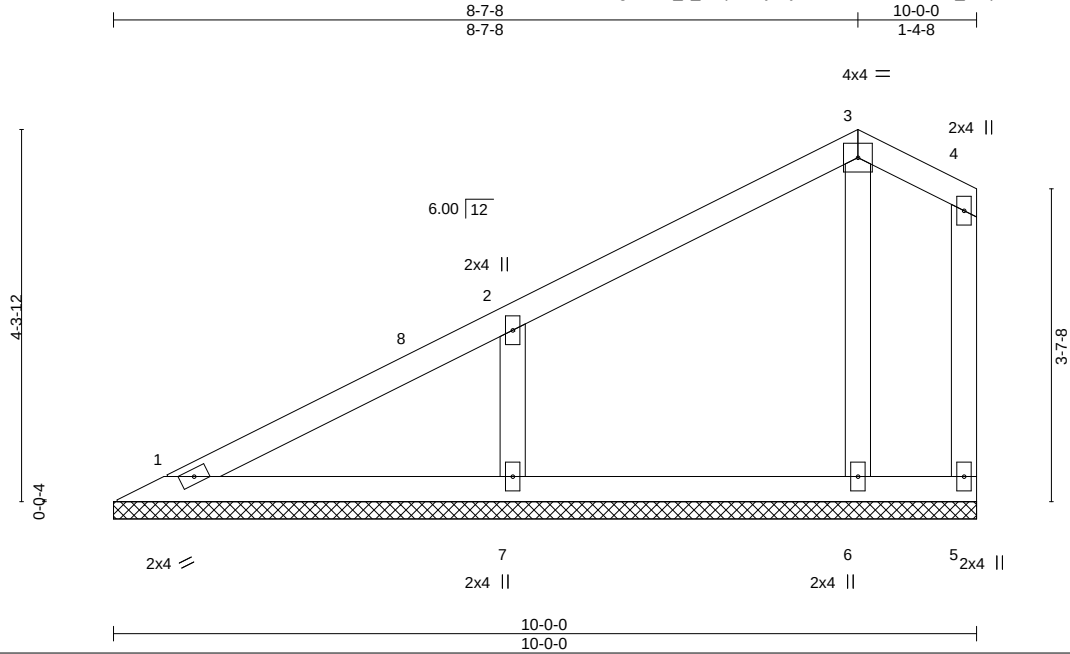


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 43 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-

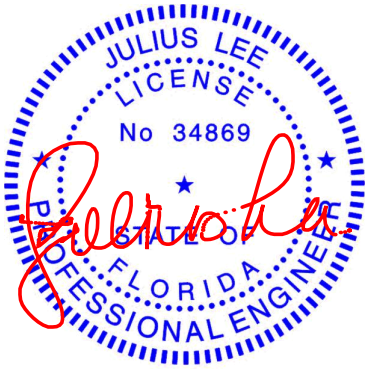
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 10-0-0.
(lb) - Max Horz 1=81(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 5, 6, 7
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 6 except 7=383(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-284/210

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-7-9 to 3-7-9, Zone1 3-7-9 to 8-7-8, Zone3 8-7-8 to 9-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) 5, 6, 7.



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August 14,2025

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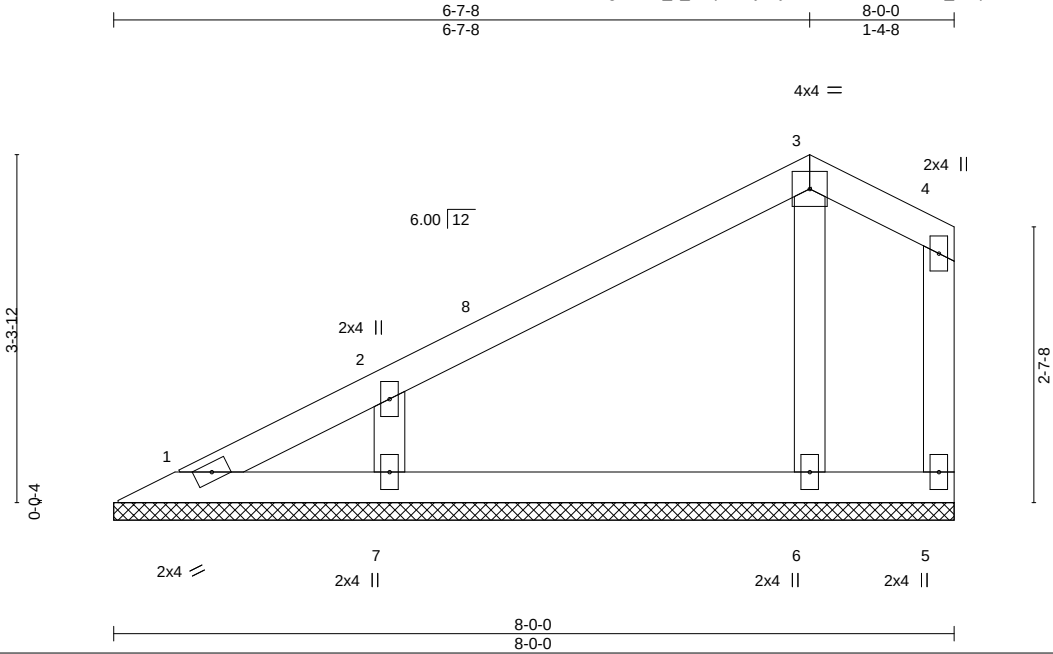
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	GV2	GABLE	1	1	T38210405
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:23 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-meTWTPTA3l_TnqHNr0CSDzFe5X11Kl4u3guj7ryoIcc



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	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-P							Weight: 33 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-

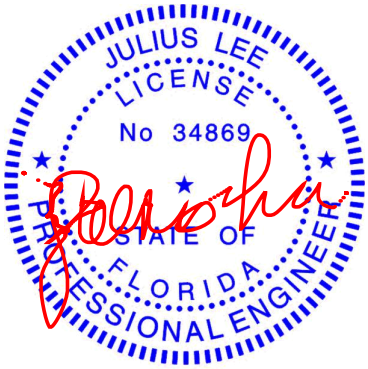
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 8-0-0.
(lb) - Max Horz 1=57(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 5, 7
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 6 except 7=318(LC 1)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-7-9 to 3-7-9, Zone1 3-7-9 to 6-7-8, Zone3 6-7-8 to 7-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) 5, 7.



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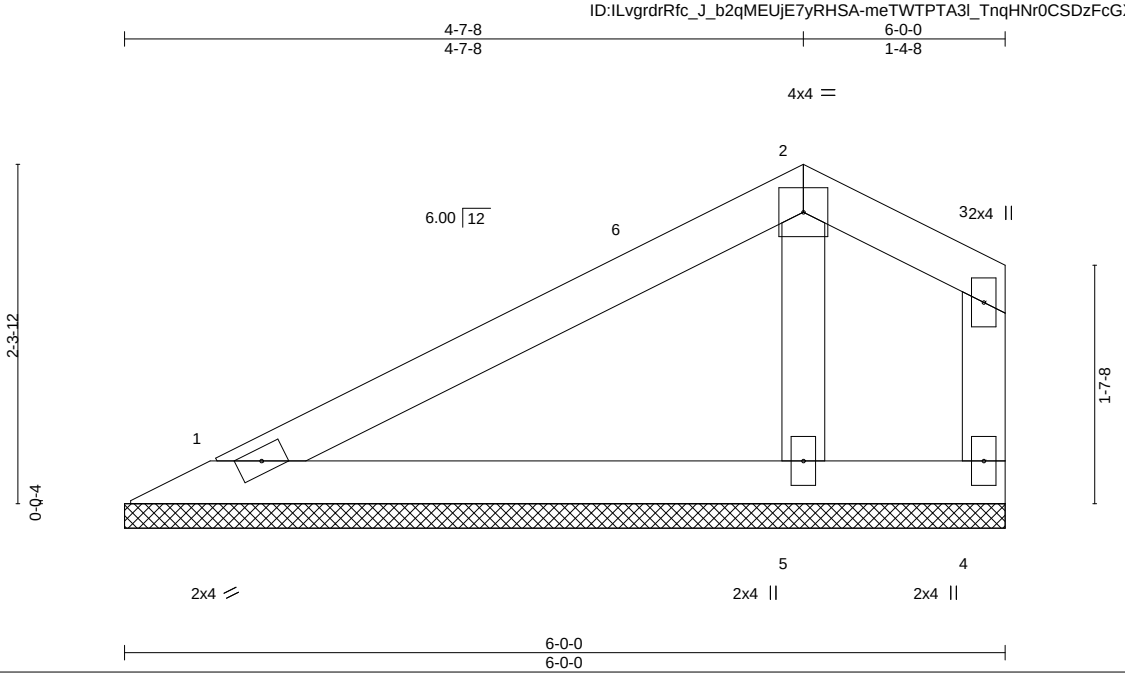
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	GV3	GABLE	1	1	T38210406
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:23 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-meTWTPTA3l_TnqHNr0CSDzFcGX1TKlKu3guj7ryoIcc



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	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-P							Weight: 22 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-

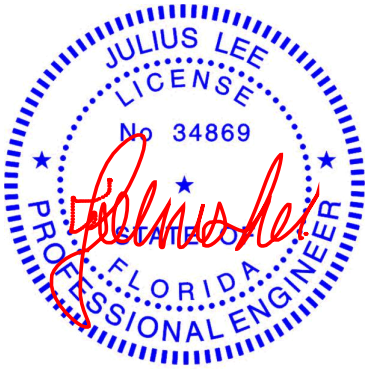
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=6-0-0, 4=6-0-0, 5=6-0-0
Max Horz 1=33(LC 12)
Max Uplift 1=-7(LC 12), 4=-21(LC 12)
Max Grav 1=152(LC 1), 4=24(LC 1), 5=242(LC 1)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-7-9 to 3-7-9, Zone1 3-7-9 to 4-7-8, Zone3 4-7-8 to 5-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) 1, 4.



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Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210407
6251988	GV4	Valley	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:24 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-Eq1uglUoq36KP_rZOkjhmBoqdxNG3C_2IKdHfHyoIcb

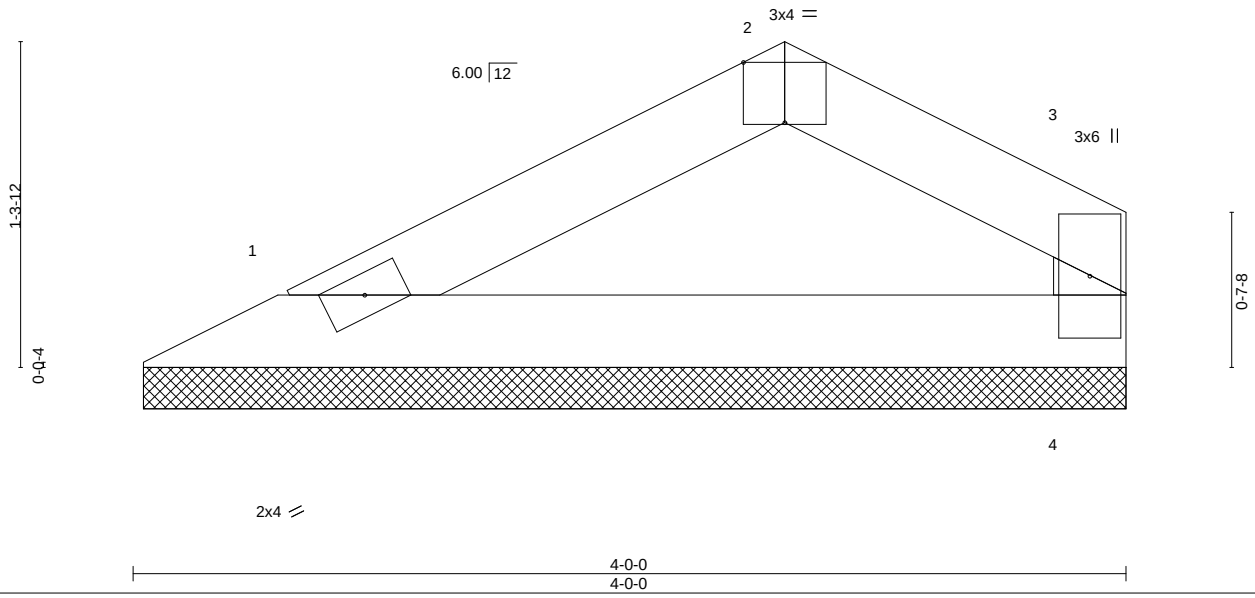


Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
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-R							Weight: 12 lb	FT = 20%

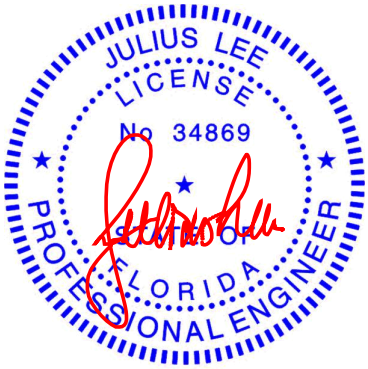
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=3-11-8, 4=3-11-8
Max Horz 1=13(LC 11)
Max Uplift 1=-5(LC 12), 4=-6(LC 12)
Max Grav 1=129(LC 1), 4=129(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) 1, 4.



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Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210408
6251988	H5L	DIAGONAL HIP GIRDER	2	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:24 2025 Page 1
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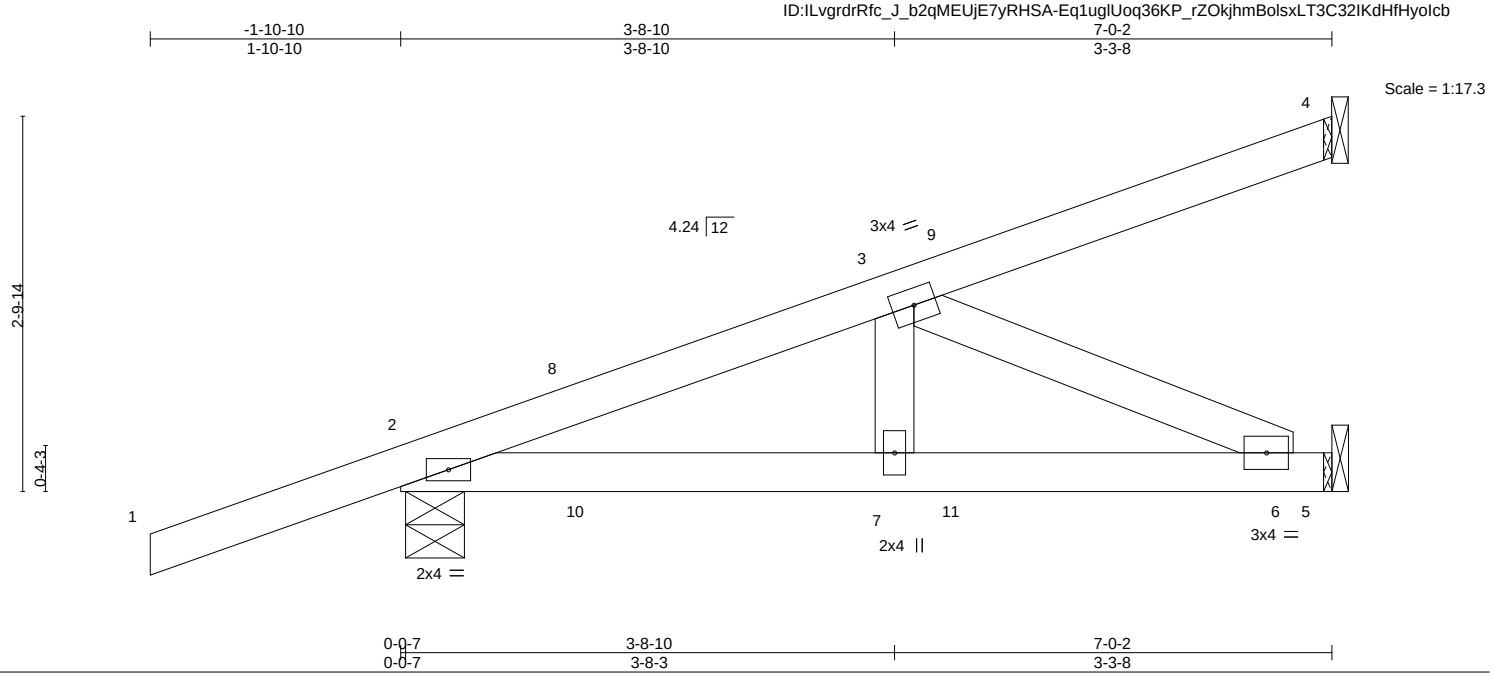


Plate Offsets (X,Y)-- [6:0-0-0,0-0-0]

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	0.44	Vert(LL)	-0.01	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.01	2-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.01	6-7	>999	240	Weight: 31 lb	FT = 20%

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

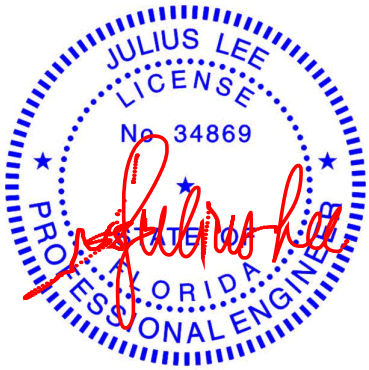
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-5-5, 5=Mechanical
Max Horz 2=82(LC 8)
Max Uplift 4=-23(LC 8), 2=-191(LC 8), 5=-63(LC 8)
Max Grav 4=95(LC 1), 2=314(LC 1), 5=133(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-315/116
BOT CHORD 2-7=-134/256, 6-7=-134/256
WEBS 3-6=-281/147

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=191.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 146 lb up at 1-4-15, 146 lb up at 1-4-15, and 23 lb up at 4-2-15, and 23 lb up at 4-2-15 on top chord, and 8 lb up at 1-4-15, 8 lb up at 1-4-15, and 11 lb down and 24 lb up at 4-2-15, and 11 lb down and 24 lb up at 4-2-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 8=123(F=62, B=62)



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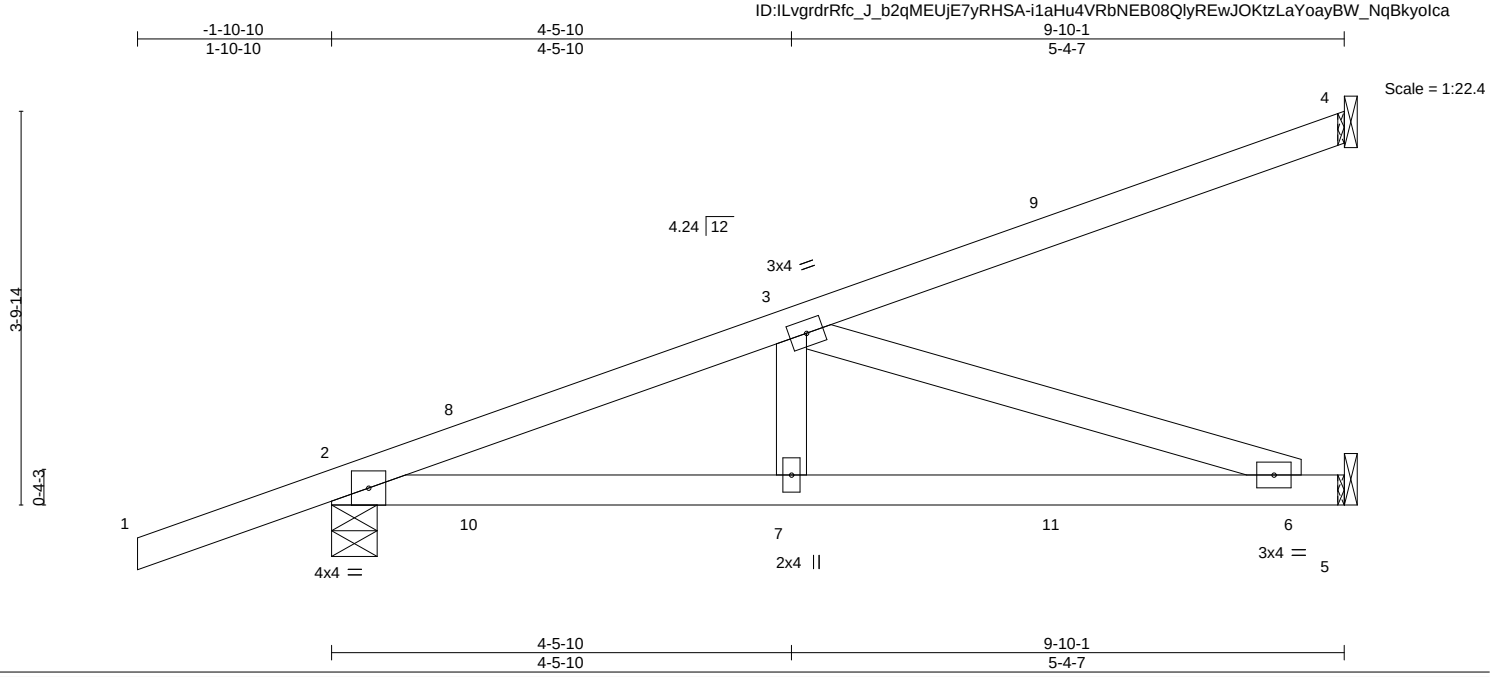
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	H7	DIAGONAL HIP GIRDER	2	1	T38210409
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:25 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-i1aHu4VRbNEB08QlyREwJOKtzLaYoayBW_NqBkyoIca



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)	-0.06	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.14	6-7	>842	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.02	6-7	>999	240	Weight: 43 lb	FT = 20%

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

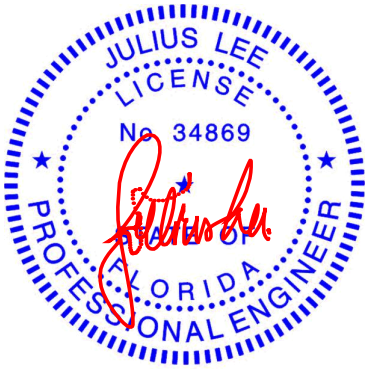
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-5-5, 5=Mechanical
Max Horz 2=106(LC 8)
Max Uplift 4=-48(LC 8), 2=-137(LC 8)
Max Grav 4=161(LC 1), 2=441(LC 1), 5=277(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-710/30
BOT CHORD 2-7=-79/656, 6-7=-79/656
WEBS 3-7=0/293, 3-6=-690/83

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=137.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 147 lb up at 1-4-15, 147 lb up at 1-4-15, 23 lb up at 4-2-15, 23 lb up at 4-2-15, and 29 lb down and 56 lb up at 7-0-14, and 29 lb down and 56 lb up at 7-0-14 on top chord, and at 1-4-15, at 1-4-15, 11 lb down at 4-2-15, 11 lb down at 4-2-15, and 39 lb down at 7-0-14, and 39 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 8=124(F=62, B=62) 9=-58(F=-29, B=-29) 11=-39(F=-19, B=-19)



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Date:

August 14,2025

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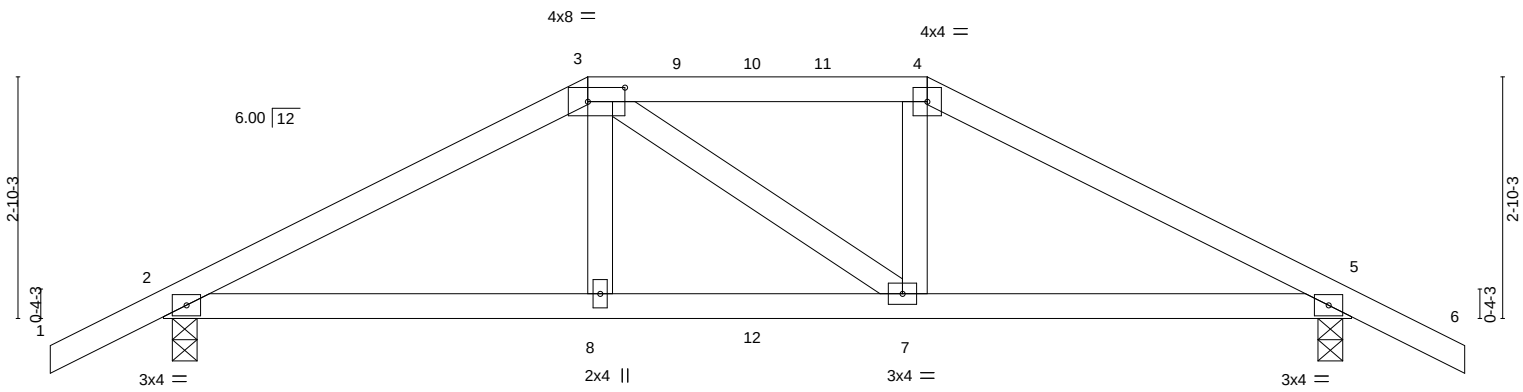
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame T38210410
6251988	L01	HIP GIRDER	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:25 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-i1aHu4VRbNEB08QlyREwJOKwtLe4oe3BW_NqBkyoIca

-1-4-0 | 5-0-0 | 9-0-0 | 14-0-0 | 15-4-0
1-4-0 | 5-0-0 | 4-0-0 | 5-0-0 | 1-4-0

Scale = 1:27.1



0-1-4 | 5-0-0 | 9-0-0 | 13-10-12 | 14-0-0
0-1-4 | 4-10-12 | 4-0-0 | 4-10-12 | 0-1-4

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.03	8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.06	2-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.08	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.04	2-8	>999	240	Weight: 61 lb	FT = 20%

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

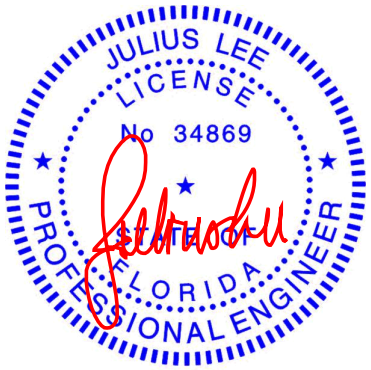
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 5=0-3-8
Max Horz 2=-52(LC 6)
Max Uplift 2=-292(LC 8), 5=-292(LC 8)
Max Grav 2=873(LC 1), 5=873(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1353/438, 3-4=-1150/413, 4-5=-1354/438
BOT CHORD 2-8=-343/1137, 7-8=-348/1149, 5-7=-335/1138
WEBS 3-8=-87/336, 4-7=-89/336

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=292, 5=292.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 142 lb down and 121 lb up at 5-0-0, and 55 lb down and 53 lb up at 7-0-0, and 142 lb down and 121 lb up at 9-0-0 on top chord, and 122 lb down and 89 lb up at 5-0-0, and 56 lb down and 24 lb up at 7-0-0, and 122 lb down and 89 lb up at 8-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-6=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 3=-95(B) 4=-95(B) 8=-100(B) 7=-100(B) 10=-55(B) 12=-28(B)



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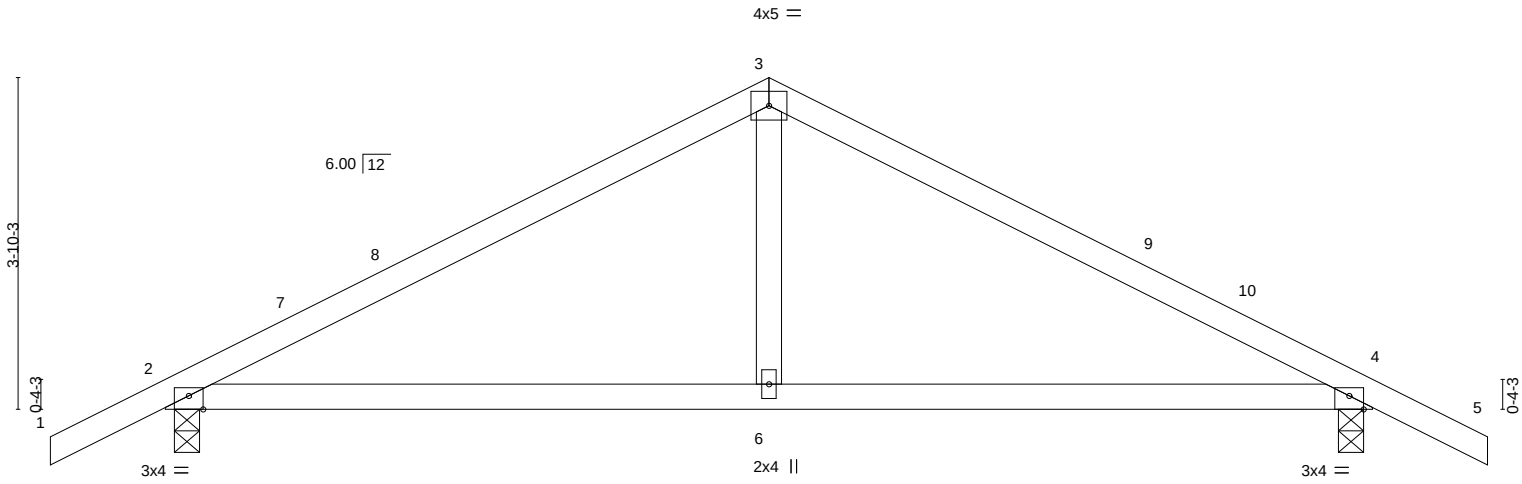
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	L02	COMMON	2	1	T38210411
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:26 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-AD8f5QW3LgM2eH?yW9l9rct12lysX5KKle6NjAyoIcZ

-1-4-0 1-4-0 | 7-0-0 7-0-0 | 14-0-0 7-0-0 | 15-4-0 1-4-0

Scale = 1:26.7



0-1-4 0-1-4 | 7-0-0 6-10-12 | 13-10-12 6-10-12 | 14-0-0 0-1-4

Plate Offsets (X,Y)-- [2:0-2-0,Edge], [4:0-2-0,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	0.65	Vert(LL)	-0.05	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.12	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.07	4-6	>999	240	Weight: 54 lb	FT = 20%

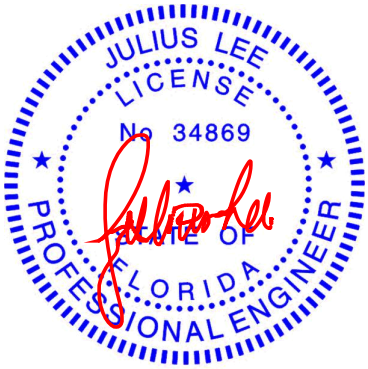
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=69(LC 11)
Max Uplift 2=-183(LC 12), 4=-183(LC 12)
Max Grav 2=637(LC 1), 4=637(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-765/337, 3-4=-765/337
BOT CHORD 2-6=-195/598, 4-6=-195/598
WEBS 3-6=-99/332

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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 7-0-0, Zone2 7-0-0 to 11-2-15, Zone1 11-2-15 to 15-4-0 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=183, 4=183.



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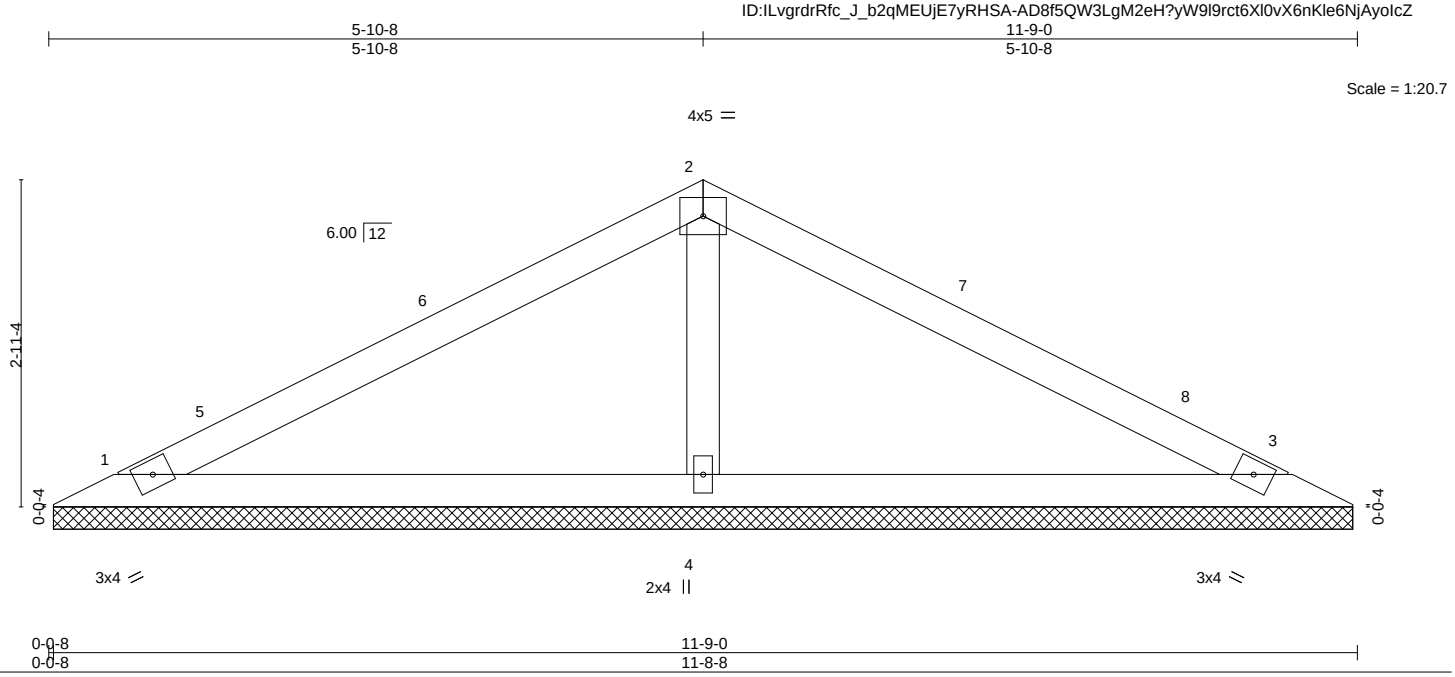
Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	LV1	Valley	1	1	T38210412
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:26 2025 Page 1
ID:ILvgrdrRfc_J_b2qMEUjE7yRHSA-AD8f5QW3LgM2eH?yW9l9rct6Xl0vX6nKle6NjAyoIcZ



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	0.36	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 38 lb	FT = 20%

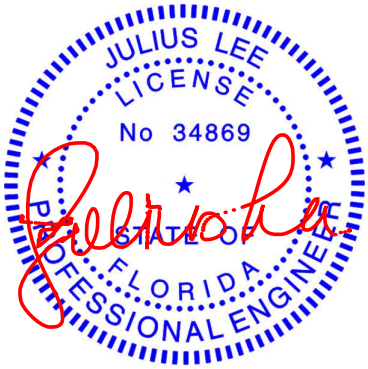
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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. (size) 1=11-8-0, 3=11-8-0, 4=11-8-0
Max Horz 1=-43(LC 10)
Max Uplift 1=-18(LC 12), 3=-18(LC 12)
Max Grav 1=193(LC 23), 3=193(LC 24), 4=459(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-305/152

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-7-9 to 3-7-9, Zone1 3-7-9 to 5-10-8, Zone2 5-10-8 to 10-1-7, Zone1 10-1-7 to 11-1-7 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 1, 3.



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Date:

August 14,2025

Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	LV2	Valley	1	1	T38210413
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:27 2025 Page 1
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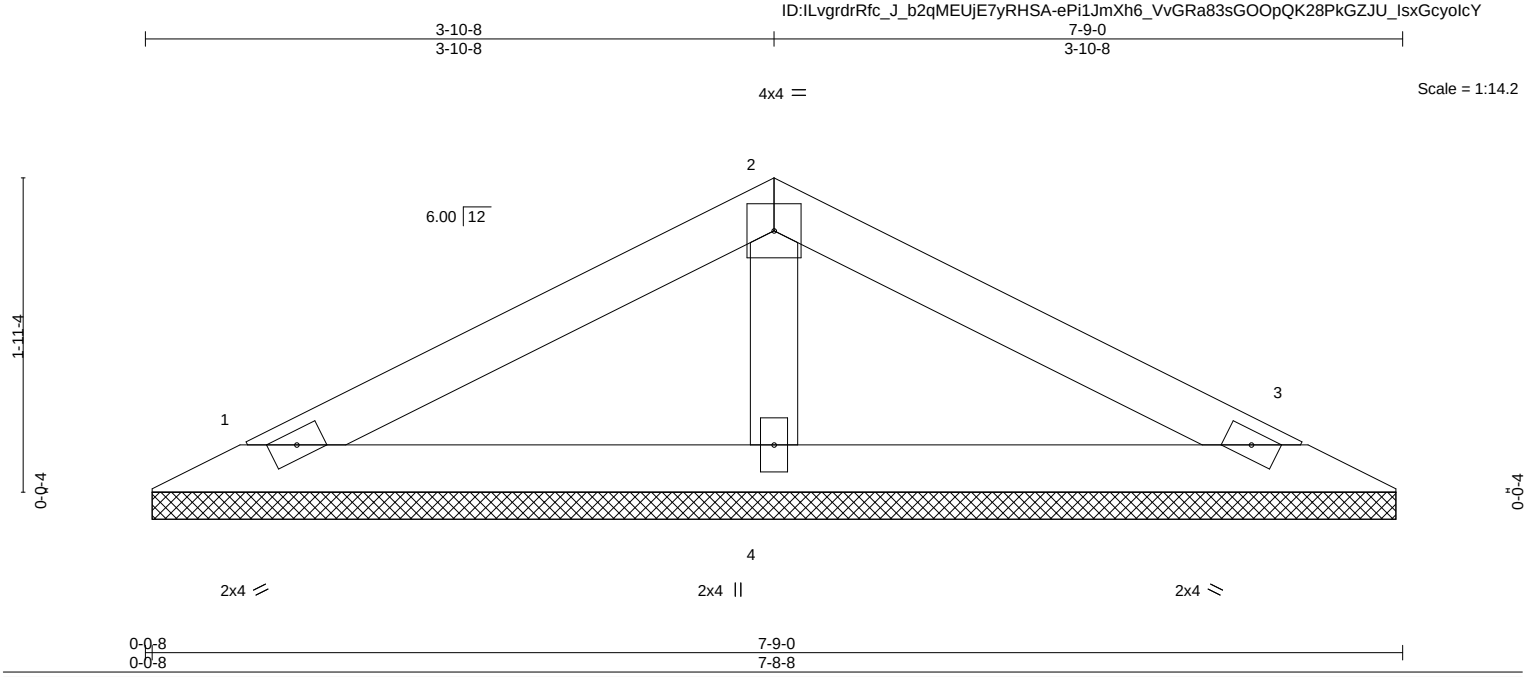


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 24 lb	FT = 20%

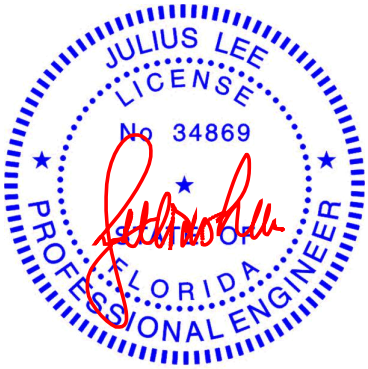
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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. (size) 1=7-8-0, 3=7-8-0, 4=7-8-0
Max Horz 1=27(LC 11)
Max Uplift 1=-17(LC 12), 3=-17(LC 12)
Max Grav 1=131(LC 1), 3=131(LC 1), 4=257(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) 1, 3.



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Job	Truss	Truss Type	Qty	Ply	2117-A-14x10 Lamai-Frame
6251988	LV3	Valley	1	1	T38210414
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Wed Aug 13 09:40:27 2025 Page 1
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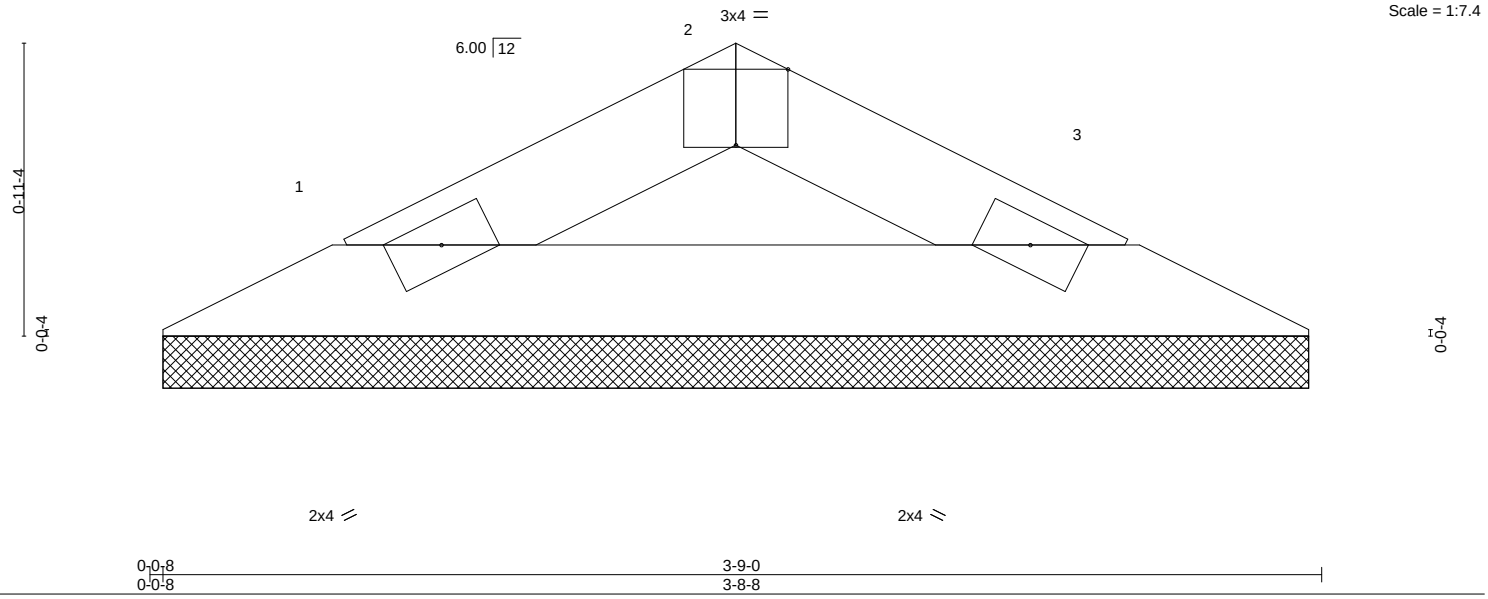


Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 10 lb	FT = 20%

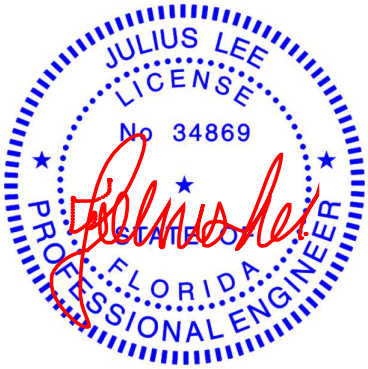
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 1=3-8-0, 3=3-8-0
Max Horz 1=-10(LC 10)
Max Uplift 1=-4(LC 12), 3=-4(LC 12)
Max Grav 1=100(LC 1), 3=100(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) 1, 3.



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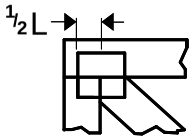
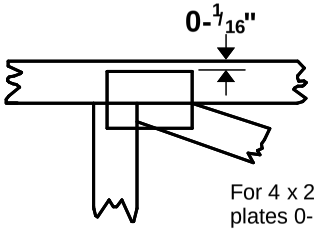
Symbols

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.

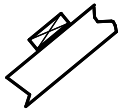
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

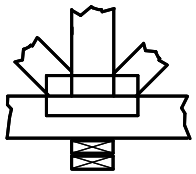
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

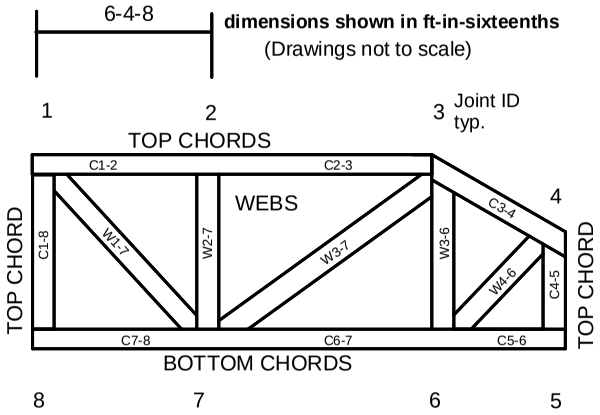


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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.