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

RE: 6251924 - 1970-C-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 038 Model: 1970-C-Frame
Lot/Block: 038 Subdivision: The Preserve at Laurel Lake
Address: 581 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):

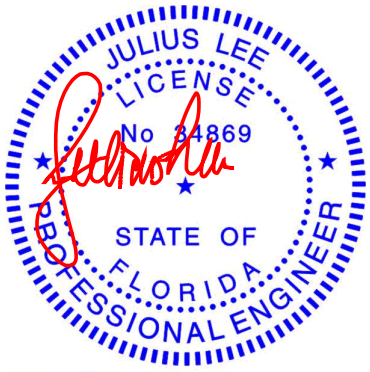
Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 35 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	T38097291	A01	8/1/25	23	T38097313	C3C	8/1/25
2	T38097292	A02	8/1/25	24	T38097314	C3T	8/1/25
3	T38097293	A03	8/1/25	25	T38097315	C5C	8/1/25
4	T38097294	A04	8/1/25	26	T38097316	C5T	8/1/25
5	T38097295	A05	8/1/25	27	T38097317	E01	8/1/25
6	T38097296	A06	8/1/25	28	T38097318	E7C	8/1/25
7	T38097297	A07	8/1/25	29	T38097319	E7T	8/1/25
8	T38097298	A08	8/1/25	30	T38097320	G01	8/1/25
9	T38097299	A09	8/1/25	31	T38097321	G01X	8/1/25
10	T38097300	A10	8/1/25	32	T38097322	G02	8/1/25
11	T38097301	A11	8/1/25	33	T38097323	H7C	8/1/25
12	T38097302	A12	8/1/25	34	T38097324	H7E	8/1/25
13	T38097303	A13	8/1/25	35	T38097325	H7T	8/1/25
14	T38097304	A14	8/1/25				
15	T38097305	A15	8/1/25				
16	T38097306	A16	8/1/25				
17	T38097307	B01	8/1/25				
18	T38097308	B02	8/1/25				
19	T38097309	B03	8/1/25				
20	T38097310	B04	8/1/25				
21	T38097311	C1	8/1/25				
22	T38097312	C1C	8/1/25				

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 1,2025

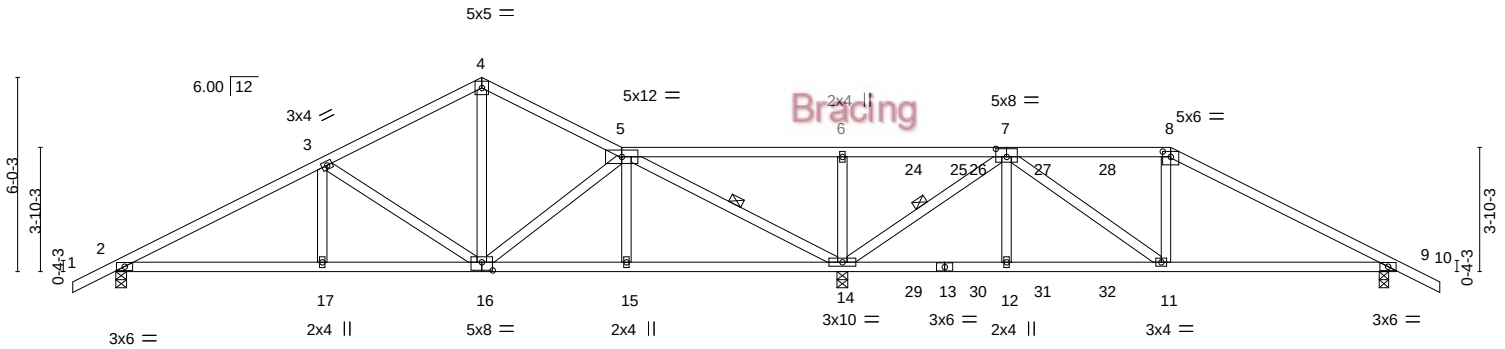
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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.

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	A01	ROOF SPECIAL GIRDER	1	1	T38097291
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:24 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-YMQHvQ?86xRsmI7?U9TFv7ell4bF5gZFOR?VT4ysFDn

1-4-0	6-4-12	11-4-0	15-8-0	22-6-0	27-7-0	32-8-0	39-8-0	41-0-0
1-4-0	6-4-12	4-11-5	4-4-0	6-10-0	5-1-0	5-1-0	7-0-0	1-4-0

Scale = 1:71.3



6-4-12	11-4-0	15-8-0	22-6-0	27-7-0	32-8-0	39-5-0	39-8-0
6-4-12	4-11-5	4-4-0	6-10-0	5-1-0	5-1-0	6-9-0	0-3-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	-0.08	11-23	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.18	11-23	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.49	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.11	11-23	>999	240	Weight: 203 lb	FT = 20%

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

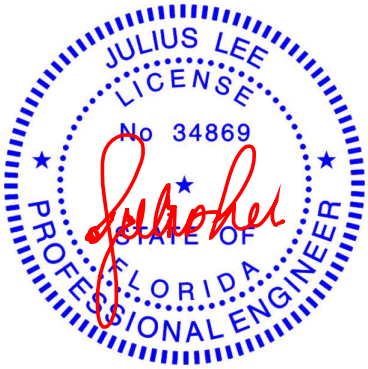
BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 8-7-12 oc bracing.
WEBS 1 Row at midpt 5-14, 7-14

REACTIONS. (size) 2=0-4-0, 14=0-4-0, 9=0-3-8
Max Horz 2=116(LC 7)
Max Uplift 2=-122(LC 27), 14=-542(LC 8), 9=-340(LC 8)
Max Grav 2=803(LC 13), 14=2942(LC 1), 9=1184(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1201/175, 3-4=-734/194, 4-5=-734/195, 5-6=-152/1281, 6-7=-152/1281, 7-8=-1681/508, 8-9=-1962/538
BOT CHORD 2-17=-81/1096, 16-17=-81/1096, 15-16=-177/686, 14-15=-174/691, 12-14=-447/903, 11-12=-447/903, 9-11=-423/1678
WEBS 3-17=0/252, 3-16=-548/61, 4-16=-103/402, 5-16=-183/372, 5-14=-1738/99, 6-14=-490/135, 7-14=-2543/657, 7-12=-92/401, 7-11=-150/1010, 8-11=-107/309

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; porch 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=122, 14=542, 9=340.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 161 lb down and 84 lb up at 24-7-4, 161 lb down and 84 lb up at 26-7-4, 161 lb down and 84 lb up at 28-7-4, and 161 lb down and 84 lb up at 30-7-4, and 437 lb down and 228 lb up at 32-8-0 on top chord, and 89 lb down and 34 lb up at 24-7-4, 89 lb down and 34 lb up at 26-7-4, 89 lb down and 34 lb up at 28-7-4, and 89 lb down and 34 lb up at 30-7-4, and 448 lb down and 37 lb up at 32-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard



Julius Lee PE No. 34869
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Date:

August 1,2025

Continued on page 2

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

LOAD CASE(S) Standard

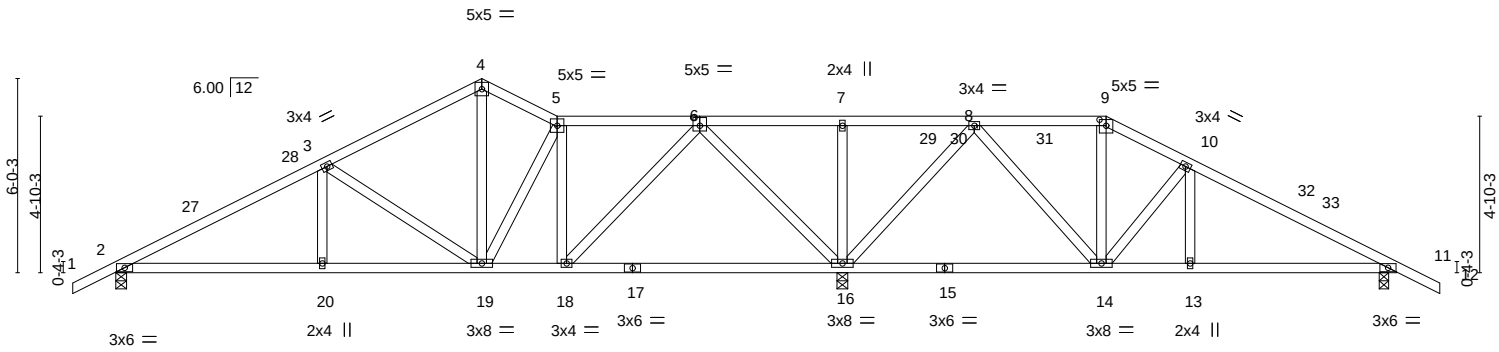
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-5=-60, 5-8=-60, 8-10=-60, 18-21=-20
   Concentrated Loads (lb)
   Vert: 8=-340(B) 11=-425(B) 24=-121(B) 26=-121(B) 27=-121(B) 28=-121(B) 29=-69(B) 30=-69(B) 31=-69(B) 32=-69(B)

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	A02	ROOF SPECIAL	1	1	T38097292
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:25 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-0Y_f7m?mtEZjOSiB2s_URKB26U_aq1LPd4l3?WysFDm

1-4-0	6-4-12	11-4-0	13-8-0	18-1-0	22-6-0	26-7-0	30-8-0	33-3-3	39-8-0	41-0-0
1-4-0	6-4-12	4-11-5	2-4-0	4-5-0	4-5-0	4-1-0	4-1-0	2-7-4	6-4-13	1-4-0

Scale = 1:71.3



6-4-12	11-4-0	13-8-0	22-6-0	30-8-0	33-3-3	39-5-0	39-8-0
6-4-12	4-11-5	2-4-0	8-10-0	8-2-0	2-7-4	6-1-13	0-3-0

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

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	0.40	Vert(LL)	-0.10	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.20	16-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.10	14-16	>999	240	Weight: 219 lb	FT = 20%

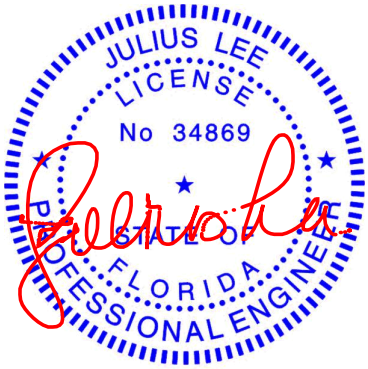
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-18,14-16.

REACTIONS. (size) 2=0-4-0, 16=0-4-0, 11=0-3-8
Max Horz 2=116(LC 11)
Max Uplift 2=-61(LC 12), 16=-253(LC 12), 11=-195(LC 12)
Max Grav 2=797(LC 1), 16=2010(LC 1), 11=565(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1165/109, 3-4=-662/101, 4-5=-610/119, 5-6=-510/64, 6-7=-79/863, 7-8=-79/863, 9-10=-333/263, 10-11=-646/322
BOT CHORD 2-20=-20/999, 19-20=-20/999, 18-19=0/547, 13-14=-223/516, 11-13=-223/516
WEBS 3-20=0/264, 3-19=-553/114, 4-19=-11/325, 5-18=-431/140, 6-18=-46/786, 6-16=-1200/157, 7-16=-251/68, 8-16=-958/313, 8-14=-192/592, 10-14=-427/212

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 11-4-0, Zone3 11-4-0 to 13-8-0, Zone1 13-8-0 to 30-8-0, Zone2 30-8-0 to 36-3-5, Zone1 36-3-5 to 41-0-0 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) 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) 2 except (jt=lb) 16=253, 11=195.



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

August 1,2025

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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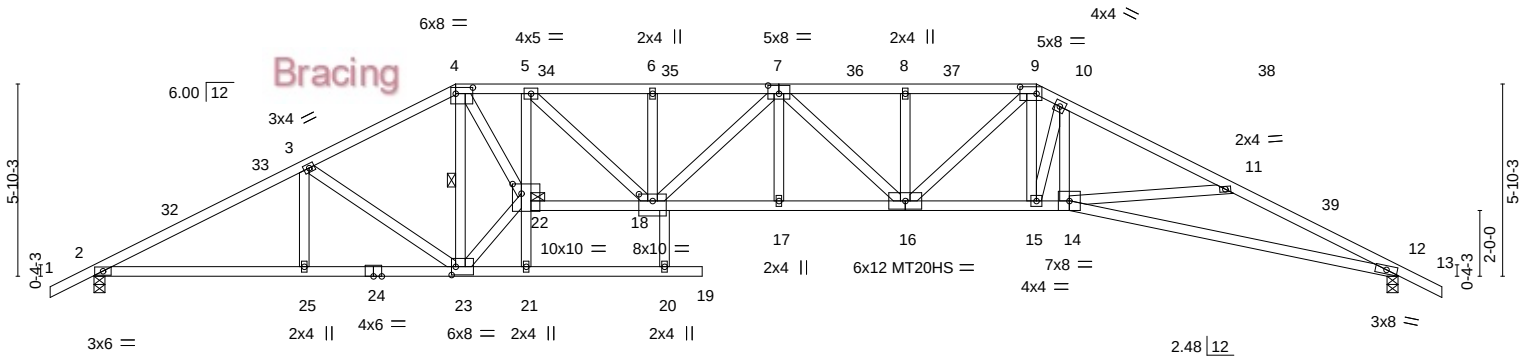
Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	A03	HIP	1	1	T38097293
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:26 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-UlX1K60PeYha0cHOcaVj_Yk8cuF4ZUgYskUcYyysFDl

1-4-0	6-4-12	11-0-0	14-0-0	16-11-14	20-10-0	24-8-2	28-8-0	29-8-0	34-4-15	39-8-0	41-0-0
1-4-0	6-4-12	4-7-4	3-0-0	2-11-14	3-10-2	3-10-2	3-11-14	1-0-0	4-8-15	5-3-1	1-4-0

Scale = 1:70.1



6-4-12	11-0-0	13-0-0	14-0-0	17-6-0	17-8-0	20-10-0	24-8-2	28-8-0	29-8-0	39-8-0
6-4-12	4-7-4	2-0-0	1-0-0	3-6-0	0-2-0	3-2-0	3-10-2	3-11-14	1-0-0	10-0-0

Plate Offsets (X,Y)-- [4:0-6-4,0-2-4], [7:0-4-0,0-3-0], [9:0-6-0,0-2-8], [18:0-5-0,0-2-8], [22:0-3-4,0-3-8], [23:0-1-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.48	19	>995	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.96	19	>496	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.50	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.27	19	>999	240	Weight: 239 lb	FT = 20%

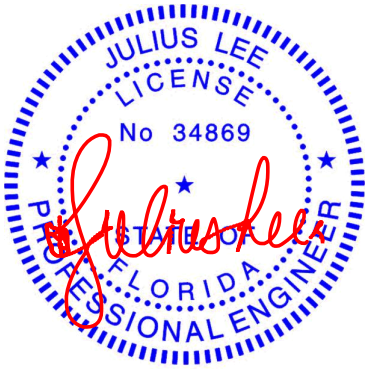
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
16-22,12-14: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 20-21.
WEBS 1 Row at midpt 4-23
JOINTS 1 Brace at Jt(s): 22

REACTIONS. (size) 2=0-4-0, 12=0-4-0
Max Horz 2=113(LC 11)
Max Uplift 2=-97(LC 12), 12=-99(LC 12)
Max Grav 2=1683(LC 1), 12=1680(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3102/230, 3-4=-2647/231, 4-5=-4288/286, 5-6=-4426/301, 6-7=-4420/300, 7-8=-4217/301, 8-9=-4217/301, 9-10=-4035/325, 10-11=-4490/288, 11-12=-4948/397
BOT CHORD 2-25=-133/2710, 23-25=-133/2710, 5-22=-333/74, 18-22=-121/4358, 17-18=-143/4486, 16-17=-143/4486, 15-16=-107/3598, 14-15=-141/3912, 12-14=-310/4469
WEBS 3-23=-502/92, 4-23=-2137/51, 22-23=-68/3301, 4-22=-119/3706, 5-18=-17/263, 7-16=-454/11, 9-16=-58/923, 9-15=-141/1200, 10-15=-1185/131, 10-14=0/1020, 11-14=-424/153

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 11-0-0, Zone2 11-0-0 to 16-7-5, Zone1 16-7-5 to 28-8-0, Zone2 28-8-0 to 34-3-5, Zone1 34-3-5 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) 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) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12.



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

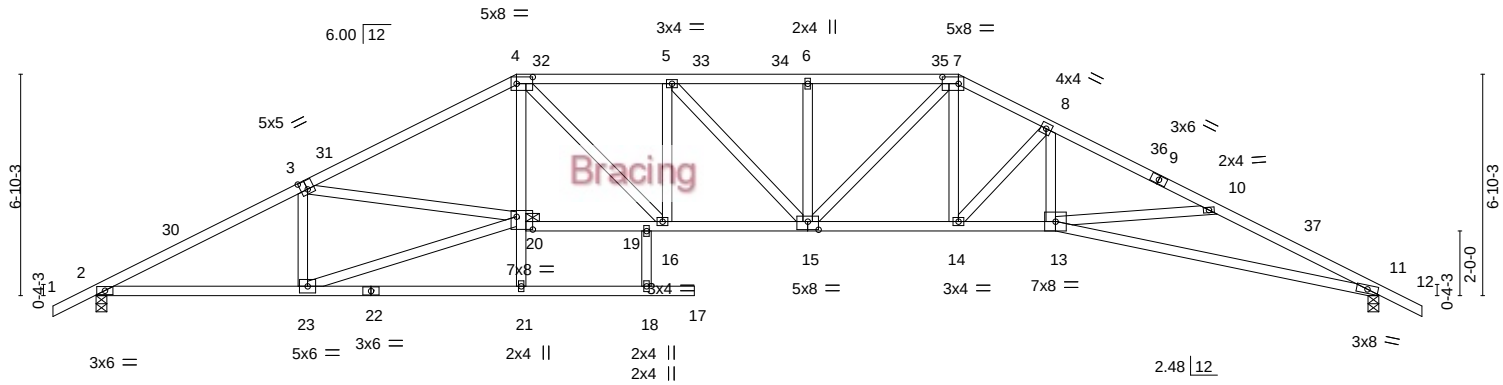
August 1,2025

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame T38097294
6251924	A04	HIP	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:26 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-UlX1K60PeYha0cHOcaVj_Yk8YuFVZXdYskUcYyysFDl

1-4-0	6-4-12	13-0-0	14-0-0	17-7-15	22-0-1	26-8-0	29-8-0	34-4-15	39-8-0	41-0-0
1-4-0	6-4-12	6-7-5	1-0-0	3-7-15	4-4-2	4-7-15	3-0-0	4-8-15	5-3-1	1-4-0

Scale = 1:71.2



6-4-12	13-0-0	14-0-0	17-2-0	17-7-15	22-0-1	26-8-0	29-8-0	39-8-0
6-4-12	6-7-4	1-0-0	3-2-0	0-5-15	4-4-2	4-7-15	3-0-0	10-0-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [4:0-6-0,0-2-8], [7:0-6-0,0-2-8], [15:0-4-0,0-3-0], [20:0-6-0,0-4-12]

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	0.73	Vert(LL)	-0.38	15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.76	15-16	>629	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.42	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.21	15	>999	240	Weight: 235 lb	FT = 20%

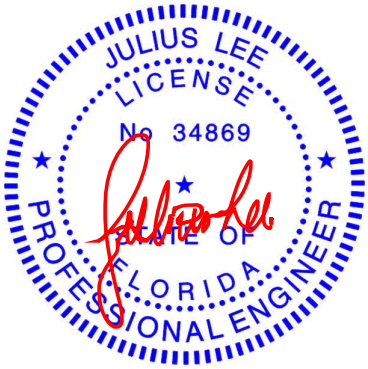
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
3-4: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
11-13: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 16-19
JOINTS 1 Brace at Jt(s): 20

REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=-131(LC 10)
Max Uplift 2=-97(LC 12), 11=-99(LC 12)
Max Grav 2=1683(LC 1), 11=1680(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3124/230, 3-4=-3679/246, 4-5=-3479/271, 5-6=-3482/276, 6-7=-3482/276, 7-8=-3470/278, 8-10=-4479/299, 10-11=-4950/395
BOT CHORD 2-23=-136/2733, 19-20=-57/3252, 16-19=-57/3249, 15-16=-82/3479, 14-15=-70/3084, 13-14=-153/3912, 11-13=-307/4470
WEBS 3-23=-735/123, 3-20=0/596, 4-20=0/1069, 20-23=-145/2866, 4-16=-37/492, 5-16=-364/95, 6-15=-287/99, 7-15=-42/677, 7-14=-56/964, 8-14=-1237/122, 8-13=0/1053, 10-13=-422/137

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 13-0-0, Zone2 13-0-0 to 18-7-5, Zone1 18-7-5 to 26-8-0, Zone2 26-8-0 to 32-3-5, Zone1 32-3-5 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 11 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) 2, 11.



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

August 1,2025

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	1970-C-Frame
6251924	A05	HIP	1	1	T38097295
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:27 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-yx5QXS11PsqRdmsaAH0yXlGKsIapIxZi4OE94OysFDk

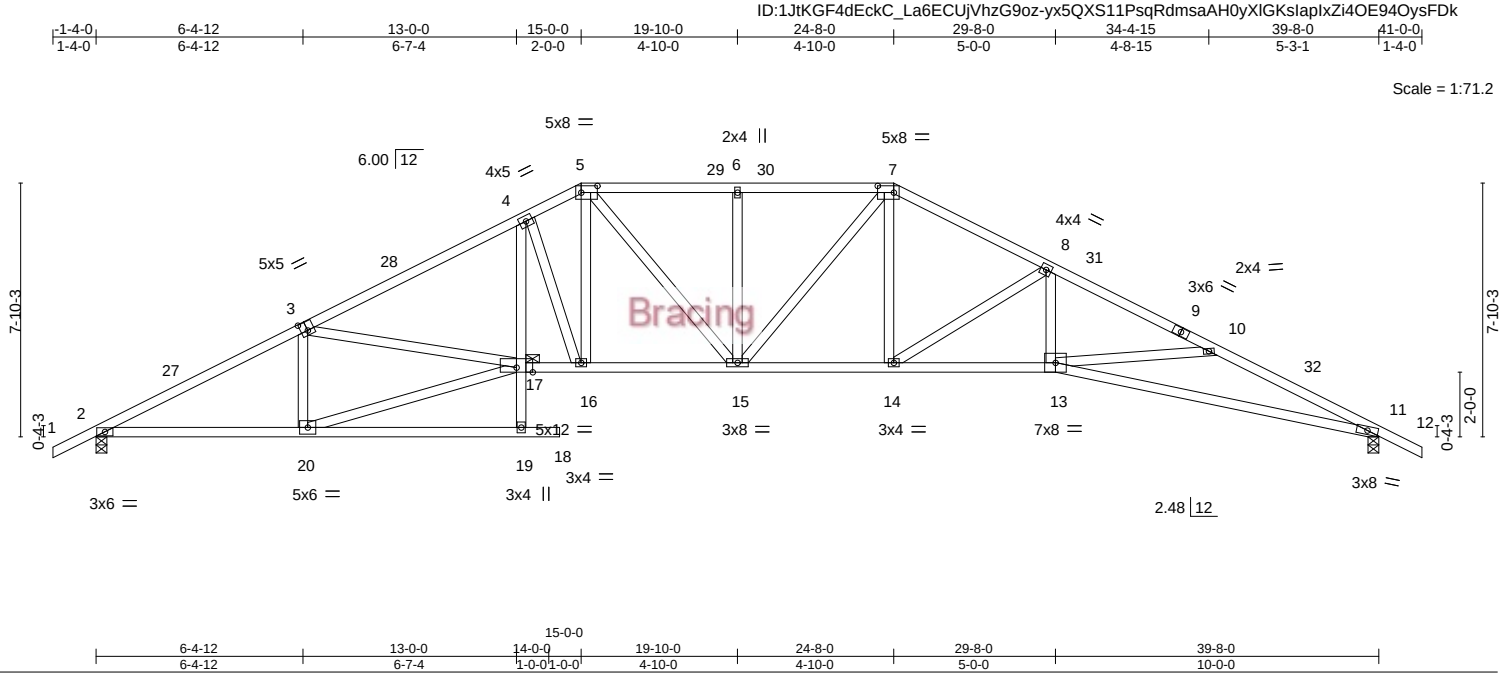


Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	-0.36	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.71	13-14	>669	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.40	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.20	13-14	>999	240	Weight: 235 lb	FT = 20%

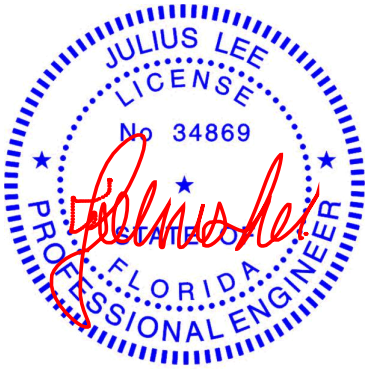
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
11-13: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 17-19
JOINTS 1 Brace at Jt(s): 17

REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=-149(LC 10)
Max Uplift 2=-97(LC 12), 11=-102(LC 12)
Max Grav 2=1682(LC 1), 11=1675(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3116/228, 3-4=-3616/271, 4-5=-3051/279, 5-6=-2880/272, 6-7=-2880/272, 7-8=-3066/266, 8-10=-4471/318, 10-11=-4926/399
BOT CHORD 2-20=-132/2725, 4-17=-1/994, 16-17=-81/3147, 15-16=-28/2710, 14-15=-48/2697, 13-14=-174/3908, 11-13=-310/4447
WEBS 3-20=-696/125, 17-20=-156/2776, 3-17=0/494, 4-16=-1159/134, 5-16=-75/1020, 5-15=-46/411, 7-15=-33/438, 7-14=-25/874, 8-14=-1454/149, 8-13=0/1064, 10-13=-405/125, 6-15=-331/108

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 15-0-0, Zone2 15-0-0 to 20-7-5, Zone1 20-7-5 to 24-8-0, Zone2 24-8-0 to 30-3-5, Zone1 30-3-5 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 11 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) 2 except (jt=lb) 11=102.



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

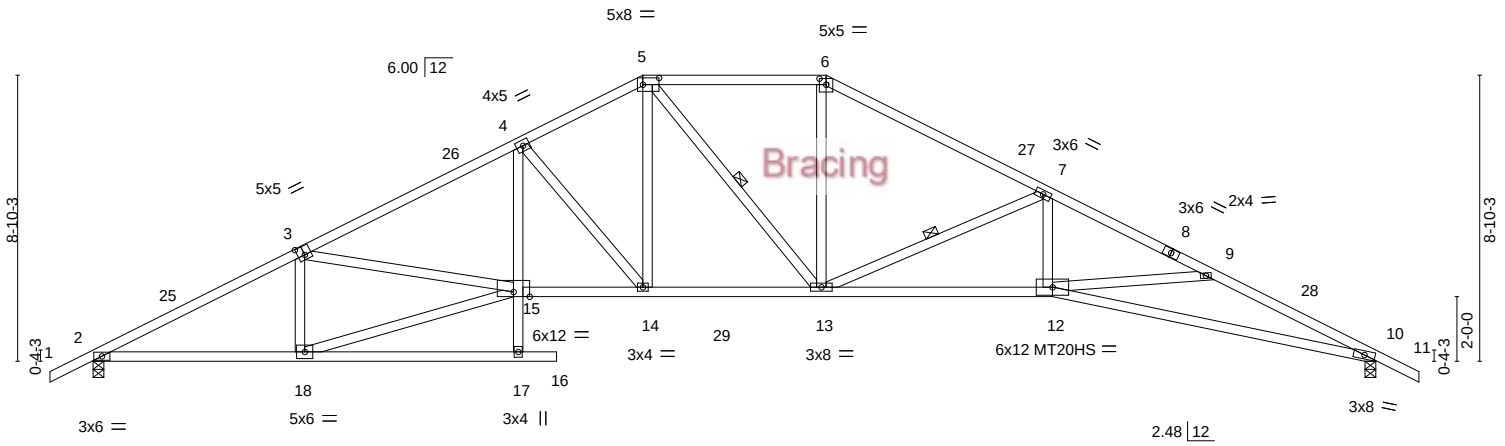
August 1,2025

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	A06	HIP	1	1	T38097296
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:28 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-Q7folo2fA9yIFwQmj?XB3zpVnhwU1OLrJ2zjcrysFDj

1-4-0	6-4-12	13-0-0	17-0-0	22-8-0	29-8-0	34-4-15	39-8-0	41-0-0
1-4-0	6-4-12	6-7-4	4-0-0	5-8-0	7-0-0	4-8-15	5-3-1	1-4-0

Scale = 1:71.2



6-4-12	13-0-0	14-0-0	17-0-0	22-8-0	29-8-0	39-8-0
6-4-12	6-7-4	1-0-0	3-0-0	5-8-0	7-0-0	10-0-0

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

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	0.69	Vert(LL)	-0.40	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.76	12-13	>626	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.39	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.19	12-13	>999	240	Weight: 226 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	6-8: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD	2x4 SP No.2 *Except*
	12-15,10-12: 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 10-0-0 oc bracing. Except:
	10-0-0 oc bracing: 15-17
WEBS	1 Row at midpt 5-13, 7-13

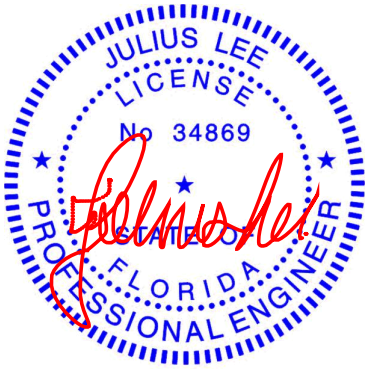
REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=-168(LC 10)
Max Uplift 2=-97(LC 12), 10=-102(LC 12)
Max Grav 2=1868(LC 17), 10=1853(LC 18)

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

TOP CHORD	2-3=-3465/226, 3-4=-4042/273, 4-5=-3011/262, 5-6=-2637/260, 6-7=-3000/251, 7-9=-4957/325, 9-10=-5386/388
BOT CHORD	2-18=-130/3161, 4-15=0/1197, 14-15=-86/3638, 13-14=-7/2737, 12-13=-185/4317, 10-12=-300/4887
WEBS	3-18=-725/123, 15-18=-151/3222, 3-15=0/490, 4-14=-1411/119, 5-14=-32/1169, 6-13=0/1017, 7-13=-1934/179, 7-12=0/1287, 9-12=-382/109

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 17-0-0, Zone3 17-0-0 to 22-8-0, Zone2 22-8-0 to 28-3-5, Zone1 28-3-5 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) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Bearing at joint(s) 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) 2 except (jt=lb) 10=102.



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

Date:

August 1,2025

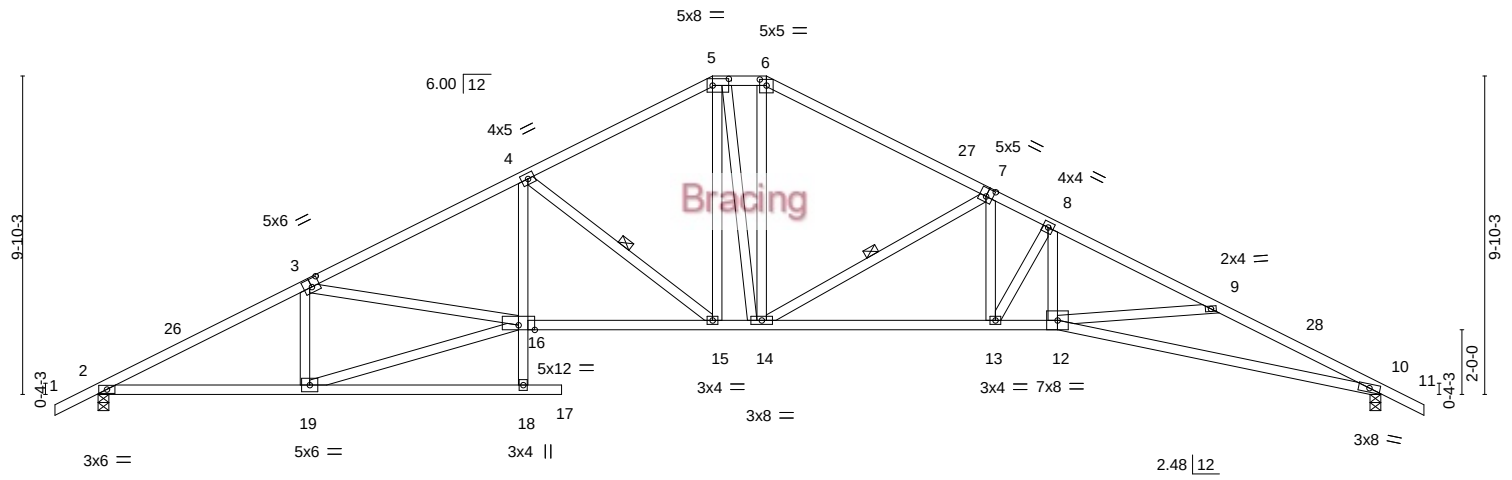
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	A07	HIP	1	1	T38097297
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:29 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-uJDAy82HxT49t3?zHi3QcAMdg5GXmva_YijG9HysFDi

1-4-0	6-4-12	14-0-0	19-0-0	20-8-0	27-7-4	29-8-0	34-4-15	39-8-0	41-0-0
1-4-0	6-4-12	7-7-3	5-0-0	1-8-0	6-11-4	2-0-13	4-8-15	5-3-1	1-4-0

Scale = 1:71.2



6-4-12	13-0-0	14-0-0	19-0-0	20-8-0	27-7-4	29-8-0	39-8-0
6-4-12	6-7-4	1-0-0	5-0-0	1-8-0	6-11-4	2-0-13	10-0-0

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

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	0.87	Vert(LL)	-0.35	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.75	13-14	>638	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.41	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.20	13	>999	240	Weight: 242 lb	FT = 20%

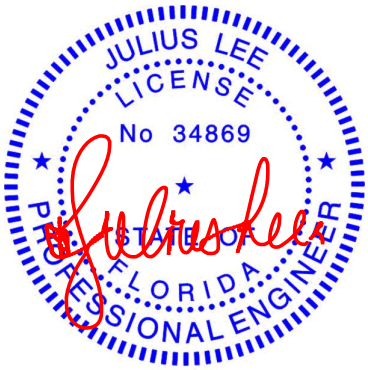
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
10-12: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 16-18
WEBS 1 Row at midpt 4-15, 7-14

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=-186(LC 10)
Max Uplift 2=-97(LC 12), 10=-102(LC 12)
Max Grav 2=1682(LC 1), 10=1675(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3110/199, 3-4=-3635/238, 4-5=-2433/225, 5-6=-2120/230, 6-7=-2454/220, 7-8=-3728/268, 8-9=-4467/264, 9-10=-4937/362
BOT CHORD 2-19=-106/2718, 4-16=0/977, 15-16=-62/3190, 14-15=0/2110, 13-14=-99/3323, 12-13=-121/3888, 10-12=-278/4459
WEBS 3-19=-703/113, 16-19=-120/2809, 3-16=0/429, 4-15=-1381/132, 5-15=-40/834, 5-14=-175/256, 6-14=-18/780, 7-14=-1412/154, 7-13=0/982, 8-13=-1039/49, 8-12=-0/1029, 9-12=-450/139

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 19-0-0, Zone3 19-0-0 to 20-8-0, Zone2 20-8-0 to 26-3-5, Zone1 26-3-5 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 10 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) 2 except (jt=lb) 10=102.



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

August 1,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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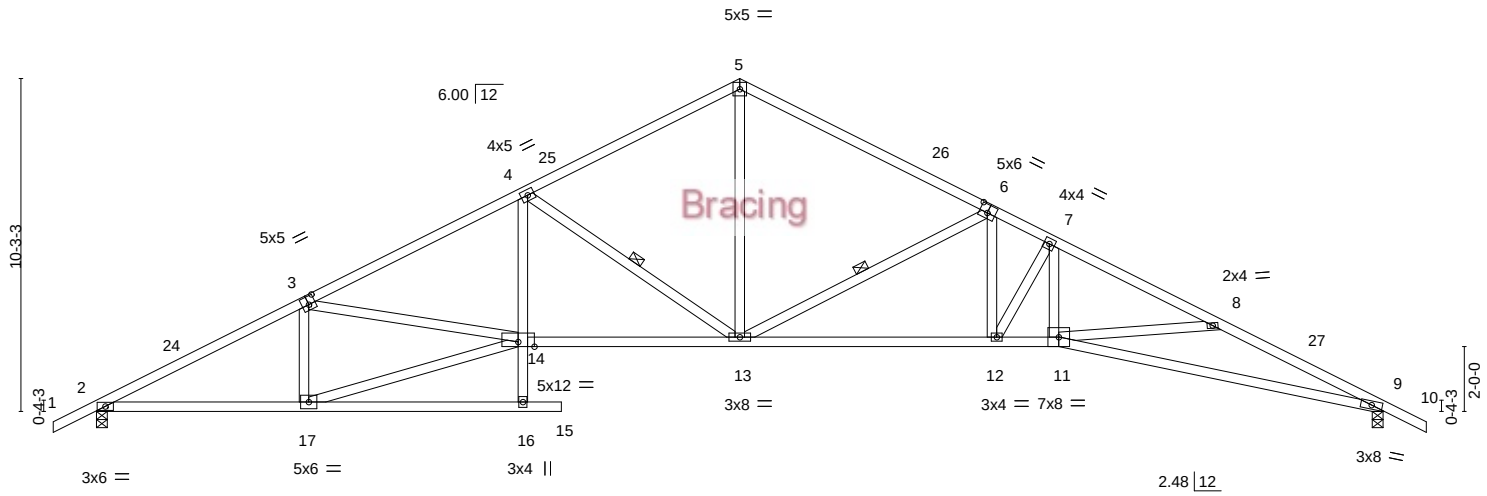
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	A08	ROOF SPECIAL	9	1	T38097298
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:29 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-uJDAy82HxT49t3?zHi3QcAMfg5E5mvd_YijG9HysFDi

1-4-0	6-4-12	14-0-0	19-10-0	27-7-5	29-8-0	34-4-15	39-8-0	41-0-0
1-4-0	6-4-12	7-7-3	5-10-0	7-9-5	2-0-11	4-8-15	5-3-1	1-4-0

Scale = 1:71.0



6-4-12	13-0-0	14-0-0	19-10-0	27-7-5	29-8-0	39-8-0
6-4-12	6-7-4	1-0-0	5-10-0	7-9-5	2-0-11	10-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	-0.36	12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.77	12-13	>615	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.41	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.21	12	>999	240	Weight: 223 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	5-6: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD	2x4 SP No.2 *Except*
	9-11: 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 10-0-0 oc bracing, Except:
	2-2-0 oc bracing: 13-14,12-13.
	10-0-0 oc bracing: 14-16
WEBS	1 Row at midpt 4-13, 6-13

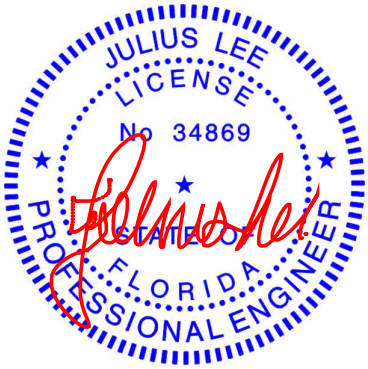
REACTIONS. (size) 2=0-4-0, 9=0-4-0
Max Horz 2=-193(LC 10)
Max Uplift 2=-97(LC 12), 9=-102(LC 12)
Max Grav 2=1682(LC 1), 9=1675(LC 1)

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

TOP CHORD	2-3=-3112/235, 3-4=-3637/270, 4-5=-2360/252, 5-6=-2374/244, 6-7=-3733/296, 7-8=-4465/296, 8-9=-4938/396
BOT CHORD	2-17=-119/2721, 4-14=0/965, 13-14=-84/3194, 12-13=-135/3338, 11-12=-149/3886, 9-11=-308/4460
WEBS	3-17=-700/116, 14-17=-133/2796, 3-14=0/441, 4-13=-1417/161, 5-13=-60/1619, 6-13=-1487/190, 6-12=0/969, 7-12=-1010/50, 7-11=-9/1024, 8-11=-458/151

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 19-10-0, Zone2 19-10-0 to 25-5-5, Zone1 25-5-5 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 9=102.



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

August 1,2025

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	A09	ROOF SPECIAL	1	1	T38097299
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:30 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-NWnYAU3vinC0UDa9rPaf8OuqqVaJVMt8mMSphjysFDh

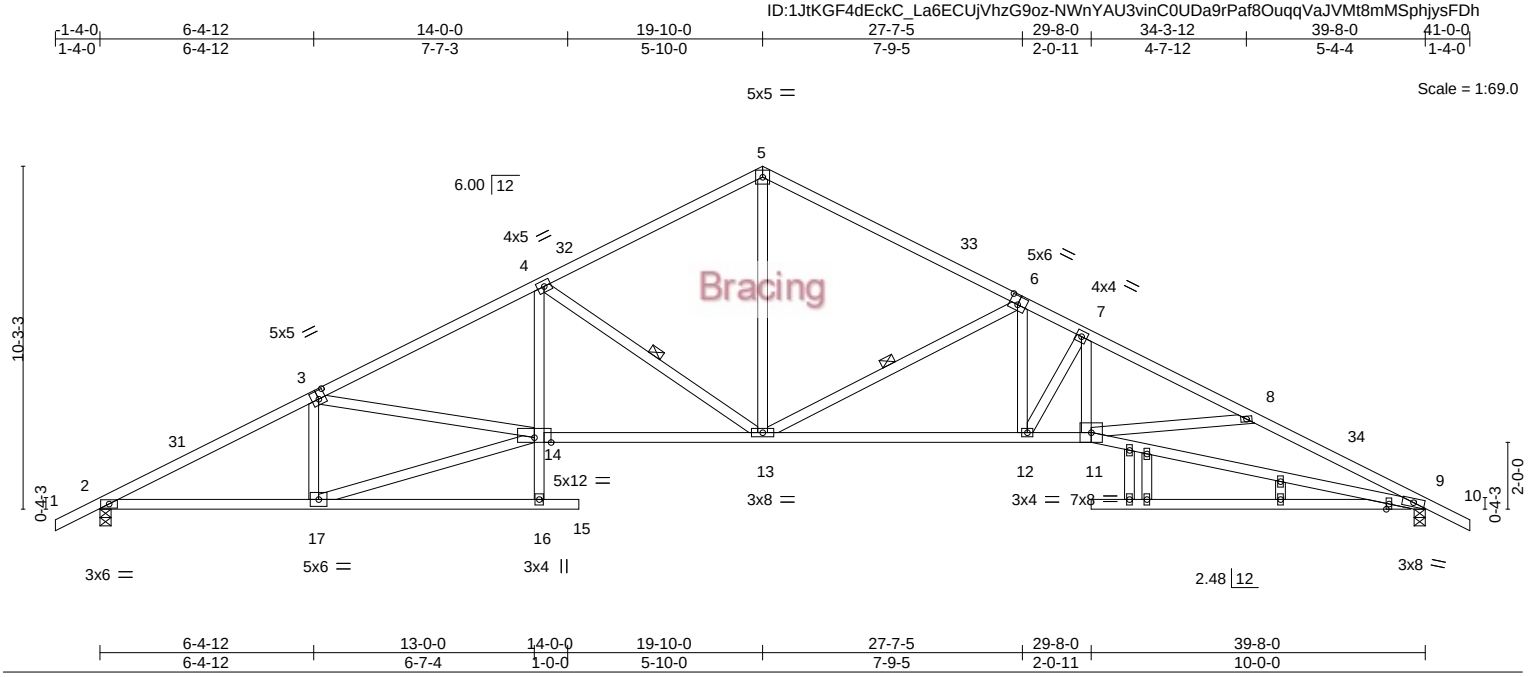


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	-0.36	12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.77	12-13	>615	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.41	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.21	12	>999	240	Weight: 242 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
5-6: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
9-11: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-

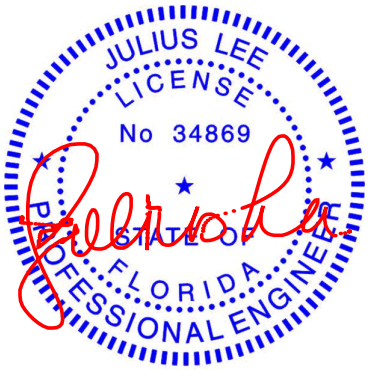
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
10-0-0 oc bracing: 14-16
WEBS 1 Row at midpt 4-13, 6-13

REACTIONS. (size) 2=0-4-0, 9=0-4-0
Max Horz 2=-193(LC 10)
Max Uplift 2=-97(LC 12), 9=-102(LC 12)
Max Grav 2=1682(LC 1), 9=1675(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3112/235, 3-4=-3637/270, 4-5=-2360/252, 5-6=-2374/244, 6-7=-3731/295, 7-8=-4462/295, 8-9=-4931/395
BOT CHORD 2-17=-119/2721, 4-14=0/965, 13-14=-84/3194, 12-13=-135/3338, 11-12=-148/3884, 9-11=-306/4453
WEBS 3-17=-700/116, 14-17=-133/2796, 3-14=0/441, 4-13=-1418/161, 5-13=-60/1619, 6-13=-1487/190, 6-12=0/965, 7-12=-1006/48, 7-11=-11/1028, 8-11=-453/150

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 19-10-0, Zone2 19-10-0 to 25-5-5, Zone1 25-5-5 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 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) 9 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) 2 except (jt=lb) 9=102.



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

August 1,2025

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	A10	HIP	1	1	T38097300
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:31 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-riLwNq4XT4Kt6N9LP75uhbRz9vy?Ep7H?0CNDAysFDg

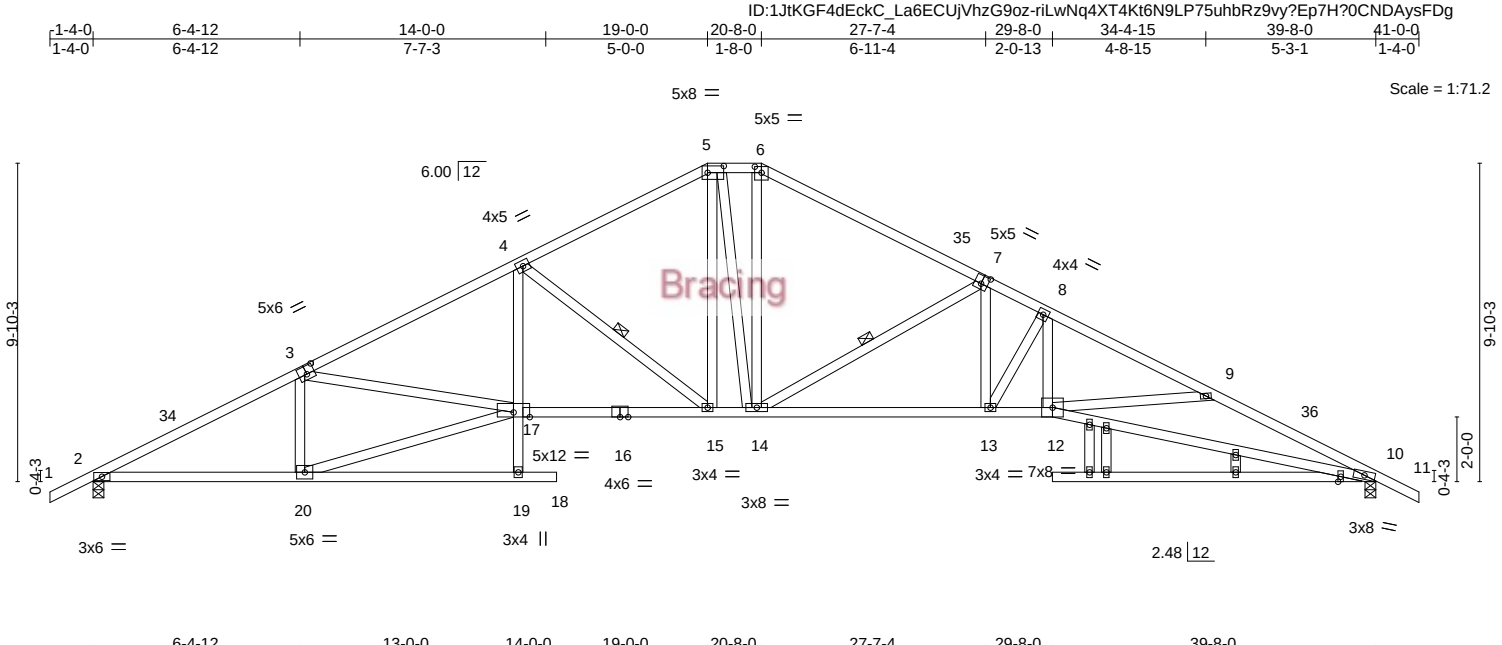


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [5:0-6-0,0-2-8], [6:0-2-8,0-2-4], [7:0-2-8,0-3-0]

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	0.87	Vert(LL)	-0.36	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.74	13-14	>640	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.41	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.20	13	>999	240	Weight: 262 lb	FT = 20%

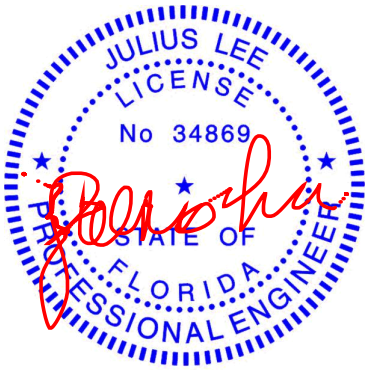
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
10-12: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 17-19
WEBS 1 Row at midpt 4-15, 7-14

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=-186(LC 10)
Max Uplift 2=-97(LC 12), 10=-102(LC 12)
Max Grav 2=1682(LC 1), 10=1675(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3110/199, 3-4=-3627/238, 4-5=-2419/225, 5-6=-2121/230, 6-7=-2455/220, 7-8=-3727/268, 8-9=-4467/264, 9-10=-4937/362
BOT CHORD 2-20=-106/2718, 4-17=0/981, 15-17=-60/3181, 14-15=0/2096, 13-14=-99/3323, 12-13=-121/3888, 10-12=-278/4459
WEBS 3-20=-699/113, 17-20=-120/2792, 3-17=0/423, 4-15=-1384/132, 5-15=-39/753, 5-14=-112/309, 6-14=-18/781, 7-14=-1411/154, 7-13=0/980, 8-13=-1040/49, 8-12=-0/1030, 9-12=-450/139

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 19-0-0, Zone3 19-0-0 to 20-8-0, Zone2 20-8-0 to 26-3-5, Zone1 26-3-5 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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 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) 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) 2 except (jt=lb) 10=102.



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

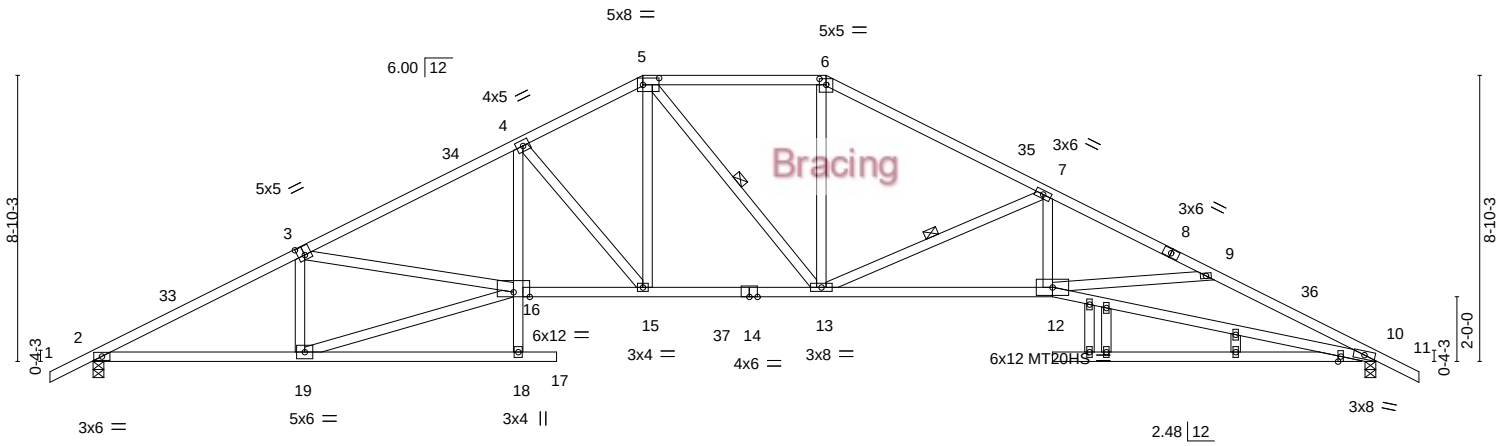
August 1,2025

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame	T38097301
6251924	A11	HIP	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:32 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-JuvJb959EOSkkXkYyqc7Dp_BlJILzCHREgxwlcysFDf

1-4-0	6-4-12	13-0-0	17-0-0	22-8-0	29-8-0	34-4-15	39-8-0	41-0-0
1-4-0	6-4-12	6-7-4	4-0-0	5-8-0	7-0-0	4-8-15	5-3-1	1-4-0

Scale = 1:71.2



6-4-12	13-0-0	14-0-0	17-0-0	22-8-0	29-8-0	39-8-0
6-4-12	6-7-4	1-0-0	3-0-0	5-8-0	7-0-0	10-0-0

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

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	0.69	Vert(LL)	-0.40	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.77	12-13	>621	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.41	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.19	12-13	>999	240	Weight: 245 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
6-8: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
10-12,12-14: 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 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 16-18
WEBS 1 Row at midpt 5-13, 7-13

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=168(LC 11)
Max Uplift 2=-97(LC 12), 10=-102(LC 12)
Max Grav 2=1868(LC 17), 10=1853(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3465/226, 3-4=-4044/274, 4-5=-3011/262, 5-6=-2637/260, 6-7=-3000/251, 7-9=-4957/325, 9-10=-5386/388
BOT CHORD 2-19=-130/3161, 4-16=0/1202, 15-16=-86/3640, 13-15=-7/2736, 12-13=-185/4317, 10-12=-300/4887
WEBS 3-19=-727/123, 16-19=-151/3227, 3-16=0/491, 4-15=-1416/119, 5-15=-33/1167, 6-13=0/1017, 7-13=-1934/179, 7-12=0/1287, 9-12=-382/109

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 17-0-0, Zone3 17-0-0 to 22-8-0, Zone2 22-8-0 to 28-3-5, Zone1 28-3-5 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) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 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, with BCDL = 10.0psf.
9) 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 10=102.

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

August 1,2025

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

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame T38097302
6251924	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. Fri Aug 1 10:15:32 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-JuvJb959EOSkkXkYyqc7Dp_BcJHzzCoREgxwlcysFDf

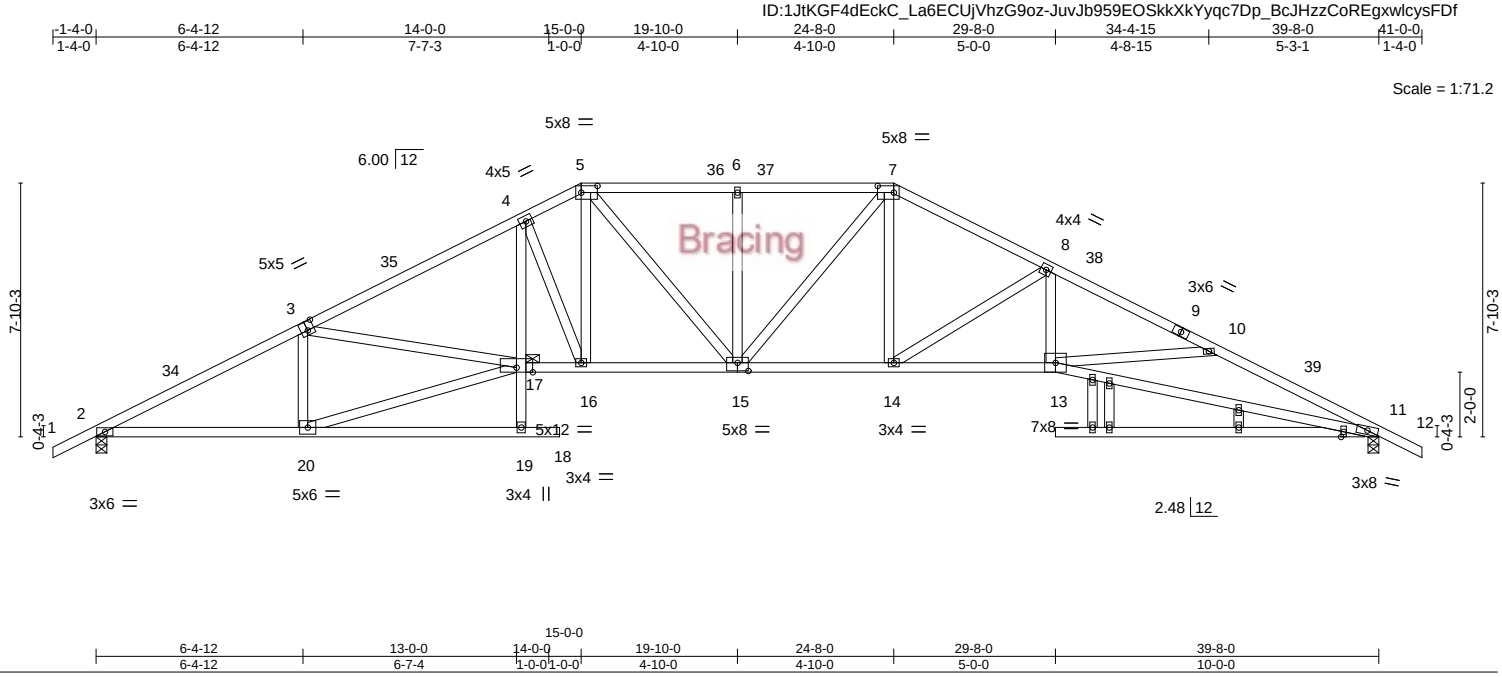


Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8], [15:0-4-0,0-3-0]

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)	-0.36	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.71	13-14	>669	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.40	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.20	13-14	>999	240	Weight: 254 lb	FT = 20%

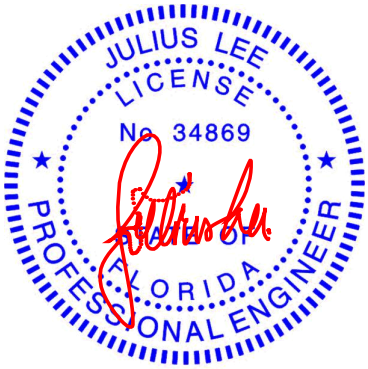
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
11-13: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 17-19
JOINTS 1 Brace at Jt(s): 17

REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=-149(LC 10)
Max Uplift 2=-97(LC 12), 11=-102(LC 12)
Max Grav 2=1682(LC 1), 11=1675(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3116/228, 3-4=-3616/271, 4-5=-3051/279, 5-6=-2880/272, 6-7=-2880/272, 7-8=-3066/266, 8-10=-4471/318, 10-11=-4926/399
BOT CHORD 2-20=-132/2725, 4-17=-1/994, 16-17=-81/3147, 15-16=-28/2710, 14-15=-48/2697, 13-14=-174/3908, 11-13=-310/4447
WEBS 3-20=-696/125, 17-20=-156/2776, 3-17=0/494, 4-16=-1159/134, 5-16=-75/1020, 5-15=-46/411, 6-15=-331/108, 7-15=-33/438, 7-14=-25/874, 8-14=-1454/149, 8-13=0/1064, 10-13=-405/125

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 15-0-0, Zone2 15-0-0 to 20-7-5, Zone1 20-7-5 to 24-8-0, Zone2 24-8-0 to 30-3-5, Zone1 30-3-5 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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 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) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 11=102.



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

August 1,2025

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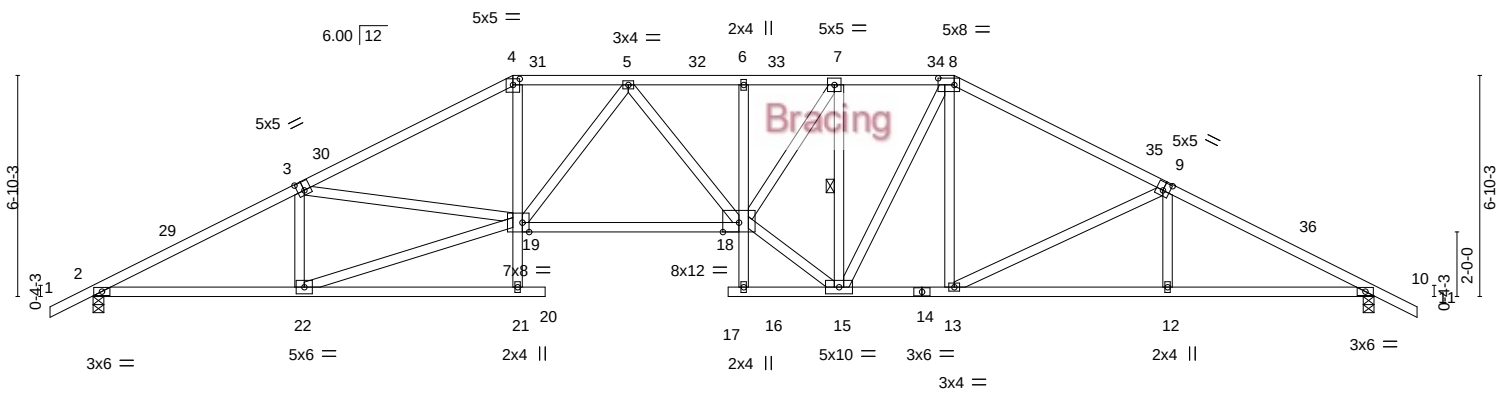
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	A13	HIP	1	1	T38097303
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:33 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-n5ThoV5o_iabLhJkWY7Mm0WOhif5ijWaTKhUI2ysFDe

1-4-0	6-4-12	13-0-0	14-0-0	16-6-14	20-0-0	23-1-3	26-8-0	33-3-4	39-8-0	41-0-0
1-4-0	6-4-12	6-7-5	1-0-0	2-6-14	3-5-2	3-1-3	3-6-13	6-7-4	6-4-12	1-4-0

Scale = 1:71.3



6-4-12	13-0-0	14-0-0	20-0-0	23-1-3	26-8-0	33-3-4	39-8-0
6-4-12	6-7-5	1-0-0	6-0-0	3-1-3	3-6-13	6-7-4	6-4-12

Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [4:0-2-8,0-2-4], [8:0-6-0,0-2-8], [9:0-2-8,0-3-0], [19:0-2-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.28	17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.62	18-19	>773	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.26	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.16	17	>999	240	Weight: 244 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	3-4,8-9: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD	2x4 SP No.2 *Except*
	18-19: 2x4 SP M 31 or 2x4 SP SS
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-11-5 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
	10-0-0 oc bracing: 16-18
WEBS	1 Row at midpt 7-15

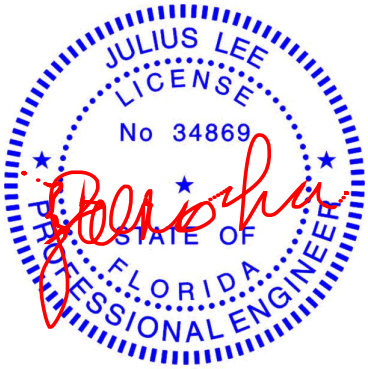
REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=131(LC 11)
Max Uplift 2=-98(LC 12), 10=-101(LC 12)
Max Grav 2=1681(LC 1), 10=1676(LC 1)

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

TOP CHORD	2-3=-3121/231, 3-4=-3488/255, 4-5=-3120/263, 5-6=-3498/278, 6-7=-3475/281, 7-8=-2359/254, 8-9=-2494/234, 9-10=-3105/239
BOT CHORD	2-22=-136/2730, 18-19=-104/3378, 13-15=-54/2151, 12-13=-153/2713, 10-12=-151/2716
WEBS	3-22=-630/127, 3-19=0/454, 4-19=-20/1234, 19-22=-147/2826, 5-19=-567/67, 5-18=0/295, 15-18=-60/2796, 7-18=-51/2052, 7-15=-1908/99, 8-15=-43/549, 8-13=0/436, 9-13=-639/110, 9-12=0/276

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 13-0-0, Zone2 13-0-0 to 18-7-5, Zone1 18-7-5 to 26-8-0, Zone2 26-8-0 to 32-3-5, Zone1 32-3-5 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) 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) 2 except (jt=lb) 10=101.



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Date:

August 1,2025

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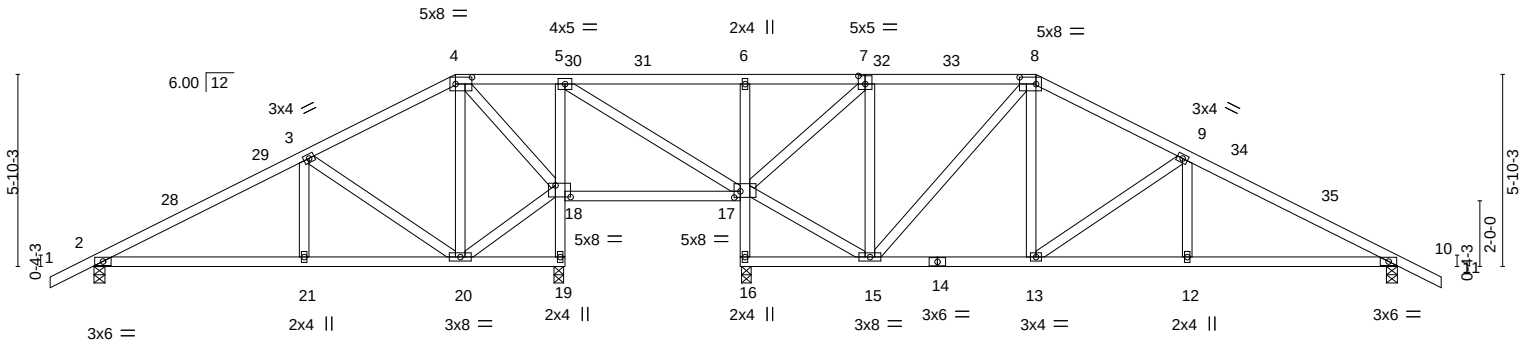
Job	Truss	Truss Type	Qty	Ply	1970-C-Frame T38097304
6251924	A14	HIP	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:34 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-FH03?r6Ql?iRzruw4FebJE3bx63DRCijh_Q1qUysFDd

1-4-0	6-4-12	11-0-0	14-4-0	19-8-0	23-7-6	28-8-0	33-3-4	39-8-0	41-0-0
1-4-0	6-4-12	4-7-4	3-4-0	5-4-0	3-11-6	5-0-10	4-7-4	6-4-12	1-4-0

Scale = 1:70.1



6-4-12	11-0-0	14-0-0	14-4-0	19-8-0	20-0-0	23-7-6	28-8-0	33-3-4	39-8-0
6-4-12	4-7-4	3-0-0	0-4-0	5-4-0	0-4-0	3-7-6	5-0-10	4-7-4	6-4-12

Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [7:0-2-8,0-3-0], [8:0-6-0,0-2-8], [17:0-2-4,0-2-4], [18:0-5-8,0-4-4]

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	0.39	Vert(LL)	-0.05	12-27	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.11	12-27	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	-0.01	16	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.03	12-27	>999	240	Weight: 235 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 4-10-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-5-11 oc bracing.

REACTIONS. All bearings 0-4-0 except (jt=length) 19=0-3-8, 16=0-3-8.
(lb) - Max Horz 2=113(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 16
Max Grav All reactions 250 lb or less at joint(s) except 2=582(LC 23), 10=804(LC 24), 19=817(LC 23), 16=1193(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-691/110, 4-5=0/302, 5-6=0/396, 6-7=0/410, 7-8=-253/113, 8-9=-701/122, 9-10=-1176/121
BOT CHORD 2-21=-26/561, 20-21=-26/561, 18-19=-788/36, 5-18=-262/72, 17-18=-291/112, 16-17=-1163/120, 6-17=-270/77, 13-15=0/570, 12-13=-43/990, 10-12=-43/990
WEBS 3-21=0/254, 3-20=-540/95, 4-20=-45/306, 4-18=-577/85, 15-17=0/283, 7-17=-885/123, 7-15=-6/361, 8-15=-480/38, 8-13=0/399, 9-13=-520/94

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 11-0-0, Zone2 11-0-0 to 16-7-5, Zone1 16-7-5 to 28-8-0, Zone2 28-8-0 to 34-3-5, Zone1 34-3-5 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) 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) 2, 10, 16.

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Date:

August 1,2025

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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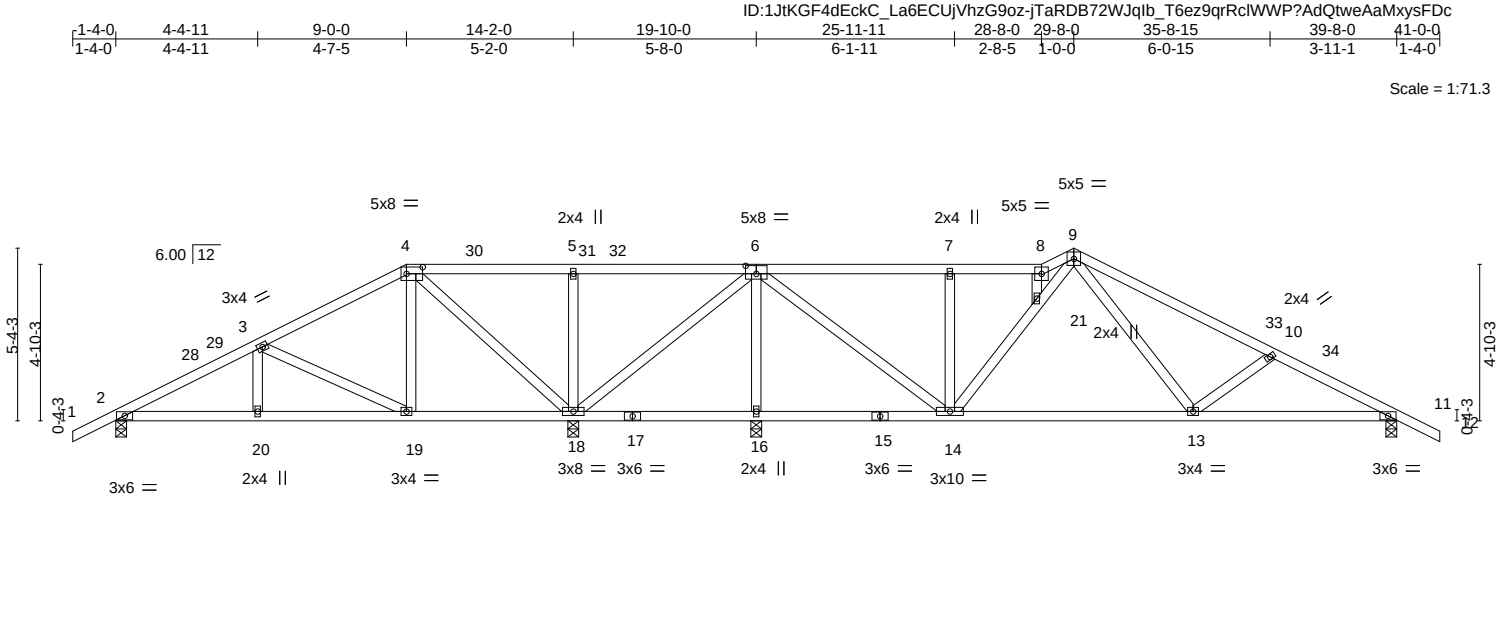
Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	A15	ROOF SPECIAL	1	1	T38097305
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:35 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-jTaRDB72WJqIb_T6ez9qrRclWWP?AdQtweAaMxysFDc



4-4-11 9-0-0 14-2-0 19-10-0 25-11-11 33-4-5 39-8-0
4-4-11 4-7-5 5-2-0 5-8-0 6-1-11 7-4-10 6-3-11

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

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	0.46	Vert(LL)	-0.07	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.16	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.02	13-14	>999	240	Weight: 216 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 5-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-18,14-16.

REACTIONS. All bearings 0-4-0.
(lb) - Max Horz 2=103(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 16, 11
Max Grav All reactions 250 lb or less at joint(s) except 2=482(LC 23), 18=982(LC 23), 16=1170(LC 1), 11=739(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-584/85, 4-5=0/528, 5-6=0/528, 6-7=-359/109, 7-8=-359/109, 8-9=-342/98, 9-10=-947/140, 10-11=-1174/188
BOT CHORD 2-20=-21/498, 19-20=-21/498, 16-18=-541/121, 14-16=-541/121, 13-14=0/515, 11-13=-131/1040
WEBS 3-19=-443/113, 4-19=0/334, 4-18=-786/97, 5-18=-341/127, 6-16=-1054/134, 6-14=-94/1130, 7-14=-333/89, 14-21=-276/65, 9-21=-279/66, 9-13=-10/457, 10-13=-347/164

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 2-7-10, Zone1 2-7-10 to 9-0-0, Zone2 9-0-0 to 14-7-5, Zone1 14-7-5 to 29-8-0, Zone2 29-8-0 to 35-3-5, Zone1 35-3-5 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) 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) 2, 18, 16, 11.

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Date:

August 1,2025

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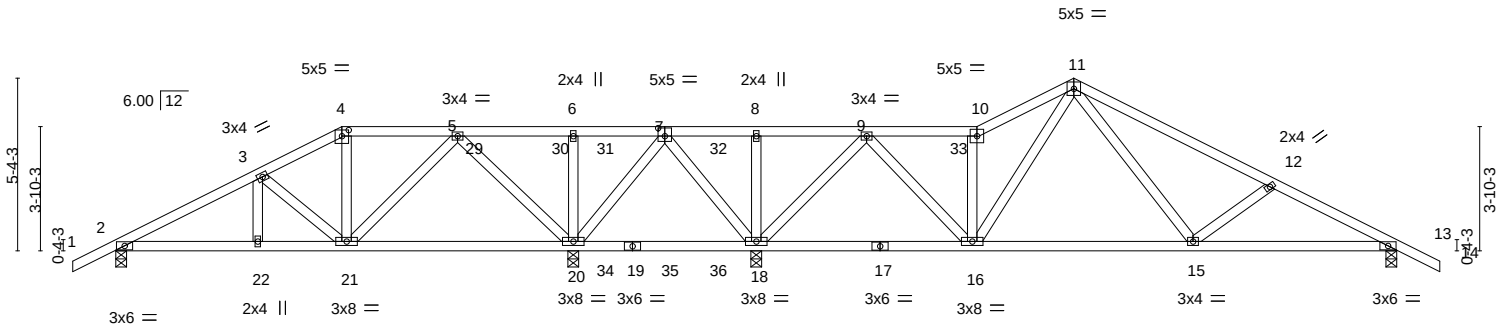
Job	Truss	Truss Type	Qty	Ply	1970-C-Frame T38097306
6251924	A16	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:35 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-jTaRDB72WJqIb_T6ez9qrRclvWOfAg4tweAaMxysFDc

1-4-0	4-4-12	7-0-0	10-7-0	14-2-0	17-0-0	19-10-0	23-3-0	26-8-0	29-8-0	35-8-14	39-8-0	41-0-0
1-4-0	4-4-12	2-7-4	3-7-0	3-7-0	2-10-0	2-10-0	3-5-0	3-5-0	3-0-0	6-0-14	3-11-3	1-4-0

Scale = 1:71.3



4-4-12	7-0-0	14-2-0	19-10-0	26-8-0	33-4-5	39-8-0
4-4-12	2-7-4	7-2-0	5-8-0	6-10-0	6-8-5	6-3-11

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

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	0.50	Vert(LL)	0.06	18-20	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.11	15-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 215 lb	FT = 20%

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

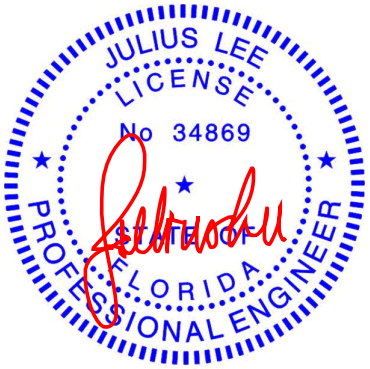
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 0-4-0.
(lb) - Max Horz 2=103(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 2, 13 except 20=-156(LC 8), 18=-185(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 2=527(LC 19), 20=1108(LC 19), 18=1620(LC 1), 13=730(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-662/52, 3-4=-404/59, 4-5=-322/61, 5-6=0/460, 6-7=0/460, 7-8=0/754, 8-9=0/754, 9-10=-465/63, 10-11=-563/95, 11-12=-923/68, 12-13=-1155/93
BOT CHORD 2-22=0/574, 21-22=0/574, 18-20=-550/146, 15-16=0/493, 13-15=-30/1024
WEBS 3-21=-296/50, 5-21=0/384, 5-20=-709/65, 6-20=-278/81, 7-18=-480/99, 8-18=-263/74, 9-18=-1041/83, 9-16=0/731, 10-16=-391/76, 11-15=0/440, 12-15=-356/112

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 2, 13 except (jt=lb) 20=156, 18=185.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 161 lb down and 84 lb up at 15-0-12, and 161 lb down and 84 lb up at 17-0-12, and 161 lb down and 84 lb up at 18-6-12 on top chord, and 89 lb down and 45 lb up at 15-0-12, and 89 lb down and 45 lb up at 17-0-12, and 89 lb down and 45 lb up at 18-6-12 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: 1-4=-60, 4-10=-60, 10-11=-60, 11-14=-60, 23-26=-20



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: August 1,2025

Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 7=-121(F) 31=-121(F) 32=-121(F) 34=-69(F) 35=-69(F) 36=-69(F)

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	B01	HIP GIRDER	1	2	T38097307
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:37 2025 Page 1
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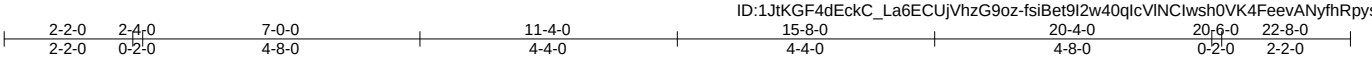

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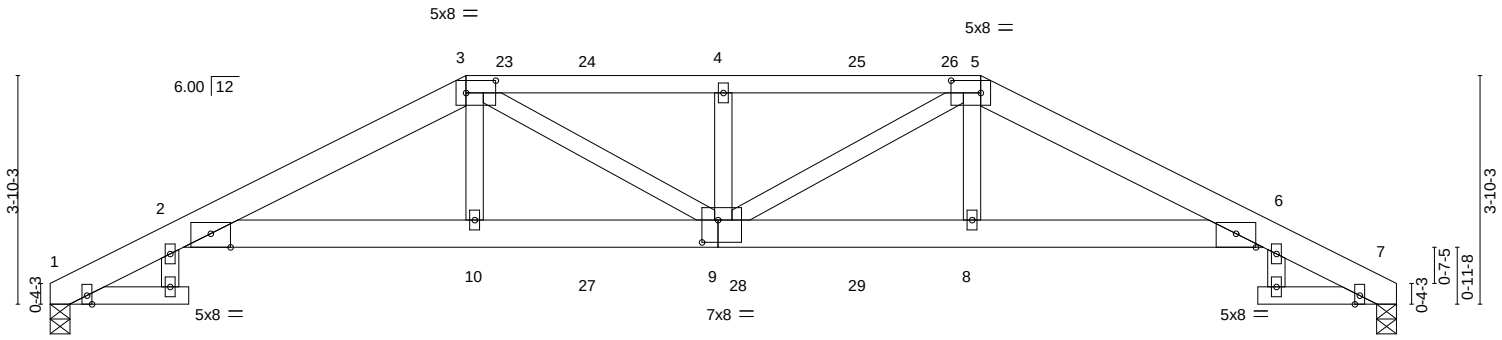


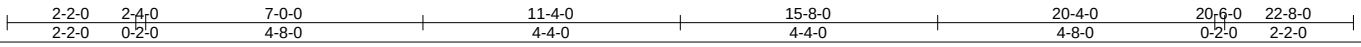


Plate Offsets (X,Y)-- [2:0-4-0,Edge], [3:0-6-0,0-2-8], [5:0-6-0,0-2-8], [6:0-4-0,Edge], [9:0-3-4,0-4-8]

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	0.82	Vert(LL)	-0.23	9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.46	9	>587	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.16	Horz(CT)	0.36	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.11	9	>999	240	Weight: 247 lb	FT = 20%

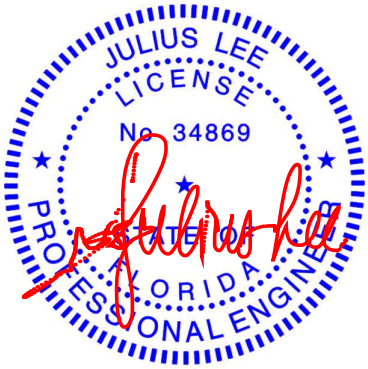
LUMBER-
TOP CHORD 2x6 SP DSS *Except*
3-5: 2x4 SP No.2
BOT CHORD 2x6 SP DSS *Except*
11-13,7-12: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 7=0-4-0
Max Horz 1=58(LC 7)
Max Grav 1=1979(LC 1), 7=1965(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-878/6, 2-3=-5373/0, 3-4=-5248/0, 4-5=-5267/0, 5-6=-5369/0, 6-7=-871/10
BOT CHORD 2-10=0/4861, 9-10=0/4946, 8-9=0/4940, 6-8=0/4856
WEBS 3-10=0/1457, 3-9=-95/456, 4-9=-555/166, 5-9=-84/481, 5-8=0/1452

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; 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) All plates are 2x4 MT20 unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 281 lb down and 162 lb up at 7-0-0, 109 lb down and 65 lb up at 9-0-12, 109 lb down and 65 lb up at 11-0-12, 109 lb down and 65 lb up at 11-7-4, and 109 lb down and 65 lb up at 13-7-4, and 281 lb down and 162 lb up at 15-8-0 on top chord, and 447 lb down at 7-0-0, 85 lb down at 9-0-12, 85 lb down at 11-0-12, 85 lb down at 11-7-4, and 85 lb down at 13-7-4, and 447 lb down at 15-7-4 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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 1,2025

LOAD CASE(S) Standard

Continued on page 2

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LOAD CASE(S) Standard

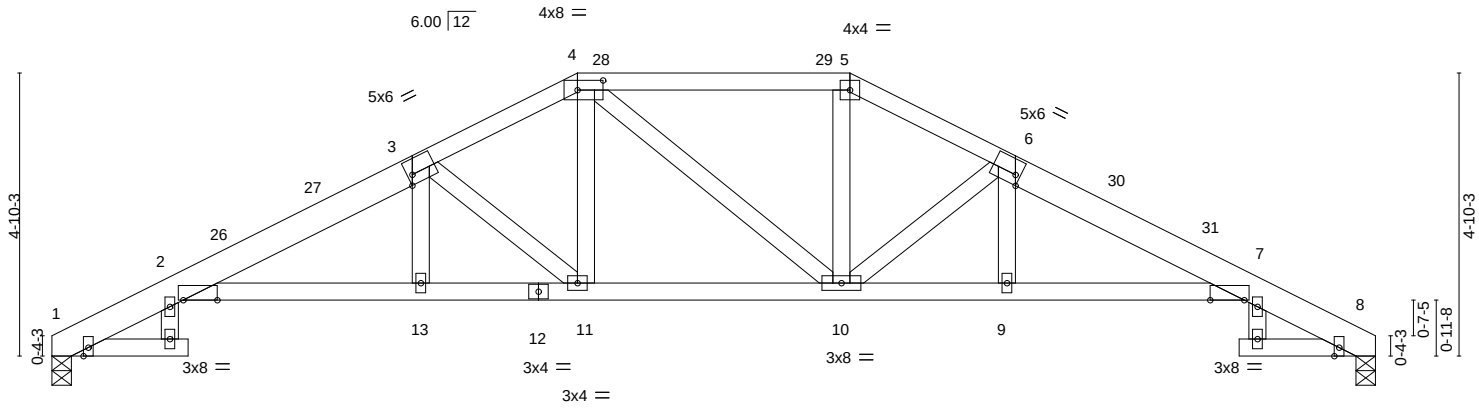
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-18=-82, 3-18=-60, 3-5=-60, 5-6=-60, 6-7=-82, 17-20=-20
   Concentrated Loads (lb)
   Vert: 3=-234(B) 5=-234(B) 10=-447(B) 9=-83(B) 4=-216(B) 8=-447(B) 24=-108(B) 25=-108(B) 27=-83(B) 28=-83(B) 29=-83(B)

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame T38097308
6251924	B02	Hip	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:37 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-fsiBet9I2w40qIcVlNCIwsh3aK4_eenANyfhRpysFDa

2-2-0	2-4-0	6-3-13	9-0-0	13-8-0	16-4-4	20-4-0	20-6-0	22-8-0
2-2-0	0-2-0	3-11-13	2-8-3	4-8-0	2-8-4	3-11-12	0-2-0	2-2-0

Scale = 1:39.5



2-2-0	2-4-0	6-3-13	9-0-0	13-8-0	16-4-4	20-4-0	20-6-0	22-8-0
2-2-0	0-2-0	3-11-13	2-8-3	4-8-0	2-8-4	3-11-12	0-2-0	2-2-0

Plate Offsets (X,Y)-- [2:0-7-0,Edge], [3:Edge,0-2-0], [4:0-5-4,0-2-0], [6:Edge,0-2-0], [7:0-7-0,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	0.62	Vert(LL)	-0.19	13-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.39	13-22	>684	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.32	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.11	13-22	>999	240	Weight: 118 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-3,6-8: 2x6 SP DSS
BOT CHORD 2x4 SP No.2 *Except*
2-12,7-12: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-

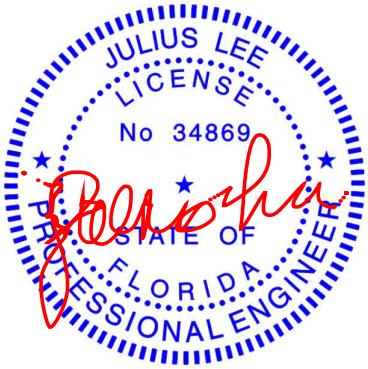
TOP CHORD Structural wood sheathing directly applied or 4-4-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 8=0-4-0
Max Horz 1=-74(LC 10)
Max Uplift 1=-29(LC 12), 8=-35(LC 12)
Max Grav 1=910(LC 1), 8=900(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-399/55, 2-3=-2061/190, 3-4=-1542/170, 4-5=-1348/167, 5-6=-1541/170, 6-7=-2055/193, 7-8=-395/55
BOT CHORD 2-13=-120/1925, 11-13=-119/1940, 10-11=-48/1348, 9-10=-119/1933, 7-9=-121/1918
WEBS 3-11=-756/88, 4-11=-4/480, 5-10=-1/478, 6-10=-746/93

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 0-2-0 to 3-2-0, Zone1 3-2-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 13-8-0, Zone2 13-8-0 to 17-10-15, Zone1 17-10-15 to 22-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 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) Bearing at joint(s) 1, 8 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) 1, 8.



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

August 1,2025

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	B03	Hip	1	1	T38097309
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:38 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-82GarD9wpECtSSBhJ5jXT4EEKjRQN?1JccOFzGysFDZ

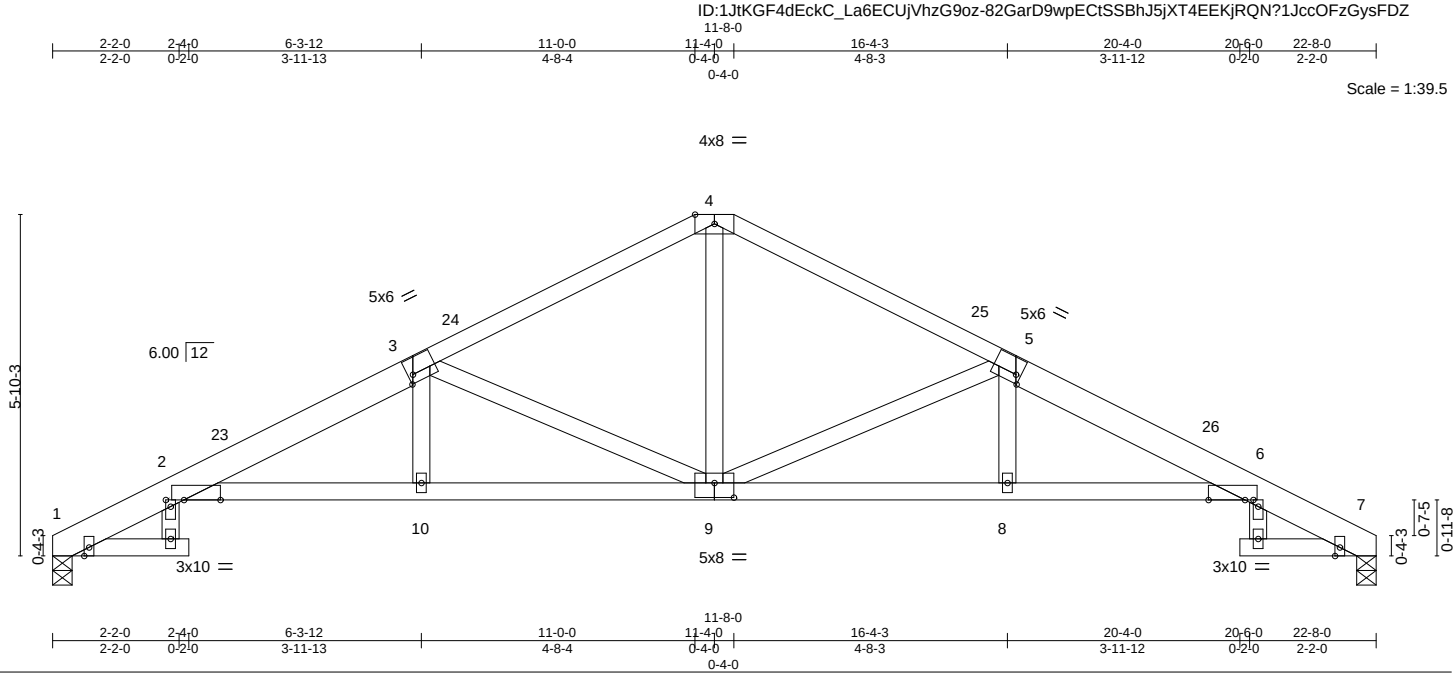


Plate Offsets (X,Y)-- [2:0-7-8,Edge], [3:0-1-0,0-1-12], [5:0-1-0,0-1-12], [6:0-7-8,Edge], [9:0-4-0,0-3-0], [14:0-1-6,0-1-0], [16:0-1-6,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.19	8-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.40	10-19	>676	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.33	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.11	8-22	>999	240	Weight: 113 lb	FT = 20%

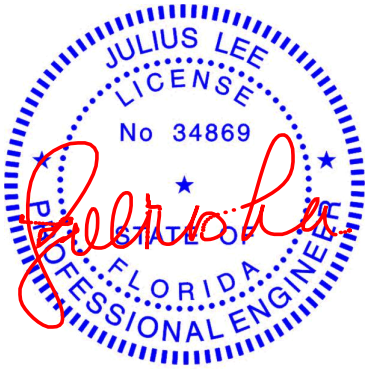
LUMBER-
TOP CHORD 2x6 SP DSS *Except*
3-4,4-5: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-9,6-9: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 7=0-4-0
Max Horz 1=-92(LC 10)
Max Uplift 1=-29(LC 12), 7=-35(LC 12)
Max Grav 1=910(LC 1), 7=900(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-400/51, 2-3=-2083/162, 3-4=-1290/131, 4-5=-1289/132, 5-6=-2076/165, 6-7=-395/52
BOT CHORD 2-10=-101/1954, 9-10=-97/1968, 8-9=-98/1960, 6-8=-101/1946
WEBS 3-10=0/274, 3-9=-953/114, 5-9=-945/118, 5-8=0/272, 4-9=-19/801

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 0-2-0 to 3-2-0, Zone1 3-2-0 to 11-4-0, Zone2 11-4-0 to 15-6-15, Zone1 15-6-15 to 22-6-0 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 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, 7 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, 7.



Julius Lee PE No. 34869
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Date:

August 1,2025

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Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	B04	COMMON	3	1	T38097310
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:39 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-cFqy3ZAYaYKk3cmutoEm0HmSH7ml6UoTrG8oViysFDY

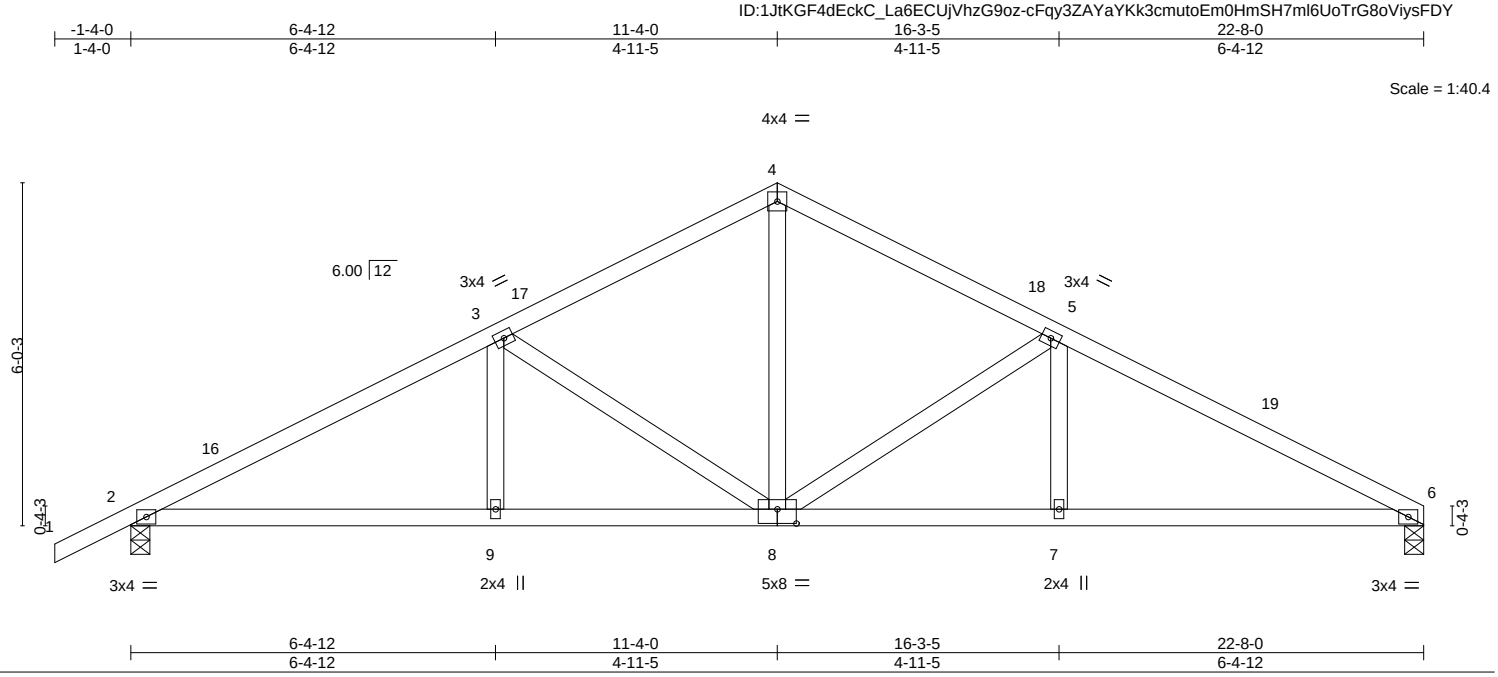


Plate Offsets (X,Y)-- [8:0-4-0,0-3-0]

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	0.41	Vert(LL)	-0.06	7-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.15	7-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.04	7-12	>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 4-1-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-4-0, 2=0-4-0
Max Horz 2=102(LC 11)
Max Uplift 6=-38(LC 12), 2=-78(LC 12)
Max Grav 6=904(LC 1), 2=989(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1584/173, 3-4=-1094/168, 4-5=-1094/178, 5-6=-1579/189
BOT CHORD 2-9=-101/1355, 8-9=-101/1355, 7-8=-99/1367, 6-7=-99/1367
WEBS 4-8=-55/667, 5-8=-556/110, 5-7=0/250, 3-8=-542/107

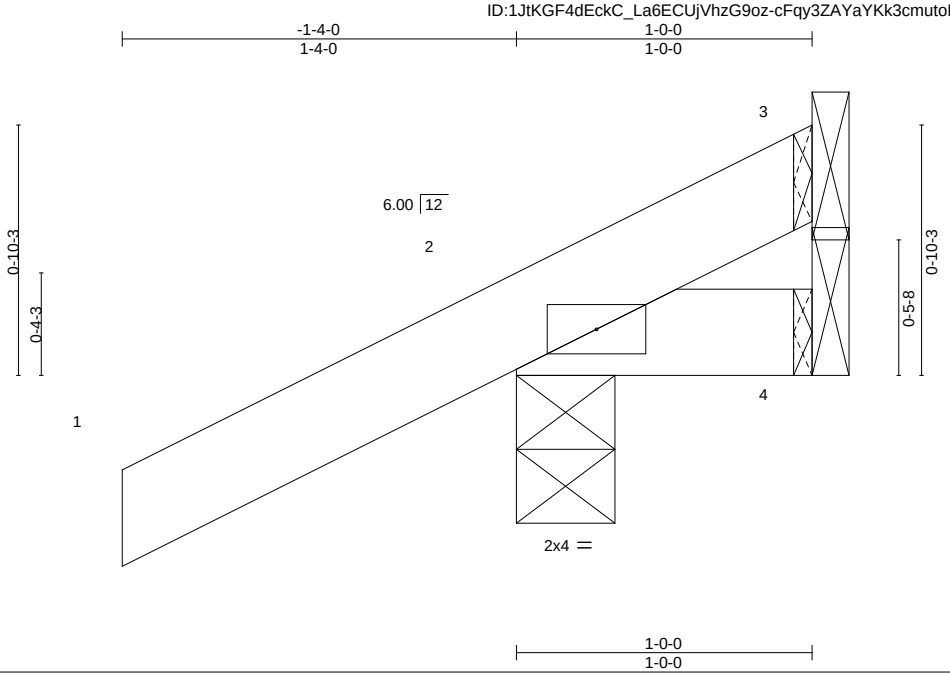
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-4-0, Zone2 11-4-0 to 15-6-15, Zone1 15-6-15 to 22-8-0 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) 6, 2.

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

August 1,2025

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame T38097311
6251924	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. Fri Aug 1 10:15:39 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-cFqy3ZAYaYKk3cmutoEm0HmXv7uE6ZyTrG8oViysFDY



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	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	0.00	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP		Wind(LL)	-0.00	7	>999	240	Weight: 6 lb	FT = 20%

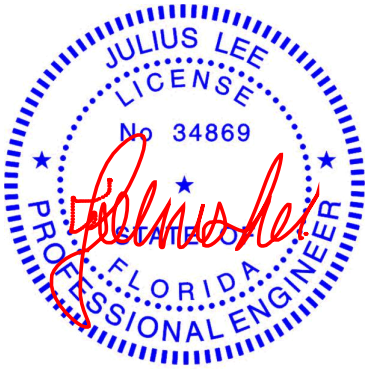
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=-1(LC 1), 2=-68(LC 12), 4=-14(LC 1)
Max Grav 3=8(LC 12), 2=174(LC 1), 4=19(LC 12)

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

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



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Date:

August 1,2025

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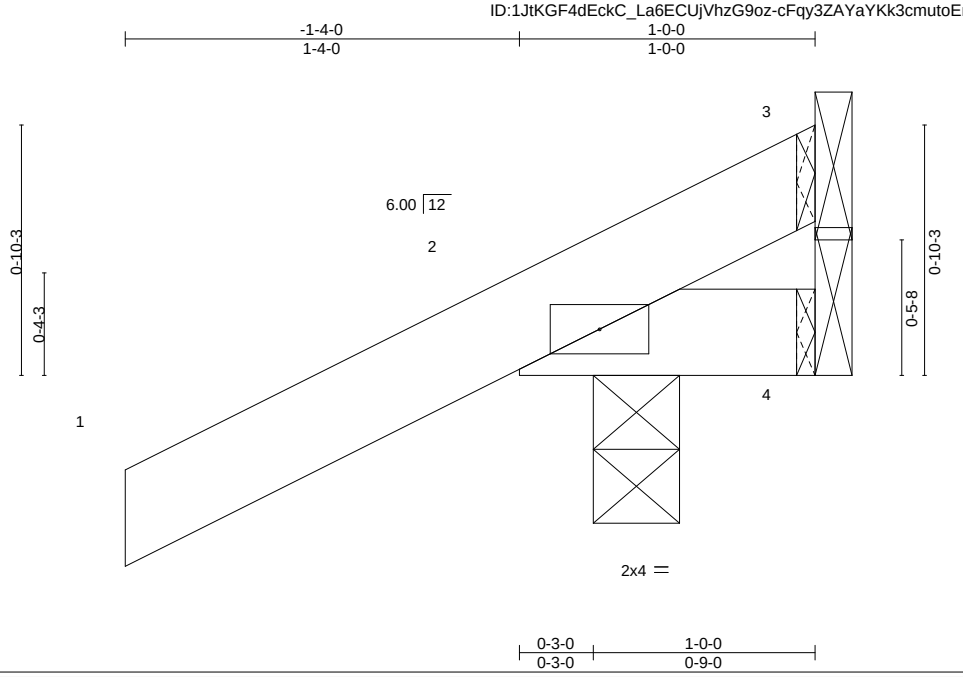
Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	C1C	CORNER JACK	4	1	T38097312
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:39 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-cFqy3ZAYaYKk3cmutoEm0HmXv7uE6ZyTrG8oViysFDY



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	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	0.00	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP		Wind(LL)	-0.00	7	>999	240	Weight: 6 lb	FT = 20%

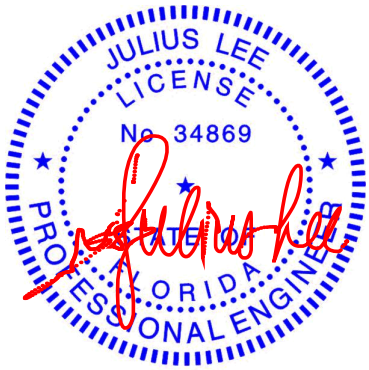
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=-1(LC 1), 4=-14(LC 1), 2=-68(LC 12)
Max Grav 3=8(LC 12), 4=19(LC 12), 2=174(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 and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4, 2.



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Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	C3C	CORNER JACK	4	1	T38097313
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:40 2025 Page 1
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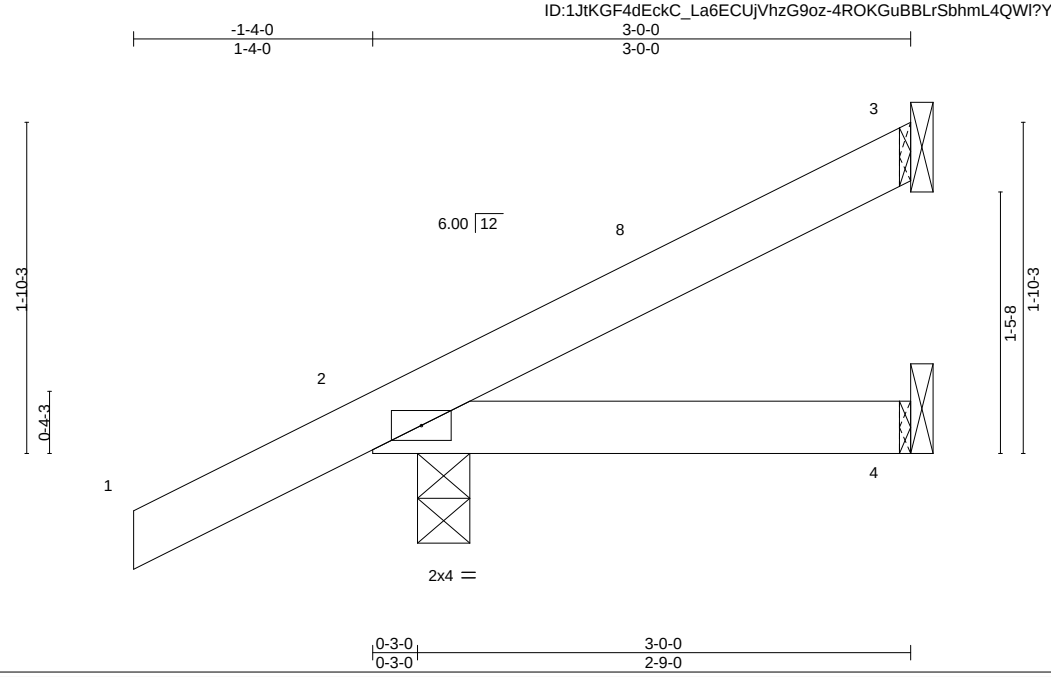


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP		Wind(LL)	0.00	7	>999	240	Weight: 12 lb	FT = 20%

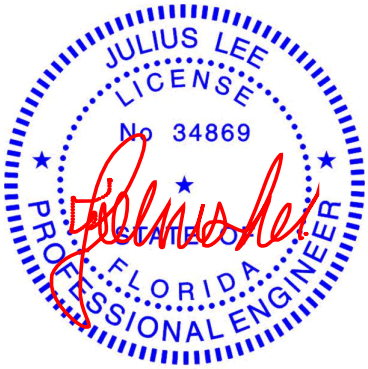
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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, 2=0-3-8, 4=Mechanical
Max Horz 2=59(LC 12)
Max Uplift 3=-17(LC 12), 2=-44(LC 12)
Max Grav 3=67(LC 1), 2=216(LC 1), 4=51(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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Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	C3T	CORNER JACK	4	1	T38097314
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:40 2025 Page 1
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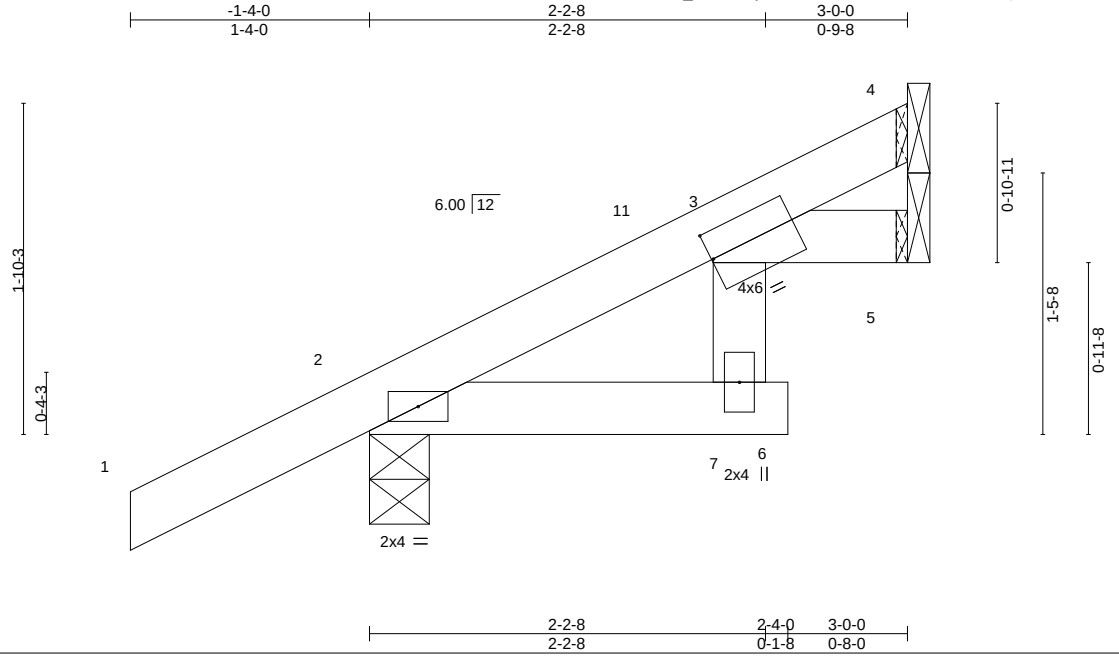


Plate Offsets (X,Y)-- [3:0-0-2,0-1-13]

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	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MR		Wind(LL)	0.00	7	>999	240	Weight: 13 lb	FT = 20%

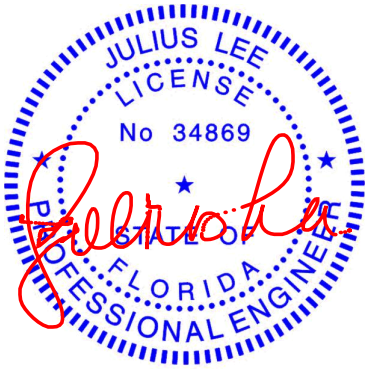
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=59(LC 12)
Max Uplift 4=-6(LC 12), 2=-44(LC 12)
Max Grav 4=55(LC 1), 2=217(LC 1), 5=49(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) 4, 2.



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Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	C5C	CORNER JACK	4	1	T38097315
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:41 2025 Page 1
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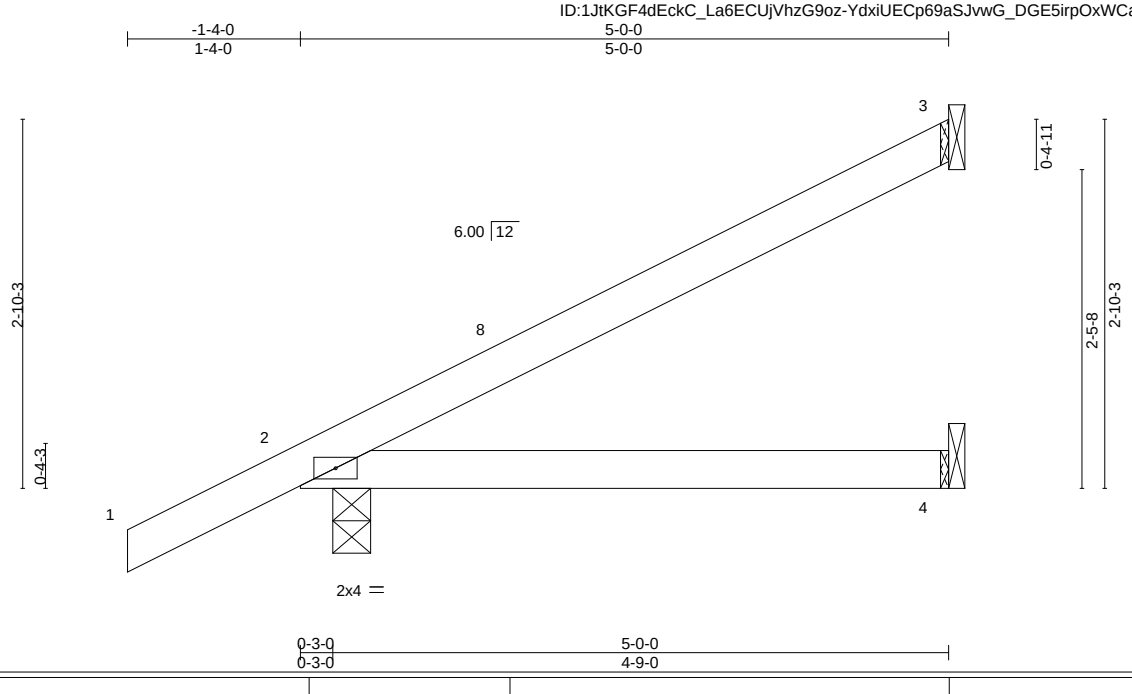


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.02	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.06	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP		Wind(LL)	0.03	4-7	>999	240	Weight: 18 lb	FT = 20%

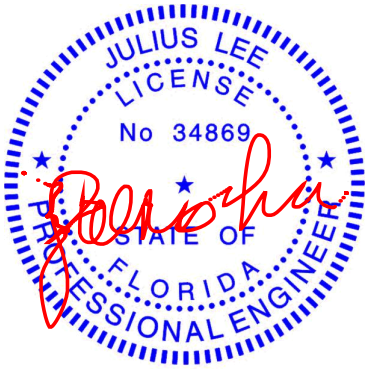
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=0-3-8, 4=Mechanical
Max Horz 2=83(LC 12)
Max Uplift 3=-37(LC 12), 2=-37(LC 12)
Max Grav 3=125(LC 1), 2=288(LC 1), 4=90(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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Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	C5T	CORNER JACK	4	1	T38097316
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:41 2025 Page 1
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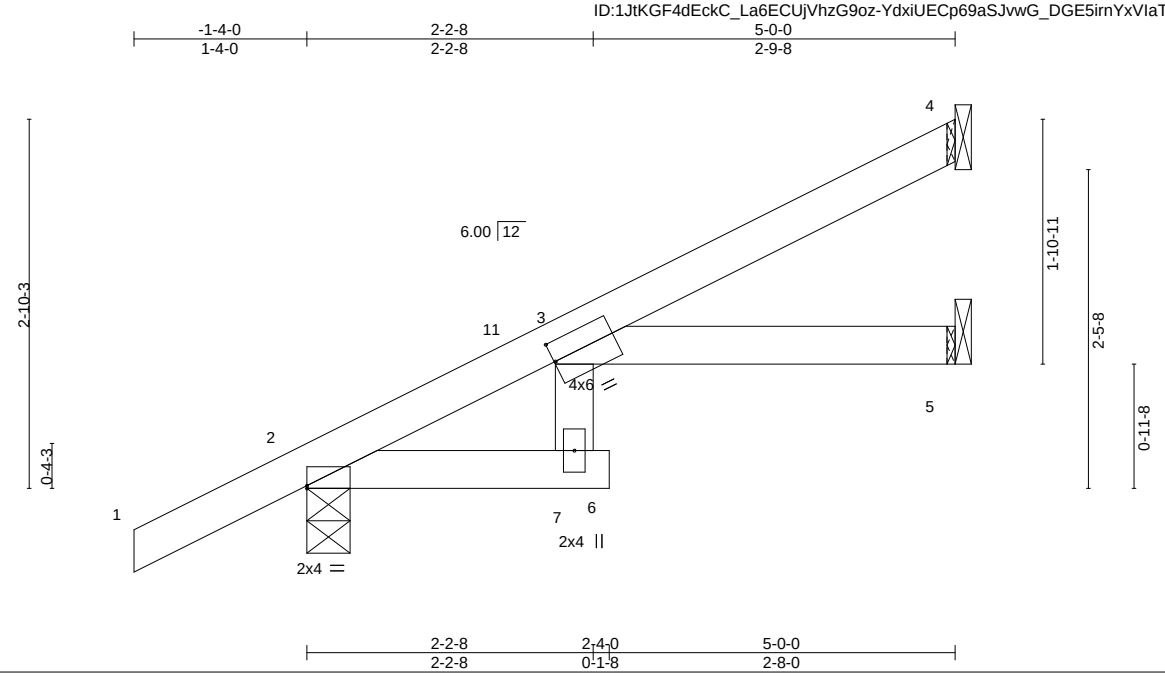

Plate Offsets (X,Y)-- [2:0-0-0,0-0-4], [3:0-0-2,0-1-13]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.04	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.08	6	>699	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MR		Wind(LL)	0.05	6	>999	240	Weight: 20 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 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=83(LC 12)
Max Uplift 4=-26(LC 12), 2=-36(LC 12)
Max Grav 4=113(LC 1), 2=291(LC 1), 5=87(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) 4, 2.

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Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	E01	MONOPITCH	4	1	T38097317
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:42 2025 Page 1
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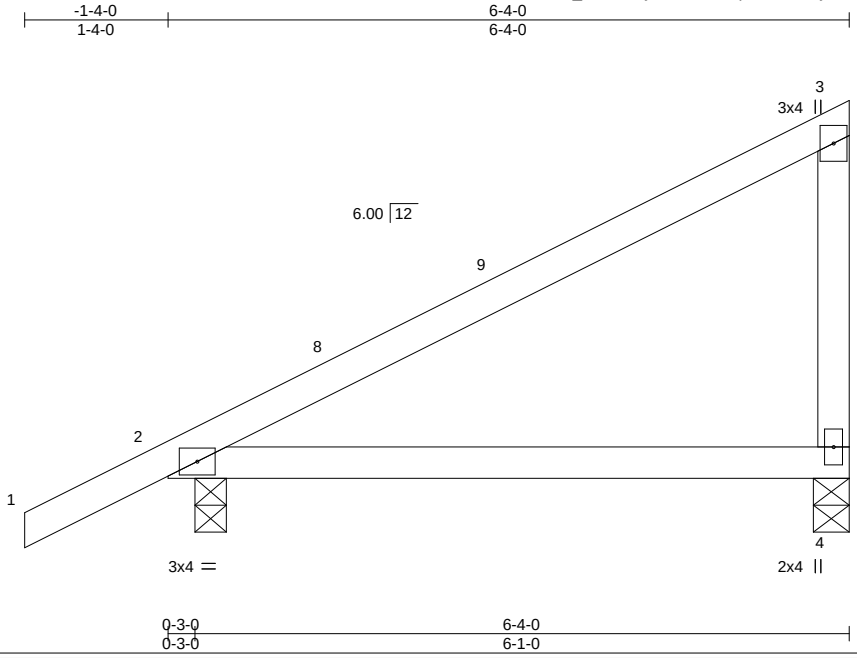


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.04	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.11	4-7	>694	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.05	4-7	>999	240	Weight: 27 lb	FT = 20%

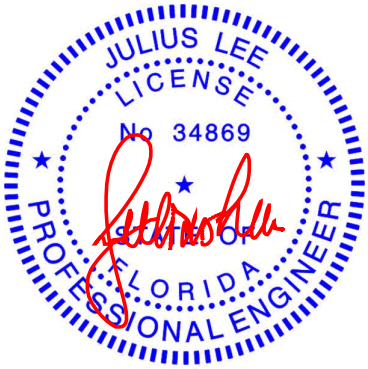
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 4=0-4-0, 2=0-3-8
Max Horz 2=98(LC 12)
Max Uplift 4=-25(LC 12), 2=-35(LC 12)
Max Grav 4=239(LC 1), 2=336(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 -1-4-0 to 1-8-0, Zone1 1-8-0 to 6-2-4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



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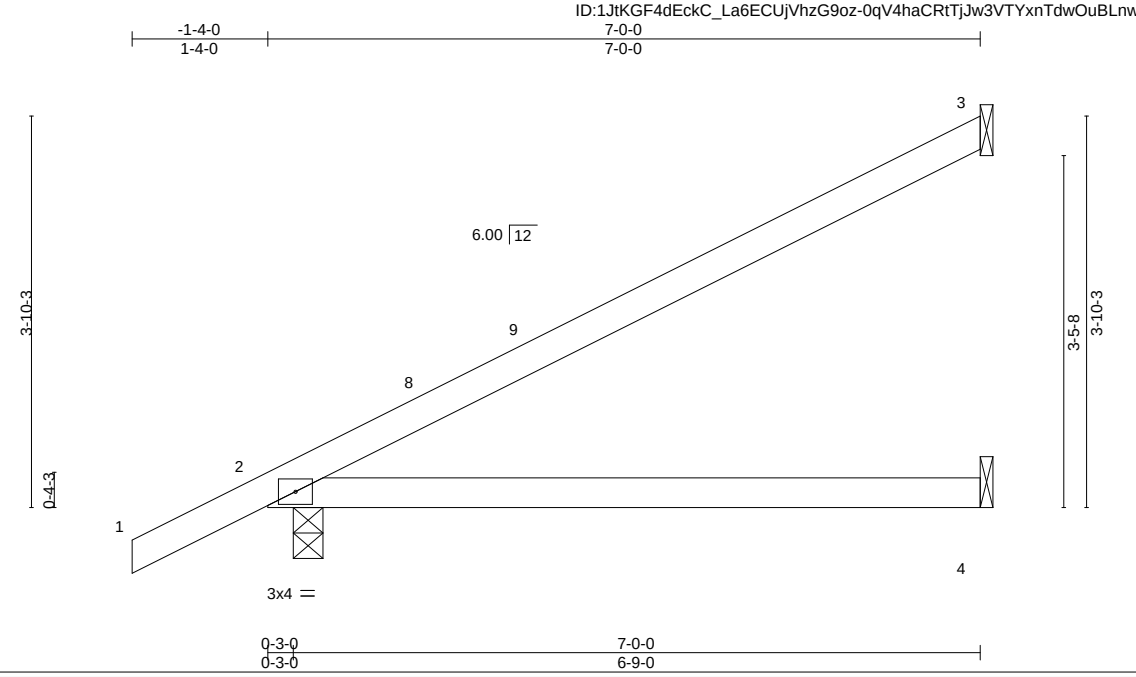
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	E7C	JACK-OPEN	8	1	T38097318
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:42 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-0qV4haCRtTjJw3VTYxnTdwOuBLnwJwivXEMS61ysFDV



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)	-0.09	4-7	>886	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.23	4-7	>361	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.17	4-7	>479	240	Weight: 24 lb	FT = 20%

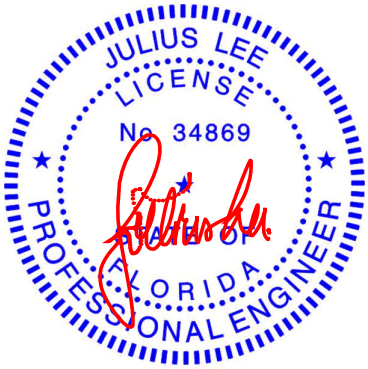
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=0-3-8, 4=Mechanical
Max Horz 2=107(LC 12)
Max Uplift 3=-63(LC 12), 2=-93(LC 12), 4=-25(LC 12)
Max Grav 3=181(LC 1), 2=365(LC 1), 4=129(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 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, 2, 4.



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Date:

August 1,2025

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Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	E7T	JACK-OPEN	6	1	T38097319
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:42 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-0qV4haCRtTjJw3VTYxnTdwOt9Ll5JwivXEMS61ysFDV

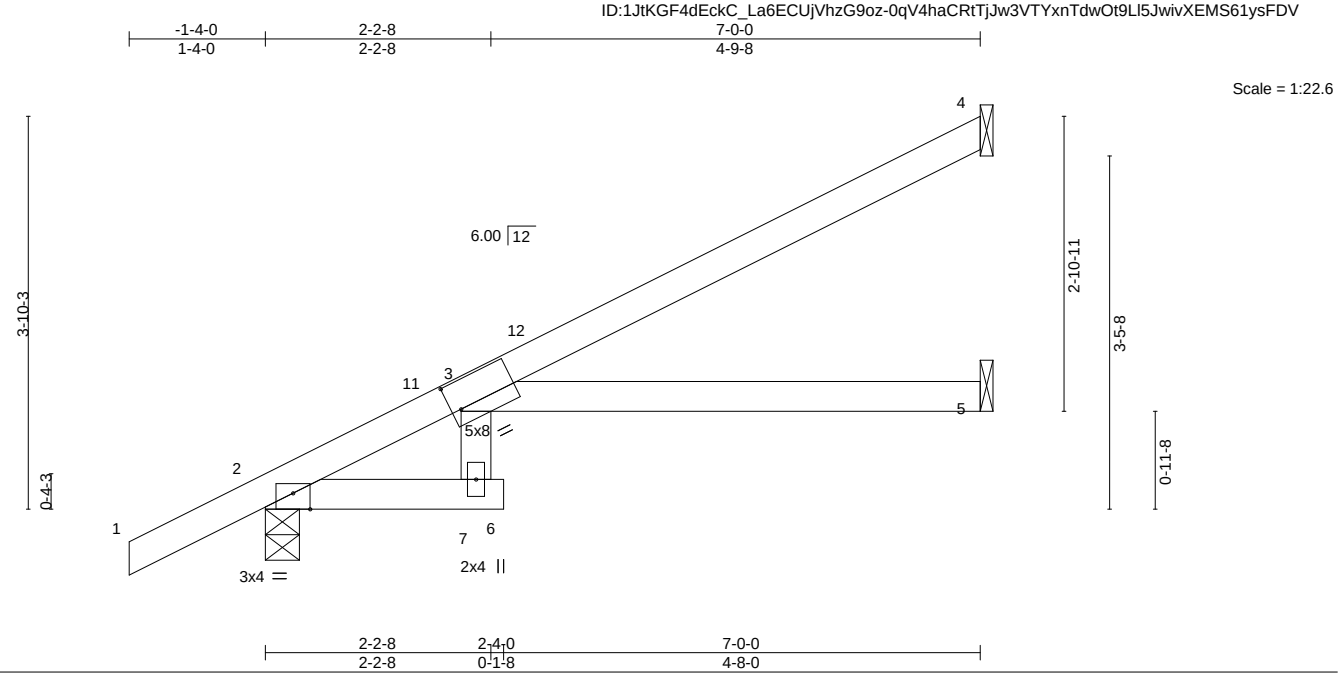


Plate Offsets (X,Y)-- [2:0-2-0,Edge], [3:0-1-2,0-3-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.14	3-5	>604	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.29	3-5	>286	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.14	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MR		Wind(LL)	0.14	3-5	>587	240	Weight: 26 lb	FT = 20%

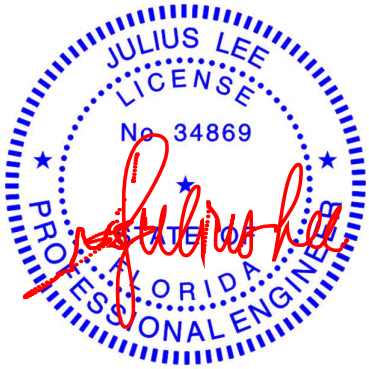
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=107(LC 12)
Max Uplift 4=-44(LC 12), 2=-31(LC 12)
Max Grav 4=168(LC 1), 2=368(LC 1), 5=125(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) 4, 2.



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Date:

August 1,2025

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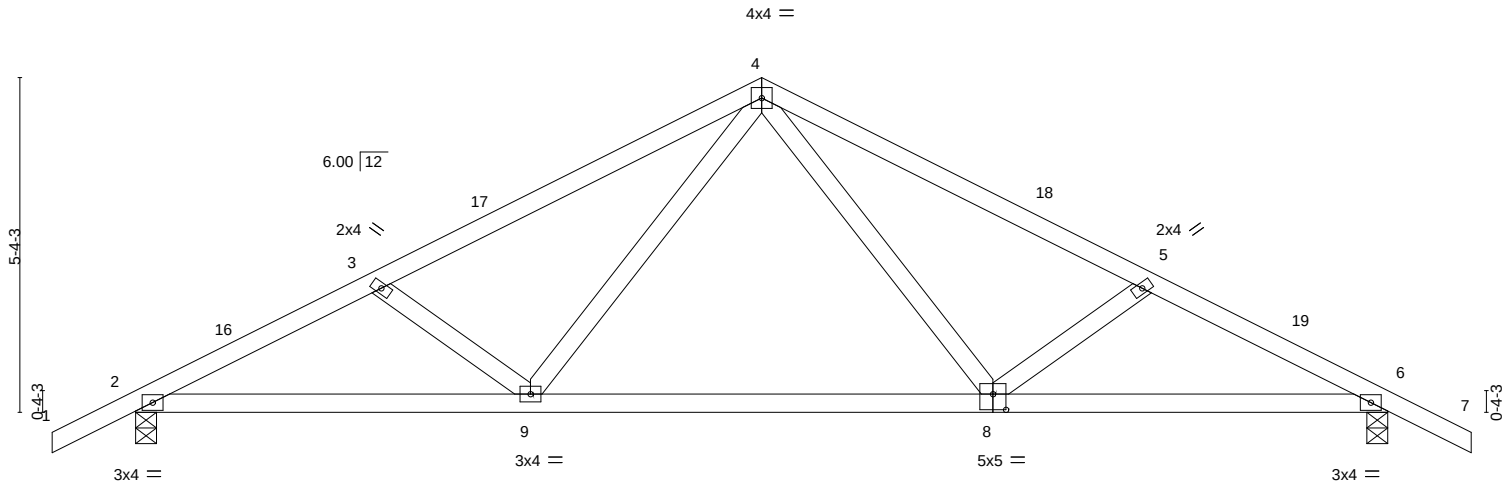
Job	Truss	Truss Type	Qty	Ply	1970-C-Frame T38097320
6251924	G01	COMMON	2	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:43 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-U03TuwD3emrAYD4f6eJiA7x6Kk7T2MN2mu60eTysFDU

-1-4-0 | 3-11-1 | 10-0-0 | 16-0-15 | 20-0-0 | 21-4-0
1-4-0 | 3-11-1 | 6-0-15 | 6-0-15 | 3-11-1 | 1-4-0

Scale = 1:36.8



6-3-11 | 13-8-5 | 20-0-0
6-3-11 | 7-4-10 | 6-3-11

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.07	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.17	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.03	8-9	>999	240	Weight: 95 lb	FT = 20%

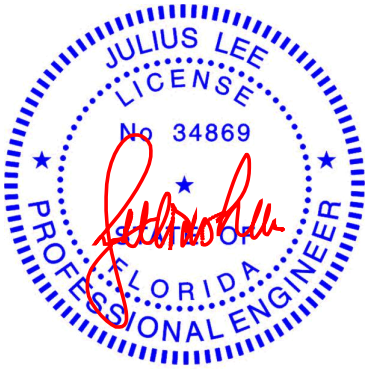
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-8 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=-93(LC 10)
Max Uplift 2=-72(LC 12), 6=-72(LC 12)
Max Grav 2=880(LC 1), 6=880(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1480/207, 3-4=-1255/162, 4-5=-1255/162, 5-6=-1480/207
BOT CHORD 2-9=-127/1312, 8-9=-13/794, 6-8=-143/1312
WEBS 4-8=-9/449, 5-8=-353/157, 4-9=-9/449, 3-9=-353/157

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 10-0-0, Zone2 10-0-0 to 14-2-15, Zone1 14-2-15 to 21-4-0 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) 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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 1,2025

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	G01X	COMMON SUPPORTED GAB	1	1	T38097321
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:44 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-yCdr6GEhP4z1ANfrfMqxjLTM28a7nqLC_YrZAvysFDT

-1-4-0 1-4-0 | 1-9-7 1-9-7 | 1-11-1 0-1-9 | 10-0-0 8-0-15 | 18-0-15 8-0-15 | 18-2-9 0-1-9 | 20-0-0 1-9-7 | 21-4-0 1-4-0

Scale = 1:36.3

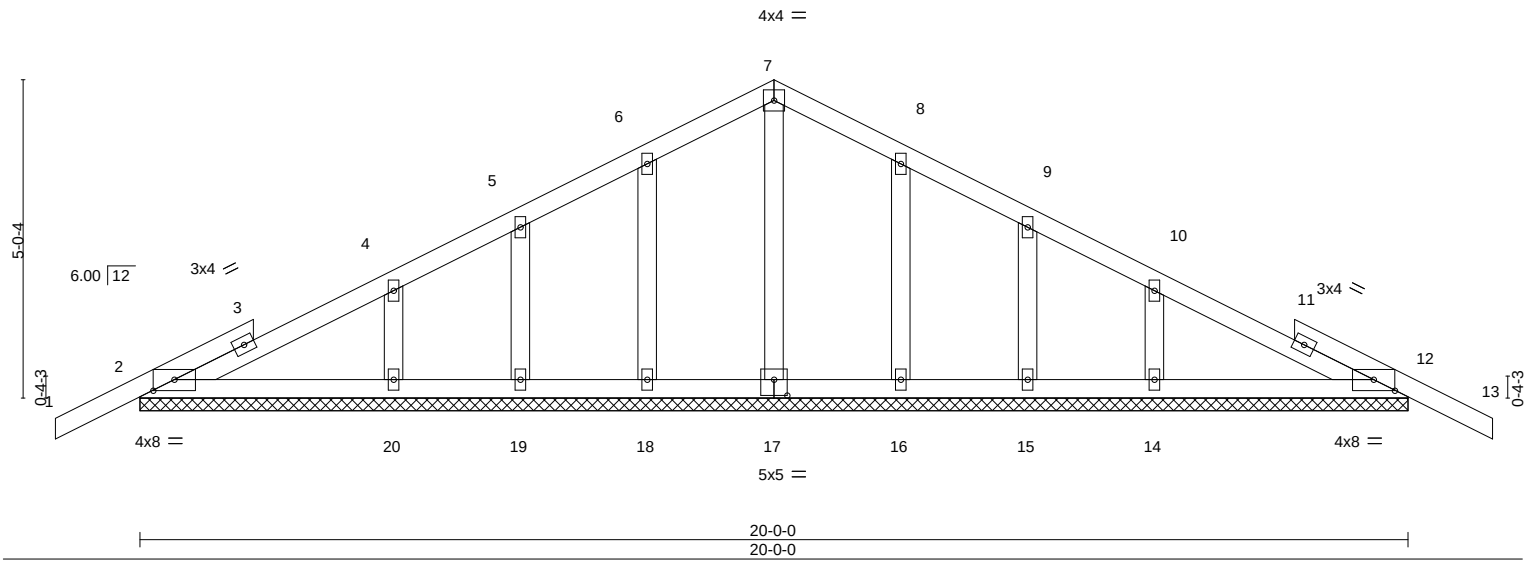


Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [12:0-4-0,0-2-1], [17:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	0.00	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 101 lb	FT = 20%

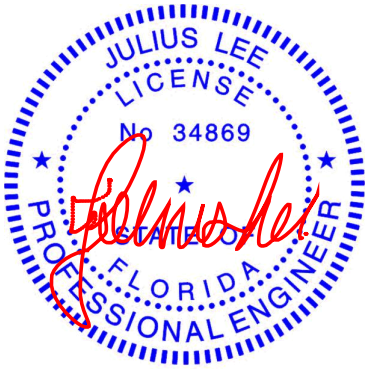
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 20-0-0.
(lb) - Max Horz 2=88(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 18, 19, 20, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 18, 19, 16, 15 except 20=287(LC 23), 14=287(LC 24)

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, 18, 19, 20, 16, 15, 14.



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Date:

August 1,2025

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Job	Truss	Truss Type	Qty	Ply	1970-C-Frame T38097322
6251924	G02	COMMON	4	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:44 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-yCdr6GEhP4z1ANfrfMqxjLTH38TdnpbC_YrZAvysFDT

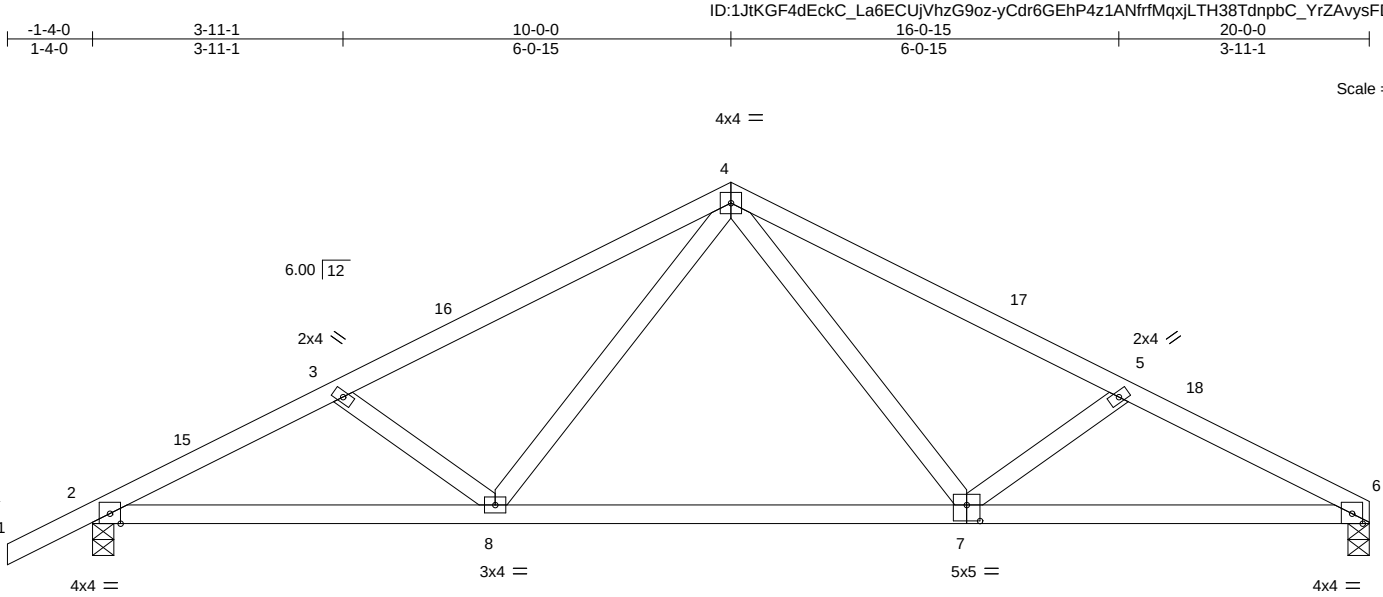


Plate Offsets (X,Y)-- [7:0-2-8,0-3-0]

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	0.48	Vert(LL)	-0.07	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.17	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.03	7-8	>999	240	Weight: 92 lb	FT = 20%

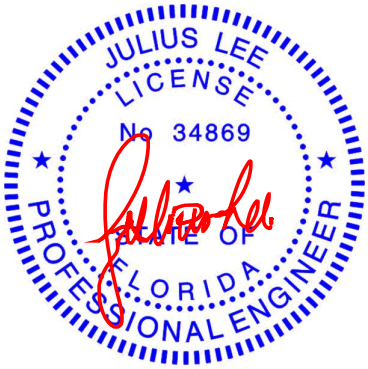
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 6=0-4-0, 2=0-4-0
Max Horz 2=91(LC 11)
Max Uplift 6=-33(LC 12), 2=-74(LC 12)
Max Grav 6=797(LC 1), 2=883(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1486/218, 3-4=-1260/173, 4-5=-1271/189, 5-6=-1501/233
BOT CHORD 2-8=-165/1317, 7-8=-36/800, 6-7=-167/1335
WEBS 4-7=-15/454, 5-7=-364/160, 4-8=-8/449, 3-8=-353/157

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 10-0-0, Zone2 10-0-0 to 14-2-15, Zone1 14-2-15 to 20-0-0 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) 6, 2.



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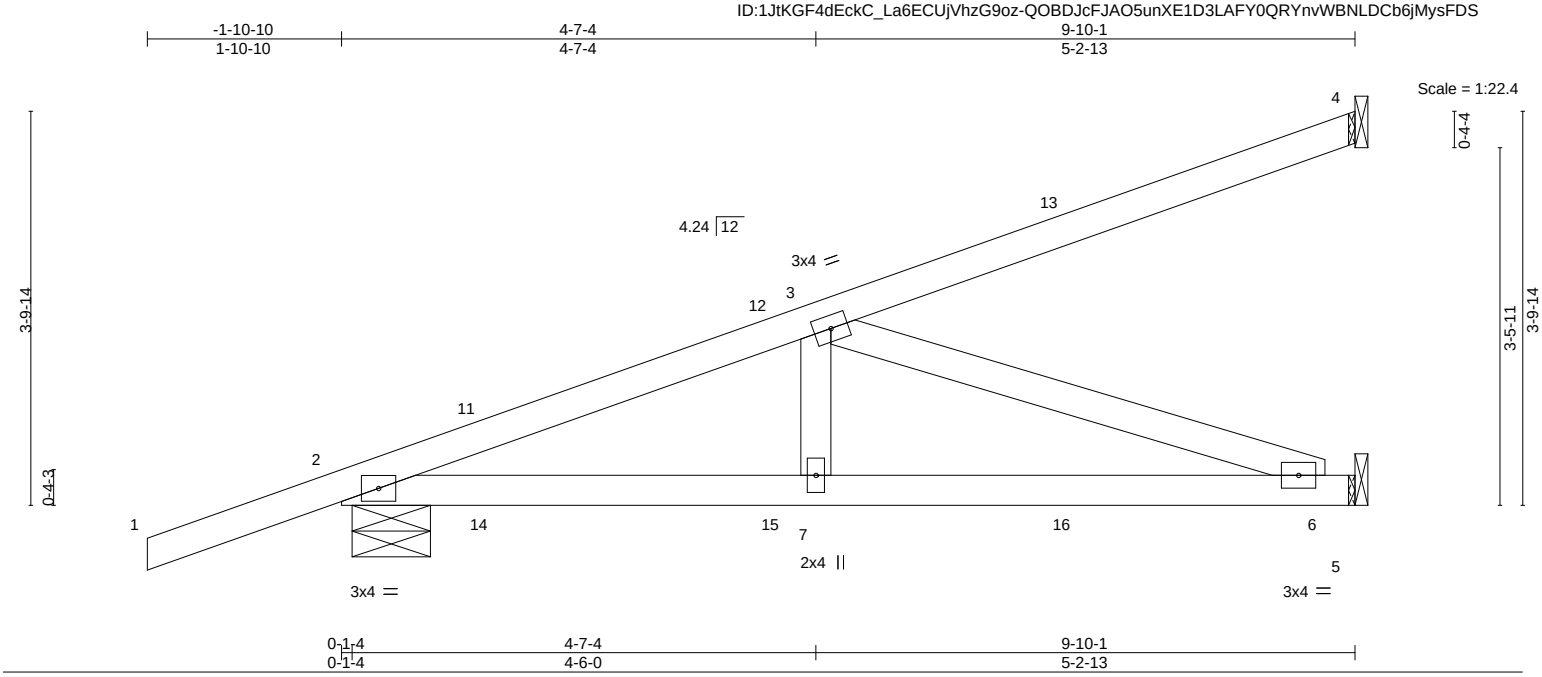
Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	H7C	DIAGONAL HIP GIRDER	1	1	T38097323
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:45 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-QOBDJcFJAO5unXE1D3LAFY0QRYnvWBNLDCb6jMysFDS



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.05	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.12	6-7	>955	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		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

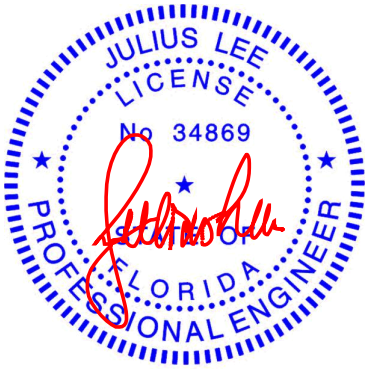
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-9-2, 5=Mechanical
Max Horz 2=107(LC 8)
Max Uplift 4=-104(LC 8), 2=-17(LC 8), 5=-5(LC 8)
Max Grav 4=304(LC 1), 2=467(LC 31), 5=416(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-798/0
BOT CHORD 2-7=-13/749, 6-7=-13/749
WEBS 3-7=0/297, 3-6=-791/13

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) 2, 5 except (jt=lb) 4=104.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 45 lb down and 59 lb up at 1-4-15, 45 lb down and 59 lb up at 1-4-15, 59 lb down and 34 lb up at 4-2-15, 59 lb down and 34 lb up at 4-2-15, 89 lb down and 62 lb up at 7-0-14, and 89 lb down and 62 lb up at 7-0-14, and 141 lb down and 79 lb up at 9-9-5 on top chord, and 20 lb down and 14 lb up at 1-4-15, 20 lb down and 14 lb up at 1-4-15, 14 lb down at 4-2-15, 14 lb down at 4-2-15, 35 lb down at 7-0-14, and 35 lb down at 7-0-14, and 102 lb down and 39 lb up at 9-9-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 4=-141(F) 6=-75(F) 11=117(F=58, B=58) 13=-81(F=-40, B=-40) 15=-10(F=-5, B=-5) 16=-66(F=-33, B=-33)



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

August 1,2025

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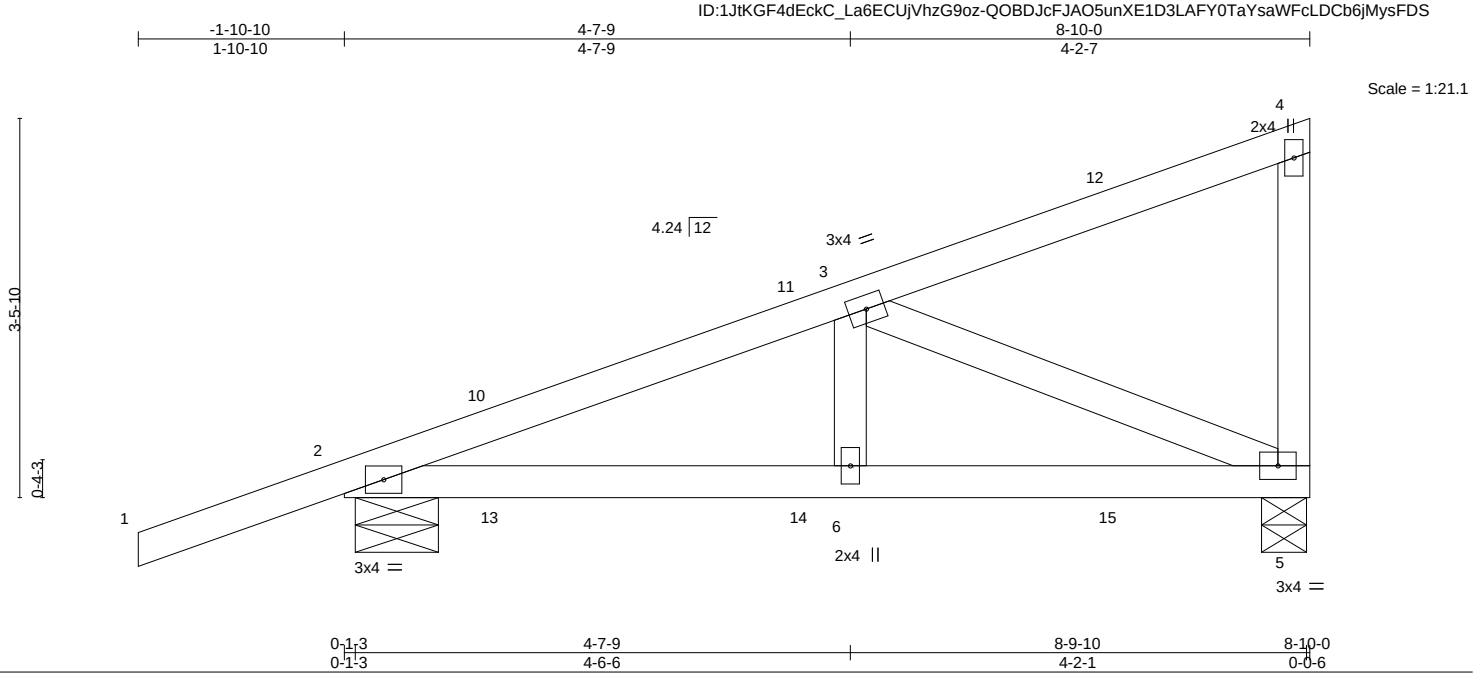
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	H7E	ROOF SPECIAL GIRDER	1	1	T38097324
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:45 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-QOBDJcFJAO5unXE1D3LAFY0TaYsaWFcLDCb6jMysFDS



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)	-0.01	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.03	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.18	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	-0.02	6-9	>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

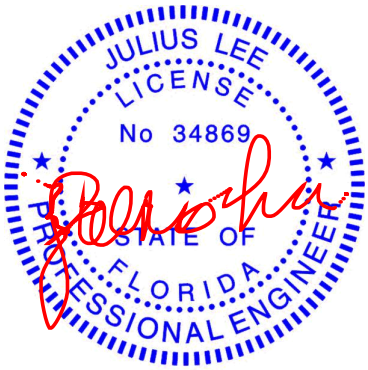
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-9-2, 5=0-4-15
Max Horz 2=98(LC 35)
Max Uplift 2=-17(LC 8), 5=-20(LC 8)
Max Grav 2=416(LC 39), 5=441(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-589/0
BOT CHORD 2-6=0/536, 5-6=0/536
WEBS 3-5=-556/0

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever 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) 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, 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 45 lb down and 59 lb up at 1-4-15, 45 lb down and 59 lb up at 1-4-15, 59 lb down and 34 lb up at 4-2-15, 59 lb down and 34 lb up at 4-2-15, and 97 lb down and 62 lb up at 7-0-14, and 97 lb down and 62 lb up at 7-0-14 on top chord, and 20 lb down and 14 lb up at 1-4-15, 20 lb down and 14 lb up at 1-4-15, 14 lb down at 4-2-15, 14 lb down at 4-2-15, and 35 lb down at 7-0-14, and 35 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-7=-20
Concentrated Loads (lb)
Vert: 10=117(F=58, B=58) 12=-81(F=-40, B=-40) 14=-10(F=-5, B=-5) 15=-66(F=-33, B=-33)



Julius Lee PE No. 34869
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Date:

August 1,2025

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Job	Truss	Truss Type	Qty	Ply	1970-C-Frame
6251924	H7T	DIAGONAL HIP GIRDER	2	1	T38097325
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Jul 24 2025 MiTek Industries, Inc. Fri Aug 1 10:15:46 2025 Page 1
ID:1JtKGF4dEckC_La6ECUjVhzG9oz-vblbXyGxxhDkPhoEnmsPomZXly5eFh?VSsKgFoysFDR

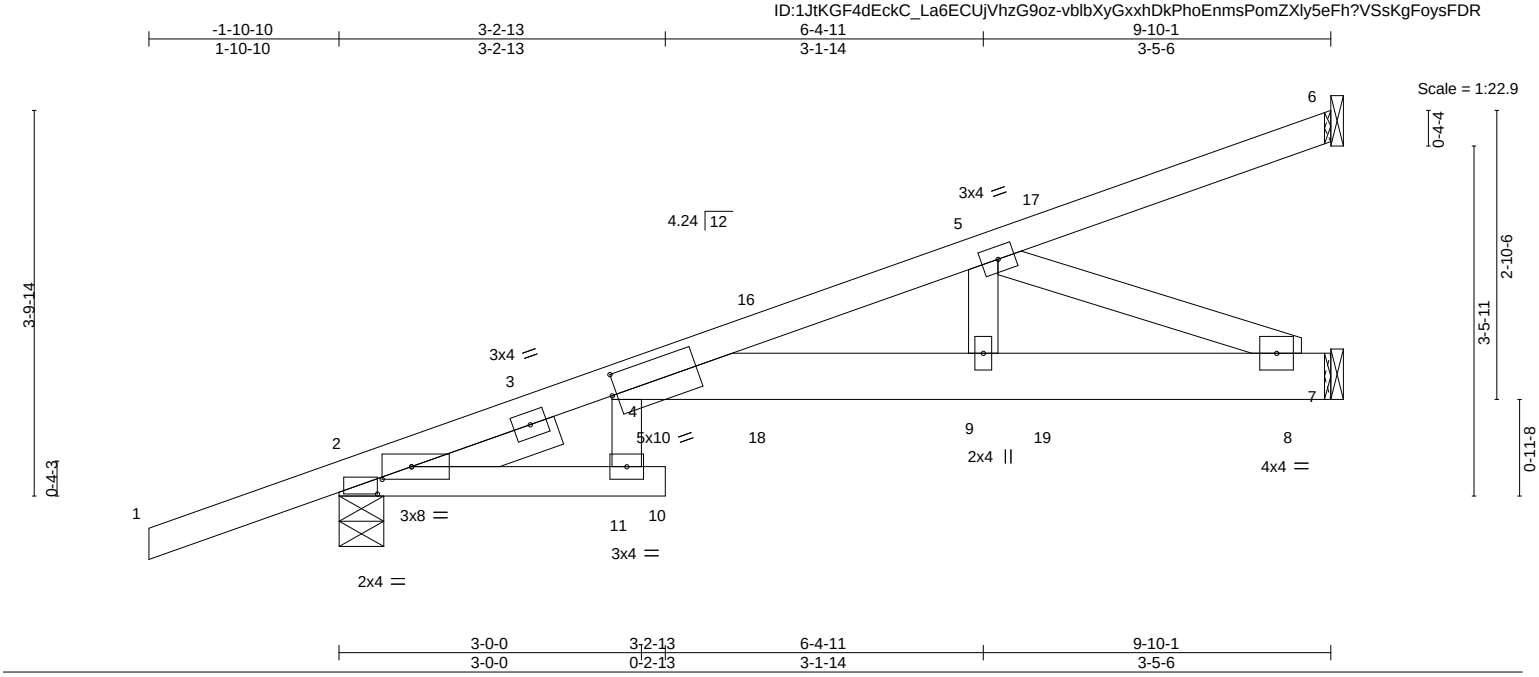


Plate Offsets (X,Y)-- [2:0-3-8,0-1-8], [2:0-4-1,0-3-4], [4:0-0-9,0-2-8]

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	0.85	Vert(LL)	-0.13	4	>895	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.30	4	>387	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.13	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	-0.08	4	>999	240	Weight: 49 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
4-7: 2x6 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

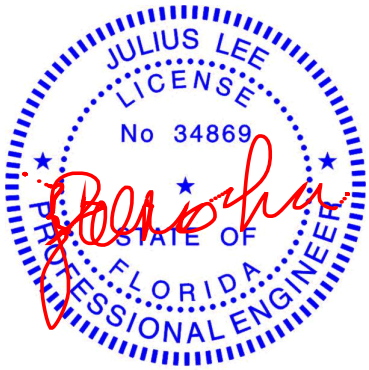
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 2=0-5-5, 7=Mechanical
Max Horz 2=108(LC 27)
Max Uplift 6=-60(LC 8), 2=-12(LC 8)
Max Grav 6=210(LC 1), 2=487(LC 1), 7=393(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-13=-468/0, 4-5=-1063/0
BOT CHORD 4-11=0/388, 4-9=0/994, 8-9=0/1002
WEBS 5-9=0/417, 5-8=-1079/0

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); 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) 6, 2.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 46 lb down and 59 lb up at 1-4-15, 46 lb down and 59 lb up at 1-4-15, 57 lb down and 24 lb up at 4-2-15, 57 lb down and 24 lb up at 4-2-15, 86 lb down and 53 lb up at 7-0-14, and 86 lb down and 53 lb up at 7-0-14, and 128 lb down and 60 lb up at 9-9-5 on top chord, and 20 lb down and 14 lb up at 1-4-15, 20 lb down and 14 lb up at 1-4-15, 19 lb down at 4-2-15, 19 lb down at 4-2-15, and 48 lb down at 7-0-14, and 48 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, 4-6=-60, 11-12=-20, 10-11=-20, 4-7=-20
Concentrated Loads (lb)
Vert: 6=-128(B) 13=117(F=58, B=58) 17=-55(F=-28, B=-28) 18=-38(F=-19, B=-19) 19=-96(F=-48, B=-48)



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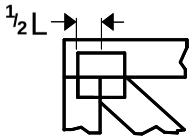
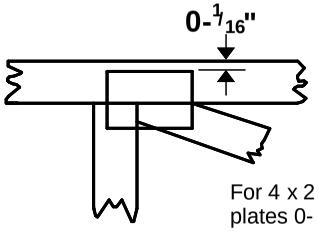
Symbols

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.

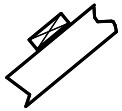
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

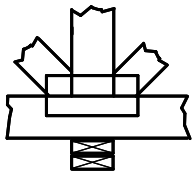
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

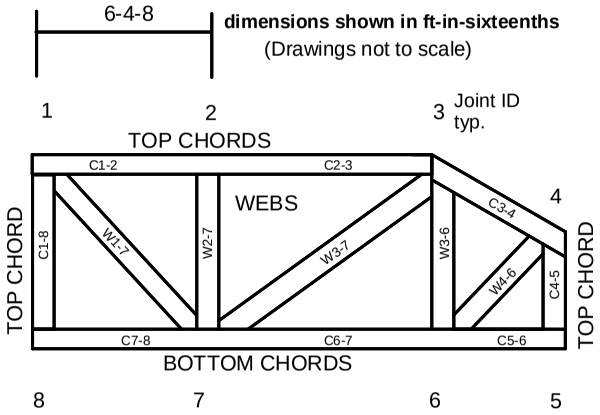


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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.

MiTek®

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.