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

RE: 6252281 - 2265-B-2 Car 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 084 Model: 2265-B-2 Car-Frame
Lot/Block: 084 Subdivision: The Preserve at Laurel Lake
Address: 375 SW Silver Palm Dr , 375 SW Silver
City: Lake City. State: FL

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

Name: License #:
Address:
City: State:

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

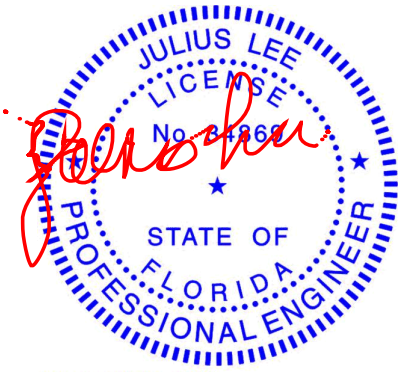
Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.8
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 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	T38524537	A1	9/15/25	23	T38524559	CJ1D	9/15/25
2	T38524538	A2	9/15/25	24	T38524560	CJ3	9/15/25
3	T38524539	A3	9/15/25	25	T38524561	CJ3A	9/15/25
4	T38524540	A4	9/15/25	26	T38524562	CJ5	9/15/25
5	T38524541	A5	9/15/25	27	T38524563	CJ5A	9/15/25
6	T38524542	A6	9/15/25	28	T38524564	EJ1	9/15/25
7	T38524543	A7	9/15/25	29	T38524565	EJ2	9/15/25
8	T38524544	A8	9/15/25	30	T38524566	EJ7A	9/15/25
9	T38524545	A9	9/15/25	31	T38524567	F1	9/15/25
10	T38524546	A10	9/15/25	32	T38524568	F1X	9/15/25
11	T38524547	A11	9/15/25	33	T38524569	HJ1	9/15/25
12	T38524548	A12	9/15/25	34	T38524570	HJ2	9/15/25
13	T38524549	A13	9/15/25	35	T38524571	PB1	9/15/25
14	T38524550	A14	9/15/25				
15	T38524551	A15	9/15/25				
16	T38524552	A16	9/15/25				
17	T38524553	A17	9/15/25				
18	T38524554	A18	9/15/25				
19	T38524555	A19	9/15/25				
20	T38524556	B1	9/15/25				
21	T38524557	B1X	9/15/25				
22	T38524558	CJ1	9/15/25				

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:

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.

September 15,2025

Lee, Julius

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame	
6252281	A1	HIP GIRDER	1	2	Job Reference (optional)	T38524537

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:23 2025 Page 1
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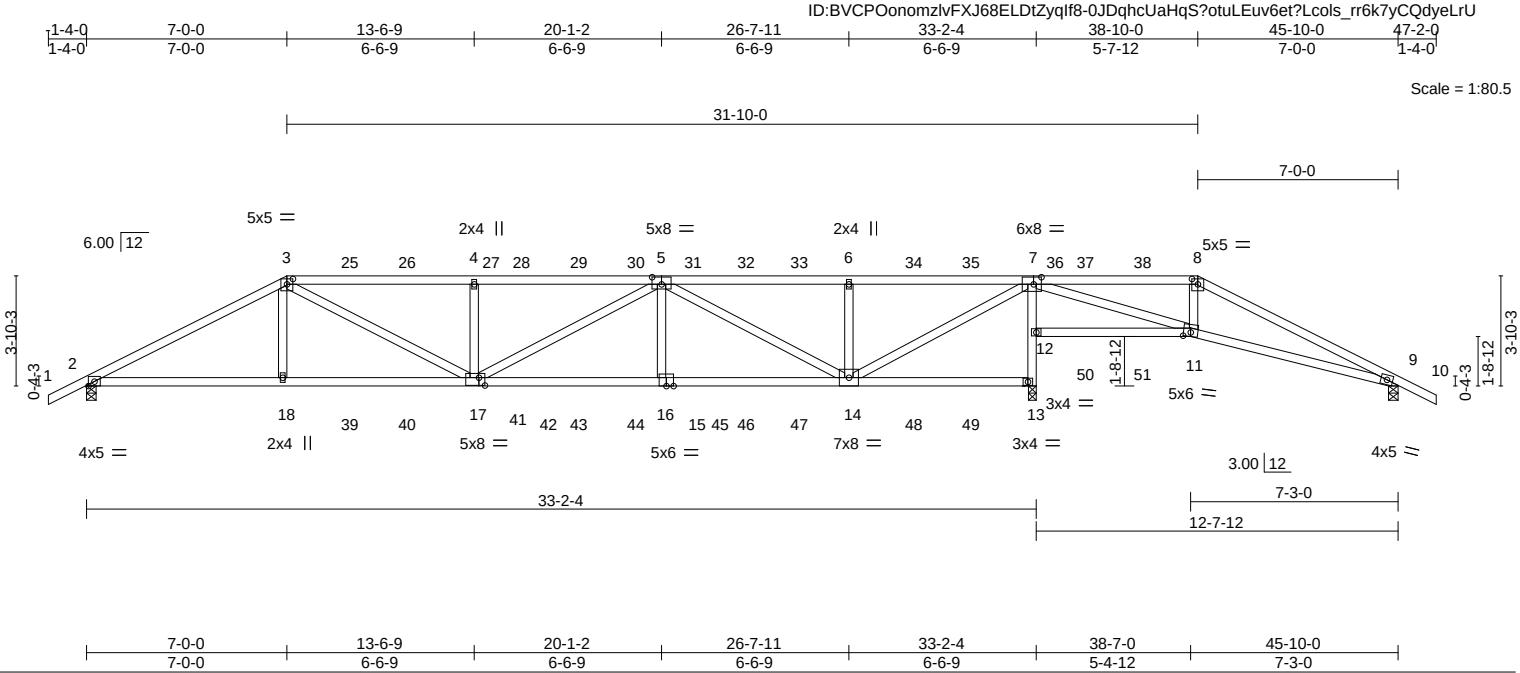


Plate Offsets (X,Y)-- [3:0-2-8,0-2-4], [5:0-4-0,0-3-0], [7:0-3-4,0-3-0], [8:0-2-8,0-2-4], [11:0-3-0,0-1-12], [17:0-2-8,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.23	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.48	16-17	>835	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.12	13	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.15	16-17	>999	240	Weight: 442 lb	FT = 20%

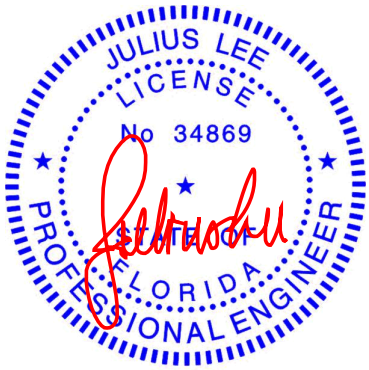
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
3-5: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-8-11 oc bracing.

REACTIONS. (size) 2=0-4-0, 9=0-4-0, 13=0-3-4
Max Horz 2=-45(LC 27)
Max Uplift 2=-205(LC 8), 9=-60(LC 9), 13=-333(LC 5)
Max Grav 2=2773(LC 1), 9=743(LC 22), 13=4271(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5478/433, 3-4=-6740/626, 4-5=-6740/626, 5-6=-4068/410, 6-7=-4068/410, 7-8=-1495/53, 8-9=-1732/54
BOT CHORD 2-18=-363/4817, 17-18=-371/4795, 16-17=-570/6464, 14-16=-570/6464, 13-14=-366/38, 12-13=-4104/416, 7-12=-3945/476, 11-12=-567/65, 9-11=0/1540
WEBS 3-18=0/689, 3-17=-277/2290, 4-17=-849/303, 5-17=-18/315, 5-16=0/542, 5-14=-2727/250, 6-14=-746/277, 7-14=-444/5062, 7-11=-4/2169, 8-11=0/343

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 9, 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 2=205, 13=333.



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

September 15,2025

Continued on page 2

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NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 378 lb down and 213 lb up at 7-0-0, 121 lb down and 81 lb up at 9-0-12, 121 lb down and 81 lb up at 11-0-12, 121 lb down and 81 lb up at 13-0-12, 121 lb down and 81 lb up at 15-0-12, 121 lb down and 81 lb up at 17-0-12, 121 lb down and 81 lb up at 19-0-12, 121 lb down and 81 lb up at 21-0-12, 121 lb down and 81 lb up at 22-11-0, 121 lb down and 81 lb up at 24-9-4, 121 lb down and 81 lb up at 26-9-4, 121 lb down and 81 lb up at 28-9-4, 121 lb down and 81 lb up at 30-9-4, 121 lb down and 81 lb up at 32-9-4, 120 lb down and 80 lb up at 34-9-4, and 120 lb down and 80 lb up at 36-9-4, and 223 lb down and 141 lb up at 38-10-0 on top chord, and 325 lb down at 7-0-0, 89 lb down at 9-0-12, 89 lb down at 11-0-12, 89 lb down at 13-0-12, 89 lb down at 15-0-12, 89 lb down at 17-0-12, 89 lb down at 19-0-12, 89 lb down at 21-0-12, 89 lb down at 22-11-0, 89 lb down at 24-9-4, 89 lb down at 26-9-4, 89 lb down at 28-9-4, 89 lb down at 30-9-4, 89 lb down at 33-0-8, 87 lb down at 34-9-4, and 87 lb down at 36-9-4, and 281 lb down at 38-7-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-8=-60, 8-10=-60, 13-19=-20, 11-12=-20, 11-22=-20
   Concentrated Loads (lb)
   Vert: 8=-176(B) 11=-281(B) 18=-325(B) 3=-331(B) 6=-121(B) 14=-69(B) 13=-69(B) 25=-121(B) 26=-121(B) 27=-121(B) 28=-121(B) 29=-121(B) 30=-121(B) 31=-121(B) 32=-121(B) 33=-121(B) 34=-121(B) 35=-121(B) 36=-121(B) 37=-120(B) 38=-120(B) 39=-69(B) 40=-69(B) 41=-69(B) 42=-69(B) 43=-69(B) 44=-69(B) 45=-69(B) 46=-69(B) 47=-69(B) 48=-69(B) 49=-69(B) 50=-70(B) 51=-70(B)

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	A2	HIP	1	1	T38524538
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:33 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-kEpcn0cswuja?PfGq_5S2_P7IqAdKLaa1hNkn1yeLrK

1-4-0	4-9-4	9-0-0	15-0-9	21-1-2	27-1-11	33-2-4	36-10-0	37-6-0	41-2-9	45-10-0	47-2-0
1-4-0	4-9-4	4-2-12	6-0-9	6-0-9	6-0-9	6-0-9	3-7-12	0-8-0	3-8-9	4-7-7	1-4-0

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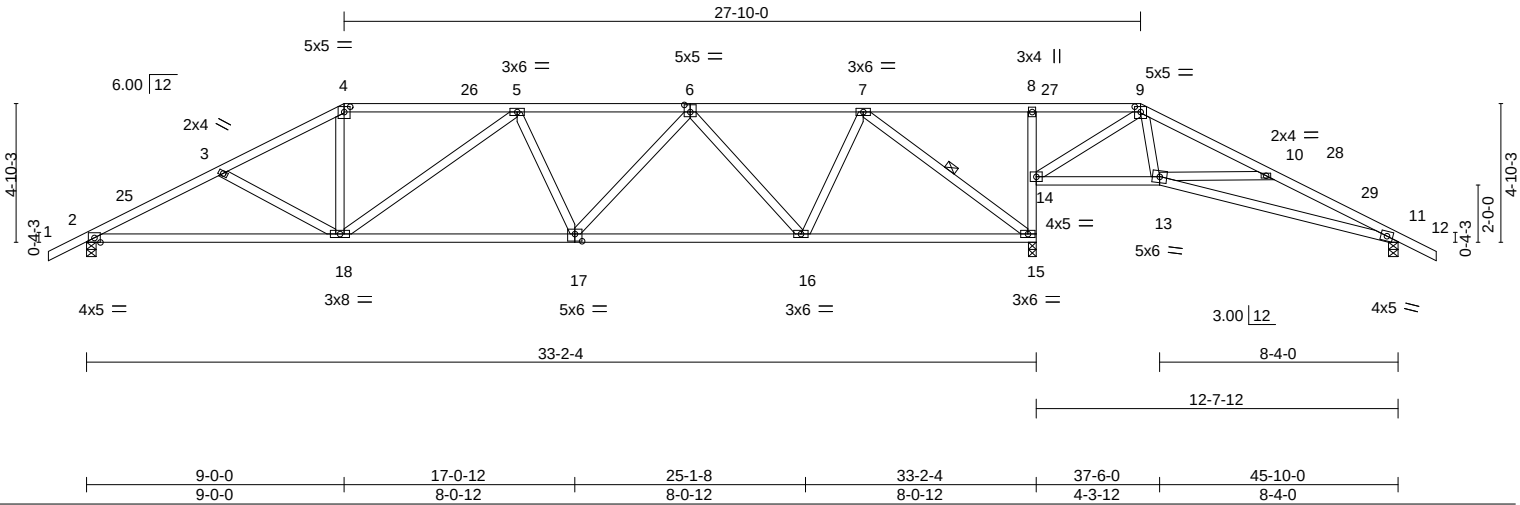


9-0-0	17-0-12	25-1-8	33-2-4	37-6-0	45-10-0
9-0-0	8-0-12	8-0-12	8-0-12	4-3-12	8-4-0

Plate Offsets (X,Y)-- [4:0-2-8,0-2-4], [6:0-2-8,0-3-0], [9:0-2-8,0-2-4], [17:0-3-0,0-3-0]

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	0.45	Vert(LL)	-0.14	17-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.32	17-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.11	15	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.09	17	>999	240	Weight: 233 lb	FT = 20%

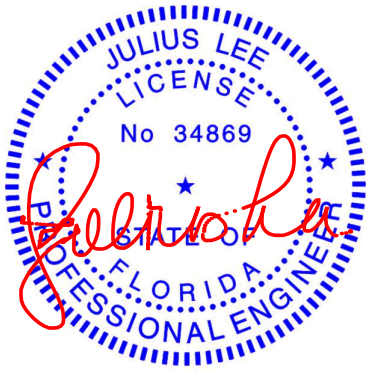
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-9-9 oc bracing: 14-15.
WEBS 1 Row at midpt 7-15

REACTIONS. (size) 2=0-4-0, 11=0-4-0, 15=0-3-4
Max Horz 2=-56(LC 10)
Max Uplift 2=-54(LC 9), 11=-74(LC 13), 15=-86(LC 8)
Max Grav 2=1384(LC 25), 11=543(LC 26), 15=1905(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2471/233, 3-4=-2195/187, 4-5=-1885/193, 5-6=-2325/217, 6-7=-1659/182, 9-10=-590/76, 10-11=-1159/206
BOT CHORD 2-18=-145/2181, 17-18=-155/2346, 16-17=-154/2147, 15-16=-95/1321, 14-15=-751/73, 8-14=-334/96, 13-14=0/363, 11-13=-144/1068
WEBS 3-18=-314/113, 4-18=0/670, 5-18=-657/134, 6-17=0/290, 6-16=-748/106, 7-16=0/817, 7-15=-1781/145, 9-14=-670/26, 9-13=0/449, 10-13=-556/170

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 36-10-0, Zone2 36-10-0 to 41-0-15, Zone1 41-0-15 to 47-2-0 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, 15.



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

September 15,2025

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	A3	HIP	1	1	T38524539
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:34 2025 Page 1
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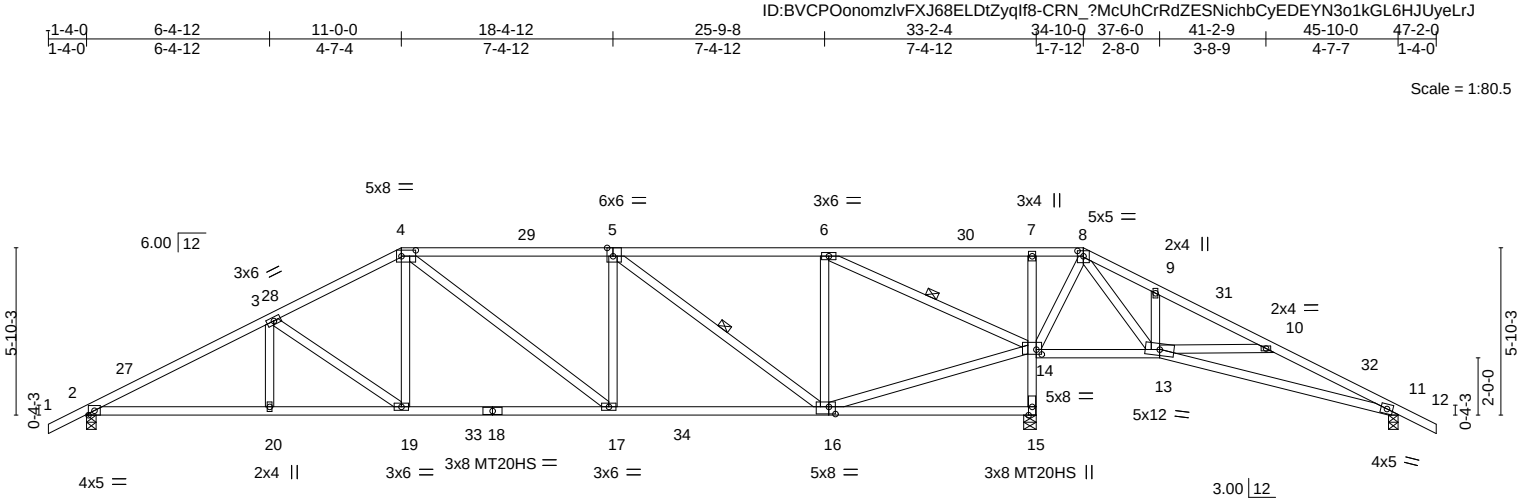

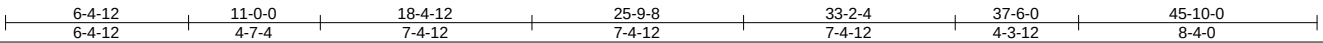

Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [5:0-2-8,Edge], [8:0-2-8,0-2-4], [14:0-2-4,0-2-0], [16:0-2-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.17	17-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.32	17-19	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.08	15	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.07	17-19	>999	240	Weight: 258 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-9-1 oc bracing.
WEBS 1 Row at midpt 5-16, 6-14

REACTIONS. (size) 2=0-4-0, 15=0-5-4, 11=0-4-0
Max Horz 2=-66(LC 10)
Max Uplift 2=-49(LC 12), 15=-78(LC 8), 11=-57(LC 13)
Max Grav 2=1412(LC 27), 15=2390(LC 2), 11=341(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2476/176, 3-4=-2023/176, 4-5=-1898/184, 5-6=-1078/139, 6-7=-27/1005, 7-8=-35/1019, 8-9=-88/492, 9-10=-114/502, 10-11=-315/227
BOT CHORD 2-20=-94/2175, 19-20=-94/2175, 17-19=-71/1770, 16-17=-112/1898, 14-15=-2282/187, 7-14=-385/120, 13-14=-701/178, 11-13=-190/322
WEBS 3-19=-532/95, 4-19=0/534, 5-17=0/296, 5-16=-1052/70, 6-16=0/624, 14-16=-88/1117, 6-14=-2235/165, 8-14=-710/48, 8-13=-66/615, 10-13=-573/142

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 34-10-0, Zone2 34-10-0 to 39-0-15, Zone1 39-0-15 to 47-2-0 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) 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, 15, 11.

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

September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	A4	ROOF SPECIAL	1	1	T38524540
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:35 2025 Page 1
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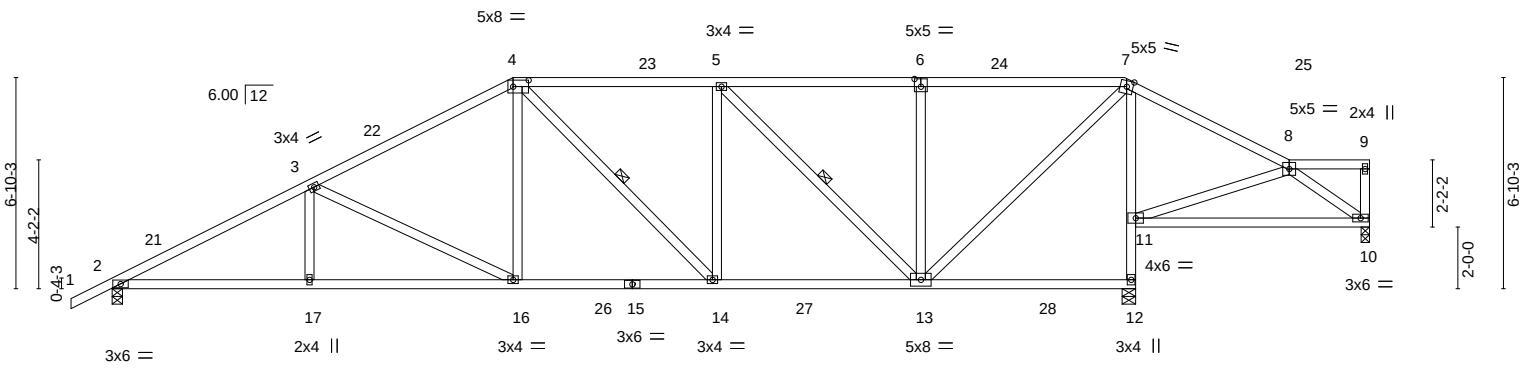


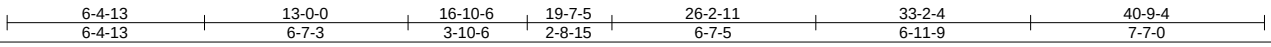


Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [6:0-2-8,0-3-0]

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	0.54	Vert(LL)	-0.15	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.27	14-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.09	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.06	16	>999	240	Weight: 233 lb	FT = 20%

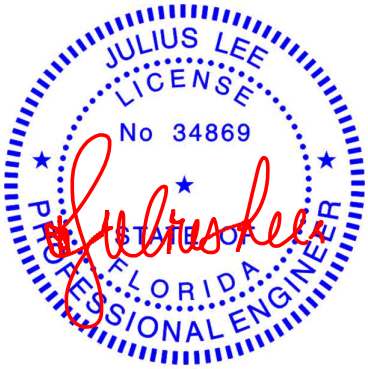
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-0-0 oc bracing.
WEBS 1 Row at midpt 4-14, 5-13

REACTIONS. (size) 10=0-3-4, 2=0-4-0, 12=0-5-4
Max Horz 2=144(LC 12)
Max Uplift 10=-38(LC 13), 2=-56(LC 12), 12=-60(LC 9)
Max Grav 10=239(LC 28), 2=1491(LC 2), 12=1921(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2676/206, 3-4=-2037/205, 4-5=-1778/211, 5-6=-1183/158, 6-7=-1183/158
BOT CHORD 2-17=-253/2358, 16-17=-253/2358, 14-16=-149/1761, 13-14=-132/1778, 11-12=-1787/195, 7-11=-1561/209
WEBS 4-16=0/571, 5-13=-839/75, 6-13=-414/130, 8-11=-283/99, 7-13=-127/1729, 3-17=0/271, 3-16=-702/118, 5-14=0/298

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 32-10-12, Zone2 32-10-12 to 37-1-11, Zone1 37-1-11 to 40-7-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 2, 12.



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

September 15,2025

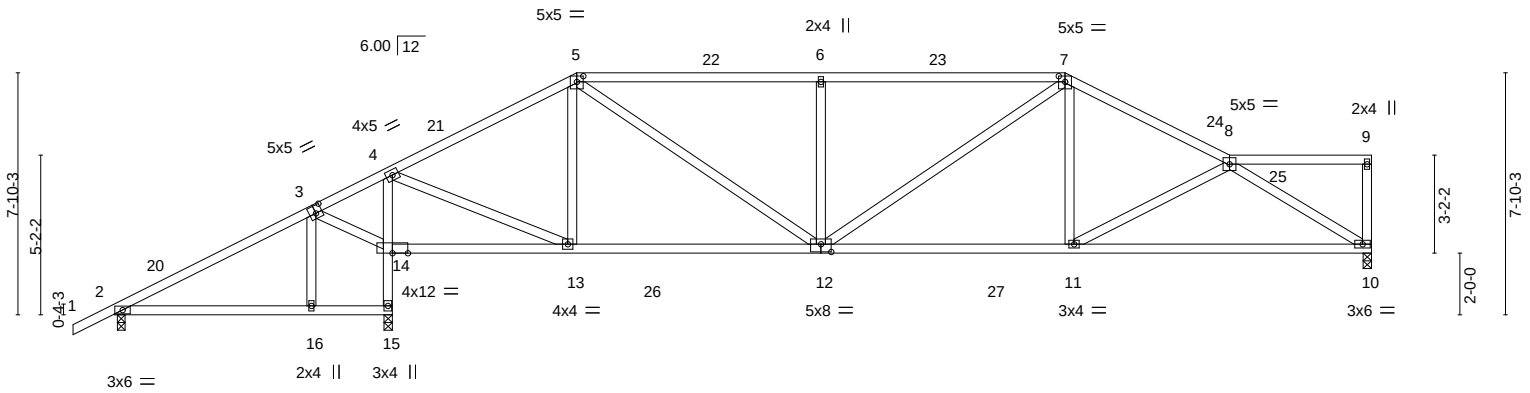
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame	
6252281	A5	ROOF SPECIAL	1	1	Job Reference (optional)	T38524541

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:35 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-gdxNCid6SWzIEjofxP7w7PVN9eq9o9PtU?sqrwyeLrI

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

Scale = 1:74.7



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

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.24	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.49	10-11	>771	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.06	16-19	>999	240	Weight: 222 lb	FT = 20%

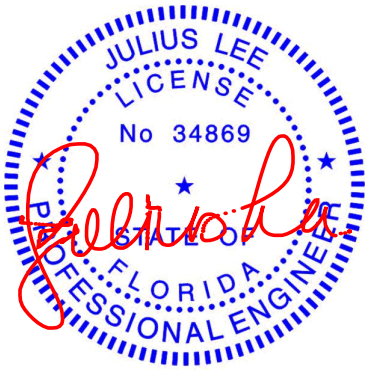
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 10=0-3-4, 15=0-3-4, 2=0-3-0
Max Horz 2=166(LC 9)
Max Uplift 10=-26(LC 13), 15=-211(LC 9), 2=-63(LC 8)
Max Grav 10=1338(LC 2), 15=1967(LC 2), 2=299(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-307/610, 4-5=-1281/123, 5-6=-1911/221, 6-7=-1911/221, 7-8=-1956/188
BOT CHORD 14-15=-1989/386, 4-14=-1642/318, 13-14=-495/169, 12-13=-70/1089, 11-12=-147/1690, 10-11=-207/1719
WEBS 3-16=-80/253, 3-14=-581/220, 4-13=-220/1705, 5-13=-432/176, 5-12=-105/1020, 6-12=-547/170, 7-12=-69/387, 7-11=0/404, 8-10=-1976/226

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 30-10-0, Zone2 30-10-0 to 35-0-15, Zone1 35-0-15 to 40-7-8 zone; cantilever left and right exposed ; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 2 except (jt=lb) 15=211.



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

September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	A6	ROOF SPECIAL	1	1	T38524542
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:36 2025 Page 1
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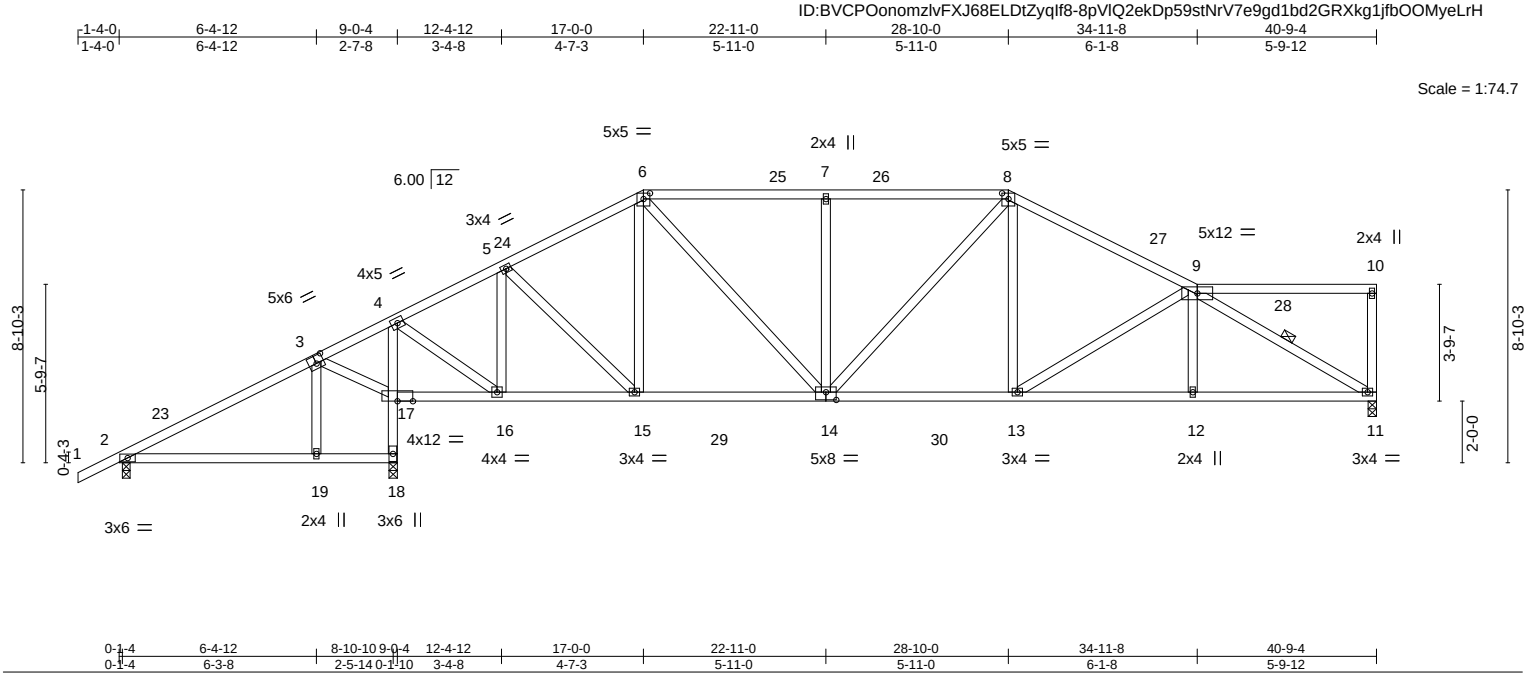


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [6:0-2-8,0-2-4], [8:0-2-8,0-2-4], [14:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.11	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.20	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.06	19-22	>999	240	Weight: 245 lb	FT = 20%

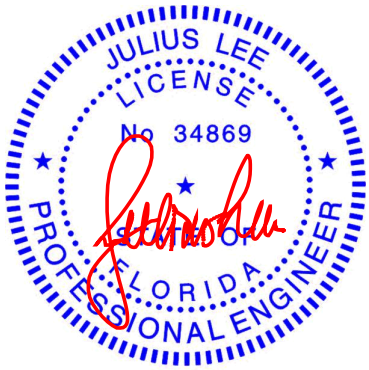
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-1-4 oc bracing.
WEBS 1 Row at midpt 9-11

REACTIONS. (size) 11=0-3-4, 18=0-3-4, 2=0-3-0
Max Horz 2=189(LC 9)
Max Uplift 11=-38(LC 13), 18=-204(LC 9), 2=-67(LC 8)
Max Grav 11=1334(LC 2), 18=1984(LC 2), 2=288(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-374/675, 4-5=-879/70, 5-6=-1331/164, 6-7=-1588/218, 7-8=-1588/218, 8-9=-1786/205
BOT CHORD 17-18=-2006/404, 4-17=-1680/322, 16-17=-596/207, 15-16=-47/735, 14-15=-104/1145, 13-14=-155/1527, 12-13=-173/1828, 11-12=-176/1819
WEBS 3-19=-78/253, 3-17=-638/245, 4-16=-298/1626, 5-16=-811/216, 5-15=-75/560, 6-14=-72/690, 7-14=-405/128, 8-13=0/413, 9-13=-342/81, 9-11=-2098/168

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 28-10-0, Zone2 28-10-0 to 33-0-15, Zone1 33-0-15 to 40-7-8 zone; cantilever left and right exposed ; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 2 except (jt=lb) 18=204.



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

September 15,2025

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

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	A7	ROOF SPECIAL	1	1	T38524543
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:37 2025 Page 1
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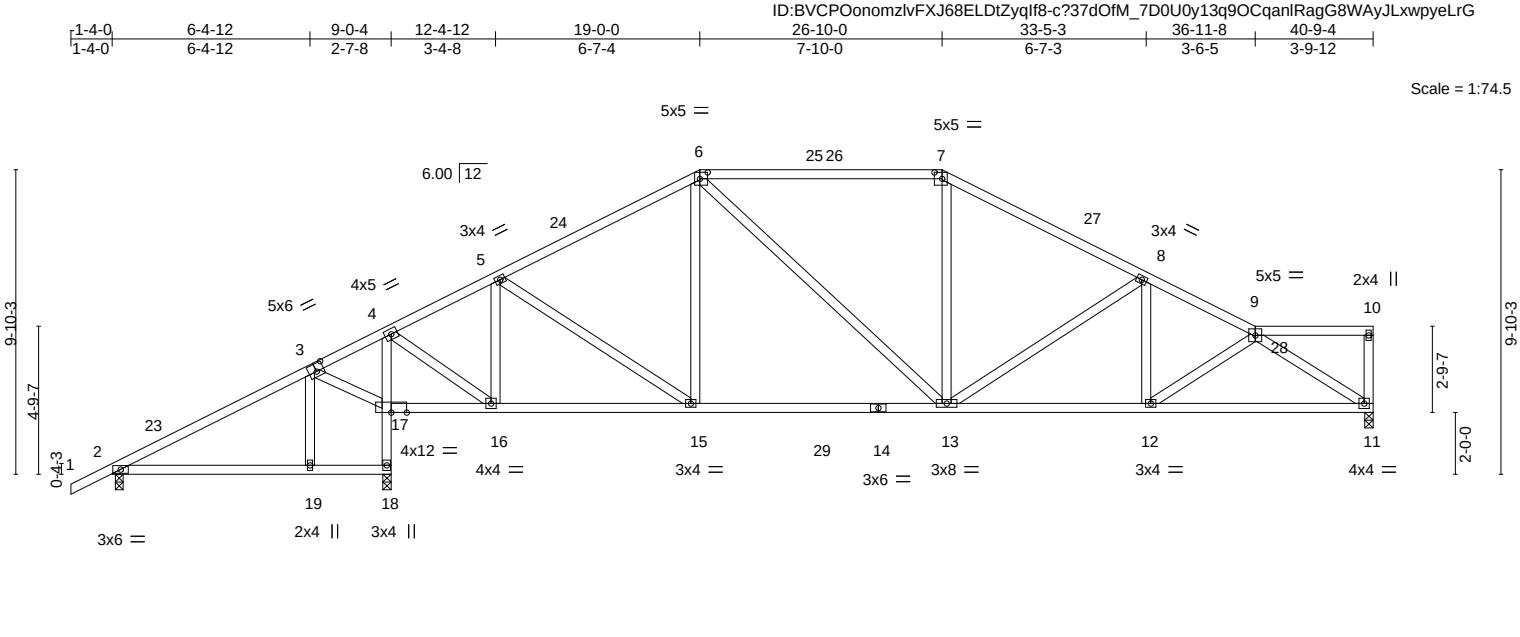

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [6:0-3-0,0-2-8], [7:0-3-0,0-2-8]

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	0.54	Vert(LL)	-0.17	13-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.31	13-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.06	19-22	>999	240	Weight: 236 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-1-13 oc bracing.

REACTIONS. (size) 11=0-3-4, 18=0-3-4, 2=0-3-0
Max Horz 2=179(LC 9)
Max Uplift 11=-47(LC 13), 18=-164(LC 9), 2=-75(LC 8)
Max Grav 11=1328(LC 2), 18=1962(LC 2), 2=300(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-313/625, 4-5=-918/73, 5-6=-1417/182, 6-7=-1397/232, 7-8=-1645/210, 8-9=-2020/203
BOT CHORD 17-18=-1984/381, 4-17=-1635/280, 16-17=-561/200, 15-16=-39/793, 13-15=-90/1198, 12-13=-166/1799, 11-12=-188/1674
WEBS 3-19=-80/253, 3-17=-622/246, 4-16=-287/1640, 5-16=-782/224, 5-15=-59/500, 6-13=-52/349, 7-13=0/369, 8-13=-496/98, 9-11=-1967/200

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 19-0-0, Zone2 19-0-0 to 23-2-15, Zone1 23-2-15 to 26-10-0, Zone2 26-10-0 to 31-0-15, Zone1 31-0-15 to 40-7-8 zone; cantilever left and right exposed ; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 2 except (jt=lb) 18=164.

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

September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	A8	HIP	1	1	T38524544
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:38 2025 Page 1
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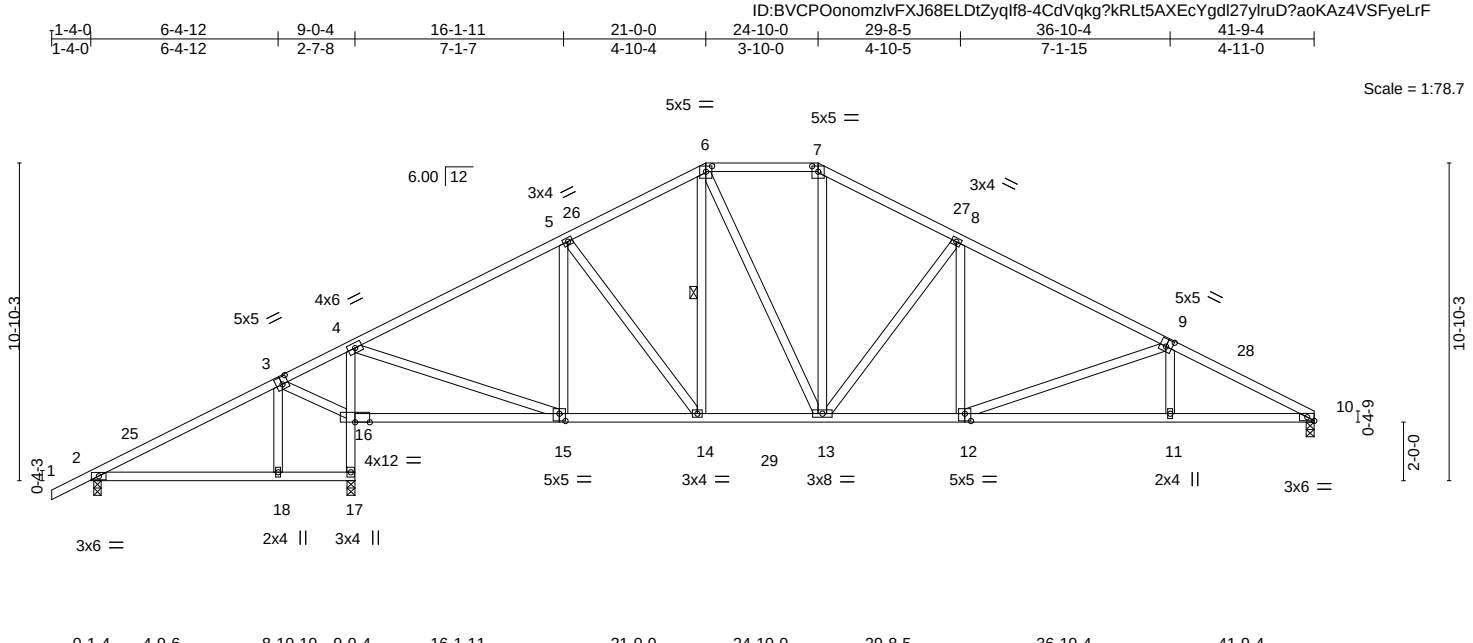


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [6:0-2-8,0-2-4], [7:0-2-8,0-2-4], [9:0-2-8,0-3-0], [12:0-2-8,0-3-0], [15:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.15	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.30	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.06	18-24	>999	240	Weight: 250 lb	FT = 20%

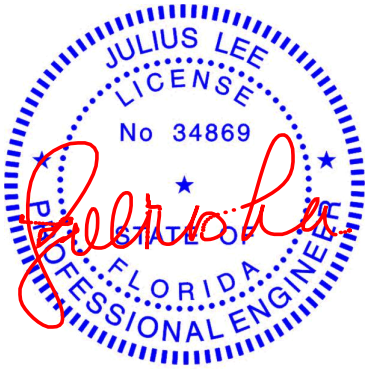
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-1-4 oc bracing.
WEBS 1 Row at midpt 6-14

REACTIONS. (size) 17=0-3-4, 10=0-3-4, 2=0-3-0
Max Horz 2=153(LC 12)
Max Uplift 17=-118(LC 12), 10=-65(LC 13), 2=-85(LC 8)
Max Grav 17=1992(LC 2), 10=1368(LC 2), 2=306(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-171/640, 4-5=-1400/112, 5-6=-1396/183, 6-7=-1297/196, 7-8=-1529/195, 8-9=-2033/174, 9-10=-2659/178
BOT CHORD 16-17=-2013/281, 4-16=-1637/223, 15-16=-453/152, 14-15=0/1193, 13-14=0/1183, 12-13=-40/1739, 11-12=-120/2336, 10-11=-118/2343
WEBS 3-18=-81/251, 3-16=-560/214, 4-15=-143/1726, 5-15=-386/129, 6-13=-43/341, 7-13=-14/471, 8-13=-732/119, 8-12=0/452, 9-12=-645/110

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 21-0-0, Zone3 21-0-0 to 24-10-0, Zone2 24-10-0 to 29-0-15, Zone1 29-0-15 to 41-9-4 zone; cantilever left and right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 2 except (jt=lb) 17=118.



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

September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame	T38524545
6252281	A9	PIGGYBACK BASE	4	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:39 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-YOBt24gdVkTkjK6QAFCsIFf66FFhk1eTPcq2_hyeLrE

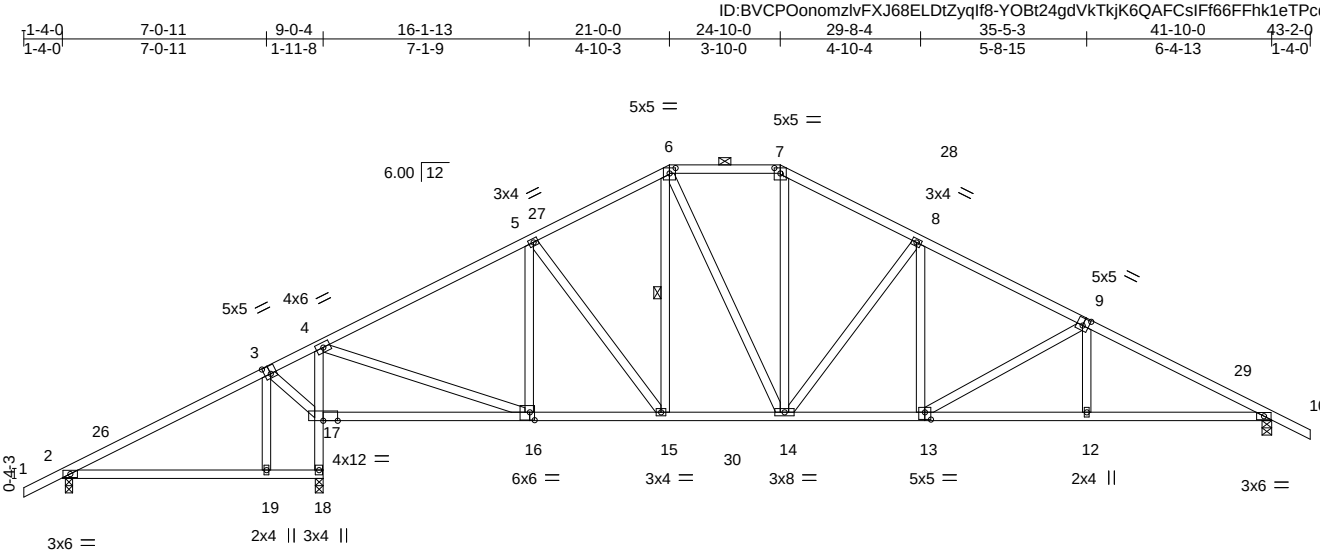


Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [6:0-2-8,0-2-4], [7:0-2-8,0-2-4], [9:0-2-8,0-3-0], [13:0-2-8,0-3-0], [16:0-2-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.12	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.22	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.09	19-25	>999	240	Weight: 252 lb	FT = 20%

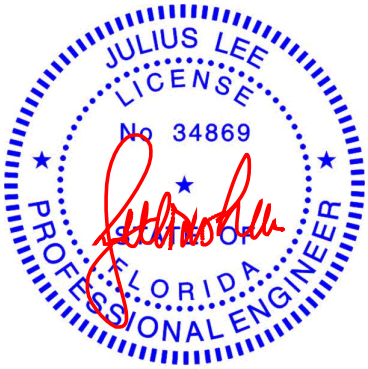
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-8 oc purlins, except 2-0-0 oc purlins (5-0-2 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 4-0-8 oc bracing.
WEBS 1 Row at midpt 6-15

REACTIONS. (size) 18=0-3-4, 10=0-4-0, 2=0-3-0
Max Horz 2=145(LC 12)
Max Uplift 18=-109(LC 12), 10=-84(LC 13), 2=-92(LC 8)
Max Grav 18=1976(LC 2), 10=1443(LC 2), 2=319(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-126/560, 4-5=-1434/126, 5-6=-1407/190, 6-7=-1310/201, 7-8=-1536/197, 8-9=-2012/185, 9-10=-2556/173
BOT CHORD 17-18=-2059/278, 4-17=-1539/168, 16-17=-394/129, 15-16=0/1217, 14-15=0/1193, 13-14=-28/1729, 12-13=-90/2241, 10-12=-88/2247
WEBS 3-19=-100/303, 3-17=-584/222, 4-16=-107/1692, 5-16=-364/118, 6-14=-41/348, 7-14=-9/456, 8-14=-695/113, 8-13=0/480, 9-13=-600/95, 9-12=0/255

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 21-0-0, Zone3 21-0-0 to 24-10-0, Zone2 24-10-0 to 29-0-15, Zone1 29-0-15 to 43-2-0 zone; cantilever left and right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 2 except (jt=lb) 18=109.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

September 15,2025

MiTek®
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Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame	T38524546
6252281	A10	PIGGYBACK BASE	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:24 2025 Page 1
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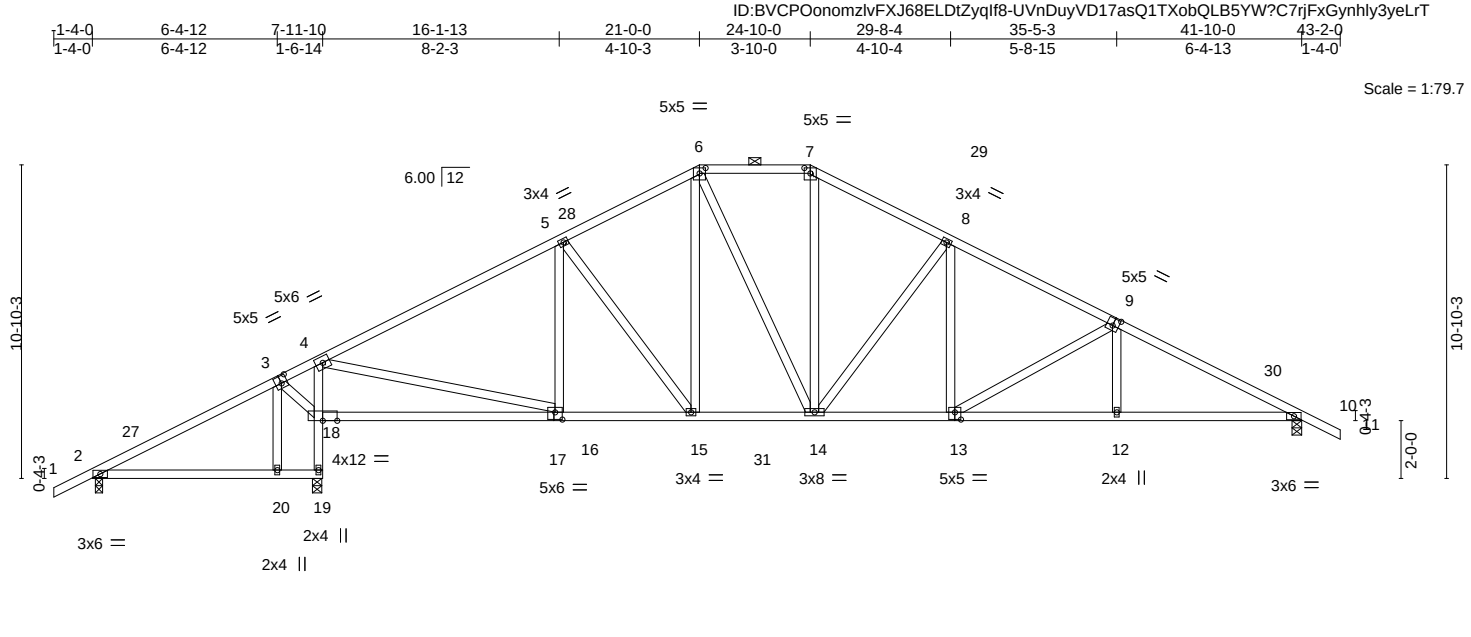


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [6:0-2-8,0-2-4], [7:0-2-8,0-2-4], [9:0-2-8,0-3-0], [13:0-2-8,0-3-0], [17:0-3-0,0-3-0]

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)	-0.14	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.29	16-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.08	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.06	13	>999	240	Weight: 252 lb	FT = 20%

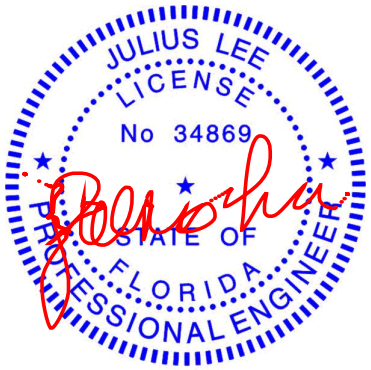
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-5 oc purlins, except 2-0-0 oc purlins (4-9-7 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 4-1-3 oc bracing.

REACTIONS. (size) 19=0-3-14, 10=0-4-0, 2=0-3-0
Max Horz 2=145(LC 12)
Max Uplift 19=-110(LC 12), 10=-82(LC 13), 2=-90(LC 8)
Max Grav 19=1934(LC 2), 10=1500(LC 2), 2=303(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-114/481, 4-5=-1732/149, 5-6=-1569/208, 6-7=-1424/212, 7-8=-1665/209, 8-9=-2140/198, 9-10=-2682/185
BOT CHORD 18-19=-2018/260, 4-18=-1553/185, 15-16=0/1465, 14-15=0/1332, 13-14=-39/1844, 12-13=-101/2354, 10-12=-99/2360
WEBS 3-20=-96/275, 3-18=-472/178, 4-16=-85/1752, 5-15=-257/91, 6-15=-35/332, 6-14=-43/312, 7-14=-14/512, 8-14=-693/113, 8-13=0/479, 9-13=-599/95, 9-12=0/255

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 21-0-0, Zone3 21-0-0 to 24-10-0, Zone2 24-10-0 to 29-0-15, Zone1 29-0-15 to 43-2-0 zone; cantilever left and right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 2 except (jt=lb) 19=110.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

September 15,2025

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Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame	T38524547
6252281	A11	PIGGYBACK BASE	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:25 2025 Page 1
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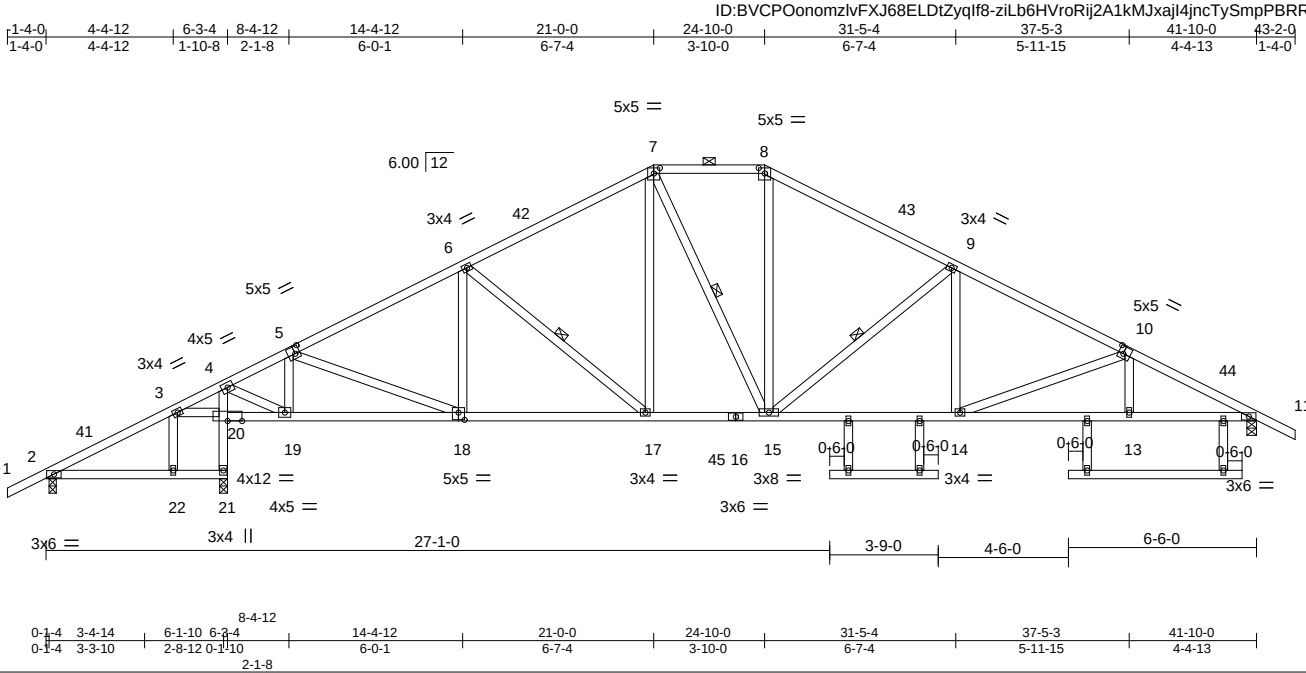


Plate Offsets (X,Y)-- [5:0-2-0,0-3-0], [7:0-2-8,0-2-4], [8:0-2-8,0-2-4], [10:0-2-0,0-3-0], [18:0-2-8,0-3-0]

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	0.54	Vert(LL)	-0.16	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.30	14-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.07	14	>999	240	Weight: 274 lb	FT = 20%

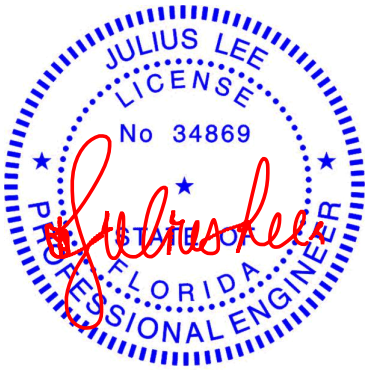
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-15 oc purlins, except
2-0-0 oc purlins (4-7-6 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 3-11-8 oc bracing.
WEBS 1 Row at midpt 6-17, 7-15, 9-15

REACTIONS. (size) 21=0-3-4, 11=0-4-0, 2=0-3-0
Max Horz 2=145(LC 12)
Max Uplift 21=-123(LC 12), 11=-77(LC 13), 2=-85(LC 8)
Max Grav 21=1956(LC 2), 11=1575(LC 2), 2=214(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-204/849, 4-5=-1295/48, 5-6=-2066/162, 6-7=-1800/206, 7-8=-1577/222, 8-9=-1858/210, 9-10=-2483/203, 10-11=-2970/189
BOT CHORD 20-21=-1993/218, 4-20=-1909/203, 19-20=-766/206, 18-19=-41/1227, 17-18=-29/1803, 15-17=0/1527, 14-15=-70/2172, 13-14=-123/2609, 11-13=-120/2620
WEBS 3-20=-679/232, 4-19=-198/2116, 5-19=-778/138, 5-18=-47/656, 6-17=-371/102, 7-17=-2/440, 7-15=-78/261, 8-15=-3/555, 9-15=-775/123, 9-14=0/416, 10-14=-488/79

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 21-0-0, Zone3 21-0-0 to 24-10-0, Zone2 24-10-0 to 29-0-15, Zone1 29-0-15 to 43-2-0 zone; cantilever left and right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 2 except (jt=lb) 21=123.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
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Date:

September 15,2025

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Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	A12	HIP	1	1	T38524548
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:26 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-RuuzJdWTZlqafKcwv0TpGWdtw0p4BD_YQ5As1xyeLrR

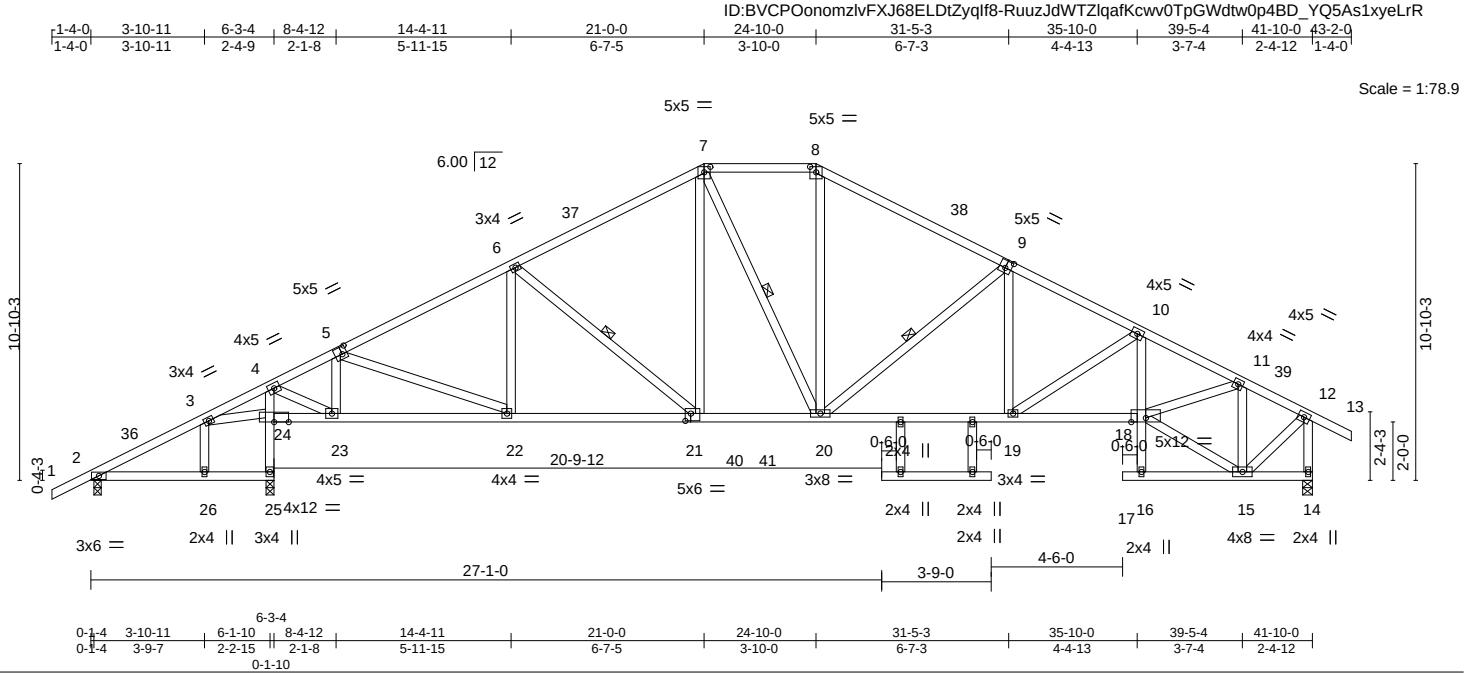


Plate Offsets (X,Y)-- [5:0-2-0,0-3-0], [7:0-2-8,0-2-4], [8:0-2-8,0-2-4], [9:0-2-8,0-3-0], [21:0-2-4,0-3-0]

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	0.58	Vert(LL)	-0.15	19-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.29	19-20	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.15	14	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.06	19	>999	240	Weight: 285 lb	FT = 20%

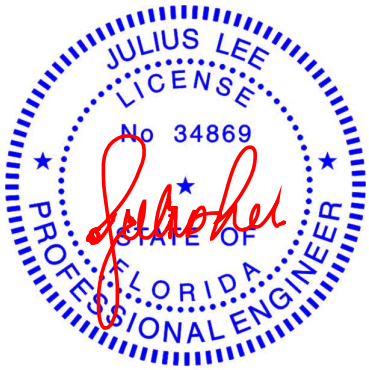
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-0-9 oc bracing. Except: 10-0-0 oc bracing: 16-18
WEBS 1 Row at midpt 6-21, 9-20, 7-20

REACTIONS. (size) 25=0-3-4, 14=0-4-0, 2=0-3-0
Max Horz 2=163(LC 11)
Max Uplift 25=-106(LC 12), 14=-71(LC 13), 2=-102(LC 8)
Max Grav 25=1958(LC 2), 14=1594(LC 2), 2=208(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-272/881, 4-5=-1305/66, 5-6=-2056/167, 6-7=-1802/204, 7-8=-1570/216, 8-9=-1847/204, 9-10=-2435/194, 10-11=-2852/186, 11-12=-1134/112, 12-14=-1554/150
BOT CHORD 24-25=-1953/231, 4-24=-1976/249, 23-24=-795/217, 22-23=-17/1223, 21-22=-59/1805, 20-21=-10/1514, 19-20=-80/2140, 18-19=-120/2536, 10-18=0/269
WEBS 5-22=-67/658, 6-21=-364/104, 7-21=-8/430, 8-20=0/549, 9-20=-746/118, 9-19=0/420, 10-19=-469/57, 11-18=-71/1613, 11-15=-1394/113, 12-15=-55/1337, 15-18=-62/1102, 7-20=-72/265, 5-23=-772/152, 4-23=-225/2136, 3-24=-722/243

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 21-0-0, Zone3 21-0-0 to 24-10-0, Zone2 24-10-0 to 29-0-15, Zone1 29-0-15 to 43-2-0 zone; cantilever left and right exposed ; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 25=106, 2=102.



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

September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame	T38524549
6252281	A13	HIP	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:26 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-RuuzJdWTZlqafKcwv0TpGWdtl0lyBEtYQ5As1xyeLrR

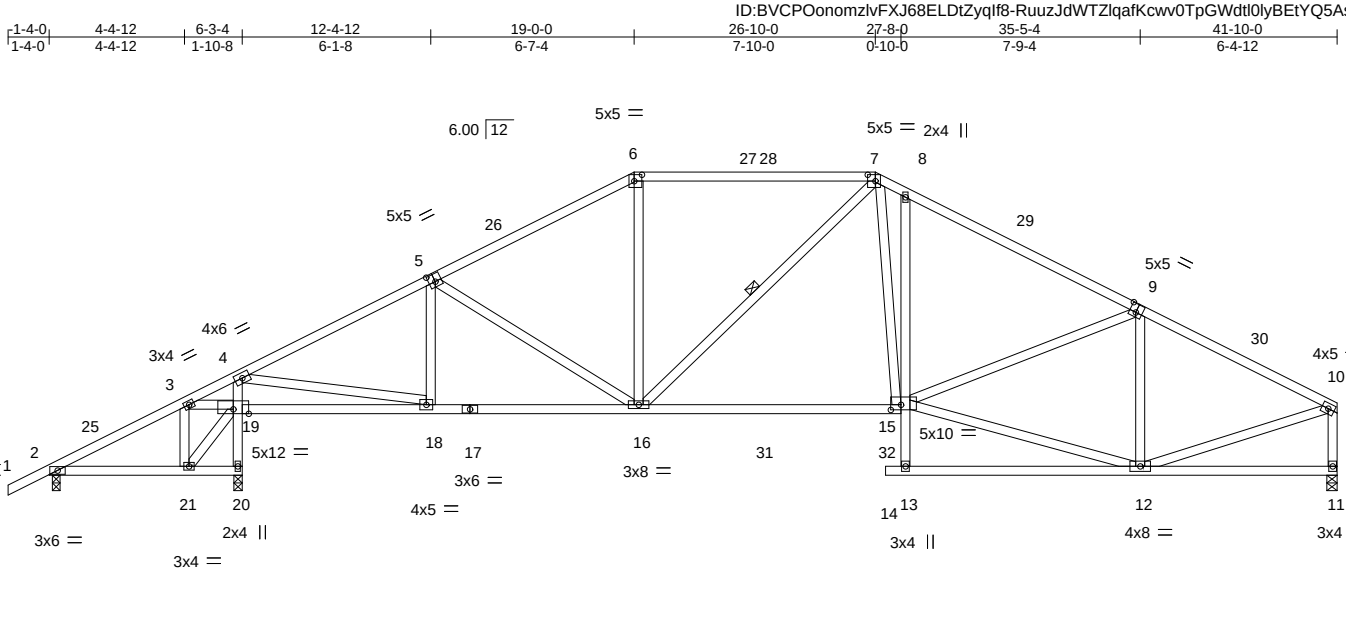


Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-3-0,0-2-8], [7:0-3-0,0-2-8], [9:0-2-8,0-3-4], [15:0-4-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.29	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.53	15-16	>807	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.05	14	>999	240	Weight: 266 lb	FT = 20%

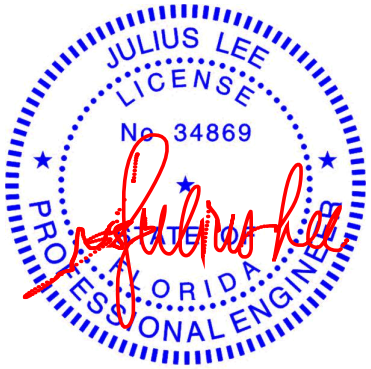
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
6-7: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
10-0-0 oc bracing: 13-15
WEBS 1 Row at midpt 7-16

REACTIONS. (size) 20=0-3-4, 11=0-4-0, 2=0-3-0
Max Horz 2=144(LC 12)
Max Uplift 20=-100(LC 12), 11=-44(LC 13), 2=-17(LC 13)
Max Grav 20=1846(LC 2), 11=1550(LC 2), 2=302(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-2203/170, 5-6=-2014/199, 6-7=-1743/211, 7-8=-2182/269, 8-9=-2242/209, 9-10=-1854/144, 10-11=-1458/135
BOT CHORD 19-20=-1846/132, 4-19=-1563/164, 16-18=-85/1908, 15-16=-29/1821, 8-15=-284/157
WEBS 3-19=-267/37, 4-18=-93/1887, 5-16=-259/105, 6-16=0/525, 7-15=-107/913, 12-15=-91/1644, 9-15=-15/379, 9-12=-710/143, 10-12=-76/1634

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 19-0-0, Zone2 19-0-0 to 23-2-15, Zone1 23-2-15 to 26-10-0, Zone2 26-10-0 to 31-0-15, Zone1 31-0-15 to 41-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 11, 2.



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

September 15,2025

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

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame T38524550
6252281	A14	HIP	1	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:27 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-v4SLXzX5K2yRHUB6Tk_2ojAyYP7DwZwiflwPZOyeLrQ

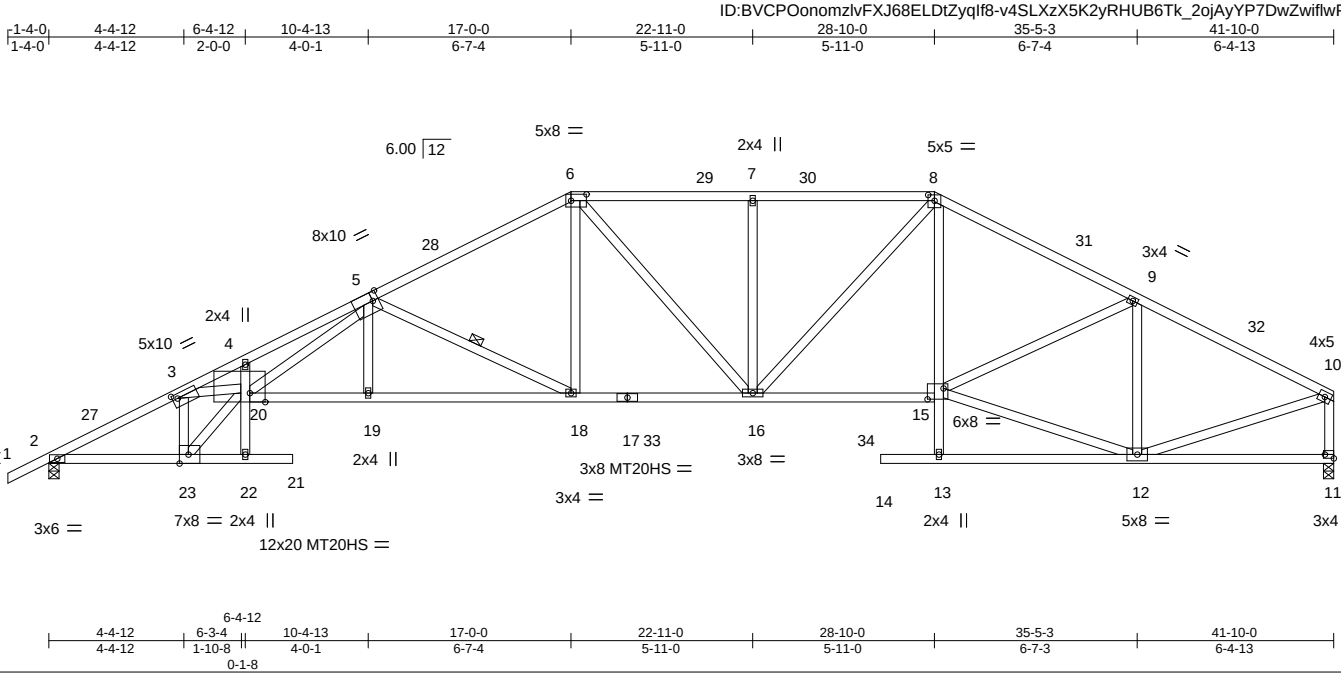


Plate Offsets (X,Y)-- [3:0-2-0,0-1-12], [5:0-2-4,Edge], [6:0-6-0,0-2-8], [8:0-2-8,0-2-4], [11:Edge,0-1-8], [15:0-6-4,0-4-4], [20:0-6-0,Edge], [23:0-3-8,Edge]

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	0.97	Vert(LL)	-0.60	21	>838	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-1.11	21	>449	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.52	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.29	21	>999	240	Weight: 268 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-5: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
17-20: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2 *Except*
20-23,3-20: 2x4 SP M 31 or 2x4 SP SS

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 20-22, 13-15
WEBS 1 Row at midpt 5-18

REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=134(LC 12)
Max Uplift 2=-48(LC 12), 11=-11(LC 13)
Max Grav 2=1948(LC 2), 11=1884(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3742/181, 3-4=-8886/444, 4-5=-8839/470, 5-6=-3356/242, 6-7=-3054/251, 7-8=-3054/251, 8-9=-3150/218, 9-10=-2290/153, 10-11=-1783/142
BOT CHORD 2-23=-179/3307, 19-20=-225/4634, 18-19=-227/4627, 16-18=-82/2949, 15-16=-55/2739, 8-15=0/737
WEBS 5-20=-193/4205, 5-19=0/294, 5-18=-1896/161, 6-18=0/1077, 6-16=-92/327, 7-16=-396/126, 8-16=-84/588, 12-15=-92/2084, 9-15=-11/854, 9-12=-1092/143, 10-12=-87/2035, 3-23=-3219/209, 20-23=-243/4576, 3-20=-190/4493

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 28-10-0, Zone2 28-10-0 to 33-0-15, Zone1 33-0-15 to 41-8-4 zone;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) The Fabrication Tolerance at joint 20 = 12%
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) 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:

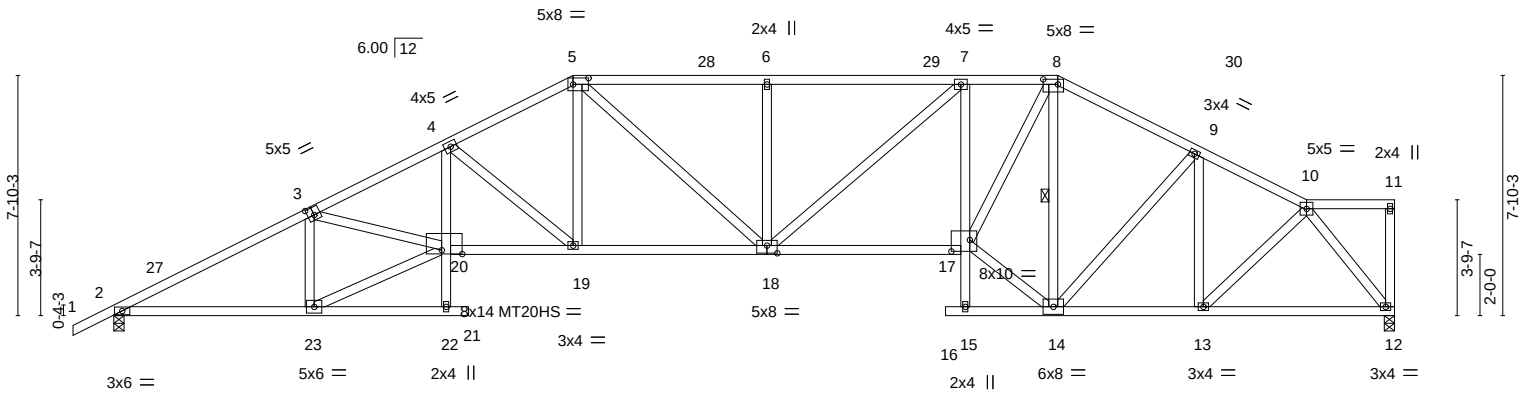
September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame	T38524551
6252281	A15	ROOF SPECIAL	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:28 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-NH0jkJYj5M4HvemJ1RVHLxiBPpS?f3NrtPfz5qyeLrP

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

Scale = 1:75.3



6-4-12	11-0-0	15-0-0	21-4-0	27-8-0	30-10-0	34-10-12	41-10-0
6-4-12	4-7-4	4-0-0	6-4-0	6-4-0	3-2-0	4-0-12	6-11-4

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [8:0-5-12,0-2-0], [17:0-7-4,0-4-8], [18:0-4-0,0-3-0], [20:0-8-0,0-1-8]

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	0.71	Vert(LL)	-0.30	21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.61	18-19	>819	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.35	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.17	21	>999	240	Weight: 276 lb	FT = 20%

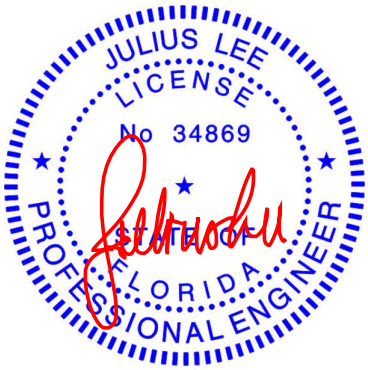
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 19-20.
10-0-0 oc bracing: 20-22, 15-17
WEBS 1 Row at midpt 8-14

REACTIONS. (size) 12=0-4-0, 2=0-4-0
Max Horz 2=147(LC 12)
Max Uplift 12=-12(LC 13), 2=-50(LC 12)
Max Grav 12=1679(LC 1), 2=1764(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3276/251, 3-4=-4550/430, 4-5=-3310/344, 5-6=-3208/347, 6-7=-3208/347, 7-8=-2951/332, 8-9=-2082/244, 9-10=-1972/187
BOT CHORD 2-23=-278/2863, 4-20=-64/1222, 19-20=-380/4031, 18-19=-235/2934, 17-18=-235/2978, 7-17=-566/131, 13-14=-144/1736, 12-13=-126/1214
WEBS 3-23=-1217/193, 20-23=-306/3119, 3-20=-95/1151, 4-19=-1440/186, 5-19=-43/926, 5-18=-102/532, 6-18=-426/134, 7-18=-53/411, 14-17=-156/2209, 8-17=-197/2380, 8-14=-1360/131, 9-13=-400/106, 10-13=-42/736, 10-12=-1947/209

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 30-10-0, Zone2 30-10-0 to 35-0-15, Zone1 35-0-15 to 41-8-4 zone;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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 2.



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

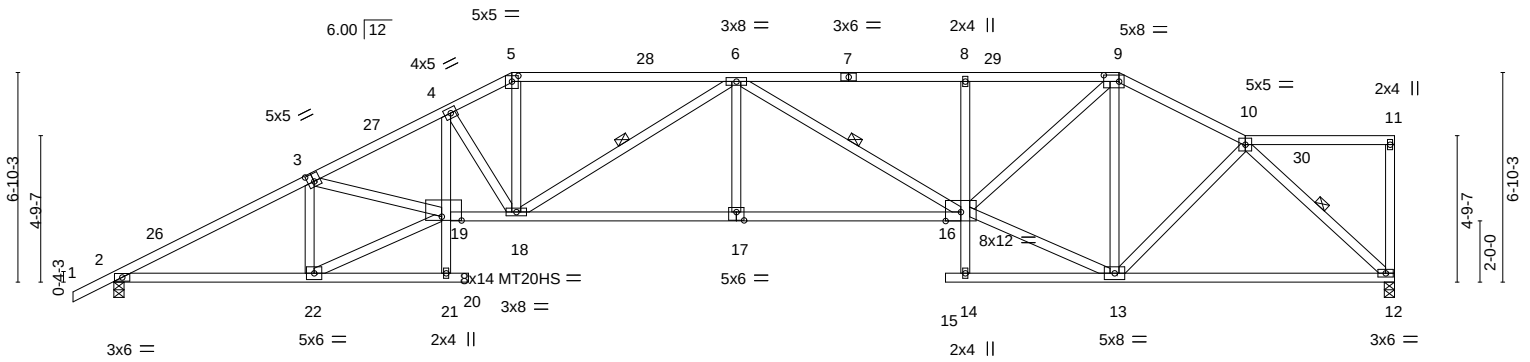
September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame	T38524552
6252281	A16	ROOF SPECIAL	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:29 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-rTa5xfZLsgC8WoLVb90Wu8FNQDpkOXJ?63PWeGyeLrO

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

Scale = 1:75.3



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

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-2-8,0-2-4], [9:0-6-0,0-2-8], [17:0-3-0,0-3-4], [19:0-7-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.32	17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.67	16-17	>750	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.33	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.19	17	>999	240	Weight: 259 lb	FT = 20%

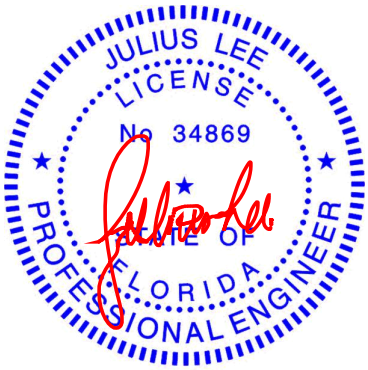
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
5-7: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
17-19,16-17: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-4-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 13-14.
10-0-0 oc bracing: 19-21, 14-16
WEBS 1 Row at midpt 6-18, 6-16, 10-12

REACTIONS. (size) 12=0-4-0, 2=0-4-0
Max Horz 2=154(LC 12)
Max Uplift 12=-57(LC 9), 2=-37(LC 12)
Max Grav 12=1679(LC 1), 2=1764(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3277/250, 3-4=-4533/439, 4-5=-3719/376, 5-6=-3359/355, 6-8=-3477/349, 8-9=-3449/350, 9-10=-2091/211
BOT CHORD 2-22=-303/2865, 4-19=-107/1233, 18-19=-404/3991, 17-18=-329/3932, 16-17=-329/3932, 8-16=-390/126, 12-13=-171/1557
WEBS 3-22=-1212/208, 19-22=-338/3103, 3-19=-99/1130, 4-18=-1221/183, 5-18=-84/1364, 6-18=-830/120, 6-17=0/319, 6-16=-604/48, 13-16=-138/1913, 9-16=-207/2224, 9-13=-836/142, 10-13=0/462, 10-12=-2113/244

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 32-10-0, Zone3 32-10-0 to 36-11-8, Zone1 36-11-8 to 41-8-4 zone;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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 2.



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

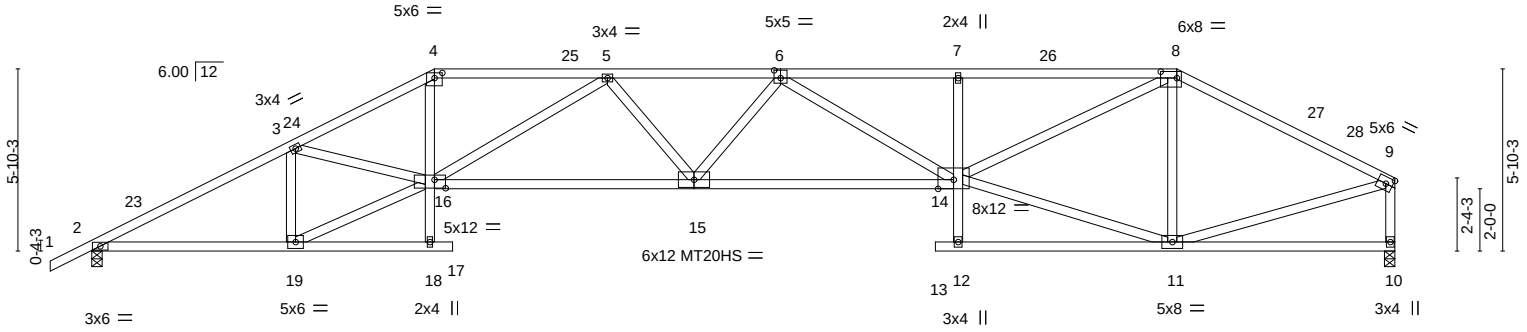
September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	A17	HIP	1	1	T38524553
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:30 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-Jf8U9?ZzdzL?8ywh8sXlQMnU8dAc7ww8Lj84AjyeLrN

1-4-0	6-4-12	11-0-0	16-6-11	22-1-5	27-8-0	34-10-0	41-10-0
1-4-0	6-4-12	4-7-4	5-6-11	5-6-11	5-6-11	7-2-0	7-0-0

Scale = 1:74.0



6-4-12	11-0-0	19-4-0	27-8-0	34-10-0	41-10-0
6-4-12	4-7-4	8-4-0	8-4-0	7-2-0	7-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	-0.44	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.94	14-15	>533	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.39	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.27	15	>999	240	Weight: 239 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*
15-16,14-15: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 16-18, 12-14

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=104(LC 12)
Max Uplift 2=-47(LC 9), 10=-50(LC 8)
Max Grav 2=1764(LC 1), 10=1680(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3280/217, 3-4=-4413/305, 4-5=-3849/291, 5-6=-4916/315, 6-7=-4453/323, 7-8=-4425/331, 8-9=-2093/164, 9-10=-1614/156
BOT CHORD 2-19=-197/2869, 4-16=-50/1674, 15-16=-265/4749, 14-15=-270/4931, 7-14=-419/132
WEBS 3-19=-1143/147, 16-19=-203/3080, 3-16=-45/1076, 5-16=-1173/162, 5-15=0/362, 6-14=-600/67, 11-14=-89/1763, 8-14=-201/2980, 8-11=-861/141, 9-11=-72/1777

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 34-10-0, Zone2 34-10-0 to 39-0-15, Zone1 39-0-15 to 41-8-4 zone;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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.

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

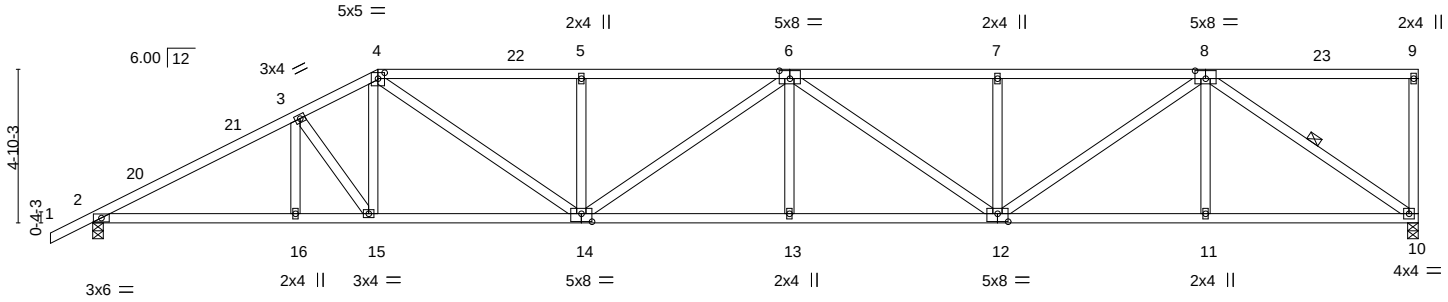
September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	A18	HALF HIP	1	1	T38524554
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:30 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-Jf8U9?ZzdzL?8ywh8sXlQMnV0d8x7zq8Lj84AjyeLrN

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

Scale = 1:72.7



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

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.90	Vert(LL)	-0.32	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.66	13-14	>759	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.19	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.21	13-14	>999	240	Weight: 233 lb	FT = 20%

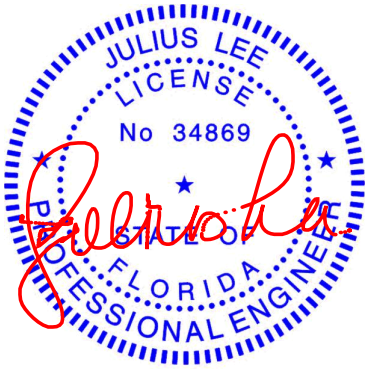
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 10=0-4-0, 2=0-4-0
Max Horz 2=136(LC 12)
Max Uplift 10=-132(LC 9), 2=-77(LC 9)
Max Grav 10=1666(LC 1), 2=1749(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3237/217, 3-4=-2970/230, 4-5=-3613/278, 5-6=-3613/278, 6-7=-3344/263, 7-8=-3344/263
BOT CHORD 2-16=-263/2828, 15-16=-263/2828, 14-15=-215/2599, 13-14=-301/3854, 12-13=-301/3853, 11-12=-166/2092, 10-11=-166/2092
WEBS 3-15=-359/85, 4-15=-8/388, 4-14=-130/1307, 5-14=-418/130, 6-14=-360/51, 6-13=0/261, 6-12=-620/53, 7-12=-385/118, 8-12=-119/1524, 8-11=0/283, 8-10=-2515/199

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 41-8-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 10=132.



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

September 15,2025

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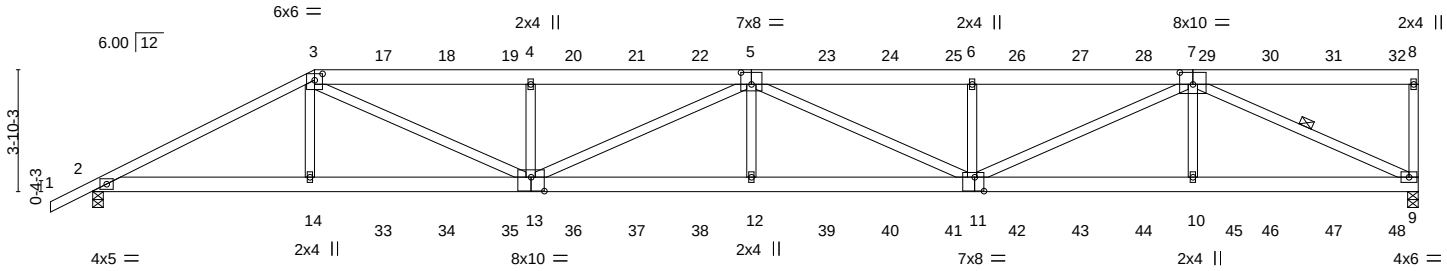
Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	A19	HALF HIP GIRDER	1	2	T38524555
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:33 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-kEpcn0cswuja?PfGq_5S2_P0oqBRKJDa1hNkn1yeLrK

1-4-0	7-0-0	13-9-14	20-9-7	27-9-1	34-8-10	41-10-0
1-4-0	7-0-0	6-9-14	6-11-10	6-11-10	6-11-10	7-1-6

Scale = 1:72.7



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

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

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	0.86	Vert(LL)	-0.38	12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.76	12-13	>654	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.15	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.27	12	>999	240	Weight: 547 lb	FT = 20%

LUMBER-

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

BRACING-

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

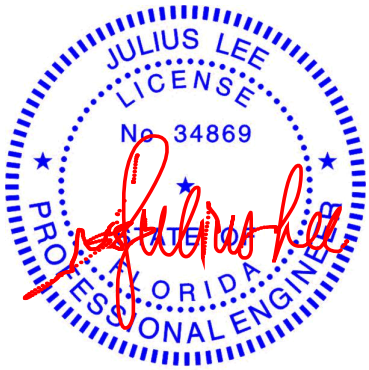
REACTIONS. (size) 9=0-4-0, 2=0-4-0
Max Horz 2=107(LC 8)
Max Uplift 9=-351(LC 5), 2=-271(LC 5)
Max Grav 9=3729(LC 1), 2=3584(LC 1)

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

TOP CHORD	2-3=-7473/611, 3-4=-10356/955, 4-5=-10348/952, 5-6=-10193/955, 6-7=-10174/949, 8-9=-404/136
BOT CHORD	2-14=-564/6614, 13-14=-572/6587, 12-13=-1076/11565, 11-12=-1076/11565, 10-11=-612/6499, 9-10=-612/6499
WEBS	3-14=0/776, 3-13=-456/4294, 4-13=-974/330, 5-13=-1376/147, 5-12=0/601, 5-11=-1523/134, 6-11=-798/285, 7-11=-375/4095, 7-10=0/632, 7-9=-7133/670

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=351, 2=271.



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Date:

September 15,2025

Continued on page 2

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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 378 lb down and 213 lb up at 7-0-0, 121 lb down and 81 lb up at 9-0-12, 121 lb down and 81 lb up at 11-0-12, 121 lb down and 81 lb up at 13-0-12, 121 lb down and 81 lb up at 15-0-12, 121 lb down and 81 lb up at 17-0-12, 121 lb down and 81 lb up at 19-0-12, 121 lb down and 81 lb up at 21-0-12, 121 lb down and 81 lb up at 23-0-12, 121 lb down and 81 lb up at 25-0-12, 121 lb down and 81 lb up at 27-0-12, 121 lb down and 81 lb up at 29-0-12, 121 lb down and 81 lb up at 31-0-12, 121 lb down and 81 lb up at 33-0-12, 121 lb down and 81 lb up at 35-0-12, 121 lb down and 81 lb up at 37-0-12, and 121 lb down and 81 lb up at 39-0-12, and 132 lb down and 78 lb up at 41-0-12 on top chord, and 325 lb down at 7-0-0, 89 lb down at 9-0-12, 89 lb down at 11-0-12, 89 lb down at 13-0-12, 89 lb down at 15-0-12, 89 lb down at 17-0-12, 89 lb down at 19-0-12, 89 lb down at 21-0-12, 89 lb down at 23-0-12, 89 lb down at 25-0-12, 89 lb down at 27-0-12, 89 lb down at 29-0-12, 89 lb down at 31-0-12, 89 lb down at 33-0-12, 89 lb down at 35-0-12, 89 lb down at 37-0-12, and 89 lb down at 39-0-12, and 96 lb down at 41-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

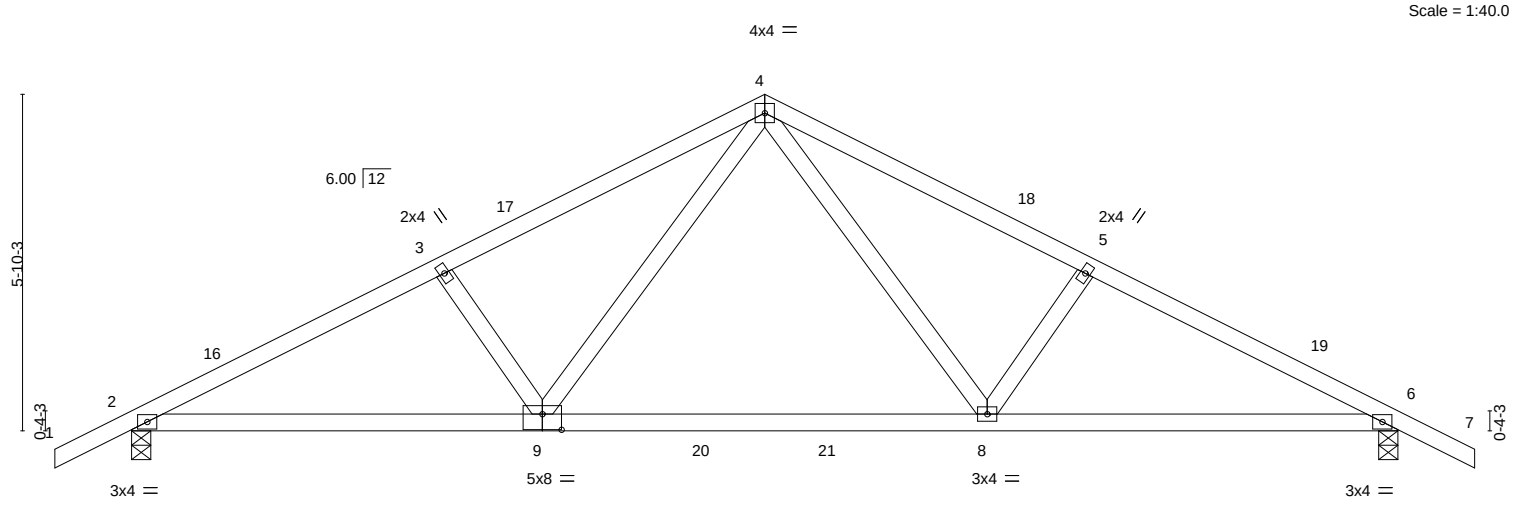
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-8=-60, 2-9=-20
   Concentrated Loads (lb)
   Vert: 3=-331(F) 14=-325(F) 5=-121(F) 12=-69(F) 17=-121(F) 18=-121(F) 19=-121(F) 20=-121(F) 21=-121(F) 22=-121(F) 23=-121(F) 24=-121(F) 25=-121(F) 26=-121(F) 27=-121(F) 28=-121(F) 29=-121(F) 30=-121(F) 31=-121(F) 32=-132(F) 33=-69(F) 34=-69(F) 35=-69(F) 36=-69(F) 37=-69(F) 38=-69(F) 39=-69(F) 40=-69(F) 41=-69(F) 42=-69(F) 43=-69(F) 44=-69(F) 45=-69(F) 46=-69(F) 47=-69(F) 48=-72(F)

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	B1	COMMON	9	1	T38524556
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:39 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-YOBt24gdVkTkjK6QAFCsIFf8oFGFk9OTPcq2_hyeLrE

-1-4-0 | 5-5-3 | 11-0-0 | 16-6-13 | 22-0-0 | 23-4-0
1-4-0 | 5-5-3 | 5-6-13 | 5-6-13 | 5-5-3 | 1-4-0

Scale = 1:40.0



7-1-10 | 14-10-6 | 22-0-0
7-1-10 | 7-8-12 | 7-1-10

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.11	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.48	8-9	>549	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.03	9-12	>999	240	Weight: 102 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-5 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=-66(LC 10)
Max Grav 2=1250(LC 2), 6=1250(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2233/0, 3-4=-2096/0, 4-5=-2096/0, 5-6=-2233/0
BOT CHORD 2-9=0/1984, 8-9=0/1288, 6-8=0/1955
WEBS 4-8=0/959, 5-8=-310/166, 4-9=0/959, 3-9=-310/166

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 23-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-60, 9-10=-20, 8-9=-80, 8-13=-20
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-7=-50, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-20, 9-10=-40, 8-9=-100, 8-13=-40
4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60

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LOAD CASE(S) Standard

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

5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=13, 2-17=18, 4-17=26, 4-19=18, 6-19=32, 6-7=47, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-21, 2-17=-26, 4-17=-35, 4-19=26, 6-19=40, 6-7=55

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

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

8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=13, 2-4=0, 4-6=11, 6-7=5, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-21, 2-4=-9, 4-6=19, 6-7=14

9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-4=11, 4-6=0, 6-7=13, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-14, 2-4=-19, 4-6=9, 6-7=21

10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-17, 2-4=-22, 4-6=-12, 6-7=-6, 9-10=-20, 8-9=-80, 8-13=-20
Horz: 1-2=-3, 2-4=2, 4-6=8, 6-7=14

11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-4=-12, 4-6=-22, 6-7=-17, 9-10=-20, 8-9=-80, 8-13=-20
Horz: 1-2=-14, 2-4=-8, 4-6=-2, 6-7=3

12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=13, 2-4=18, 4-6=9, 6-7=3, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-21, 2-4=-27, 4-6=17, 6-7=11

13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=3, 2-4=9, 4-6=18, 6-7=13, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-11, 2-4=-17, 4-6=27, 6-7=21

14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=13, 2-4=18, 4-6=9, 6-7=3, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-21, 2-4=-27, 4-6=17, 6-7=11

15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=3, 2-4=9, 4-6=18, 6-7=13, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-11, 2-4=-17, 4-6=27, 6-7=21

16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=1, 2-4=-4, 4-6=-14, 6-7=-9, 9-10=-20, 8-9=-80, 8-13=-20
Horz: 1-2=-21, 2-4=-16, 4-6=6, 6-7=11

17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-9, 2-4=-14, 4-6=-4, 6-7=1, 9-10=-20, 8-9=-80, 8-13=-20
Horz: 1-2=-11, 2-4=-6, 4-6=16, 6-7=21

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

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-48, 2-4=-52, 4-6=-44, 6-7=-40, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
Horz: 1-2=-2, 2-4=2, 4-6=6, 6-7=10

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-4=-44, 4-6=-52, 6-7=-48, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
Horz: 1-2=-10, 2-4=-6, 4-6=-2, 6-7=2

21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-34, 2-4=-38, 4-6=-46, 6-7=-41, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
Horz: 1-2=-16, 2-4=-12, 4-6=4, 6-7=9

Continued on page 3

LOAD CASE(S) Standard

22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-41, 2-4=-46, 4-6=-38, 6-7=-34, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
Horz: 1-2=-9, 2-4=-4, 4-6=12, 6-7=16

23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-4=-25, 4-7=-25, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-16, 2-4=16, 4-7=-16

24) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=8, 4-7=8, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-4=-16, 4-7=16

25) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-20, 9-10=-20, 8-9=-80, 8-13=-20

26) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-60, 9-10=-20, 8-9=-80, 8-13=-20

27) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-7=-20, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35

28) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-50, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	B1X	COMMON SUPPORTED GAB	1	1	T38524557
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:40 2025 Page 1
ID:BVCPOonomzIvFXJ68ELDtZyqIf8-0alGFQhFG2baLUhckyj5qTCPlfmqTfBceGZbX7yeLrD

-1-4-0 1-4-0 | 1-9-7 1-9-7 | 1-11-1 0-1-9 | 11-0-0 9-1-0 | 20-0-15 9-0-15 | 20-2-9 0-1-9 | 22-0-0 1-9-7 | 23-4-0 1-4-0

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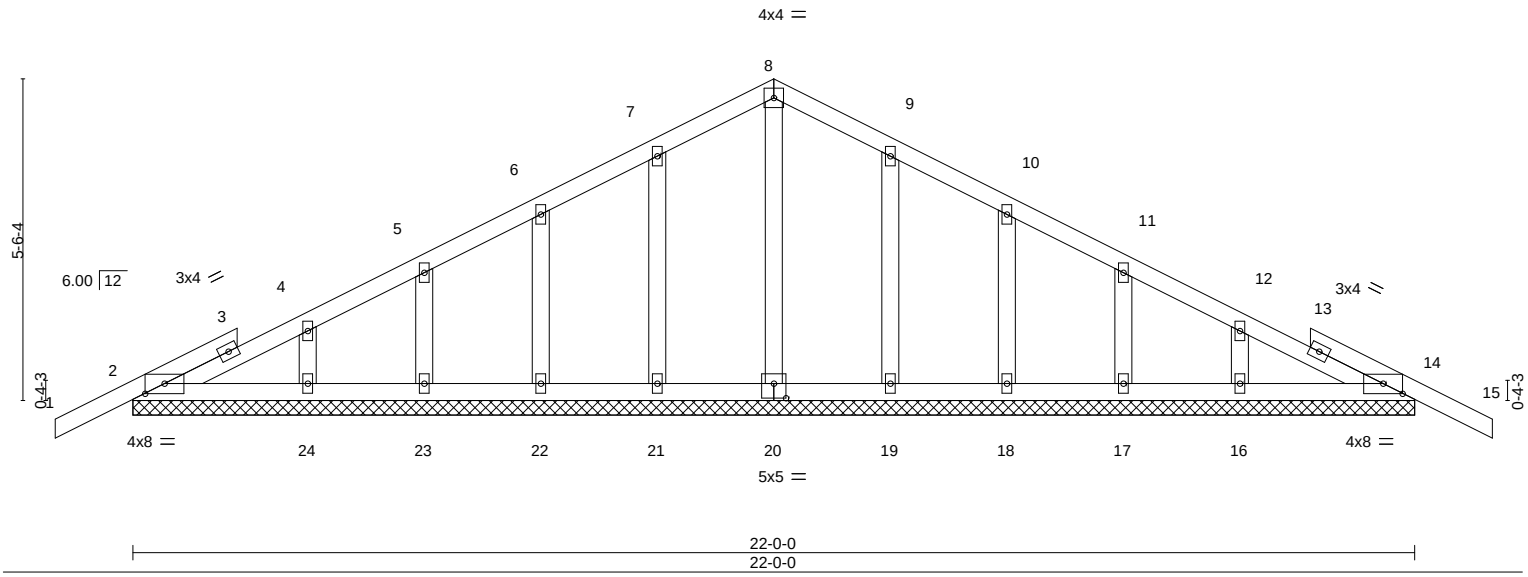


Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [14:0-4-0,0-2-1], [20:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 115 lb	FT = 20%

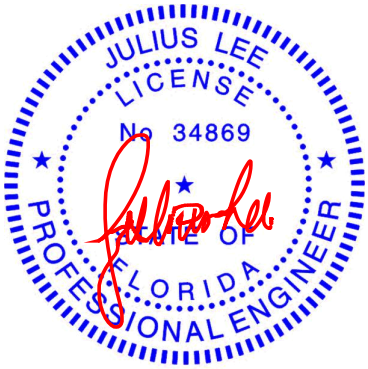
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz 2=63(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 22, 23, 24, 19, 18, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 22, 23, 24, 19, 18, 17, 16

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 21, 22, 23, 24, 19, 18, 17, 16.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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

September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	CJ1	CORNER JACK	4	1	T38524558
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:40 2025 Page 1
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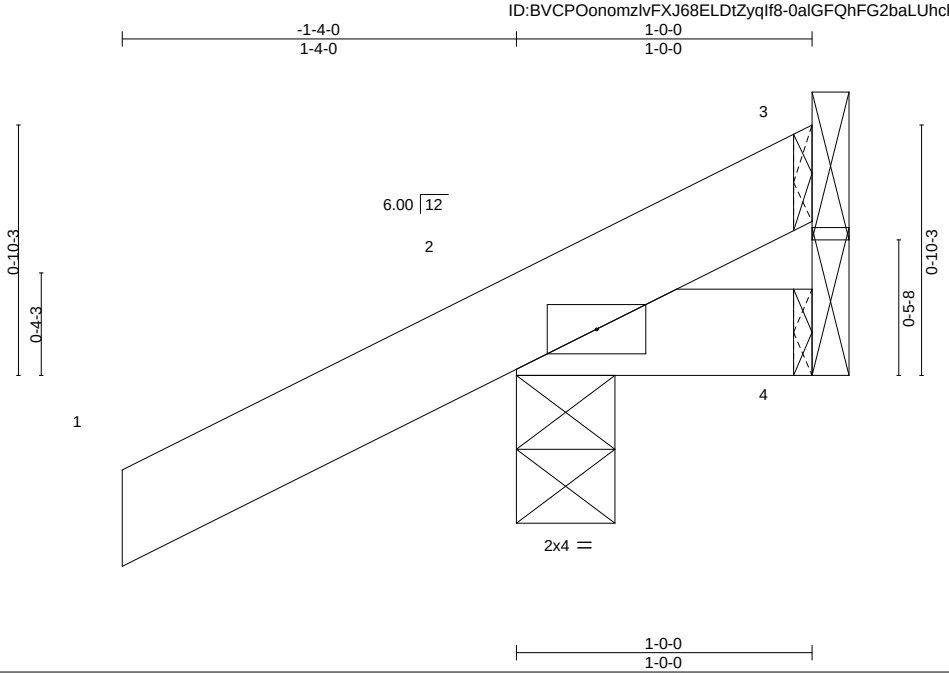

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	0.00	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	0.00	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		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=27(LC 12)
Max Uplift 3=-1(LC 1), 2=-32(LC 12), 4=-14(LC 1)
Max Grav 3=8(LC 8), 2=174(LC 1), 4=13(LC 8)

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	CJ1D	CORNER JACK	2	1	T38524559
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:41 2025 Page 1
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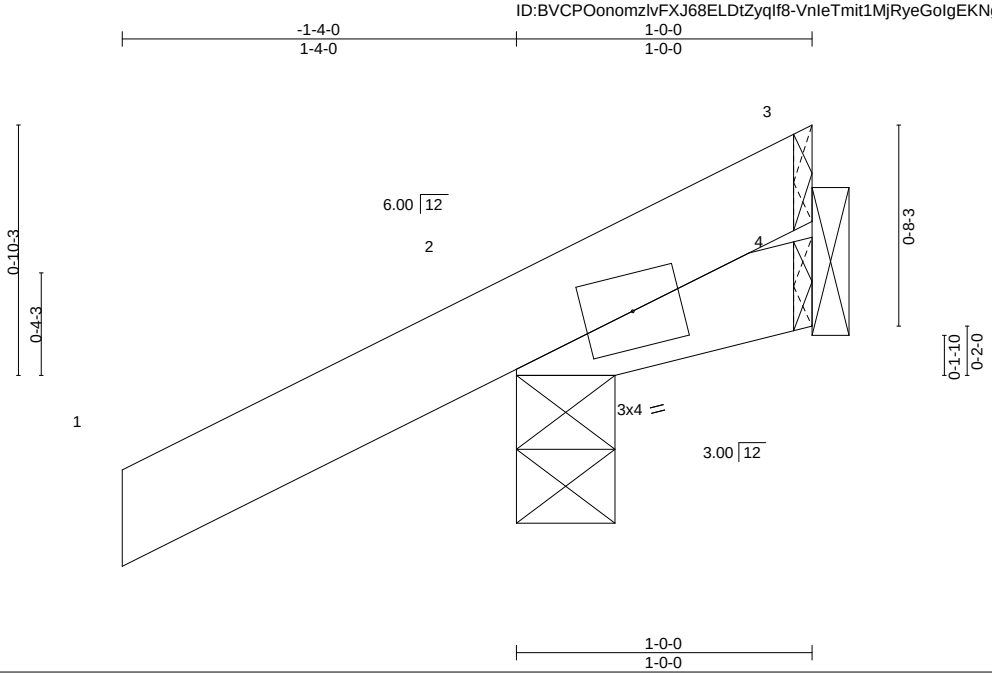


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	0.00	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	0.00	5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP		Wind(LL)	-0.00	5	>999	240	Weight: 6 lb	FT = 20%

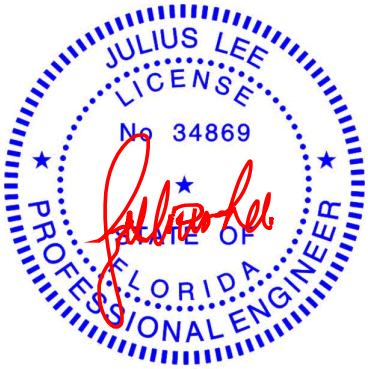
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 2=0-4-0, 4=Mechanical
Max Horz 2=27(LC 12)
Max Uplift 2=-30(LC 12), 4=-21(LC 1)
Max Grav 2=173(LC 1), 4=21(LC 8)

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.



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

September 15,2025

MiTek®
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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	CJ3	CORNER JACK	4	1	T38524560
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:41 2025 Page 1
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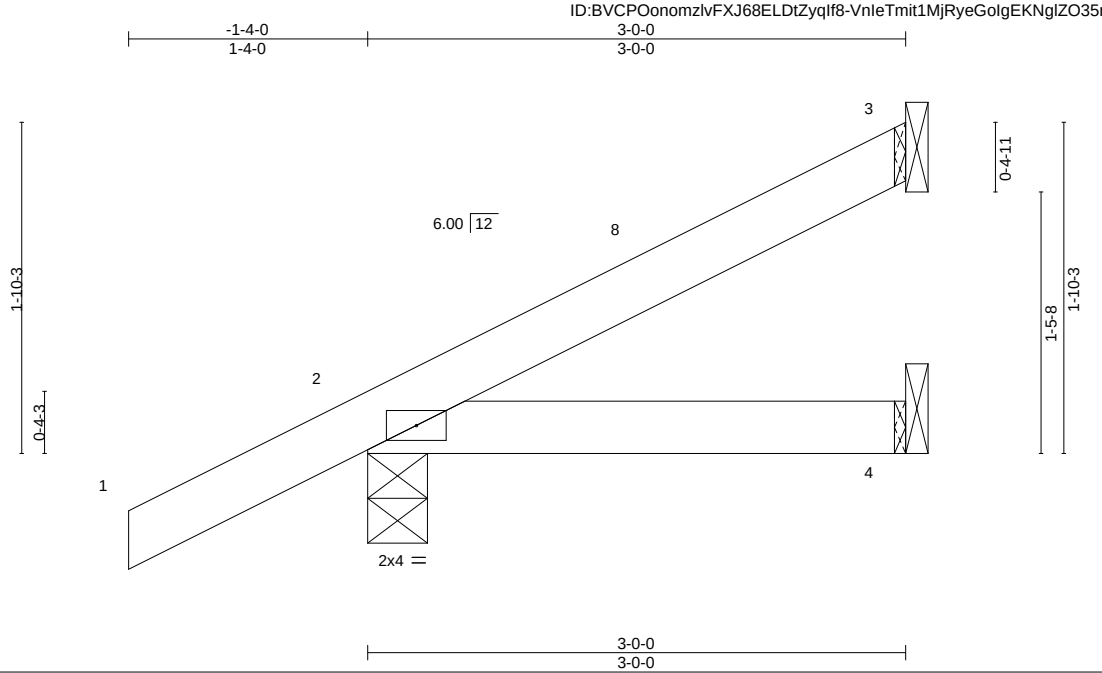


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014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

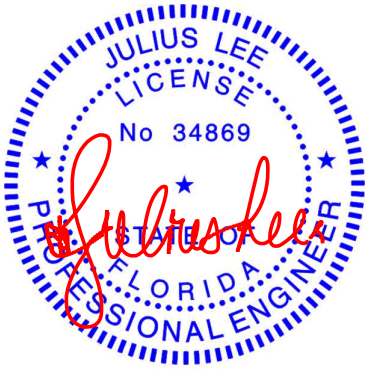
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=0-4-0, 4=Mechanical
Max Horz 2=54(LC 12)
Max Uplift 3=-24(LC 12), 2=-22(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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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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Date:

September 15,2025

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Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame T38524561
6252281	CJ3A	CORNER JACK	2	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:42 2025 Page 1
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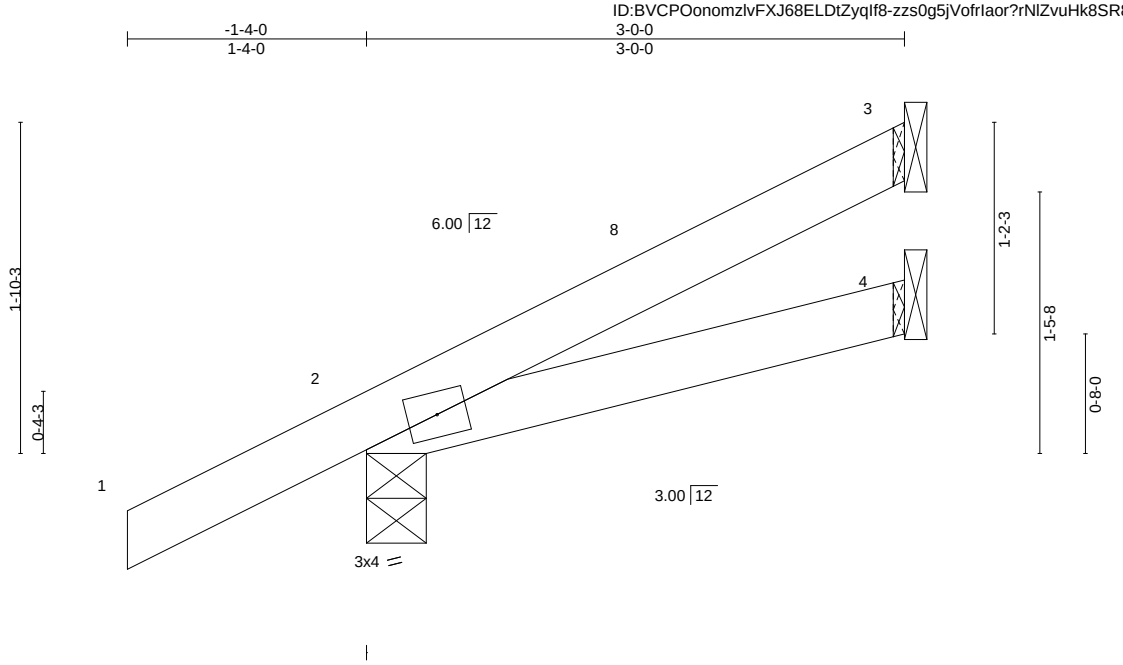


LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014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

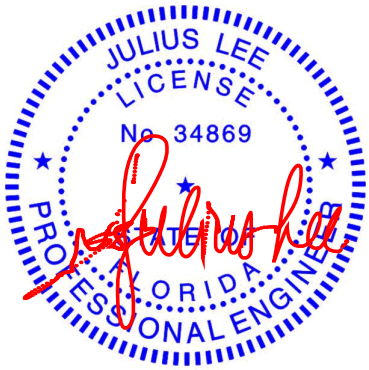
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=0-4-0, 4=Mechanical
Max Horz 2=54(LC 12)
Max Uplift 3=-23(LC 12), 2=-20(LC 12)
Max Grav 3=66(LC 1), 2=216(LC 1), 4=50(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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

September 15,2025

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	CJ5	CORNER JACK	4	1	T38524562
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:42 2025 Page 1
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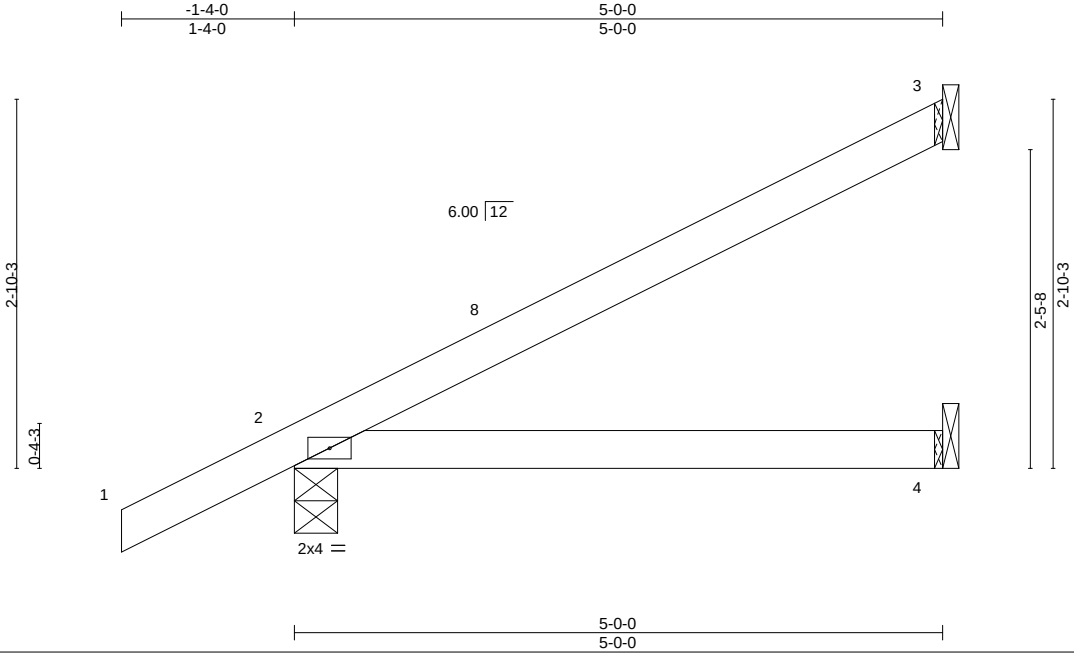


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.02	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.06	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014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

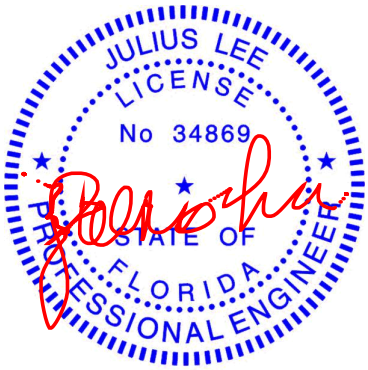
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=0-4-0, 4=Mechanical
Max Horz 2=81(LC 12)
Max Uplift 3=-46(LC 12), 2=-19(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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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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Date:

September 15,2025

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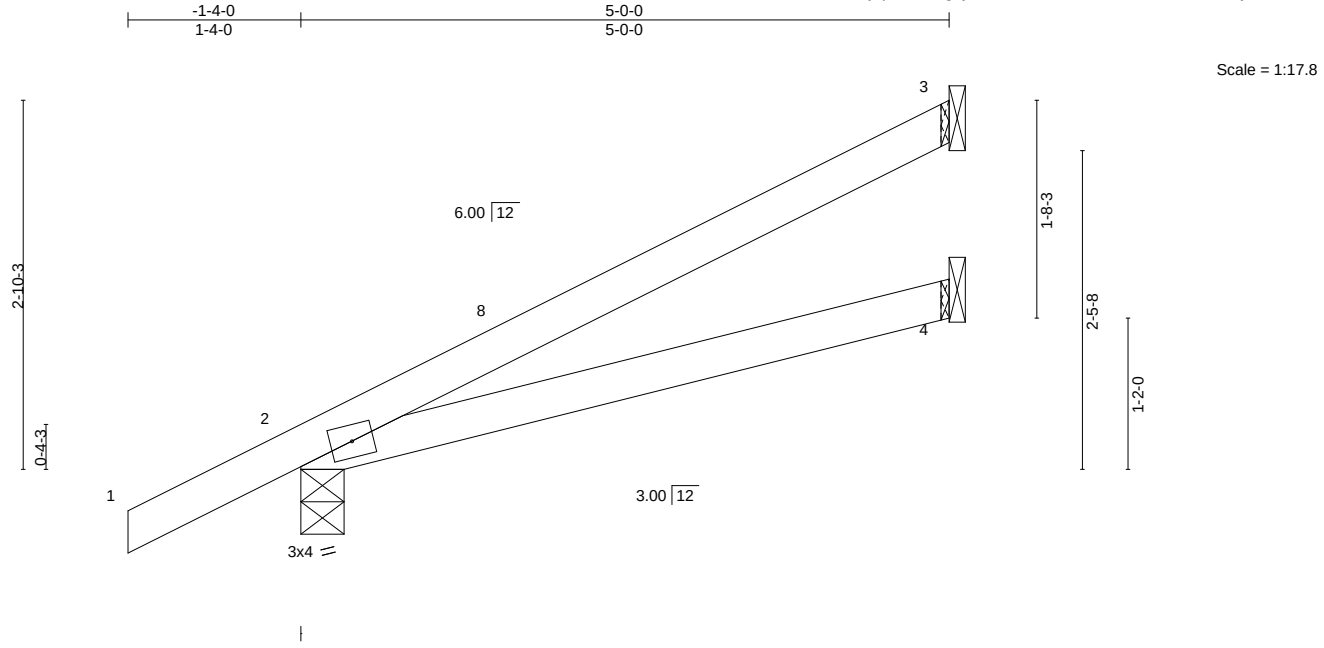
Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	CJ5A	CORNER JACK	2	1	T38524563
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:42 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-zzs0g5jVofrIaor?rNlZvuHhHSPRxZTv5a2ib0yeLrB



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.02	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	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%

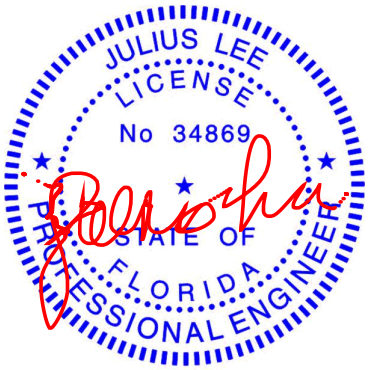
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=0-4-0, 4=Mechanical
Max Horz 2=81(LC 12)
Max Uplift 3=-45(LC 12), 2=-18(LC 12)
Max Grav 3=124(LC 1), 2=288(LC 1), 4=89(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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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September 15,2025

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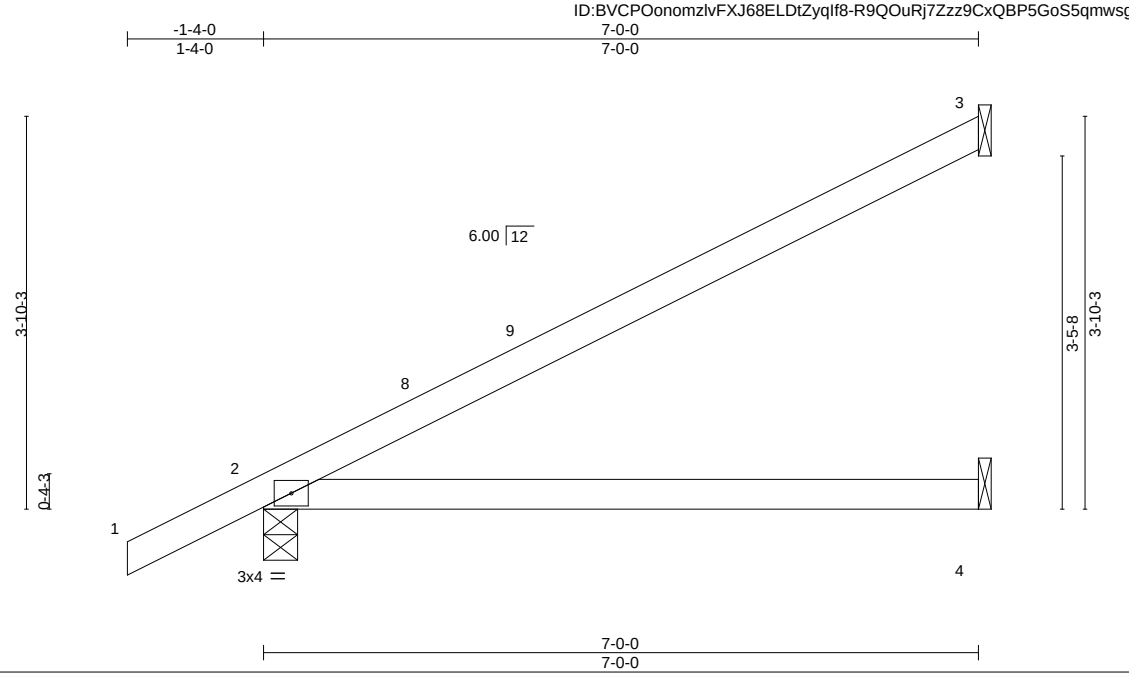
Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	EJ1	JACK-OPEN	32	1	T38524564
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:43 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-R9QOuRj7Zzz9CxQBP5GoS5qmwsg2g0j3KEoG7SyeLrA



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)	0.10	4-7	>856	240	Weight: 24 lb	FT = 20%

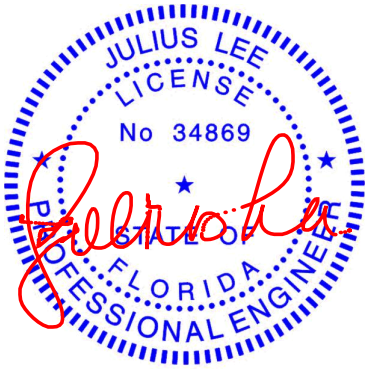
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=107(LC 12)
Max Uplift 3=-67(LC 12), 2=-18(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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 6-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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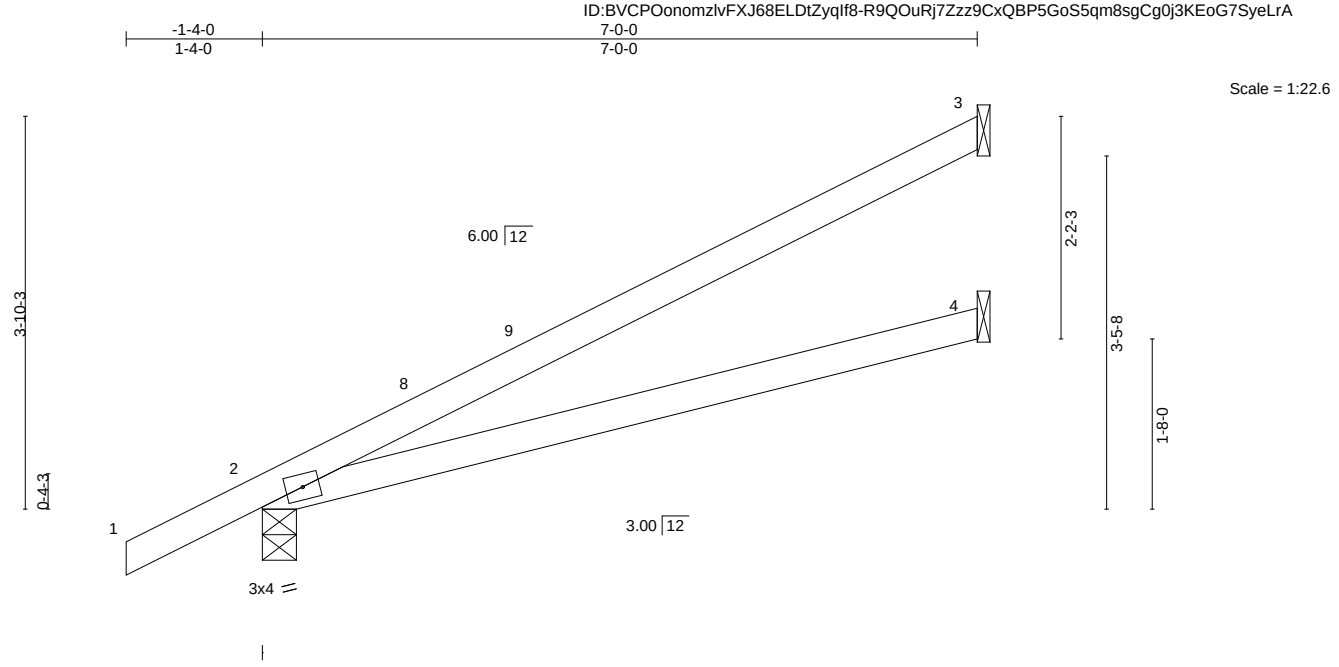
Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame T38524565
6252281	EJ2	JACK-OPEN	3	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:43 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-R9QOuRj7Zzz9CxQBP5GoS5qm8sgCg0j3KEoG7SyeLrA



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.10	4-7	>815	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.24	4-7	>345	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.11	4-7	>765	240	Weight: 25 lb	FT = 20%

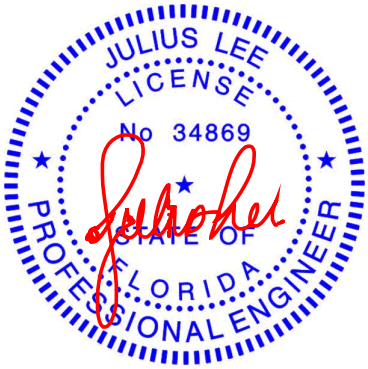
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=107(LC 12)
Max Uplift 3=-66(LC 12), 2=-17(LC 12)
Max Grav 3=180(LC 1), 2=365(LC 1), 4=127(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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September 15,2025

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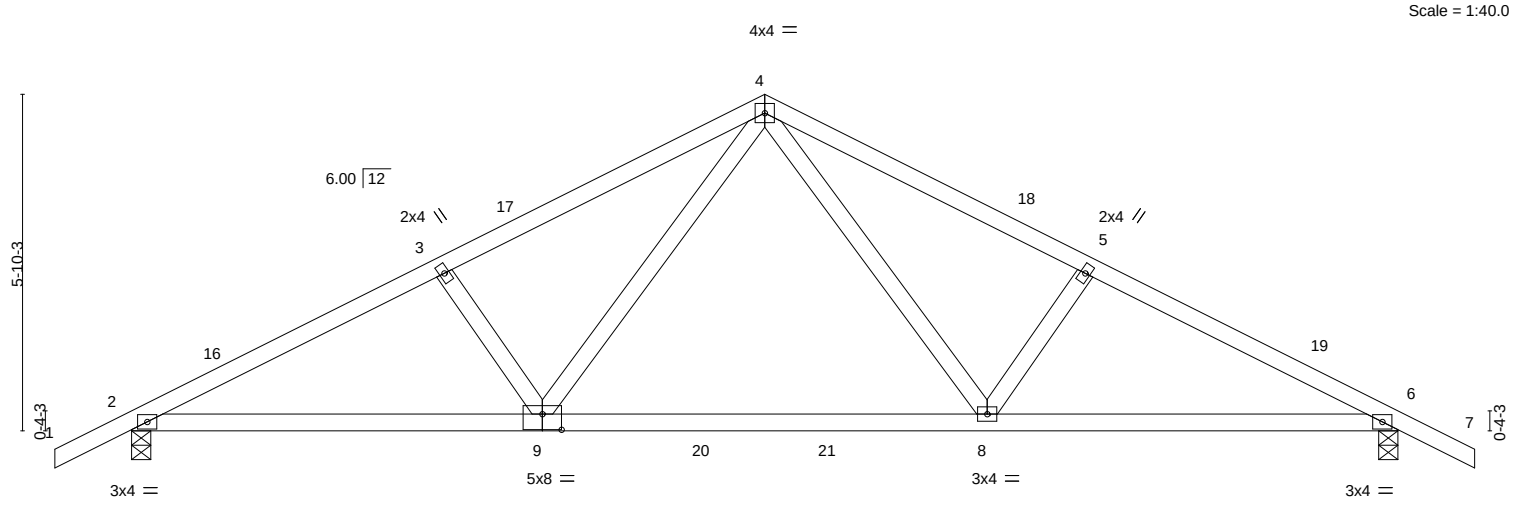
Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame	
6252281	EJ7A	COMMON	1	1	Job Reference (optional)	T38524566

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:44 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-vM_m5nkmKH50p5_Nzon1?JN_XG_QPQdCZuXpgvyeLr9

-1-4-0 | 5-5-3 | 11-0-0 | 16-6-13 | 22-0-0 | 23-4-0
1-4-0 | 5-5-3 | 5-6-13 | 5-6-13 | 5-5-3 | 1-4-0

Scale = 1:40.0



7-1-10 | 14-10-6 | 22-0-0
7-1-10 | 7-8-12 | 7-1-10

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.11	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.48	8-9	>549	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.03	9-12	>999	240	Weight: 102 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-5 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=-66(LC 10)
Max Grav 2=1250(LC 2), 6=1250(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2233/0, 3-4=-2096/0, 4-5=-2096/0, 5-6=-2233/0
BOT CHORD 2-9=0/1984, 8-9=0/1288, 6-8=0/1955
WEBS 4-8=0/959, 5-8=-310/166, 4-9=0/959, 3-9=-310/166

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 23-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-60, 9-10=-20, 8-9=-80, 8-13=-20
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-7=-50, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-20, 9-10=-40, 8-9=-100, 8-13=-40
4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60

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Date: September 15,2025

Continued on page 2

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LOAD CASE(S) Standard

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

5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=13, 2-17=18, 4-17=26, 4-19=18, 6-19=32, 6-7=47, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-21, 2-17=-26, 4-17=-35, 4-19=26, 6-19=40, 6-7=55

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

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

8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=13, 2-4=0, 4-6=11, 6-7=5, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-21, 2-4=-9, 4-6=19, 6-7=14

9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-4=11, 4-6=0, 6-7=13, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-14, 2-4=-19, 4-6=9, 6-7=21

10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-17, 2-4=-22, 4-6=-12, 6-7=-6, 9-10=-20, 8-9=-80, 8-13=-20
Horz: 1-2=-3, 2-4=2, 4-6=8, 6-7=14

11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-4=-12, 4-6=-22, 6-7=-17, 9-10=-20, 8-9=-80, 8-13=-20
Horz: 1-2=-14, 2-4=-8, 4-6=-2, 6-7=3

12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=13, 2-4=18, 4-6=9, 6-7=3, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-21, 2-4=-27, 4-6=17, 6-7=11

13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=3, 2-4=9, 4-6=18, 6-7=13, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-11, 2-4=-17, 4-6=27, 6-7=21

14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=13, 2-4=18, 4-6=9, 6-7=3, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-21, 2-4=-27, 4-6=17, 6-7=11

15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=3, 2-4=9, 4-6=18, 6-7=13, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-11, 2-4=-17, 4-6=27, 6-7=21

16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=1, 2-4=-4, 4-6=-14, 6-7=-9, 9-10=-20, 8-9=-80, 8-13=-20
Horz: 1-2=-21, 2-4=-16, 4-6=6, 6-7=11

17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-9, 2-4=-14, 4-6=-4, 6-7=1, 9-10=-20, 8-9=-80, 8-13=-20
Horz: 1-2=-11, 2-4=-6, 4-6=16, 6-7=21

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

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-48, 2-4=-52, 4-6=-44, 6-7=-40, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
Horz: 1-2=-2, 2-4=2, 4-6=6, 6-7=10

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-4=-44, 4-6=-52, 6-7=-48, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
Horz: 1-2=-10, 2-4=-6, 4-6=-2, 6-7=2

21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-34, 2-4=-38, 4-6=-46, 6-7=-41, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
Horz: 1-2=-16, 2-4=-12, 4-6=4, 6-7=9

Continued on page 3

LOAD CASE(S) Standard

22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-41, 2-4=-46, 4-6=-38, 6-7=-34, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35
Horz: 1-2=-9, 2-4=-4, 4-6=12, 6-7=16

23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-4=-25, 4-7=-25, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-2=-16, 2-4=16, 4-7=-16

24) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=8, 4-7=8, 9-10=-12, 8-9=-72, 8-13=-12
Horz: 1-4=-16, 4-7=16

25) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-20, 9-10=-20, 8-9=-80, 8-13=-20

26) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-60, 9-10=-20, 8-9=-80, 8-13=-20

27) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-50, 4-7=-20, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35

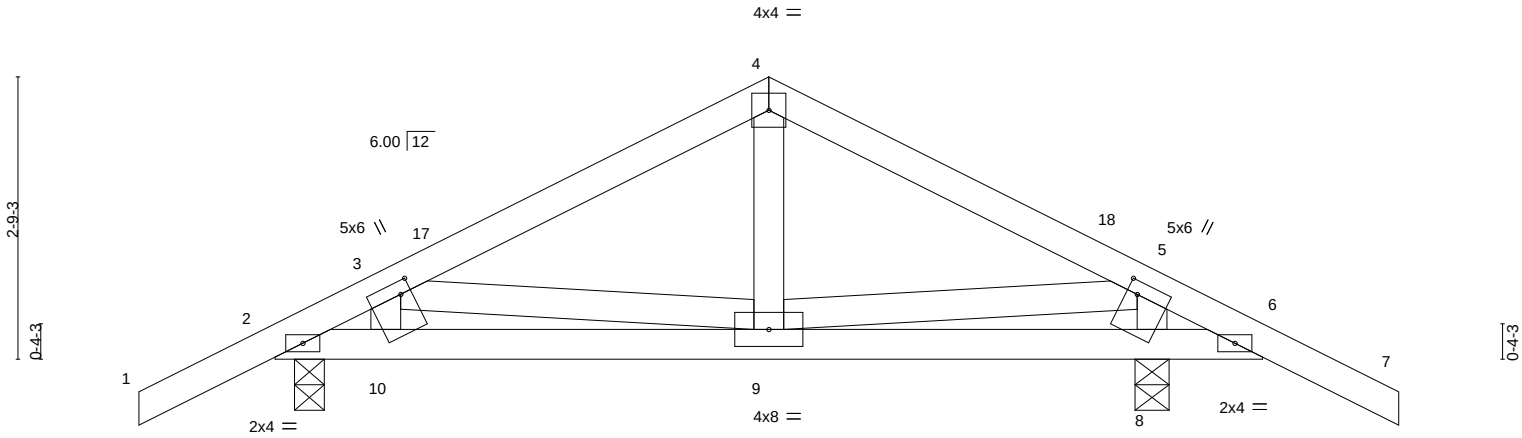
28) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 4-7=-50, 9-10=-35, 9-20=-95, 20-21=-110, 8-21=-95, 8-13=-35

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame T38524567
6252281	F1	Common	3	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:44 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-vM_m5nkmKH50p5_Nzon1?JN2HG6lPSaCZuXpgvyeLr9

-1-4-0 1-1-0 4-10-0 8-7-0 9-8-0 11-0-0
1-4-0 1-1-0 3-9-0 3-9-0 1-1-0 1-4-0

Scale = 1:22.6



0-2-4 1-1-0 4-10-0 8-7-0 8-9-0 9-8-0
0-2-4 0-10-12 3-9-0 3-9-0 0-2-0 0-11-0

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

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	0.20	Vert(LL)	-0.01	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.02	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.01	9-10	>999	240	Weight: 50 lb	FT = 20%

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

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

REACTIONS. (size) 8=0-4-0, 2=0-3-8
Max Horz 2=33(LC 11)
Max Uplift 8=-75(LC 9), 2=-66(LC 9)
Max Grav 8=525(LC 1), 2=408(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-526/333, 3-4=-353/210, 4-5=-358/199, 5-6=-259/186
BOT CHORD 2-10=-278/495, 9-10=-278/495, 8-9=-121/287, 6-8=-121/287
WEBS 5-9=-324/396, 5-8=-492/372

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 4-10-0, Zone2 4-10-0 to 9-1-8, Zone1 9-1-8 to 11-0-0 zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame	T38524568
6252281	F1X	GABLE	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:45 2025 Page 1
ID:BVCPOonomzlvFXJ68ELDtZyqIf8-NYY9I7lO5aDtRFZaXWIGXWvFMgT48wsLnYHMCLyeLr8

-1-4-0	1-10-7	2-0-1	4-10-0	7-8-0	7-9-9	9-8-0	11-0-0
1-4-0	1-10-7	0-1-9	2-10-0	2-10-0	0-1-9	1-10-7	1-4-0

Scale = 1:22.6

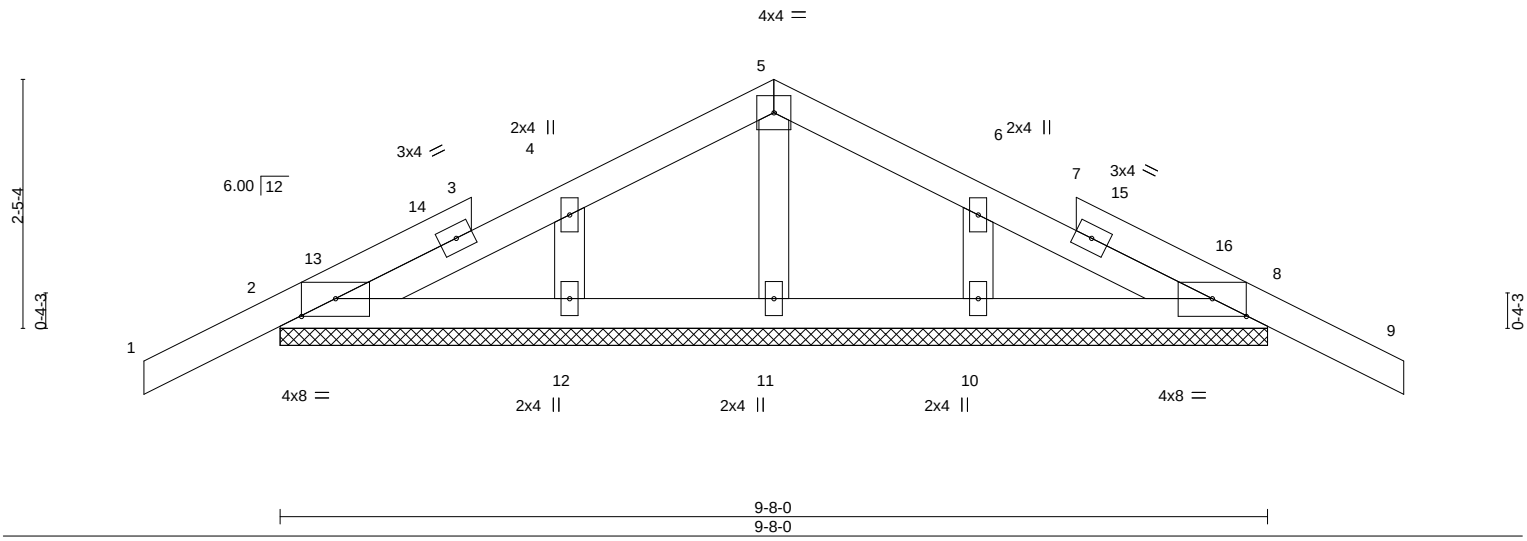


Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [8:0-4-0,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 45 lb	FT = 20%

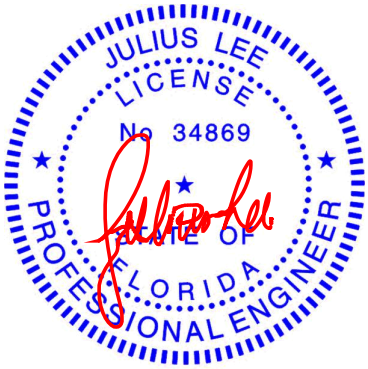
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 9-8-0.
(lb) - Max Horz 2=-30(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11, 12, 10

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; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 4-10-0, Zone2 4-10-0 to 9-0-15, Zone1 9-0-15 to 11-0-0 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 12, 10.



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Date:

September 15,2025

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Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame	T38524569
6252281	HJ1	DIAGONAL HIP GIRDER	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:45 2025 Page 1
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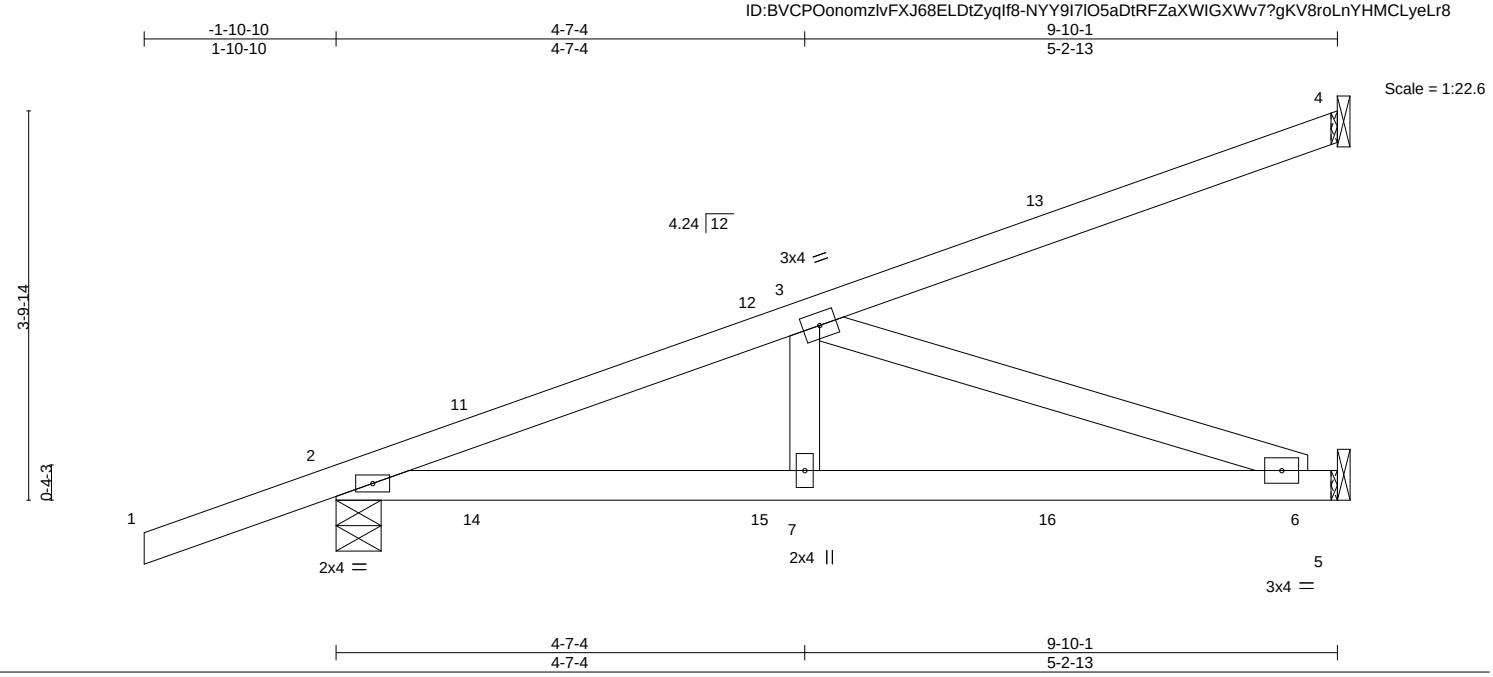


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.05	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.12	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Wind(LL)	0.02	6-7	>999	240	Weight: 43 lb	FT = 20%

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

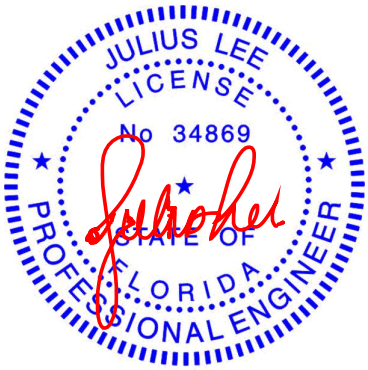
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-5-5, 5=Mechanical
Max Horz 2=119(LC 4)
Max Uplift 4=-112(LC 4), 2=-93(LC 4)
Max Grav 4=295(LC 1), 2=414(LC 1), 5=285(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-723/35
BOT CHORD 2-7=-100/671, 6-7=-100/671
WEBS 3-6=-708/106

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); 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 except (jt=lb) 4=112.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 21 lb down and 77 lb up at 1-4-15, 21 lb down and 77 lb up at 1-4-15, 11 lb down and 27 lb up at 4-2-15, 11 lb down and 27 lb up at 4-2-15, 34 lb down and 56 lb up at 7-0-14, and 34 lb down and 56 lb up at 7-0-14, and 136 lb down and 75 lb up at 9-9-5 on top chord, and 61 lb up at 1-4-15, 61 lb up at 1-4-15, 6 lb down and 2 lb up at 4-2-15, 6 lb down and 2 lb up at 4-2-15, and 31 lb down at 7-0-14, and 31 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 4=-136(B) 11=72(F=36, B=36) 13=-68(F=-34, B=-34) 14=82(F=41, B=41) 15=4(F=2, B=2) 16=-52(F=-26, B=-26)



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Date:

September 15,2025

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	HJ2	DIAGONAL HIP GIRDER	1	1	T38524570
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:46 2025 Page 1
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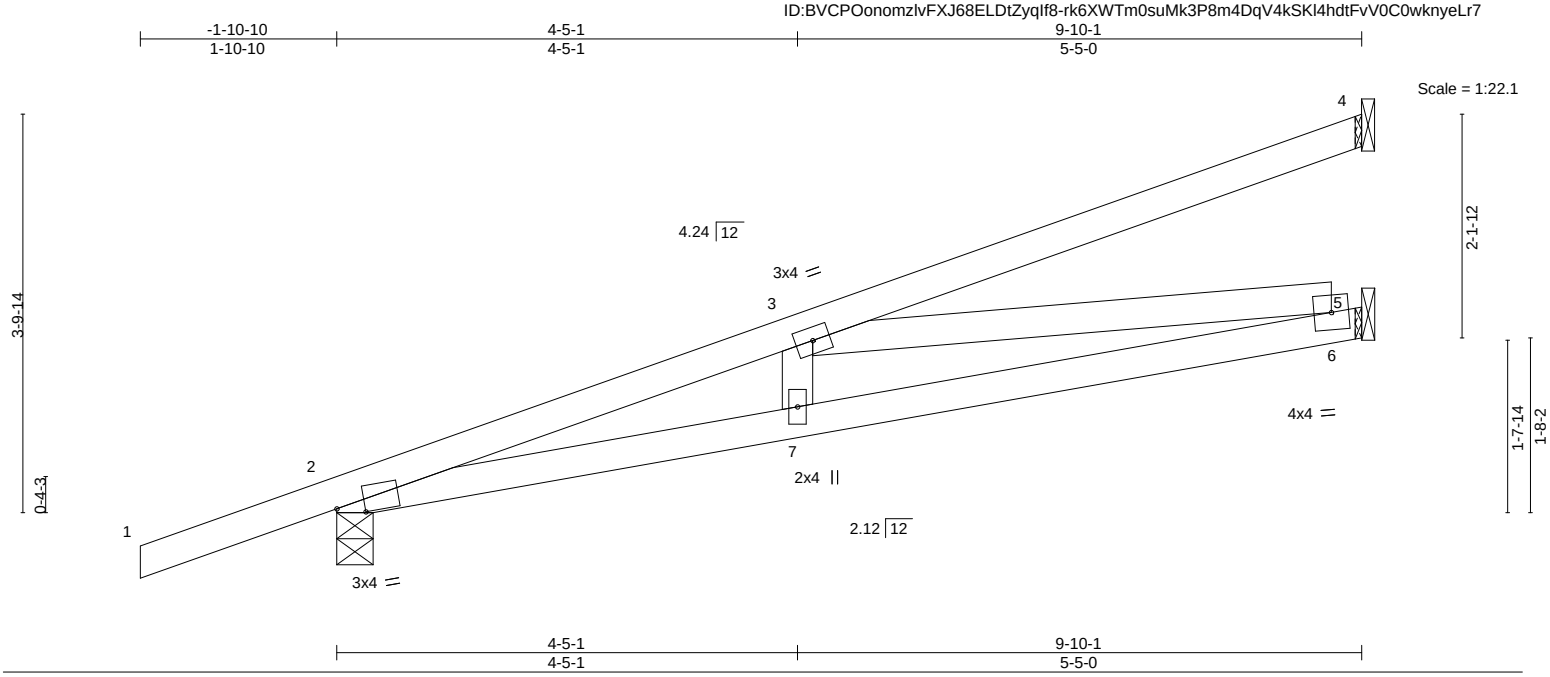

Plate Offsets (X,Y)-- [2:0-3-4,0-0-15]

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)	-0.05	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.12	6-7	>975	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.04	6-7	>999	240	Weight: 42 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-3, 5=Mechanical
Max Horz 2=119(LC 4)
Max Uplift 4=-49(LC 4), 2=-80(LC 4)
Max Grav 4=141(LC 1), 2=515(LC 1), 5=239(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1217/76
BOT CHORD 2-7=-141/1144, 6-7=-147/1147
WEBS 3-6=-1124/138

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.

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Date:

September 15,2025

Job	Truss	Truss Type	Qty	Ply	2265-B-2 Car Frame
6252281	PB1	Piggyback	6	1	T38524571
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Sep 3 2025 MiTek Industries, Inc. Fri Sep 12 14:10:46 2025 Page 1
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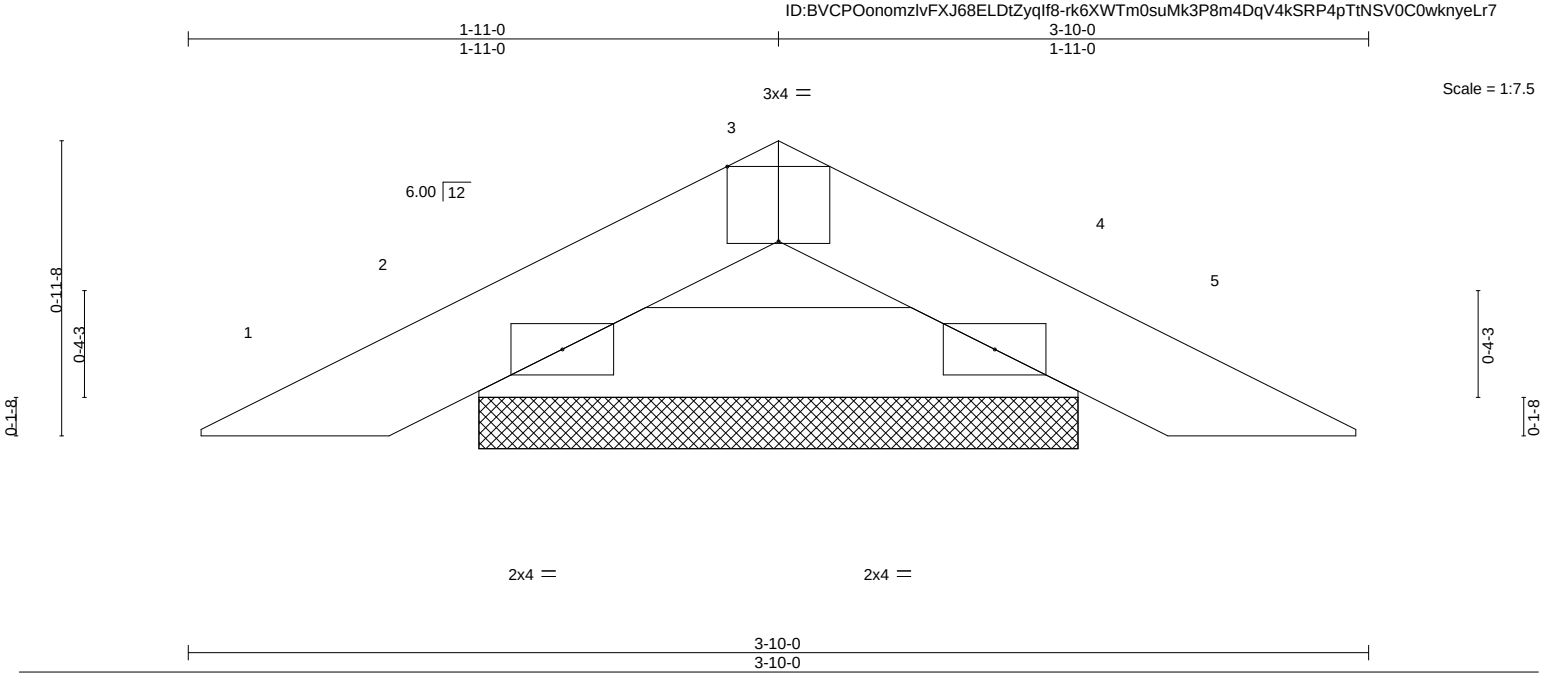


Plate Offsets (X,Y)-- [3:0-2-0,Edge]

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

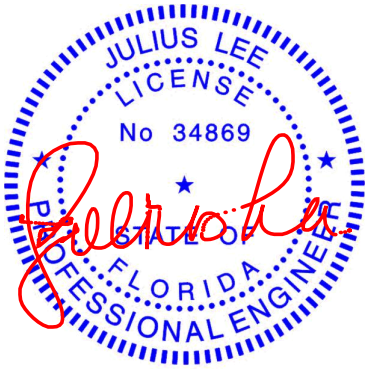
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 2=1-11-6, 4=1-11-6
Max Horz 2=-8(LC 10)
Max Uplift 2=-12(LC 12), 4=-12(LC 13)
Max Grav 2=114(LC 1), 4=114(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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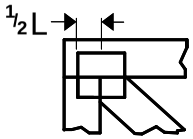
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

September 15,2025

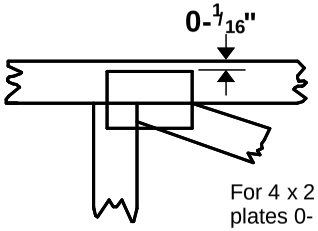
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

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.

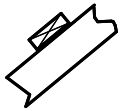
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

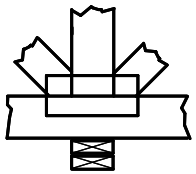
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

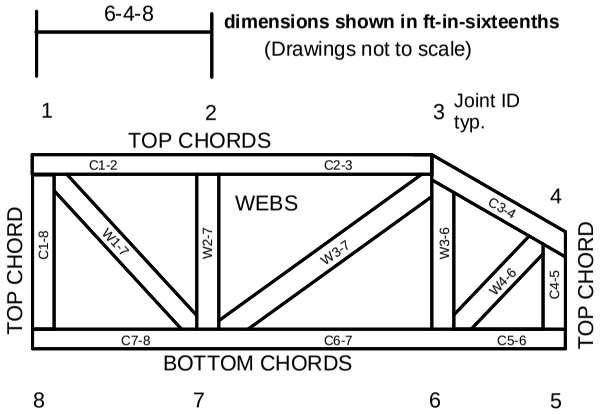


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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.