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

RE: 6243065 - 2508-A-2 Car

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

Site Information:

Customer Info: Adams Homes-Gainesville Project Name: The Preserve @ Laurel Lake 092 , Model: 2508-A-2 Car
Lot/Block: 092 Subdivision: The Preserve @ Laurel Lake
Address: 777 SW Rosemary Dr , 777 SW Rosemary D
City: Lake City State: Fl

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

Name: License #:
Address:
City: State:

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

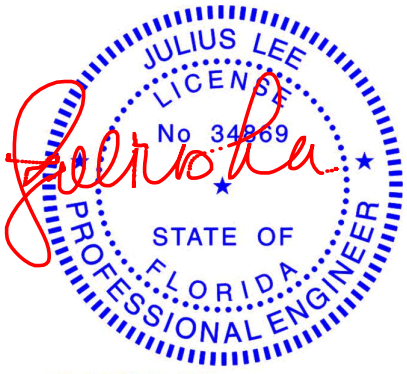
Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 44 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	T35469227	A01	11/5/24	23	T35469249	B03	11/5/24
2	T35469228	A02	11/5/24	24	T35469250	B04	11/5/24
3	T35469229	A03	11/5/24	25	T35469251	B05	11/5/24
4	T35469230	A04	11/5/24	26	T35469252	C1	11/5/24
5	T35469231	A05	11/5/24	27	T35469253	C1E	11/5/24
6	T35469232	A06	11/5/24	28	T35469254	C1V	11/5/24
7	T35469233	A07	11/5/24	29	T35469255	C3	11/5/24
8	T35469234	A08	11/5/24	30	T35469256	C3V	11/5/24
9	T35469235	A09	11/5/24	31	T35469257	C5	11/5/24
10	T35469236	A10	11/5/24	32	T35469258	C5V	11/5/24
11	T35469237	A11	11/5/24	33	T35469259	E01	11/5/24
12	T35469238	A12	11/5/24	34	T35469260	E02	11/5/24
13	T35469239	A13	11/5/24	35	T35469261	E3E	11/5/24
14	T35469240	A14	11/5/24	36	T35469262	E7	11/5/24
15	T35469241	A15	11/5/24	37	T35469263	E7V	11/5/24
16	T35469242	A16	11/5/24	38	T35469264	H7	11/5/24
17	T35469243	A17	11/5/24	39	T35469265	H7V	11/5/24
18	T35469244	A18	11/5/24	40	T35469266	HJ3E	11/5/24
19	T35469245	A19	11/5/24	41	T35469267	PB1	11/5/24
20	T35469246	A20	11/5/24	42	T35469268	PB2	11/5/24
21	T35469247	B01	11/5/24	43	T35469269	PB3	11/5/24
22	T35469248	B02	11/5/24	44	T35469270	PB4	11/5/24

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, 2025.



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

November 6,2024

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

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A01	Half Hip Girder	1	2	T35469227
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:14 2024 Page 1
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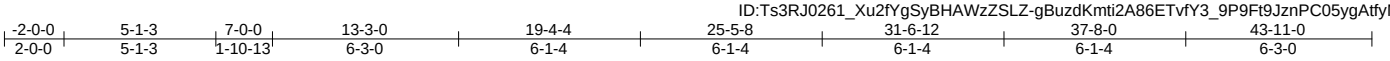

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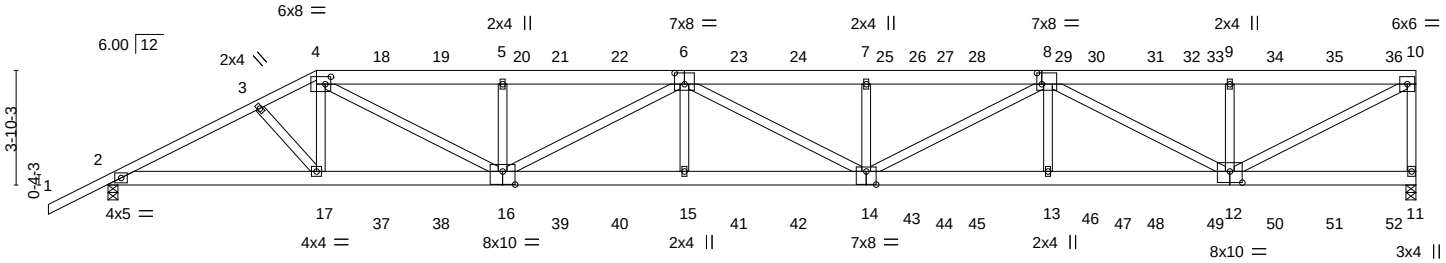


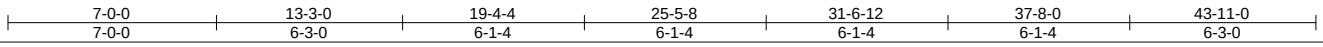


Plate Offsets (X,Y)-- [4:0-2-4,0-3-0], [6:0-4-0,0-4-8], [8:0-2-0,0-4-8], [12:0-5-0,0-4-8], [14:0-4-0,0-5-4], [16:0-5-0,0-5-4]

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	0.44	Vert(LL)	-0.41	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.84	14-15	>623	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.16	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.28	14-15	>999	240	Weight: 594 lb	FT = 20%

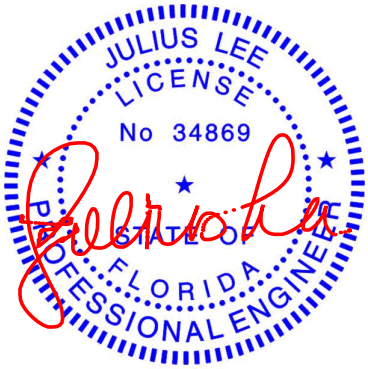
LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-4: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 14-16: 2x6 SP DSS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 11=0-4-0, 2=0-4-0
Max Horz 2=119(LC 27)
Max Uplift 11=-265(LC 8), 2=-253(LC 8)
Max Grav 11=3645(LC 1), 2=3509(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7002/392, 3-4=-6885/390, 4-5=-9885/669, 5-6=-9883/669, 6-7=-11398/808, 7-8=-11398/808, 8-9=-5712/412, 9-10=-5712/412, 10-11=-3492/333
BOT CHORD 2-17=-388/6170, 16-17=-354/6221, 15-16=-807/11569, 14-15=-807/11569, 13-14=-680/9459, 12-13=-680/9459
WEBS 4-17=0/617, 4-16=-359/4196, 5-16=-815/259, 6-16=-1953/158, 6-15=0/538, 7-14=-727/238, 8-14=-146/2217, 8-13=0/527, 8-12=-4285/307, 9-12=-792/266, 10-12=-465/6455

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 11 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 249 lb down and 169 lb up at 7-0-0, 122 lb down and 83 lb up at 9-0-12, 122 lb down and 83 lb up at 11-0-12, 122 lb down and 83 lb up at 13-0-12, 122 lb down and 83 lb up at 15-0-12, 122 lb down and 83 lb up at 17-0-12, 122 lb down and 83 lb up at 19-0-12, 122 lb down and 83 lb up at 21-0-12, 122 lb down and 83 lb up at 23-0-12, 122 lb down and 83 lb up at 25-0-12, 122 lb down and 83 lb up at 27-0-12, 122 lb down and 83 lb up at 29-0-12, 122 lb down and 83 lb up at 31-0-12, 122 lb down and 83 lb up at 33-0-12, 122 lb down and 83 lb up at 35-0-12, 122 lb down and 83 lb up at 37-0-12, 122 lb down and 83 lb up at 39-0-12, and 122 lb down and 83 lb up at 41-0-12, and 131 lb down and 80 lb up at 43-0-12 on top chord, and 310 lb down at 7-0-0, 95 lb down at 9-0-12, 95 lb down at 11-0-12, 95 lb down at 13-0-12, 95 lb down at 15-0-12, 95 lb down at 17-0-12, 95 lb down at 19-0-12, 95 lb down at 21-0-12, 95 lb down at 23-0-12, 95 lb down at 25-0-12, 95 lb down at 27-0-12, 95 lb down at 29-0-12, 95 lb down at 31-0-12, 95 lb down at 33-0-12, 95 lb down at 35-0-12, 95 lb down at 37-0-12, 95 lb down at 39-0-12, and 95 lb down at 41-0-12, and 101 lb down at 43-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-10=-60, 2-11=-20
   Concentrated Loads (lb)
   Vert: 4=-202(F) 17=-262(F) 16=-48(F) 5=-122(F) 6=-122(F) 15=-48(F) 18=-122(F) 19=-122(F) 21=-122(F) 22=-122(F) 23=-122(F) 24=-122(F) 25=-122(F) 26=-122(F) 28=-122(F) 29=-122(F) 30=-122(F) 31=-122(F) 33=-122(F) 34=-122(F) 35=-122(F) 36=-131(F) 37=-48(F) 38=-48(F) 39=-48(F) 40=-48(F) 41=-48(F) 42=-48(F) 43=-48(F) 44=-48(F) 45=-48(F) 46=-48(F) 47=-48(F) 48=-48(F) 49=-48(F) 50=-48(F) 51=-48(F) 52=-51(F)

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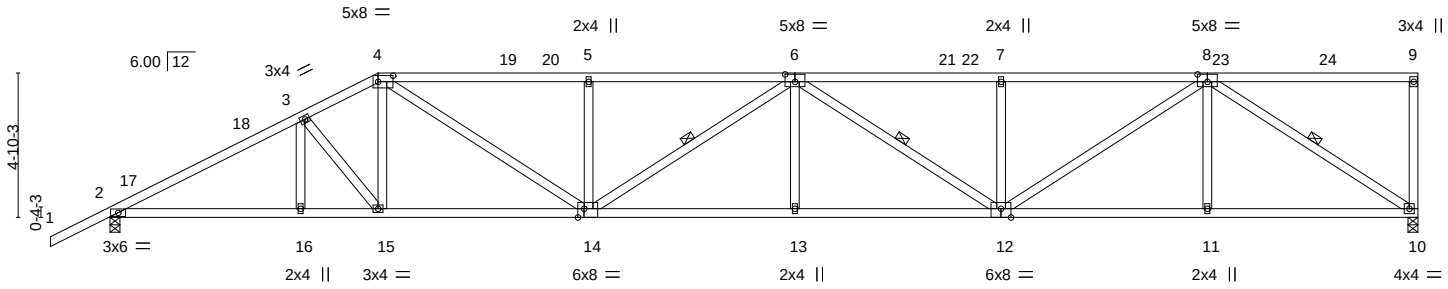
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A02	Half Hip	1	1	T35469228
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:15 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-8OSLrgnVTMI?kO26DGaDidiL_ZgKWqs9KcPjP6yMEFE

-2-0-0	6-4-12	9-0-0	16-0-14	22-11-15	29-11-1	36-10-2	43-11-0
2-0-0	6-4-12	2-7-3	7-0-14	6-11-2	6-11-2	6-11-2	7-0-14

Scale = 1:77.4



6-4-12	9-0-0	16-0-14	22-11-15	29-11-1	36-10-2	43-11-0
6-4-12	2-7-3	7-0-14	6-11-2	6-11-2	6-11-2	7-0-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	-0.34	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.69	13-14	>761	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.20	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.20	13	>999	240	Weight: 243 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
4-6: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
12-14: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-

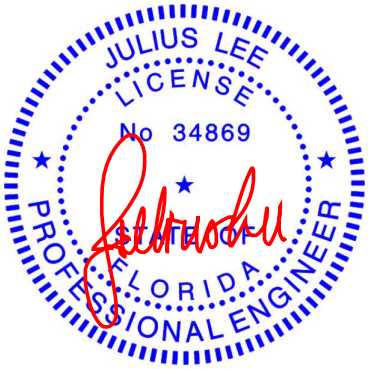
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-14, 6-12, 8-10

REACTIONS. (size) 10=0-4-0, 2=0-4-0
Max Horz 2=144(LC 12)
Max Uplift 10=-80(LC 12), 2=-133(LC 12)
Max Grav 10=1741(LC 1), 2=1877(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3340/213, 3-4=-3064/231, 4-5=-3923/274, 5-6=-3923/275, 6-7=-3670/232, 7-8=-3670/232
BOT CHORD 2-16=-261/2886, 15-16=-261/2886, 14-15=-216/2711, 13-14=-276/4212, 12-13=-276/4212, 11-12=-145/2302, 10-11=-145/2302
WEBS 3-15=-292/69, 4-15=0/362, 4-14=-80/1441, 5-14=-447/132, 6-14=-346/16, 6-13=0/275, 6-12=-649/52, 7-12=-407/111, 8-12=-106/1637, 8-11=0/299, 8-10=-2721/171

NOTES-

1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 43-9-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

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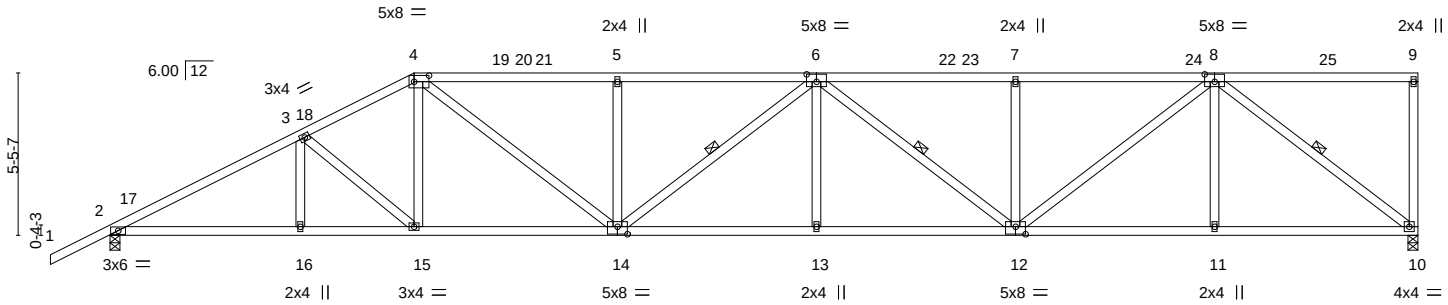
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A03	Half Hip	1	1	T35469229
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:15 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-8OSLrgnVTMI?kO26DGaDidiLtZe_Wrj9KcPjP6yMEFE

-2-0-0	6-4-11	10-2-8	17-0-7	23-8-10	30-4-14	37-1-1	43-11-0
2-0-0	6-4-11	3-9-13	6-9-15	6-8-3	6-8-3	6-8-3	6-9-15

Scale = 1:77.4



6-4-11	10-2-8	17-0-7	23-8-10	30-4-14	37-1-1	43-11-0
6-4-11	3-9-13	6-9-15	6-8-3	6-8-3	6-8-3	6-9-15

Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [6:0-4-0,0-3-0], [8:0-4-0,0-3-0], [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	0.74	Vert(LL)	-0.29	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.61	13-14	>860	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.20	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.18	13-14	>999	240	Weight: 251 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 4-6: 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 2-2-3 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 6-14, 6-12, 8-10

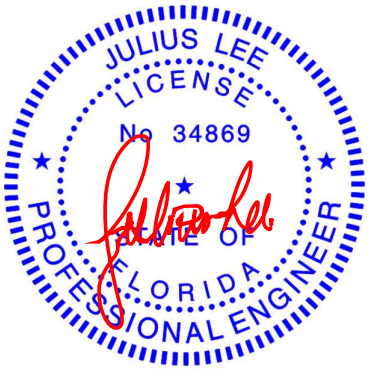
REACTIONS. (size) 10=0-4-0, 2=0-4-0
Max Horz 2=158(LC 12)
Max Uplift 10=-82(LC 12), 2=-132(LC 12)
Max Grav 10=1741(LC 1), 2=1877(LC 1)

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

TOP CHORD	2-3=-3343/209, 3-4=-2982/223, 4-5=-3543/257, 5-6=-3542/257, 6-7=-3177/207, 7-8=-3177/207
BOT CHORD	2-16=-273/2889, 15-16=-273/2889, 14-15=-218/2624, 13-14=-251/3700, 12-13=-251/3700, 11-12=-128/1973, 10-11=-128/1973
WEBS	3-15=-356/71, 4-15=0/381, 4-14=-61/1151, 5-14=-433/128, 6-13=0/265, 6-12=-661/55, 7-12=-393/107, 8-12=-102/1521, 8-11=0/289, 8-10=-2464/159

NOTES-

1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 10-2-8, Zone2 10-2-8 to 14-5-7, Zone1 14-5-7 to 43-9-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

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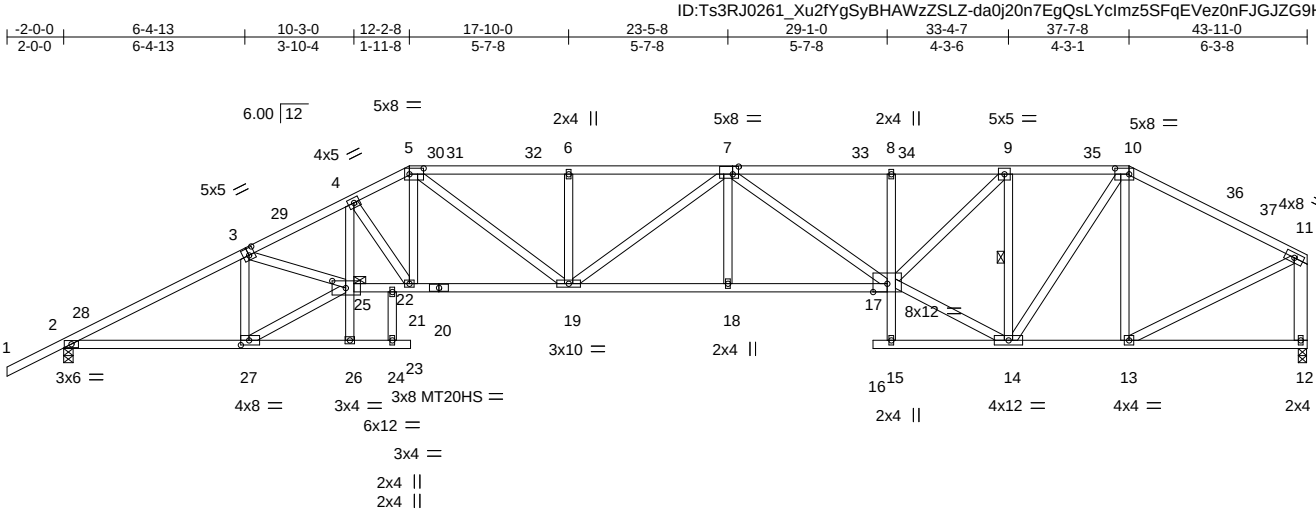
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A04	Hip	1	1	T35469230
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:16 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-da0j20n7EgQsLYcImz5SFqEVez0nFJGJZG9HxYyMEFD



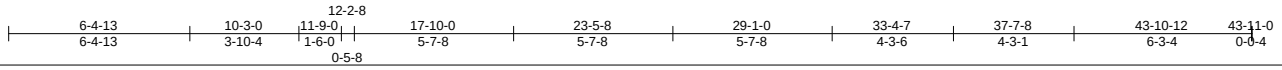


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [7:0-2-8,0-3-4], [10:0-6-0,0-2-8], [25:0-5-12,0-3-0], [27:0-3-8,0-2-0]

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	0.81	Vert(LL)	-0.43	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.87	18-19	>603	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.39	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.26	18-19	>999	240	Weight: 286 lb	FT = 20%

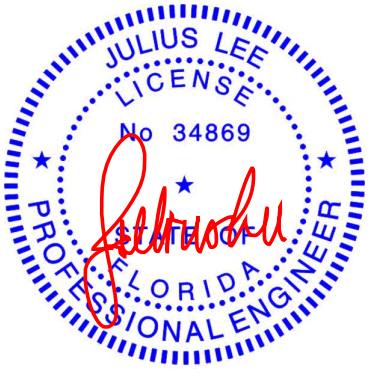
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
20-25,17-20: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2 *Except*
11-12: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 21-22, 15-17
WEBS 1 Row at midpt 9-14
JOINTS 1 Brace at Jt(s): 25

REACTIONS. (size) 2=0-4-0, 12=0-3-8
Max Horz 2=109(LC 12)
Max Uplift 2=-128(LC 12), 12=-70(LC 12)
Max Grav 2=1888(LC 1), 12=1750(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3375/207, 3-4=-4933/360, 4-5=-4102/312, 5-6=-4455/336, 6-7=-4455/336, 7-8=-4101/309, 8-9=-4070/308, 9-10=-2253/209, 10-11=-1791/153, 11-12=-1689/162
BOT CHORD 2-27=-212/2918, 4-25=-80/1220, 22-25=-286/4359, 21-22=-285/4359, 19-21=-212/3698, 18-19=-254/4606, 17-18=-254/4606, 8-17=-297/85, 13-14=-80/1512
WEBS 3-27=-1461/186, 25-27=-238/3217, 3-25=-71/1466, 4-21=-1183/128, 5-21=-39/1006, 5-19=-63/1053, 6-19=-347/107, 7-19=-295/3, 7-17=-651/37, 14-17=-134/2425, 9-17=-139/2576, 9-14=-2064/172, 10-14=-82/1341, 10-13=-623/106, 11-13=-80/1646

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 12-2-8, Zone2 12-2-8 to 16-5-7, Zone1 16-5-7 to 37-7-8, Zone2 37-7-8 to 41-10-7, Zone1 41-10-7 to 43-8-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

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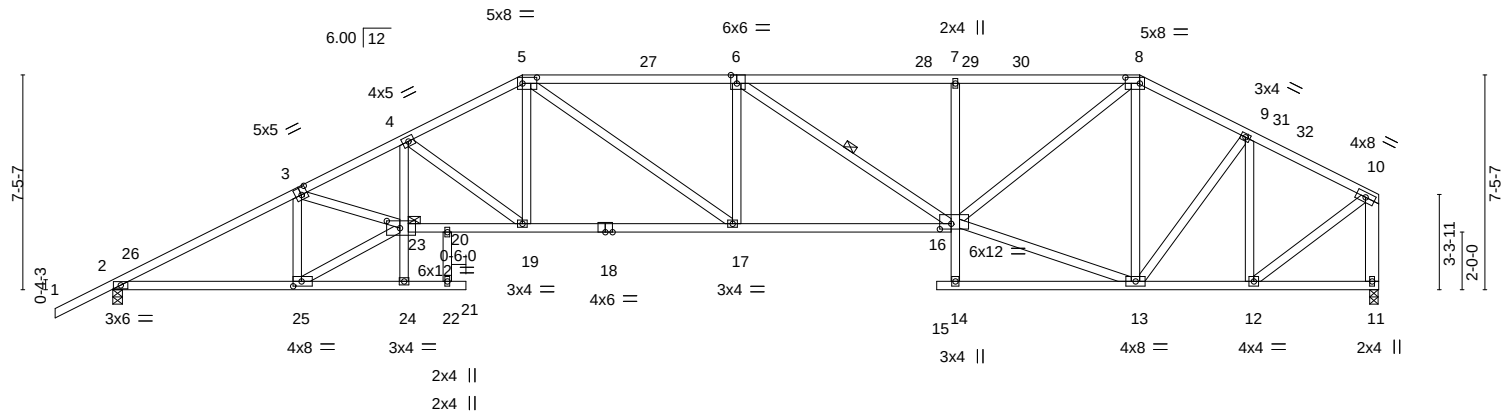
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A05	Hip	1	1	T35469231
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:17 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-5ma6GMol?zZjziBUKgchn2nhENL0_m8SnwuqU_yMEFC

-2-0-0	6-4-13	10-5-4	14-2-8	21-7-12	29-1-0	35-7-8	39-5-4	43-11-0
2-0-0	6-4-13	4-0-8	3-9-4	7-5-4	7-5-4	6-6-8	3-9-12	4-5-12

Scale = 1:79.9



6-4-13	10-3-0	11-9-0	14-2-8	21-7-12	29-1-0	35-7-8	39-5-4	43-10-12	43-11-0
6-4-13	3-10-4	1-6-0	2-5-8	7-5-4	7-5-4	6-6-8	3-9-12	4-5-8	0-0-4

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [6:0-2-8,Edge], [8:0-6-0,0-2-8], [16:0-4-12,0-2-4], [23:0-5-8,0-3-0], [25:0-3-8,0-2-0]

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	0.75	Vert(LL)	-0.32	17-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.68	17-19	>771	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.33	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.20	17-19	>999	240	Weight: 287 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
5-6: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
18-23,16-18: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2 *Except*
10-11: 2x6 SP No.2

BRACING-

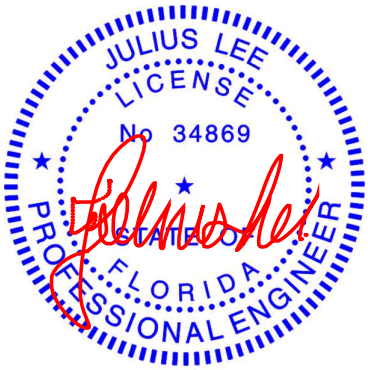
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 14-16
WEBS 1 Row at midpt 6-16
JOINTS 1 Brace at Jt(s): 23

REACTIONS. (size) 2=0-4-0, 11=0-3-8
Max Horz 2=109(LC 12)
Max Uplift 2=-128(LC 12), 11=-70(LC 12)
Max Grav 2=1888(LC 1), 11=1750(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3374/205, 3-4=-4929/356, 4-5=-3653/287, 5-6=-3770/307, 6-7=-3337/286, 7-8=-3321/288, 8-9=-1882/189, 9-10=-1509/130, 10-11=-1704/151
BOT CHORD 2-25=-210/2917, 4-23=-52/1208, 20-23=-289/4372, 19-20=-290/4370, 17-19=-174/3261, 16-17=-199/3770, 7-16=-437/129, 12-13=-80/1301
WEBS 3-25=-1450/179, 23-25=-227/3202, 3-23=-74/1469, 4-19=-1404/144, 5-19=-8/924, 5-17=-41/779, 6-17=-276/122, 6-16=-575/32, 13-16=-82/1642, 8-16=-135/2186, 8-13=-833/89, 9-13=0/609, 9-12=-863/102, 10-12=-95/1579

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 14-2-8, Zone2 14-2-8 to 18-5-7, Zone1 18-5-7 to 35-7-8, Zone2 35-7-8 to 39-10-7, Zone1 39-10-7 to 43-8-4 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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.



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

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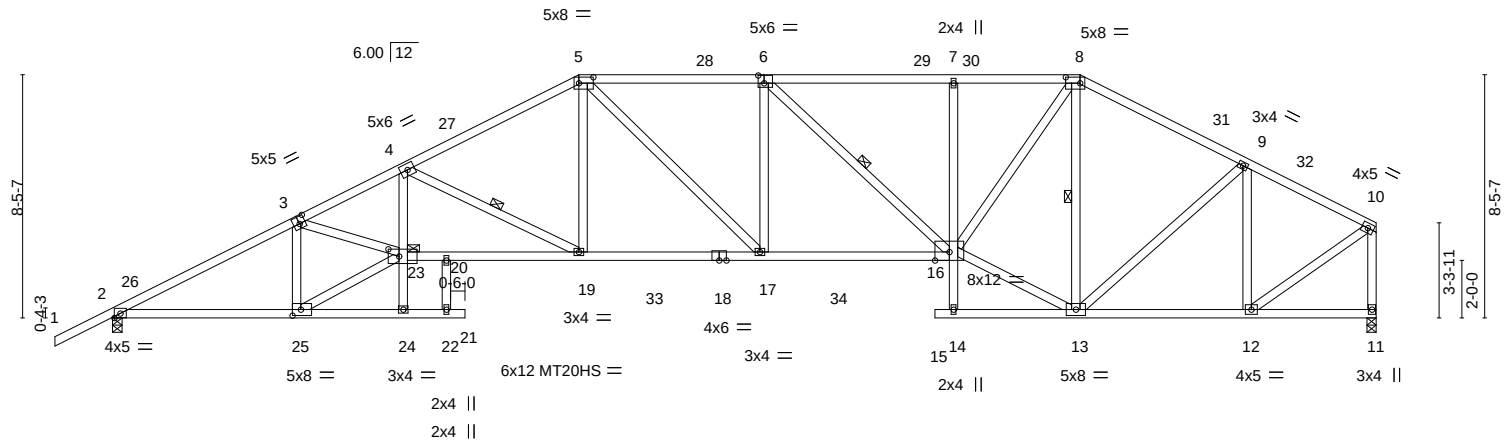
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A06	Hip	1	1	T35469232
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:18 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-Zz8UTipNmHhabsmhuO7wKFJo2nebjCbc0ZeN0QyMEFB

-2-0-0	6-4-13	10-3-0	16-2-8	22-7-12	29-1-0	33-7-8	39-5-3	43-11-0
2-0-0	6-4-13	3-10-4	5-11-8	6-5-4	6-5-4	4-6-8	5-9-11	4-5-13

Scale = 1:80.1



6-4-13	10-3-0	11-9-0	16-2-8	22-7-12	29-1-0	33-7-8	39-5-3	43-11-0
6-4-13	3-10-4	1-6-0	4-5-8	6-5-4	6-5-4	4-6-8	5-9-11	4-5-13

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [6:0-2-8,0-3-4], [8:0-6-0,0-2-8], [23:0-4-8,0-3-0], [25:0-3-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	1.00	Vert(LL)	-0.37	17-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.67	17-19	>778	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.35	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.18	19	>999	240	Weight: 291 lb	FT = 20%

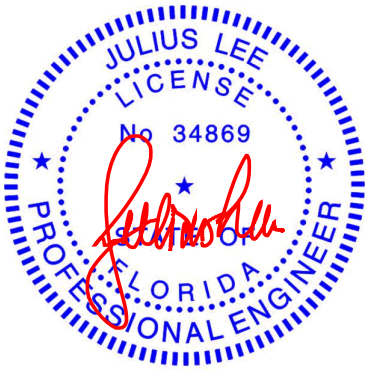
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
18-23,16-18: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 2-25.
10-0-0 oc bracing: 14-16
WEBS 1 Row at midpt 4-19, 6-16, 8-13
JOINTS 1 Brace at Jt(s): 23

REACTIONS. (size) 2=0-4-0, 11=0-3-13
Max Horz 2=122(LC 11)
Max Uplift 2=-128(LC 12), 11=-70(LC 12)
Max Grav 2=2117(LC 17), 11=1944(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3832/206, 3-4=-5700/351, 4-5=-3769/275, 5-6=-3560/289, 6-7=-3104/269, 7-8=-3088/268, 8-9=-2177/205, 9-10=-1709/132, 10-11=-1881/147
BOT CHORD 2-25=-210/3408, 4-23=-19/1507, 20-23=-295/5168, 19-20=-296/5162, 17-19=-144/3374, 16-17=-155/3591, 7-16=-338/103, 12-13=-84/1491
WEBS 3-25=-1621/167, 23-25=-208/3731, 3-23=-75/1765, 4-19=-2024/169, 5-19=0/1130, 5-17=-27/505, 6-16=-624/33, 13-16=-69/2032, 8-16=-109/2156, 8-13=-1044/87, 9-13=0/574, 9-12=-851/128, 10-12=-101/1805

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 16-2-8, Zone2 16-2-8 to 20-5-7, Zone1 20-5-7 to 33-7-8, Zone2 33-7-8 to 37-10-7, Zone1 37-10-7 to 43-9-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.



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Date:

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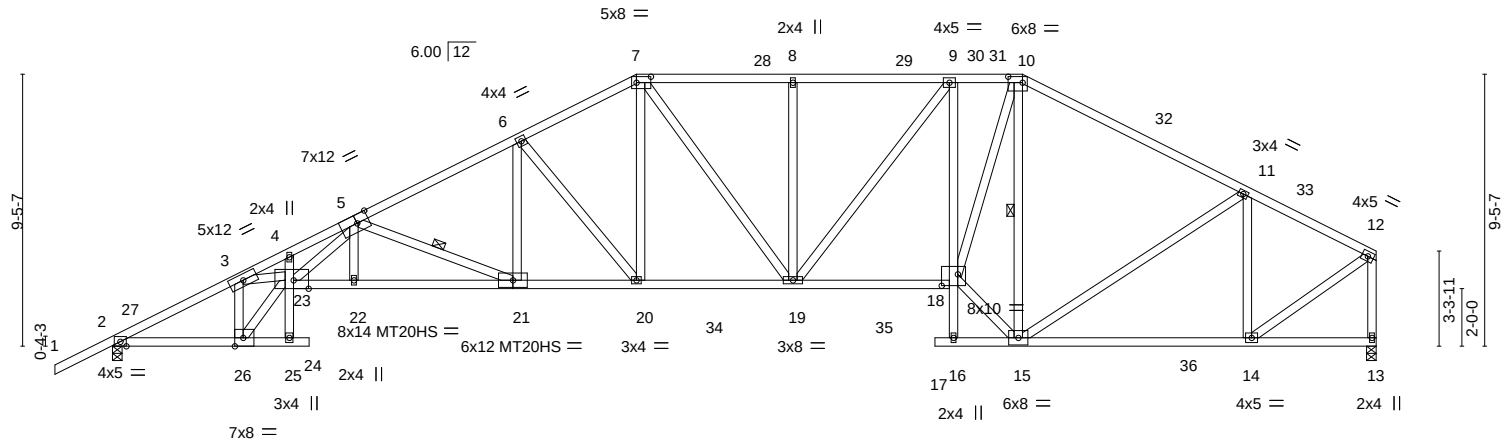
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A07	Hip	1	1	T35469233
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:19 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-19hsh2q?WbpQC?LtS5f9sTs?HA0JSdPlFDNxYtyMEFA

-2-0-0	4-4-12	6-3-8	8-4-11	14-0-12	18-2-8	23-7-12	29-1-0	31-7-8	39-5-5	43-11-0
2-0-0	4-4-12	1-10-12	2-1-3	5-8-1	4-1-12	5-5-4	5-5-4	2-6-8	7-9-13	4-5-11

Scale = 1:80.1



4-4-12	6-3-8	8-4-11	14-0-12	18-2-8	23-7-12	29-1-0	31-7-8	39-5-5	43-11-0
4-4-12	1-10-12	2-1-3	5-8-1	4-1-12	5-5-4	5-5-4	2-6-8	7-9-13	4-5-11

Plate Offsets (X,Y)-- [5:0-5-0,Edge], [7:0-6-0,0-2-8], [10:0-6-0,0-2-8], [18:0-6-12,0-4-12], [23:0-6-4,Edge], [26:0-3-8,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	0.85	Vert(LL)	-0.52	21-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.96	21-22	>545	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.59	13	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.25	21	>999	240	Weight: 306 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 10-12,1-5: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD	2x4 SP No.2 *Except* 21-23: 2x4 SP M 31 or 2x4 SP SS
WEBS	2x4 SP No.2 *Except* 23-26,3-23: 2x4 SP M 31 or 2x4 SP SS

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 1-6-11 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 6-0-0 oc bracing: 16-18 10-0-0 oc bracing: 23-25
WEBS	1 Row at midpt 5-21, 10-15

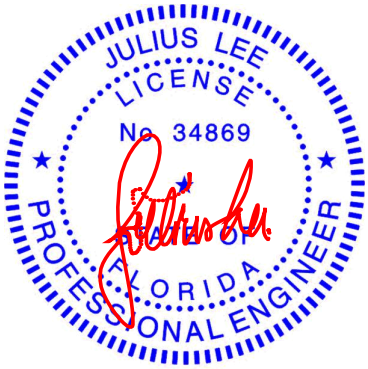
REACTIONS. (size) 2=0-4-0, 13=0-4-0
Max Horz 2=138(LC 11)
Max Uplift 2=-127(LC 12), 13=-70(LC 12)
Max Grav 2=2108(LC 17), 13=1978(LC 18)

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

TOP CHORD	2-3=-3846/194, 3-4=-9834/584, 4-5=-9689/589, 5-6=-4252/301, 6-7=-3338/285, 7-8=-3032/278, 8-9=-3032/278, 9-10=-2780/260, 10-11=-2242/213, 11-12=-1754/132, 12-13=-1934/142
BOT CHORD	2-26=-213/3436, 4-23=-14/294, 22-23=-363/6105, 21-22=-364/6099, 20-21=-199/3804, 19-20=-117/3004, 18-19=-106/2840, 9-18=-546/83, 14-15=-89/1553
WEBS	3-26=-3645/280, 23-26=-300/4867, 3-23=-312/5393, 5-23=-227/3790, 5-22=0/300, 5-21=-2473/177, 6-21=-4/1088, 6-20=-1274/128, 7-20=-45/1161, 7-19=-23/328, 8-19=-371/112, 9-19=-29/417, 15-18=-69/2683, 10-18=-122/2765, 10-15=-1919/122, 11-15=0/513, 11-14=-839/150, 12-14=-110/1895

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 18-2-8, Zone2 18-2-8 to 22-5-7, Zone1 22-5-7 to 31-7-8, Zone2 31-7-8 to 35-10-7, Zone1 35-10-7 to 43-9-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) The Fabrication Tolerance at joint 23 = 0%
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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 13. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

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

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A08	Hip	1	1	T35469234
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:20 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-VLFEuOreHuxHq9w3?pAOPgPFUaN6BBGuTt7U4JyMEF9

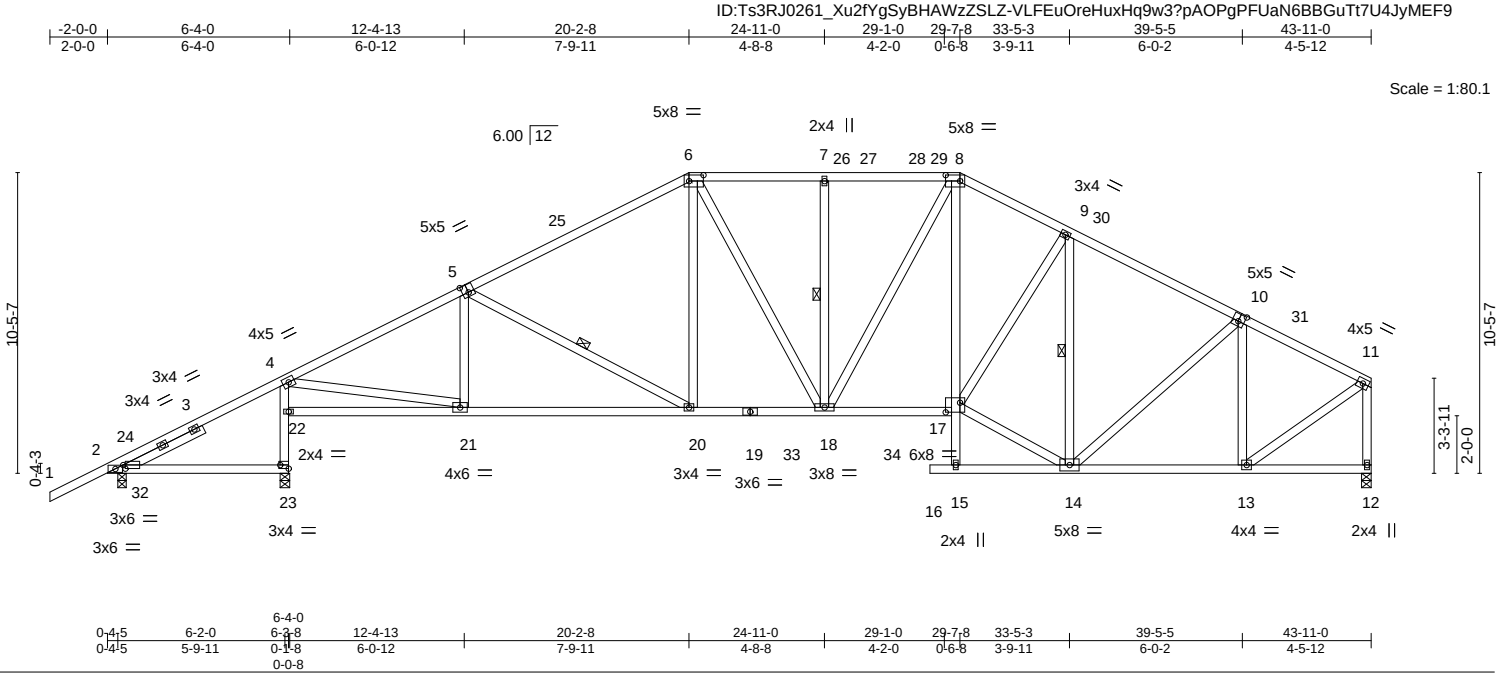


Plate Offsets (X,Y)-- [2:0-0-15,0-1-8], [5:0-2-8,0-3-4], [6:0-6-0,0-2-8], [8:0-6-0,0-2-8], [10:0-2-8,0-3-0], [17:0-6-0,0-4-0], [23:Edge,0-1-8]

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	0.56	Vert(LL)	-0.17	20-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.33	20-21	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.11	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.06	16	>999	240	Weight: 302 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 4-2-9 oc bracing: 22-23.
WEBS	1 Row at midpt 5-20, 7-18, 9-14

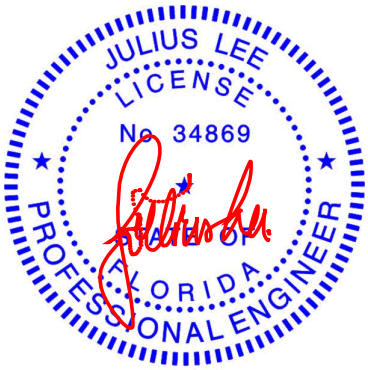
REACTIONS. (size) 2=0-3-8, 23=0-4-0, 12=0-4-0
Max Horz 2=155(LC 11)
Max Uplift 2=-110(LC 12), 23=-137(LC 12), 12=-58(LC 12)
Max Grav 2=357(LC 23), 23=2007(LC 17), 12=1704(LC 18)

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

TOP CHORD	4-5=-2432/167, 5-6=-2152/206, 6-7=-1971/227, 7-8=-1971/227, 8-9=-2187/226, 9-10=-1842/180, 10-11=-1484/113, 11-12=-1642/128
BOT CHORD	22-23=-1939/173, 4-22=-1842/203, 20-21=-107/2195, 18-20=-37/1902, 17-18=-34/1917, 13-14=-68/1298
WEBS	4-21=-111/2187, 5-20=-343/79, 6-20=0/427, 6-18=-23/353, 7-18=-312/87, 8-18=-23/265, 8-17=-19/694, 9-17=0/647, 9-14=-939/88, 10-14=0/404, 10-13=-706/115, 11-13=-78/1556, 14-17=-64/1786

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 20-2-8, Zone2 20-2-8 to 24-5-7, Zone1 24-5-7 to 29-7-8, Zone2 29-7-8 to 33-10-7, Zone1 33-10-7 to 43-9-4 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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 23, and 12. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

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Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A09	Hip	1	1	T35469235
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:20 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-VLFEuOreHuxHq9w3?pAOPgPFUaN6BBGuTt7U4JyMEF9

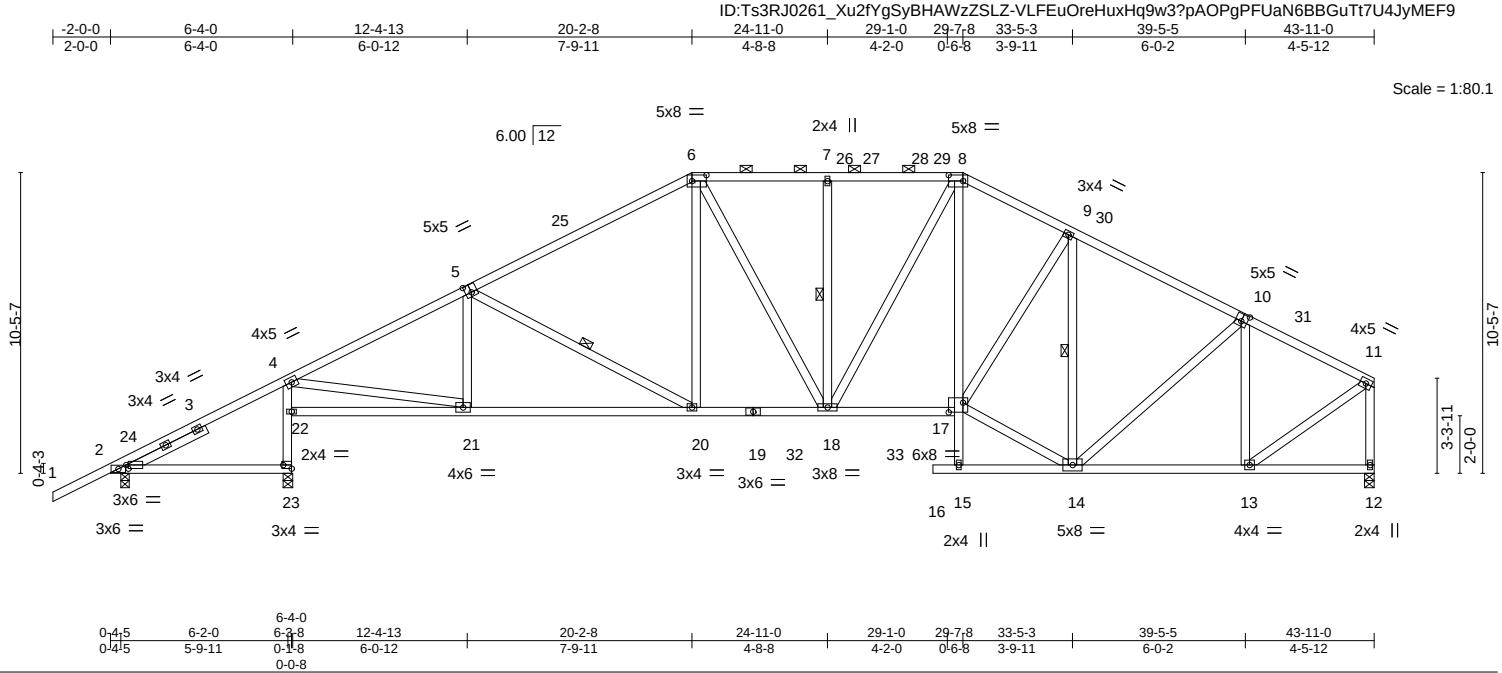

Plate Offsets (X,Y)-- [2:0-0-15,0-1-8], [5:0-2-8,0-3-4], [6:0-6-0,0-2-8], [8:0-6-0,0-2-8], [10:0-2-8,0-3-0], [17:0-6-0,0-4-0], [23:Edge,0-1-8]

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	0.56	Vert(LL)	-0.17	20-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.33	20-21	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.11	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.06	16	>999	240	Weight: 302 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-7 oc purlins, except end verticals, and 2-0-0 oc purlins (4-0-1 max.): 6-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 4-2-2 oc bracing: 22-23.
WEBS	1 Row at midpt 5-20, 7-18, 9-14

REACTIONS. (size) 2=0-3-8, 23=0-4-0, 12=0-4-0
Max Horz 2=155(LC 11)
Max Uplift 2=-56(LC 12), 23=-88(LC 12), 12=-58(LC 12)
Max Grav 2=357(LC 23), 23=2044(LC 17), 12=1704(LC 18)

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

TOP CHORD	4-5=-2434/162, 5-6=-2153/204, 6-7=-1971/226, 7-8=-1971/226, 8-9=-2187/225, 9-10=-1843/179, 10-11=-1484/113, 11-12=-1643/127
BOT CHORD	22-23=-1938/176, 4-22=-1841/205, 20-21=-103/2197, 18-20=-35/1903, 17-18=-33/1917, 13-14=-68/1298
WEBS	4-21=-128/2178, 5-20=-344/76, 6-20=0/428, 6-18=-24/353, 7-18=-312/88, 8-18=-22/265, 8-17=-19/694, 9-17=0/647, 9-14=-939/87, 10-14=0/404, 10-13=-706/115, 11-13=-77/1557, 14-17=-63/1786

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 20-2-8, Zone2 20-2-8 to 24-5-7, Zone1 24-5-7 to 29-7-8, Zone2 29-7-8 to 33-10-7, Zone1 33-10-7 to 43-9-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 23, and 12. This connection is for uplift only and does not consider lateral forces.
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
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Date:

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Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car	
6243065	A10	Piggyback Base	1	1	Job Reference (optional)	T35469236

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:21 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-zXpc5jrG2C38SJVGZWhdxuxMg_hpwak2iXs2dlyMEF8

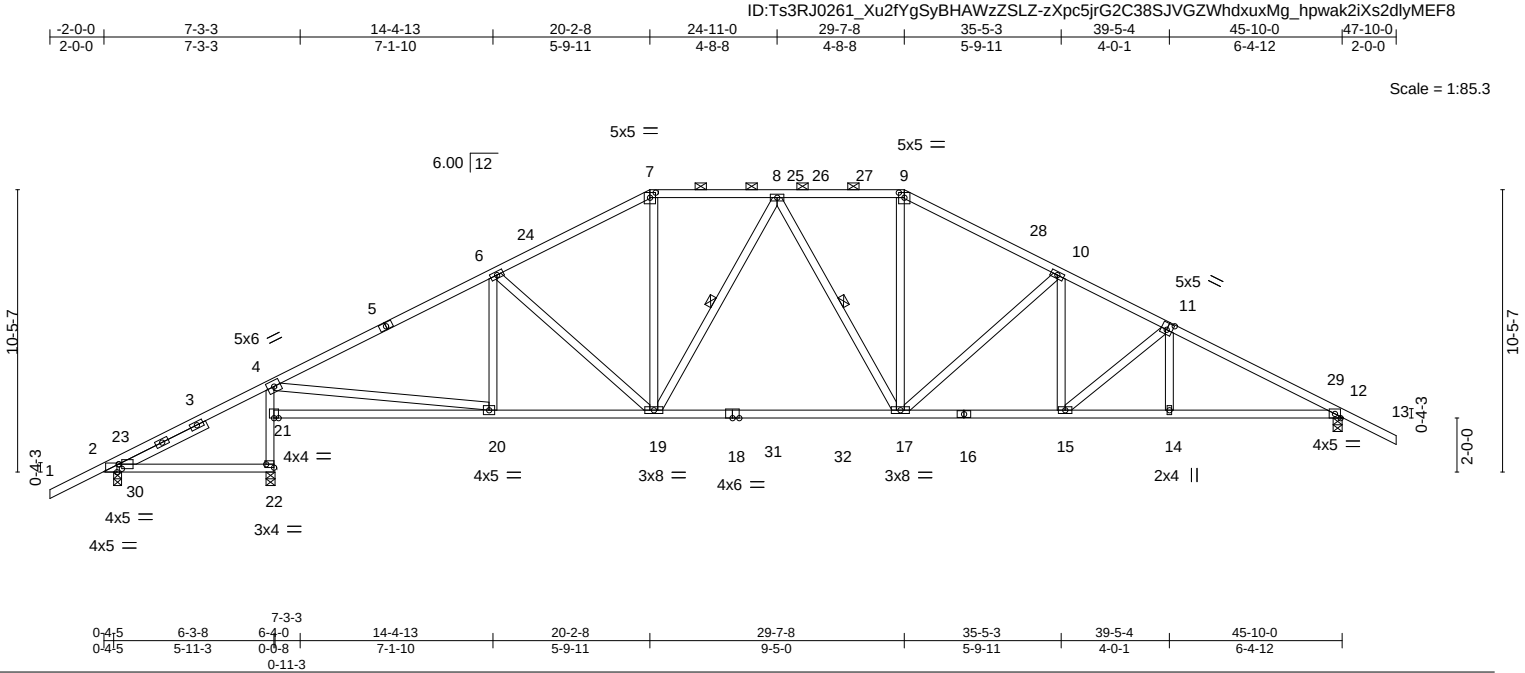


Plate Offsets (X,Y)-- [2:0-0-12,Edge], [2:0-1-7,0-2-0], [7:0-2-8,0-2-4], [9:0-2-8,0-2-4], [11:0-2-8,0-3-0], [22:Edge,0-1-8]

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	0.79	Vert(LL)	-0.34	17-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.60	17-19	>790	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.12	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.09	17	>999	240	Weight: 270 lb	FT = 20%

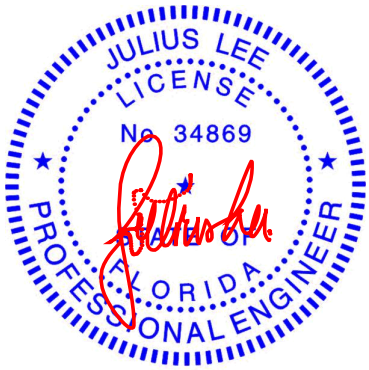
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
16-18: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 3-7-2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (3-11-13 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 8-19, 8-17

REACTIONS. (size) 2=0-3-8, 22=0-4-0, 12=0-4-0
Max Horz 2=167(LC 11)
Max Uplift 2=-141(LC 12), 22=-110(LC 12), 12=-132(LC 12)
Max Grav 2=354(LC 23), 22=2081(LC 17), 12=1880(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-6=-2550/201, 6-7=-2252/234, 7-8=-1959/232, 8-9=-2095/239, 9-10=-2387/232, 10-11=-2898/242, 11-12=-3317/211
BOT CHORD 21-22=-2015/147, 4-21=-1868/194, 19-20=-57/2283, 17-19=-27/2118, 15-17=-86/2524, 14-15=-116/2865, 12-14=-116/2867
WEBS 4-20=-23/2068, 6-19=-369/90, 7-19=-16/749, 8-19=-387/60, 9-17=-4/771, 10-17=-659/107, 10-15=0/389, 11-15=-440/39

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 20-2-8, Zone2 20-2-8 to 24-5-7, Zone1 24-5-7 to 29-7-8, Zone2 29-7-8 to 33-10-7, Zone1 33-10-7 to 47-10-0 zone; cantilever left and right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 3x6 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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 22, and 12. This connection is for uplift only and does not consider lateral forces.
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
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

November 6,2024

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

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A11	Piggyback Base	1	1	T35469237
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:23 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-vwxNWPtWapJshdfehxj51J1ltoNcOUDLArL8heyMEF6

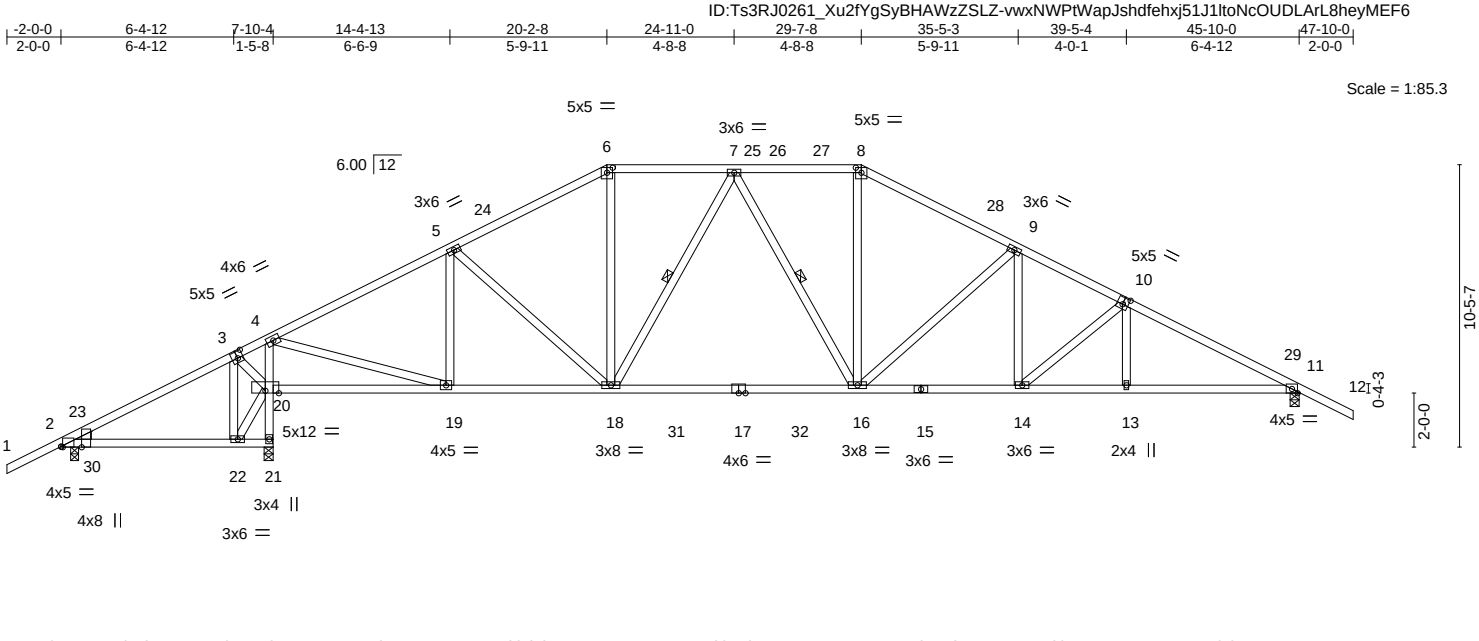


Plate Offsets (X,Y)-- [2:0-0-4,Edge], [2:0-0-12,Edge], [3:0-2-8,0-3-0], [6:0-2-8,0-2-4], [8:0-2-8,0-2-4], [10:0-2-8,0-3-0]

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	0.55	Vert(LL)	-0.32	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.56	16-18	>816	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.10	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.07	16	>999	240	Weight: 275 lb	FT = 20%

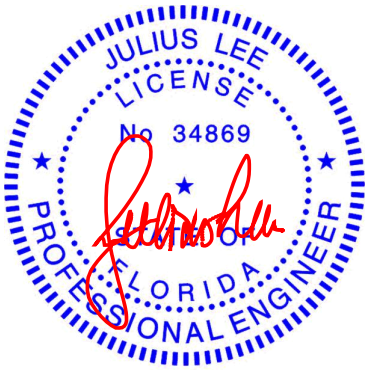
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
15-17: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 21=0-4-0, 11=0-4-0
Max Horz 2=167(LC 11)
Max Uplift 2=-146(LC 12), 21=-136(LC 12), 11=-128(LC 12)
Max Grav 2=326(LC 23), 21=2209(LC 17), 11=1788(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-32/342, 3-4=-15/692, 4-5=-1870/161, 5-6=-1926/208, 6-7=-1668/211, 7-8=-1912/225, 8-9=-2184/217, 9-10=-2695/227, 10-11=-3116/196
BOT CHORD 20-21=-2262/248, 4-20=-1881/151, 19-20=-545/79, 18-19=-15/1693, 16-18=-9/1876, 14-16=-73/2343, 13-14=-104/2684, 11-13=-102/2689
WEBS 3-22=-64/436, 20-22=-307/0, 3-20=-637/169, 4-19=-96/2226, 5-19=-429/101, 6-18=0/600, 7-18=-462/67, 8-16=0/678, 9-16=-660/107, 9-14=0/393, 10-14=-444/40

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 20-2-8, Zone2 20-2-8 to 24-5-7, Zone1 24-5-7 to 29-7-8, Zone2 29-7-8 to 33-10-7, Zone1 33-10-7 to 47-10-0 zone; cantilever left and right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 21, and 11. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

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

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A12	Piggyback Base	4	1	T35469238
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:23 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-vwxNWPtWapJshdfehxj51J1lFoMVOU8LArL8heyMEF6

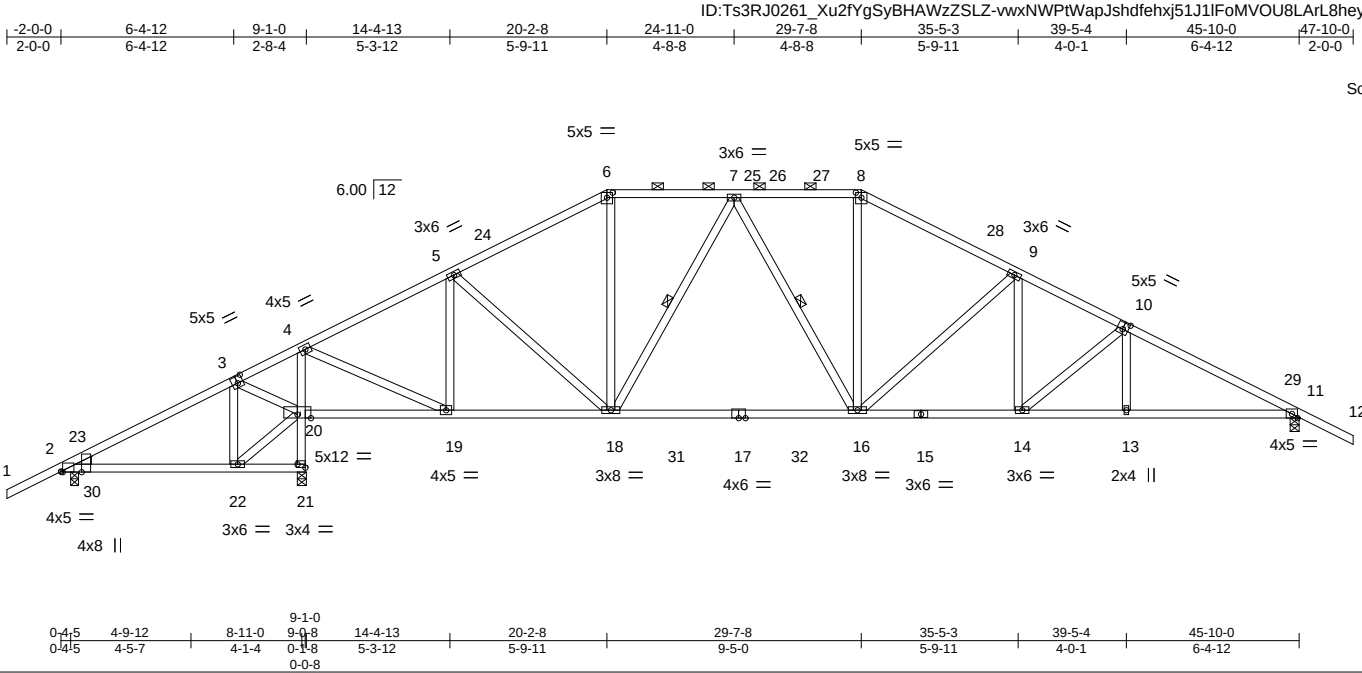


Plate Offsets (X,Y)-- [2:0-0-4,Edge], [2:0-0-12,Edge], [3:0-2-8,0-3-0], [6:0-2-8,0-2-4], [8:0-2-8,0-2-4], [10:0-2-8,0-3-0], [21:Edge,0-1-8]

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	0.53	Vert(LL)	-0.32	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.56	16-18	>791	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.07	14-16	>999	240	Weight: 277 lb	FT = 20%

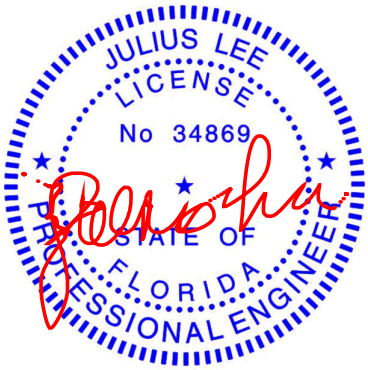
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-15 oc purlins, except
2-0-0 oc purlins (4-4-7 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 7-18, 7-16

REACTIONS. (size) 2=0-3-8, 21=0-4-0, 11=0-4-0
Max Horz 2=167(LC 11)
Max Uplift 2=-155(LC 12), 21=-150(LC 12), 11=-126(LC 12)
Max Grav 2=327(LC 23), 21=2281(LC 17), 11=1716(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/376, 3-4=-45/938, 4-5=-1351/133, 5-6=-1674/190, 6-7=-1442/196, 7-8=-1767/216, 8-9=-2023/207, 9-10=-2539/216, 10-11=-2961/186
BOT CHORD 2-22=-255/0, 20-21=-2290/241, 4-20=-2027/165, 19-20=-801/116, 18-19=0/1238, 16-18=0/1687, 14-16=-63/2203, 13-14=-94/2546, 11-13=-93/2552
WEBS 3-22=-43/378, 20-22=-306/0, 3-20=-695/187, 4-19=-111/2120, 5-19=-701/109, 5-18=0/438, 6-18=0/487, 7-18=-520/74, 8-16=0/605, 9-16=-665/106, 9-14=0/398, 10-14=-447/40

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 20-2-8, Zone2 20-2-8 to 24-5-7, Zone1 24-5-7 to 29-7-8, Zone2 29-7-8 to 33-10-7, Zone1 33-10-7 to 47-10-0 zone; cantilever left and right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 21, and 11. This connection is for uplift only and does not consider lateral forces.
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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

November 6,2024

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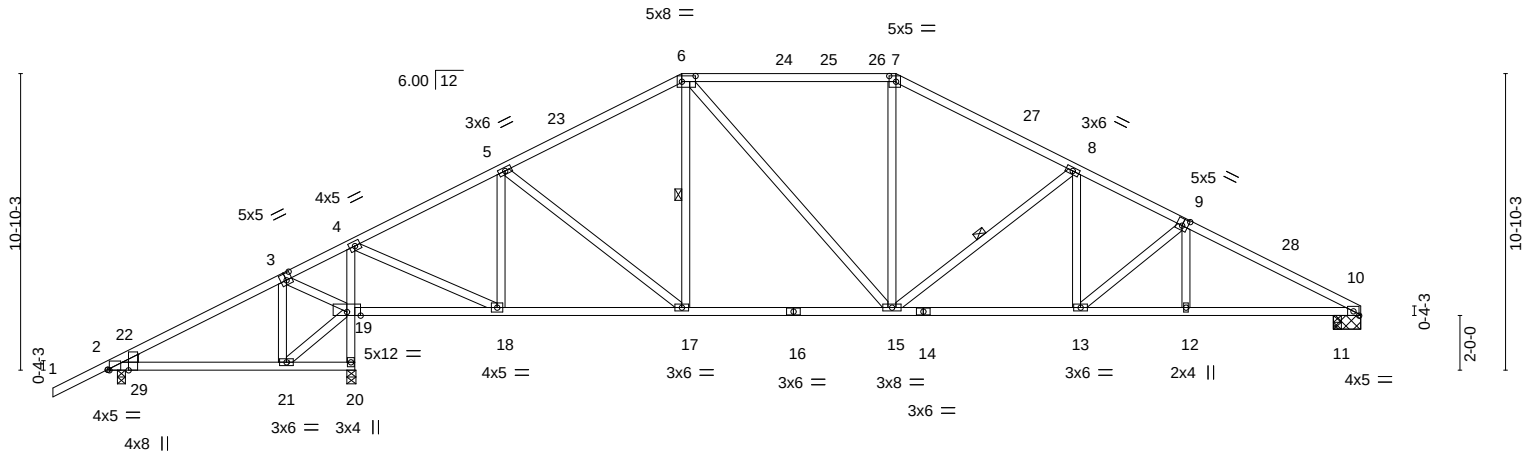
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car	T35469239
6243065	A13	Hip	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:24 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-O6Vlklu8L7RjJnEqEfEKZWZvxBjN7_OUOV5iD4yMEF5

-2-0-0 2-0-0 | 6-4-12 6-4-12 | 9-1-0 2-8-4 | 14-4-11 5-3-11 | 21-0-0 6-7-5 | 28-10-0 7-10-0 | 35-5-4 6-7-4 | 39-5-5 4-0-0 | 45-10-0 6-4-11

Scale = 1:84.3



0-4-5 0-4-5 | 6-4-12 6-0-7 | 8-11-0 2-6-4 | 9-1-0 0-1-8 | 9-0-8 0-0-8 | 14-4-11 5-3-11 | 21-0-0 6-7-5 | 28-10-0 7-10-0 | 35-5-4 6-7-4 | 39-5-5 4-0-0 | 45-1-8 5-8-3 | 45-10-0 0-8-8

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

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	0.59	Vert(LL)	-0.18	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.32	15-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.08	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.06	13	>999	240	Weight: 266 lb	FT = 20%

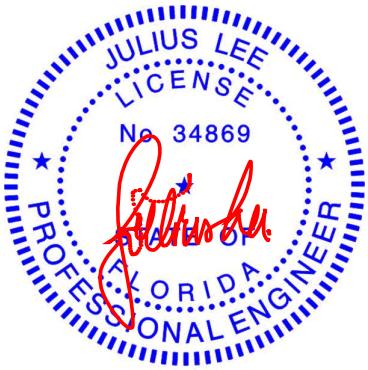
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
6-7: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-10-15 oc bracing.
WEBS 1 Row at midpt 6-17, 8-15

REACTIONS. All bearings 0-3-8 except (jt=length) 20=0-4-0, 10=1-0-0.
(lb) - Max Horz 2=170(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 10 except 2=-143(LC 12), 20=-165(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=344(LC 23), 20=2235(LC 17), 10=761(LC 18), 11=840(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-43/326, 3-4=-57/853, 4-5=-1377/130, 5-6=-1662/197, 6-7=-1653/224, 7-8=-1904/212, 8-9=-2462/217, 9-10=-2767/197
BOT CHORD 19-20=-2243/257, 4-19=-1973/162, 18-19=-724/95, 17-18=-17/1259, 15-17=0/1468, 13-15=-84/2143, 12-13=-121/2362, 11-12=-119/2365, 10-11=-119/2365
WEBS 3-21=-33/342, 19-21=-252/0, 3-19=-659/177, 4-18=-123/2070, 5-18=-641/127, 5-17=0/377, 6-15=-30/400, 7-15=0/446, 8-15=-694/104, 8-13=0/380, 9-13=-286/58

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 21-0-0, Zone2 21-0-0 to 25-2-15, Zone1 25-2-15 to 28-10-0, Zone2 28-10-0 to 33-0-15, Zone1 33-0-15 to 45-6-0 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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 20, and 10. This connection is for uplift only and does not consider lateral forces.



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Date:

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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car	
6243065	A14	Hip	1	1	Job Reference (optional)	T35469240

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:25 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-sJ37x5um6RZaxwo1oMlZ6k66ib4zsQddd9qFmXyMEF4

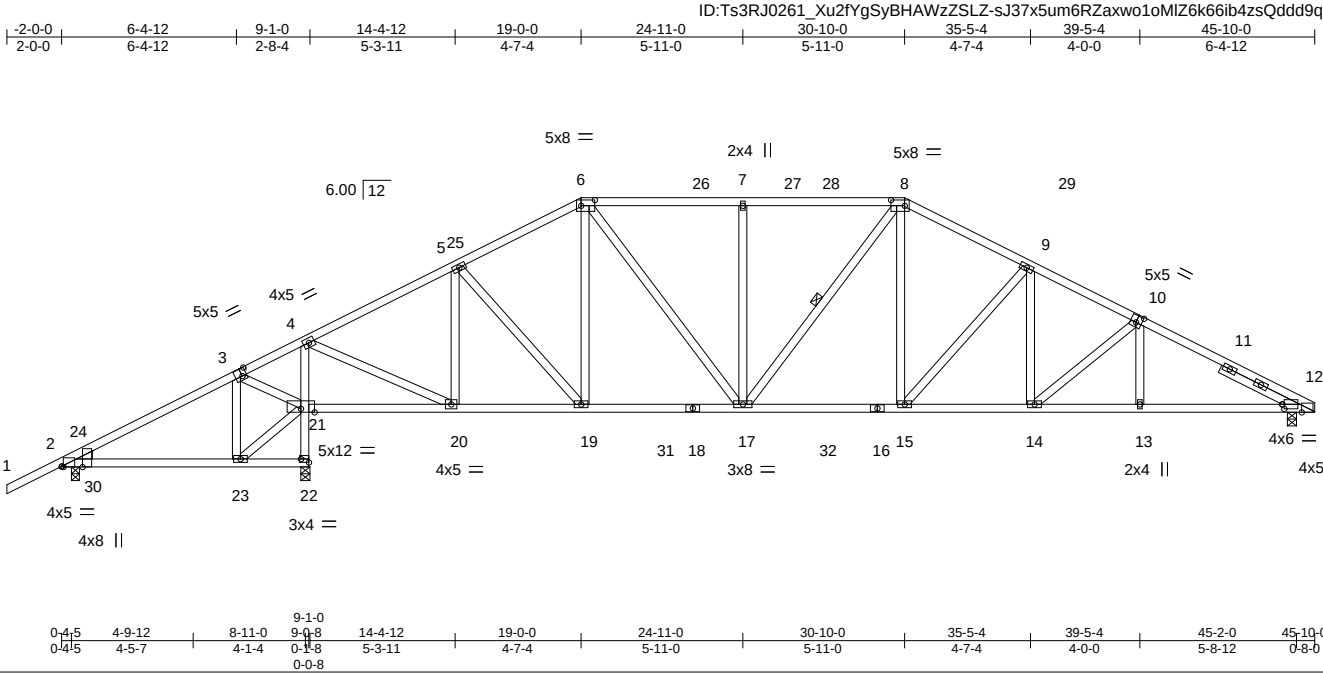

Plate Offsets (X,Y)-- [2:0-0-12,Edge], [2:0-0-4,Edge], [3:0-2-0,0-3-4], [6:0-6-0,0-2-8], [8:0-6-0,0-2-8], [10:0-2-8,0-3-0], [12:0-0-15,0-2-0], [12:0-8-9,Edge], [22:Edge,0-1-8]

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	0.47	Vert(LL)	-0.15	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.28	15-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.09	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.07	15	>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
WEDGE
Left: 2x4 SP No.2
SLIDER Right 2x4 SP No.2 3-2-5

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-10-6 oc bracing.
WEBS 1 Row at midpt 8-17

REACTIONS. (size) 2=0-3-8, 22=0-4-0, 12=0-4-0
Max Horz 2=153(LC 11)
Max Uplift 2=-142(LC 12), 22=-167(LC 12), 12=-61(LC 12)
Max Grav 2=328(LC 23), 22=2275(LC 17), 12=1607(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/340, 3-4=-63/895, 4-5=-1379/128, 5-6=-1658/190, 6-7=-1870/221, 7-8=-1870/221, 8-9=-2133/218, 9-10=-2572/220, 10-12=-2979/201
BOT CHORD 21-22=-2284/260, 4-21=-2030/173, 20-21=-755/97, 19-20=-12/1243, 17-19=0/1476, 15-17=-22/1836, 14-15=-83/2234, 13-14=-124/2584, 12-13=-122/2589
WEBS 3-23=-35/358, 21-23=-267/0, 3-21=-677/177, 4-20=-118/2094, 5-20=-681/114, 5-19=0/440, 6-17=-54/735, 7-17=-404/117, 8-15=-2/685, 9-15=-616/91, 9-14=0/415, 10-14=-456/65

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-0-0, Zone2 19-0-0 to 23-2-15, Zone1 23-2-15 to 30-10-0, Zone2 30-10-0 to 35-0-15, Zone1 35-0-15 to 45-8-0 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 3x6 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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 22, and 12. This connection is for uplift only and does not consider lateral forces.

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

November 6,2024

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

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car	
6243065	A15	Hip	1	1	Job Reference (optional)	T35469241

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:26 2024 Page 1
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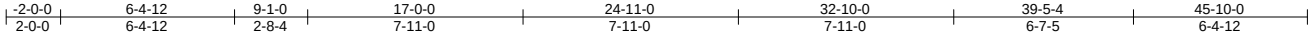

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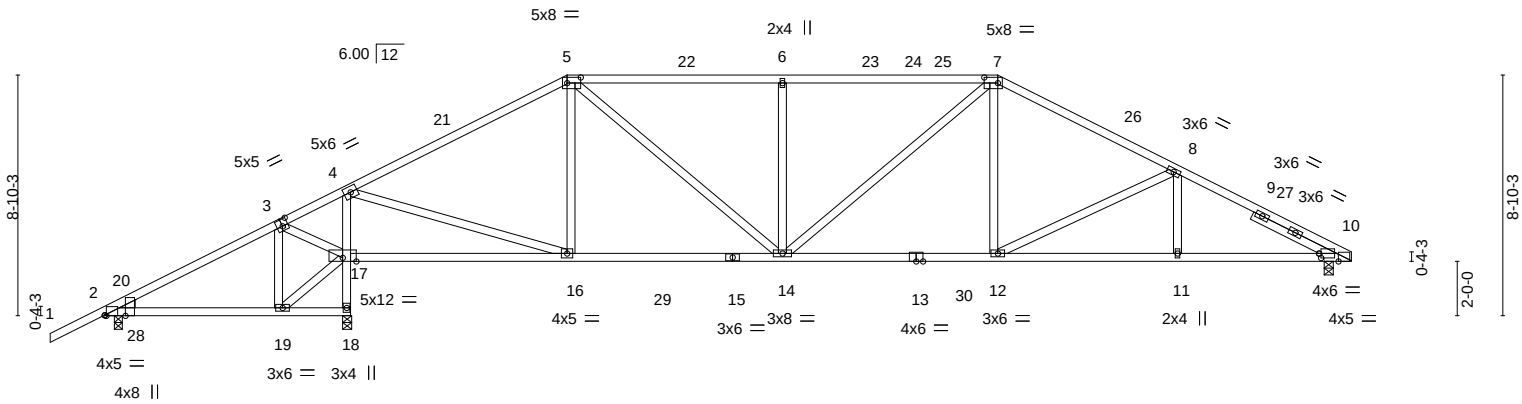


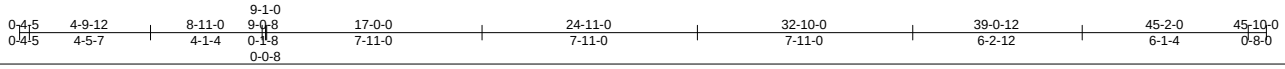


Plate Offsets (X,Y)-- [2:0-0-4,Edge], [2:0-0-12,Edge], [3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8], [10:0-0-15,0-2-0], [10:0-8-9,Edge]

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	0.87	Vert(LL)	-0.21	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.39	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.08	12-14	>999	240	Weight: 254 lb	FT = 20%

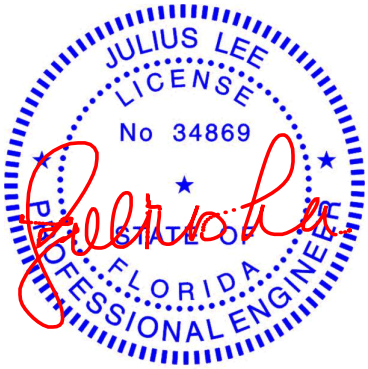
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2
SLIDER Right 2x4 SP No.2 3-4-13

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 3-10-15 oc bracing.

REACTIONS. (size) 2=0-3-8, 18=0-4-0, 10=0-4-0
Max Horz 2=137(LC 11)
Max Uplift 2=-140(LC 12), 18=-169(LC 12), 10=-61(LC 12)
Max Grav 2=356(LC 23), 18=2223(LC 17), 10=1622(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-60/681, 4-5=-1745/151, 5-6=-2223/224, 6-7=-2223/224, 7-8=-2406/205, 8-10=-3041/204
BOT CHORD 17-18=-2232/261, 4-17=-1932/210, 16-17=-497/70, 14-16=0/1506, 12-14=-41/2066, 11-12=-134/2652, 10-11=-134/2652
WEBS 3-19=-48/290, 3-17=-535/154, 4-16=-67/2005, 5-16=-343/122, 5-14=-75/1001, 6-14=-540/148, 7-14=-16/340, 7-12=0/590, 8-12=-664/103, 8-11=0/263

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 32-10-0, Zone2 32-10-0 to 37-0-15, Zone1 37-0-15 to 45-8-0 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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 18, and 10. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

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314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A16	Hip	1	1	T35469242
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:27 2024 Page 1
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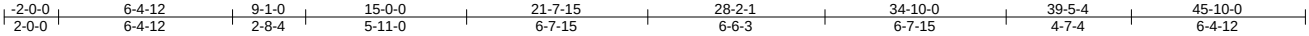

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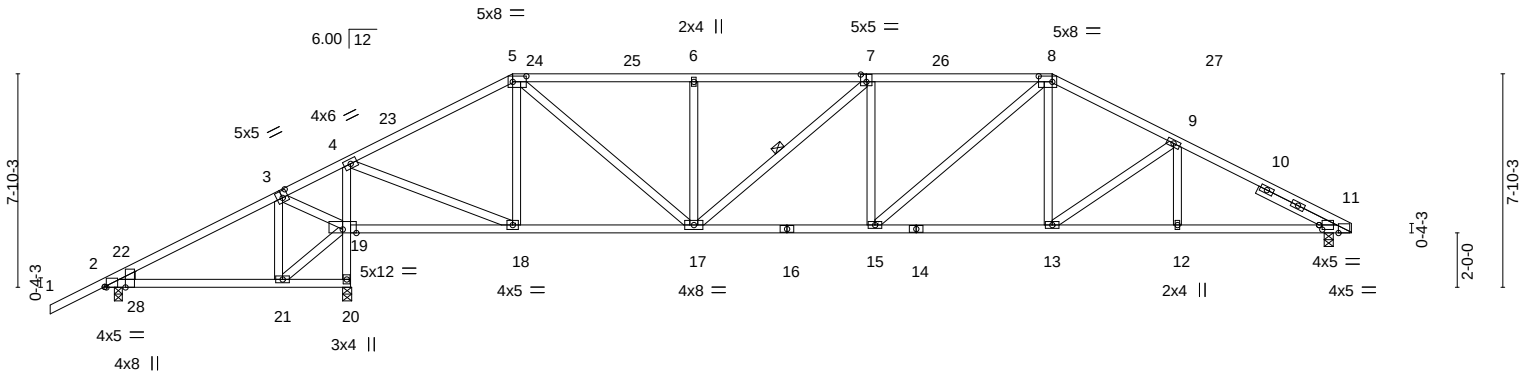


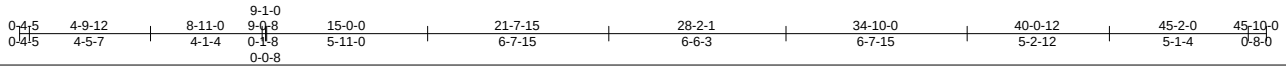


Plate Offsets (X,Y)-- [2:0-0-4,Edge], [2:0-0-12,Edge], [3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [7:0-2-8,0-3-4], [8:0-6-0,0-2-8], [11:0-1-7,0-2-0], [11:0-8-9,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.14	15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.31	13-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.09	15	>999	240	Weight: 259 lb	FT = 20%

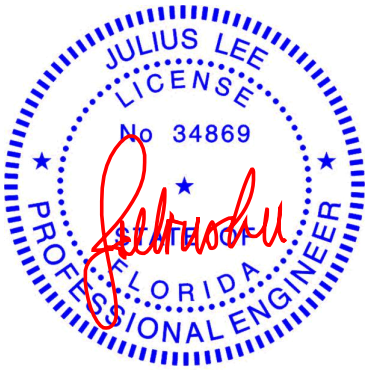
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2
SLIDER Right 2x4 SP No.2 3-2-5

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

REACTIONS. (size) 2=0-3-8, 20=0-4-0, 11=0-4-0
Max Horz 2=120(LC 11)
Max Uplift 2=-138(LC 12), 20=-171(LC 12), 11=-60(LC 12)
Max Grav 2=266(LC 23), 20=2118(LC 1), 11=1411(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/386, 3-4=-78/988, 4-5=-1283/127, 5-6=-1999/206, 6-7=-1999/207, 7-8=-2294/228, 8-9=-2220/210, 9-11=-2635/199
BOT CHORD 2-21=-309/0, 19-20=-2126/267, 4-19=-1957/192, 18-19=-814/105, 17-18=0/1052, 15-17=-81/2293, 13-15=-59/1937, 12-13=-127/2284, 11-12=-127/2284
WEBS 3-21=-47/373, 19-21=-383/0, 3-19=-694/176, 4-18=-103/2024, 5-18=-608/119, 5-17=-92/1265, 6-17=-418/120, 7-17=-407/36, 8-15=-30/577, 8-13=0/399, 9-13=-432/82

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 34-10-0, Zone2 34-10-0 to 39-0-15, Zone1 39-0-15 to 45-8-0 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 3x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 20, and 11. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car	T35469243
6243065	A17	Hip	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:27 2024 Page 1
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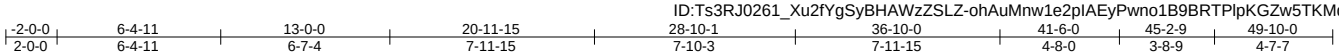

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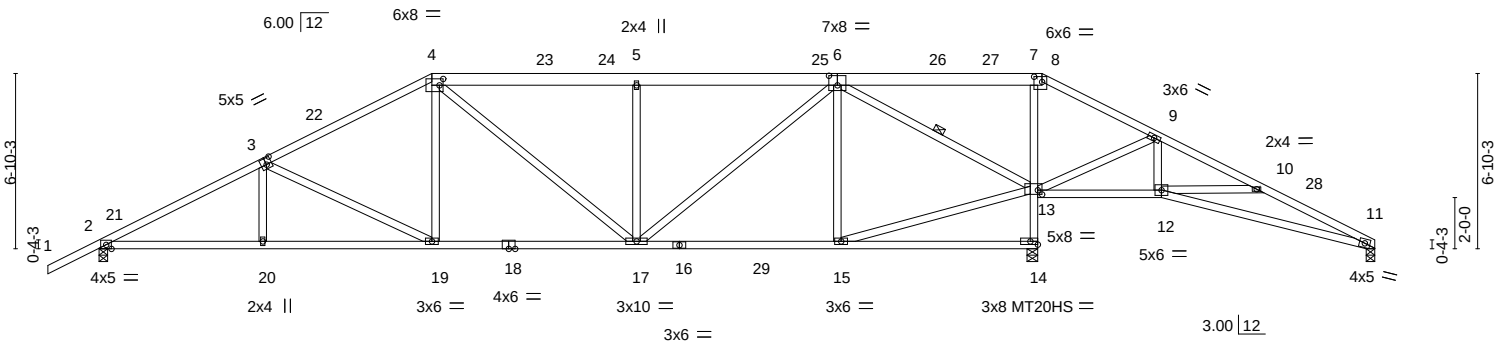


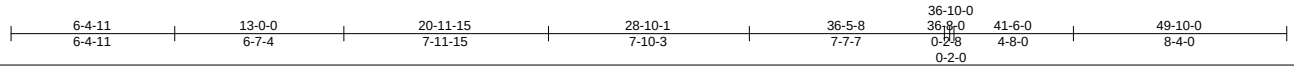


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [4:0-1-12,0-3-0], [6:0-4-0,0-4-8], [8:0-3-12,0-2-7], [13:0-2-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.19	17-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.35	17-19	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.09	14	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.06	19-20	>999	240	Weight: 298 lb	FT = 20%

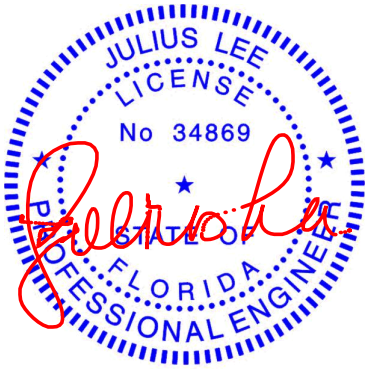
LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 4-6,6-8: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-6-8 oc bracing.
WEBS 1 Row at midpt 6-13

REACTIONS. (size) 11=0-4-0, 2=0-4-0, 14=0-5-0
Max Horz 2=120(LC 11)
Max Uplift 11=-9(LC 12), 2=-122(LC 12), 14=-103(LC 12)
Max Grav 11=219(LC 18), 2=1628(LC 17), 14=2695(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2797/174, 3-4=-2156/179, 4-5=-1912/191, 5-6=-1911/190, 6-7=-7/1028, 7-8=0/874, 8-9=-50/1200, 9-10=-76/662, 10-11=-154/416
BOT CHORD 2-20=-107/2496, 19-20=-109/2490, 17-19=-23/1925, 15-17=0/1080, 13-14=-2579/207, 7-13=-863/134, 12-13=-580/145, 11-12=-368/133
WEBS 3-20=0/269, 3-19=-644/95, 4-19=0/582, 5-17=-528/145, 6-17=-69/1150, 13-15=0/1087, 6-13=-2330/168, 9-13=-603/62, 9-12=0/281, 10-12=-525/177

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 36-10-0, Zone2 36-10-0 to 41-4-4, Zone1 41-4-4 to 49-8-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 11, 2, and 14. This connection is for uplift only and does not consider lateral forces.



Julius Lee PE No. 34869
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Date:

November 6,2024

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Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A18	Hip	1	1	T35469244
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:28 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-GukGZ7xfPMx9oOXcTUJGkMka8p843n24J73vMryMEF1

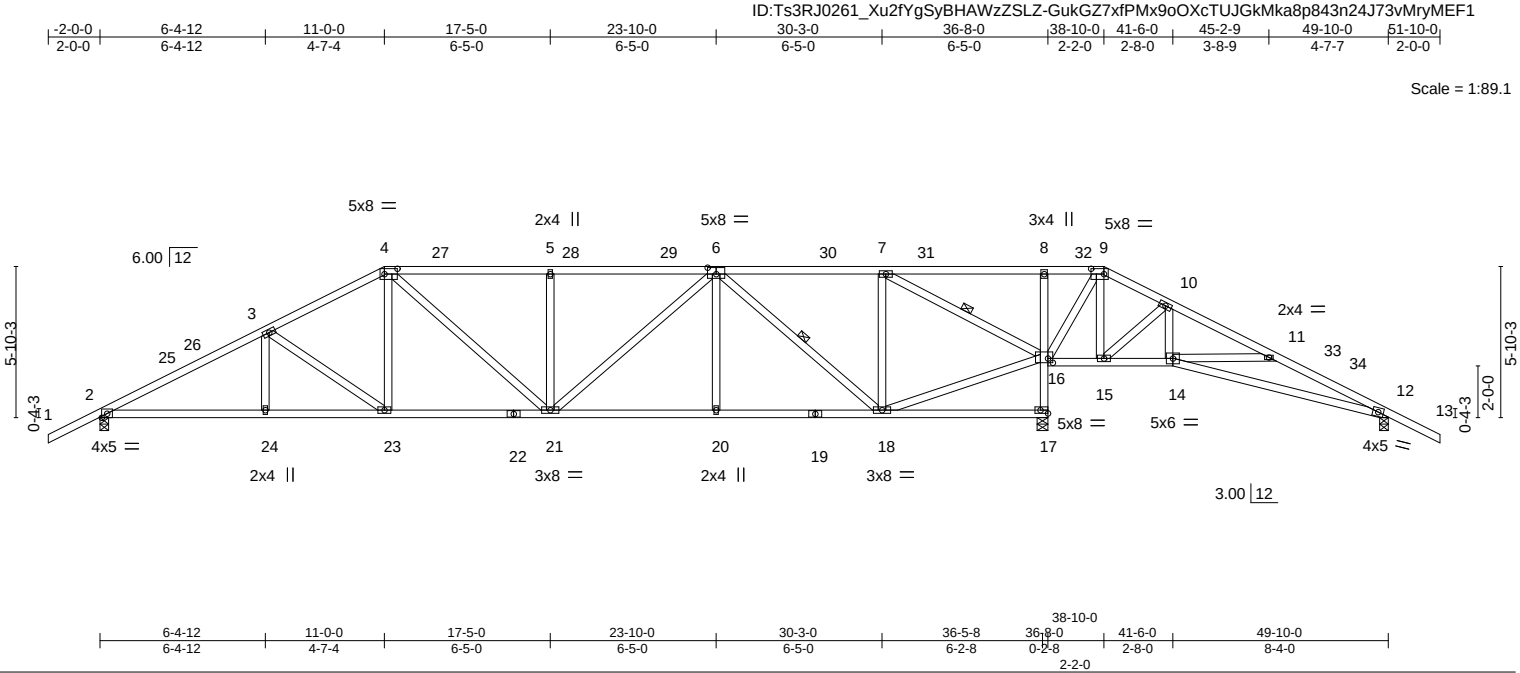


Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [6:0-4-0,0-3-0], [9:0-6-0,0-2-8], [16:0-2-4,0-2-0], [17:Edge,0-1-8]

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	0.65	Vert(LL)	-0.15	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.30	12-14	>522	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.09	17	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.08	21	>999	240	Weight: 291 lb	FT = 20%

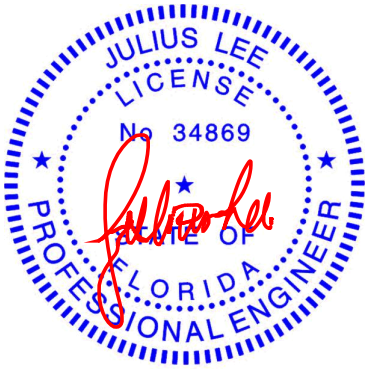
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-8-10 oc bracing.
WEBS 1 Row at midpt 6-18, 7-16

REACTIONS. (size) 2=0-4-0, 17=0-5-0, 12=0-4-0
Max Horz 2=123(LC 11)
Max Uplift 2=-127(LC 12), 17=-76(LC 12), 12=-92(LC 12)
Max Grav 2=1485(LC 23), 17=2445(LC 1), 12=337(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2502/212, 3-4=-2072/215, 4-5=-2092/230, 5-6=-2092/230, 6-7=-845/157, 7-8=-34/1238, 8-9=-40/1254, 9-10=-30/924, 10-11=-66/718, 11-12=-81/486
BOT CHORD 2-24=-106/2145, 23-24=-106/2145, 21-23=-28/1799, 20-21=-23/1759, 18-20=-23/1759, 16-17=-2389/196, 8-16=-325/111, 15-16=-804/185, 14-15=-631/173, 12-14=-435/68
WEBS 3-23=-441/94, 4-23=0/398, 4-21=-37/461, 5-21=-415/135, 6-21=-46/478, 6-20=0/250, 6-18=-1245/85, 7-18=0/721, 16-18=0/889, 7-16=-2244/186, 9-16=-823/55, 9-15=-17/251, 10-15=-370/51, 10-14=0/252, 11-14=-478/170

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; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 2-11-13, Zone1 2-11-13 to 11-0-0, Zone2 11-0-0 to 18-0-9, Zone1 18-0-9 to 38-10-0, Zone2 38-10-0 to 45-10-9, Zone1 45-10-9 to 51-10-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 17, and 12. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

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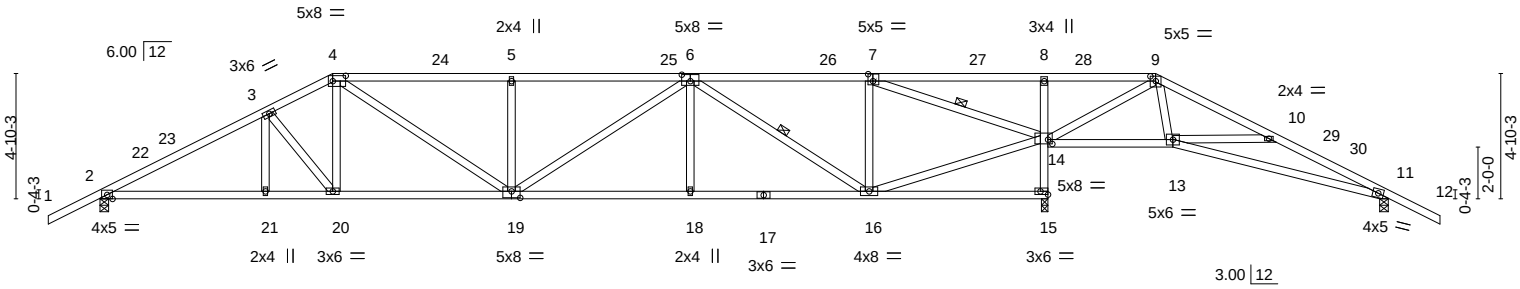
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A19	Hip	1	1	T35469245
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:29 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-k4IenSyHAf30PY6o1CqVGaHjoCUUoCIDYnpTvlyMEF0

-2-0-0	6-4-12	9-0-0	15-11-0	22-10-0	29-9-0	36-8-0	40-10-0	45-2-9	49-10-0	51-10-0
2-0-0	6-4-12	2-7-4	6-11-0	6-11-0	6-11-0	6-11-0	4-2-0	4-4-9	4-7-7	2-0-0

Scale = 1:89.1



6-4-12	9-0-0	15-11-0	22-10-0	29-9-0	36-6-8	36-8-0	41-6-0	49-10-0
6-4-12	2-7-4	6-11-0	6-11-0	6-11-0	6-9-8	0-1-8	4-10-0	8-4-0

Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [6:0-4-0,0-3-0], [7:0-2-4,0-3-4], [9:0-2-8,0-2-4], [14:0-2-0,0-2-0], [15:Edge,0-1-8], [19:0-4-0,0-3-0]

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	0.78	Vert(LL)	-0.18	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.39	18-19	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.10	15	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.11	18-19	>999	240	Weight: 272 lb	FT = 20%

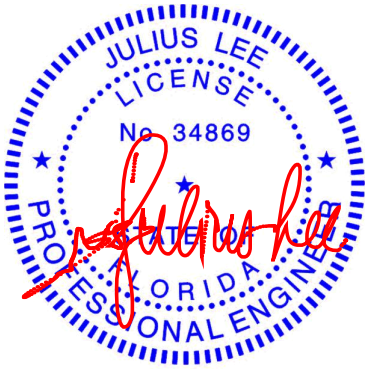
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-8-12 oc bracing.
WEBS 1 Row at midpt 6-16, 7-14

REACTIONS. (size) 2=0-4-0, 15=0-3-0, 11=0-4-0
Max Horz 2=104(LC 11)
Max Uplift 2=-127(LC 12), 15=-77(LC 12), 11=-91(LC 12)
Max Grav 2=1491(LC 23), 15=2382(LC 1), 11=374(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2509/204, 3-4=-2225/218, 4-5=-2572/247, 5-6=-2572/248, 6-7=-1188/156, 7-8=-62/1461, 8-9=-73/1489, 9-10=-69/571, 10-11=-255/335
BOT CHORD 2-21=-96/2149, 20-21=-96/2149, 19-20=-46/1960, 18-19=-64/2297, 16-18=-64/2297, 14-15=-2321/186, 8-14=-365/117, 13-14=-515/163, 11-13=-298/199
WEBS 3-20=-324/84, 4-20=-10/366, 4-19=-61/789, 5-19=-442/142, 6-19=-39/355, 6-18=0/269, 6-16=-1353/93, 7-16=0/607, 14-16=-9/1229, 7-14=-2722/214, 9-14=-1206/84, 9-13=0/301, 10-13=-524/220

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 2-11-13, Zone1 2-11-13 to 9-0-0, Zone2 9-0-0 to 15-11-0, Zone1 15-11-0 to 40-10-0, Zone2 40-10-0 to 47-10-9, Zone1 47-10-9 to 51-10-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 15, and 11. This connection is for uplift only and does not consider lateral forces.



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Date:

November 6,2024

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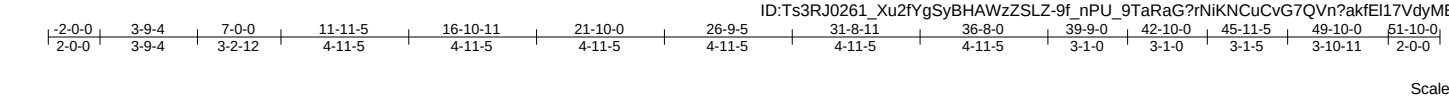
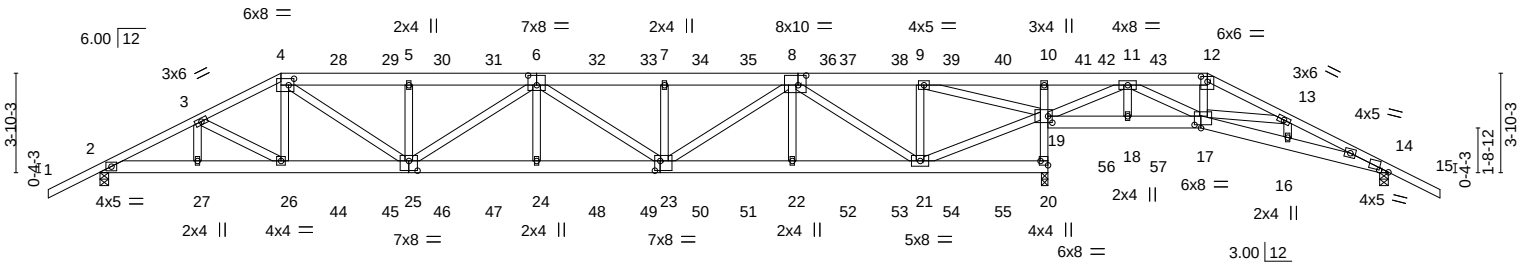
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	A20	Hip Girder	1	2	T35469246
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:32 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-9f_nPU_9TaRaG?rNiKNCuCvG7QVn?akfEl17VdyMEEz



Scale = 1:89.1



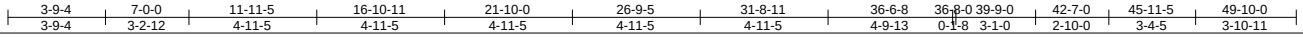


Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [6:0-4-0,0-4-8], [8:0-3-12,0-4-8], [12:0-3-0,0-2-7], [14:0-4-6,0-0-1], [17:0-3-0,0-1-8], [19:0-2-0,0-3-0], [20:Edge,0-3-8], [23:0-2-8,0-4-8], [25:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.20	24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.40	23-24	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.63	Horz(CT)	0.09	20	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.13	24	>999	240	Weight: 684 lb	FT = 20%

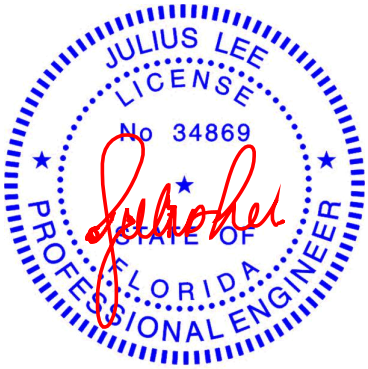
LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-4,12-15: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 10-20: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-4-7 oc bracing.

REACTIONS. (size) 2=0-4-0, 20=0-3-0, 14=0-4-0
Max Horz 2=85(LC 7)
Max Uplift 2=-208(LC 8), 20=-287(LC 8), 14=-83(LC 27)
Max Grav 2=2712(LC 19), 20=4951(LC 1), 14=393(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5156/255, 3-4=-5157/302, 4-5=-6495/457, 5-6=-6492/457, 6-7=-6572/527, 7-8=-6572/527, 8-9=-1848/238, 9-10=-137/4097, 10-11=-152/4162, 11-12=-90/321, 12-13=-95/281, 13-14=-438/0
BOT CHORD 2-27=-157/4538, 26-27=-157/4538, 25-26=-160/4631, 24-25=-422/7129, 23-24=-422/7129, 22-23=-316/4839, 21-22=-316/4839, 19-20=-4820/356, 10-19=-788/172, 18-19=-1837/216, 17-18=-1837/216, 16-17=0/357, 14-16=0/347
WEBS 4-26=0/614, 4-25=-216/2290, 5-25=-667/207, 6-25=-788/101, 6-24=0/428, 6-23=-685/16, 7-23=-589/189, 8-23=-111/2110, 8-22=0/434, 8-21=-3637/239, 9-21=0/1583, 19-21=-140/2103, 9-19=-6236/396, 11-19=-2613/61, 11-17=-9/1861, 12-17=-540/174, 13-17=-430/24

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, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: November 6,2024

Continued on page 2

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NOTES-

9) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 20, and 14. This connection is for uplift only and does not consider lateral forces.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 249 lb down and 172 lb up at 7-0-0, 122 lb down and 83 lb up at 9-0-12, 122 lb down and 83 lb up at 11-0-12, 122 lb down and 83 lb up at 13-0-12, 122 lb down and 83 lb up at 15-0-12, 122 lb down and 83 lb up at 17-0-12, 122 lb down and 83 lb up at 19-0-12, 122 lb down and 83 lb up at 21-0-12, 122 lb down and 83 lb up at 23-0-12, 122 lb down and 83 lb up at 24-11-0, 122 lb down and 83 lb up at 26-9-4, 122 lb down and 83 lb up at 28-9-4, 122 lb down and 83 lb up at 30-9-4, 122 lb down and 83 lb up at 32-9-4, 122 lb down and 83 lb up at 34-9-4, 122 lb down and 83 lb up at 36-9-4, 122 lb down and 83 lb up at 38-9-4, and 122 lb down and 83 lb up at 40-9-4, and 256 lb down and 176 lb up at 42-10-0 on top chord, and 310 lb down at 7-0-0, 95 lb down at 9-0-12, 95 lb down at 11-0-12, 95 lb down at 13-0-12, 95 lb down at 15-0-12, 95 lb down at 17-0-12, 95 lb down at 19-0-12, 95 lb down at 21-0-12, 95 lb down at 23-0-12, 95 lb down at 24-11-0, 95 lb down at 26-9-4, 95 lb down at 28-9-4, 95 lb down at 30-9-4, 95 lb down at 32-9-4, 95 lb down at 34-9-4, 95 lb down at 36-6-4, 95 lb down at 38-9-4, and 95 lb down at 40-9-4, and 311 lb down at 42-7-0 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: 1-4=-60, 4-12=-60, 12-15=-60, 2-20=-20, 17-19=-20, 14-17=-20
   Concentrated Loads (lb)
   Vert: 4=-202(B) 12=-209(B) 20=-48(B) 10=-122(B) 26=-262(B) 6=-122(B) 24=-48(B) 22=-48(B) 8=-122(B) 17=-260(B) 28=-122(B) 29=-122(B) 30=-122(B) 31=-122(B) 32=-122(B) 33=-122(B) 34=-122(B) 35=-122(B) 37=-122(B) 38=-122(B) 39=-122(B) 40=-122(B) 42=-122(B) 43=-122(B) 44=-48(B) 45=-48(B) 46=-48(B) 47=-48(B) 48=-48(B) 49=-48(B) 50=-48(B) 51=-48(B) 52=-48(B) 53=-48(B) 54=-48(B) 55=-48(B) 56=-48(B) 57=-48(B)

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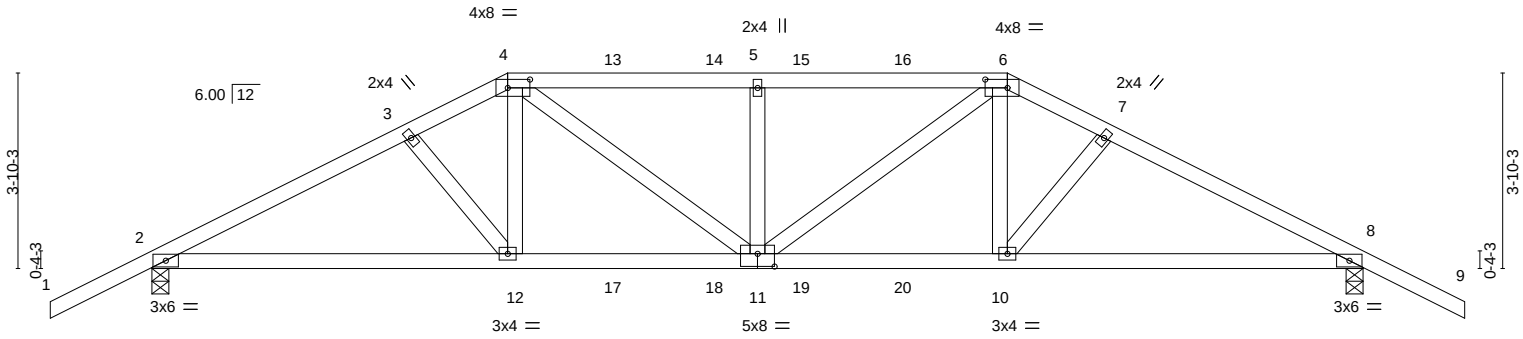
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	B01	Hip Girder	1	1	T35469247
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:33 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-drY9dq?nDuaRu9QZG2vRRQRP3qnvk81pTPng13yMEEy

-2-0-0	5-1-3	7-0-0	11-11-0	16-10-0	18-8-13	23-10-0	25-10-0
2-0-0	5-1-3	1-10-13	4-11-0	4-11-0	1-10-13	5-1-3	2-0-0

Scale = 1:45.3



7-0-0	11-11-0	16-10-0	23-10-0
7-0-0	4-11-0	4-11-0	7-0-0

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

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	0.83	Vert(LL)	-0.15	11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.30	10-11	>934	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.18	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.09	11	>999	240	Weight: 120 lb	FT = 20%

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

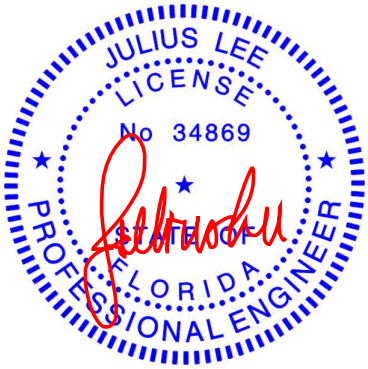
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-3-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 8=0-4-0
Max Horz 2=-74(LC 25)
Max Uplift 2=-122(LC 8), 8=-122(LC 8)
Max Grav 2=1873(LC 1), 8=1873(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3341/108, 3-4=-3185/105, 4-5=-3463/168, 5-6=-3463/168, 6-7=-3185/105, 7-8=-3342/108
BOT CHORD 2-12=-17/2892, 11-12=0/2849, 10-11=0/2849, 8-10=-15/2892
WEBS 4-12=0/651, 4-11=-86/793, 5-11=-676/223, 6-11=-86/793, 6-10=0/651

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 249 lb down and 169 lb up at 7-0-0, 122 lb down and 83 lb up at 9-0-12, 122 lb down and 83 lb up at 11-0-12, 122 lb down and 83 lb up at 12-9-4, and 122 lb down and 83 lb up at 14-9-4, and 249 lb down and 169 lb up at 16-10-0 on top chord, and 310 lb down at 7-0-0, 95 lb down at 9-0-12, 95 lb down at 11-0-12, 95 lb down at 12-9-4, and 95 lb down at 14-9-4, and 310 lb down at 16-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 6-9=-60, 2-8=-20



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

November 6,2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 4=-202(F) 6=-202(F) 12=-262(F) 10=-262(F) 13=-122(F) 14=-122(F) 15=-122(F) 16=-122(F) 17=-48(F) 18=-48(F) 19=-48(F) 20=-48(F)

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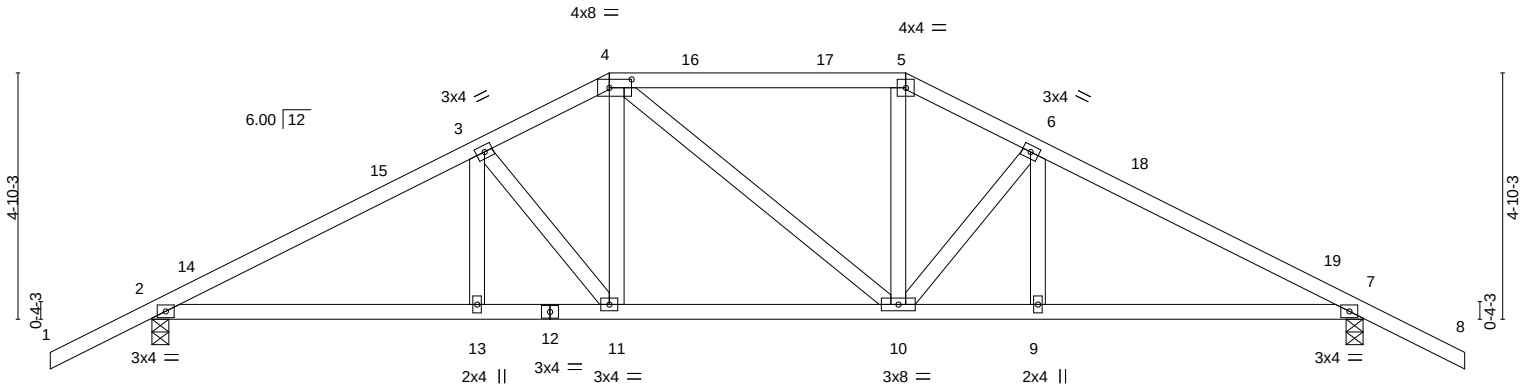
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	B02	Hip	1	1	T35469248
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:33 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-drY9dq?nDuaRu9QZG2vRRQRTuqt2k99pTPng13yMEEy

-2-0-0	6-4-13	9-0-0	14-10-0	17-5-4	23-10-0	25-10-0
2-0-0	6-4-13	2-7-4	5-10-0	2-7-3	6-4-13	2-0-0

Scale = 1:45.3



6-4-13	9-0-0	14-10-0	17-5-4	23-10-0
6-4-13	2-7-4	5-10-0	2-7-3	6-4-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.06	2-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.14	2-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.03	11	>999	240	Weight: 124 lb	FT = 20%

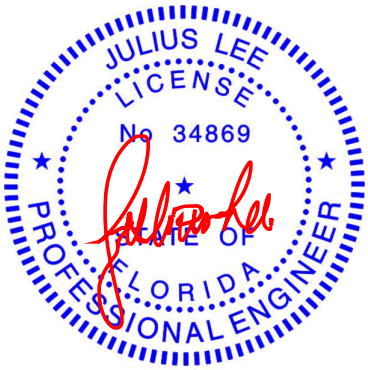
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-4-0, 7=0-4-0
Max Horz 2=-91(LC 10)
Max Uplift 2=-102(LC 12), 7=-102(LC 12)
Max Grav 2=1070(LC 1), 7=1070(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1602/136, 3-4=-1304/156, 4-5=-1135/149, 5-6=-1305/156, 6-7=-1602/136
BOT CHORD 2-13=-34/1345, 11-13=-34/1345, 10-11=0/1135, 9-10=-49/1345, 7-9=-49/1345
WEBS 3-11=-345/66, 4-11=-3/358, 5-10=0/358, 6-10=-344/67

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 14-10-0, Zone2 14-10-0 to 19-0-15, Zone1 19-0-15 to 25-10-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 7. This connection is for uplift only and does not consider lateral forces.



Julius Lee PE No. 34869
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Date:

November 6,2024

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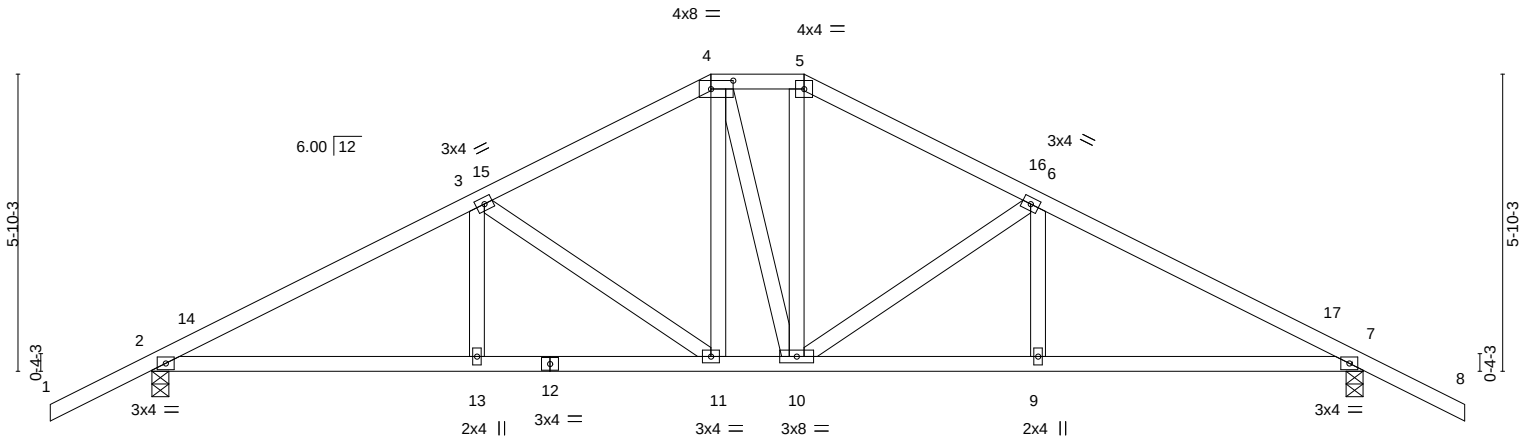
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	B03	Hip	1	1	T35469249
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:34 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-525XqA?Q_CiIWJ?lqlQgzd_hrDEbTZryi3WEZVyMEEx

-2-0-0 | 6-4-12 | 11-0-0 | 12-10-0 | 17-5-4 | 23-10-0 | 25-10-0
2-0-0 | 6-4-12 | 4-7-4 | 1-10-0 | 4-7-4 | 6-4-12 | 2-0-0

Scale = 1:45.3



6-4-12 | 11-0-0 | 12-10-0 | 17-5-4 | 23-10-0
6-4-12 | 4-7-4 | 1-10-0 | 4-7-4 | 6-4-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.06	11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.13	7-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.03	11	>999	240	Weight: 130 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 7=0-4-0
Max Horz 2=107(LC 11)
Max Uplift 2=-102(LC 12), 7=-102(LC 12)
Max Grav 2=1070(LC 1), 7=1070(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1614/122, 3-4=-1154/136, 4-5=-975/143, 5-6=-1156/136, 6-7=-1613/122
BOT CHORD 2-13=-23/1357, 11-13=-23/1357, 10-11=0/972, 9-10=-38/1356, 7-9=-38/1356
WEBS 3-13=0/254, 3-11=-481/76, 4-11=-9/315, 5-10=-9/320, 6-10=-478/76, 6-9=0/252

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 11-0-0, Zone3 11-0-0 to 12-10-0, Zone2 12-10-0 to 17-0-15, Zone1 17-0-15 to 25-10-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 7. This connection is for uplift only and does not consider lateral forces.

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Date:

November 6,2024

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Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	B04	Common	4	1	T35469250
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:34 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-525XqA?Q_CilWJ?lqlQgzd_hBDDuTaayi3WEZVyMEEx

-2-0-0	5-0-8	8-4-13	11-11-0	15-5-4	18-9-8	23-10-0	25-10-0
2-0-0	5-0-8	3-4-4	3-6-4	3-6-4	3-4-4	5-0-8	2-0-0

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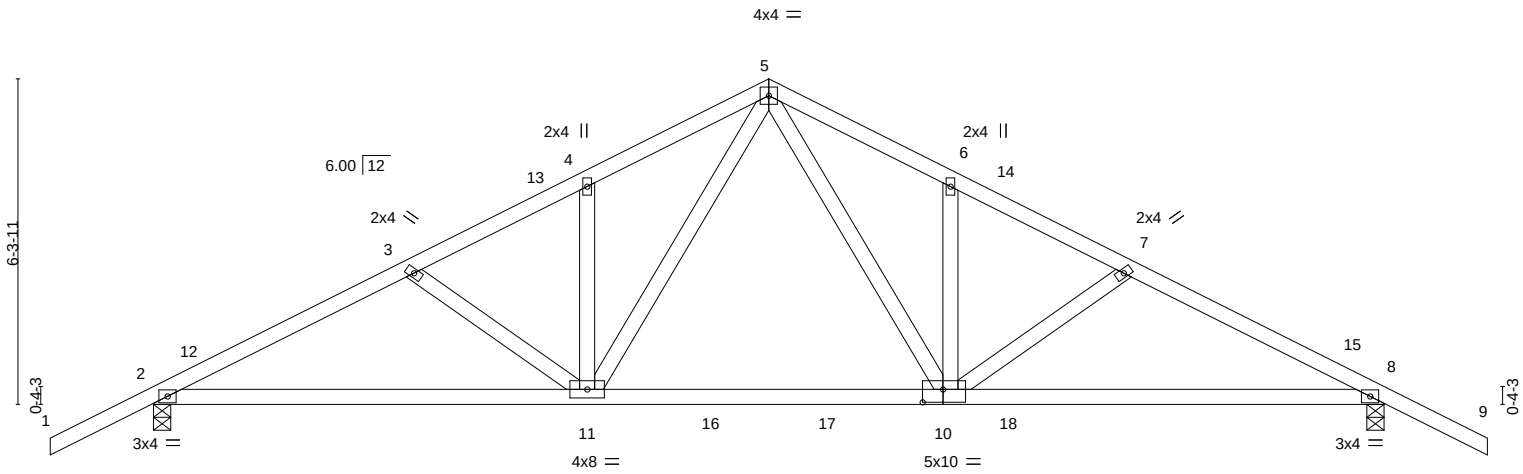


8-1-8	15-8-8	23-10-0
8-1-8	7-7-0	8-1-8

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

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	0.35	Vert(LL)	-0.12	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.34	10-11	>838	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.04	10-11	>999	240	Weight: 126 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

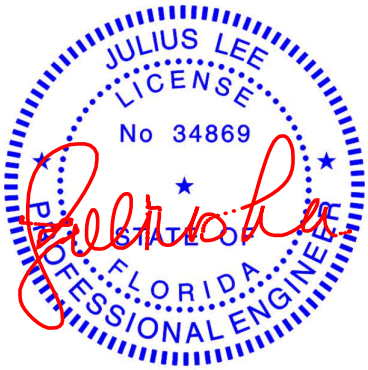
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 8=0-4-0
Max Horz 2=-114(LC 10)
Max Grav 2=1390(LC 17), 8=1413(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2273/0, 3-4=-2071/0, 4-5=-2078/0, 5-6=-2107/0, 6-7=-2107/0, 7-8=-2315/0
BOT CHORD 2-11=0/2039, 10-11=0/1394, 8-10=0/1991
WEBS 5-10=0/1035, 5-11=0/953

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 11-11-0, Zone2 11-11-0 to 16-1-15, Zone1 16-1-15 to 25-10-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-9=-60, 2-11=-20, 11-18=-80, 8-18=-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: 1-5=-50, 5-9=-50, 2-11=-35, 11-16=-95, 16-17=-110, 17-18=-95, 8-18=-35
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-9=-20, 2-11=-40, 11-18=-100, 8-18=-40
4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60



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November 6,2024

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LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-2=47, 2-12=32, 5-12=17, 5-14=26, 8-14=17, 8-9=12, 2-11=-12, 11-18=-72, 8-18=-12
Horz: 1-2=-55, 2-12=-40, 5-12=-25, 5-14=35, 8-14=25, 8-9=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=12, 2-13=17, 5-13=26, 5-15=17, 8-15=32, 8-9=47, 2-11=-12, 11-18=-72, 8-18=-12
Horz: 1-2=-21, 2-13=-25, 5-13=-35, 5-15=25, 8-15=40, 8-9=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, 2-5=-32, 5-8=-32, 8-9=-28, 2-11=-20, 11-18=-80, 8-18=-20
Horz: 1-2=-12, 2-5=12, 5-8=-12, 8-9=-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, 2-5=-32, 5-8=-32, 8-9=-8, 2-11=-20, 11-18=-80, 8-18=-20
Horz: 1-2=8, 2-5=12, 5-8=-12, 8-9=12

8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-5=3, 5-8=9, 8-9=4, 2-11=-12, 11-18=-72, 8-18=-12
Horz: 1-2=-24, 2-5=-11, 5-8=17, 8-9=13

9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-5=9, 5-8=3, 8-9=15, 2-11=-12, 11-18=-72, 8-18=-12
Horz: 1-2=-13, 2-5=-17, 5-8=11, 8-9=24

10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-5=-28, 5-8=-12, 8-9=-7, 2-11=-20, 11-18=-80, 8-18=-20
Horz: 1-2=4, 2-5=8, 5-8=8, 8-9=13

11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-5=-12, 5-8=-28, 8-9=-24, 2-11=-20, 11-18=-80, 8-18=-20
Horz: 1-2=-13, 2-5=-8, 5-8=-8, 8-9=-4

12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=28, 2-5=15, 5-8=15, 8-9=28, 2-11=-12, 11-18=-72, 8-18=-12
Horz: 1-2=-37, 2-5=-24, 5-8=24, 8-9=37

13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-5=3, 5-8=3, 8-9=15, 2-11=-12, 11-18=-72, 8-18=-12
Horz: 1-2=-24, 2-5=-11, 5-8=11, 8-9=24

14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-5=-21, 5-8=-21, 8-9=-16, 2-11=-20, 11-18=-80, 8-18=-20
Horz: 1-2=-4, 2-5=1, 5-8=-1, 8-9=4

15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-5=-21, 5-8=-21, 8-9=-16, 2-11=-20, 11-18=-80, 8-18=-20
Horz: 1-2=-4, 2-5=1, 5-8=-1, 8-9=4

16) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-9=-20, 2-11=-40, 11-16=-100, 16-17=-120, 17-18=-100, 8-18=-40

17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-5=-56, 5-8=-44, 8-9=-40, 2-11=-35, 11-16=-95, 16-17=-110, 17-18=-95, 8-18=-35
Horz: 1-2=3, 2-5=6, 5-8=6, 8-9=10

18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-5=-44, 5-8=-56, 8-9=-53, 2-11=-35, 11-16=-95, 16-17=-110, 17-18=-95, 8-18=-35
Horz: 1-2=-10, 2-5=-6, 5-8=-6, 8-9=-3

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-5=-51, 5-8=-51, 8-9=-47, 2-11=-35, 11-16=-95, 16-17=-110, 17-18=-95, 8-18=-35
Horz: 1-2=-3, 2-5=1, 5-8=-1, 8-9=3

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-5=-51, 5-8=-51, 8-9=-47, 2-11=-35, 11-16=-95, 16-17=-110, 17-18=-95, 8-18=-35
Horz: 1-2=-3, 2-5=1, 5-8=-1, 8-9=3

21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-5=-25, 5-9=-25, 2-11=-12, 11-18=-72, 8-18=-12
Horz: 1-2=-16, 2-5=16, 5-9=-16

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

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LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-5=8, 5-9=8, 2-11=-12, 11-18=-72, 8-18=-12
Horz: 1-5=-16, 5-9=16

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-9=-20, 2-11=-20, 11-18=-80, 8-18=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-9=-60, 2-11=-20, 11-18=-80, 8-18=-20

25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-50, 5-9=-20, 2-11=-35, 11-16=-95, 16-17=-110, 17-18=-95, 8-18=-35

26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-9=-50, 2-11=-35, 11-16=-95, 16-17=-110, 17-18=-95, 8-18=-35

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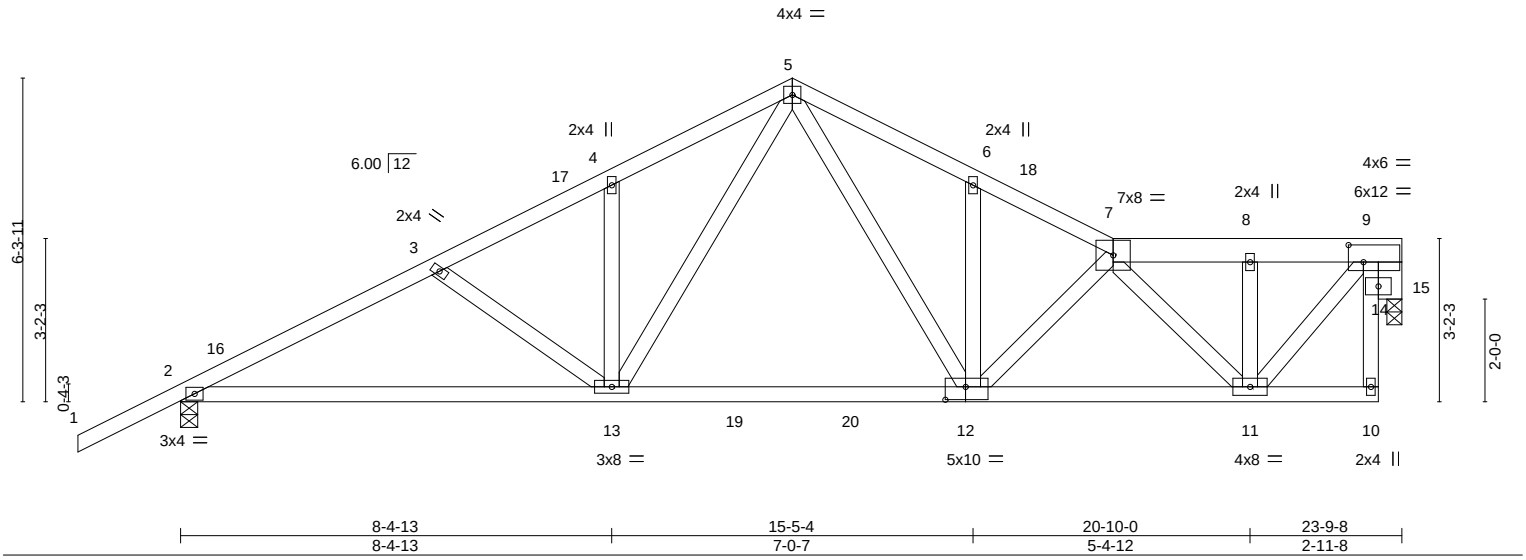
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	B05	Roof Special	1	1	T35469251
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:35 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-ZEfv1W02lVq97TZyOSxvWrXqddZSC?66wjGn5xyMEEw

-2-0-0	5-0-8	8-4-13	11-11-0	15-5-4	18-2-0	20-10-0	23-9-8
2-0-0	5-0-8	3-4-5	3-6-4	3-6-4	2-8-12	2-8-0	2-11-8

Scale = 1:44.9



8-4-13	15-5-4	20-10-0	23-9-8
8-4-13	7-0-7	5-4-12	2-11-8

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

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	0.50	Vert(LL)	-0.10	2-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.35	12-13	>812	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.33	Horz(CT)	0.04	15	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.04	12-13	>999	240	Weight: 144 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 7-9: 2x6 SP No.2
BOT CHORD	2x4 SP M 31 or 2x4 SP SS
WEBS	2x4 SP No.2
OTHERS	2x6 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-9-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 15=0-3-8
Max Horz 2=102(LC 12)
Max Grav 2=1373(LC 17), 15=1183(LC 19)

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

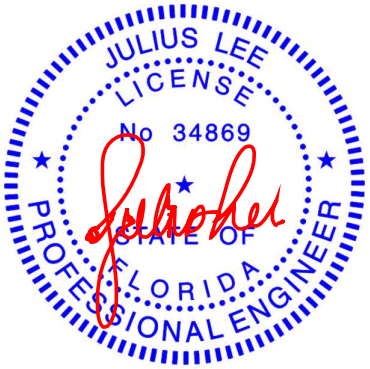
TOP CHORD	2-3=-2240/0, 3-4=-2038/0, 4-5=-2045/0, 5-6=-1994/0, 6-7=-1989/0, 7-8=-1108/0, 8-9=-1107/0
BOT CHORD	2-13=0/1983, 12-13=0/1329, 11-12=0/1900
WEBS	5-13=0/969, 5-12=0/935, 7-11=-1158/0, 8-11=-276/33, 9-11=0/1484, 9-15=-1265/0

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 11-11-0, Zone2 11-11-0 to 16-1-15, Zone1 16-1-15 to 23-2-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-60, 5-7=-60, 7-9=-60, 2-13=-20, 12-13=-80, 10-12=-20
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25



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Date:

November 6,2024

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LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-5=-50, 5-7=-50, 7-9=-50, 2-13=-35, 13-19=-95, 19-20=-110, 12-20=-95, 10-12=-35

3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-7=-20, 7-9=-20, 2-13=-40, 12-13=-100, 10-12=-40

4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=47, 2-16=32, 5-16=17, 5-18=26, 7-18=17, 7-9=17, 2-13=-12, 12-13=-72, 10-12=-12
Horz: 1-2=-55, 2-16=-40, 5-16=-25, 5-18=35, 7-18=25
Drag: 7-8=0

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=12, 2-17=17, 5-17=26, 5-7=17, 7-9=17, 2-13=-12, 12-13=-72, 10-12=-12
Horz: 1-2=-21, 2-17=-25, 5-17=-35, 5-7=25
Drag: 7-8=0

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, 2-5=-32, 5-7=-32, 7-9=-32, 2-13=-20, 12-13=-80, 10-12=-20
Horz: 1-2=-12, 2-5=12, 5-7=-12
Drag: 7-8=-0

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, 2-5=-32, 5-7=-32, 7-9=-32, 2-13=-20, 12-13=-80, 10-12=-20
Horz: 1-2=8, 2-5=12, 5-7=-12
Drag: 7-8=-0

8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-5=3, 5-7=9, 7-9=8, 2-13=-12, 12-13=-72, 10-12=-12
Horz: 1-2=-24, 2-5=-11, 5-7=17
Drag: 7-8=0

9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-5=9, 5-7=3, 7-9=18, 2-13=-12, 12-13=-72, 10-12=-12
Horz: 1-2=-13, 2-5=-17, 5-7=11
Drag: 7-8=0

10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-5=-28, 5-7=-12, 7-9=-21, 2-13=-20, 12-13=-80, 10-12=-20
Horz: 1-2=4, 2-5=8, 5-7=8

11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-7, 2-5=-12, 5-7=-28, 7-9=-21, 2-13=-20, 12-13=-80, 10-12=-20
Horz: 1-2=-13, 2-5=-8, 5-7=-8

12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=28, 2-5=15, 5-7=15, 7-9=15, 2-13=-12, 12-13=-72, 10-12=-12
Horz: 1-2=-37, 2-5=-24, 5-7=24
Drag: 7-8=0

13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-5=3, 5-7=3, 7-9=3, 2-13=-12, 12-13=-72, 10-12=-12
Horz: 1-2=-24, 2-5=-11, 5-7=11
Drag: 7-8=0

14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-5=-21, 5-7=-21, 7-9=-21, 2-13=-20, 12-13=-80, 10-12=-20
Horz: 1-2=-4, 2-5=1, 5-7=-1

15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-5=-21, 5-7=-21, 7-9=-21, 2-13=-20, 12-13=-80, 10-12=-20
Horz: 1-2=-4, 2-5=1, 5-7=-1

16) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-7=-20, 7-9=-20, 2-13=-40, 13-19=-100, 19-20=-120, 12-20=-100, 10-12=-40

17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-5=-56, 5-7=-44, 7-9=-51, 2-13=-35, 13-19=-95, 19-20=-110, 12-20=-95, 10-12=-35
Horz: 1-2=3, 2-5=6, 5-7=6

18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-5=-44, 5-7=-56, 7-9=-51, 2-13=-35, 13-19=-95, 19-20=-110, 12-20=-95, 10-12=-35
Horz: 1-2=-10, 2-5=-6, 5-7=-6

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LOAD CASE(S) Standard

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-5=-51, 5-7=-51, 7-9=-51, 2-13=-35, 13-19=-95, 19-20=-110, 12-20=-95, 10-12=-35
Horz: 1-2=-3, 2-5=1, 5-7=-1

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-5=-51, 5-7=-51, 7-9=-51, 2-13=-35, 13-19=-95, 19-20=-110, 12-20=-95, 10-12=-35
Horz: 1-2=-3, 2-5=1, 5-7=-1

21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-5=-25, 5-7=-25, 7-9=-25, 2-13=-12, 12-13=-72, 10-12=-12
Horz: 1-2=-16, 2-5=16, 5-7=-16
Drag: 7-8=-0

22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=8, 5-7=8, 7-9=8, 2-13=-12, 12-13=-72, 10-12=-12
Horz: 1-5=-16, 5-7=16
Drag: 7-8=0

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-7=-20, 7-9=-20, 2-13=-20, 12-13=-80, 10-12=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-7=-60, 7-9=-60, 2-13=-20, 12-13=-80, 10-12=-20

25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-50, 5-7=-20, 7-9=-20, 2-13=-35, 13-19=-95, 19-20=-110, 12-20=-95, 10-12=-35

26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-7=-50, 7-9=-50, 2-13=-35, 13-19=-95, 19-20=-110, 12-20=-95, 10-12=-35

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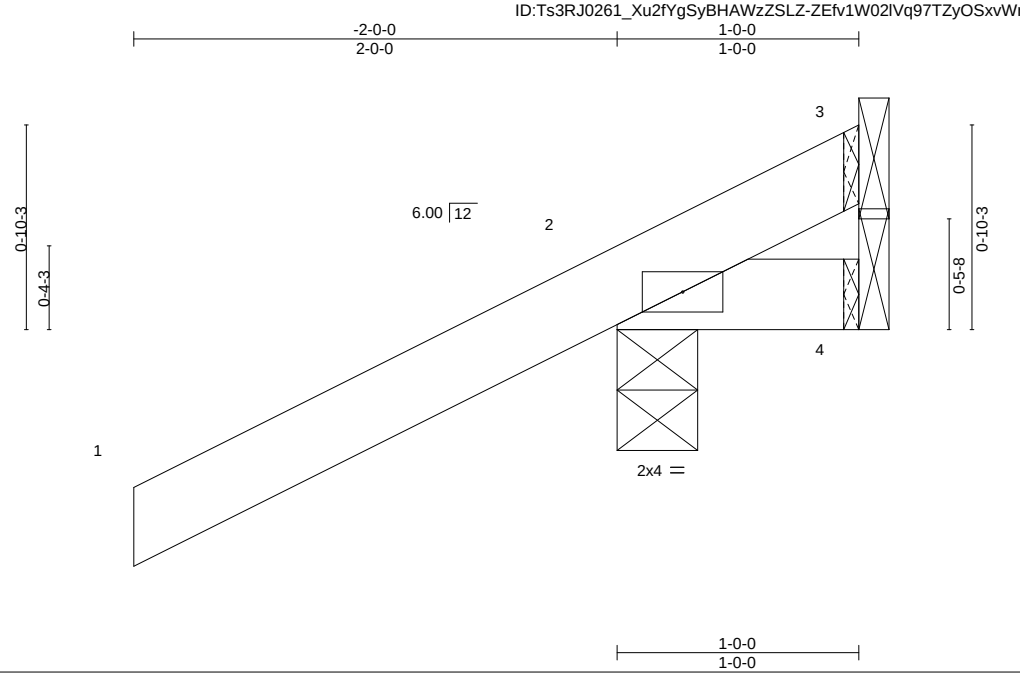
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	C1	Corner Jack	8	1	T35469252
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:35 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-ZEfv1W02lVq97TZyOSxvWrXt?dhcC4J6wjGn5xyMEEw



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	0.29	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	-0.00	2	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 7 lb	FT = 20%

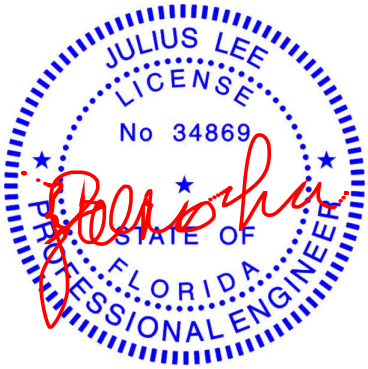
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=48(LC 12)
Max Uplift 3=-101(LC 1), 2=-134(LC 12)
Max Grav 3=68(LC 12), 2=290(LC 1), 4=19(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=101.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	C1E	Corner Jack	4	1	T35469253
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:36 2024 Page 1
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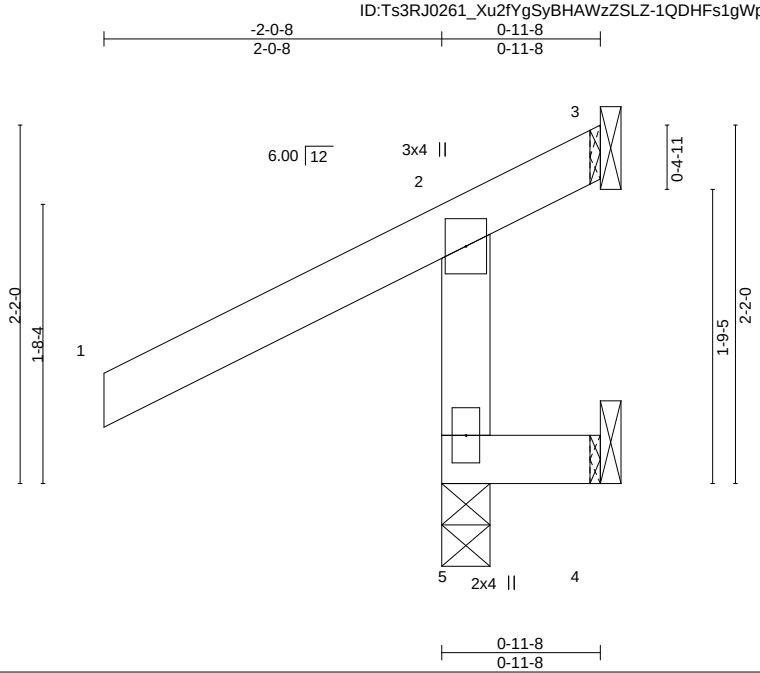


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	0.00	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.00	5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-R		Wind(LL)	0.00	5	>999	240	Weight: 8 lb	FT = 20%

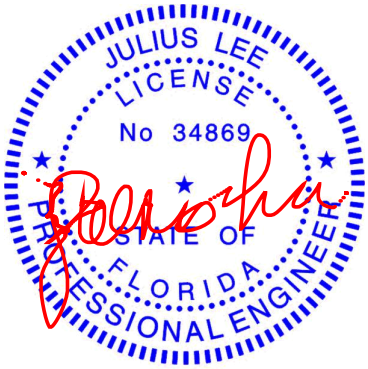
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 0-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=78(LC 12)
Max Uplift 5=-63(LC 12), 3=-127(LC 1), 4=-47(LC 12)
Max Grav 5=343(LC 1), 3=32(LC 12), 4=14(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-306/296

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left exposed ; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=127.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 4. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car	
6243065	C1V	Corner Jack	2	1	Job Reference (optional)	T35469254

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:36 2024 Page 1
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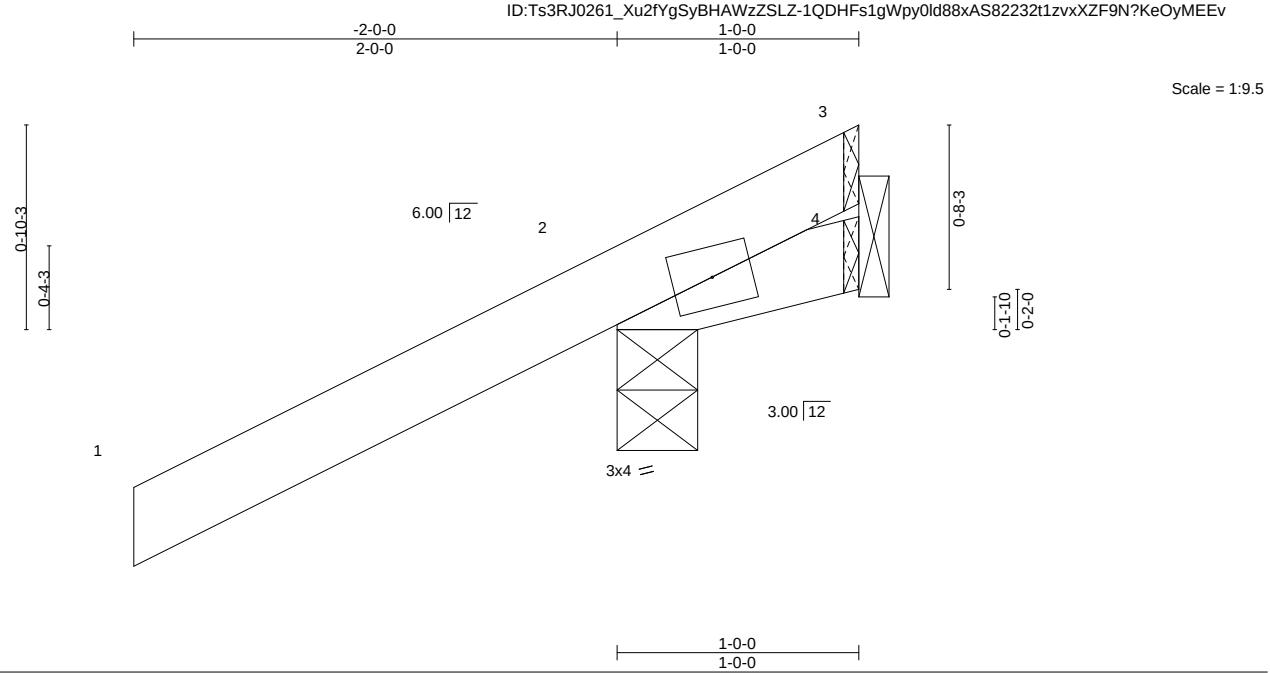


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	0.00	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 7 lb	FT = 20%

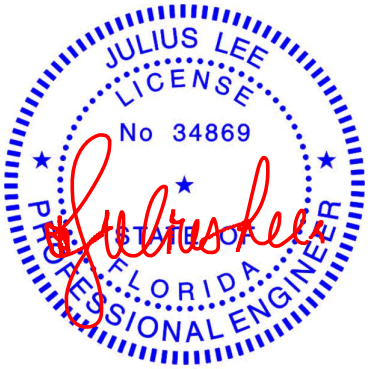
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 2=0-4-0, 4=Mechanical
Max Horz 2=81(LC 12)
Max Uplift 2=-218(LC 12), 4=-91(LC 1)
Max Grav 2=290(LC 1), 4=94(LC 12)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) 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) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car	
6243065	C3	Corner Jack	8	1	Job Reference (optional)	T35469255

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:37 2024 Page 1
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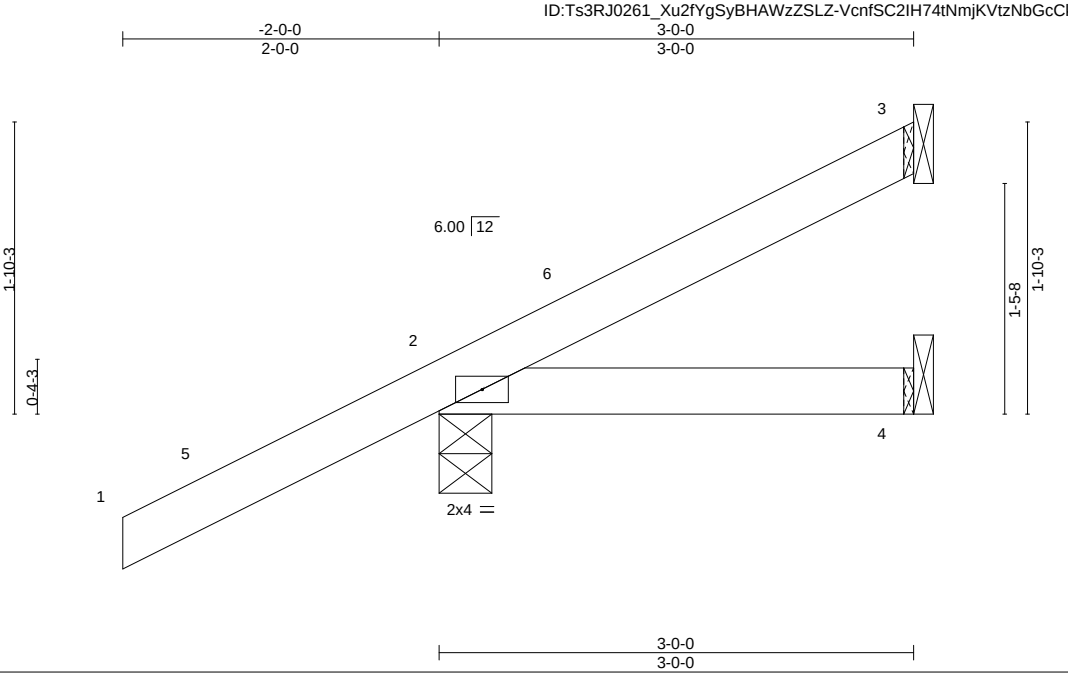


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 13 lb	FT = 20%

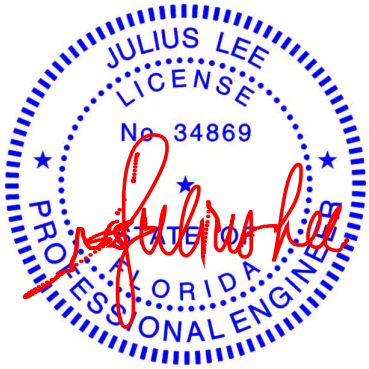
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=71(LC 12)
Max Uplift 3=-14(LC 9), 2=-86(LC 12)
Max Grav 3=35(LC 17), 2=292(LC 1), 4=55(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 2-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

November 6,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	C3V	Corner Jack	2	1	T35469256
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:37 2024 Page 1
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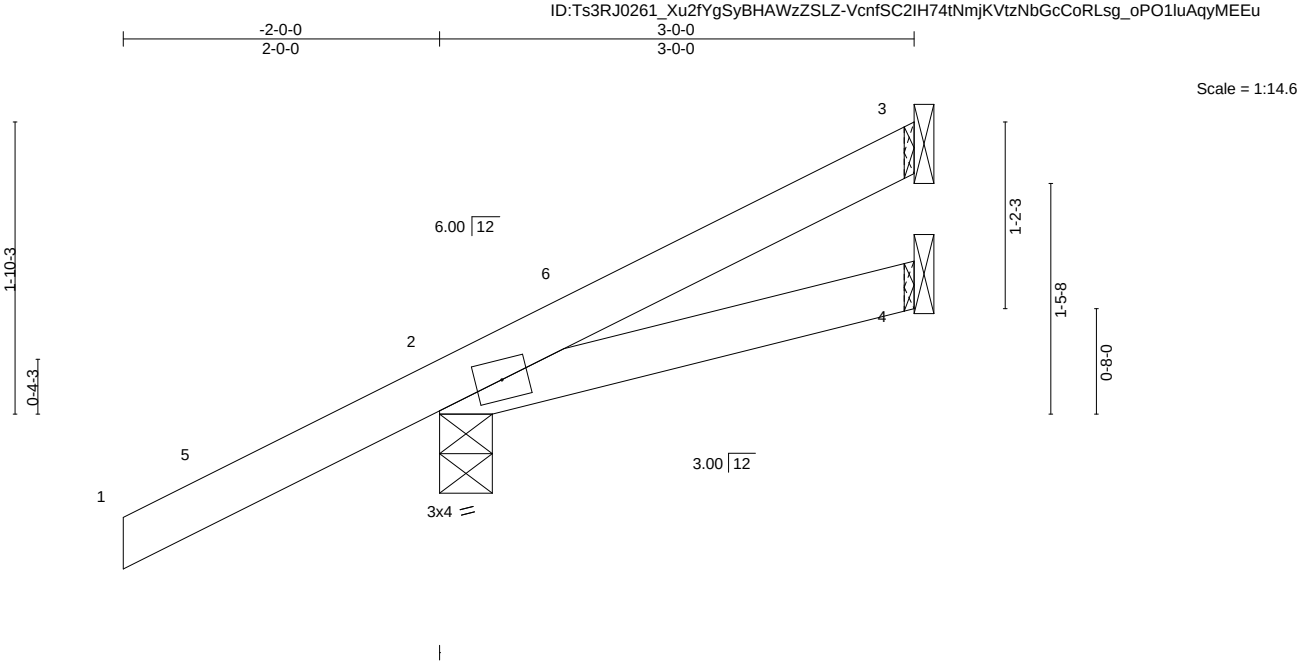


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 13 lb	FT = 20%

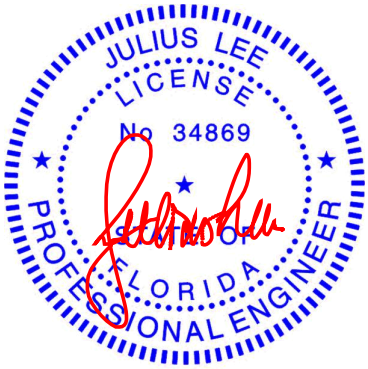
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=71(LC 12)
Max Uplift 3=-14(LC 9), 2=-85(LC 12)
Max Grav 3=35(LC 17), 2=292(LC 1), 4=55(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 2-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) 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.
8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

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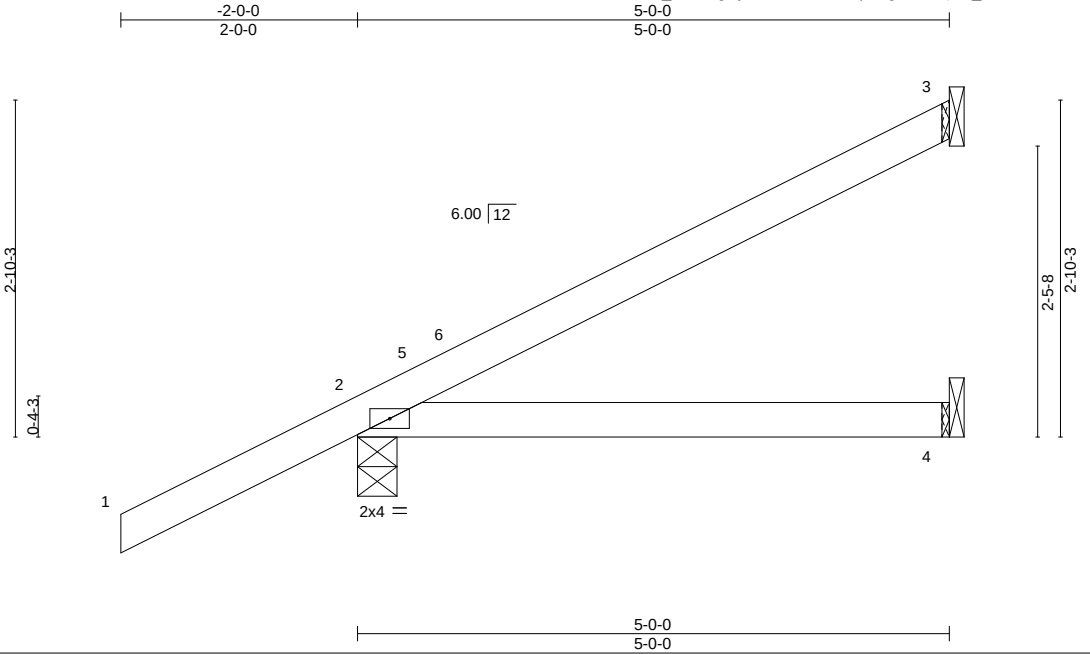
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	C5	Corner Jack	8	1	T35469257
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:38 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-zpL2gX3w2QCk_wlX3bUc8T8Nire3PR2YchURiGyMEEt



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	0.32	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.06	2-4	>921	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 19 lb	FT = 20%

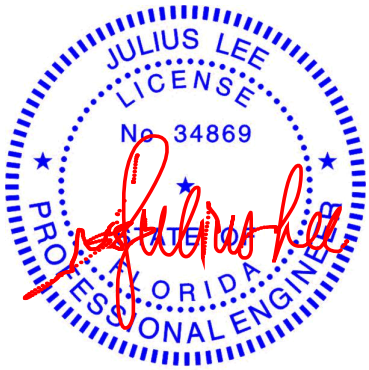
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=95(LC 12)
Max Uplift 3=-35(LC 12), 2=-71(LC 12)
Max Grav 3=114(LC 1), 2=350(LC 1), 4=95(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 4-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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Date:

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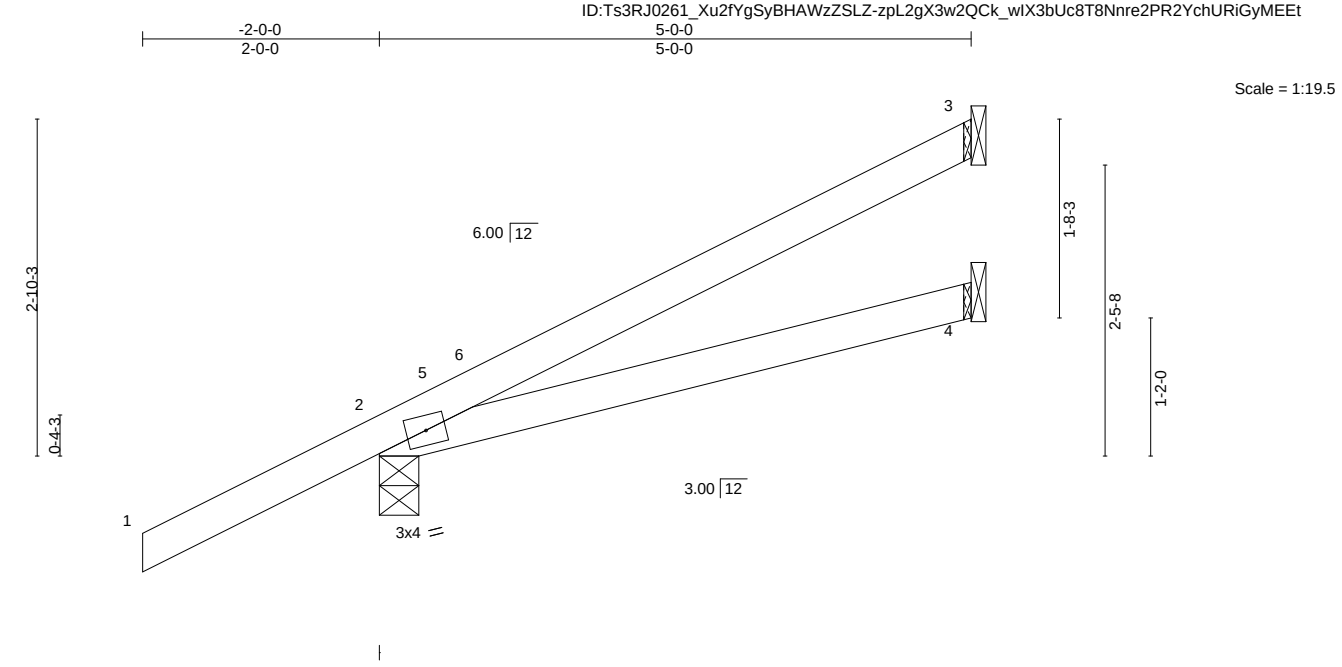
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	C5V	Corner Jack	2	1	T35469258
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:38 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-zpL2gX3w2QCk_wIX3bUc8T8Nnre2PR2YchURiGyMEEt



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)	-0.03	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.06	2-4	>894	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 20 lb	FT = 20%

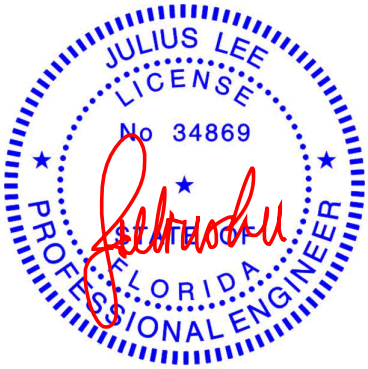
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=95(LC 12)
Max Uplift 3=-36(LC 12), 2=-70(LC 12)
Max Grav 3=114(LC 1), 2=350(LC 1), 4=95(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 4-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) 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.
8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

November 6,2024

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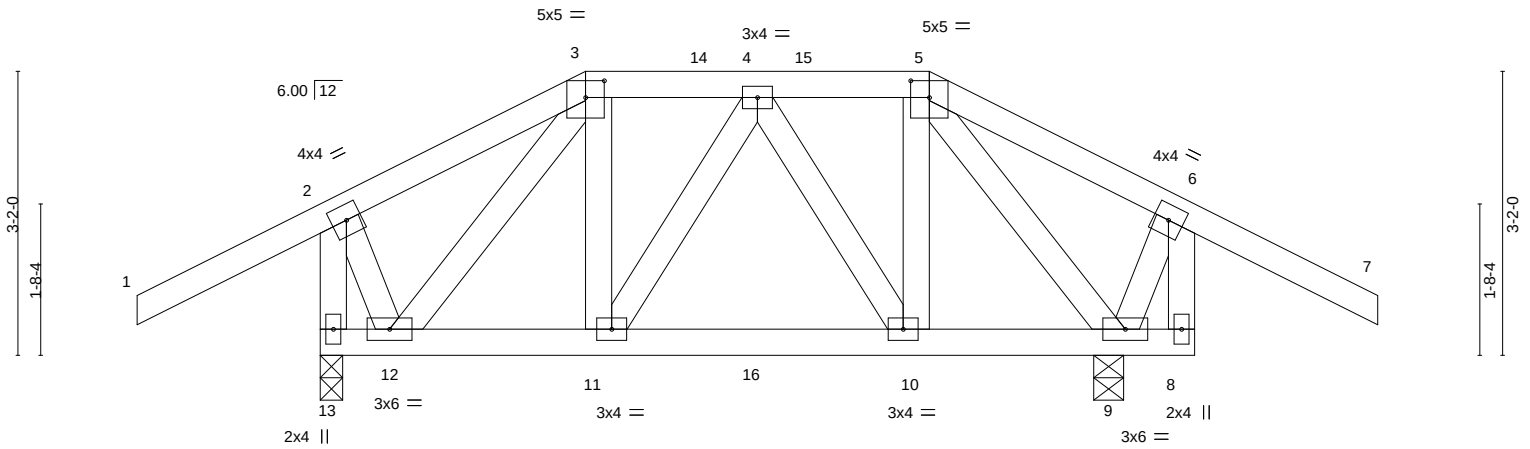
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	E01	Hip Girder	1	1	T35469259
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:39 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-R?vQtt3YpkKbc4tjdI?rghhXnE1j8tYhrLE?EjyMEEs

-2-0-8 2-11-8 4-10-8 6-9-8 9-9-0 11-9-8
2-0-8 2-11-8 1-11-0 1-11-0 2-11-8 2-0-8

Scale = 1:25.7



0-11-8 2-11-8 6-9-8 8-11-8 9-9-0
0-11-8 2-0-0 3-10-0 2-2-0 0-9-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	0.01	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 72 lb	FT = 20%

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

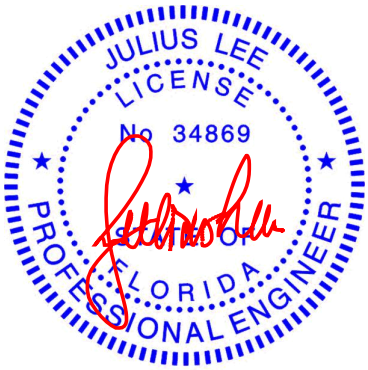
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 13=0-3-0, 9=0-4-0
Max Horz 13=82(LC 7)
Max Uplift 13=-328(LC 8), 9=-372(LC 8)
Max Grav 13=517(LC 38), 9=603(LC 39)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-283/263, 2-13=-505/322
BOT CHORD 11-12=-269/306, 10-11=-258/314, 9-10=-245/287
WEBS 3-12=-315/236, 5-9=-513/351, 2-12=-202/273

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13 and 9. This connection is for uplift only and does not consider lateral forces.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 174 lb down and 180 lb up at 2-11-8, and 48 lb down and 34 lb up at 4-10-8, and 174 lb down and 180 lb up at 6-9-8 on top chord, and 106 lb down and 311 lb up at 2-11-8, and 14 lb down and 32 lb up at 4-10-8, and 106 lb down and 311 lb up at 6-8-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-5=-60, 5-6=-60, 6-7=-60, 8-13=-20
Concentrated Loads (lb)
Vert: 3=-127(F) 5=-127(F) 11=101(F) 10=101(F) 16=2(F)



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

November 6,2024

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Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	E02	Common	1	1	T35469260
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:39 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-R?vQtt3YpkKbc4tjdI?rghhXtE0q8sahrLE?EjyMEEs

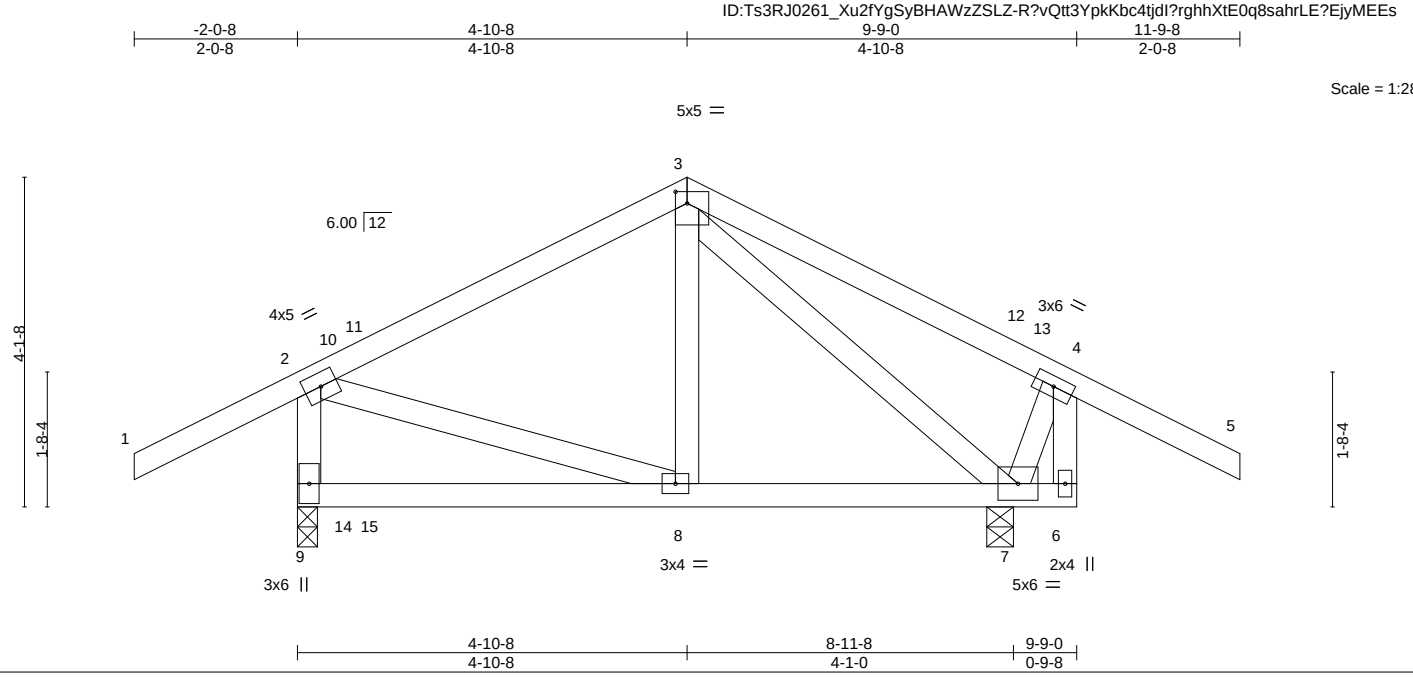


Plate Offsets (X,Y)-- [3:0-1-12,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.01	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.03	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.01	8-9	>999	240	Weight: 63 lb	FT = 20%

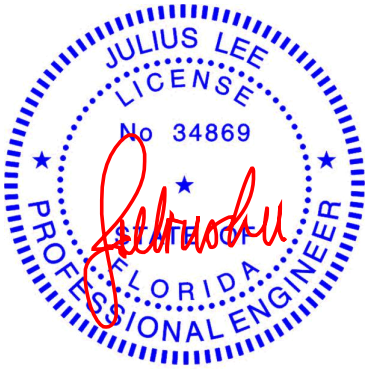
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 9=0-3-0, 7=0-4-0
Max Horz 9=97(LC 11)
Max Uplift 9=-148(LC 12), 7=-160(LC 12)
Max Grav 9=472(LC 1), 7=547(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-266/179, 2-9=-428/352
WEBS 3-7=-359/222

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-8 to 0-11-8, Zone1 0-11-8 to 4-10-8, Zone2 4-10-8 to 9-1-7, Zone1 9-1-7 to 11-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 and 7. This connection is for uplift only and does not consider lateral forces.



Julius Lee PE No. 34869
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Date:

November 6,2024

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Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	E3E	Jack-Open	3	1	T35469261
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:40 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-wBTo5D4Ba2SSEESvA0X4DuEireMbtLYr4?zYn9yMEEr

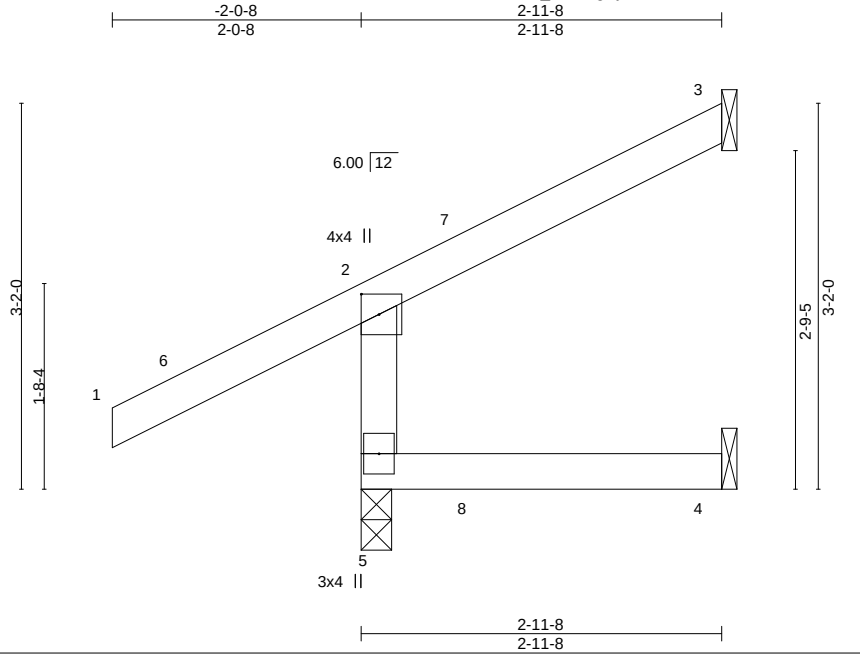


Plate Offsets (X,Y)-- [2:0-2-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	0.01	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.00	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-R							Weight: 15 lb	FT = 20%

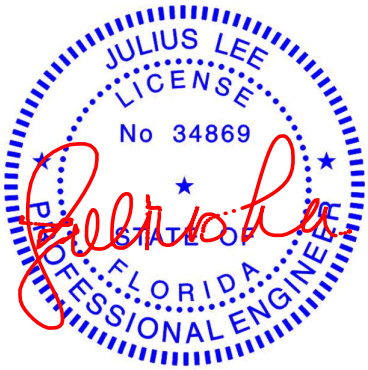
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=101(LC 12)
Max Uplift 5=-68(LC 12), 3=-27(LC 12), 4=-23(LC 12)
Max Grav 5=293(LC 1), 3=47(LC 17), 4=48(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-254/210

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-8 to 0-11-8, Zone1 0-11-8 to 2-10-12 zone; cantilever left exposed ; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 4. This connection is for uplift only and does not consider lateral forces.



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

November 6,2024

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Chesterfield, MO 63017
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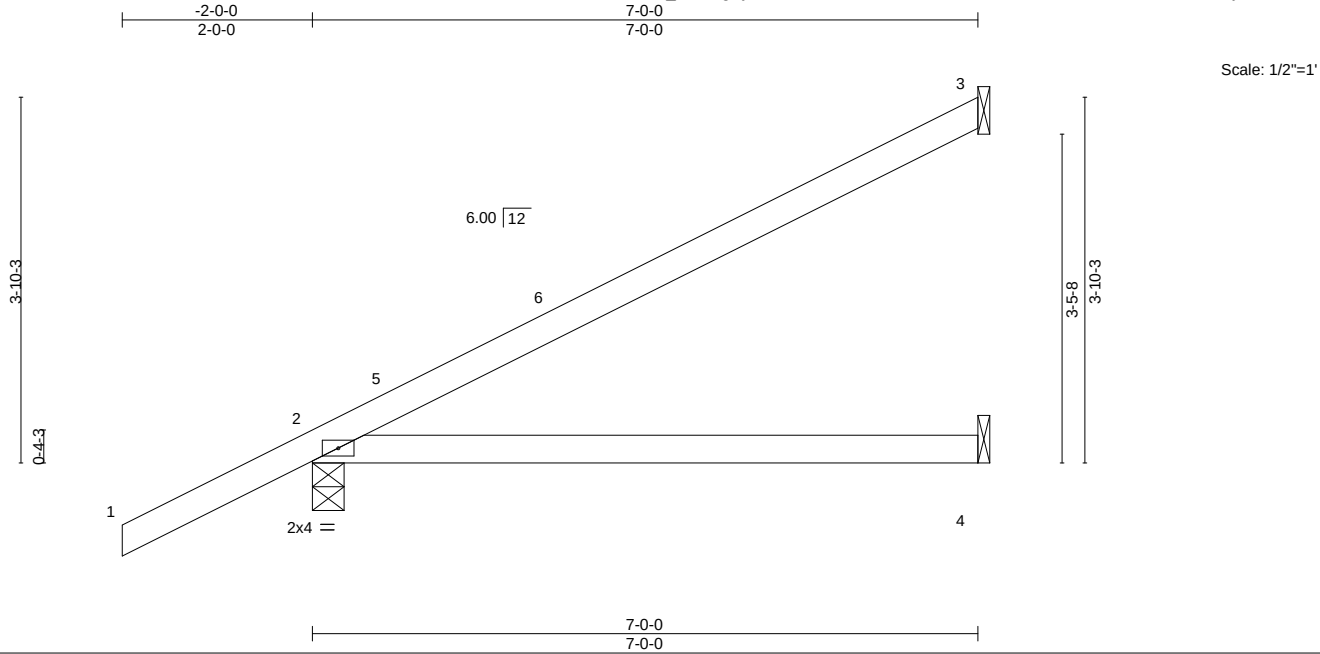
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	E7	Jack-Open	40	1	T35469262
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:40 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-wBTo5D4Ba2SSEESvA0X4DuEc7eFYtLYr4?zYn9yMEEr



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)	-0.13	2-4	>645	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.25	2-4	>322	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 26 lb	FT = 20%

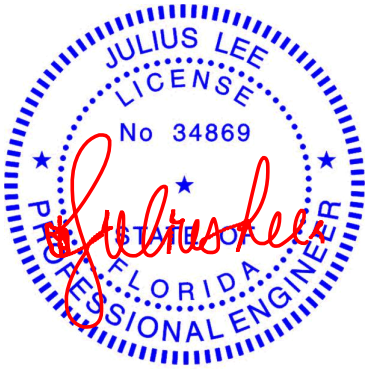
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=119(LC 12)
Max Uplift 3=-62(LC 12), 2=-63(LC 12)
Max Grav 3=182(LC 1), 2=422(LC 1), 4=135(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 6-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



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Date:

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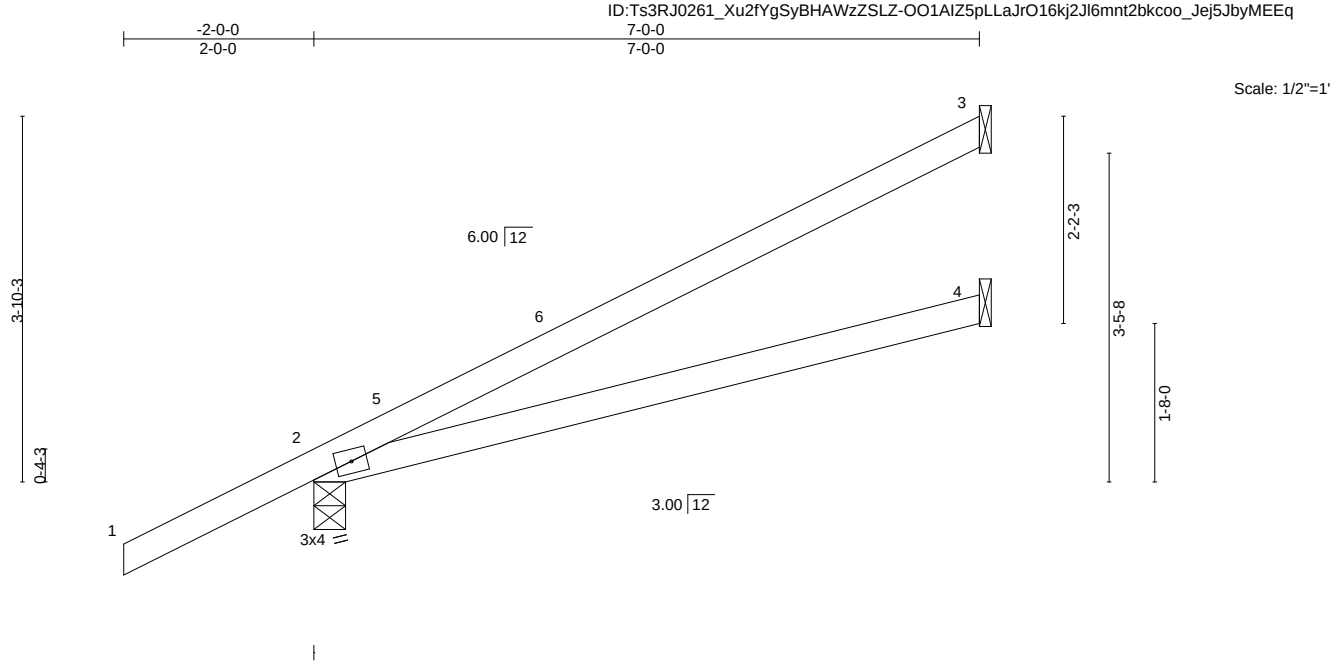
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	E7V	Jack-Open	4	1	T35469263
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:41 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-OO1AIZ5pLLaJrO16kj2Jl6mnt2bkcoo_Jej5JbyMEEq



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)	-0.13	2-4	>625	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.26	2-4	>313	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 26 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=118(LC 12)
Max Uplift 3=-63(LC 12), 2=-63(LC 12)
Max Grav 3=182(LC 1), 2=422(LC 1), 4=135(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 6-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) 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.
8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

November 6,2024

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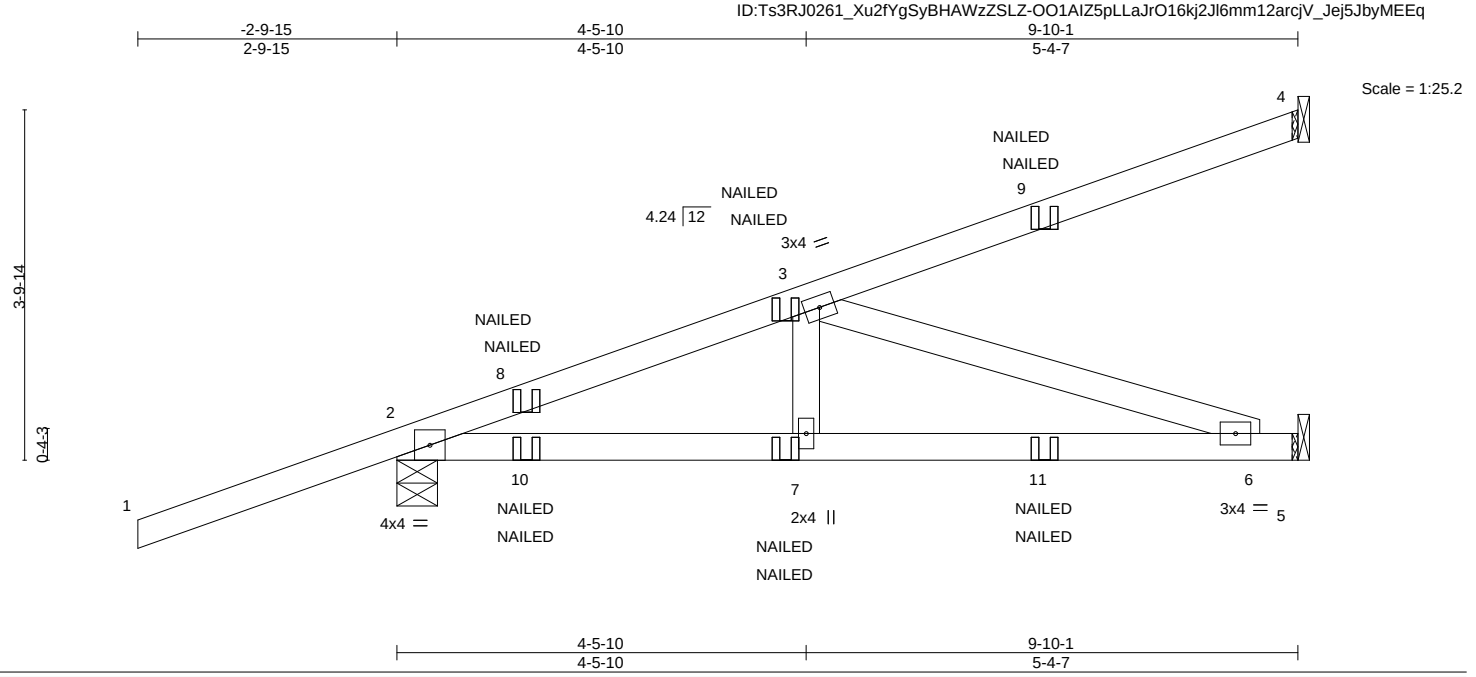
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	H7	Diagonal Hip Girder	4	1	T35469264
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:41 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-OO1AIZ5pLLaJrO16kj2Jl6mm12arcjV_Jej5JbyMEEq



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	0.83	Vert(LL)	-0.06	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.14	6-7	>843	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	-0.03	2-7	>999	240	Weight: 44 lb	FT = 20%

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

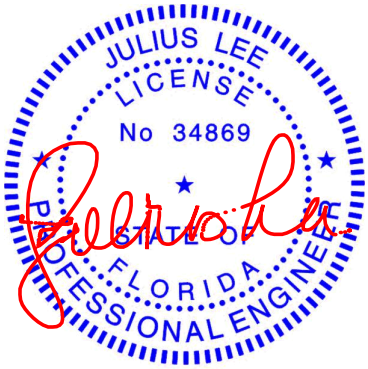
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-5-5, 5=Mechanical
Max Horz 2=119(LC 8)
Max Uplift 4=-50(LC 8), 2=-171(LC 8)
Max Grav 4=164(LC 1), 2=583(LC 31), 5=271(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-785/22
BOT CHORD 2-7=-54/667, 6-7=-54/667
WEBS 3-7=0/287, 3-6=-702/57

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 2. This connection is for uplift only and does not consider lateral forces.
8) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

November 6,2024

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Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	H7V	Diagonal Hip Girder	1	1	T35469265
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:42 2024 Page 1
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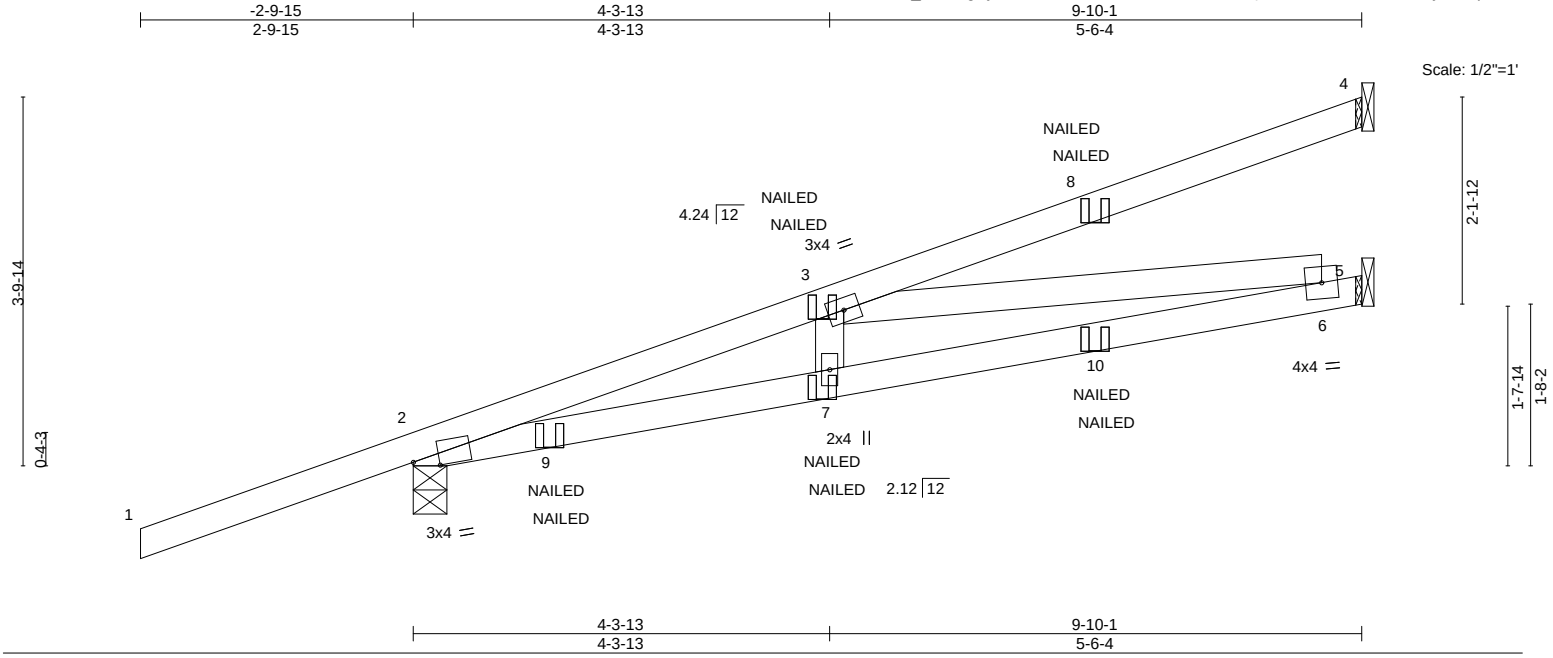


Plate Offsets (X,Y)-- [2:0-3-4,0-0-15]

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	0.70	Vert(LL)	-0.08	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.19	6-7	>601	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	-0.07	2-7	>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

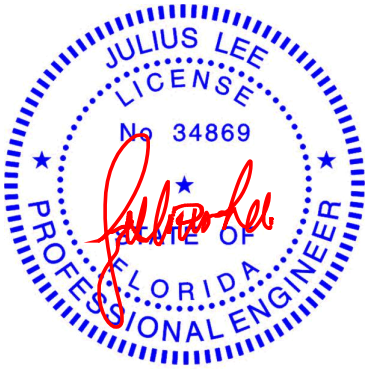
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-3, 5=Mechanical
Max Horz 2=118(LC 27)
Max Uplift 4=-55(LC 8), 2=-185(LC 8)
Max Grav 4=171(LC 1), 2=626(LC 31), 5=272(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1336/78
BOT CHORD 2-7=-125/1231, 6-7=-130/1228
WEBS 3-7=0/250, 3-6=-1203/120

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) 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.
8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 2. This connection is for uplift only and does not consider lateral forces.
9) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 8=-58(F=-29, B=-29) 9=101(F=51, B=51) 10=-39(F=-19, B=-19)



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Date:

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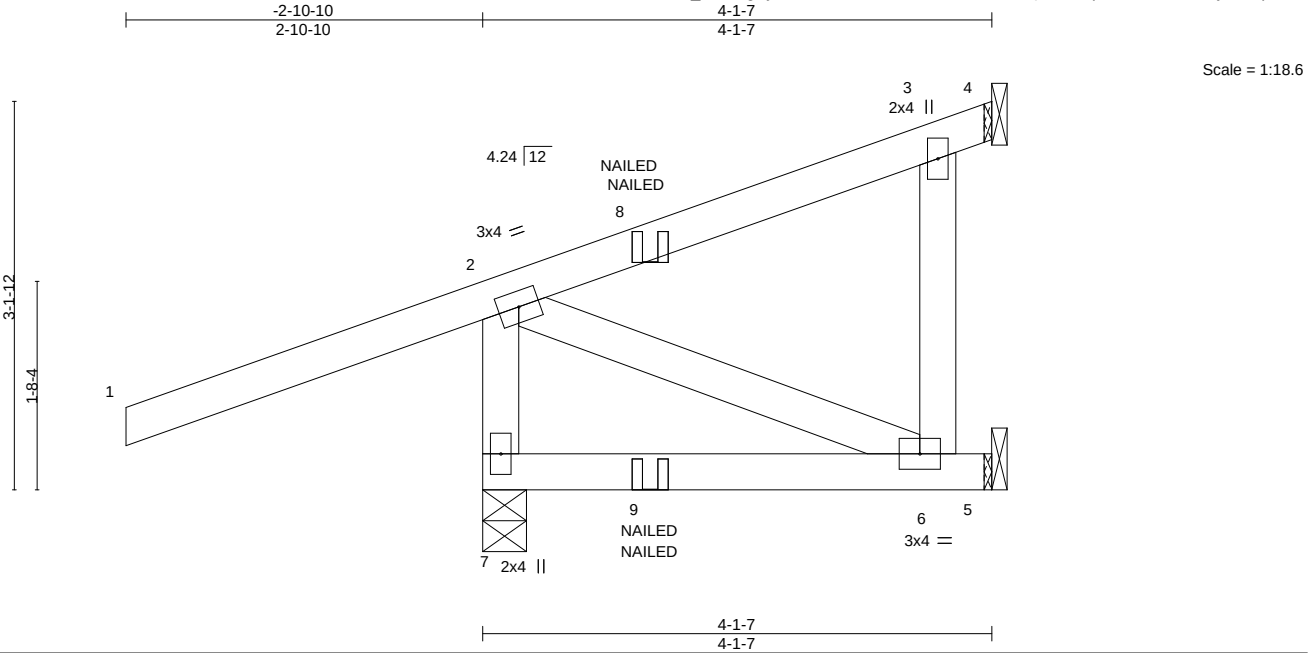
Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	HJ3E	Diagonal Hip Girder	2	1	T35469266
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:42 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-saaYVv6R6fiATYcIIQZYIJJ0pS1hLEo8XISfr1yMEEp



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.03	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	0.03	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.02	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	-0.02	6-7	>999	240	Weight: 28 lb	FT = 20%

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

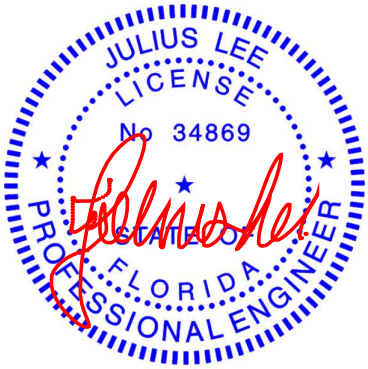
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 7=0-4-4, 5=Mechanical
Max Horz 7=100(LC 8)
Max Uplift 4=-107(LC 8), 7=-260(LC 8), 5=-285(LC 19)
Max Grav 4=211(LC 19), 7=341(LC 33), 5=74(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-6=-101/327, 2-7=-297/196

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=107.
7) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 7. This connection is for uplift only and does not consider lateral forces.
8) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-7=-20
Concentrated Loads (lb)
Vert: 8=141(F=70, B=70) 9=56(F=28, B=28)



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

November 6,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

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

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	PB1	Piggyback	1	1	T35469267
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:43 2024 Page 1
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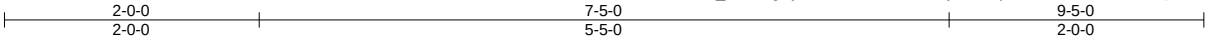

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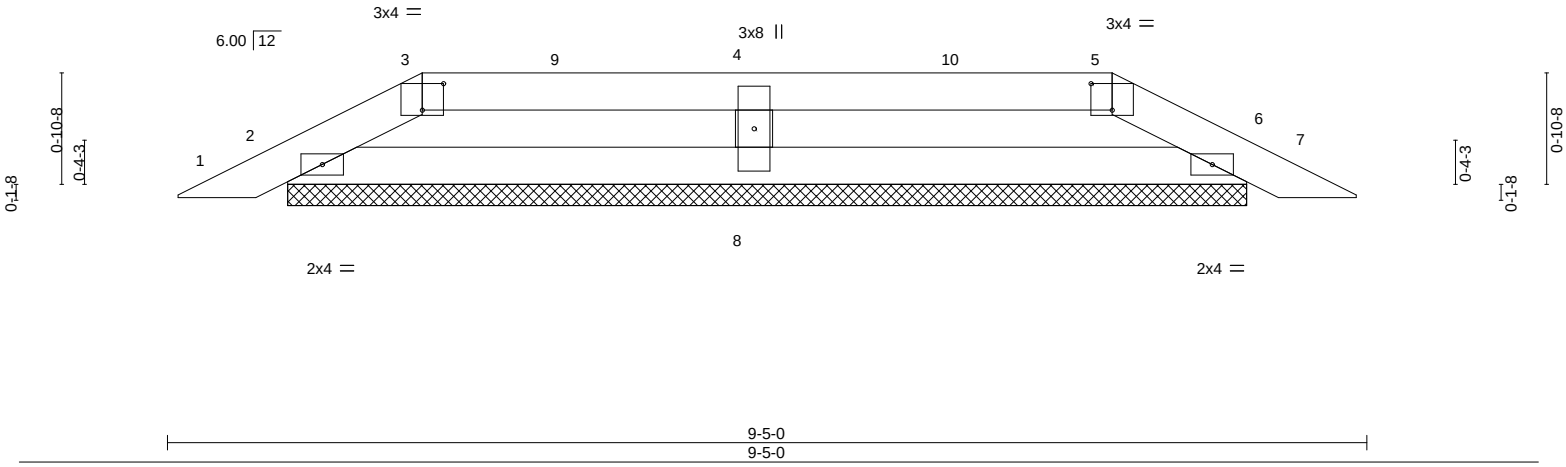


Plate Offsets (X,Y)-- [3:0-2-0,0-2-8], [5:0-2-0,0-2-8]

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	0.12	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 26 lb	FT = 20%

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

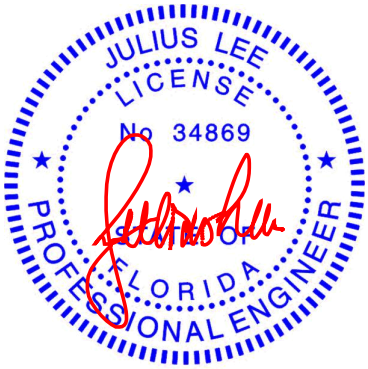
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=7-6-6, 6=7-6-6, 8=7-6-6
Max Horz 2=14(LC 11)
Max Uplift 2=-29(LC 12), 6=-29(LC 12), 8=-8(LC 9)
Max Grav 2=182(LC 1), 6=190(LC 1), 8=297(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-4-11 to 2-0-0, Zone2 2-0-0 to 6-2-15, Zone1 6-2-15 to 7-5-0, Zone3 7-5-0 to 9-0-5 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) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) N/A

9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

November 6,2024

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	PB2	Piggyback	1	1	T35469268
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:43 2024 Page 1
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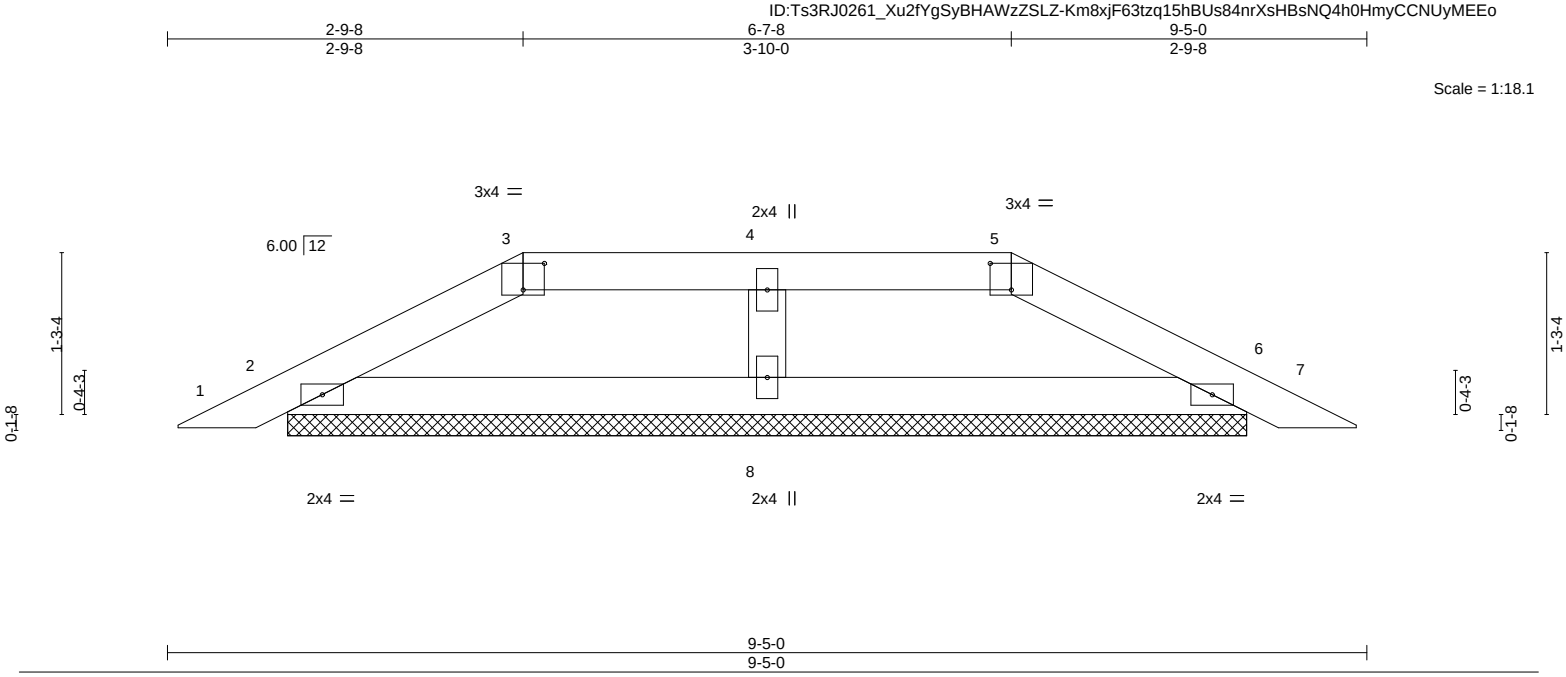


Plate Offsets (X,Y)-- [3:0-2-0,0-2-8], [5:0-2-0,0-2-8]

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	0.08	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 27 lb	FT = 20%

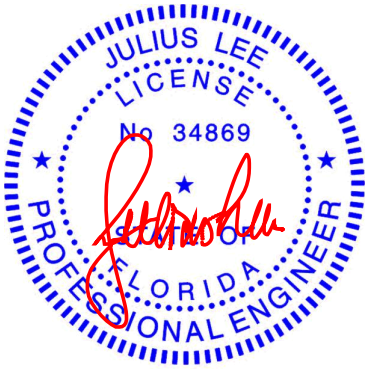
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. (size) 2=7-6-6, 6=7-6-6, 8=7-6-6
Max Horz 2=-20(LC 10)
Max Uplift 2=-35(LC 12), 6=-35(LC 12)
Max Grav 2=209(LC 1), 6=209(LC 1), 8=252(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) N/A
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

November 6,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	PB3	Piggyback	4	1	T35469269
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Sep 25 2024 MiTek Industries, Inc. Tue Nov 5 12:32:44 2024 Page 1
ID:Ts3RJ0261_Xu2fYgSyBHAWzZSLZ-oziJwb7heGytirlgPrb0NkOQFFjep89Q?cxmwwyMEEn

4-8-8 / 4-8-8 | 9-5-0 / 4-8-8

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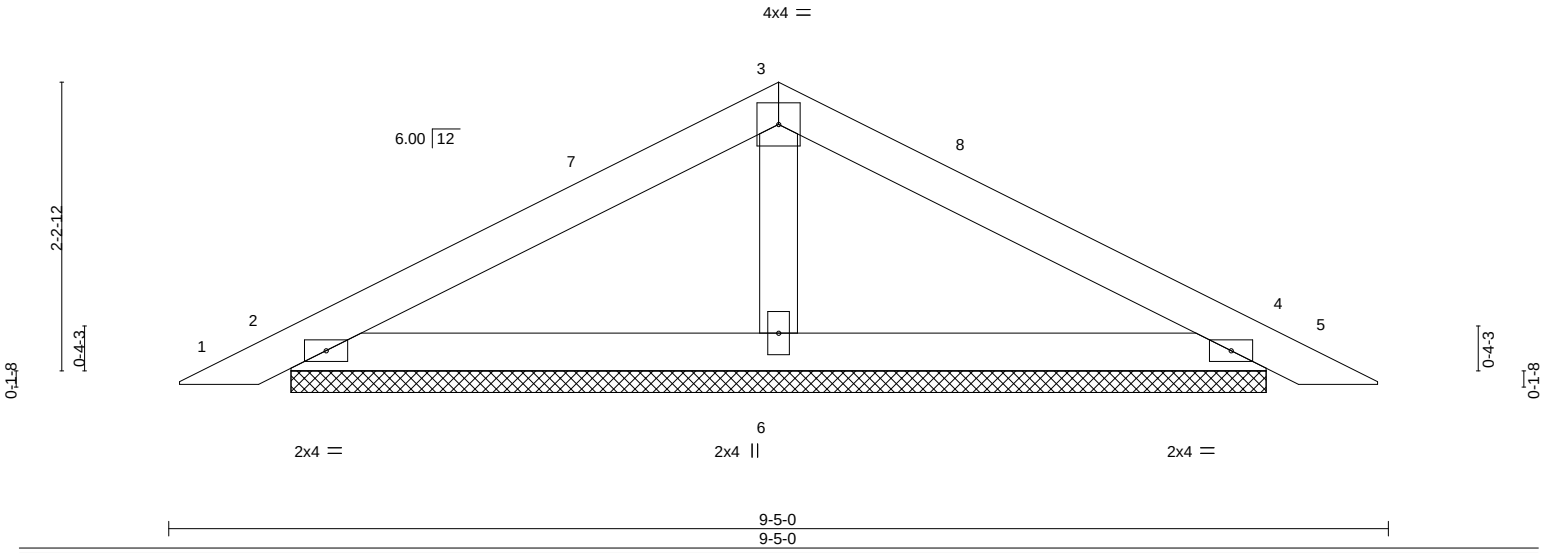


9-5-0 / 9-5-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 29 lb	FT = 20%

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

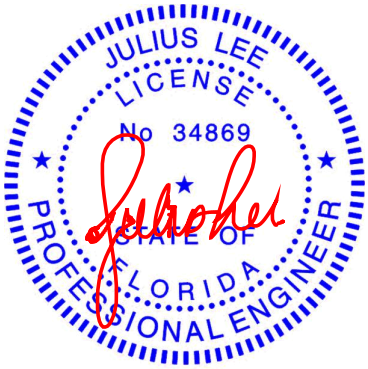
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=7-6-6, 4=7-6-6, 6=7-6-6
Max Horz 2=-36(LC 10)
Max Uplift 2=-38(LC 12), 4=-38(LC 12)
Max Grav 2=188(LC 1), 4=188(LC 1), 6=294(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-4-11 to 3-4-11, Zone1 3-4-11 to 4-8-8, Zone3 4-8-8 to 9-0-5 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) N/A

8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Job	Truss	Truss Type	Qty	Ply	2508-A-2 Car
6243065	PB4	Piggyback	1	1	T35469270
					Job Reference (optional)

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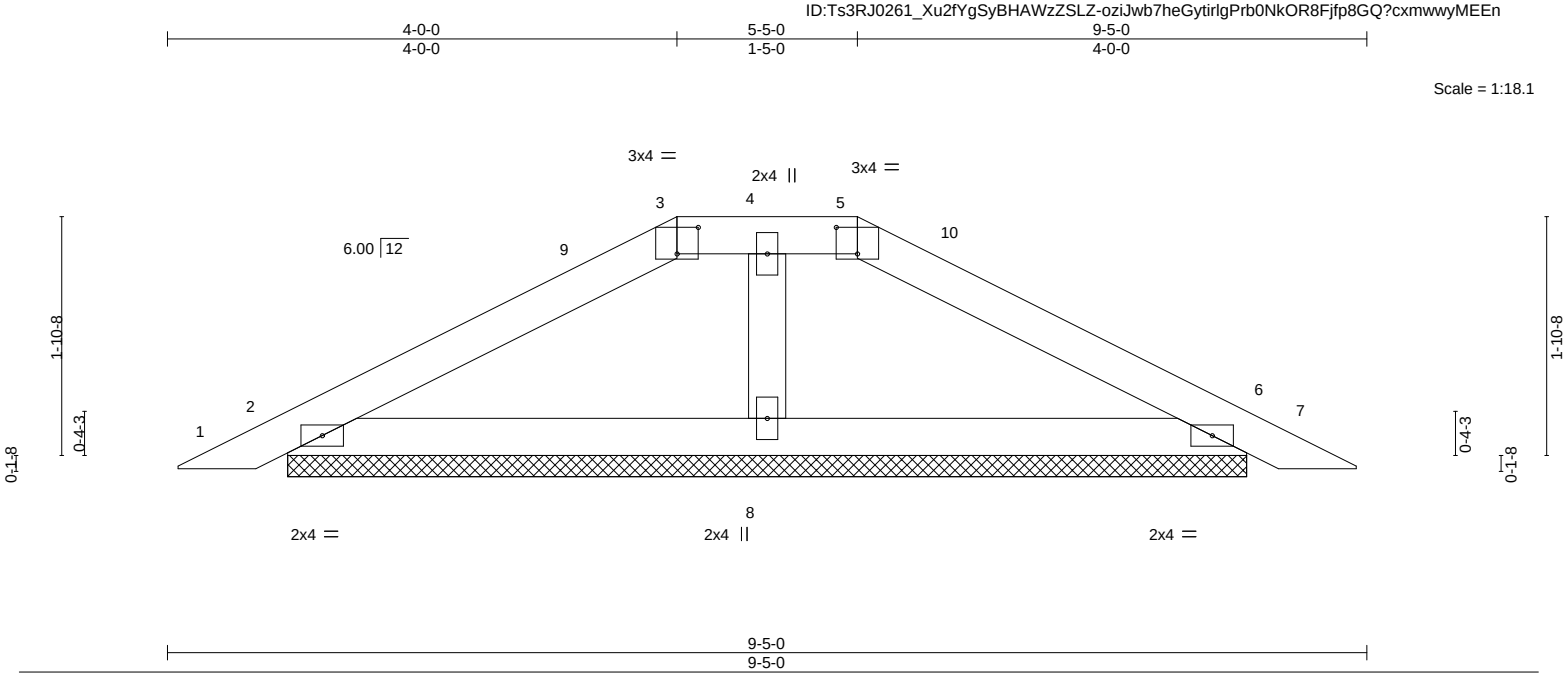


Plate Offsets (X,Y)-- [3:0-2-0,0-2-8], [5:0-2-0,0-2-8]

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	0.13	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	0.01	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 28 lb	FT = 20%

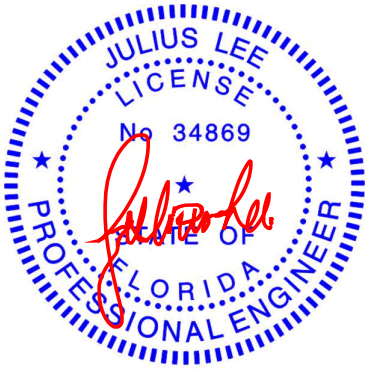
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. (size) 2=7-6-6, 6=7-6-6, 8=7-6-6
Max Horz 2=-30(LC 10)
Max Uplift 2=-38(LC 12), 6=-38(LC 12)
Max Grav 2=203(LC 1), 6=203(LC 1), 8=264(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-4-11 to 3-4-11, Zone1 3-4-11 to 4-0-0, Zone3 4-0-0 to 9-0-5 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) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) N/A
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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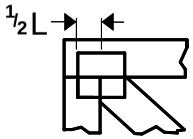
November 6,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

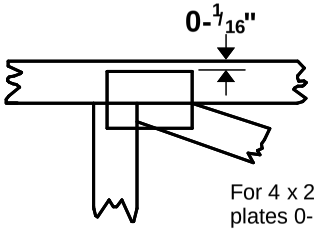
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

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.

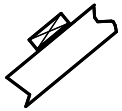
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

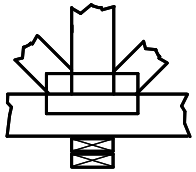
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

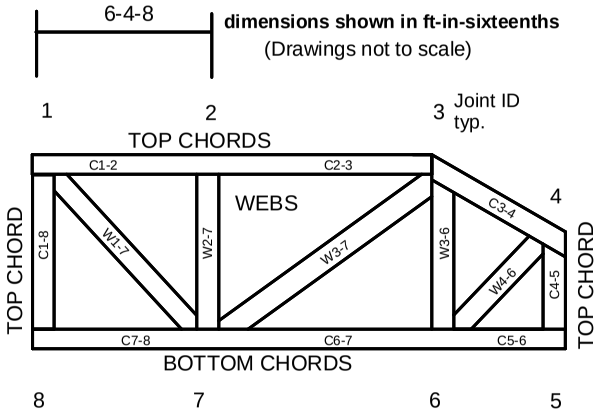


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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.

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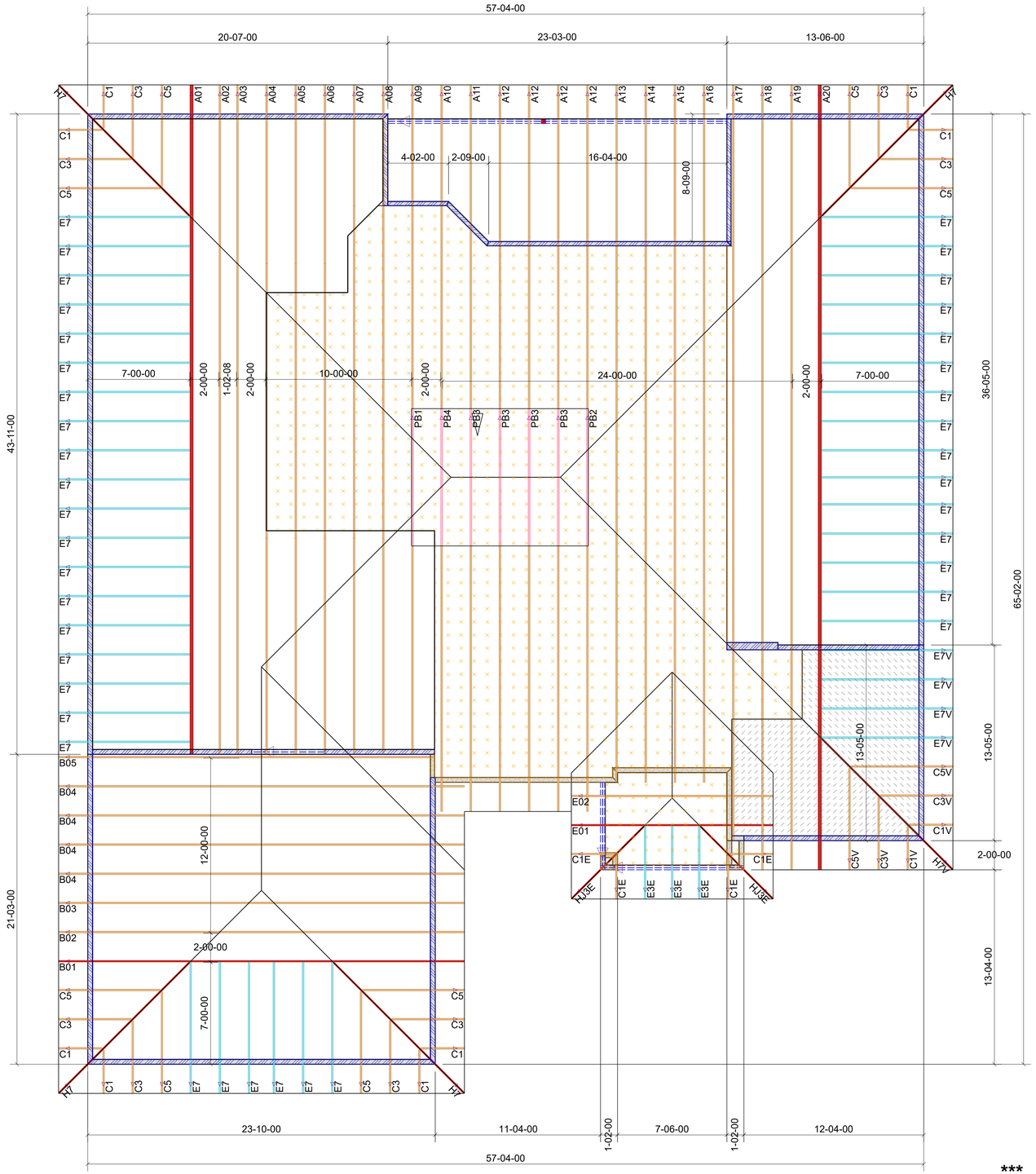
General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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



Hatch Legend

- 3/12 Vaulted Ceiling
- 10'-0" Flat Ceiling
- 8'-1-1/8" Brg Hgt
- 10'-1-1/8" Brg Hgt

*** Approved By: _____ Delivery Date: _____

Please Print Name Employed By Approval Date

TIBBETTS LUMBER CO., LLC

6100 SE 68th Street, Ocala, FL 34472
Phone (352) 347-7661 Fax: (347) 347-7797

CLIENT APPROVAL

*** Signature of this document acknowledges that the client has reviewed this truss placement diagram in its entirety as in agreement with the following terms, including , but not limited to:

a) The client is responsible to verify the accuracy of information submitted for use in design, fabrication and scheduling. Any labor, material or time delay incurred from inadequate or incorrect information supplied from the client, will be at the client's expense. Any field measurements, by an associate of Tibbetts Lumber Co., LLC, are performed as a courtesy to the client and shall be verified by the client.

b) Design Criteria: The client acknowledges that the truss design criteria noted on this truss placement diagram meets or exceeds the design criteria specified by the building designer, engineer of record, and local and state building requirements

c) Fabrication and Delivery: One approved truss placement diagram must be returned to the truss manufacturer before fabrication and delivery will be scheduled. It is the client's responsibility to co-ordinate deliver dates with the truss manufacturer. The client shall provide a marked location for delivery, which must be accessible, level and clear of materials and debris. In lieu of this, truss will be delivered in the best available location at our driver's discretion. Care and handling of the trusses following delivery is the responsibility of the client.

d) Installation & Bracing: BCSI 2008 (Building Component Safety Information) WTCA/TPI guidelines shall be followed when handling, installing & bracing trusses. Temporary and/or permanent bracing and blocking is not included in this truss package. Trusses shall be braced to prevent rotation and provide lateral stability in accordance with the requirements specified in the construction documents for the building and on the individual truss design drawings. The overall stability of the truss system is the responsibility of the building designer.

e) Field Framing: 1.) Tray ceilings and other ceiling transitions my require field framing by others. 2.) Ceiling drops and valleys not shown are to be field framed by others. 3.) Overhangs may be over-length - cut to fit in the field. Overhangs are 2x4 or 2x6 - no blocking is applied. Corner jacks will be square cut and hip jacks will be double beveled

f) Repairs: Truss related problems are to be reported to the truss manufacturer ASAP, preferably in writing. Do Not Cut Any Trusses before contacting the truss manufacturer with specifics of the problem. Any field modifications made without an engineered repair drawing will be the responsibility of the client. No back charges or crane charges of any kind will be accepted unless specifically approved in writing by the truss manufacturer's management.

g) This Truss Placement Diagram was not created by an engineer, rather by Tibbetts Lumber Co, LLC staff and is purely to be used as an installation guide and does not require a seal. Truss design analysis are on the Truss Design Drawings, which may be sealed by the Truss Design Engineer.

TYPICAL DESIGN CRITERIA

Floor: Load: 55# psf; 40 TCLL, 10 TCDL, 00 BCLL, 05 BCDL; Dur.: 1.00
Design checked for 10 psf non-concurrent LL on BC.

Roof: Load: 40# psf; 20 TCLL, 10 TCDL, 00 BCLL, 10 BCDL; Dur.: 1.25
Design checked for 10 psf non-concurrent LL on BC

Mitek Engineering			Exposure	:	B
Building Code	:	FBC 2023	Mean Height	:	≤ 15'
	:	ASCE 7-22	Bldg. Category	:	II
	:	TPI 1-2014	Importance Factor	:	1.00
Truss Design	:	Comp. & Cladding	Enclosure	:	Enclosed
Uplift Calculations	:	MWFRS	Entry	:	Exposed to Wind
Wind Speed	:	130 mph US	Lanai	:	Exposed to Wind

ROOF CRITERIA			FLOOR CRITERIA		
T.C. Pitch	:	6/12	T.C. Size	:	PC42
B.C. Pitch	:	3/12	Depth	:	16"
T.C. Size	:	2x4	Spacing	:	16" O.C.
Heel Height	:	4 3/16"	Bearing	:	8"
Bearing	:	8"	Lumber	:	SP
Cantilever	:	0	Vapor barrier between floor & concrete by other. Floor trusses held back 3/4" at exterior wall, block and fill by other. Blocking for transfer of vertical load from above by others. Odd space floor trusses around plumbing as noted.		
Overhang	:	24"			
O.H. Cut	:	Plumb			
Spacing	:	24" O.C.			
Lumber	:	SP			

CONNECTORS

Roof Truss to Truss Connectors						Floor Truss to Truss Connectors					
TYP: THD26						*z	TYP: THD46				
A	JUS24	G	THDH28-2	M	HJC26	Q	THDH46	W	MSH422IF		
B	THD26-2	H	THDH28-3	N		R	THD48	X	MSH426		
C	THDH26-2	I	THDH210-3	O		S	THDH48	Y	MSH426IF		
D	THDH26-3	J	GTWS2T			T	THDH410	Z			
E	THD28	K	GTWS3T			U	THDH610				
F	THDH28	L	GTWS4T			V	MSH422				

Installation shall be per connector manufacturer's guidelines. All connectors and tie downs other than truss to girder truss connectors are to be specified and supplied by others.

UPLIFT SUMMARY

1			11			21		
2			12			22		
3			13			23		
4			14			24		
5			15			25		
6			16			26		
7			17			27		
8			18			28		
9			19			29		
10			20			30		

Only points listed above have reactions > 5000# or Uplift > 1000#.
Values shown on the sealed Truss Design Drawings supersede the above

NOTES

N1 .
N2 .
N3 .
N4 .
N5 .
N6 .
N7 .
N8 .
N9 .

< Diamond indicates left side of truss on truss design drawings

Client Info

Client:	Adams Homes
Project:	Model :2508-A-2 Car-Tray
Address:	Lot # 092 The Preserve at Laurel Lake
	Lake City,Fl.32024

Rev.

Date	:	10/28/24	Scale	:	1/4" = 1'-0"	D= 1/4
Revised	:	.	Drawn By	:	Steve R.	
Sheet #	:	1 of 1	Job #	:	6243065	

Tibbetts Lumber Ocala

6100 SE 68th St
Ocala, FL 34472
Phone: 352-347-7661
www.tibbettslumber.com

Reaction Summary

Job Number: **6243065-R**
Quoted On:
Ordered On: **10/28/2024**
Scheduled Delivery On:
Product: **Roof**

Customer Information
Adams Homes of NW FL - Gainesville

Address & Phone: Phone:
Contact:

Job Information
The Preserve at Laurel Lake 092

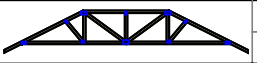
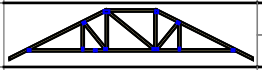
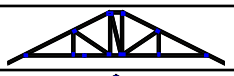
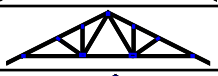
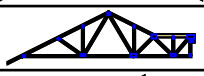
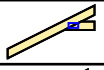
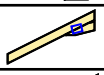
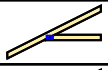
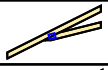
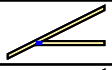
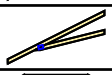
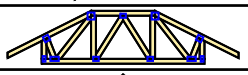
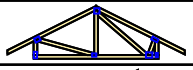
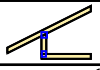
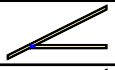
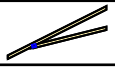
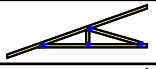
Address: 777 SW Rosemary Dr
Lake City FL 32024
Lot: 092
Sub-Division: The Preserve at Laurel Lake
Sales Person: Chris Adam
Customer P.O. No.:
Estimator: Steven Roberts
Designer: Steven Roberts

Loading				Building Code	Wind Design Method	Velocity	Exp Cat	Wind Max	
TCLL	TCDL	BCLL	BCDL				Occ Cat	TCDL	BCDL
20	10	0	10	FBC2023/TPI2014	MWFRS (Directional)/C-C hybrid Wind ASCE 7-22	130 mph	B II	4.2	6

Roof Trusses

Label	Profile	Qty / Ply	Span / Height	TC Pitch / BC Pitch	TC / BC	Reactions
A01		1	43-11-00	6 /12	2 x 6	Joint 11 3645 -265; Joint 2 3509 -253
		2-ply	4-09-15		2 x 6	
A02		1	43-11-00	6 /12	2 x 4	Joint 10 1741 -80; Joint 2 1877 -133
		1-ply	5-09-15		2 x 4	
A03		1	43-11-00	6 /12	2 x 4	Joint 10 1741 -82; Joint 2 1877 -132
		1-ply	6-05-03		2 x 4	
A04		1	43-11-00	6 /12	2 x 4	Joint 12 1750 -70; Joint 2 1888 -128
		1-ply	7-05-03		2 x 4	
A05		1	43-11-00	6 /12	2 x 4	Joint 11 1750 -70; Joint 2 1888 -128
		1-ply	8-05-03		2 x 4	
A06		1	43-11-00	6 /12	2 x 4	Joint 11 1944 -70; Joint 2 2117 -128
		1-ply	9-05-03		2 x 4	
A07		1	43-11-00	6 /12	2 x 4	Joint 13 1978 -70; Joint 2 2108 -127
		1-ply	10-05-03		2 x 4	
A08		1	43-11-00	6 /12	2 x 4	Joint 12 1704 -58; Joint 2 357 -110; Joint 23 2007 -137
		1-ply	11-05-03		2 x 4	
A09		1	43-11-00	6 /12	2 x 4	Joint 12 1704 -58; Joint 2 357 -56; Joint 23 2044 -88
		1-ply	11-05-03		2 x 4	
A10		1	45-10-00	6 /12	2 x 4	Joint 12 1880 -132; Joint 2 354 -141; Joint 22 2081 -110
		1-ply	11-05-03		2 x 4	
A11		1	45-10-00	6 /12	2 x 4	Joint 11 1788 -128; Joint 2 326 -146; Joint 21 2209 -136
		1-ply	11-05-03		2 x 4	
A12		4	45-10-00	6 /12	2 x 4	Joint 11 1716 -126; Joint 2 327 -155; Joint 21 2281 -150
		1-ply	11-05-03		2 x 4	
A13		1	45-10-00	6 /12	2 x 4	Joint 10 761 -67; Joint 11 840 6; Joint 2 344 -143; Joint 20 2235 -165
		1-ply	11-09-15		2 x 4	
A14		1	45-10-00	6 /12	2 x 4	Joint 12 1607 -61; Joint 2 328 -142; Joint 22 2275 -167
		1-ply	10-09-15		2 x 4	
A15		1	45-10-00	6 /12	2 x 4	Joint 10 1622 -61; Joint 18 2223 -169; Joint 2 356 -140
		1-ply	9-09-15		2 x 4	
A16		1	45-10-00	6 /12	2 x 4	Joint 11 1411 -60; Joint 2 266 -138; Joint 20 2118 -171
		1-ply	8-09-15		2 x 4	
A17		1	49-10-00	6 /12	2 x 4	Joint 11 219 -9; Joint 14 2695 -103; Joint 2 1628 -122
		1-ply	7-09-15	-3 /12	2 x 4	
A18		1	49-10-00	6 /12	2 x 4	Joint 12 337 -92; Joint 17 2445 -76; Joint 2 1485 -127
		1-ply	6-09-15	-3 /12	2 x 4	
A19		1	49-10-00	6 /12	2 x 4	Joint 11 374 -91; Joint 15 2382 -77; Joint 2 1491 -127
		1-ply	5-09-15	-3 /12	2 x 4	

Roof Trusses

Label	Profile	Qty / Ply	Span / Height	TC Pitch / BC Pitch	TC / BC	Reactions
A20		1	49-10-00	6 /12	2 x 6	Joint 14 393 -83 / Joint 2 2712 -208 / Joint 20 4951 -287
		2-ply	4-09-15	-3 /12	2 x 6	
B01		1	23-10-00	6 /12	2 x 4	Joint 2 1873 -122 / Joint 8 1873 -122
		1-ply	4-09-15		2 x 4	
B02		1	23-10-00	6 /12	2 x 4	Joint 2 1070 -102 / Joint 7 1070 -102
		1-ply	5-09-15		2 x 4	
B03		1	23-10-00	6 /12	2 x 4	Joint 2 1070 -102 / Joint 7 1070 -102
		1-ply	6-09-15		2 x 4	
B04		4	23-10-00	6 /12	2 x 4	Joint 2 1390 131 / Joint 8 1413 154
		1-ply	7-03-07		2 x 4	
B05		1	23-09-08	6 /12	2 x 4	Joint 15 1183 166 / Joint 2 1373 106
		1-ply	7-03-07		2 x 4	
C1		8	1-00-00	6 /12	2 x 4	Joint 2 290 -134 / Joint 3 68 -101 / Joint 4 19 6
		1-ply	1-09-15		2 x 4	
C1E		4	11-08	6 /12	2 x 4	Joint 3 32 -127 / Joint 4 14 -47 / Joint 5 343 -63
		1-ply	2-02-00		2 x 4	
C1V		2	1-00-00	6 /12	2 x 4	Joint 2 290 -218 / Joint 4 94 -91
		1-ply	1-09-15	3 /12	2 x 4	
C3		8	3-00-00	6 /12	2 x 4	Joint 2 292 -86 / Joint 3 35 -14 / Joint 4 55 17
		1-ply	2-09-15		2 x 4	
C3V		2	3-00-00	6 /12	2 x 4	Joint 2 292 -85 / Joint 3 35 -14 / Joint 4 55 17
		1-ply	2-09-15	3 /12	2 x 4	
C5		8	5-00-00	6 /12	2 x 4	Joint 2 350 -71 / Joint 3 114 -35 / Joint 4 95 29
		1-ply	3-09-15		2 x 4	
C5V		2	5-00-00	6 /12	2 x 4	Joint 2 350 -70 / Joint 3 114 -36 / Joint 4 95 29
		1-ply	3-09-15	3 /12	2 x 4	
E01		1	9-09-00	6 /12	2 x 4	Joint 13 517 -328 / Joint 9 603 -372
		1-ply	3-02-00		2 x 4	
E02		1	9-09-00	6 /12	2 x 4	Joint 7 547 -160 / Joint 9 472 -148
		1-ply	4-01-08		2 x 4	
E3E		3	2-11-08	6 /12	2 x 4	Joint 3 47 -27 / Joint 4 48 -23 / Joint 5 293 -68
		1-ply	3-02-00		2 x 4	
E7		40	7-00-00	6 /12	2 x 4	Joint 2 422 -63 / Joint 3 182 -62 / Joint 4 135 41
		1-ply	4-09-15		2 x 4	
E7V		4	7-00-00	6 /12	2 x 4	Joint 2 422 -63 / Joint 3 182 -63 / Joint 4 135 41
		1-ply	4-09-15	3 /12	2 x 4	
H7		4	9-10-01	4.24 /12	2 x 4	Joint 2 583 -171 / Joint 4 164 -50 / Joint 5 271 18
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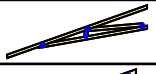
H7V		1	9-10-01	4.24 /12	2 x 4	Joint 2 626 -185 / Joint 4 171 -55 / Joint 5 272 19
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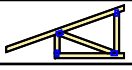
HJ3E		2	4-01-07	4.24 /12	2 x 4	Joint 4 211 -107 / Joint 5 74 -285 / Joint 7 341 -260
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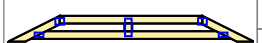
PB1		1	9-05-00	6 /12	2 x 4	Joint 2 182 -29 / Joint 6 190 -29 / Joint 8 297 -8
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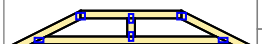
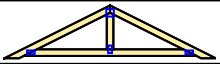
PB2		1	9-05-00	6 /12	2 x 4	Joint 2 209 -35 / Joint 6 209 -35 / Joint 8 252 7
		1-ply	1-04-08		2 x 4	
PB3		4	9-05-00	6 /12	2 x 4	Joint 2 188 -38 / Joint 4 188 -38 / Joint 6 294 18
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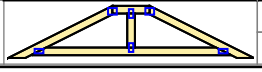
PB4		1	9-05-00	6 /12	2 x 4	Joint 2 203 -38 / Joint 6 203 -38 / Joint 8 264 19
		1-ply	1-11-12		2 x 4	