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

RE: 6250759 - 1820-A-Tray

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

Site Information:

Customer Info: Adams Homes-Gainesville Project Name: The Preserve at Laurel Lake, 077 Model: 1820-A-Tray
Lot/Block: 077 Subdivision: The Preserve at Laurel Lake
Address: 424 SW Silver Palm, .
City: Lake City State: Fl

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

Name: License #:
Address:
City: State:

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

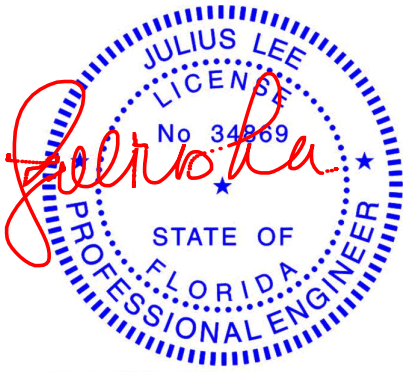
Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.8
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 38 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	T36809137	A01	3/27/25	23	T36809159	C5T	3/27/25
2	T36809138	A02	3/27/25	24	T36809160	C5V	3/27/25
3	T36809139	A03	3/27/25	25	T36809161	E01	3/27/25
4	T36809140	A04	3/27/25	26	T36809162	E02	3/27/25
5	T36809141	A04T	3/27/25	27	T36809163	E03	3/27/25
6	T36809142	A05	3/27/25	28	T36809164	E3	3/27/25
7	T36809143	A05T	3/27/25	29	T36809165	E7	3/27/25
8	T36809144	A06	3/27/25	30	T36809166	E7A	3/27/25
9	T36809145	A07	3/27/25	31	T36809167	E7T	3/27/25
10	T36809146	A08	3/27/25	32	T36809168	E7V	3/27/25
11	T36809147	A09	3/27/25	33	T36809169	E10	3/27/25
12	T36809148	A10	3/27/25	34	T36809170	H2	3/27/25
13	T36809149	A11	3/27/25	35	T36809171	H3	3/27/25
14	T36809150	B01	3/27/25	36	T36809172	H7T	3/27/25
15	T36809151	B02	3/27/25	37	T36809173	H7V	3/27/25
16	T36809152	B03	3/27/25	38	T36809174	H10	3/27/25
17	T36809153	C1	3/27/25				
18	T36809154	C1A	3/27/25				
19	T36809155	C1B	3/27/25				
20	T36809156	C1V	3/27/25				
21	T36809157	C3T	3/27/25				
22	T36809158	C3V	3/27/25				

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

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



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

March 28,2025

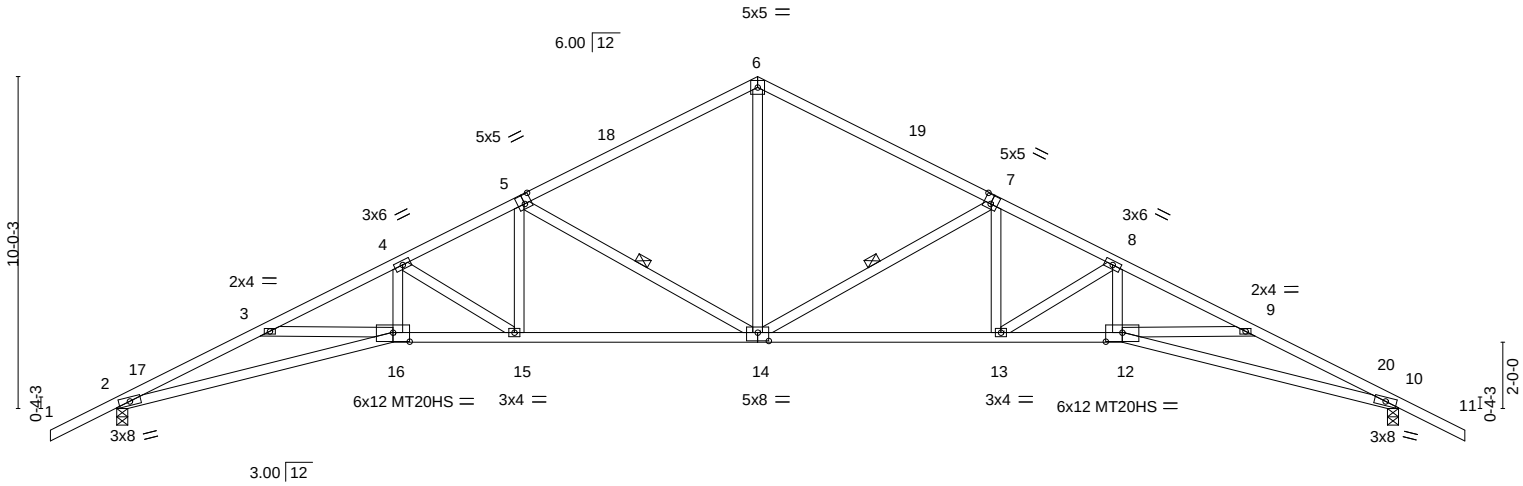
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which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

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray	T36809137
6250759	A01	Roof Special	8	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:46 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-63aERTFIYJlm4asXIAzMAq2lgQhSiGnZT9TgWizWpFt

-2-0-0	4-7-7	8-4-0	12-1-11	19-4-0	26-6-5	30-4-0	34-0-9	38-8-0	40-8-0
2-0-0	4-7-7	3-8-9	3-9-11	7-2-5	7-2-5	3-9-11	3-8-9	4-7-7	2-0-0

Scale = 1:69.5



8-4-0	12-1-11	19-4-0	26-6-5	30-4-0	38-8-0
8-4-0	3-9-11	7-2-5	7-2-5	3-9-11	8-4-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	1.00	Vert(LL)	-0.45	14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.94	14-15	>491	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.63	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.25	14	>999	240	Weight: 205 lb	FT = 20%

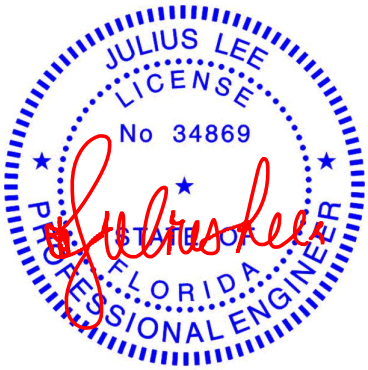
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-16,10-12: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 7-14, 5-14

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=175(LC 11)
Max Uplift 2=-128(LC 12), 10=-128(LC 12)
Max Grav 2=1663(LC 1), 10=1663(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5168/361, 3-4=-4971/260, 4-5=-3492/248, 5-6=-2250/225, 6-7=-2250/220, 7-8=-3492/256, 8-9=-4971/277, 9-10=-5168/376
BOT CHORD 2-16=-263/4640, 15-16=-110/4330, 14-15=-62/3101, 13-14=-86/3101, 12-13=-139/4330, 10-12=-293/4640
WEBS 6-14=-40/1507, 7-14=-1356/154, 7-13=0/874, 8-13=-1447/63, 8-12=-3/1232, 5-14=-1356/150, 5-15=0/874, 4-15=-1447/56, 4-16=0/1232

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-4-0, Zone2 19-4-0 to 23-6-15, Zone1 23-6-15 to 40-8-0 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) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 2, 10 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 and 10. 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:

March 28,2025

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	A02	Hip	2	1	T36809138
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:47 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-aF8cfpGwJdtdikRjsuUbi1bwyp1fRj_jipCD28zWpFs

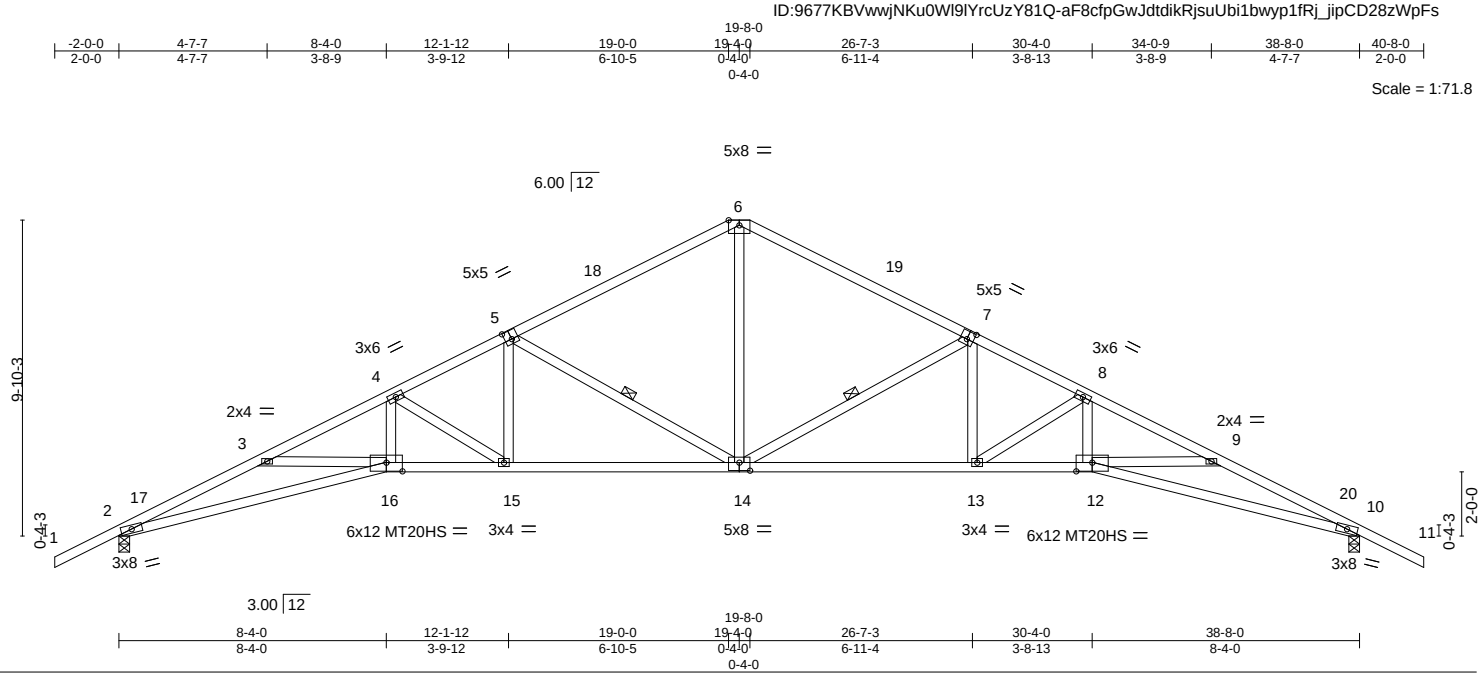


Plate Offsets (X,Y)-- [5:0-2-8,0-3-4], [7:0-2-8,0-3-0], [12:0-6-0,0-3-4], [14:0-4-0,0-3-0], [16:0-6-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	-0.44	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.93	13-14	>493	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.63	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.24	14	>999	240	Weight: 205 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 *Except*
2-16,10-12: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-

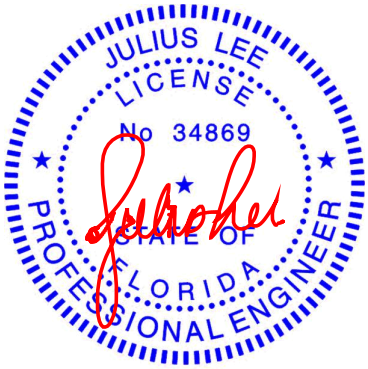
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-14, 7-14

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=175(LC 11)
Max Uplift 2=-128(LC 12), 10=-128(LC 12)
Max Grav 2=1663(LC 1), 10=1663(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5168/329, 3-4=-4972/229, 4-5=-3490/220, 5-6=-2250/196, 6-7=-2251/192, 7-8=-3509/225, 8-9=-4972/242, 9-10=-5168/341
BOT CHORD 2-16=-237/4640, 15-16=-85/4331, 14-15=-38/3091, 13-14=-57/3116, 12-13=-109/4331, 10-12=-261/4639
WEBS 4-16=0/1233, 4-15=-1452/57, 5-15=0/876, 5-14=-1347/135, 7-14=-1366/138, 7-13=0/881, 8-13=-1439/62, 8-12=0/1231, 6-14=-32/1503

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 19-4-0, Zone2 19-4-0 to 23-6-15, Zone1 23-6-15 to 40-8-0 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) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 2, 10 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 and 10. 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:

March 28,2025

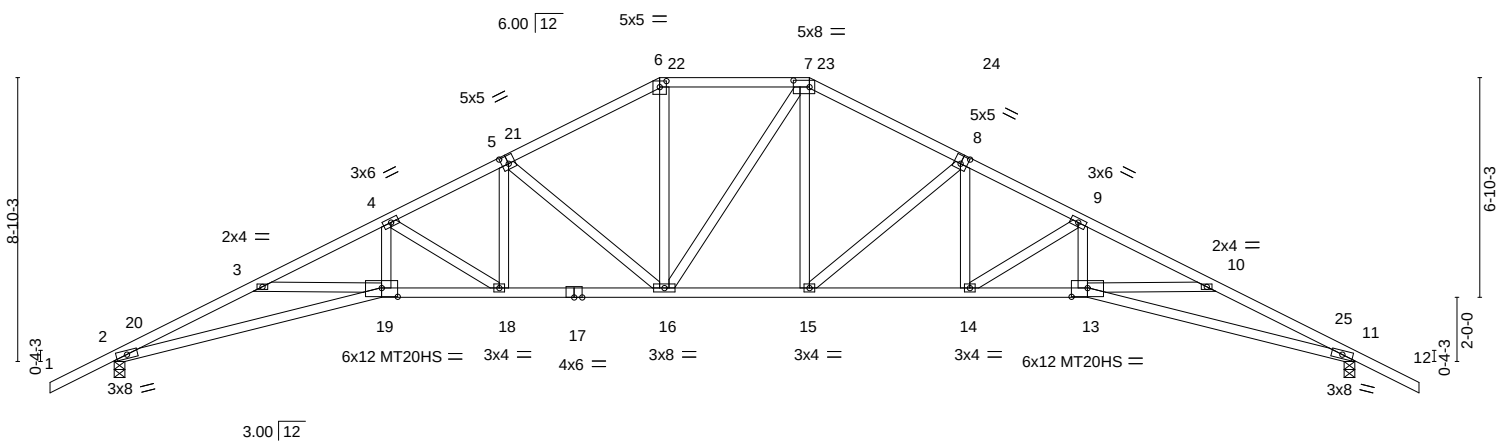
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	A03	Hip	2	1	T36809139
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:48 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-2Si_s8GY4x0UKu0wQb?qFF7AXDO8A5usxTynaazWpFr

-2-0-0	4-7-7	8-4-0	12-1-12	17-0-0	21-8-0	26-6-4	30-4-0	34-0-9	38-8-0	40-8-0
2-0-0	4-7-7	3-8-9	3-9-12	4-10-4	4-8-0	4-10-4	3-9-12	3-8-9	4-7-7	2-0-0

Scale = 1:71.8



8-4-0	12-1-12	17-0-0	21-8-0	26-6-4	30-4-0	38-8-0
8-4-0	3-9-12	4-10-4	4-8-0	4-10-4	3-9-12	8-4-0

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-2-8,0-2-4], [7:0-6-0,0-2-8], [8:0-2-8,0-3-0], [13:0-6-0,0-3-4], [19:0-6-0,0-3-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.44	15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.88	14-15	>521	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.61	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.24	15	>999	240	Weight: 218 lb	FT = 20%

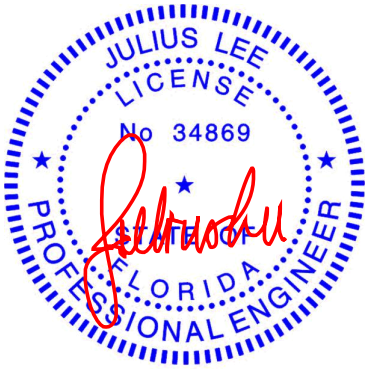
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-19,11-13: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 18-19,13-14.

REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=156(LC 11)
Max Uplift 2=-128(LC 12), 11=-128(LC 12)
Max Grav 2=1663(LC 1), 11=1663(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5162/373, 3-4=-4984/283, 4-5=-3469/256, 5-6=-2516/232, 6-7=-2208/233, 7-8=-2515/236, 8-9=-3469/263, 9-10=-4984/295, 10-11=-5162/385
BOT CHORD 2-19=-276/4633, 18-19=-135/4345, 16-18=-64/3045, 15-16=0/2206, 14-15=-82/3046, 13-14=-159/4345, 11-13=-300/4633
WEBS 4-19=0/1237, 4-18=-1510/84, 5-18=0/883, 5-16=-1119/112, 6-16=-14/819, 7-15=-17/818, 8-15=-1122/115, 8-14=-0/885, 9-14=-1509/90, 9-13=0/1236

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 21-8-0, Zone2 21-8-0 to 25-10-15, Zone1 25-10-15 to 40-8-0 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.
8) Bearing at joint(s) 2, 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) 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
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 28,2025

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

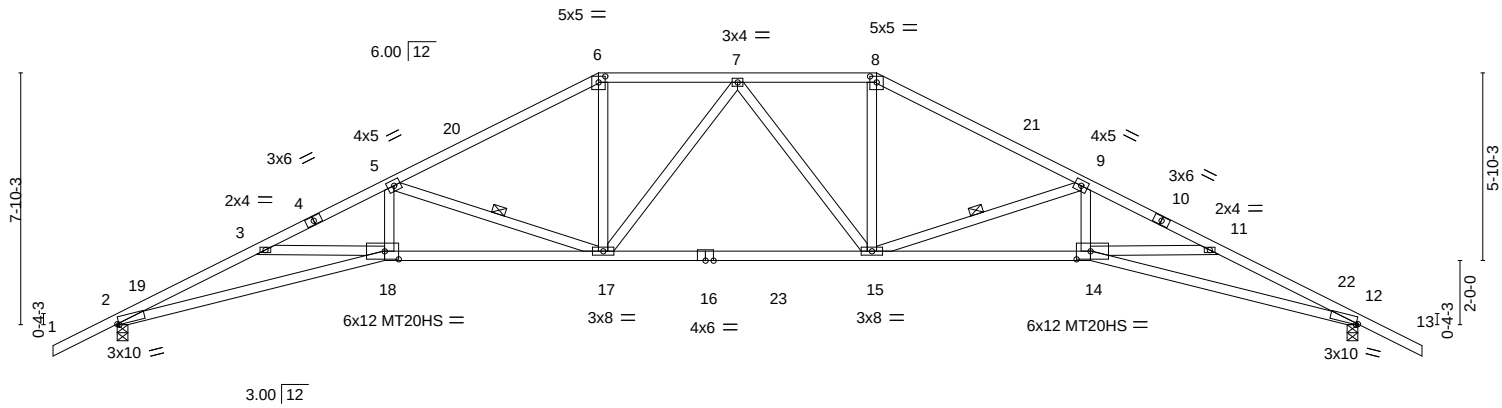
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	A04	Hip	1	1	T36809140
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:48 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-2Si_s8GY4x0UKu0wQb?qFF7AxDRsA9CsxTynaazWpFr

-2-0-0	4-7-7	8-4-0	15-0-0	19-4-0	23-8-0	30-4-0	34-0-9	38-8-0	40-8-0
2-0-0	4-7-7	3-8-9	6-8-0	4-4-0	4-4-0	6-8-0	3-8-9	4-7-7	2-0-0

Scale = 1:71.8



8-4-0	15-0-0	23-8-0	30-4-0	38-8-0
8-4-0	6-8-0	8-8-0	6-8-0	8-4-0

Plate Offsets (X,Y)-- [2:0-0-10,Edge], [6:0-2-8,0-2-4], [8:0-2-8,0-2-4], [12:0-0-10,Edge], [14:0-5-4,0-3-0], [18:0-5-4,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.54	15-17	>844	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-1.01	15-17	>456	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.63	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.23	14-15	>999	240	Weight: 202 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	4-6,8-10: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD	2x4 SP M 31 or 2x4 SP SS
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-1-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-17, 9-15

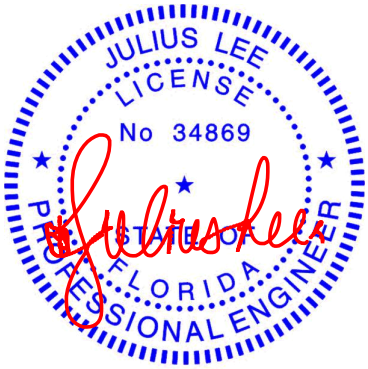
REACTIONS. (size) 2=0-4-0, 12=0-4-0
Max Horz 2=-140(LC 10)
Max Uplift 2=-128(LC 12), 12=-128(LC 12)
Max Grav 2=1808(LC 17), 12=1808(LC 18)

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

TOP CHORD	2-3=-5688/359, 3-5=-5621/306, 5-6=-3182/221, 6-7=-2815/230, 7-8=-2777/234,
	8-9=-3146/225, 9-11=-5514/319, 11-12=-5589/370
BOT CHORD	2-18=-263/5232, 17-18=-164/5000, 15-17=-40/2910, 14-15=-188/4803, 12-14=-287/5035
WEBS	5-18=0/1498, 5-17=-2280/174, 6-17=0/1095, 7-17=-309/56, 7-15=-309/56, 8-15=0/1108,
	9-15=-2222/181, 9-14=0/1451

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 15-0-0, Zone2 15-0-0 to 19-4-0, Zone1 19-4-0 to 23-8-0, Zone2 23-8-0 to 27-10-15, Zone1 27-10-15 to 40-8-0 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) 2, 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 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:

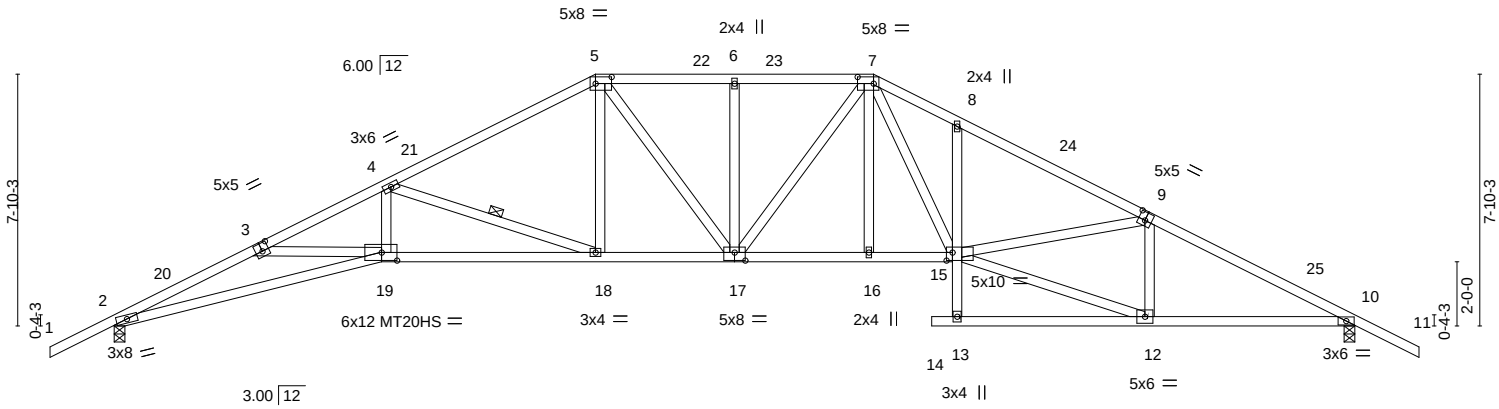
March 28,2025

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	A04T	Hip	1	1	T36809141
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:49 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-XeGM4UHArE8Lx2b6zJW3oSgLednIvba0A6hK61zWpFq

-2-0-0	4-7-7	8-4-0	15-0-0	19-4-0	23-8-0	25-10-4	32-3-4	38-8-0	40-8-0
2-0-0	4-7-7	3-8-9	6-8-0	4-4-0	4-4-0	2-2-4	6-5-0	6-4-12	2-0-0

Scale = 1:71.8



8-4-0	15-0-0	19-4-0	23-8-0	25-10-4	26-1-8	32-3-4	38-8-0
8-4-0	6-8-0	4-4-0	4-4-0	2-2-4	0-3-4	6-1-12	6-4-12

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8], [9:0-2-8,0-3-0], [15:0-2-4,0-3-0], [17:0-4-0,0-3-0], [19:0-5-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.35	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.74	18-19	>624	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.42	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.19	18-19	>999	240	Weight: 230 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
3-5: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
2-19,17-19: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-

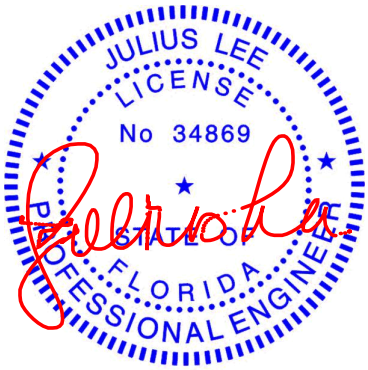
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 13-15
WEBS 1 Row at midpt 4-18

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=-155(LC 10)
Max Uplift 2=-125(LC 12), 10=-121(LC 12)
Max Grav 2=1669(LC 1), 10=1674(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5172/370, 3-4=-5047/324, 4-5=-2906/233, 5-6=-2655/254, 6-7=-2655/254, 7-8=-3414/322, 8-9=-3456/261, 9-10=-2923/208
BOT CHORD 2-19=-272/4641, 18-19=-180/4418, 17-18=-12/2536, 16-17=-20/2528, 15-16=-22/2524, 8-15=-262/126, 10-12=-115/2520
WEBS 4-19=0/1262, 4-18=-2011/180, 5-18=0/785, 5-17=-35/357, 6-17=-280/91, 7-17=-41/355, 7-15=-132/1151, 12-15=-132/2587, 9-15=0/512, 9-12=-693/123

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-10-6, Zone1 1-10-6 to 15-0-0, Zone2 15-0-0 to 20-5-10, Zone1 20-5-10 to 23-8-0, Zone2 23-8-0 to 29-1-10, Zone1 29-1-10 to 40-8-0 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.
8) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=125, 10=121.



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

March 28,2025

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

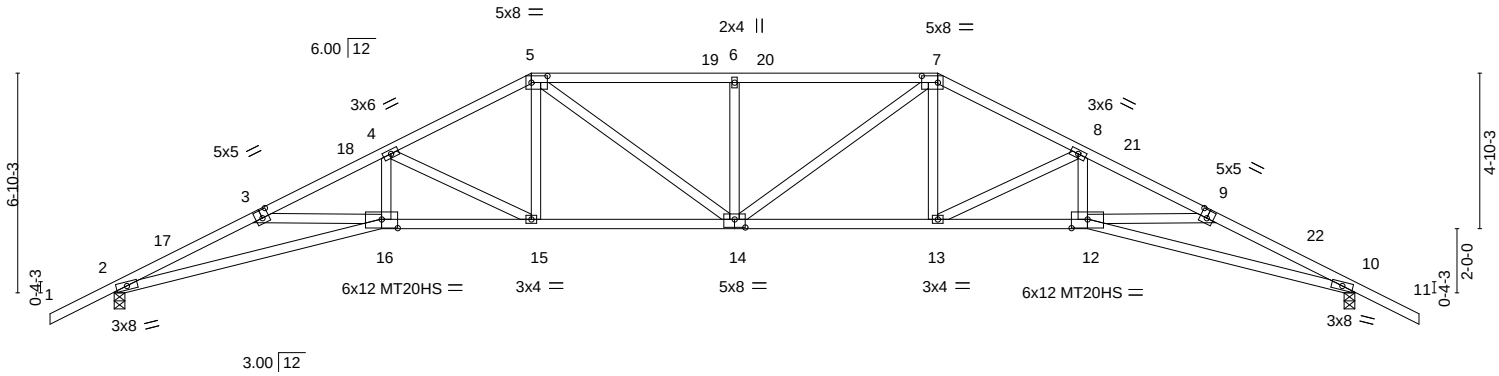
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	A05	Hip	1	1	T36809142
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:50 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-?qqlHqIocYGCZB9IX02IKgDVt13xe0_9OmRtfTzWpFp

-2-0-0	4-7-7	8-4-0	13-0-0	19-4-0	25-8-0	30-4-0	34-0-9	38-8-0	40-8-0
2-0-0	4-7-7	3-8-9	4-8-0	6-4-0	6-4-0	4-8-0	3-8-9	4-7-7	2-0-0

Scale = 1:71.8



8-4-0	13-0-0	19-4-0	25-8-0	30-4-0	38-8-0
8-4-0	4-8-0	6-4-0	6-4-0	4-8-0	8-4-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.48	14	>967	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.96	13-14	>479	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.64	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.26	14	>999	240	Weight: 201 lb	FT = 20%

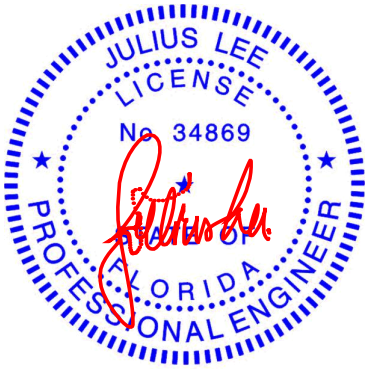
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-16,10-12: 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=-136(LC 10)
Max Uplift 2=-128(LC 12), 10=-128(LC 12)
Max Grav 2=1663(LC 1), 10=1663(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5174/397, 3-4=-4986/325, 4-5=-3251/255, 5-6=-3259/286, 6-7=-3259/286, 7-8=-3251/261, 8-9=-4986/337, 9-10=-5174/408
BOT CHORD 2-16=-297/4646, 15-16=-175/4351, 14-15=-48/2881, 13-14=-62/2881, 12-13=-197/4351, 10-12=-319/4646
WEBS 4-16=0/1246, 4-15=-1667/144, 5-15=-2/851, 5-14=-51/617, 6-14=-425/130, 7-14=-51/617, 7-13=-4/851, 8-13=-1667/150, 8-12=-4/1246

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-10-6, Zone1 1-10-6 to 13-0-0, Zone2 13-0-0 to 18-5-10, Zone1 18-5-10 to 25-8-0, Zone2 25-8-0 to 31-1-10, Zone1 31-1-10 to 40-8-0 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.
8) Bearing at joint(s) 2, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=128, 10=128.



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

March 28,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	A05T	Hip	1	1	T36809143
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:51 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-T1N7VAJRNsO3BLkV5jZXttlhgRP9NS1IdQARBvzWpFo

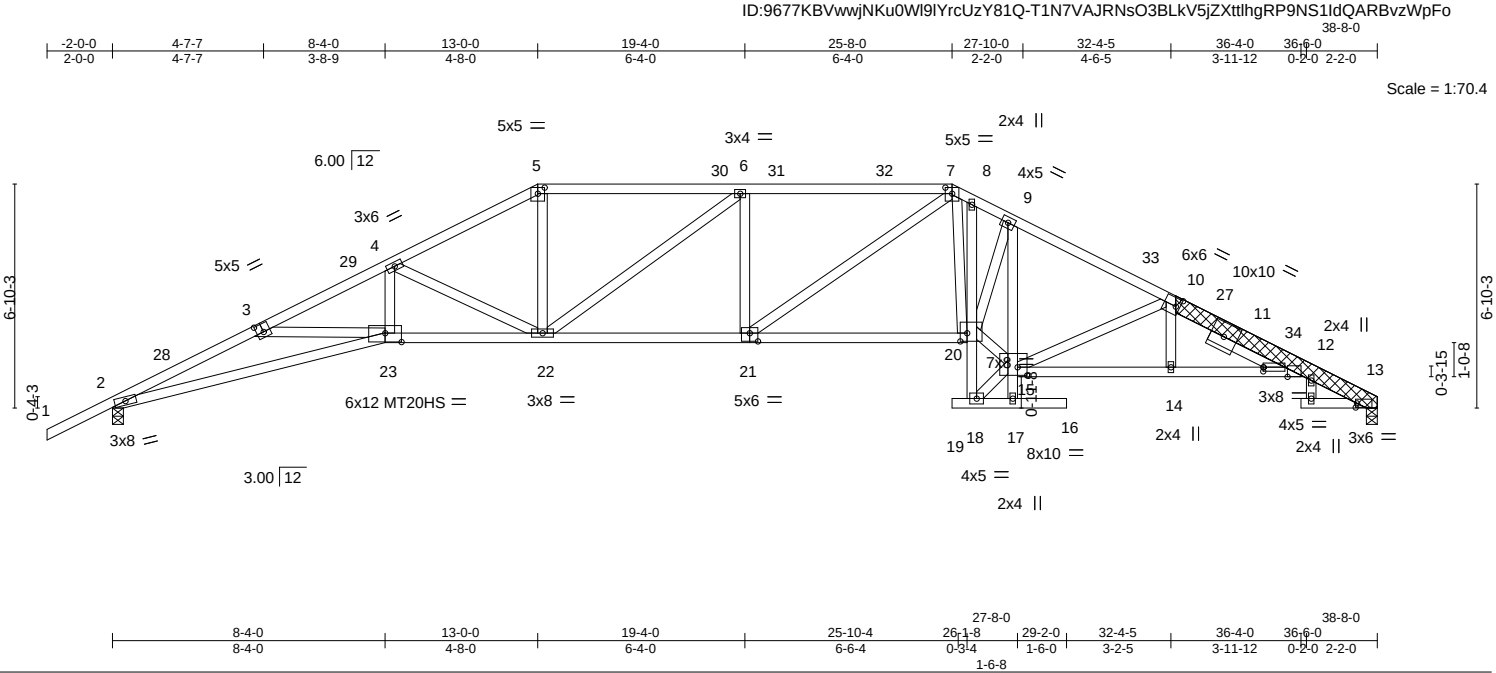


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-2-8,0-2-4], [7:0-2-8,0-2-4], [10:0-1-8,0-3-0], [12:0-8-13,Edge], [12:0-0-1,0-1-8], [13:0-0-8,0-1-8], [15:0-3-8,0-3-0], [20:0-2-8,0-3-0], [21:0-3-0,0-3-0], [23:0-6-0,0-3-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.43	21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.89	20-21	>516	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.58	13	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.25	21	>999	240	Weight: 264 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 10-13: 2x6 SP DSS
BOT CHORD	2x4 SP No.2 *Except* 2-23,12-15: 2x4 SP M 31 or 2x4 SP SS
WEBS	2x4 SP No.2
OTHERS	2x6 SP DSS
LBR SCAB	10-13 2x6 SP DSS both sides
SLIDER	Right 2x4 SP No.2 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 22-23 6-0-0 oc bracing: 17-18. 6-0-0 oc bracing: 18-20 10-0-0 oc bracing: 15-17

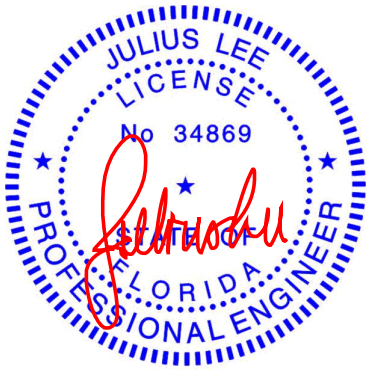
REACTIONS. (size) 13=0-4-0, 2=0-4-0
Max Horz 2=131(LC 11)
Max Uplift 13=-43(LC 12), 2=-122(LC 12)
Max Grav 13=1566(LC 1), 2=1680(LC 1)

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

TOP CHORD	2-3=-5238/416, 3-4=-5054/345, 4-5=-3302/261, 5-6=-2936/258, 6-7=-3332/278, 7-8=-3304/238, 8-9=-3495/262, 9-10=-3079/222, 10-12=-4008/248, 12-13=-632/61
BOT CHORD	2-23=-352/4704, 22-23=-228/4411, 21-22=-107/3332, 20-21=-68/2954, 8-20=-65/371, 9-15=-1556/76, 14-15=-180/3819, 12-14=-184/3812
WEBS	4-23=-11/1261, 4-22=-1682/158, 5-22=-24/1144, 6-22=-641/37, 7-21=-48/613, 15-20=-81/3448, 9-20=0/1116, 10-15=-1238/114, 7-20=-0/809

NOTES-

1) Attached 7-0-9 scab 10 to 13, both face(s) 2x6 SP DSS with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 0-0-4 from end at joint 10, nail 2 row(s) at 7" o.c. for 5-5-6.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-10-6, Zone1 1-10-6 to 13-0-0, Zone2 13-0-0 to 18-5-10, Zone1 18-5-10 to 25-8-0, Zone2 25-8-0 to 31-1-10, Zone1 31-1-10 to 38-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 13, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: March 28,2025

Continued on page 2

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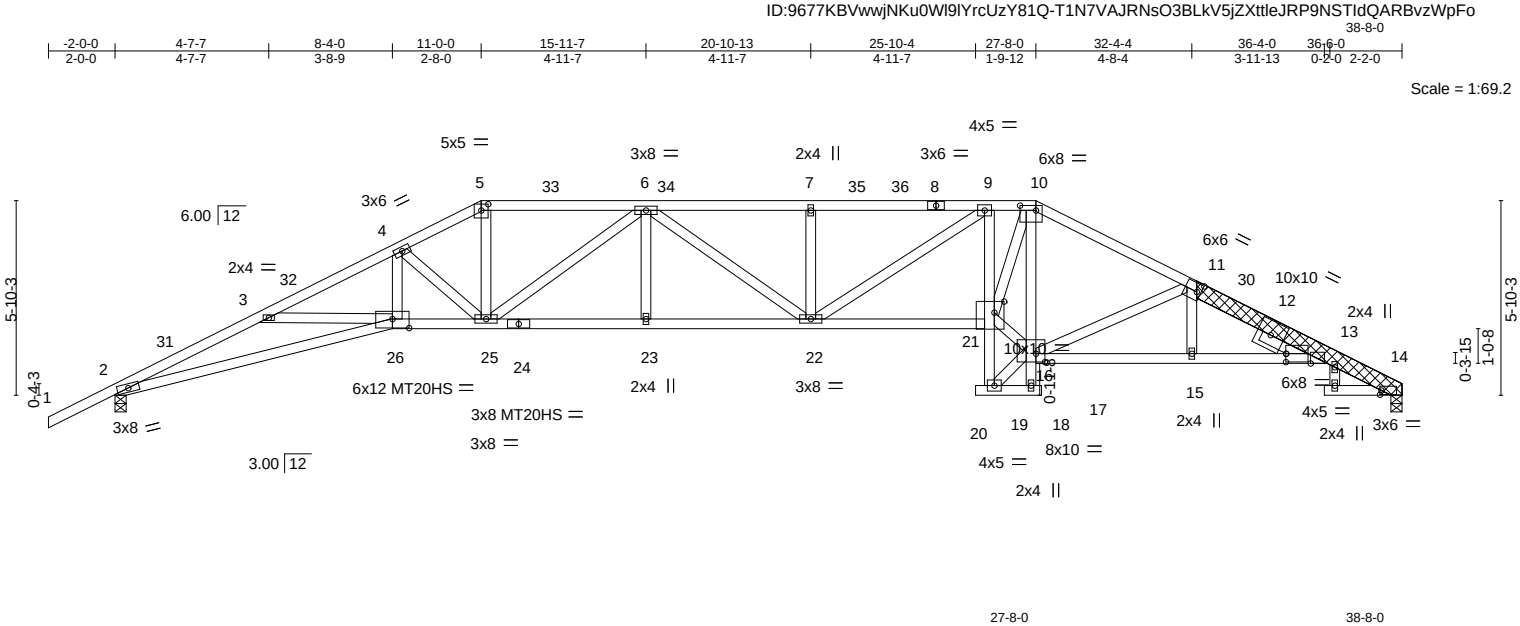
NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 2=122.

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	A06	Hip	1	1	T36809144
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:51 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-T1N7VAJRNsO3BLkV5jZXttleJRP9NSTIdQARBvzWpFo



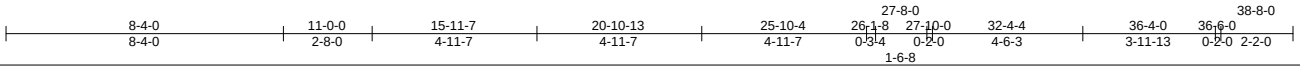


Plate Offsets (X,Y)-- [5:0-2-8,0-2-4], [10:0-5-12,0-1-12], [11:0-1-8,0-3-0], [13:0-0-1,0-3-0], [13:0-8-13,Edge], [14:0-0-8,0-1-8], [16:0-3-4,0-3-0], [21:0-3-8,0-4-0], [26:0-6-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.87	Vert(LL)	-0.55	22-23	>842	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-1.10	22-23	>418	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.70	14	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.31	22-23	>999	240	Weight: 255 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	11-14: 2x6 SP No.2
BOT CHORD	2x4 SP No.2 *Except*
	2-26: 2x4 SP M 31 or 2x4 SP SS
WEBS	2x4 SP No.2
OTHERS	2x6 SP No.2
LBR SCAB	11-14 2x6 SP No.2 both sides
SLIDER	Right 2x4 SP No.2 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
	6-0-0 oc bracing: 19-21, 16-18

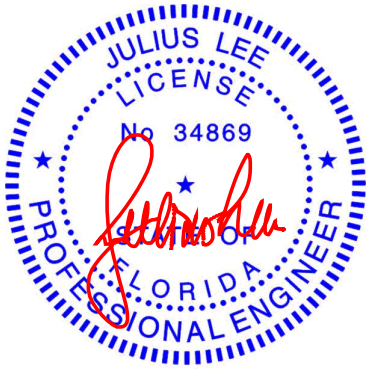
REACTIONS. (size) 2=0-4-0, 14=0-4-0
Max Horz 2=113(LC 11)
Max Uplift 2=-127(LC 12), 14=-56(LC 12)
Max Grav 2=1672(LC 1), 14=1544(LC 1)

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

TOP CHORD	2-3=-5196/446, 3-4=-5012/351, 4-5=-3759/302, 5-6=-3390/284, 6-7=-4160/332,
	7-9=-4160/332, 9-10=-3877/309, 10-11=-3015/254, 11-13=-3939/295, 13-14=-623/67
BOT CHORD	2-26=-380/4664, 25-26=-229/4369, 23-25=-178/4037, 22-23=-178/4037, 21-22=-168/3942,
	9-21=-401/95, 10-16=-1969/82, 15-16=-225/3764, 13-15=-229/3757
WEBS	4-26=-20/1230, 4-25=-1367/126, 5-25=-77/1453, 6-25=-909/70, 6-22=-9/251,
	7-22=-320/93, 9-22=-22/421, 16-21=-126/3608, 10-21=-169/3354, 11-16=-1248/144

NOTES-

1) Attached 7-0-10 scab 11 to 14, both face(s) 2x6 SP No.2 with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 0-0-4 from end at joint 11, nail 2 row(s) at 7" o.c. for 3-4-7; starting at 3-5-3 from end at joint 11, nail 2 row(s) at 7" o.c. for 2-0-0.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-10-6, Zone1 1-10-6 to 11-0-0, Zone2 11-0-0 to 16-5-10, Zone1 16-5-10 to 27-8-0, Zone2 27-8-0 to 33-1-10, Zone1 33-1-10 to 38-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 2, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 2=127.



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

March 28,2025

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Job	Truss	Truss Type	Qty	Ply	1820-A-Tray	T36809145
6250759	A07	Hip	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:52 2025 Page 1
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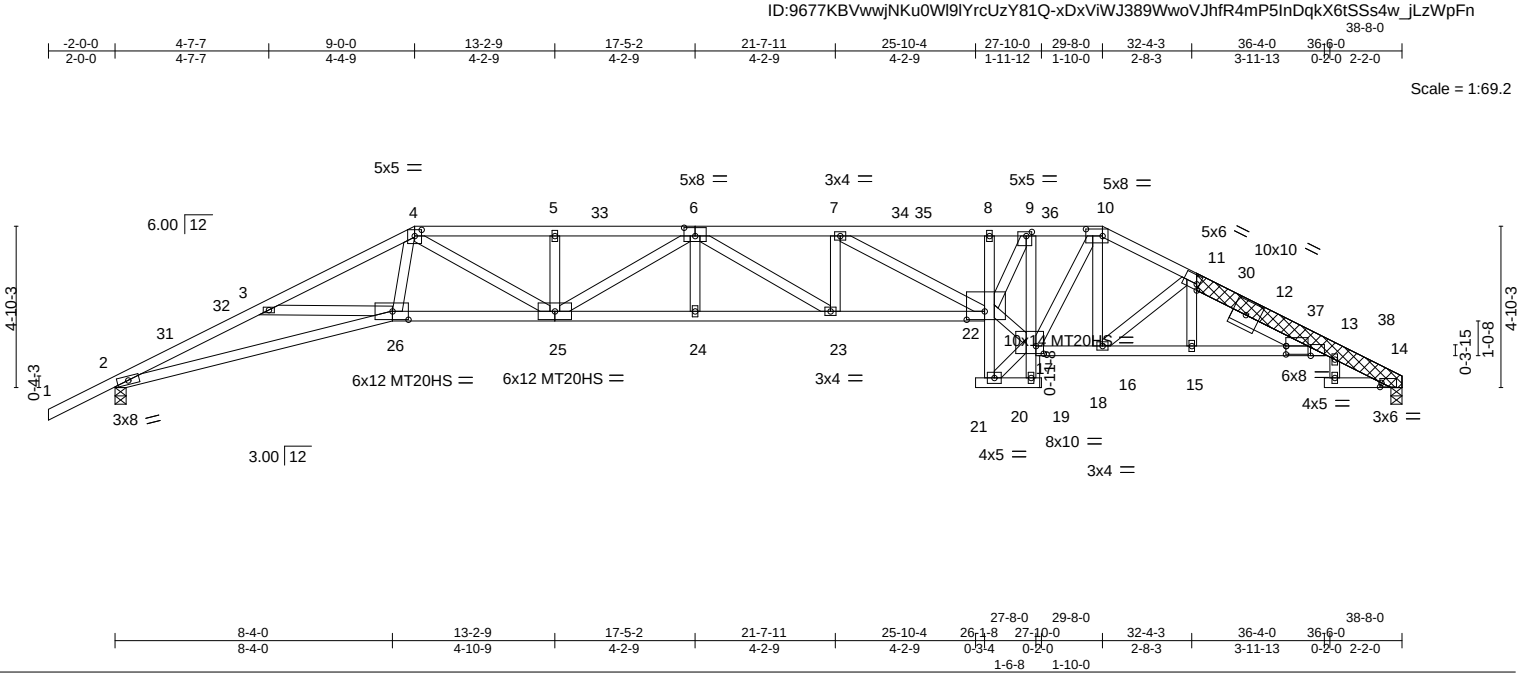

Plate Offsets (X,Y)-- [4:0-2-8,0-2-4], [6:0-4-0,0-3-0], [9:0-2-0,0-1-8], [10:0-6-0,0-2-8], [11:Edge,0-2-0], [13:0-0-1,0-3-0], [13:0-8-13,Edge], [14:0-0-8,0-1-8], [17:0-2-12,0-2-12], [22:0-6-8,0-3-0], [26:0-5-12,0-3-0]

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	0.99	Vert(LL)	-0.71	23-24	>647	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-1.43	23-24	>321	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.78	14	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.41	23-24	>999	240	Weight: 252 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	11-14: 2x6 SP No.2
BOT CHORD	2x4 SP No.2 *Except*
	2-26,22-25: 2x4 SP M 31 or 2x4 SP SS
WEBS	2x4 SP No.2
OTHERS	2x6 SP No.2
LBR SCAB	11-14 2x6 SP No.2 both sides
SLIDER	Right 2x4 SP No.2 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
	2-2-0 oc bracing: 25-26,13-15
	6-0-0 oc bracing: 19-20.
	6-0-0 oc bracing: 20-22, 17-19

REACTIONS. (size) 2=0-4-0, 14=0-4-0
Max Horz 2=95(LC 11)
Max Uplift 2=-127(LC 12), 14=-56(LC 12)
Max Grav 2=1672(LC 1), 14=1544(LC 1)

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

TOP CHORD	2-3=-5211/459, 3-4=-4972/321, 4-5=-5174/368, 5-6=-5174/368, 6-7=-5711/404, 7-8=-5033/371, 8-9=-4947/366, 9-10=-3358/282, 10-11=-3321/270, 11-13=-3916/281, 13-14=-623/66
BOT CHORD	2-26=-394/4679, 25-26=-187/4071, 24-25=-281/5715, 23-24=-281/5715, 22-23=-282/5711, 9-17=-3277/190, 16-17=-130/2930, 15-16=-203/3726, 13-15=-206/3720
WEBS	4-26=-20/1307, 4-25=-96/1376, 5-25=-260/87, 6-25=-702/41, 7-22=-855/45, 17-22=-196/4251, 9-22=-190/3565, 10-17=-59/885, 10-16=-35/617, 11-16=-1008/107, 17-20=-19/277

NOTES-

1) Attached 7-0-11 scab 11 to 14, both face(s) 2x6 SP No.2 with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 0-0-4 from end at joint 11, nail 2 row(s) at 4" o.c. for 5-5-8.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-10-6, Zone1 1-10-6 to 9-0-0, Zone2 9-0-0 to 14-5-10, Zone1 14-5-10 to 29-8-0, Zone2 29-8-0 to 35-1-10, Zone1 35-1-10 to 38-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Continued on page 2

JULIUS LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: March 28,2025

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Chesterfield, MO 63017
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NOTES-

10) Bearing at joint(s) 2, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 2=127.

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	A08	Hip Girder	1	2	T36809146
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:54 2025 Page 1
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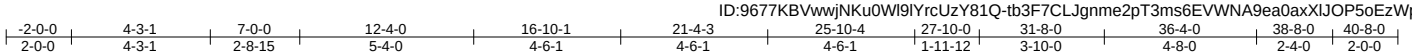

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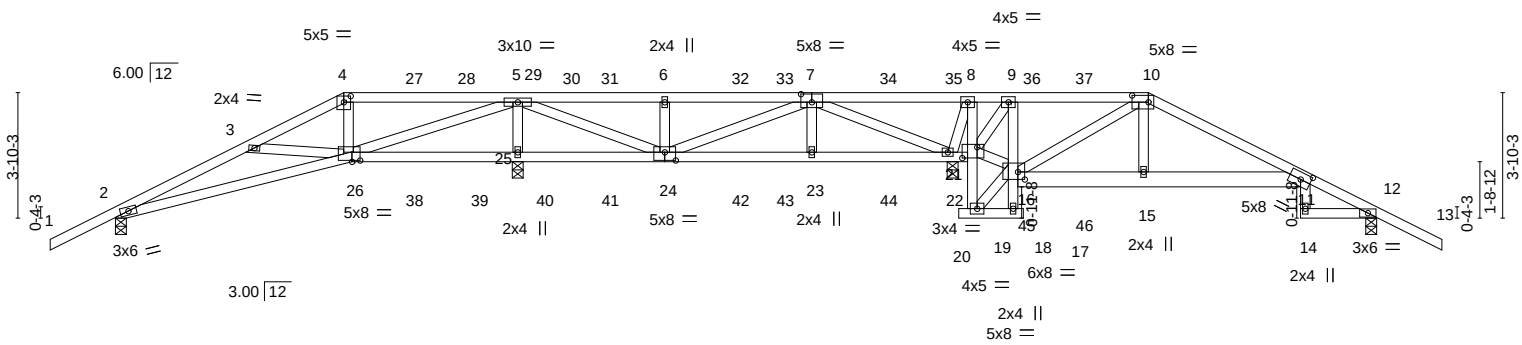

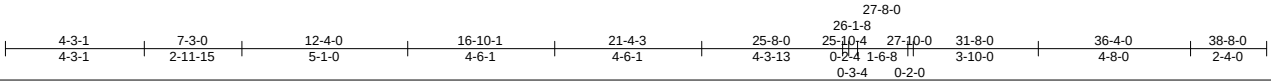

Plate Offsets (X,Y)-- [4:0-2-8,0-2-4], [7:0-4-0,0-3-0], [10:0-6-0,0-2-8], [11:0-3-12,0-2-9], [16:0-2-8,0-2-12], [21:0-5-8,0-4-0], [24:0-4-0,0-3-0], [26:0-3-0,0-0-8]

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	0.77	Vert(LL)	-0.09	11-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.17	11-15	>889	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(CT)	0.09	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S		Wind(LL)	0.04	11-15	>999	240	Weight: 407 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
11-16: 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
10-0-0 oc bracing: 19-21, 16-18

REACTIONS. All bearings 0-4-0.
(lb) - Max Horz 2=-82(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 2 except 12=-110(LC 8), 25=-428(LC 8), 22=-377(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 2=738(LC 1), 12=597(LC 1), 25=2364(LC 19), 22=3021(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1605/23, 3-4=-1341/0, 4-5=-1169/0, 5-6=-231/443, 6-7=-231/443, 7-8=-171/2884, 8-9=-158/2576, 9-10=-56/1000, 10-11=-658/63, 11-12=-255/51
BOT CHORD 2-26=0/1412, 25-26=-1196/251, 24-25=-1196/251, 23-24=-571/0, 22-23=-571/0, 21-22=-2759/231, 8-21=0/377, 9-16=-63/1765, 15-16=-30/608, 11-15=-40/570
WEBS 3-26=-295/164, 4-26=-97/279, 5-26=-117/2494, 5-25=-2106/480, 5-24=-615/1540, 6-24=-548/181, 7-24=-20/613, 7-23=-30/429, 7-22=-2736/616, 16-21=-1230/164, 9-21=-2493/166, 10-16=-1863/100, 10-15=0/676, 8-22=-901/113

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 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=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 12=110, 25=428, 22=377.

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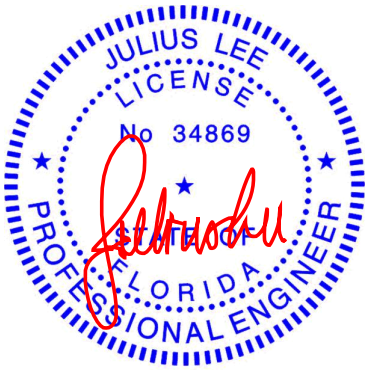

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March 28,2025

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NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 385 lb down and 237 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, 127 lb down and 85 lb up at 13-0-12, 127 lb down and 85 lb up at 15-0-12, 127 lb down and 85 lb up at 17-0-12, 127 lb down and 85 lb up at 19-0-12, 127 lb down and 85 lb up at 19-7-4, 127 lb down and 85 lb up at 21-7-4, 127 lb down and 85 lb up at 23-7-4, 122 lb down and 83 lb up at 25-7-4, 122 lb down and 83 lb up at 27-7-4, and 105 lb down and 62 lb up at 29-7-4, and 267 lb down and 158 lb up at 31-8-0 on top chord, and 341 lb down at 7-3-0, 95 lb down at 9-0-12, 95 lb down at 11-0-12, 97 lb down and 41 lb up at 13-0-12, 97 lb down and 41 lb up at 15-0-12, 97 lb down and 41 lb up at 17-0-12, 97 lb down and 41 lb up at 19-0-12, 97 lb down and 41 lb up at 19-7-4, 97 lb down and 41 lb up at 21-7-4, 97 lb down and 41 lb up at 23-7-4, 95 lb down at 25-10-4, 95 lb down at 27-10-0, and 81 lb down at 29-7-4, and 396 lb down and 35 lb up at 31-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-10=-60, 10-11=-60, 11-13=-60, 2-26=-20, 21-26=-20, 19-20=-20, 18-19=-20, 17-18=-20, 11-16=-20, 12-14=-20
   Concentrated Loads (lb)
   Vert: 4=-338(B) 10=-220(B) 26=-275(B) 17=-48(B) 9=-122(B) 24=-49(B) 6=-127(B) 7=-127(B) 23=-49(B) 22=-48(B) 15=-396(B) 27=-122(B) 29=-122(B) 30=-127(B) 31=-127(B) 32=-127(B) 33=-127(B) 34=-127(B) 35=-122(B) 37=-100(B) 38=-48(B) 39=-48(B) 40=-49(B) 41=-49(B) 42=-49(B) 43=-49(B) 44=-49(B) 46=-72(B)

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	A09	Hip	1	1	T36809147
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:55 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-LoddKYMxR4uVfz2GKZdT1jwNm2sAJlvuY28eKgzWpFk

-2-0-0	4-7-7	8-4-0	11-0-0	16-6-11	22-1-5	27-8-0	30-4-0	34-0-9	38-8-0	40-8-0
2-0-0	4-7-7	3-8-9	2-8-0	5-6-11	5-6-11	5-6-11	2-8-0	3-8-9	4-7-7	2-0-0

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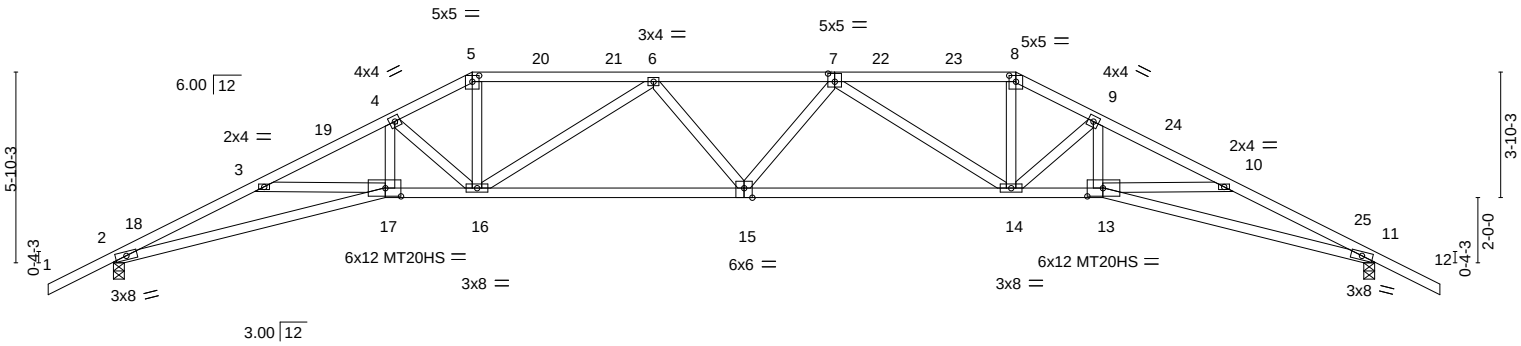


8-4-0	11-0-0	19-4-0	27-8-0	30-4-0	38-8-0
8-4-0	2-8-0	8-4-0	8-4-0	2-8-0	8-4-0

Plate Offsets (X,Y)-- [5:0-2-8,0-2-4], [7:0-2-8,0-3-0], [8:0-2-8,0-2-4], [13:0-5-12,0-3-0], [15:0-3-0,Edge], [17:0-5-12,0-3-0]

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	0.65	Vert(LL)	-0.51	15	>895	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-1.05	15-16	>437	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.63	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.28	15	>999	240	Weight: 195 lb	FT = 20%

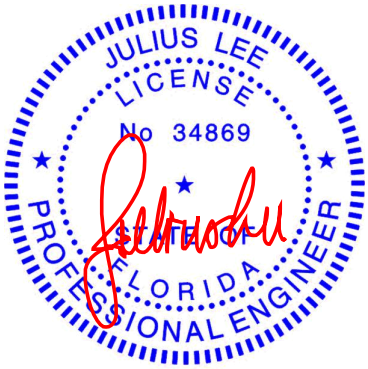
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31 or 2x4 SP SS
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=107(LC 11)
Max Uplift 2=-128(LC 12), 11=-128(LC 12)
Max Grav 2=1663(LC 1), 11=1663(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5163/376, 3-4=-4978/284, 4-5=-3747/248, 5-6=-3380/236, 6-7=-4100/266, 7-8=-3380/243, 8-9=-3747/256, 9-10=-4978/296, 10-11=-5163/388
BOT CHORD 2-17=-279/4634, 16-17=-134/4340, 15-16=-140/4033, 14-15=-139/4033, 13-14=-158/4340, 11-13=-303/4634
WEBS 4-17=-7/1206, 4-16=-1341/107, 5-16=-46/1432, 6-16=-892/94, 7-14=-892/94, 8-14=-50/1432, 9-14=-1341/112, 9-13=-13/1206

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 27-8-0, Zone2 27-8-0 to 31-10-15, Zone1 31-10-15 to 40-8-0 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.
8) Bearing at joint(s) 2, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=128, 11=128.



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

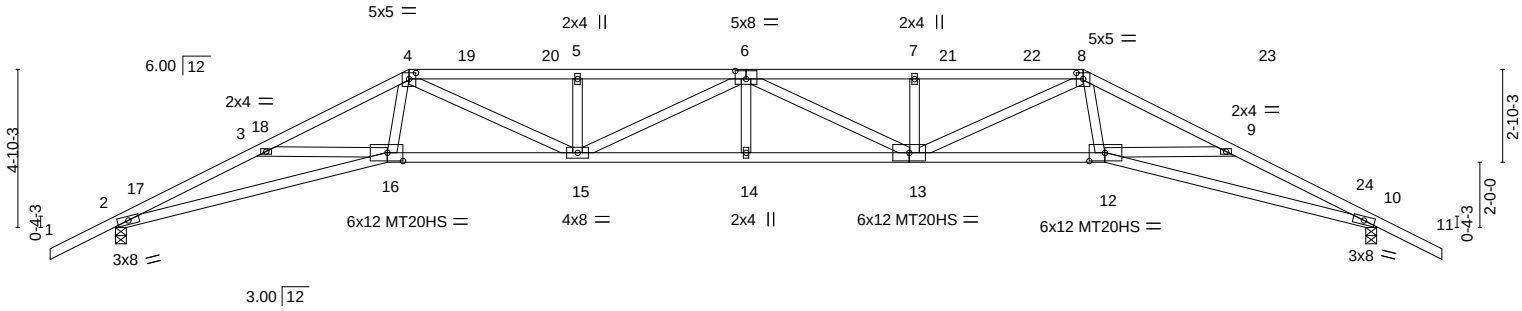
March 28,2025

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	A10	Hip	1	1	T36809148
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:55 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-LoddKYMxR4uVfz2GKZdT1jwId2m7JNouY28eKgzWpFk

-2-0-0	4-7-7	9-0-0	14-2-0	19-4-0	24-6-0	29-8-0	34-0-9	38-8-0	40-8-0
2-0-0	4-7-7	4-4-9	5-2-0	5-2-0	5-2-0	5-2-0	4-4-9	4-7-7	2-0-0

Scale = 1:70.6



8-4-0	14-2-0	19-4-0	24-6-0	30-4-0	38-8-0
8-4-0	5-10-0	5-2-0	5-2-0	5-10-0	8-4-0

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

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	0.98	Vert(LL)	-0.69	14	>663	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-1.39	13-14	>331	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.74	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.39	14	>999	240	Weight: 187 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 M 31 or 2x4 SP SS *Except*
12-13: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 12-13.

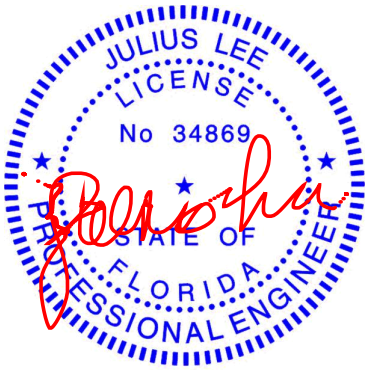
REACTIONS. (size) 2=0-4-0, 10=0-4-0
Max Horz 2=-91(LC 10)
Max Uplift 2=-128(LC 12), 10=-128(LC 12)
Max Grav 2=1663(LC 1), 10=1663(LC 1)

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

TOP CHORD 2-3=-5177/390, 3-4=-4945/261, 4-5=-5328/339, 5-6=-5328/339, 6-7=-5327/336, 7-8=-5327/336, 8-9=-4945/274, 9-10=-5178/403
BOT CHORD 2-16=-294/4649, 15-16=-109/4048, 14-15=-218/5736, 13-14=-218/5736, 12-13=-129/4048, 10-12=-318/4650
WEBS 4-16=0/1306, 4-15=-97/1526, 5-15=-325/98, 6-15=-538/27, 6-13=-539/27, 7-13=-325/98, 8-13=-96/1525, 8-12=0/1308

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 29-8-0, Zone2 29-8-0 to 33-10-15, Zone1 33-10-15 to 40-8-0 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.
8) Bearing at joint(s) 2, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=128, 10=128.



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

March 28,2025

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	A11	ROOF SPECIAL GIRDER	1	2	T36809149
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:56 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-p_B0YtNZCO0LH6dSuH8iaxTWTS9P2i01niuCs7zWpFj

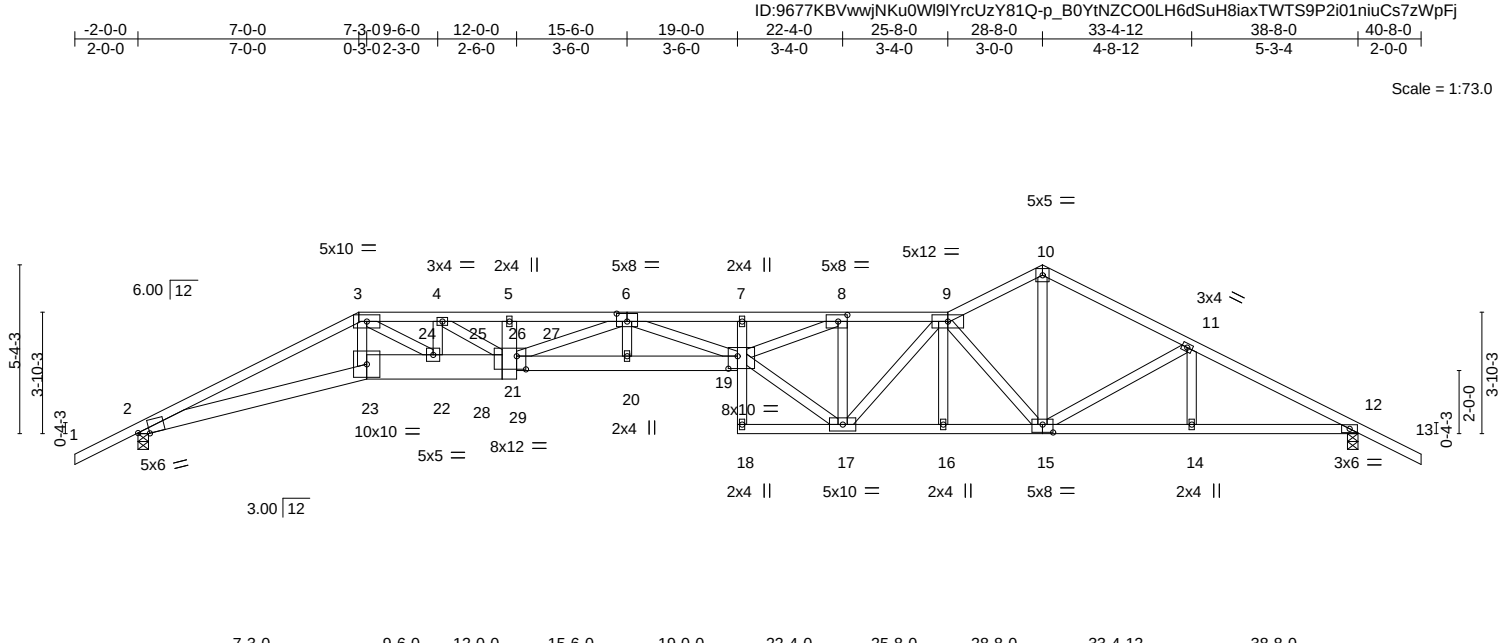


Plate Offsets (X,Y)-- [2:0-4-5,Edge], [6:0-4-0,0-3-0], [8:0-3-8,0-2-8], [15:0-4-0,0-3-0], [19:0-3-8,0-4-12], [21:0-3-8,0-5-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.78	Vert(LL)	-0.68	19	>680	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-1.37	19	>336	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.50	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.39	19	>999	240	Weight: 462 lb	FT = 20%

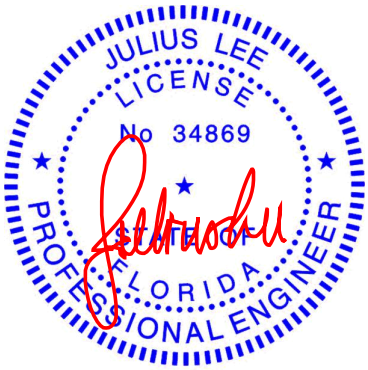
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-3: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
2-23: 2x6 SP No.2, 21-23: 2x10 SP No.2, 19-21: 2x6 SP DSS
WEBS 2x4 SP No.2 *Except*
5-21: 2x6 SP No.2

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

REACTIONS. (size) 2=0-4-0, 12=0-4-0
Max Horz 2=99(LC 26)
Max Uplift 2=-144(LC 8), 12=-135(LC 8)
Max Grav 2=2294(LC 1), 12=1834(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-8287/191, 3-4=-8941/263, 4-5=-10327/337, 5-6=-10327/337, 6-7=-12000/404, 7-8=-11756/402, 8-9=-4801/227, 9-10=-2870/157, 10-11=-2917/153, 11-12=-3287/120
BOT CHORD 2-23=-88/7530, 22-23=-55/7636, 21-22=-143/8941, 16-17=-84/4260, 15-16=-85/4258, 14-15=-28/2846, 12-14=-28/2846, 20-21=-274/11948, 19-20=-273/11941
WEBS 3-22=-106/1537, 4-22=-1259/133, 4-21=-89/1691, 6-21=-1754/249, 6-20=0/364, 6-19=-450/505, 11-15=-373/47, 10-15=-73/2294, 9-15=-2646/133, 9-17=-34/852, 8-17=-3382/133, 8-19=-191/7604, 17-19=-121/5453, 3-23=0/2457

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x10 - 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, 2x6 - 2 rows staggered at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: March 28,2025

Continued on page 2

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NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=144, 12=135.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 287 lb down and 171 lb up at 7-0-0, and 162 lb down and 83 lb up at 9-0-12, and 162 lb down and 83 lb up at 11-0-12 on top chord, and 341 lb down at 7-3-0, and 95 lb down at 9-0-12, and 95 lb down at 11-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

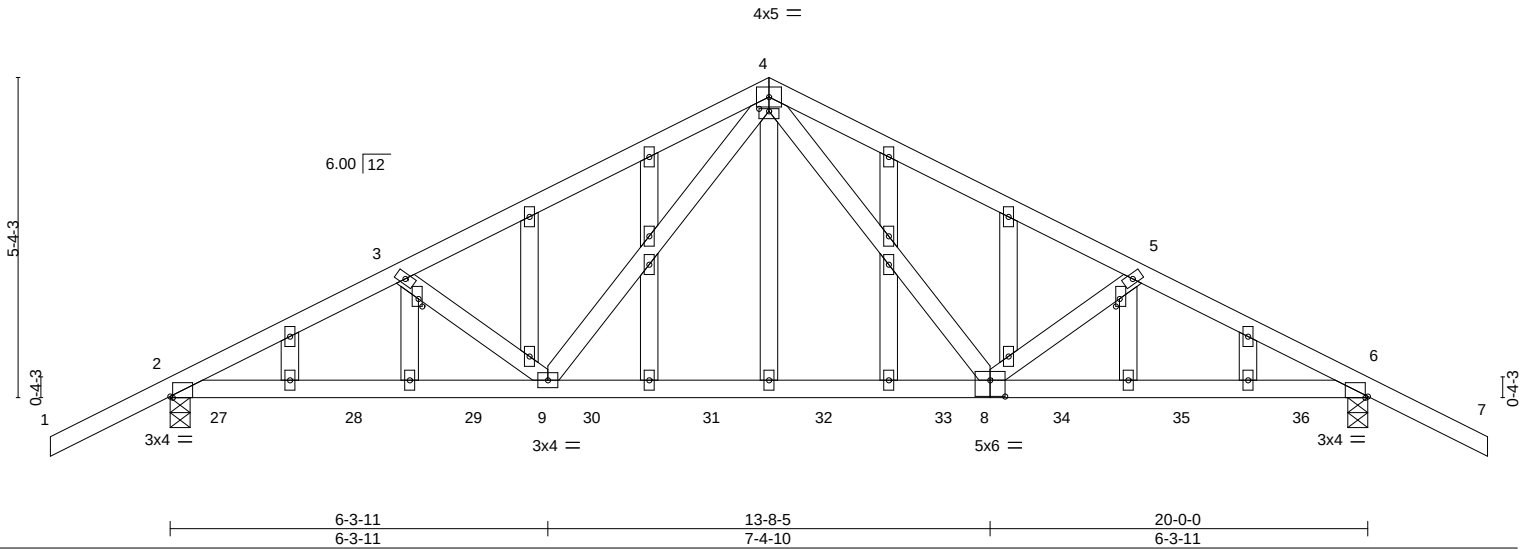
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-9=-60, 9-10=-60, 10-13=-60, 2-23=-20, 19-23=-20, 12-18=-20
   Concentrated Loads (lb)
   Vert: 23=-275(F) 3=-190(F) 24=-122(F) 26=-122(F) 28=-48(F) 29=-48(F)

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	B01	GABLE	1	1	T36809150
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:57 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-IAlOlDNBzi8CvGCeR_gx68?jOrUknHVB?MdlPZzWpFi

-2-0-0	3-11-2	10-0-0	16-0-14	20-0-0	22-0-0
2-0-0	3-11-2	6-0-14	6-0-14	3-11-2	2-0-0

Scale = 1:38.5



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

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.22	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.26	8-9	>917	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.33	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 129 lb	FT = 20%

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

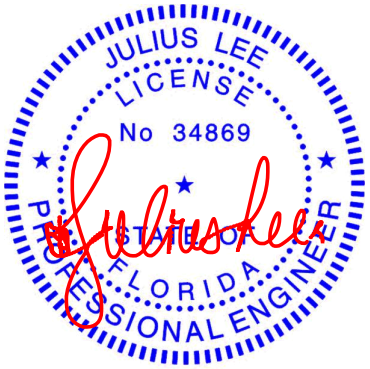
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 6=0-4-0
Max Horz 2=99(LC 7)
Max Uplift 2=-458(LC 8), 6=-454(LC 8)
Max Grav 2=1314(LC 38), 6=1309(LC 39)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1879/554, 3-4=-1678/536, 4-5=-1689/543, 5-6=-1883/562
BOT CHORD 2-9=-426/1701, 8-9=-215/1058, 6-8=-434/1640
WEBS 4-8=-478/826, 5-8=-291/98, 4-9=-447/802, 3-9=-294/100

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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=458, 6=454.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 178 lb down and 229 lb up at 0-10-0, 118 lb down and 144 lb up at 1-1-1, 118 lb down and 145 lb up at 3-1-1, 118 lb down and 145 lb up at 5-1-1, 118 lb down and 145 lb up at 7-0-12, 118 lb down and 145 lb up at 9-0-12, 118 lb down and 145 lb up at 10-11-4, 118 lb down and 145 lb up at 12-11-4, 118 lb down and 145 lb up at 14-10-15, 118 lb down and 145 lb up at 16-10-15, and 118 lb down and 144 lb up at 18-10-15, and 178 lb down and 229 lb up at 19-2-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) 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



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Date:

March 28,2025

Continued on page 2

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LOAD CASE(S) Standard

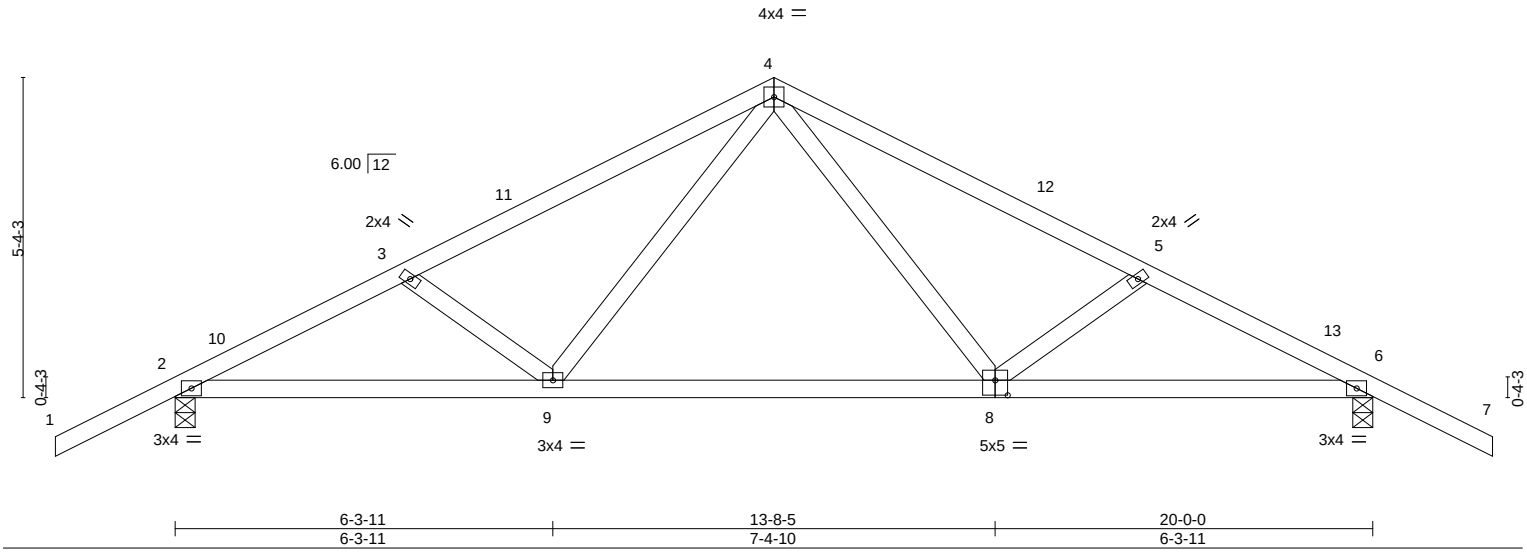
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-7=-60, 2-6=-20
   Concentrated Loads (lb)
   Vert: 27=139(B) 28=56(B) 29=56(B) 30=56(B) 31=56(B) 32=56(B) 33=56(B) 34=56(B) 35=56(B) 36=139(B)

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray T36809151
6250759	B02	Common	2	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:57 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-IAlOlDNBzi8CvGCeR_gx68?lTrZAnLBB?MdlPZzWpFi

-2-0-0	3-11-1	10-0-0	16-0-15	20-0-0	22-0-0
2-0-0	3-11-1	6-0-15	6-0-15	3-11-1	2-0-0

Scale = 1:38.5



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

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.06	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.16	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.03	8-9	>999	240	Weight: 97 lb	FT = 20%

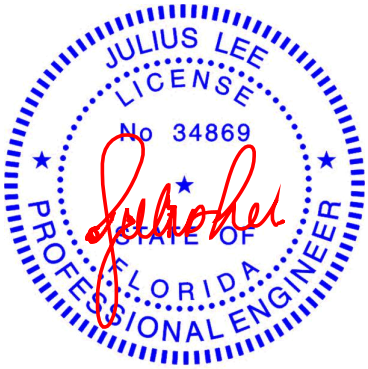
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-4-0, 6=0-4-0
Max Horz 2=-99(LC 10)
Max Uplift 2=-95(LC 12), 6=-95(LC 12)
Max Grav 2=917(LC 1), 6=917(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1394/180, 3-4=-1175/140, 4-5=-1175/140, 5-6=-1394/180
BOT CHORD 2-9=-88/1191, 8-9=0/752, 6-8=-109/1191
WEBS 4-8=-2/422, 5-8=-293/149, 4-9=-2/422, 3-9=-293/149

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 10-0-0, Zone2 10-0-0 to 14-2-15, Zone1 14-2-15 to 22-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.



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

March 28,2025

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Chesterfield, MO 63017
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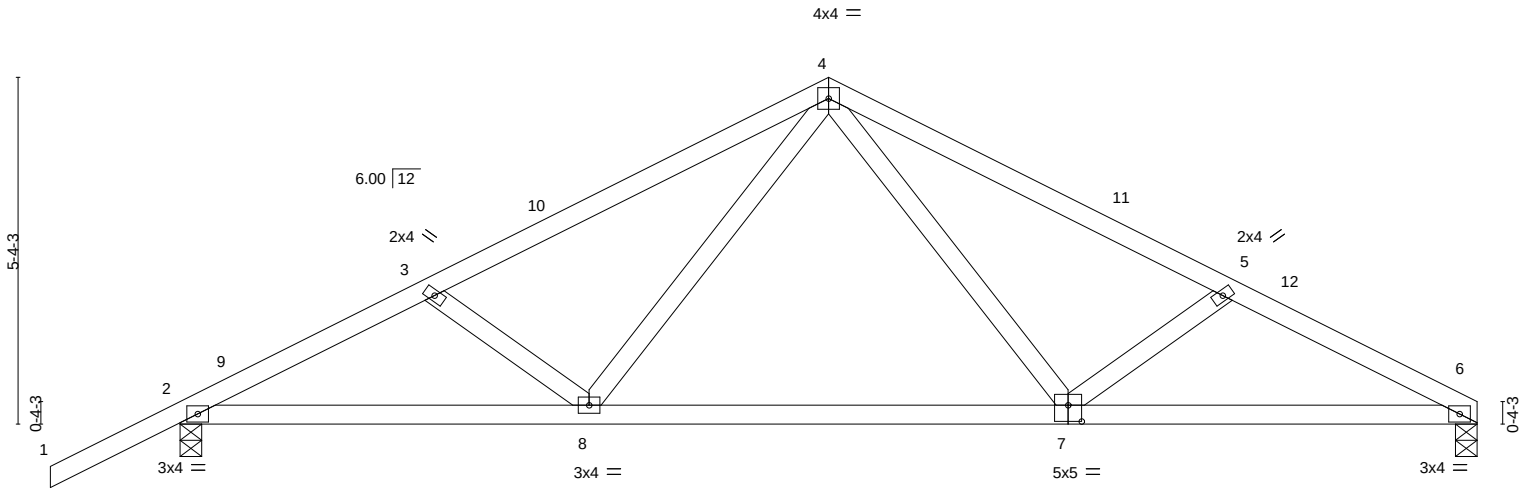
Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	B03	Common	6	1	T36809152
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:58 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-mNJmzZOqj?G3WQnr?iBAfMYvBFuCWoOKE0NJx?zWpFh

-2-0-0	3-11-1	10-0-0	16-0-15	20-0-0
2-0-0	3-11-1	6-0-15	6-0-15	3-11-1

Scale = 1:35.5



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

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.06	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.15	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	0.03	7-8	>999	240	Weight: 94 lb	FT = 20%

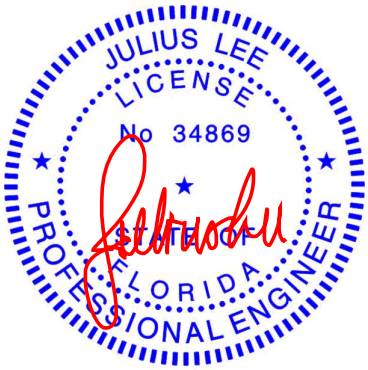
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-4-0, 2=0-4-0
Max Horz 2=95(LC 11)
Max Uplift 6=-30(LC 12), 2=-99(LC 12)
Max Grav 6=780(LC 1), 2=924(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1409/202, 3-4=-1189/161, 4-5=-1217/181, 5-6=-1440/226
BOT CHORD 2-8=-146/1204, 7-8=-27/766, 6-7=-162/1255
WEBS 4-7=-14/435, 5-7=-326/161, 4-8=0/421, 3-8=-293/150

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=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 10-0-0, Zone2 10-0-0 to 14-2-15, Zone1 14-2-15 to 19-10-0 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.



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Date:

March 28,2025

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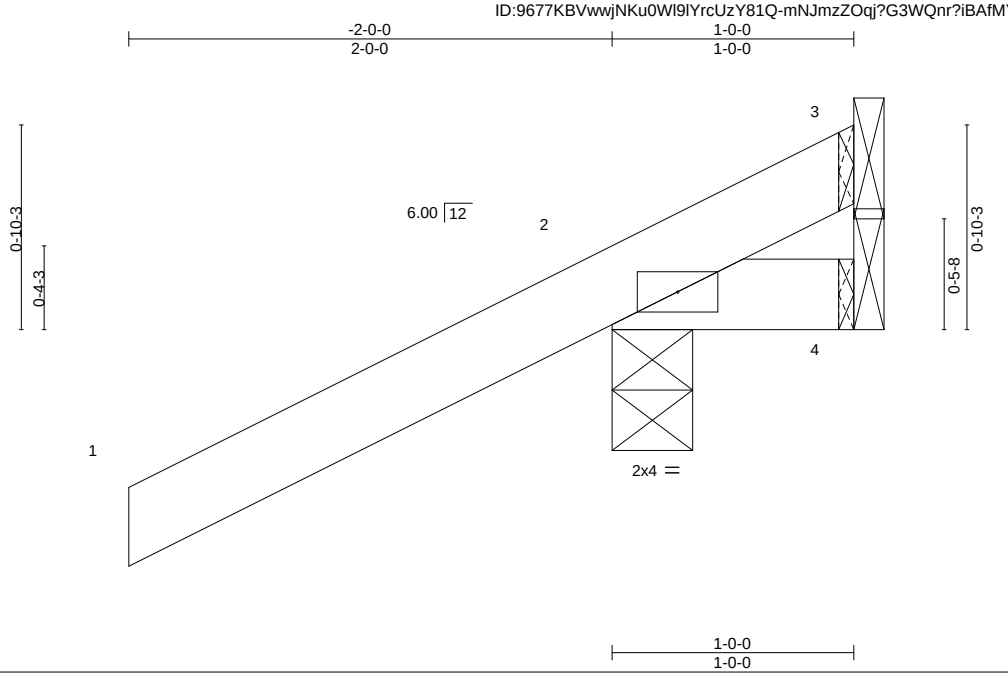
Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	C1	Corner Jack	2	1	T36809153
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:58 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-mNJmzZOqj?G3WQnr?iBAfMYzlF0GWpwKE0NJx?zWpFh



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%

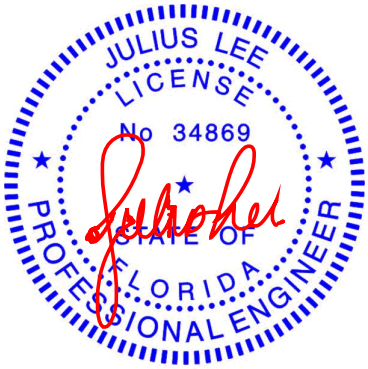
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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, 2=134.



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Date:

March 28,2025

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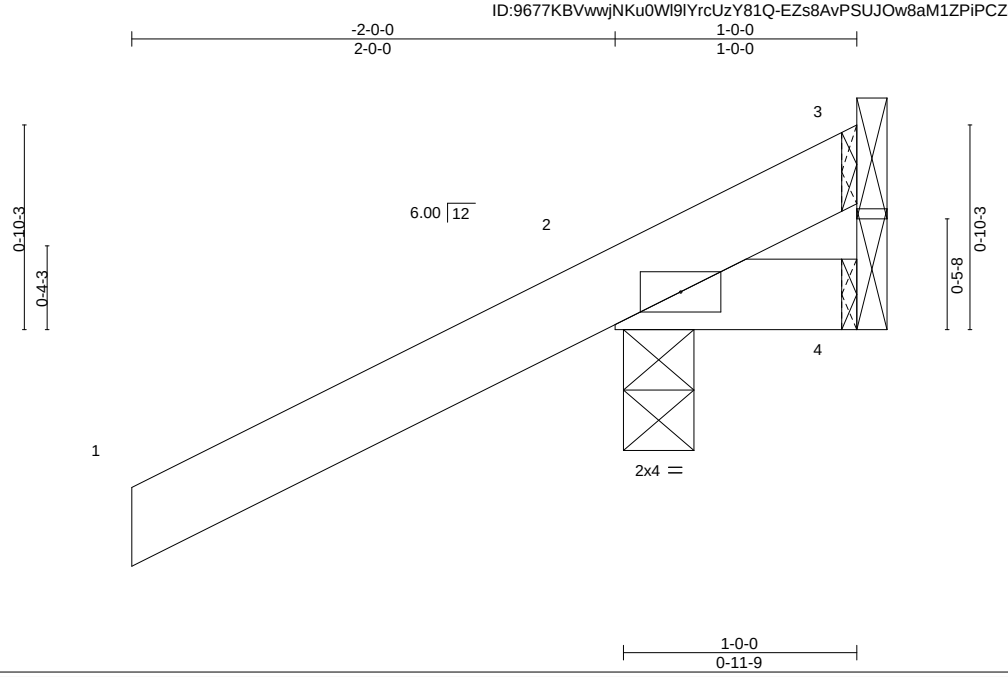
Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	C1A	Corner Jack	2	1	T36809154
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:59 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-EZs8AvPSUJOw8aM1ZPiPCZ58VfMVFG9UTg6sTRzWpFg



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	0.01	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%

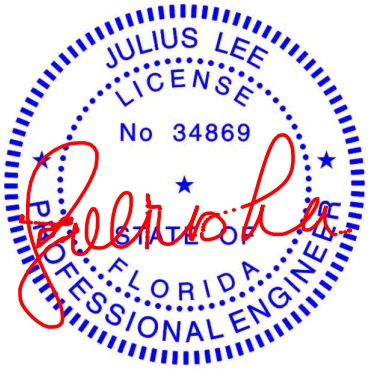
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=0-3-8, 4=Mechanical
Max Horz 2=48(LC 12)
Max Uplift 3=-100(LC 1), 2=-133(LC 12)
Max Grav 3=67(LC 12), 2=289(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=100, 2=133.



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Date:

March 28,2025

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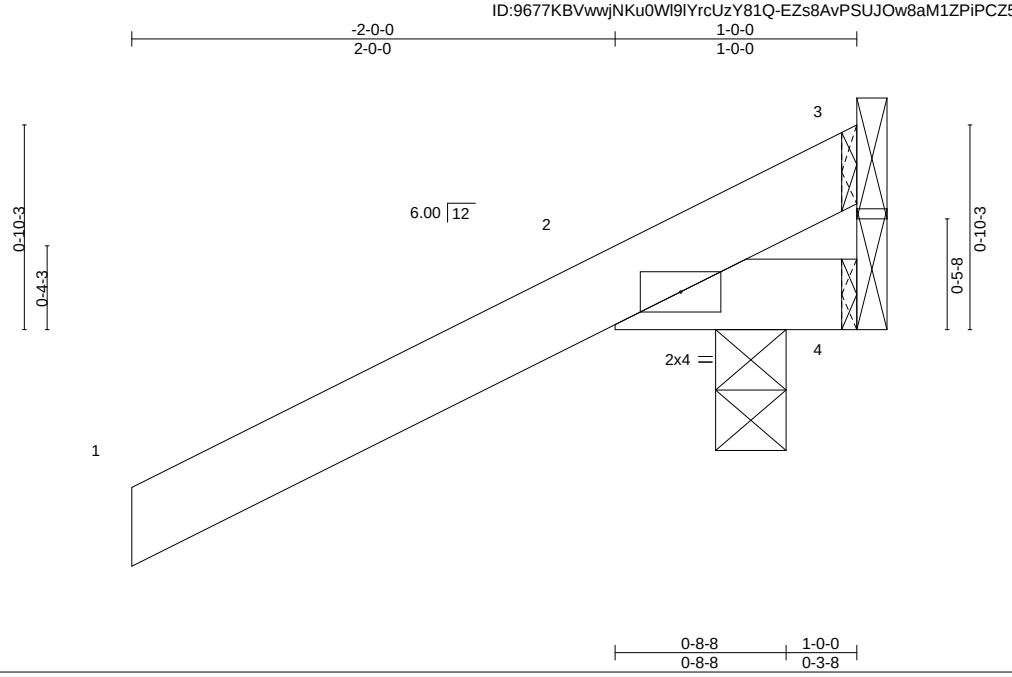
Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	C1B	Corner Jack	2	1	T36809155
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:59 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-EZs8AvPSUJOw8aM1ZPiPCZ58VfMVFG9UTg6sTRzWpFg



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	0.01	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%

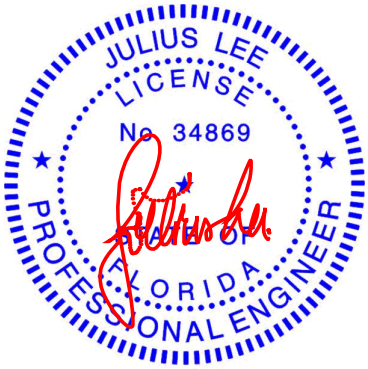
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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, 4=Mechanical, 2=0-3-8
Max Horz 2=48(LC 12)
Max Uplift 3=-100(LC 1), 2=-133(LC 12)
Max Grav 3=67(LC 12), 4=19(LC 3), 2=289(LC 1)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=100, 2=133.



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Date:

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Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	C1V	Corner Jack	4	1	T36809156
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:54:59 2025 Page 1
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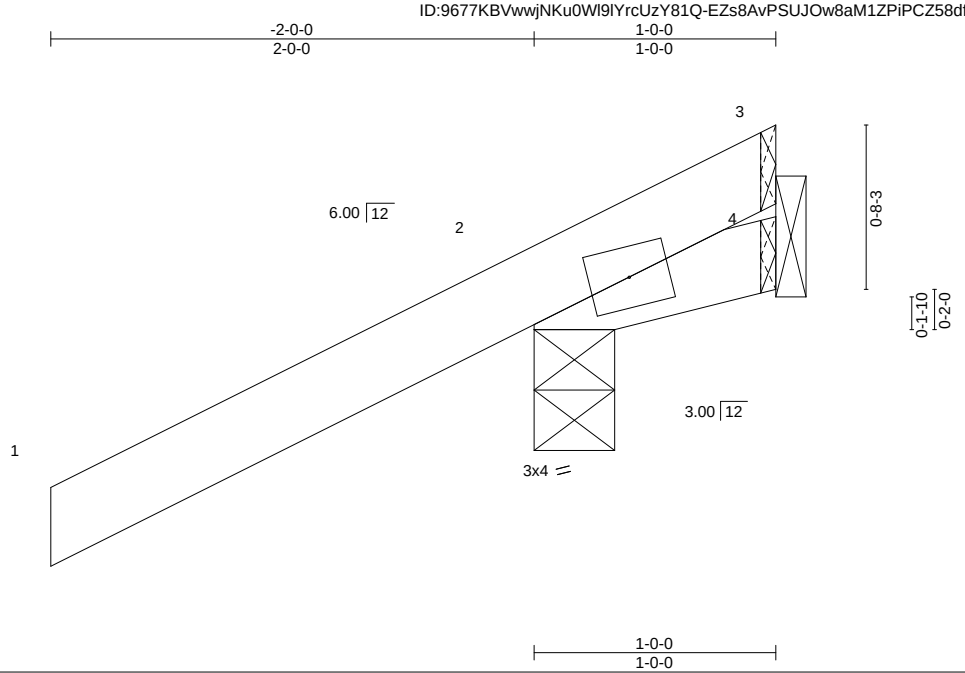


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	0.00	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014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

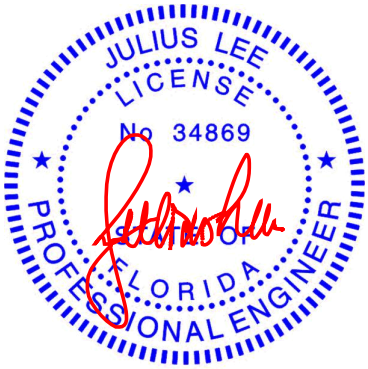
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=218.



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Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	C3T	Corner Jack	2	1	T36809157
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:00 2025 Page 1
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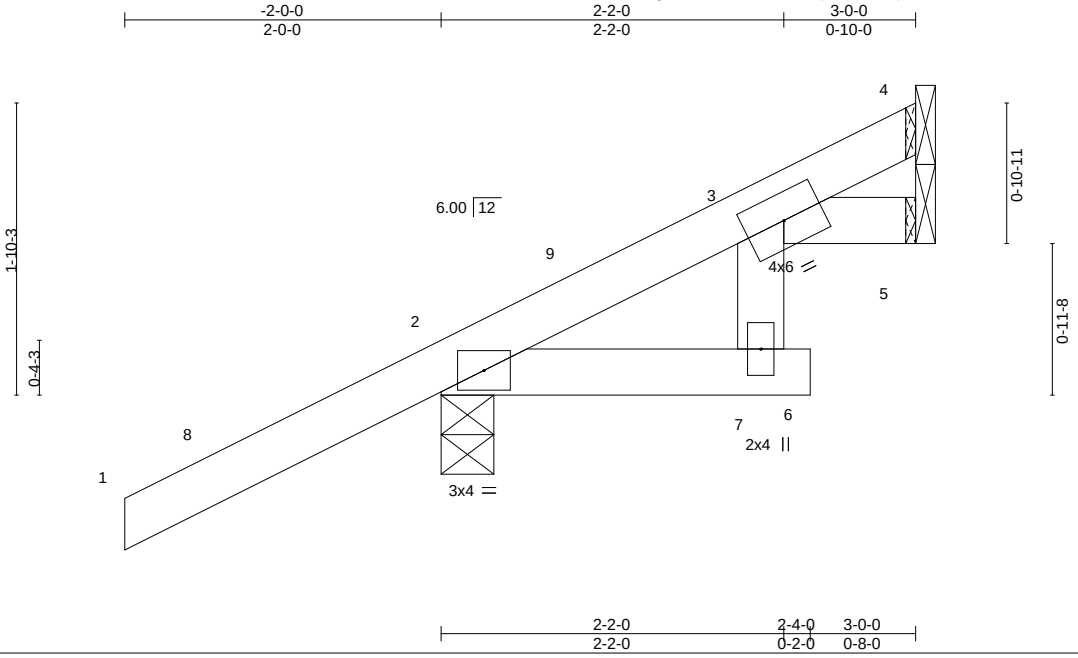


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.00	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.01	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-R		Wind(LL)	-0.00	7	>999	240	Weight: 14 lb	FT = 20%

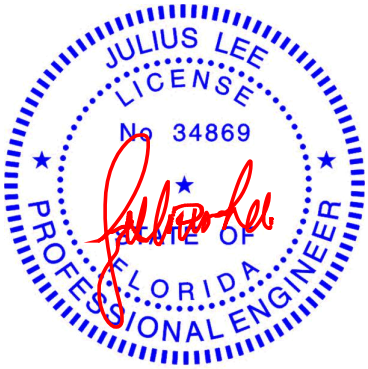
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=71(LC 12)
Max Uplift 4=-2(LC 9), 2=-85(LC 12)
Max Grav 4=39(LC 17), 2=293(LC 1), 5=43(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) 4, 2.



Julius Lee PE No. 34869
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Date:

March 28,2025

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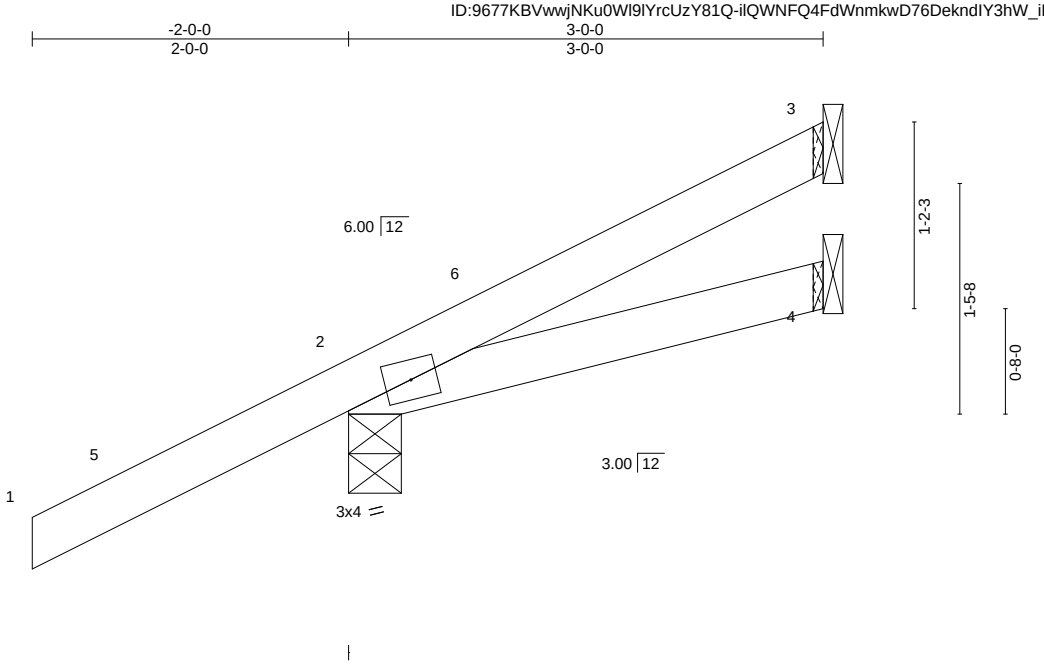
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray T36809158
6250759	C3V	Corner Jack	4	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:00 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-ilQWNFQ4FdWnmkwD76DekndIY3hW_iPdhKsP?uzWpFf



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%

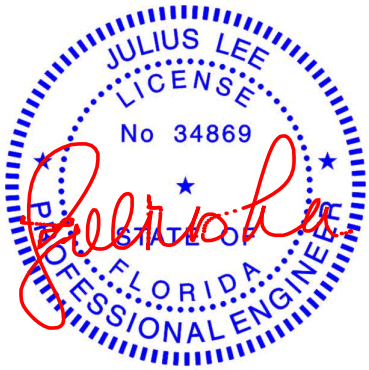
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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, 2.



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Date:

March 28,2025

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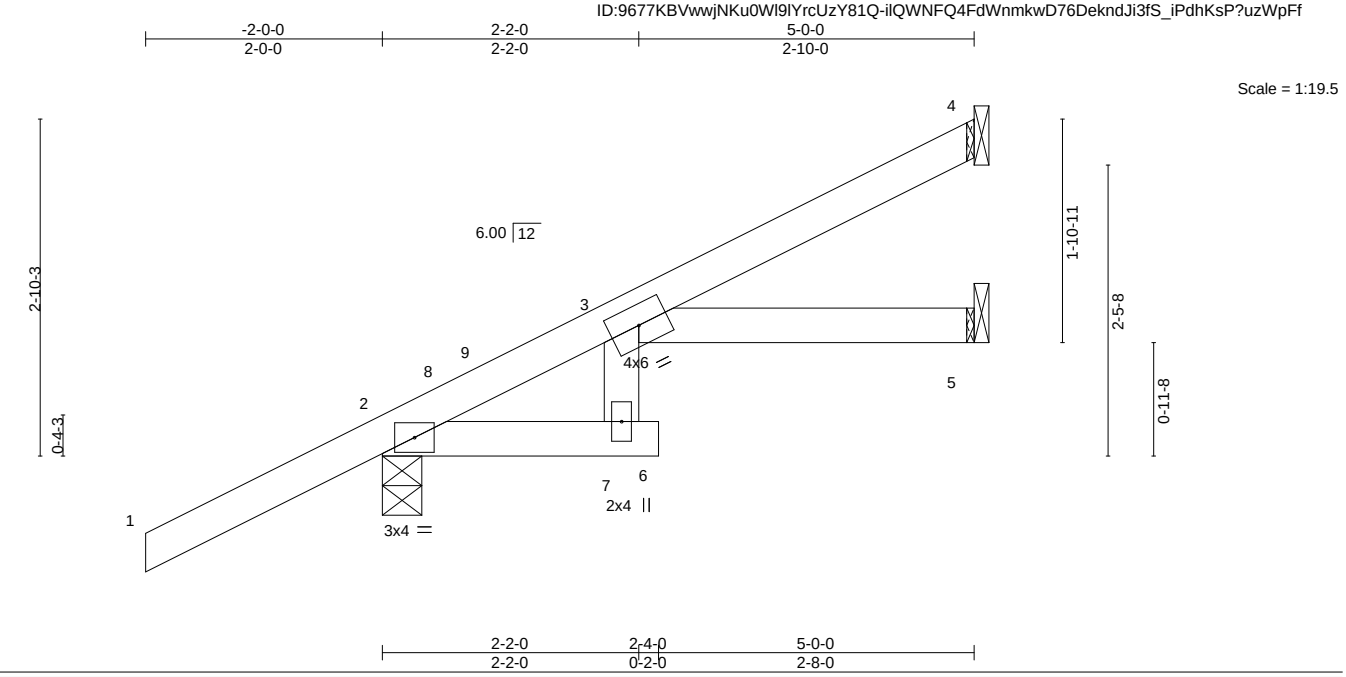
Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	C5T	Corner Jack	2	1	T36809159
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:00 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-ilQWNFQ4FdWnmkwD76DekndJi3fS_iPdhKsP?uzWpFf



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)	-0.02	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.06	6	>945	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-R		Wind(LL)	0.04	6	>999	240	Weight: 21 lb	FT = 20%

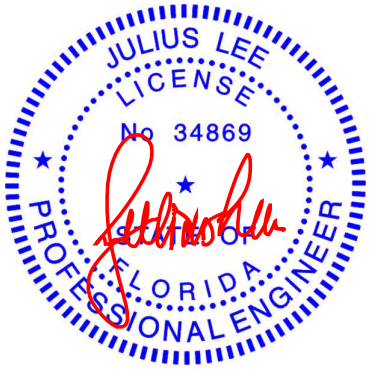
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=95(LC 12)
Max Uplift 4=-21(LC 12), 2=-69(LC 12)
Max Grav 4=102(LC 1), 2=354(LC 1), 5=82(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) 4, 2.



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March 28,2025

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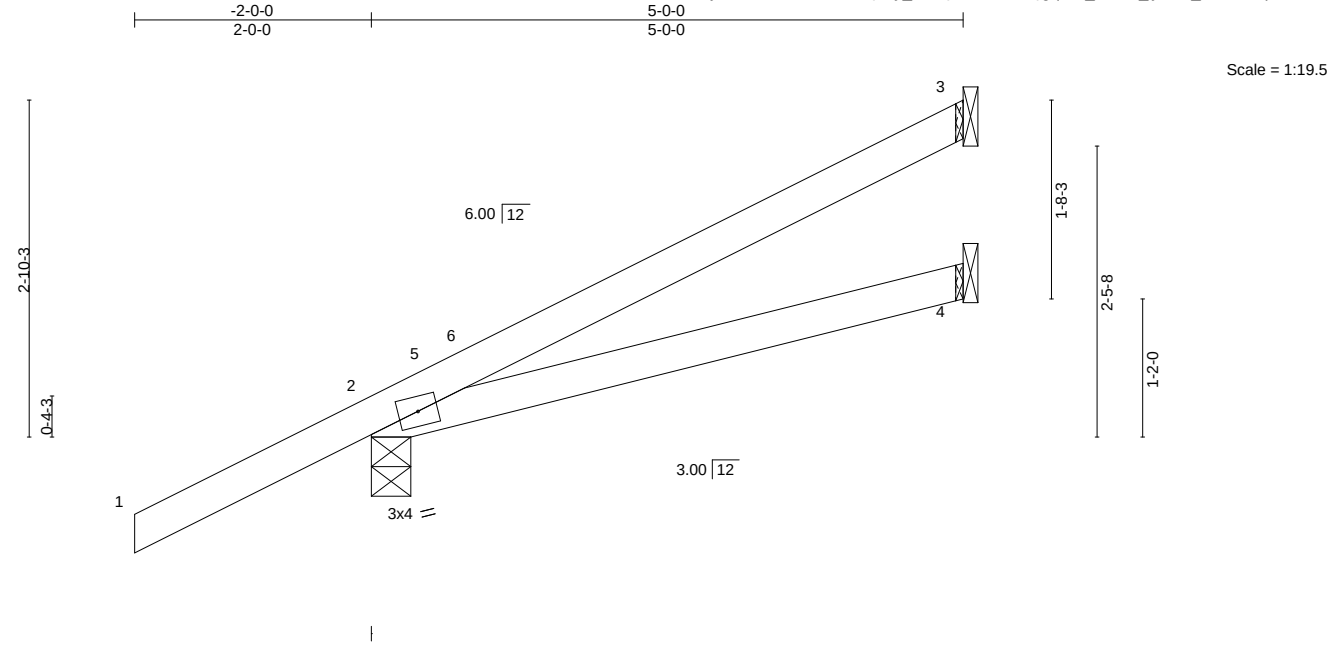
Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	C5V	Corner Jack	4	1	T36809160
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:01 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-Ay_vbbQi0weeNuVQgqktH_AUXT_ij9fnw_bzYKzWpFe



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%

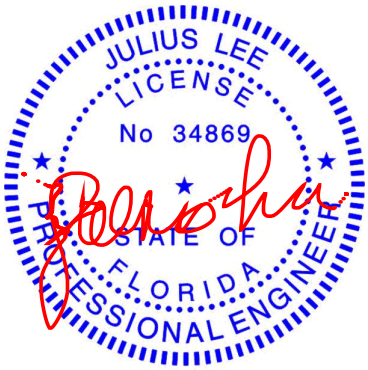
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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, 2.



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Date:

March 28,2025

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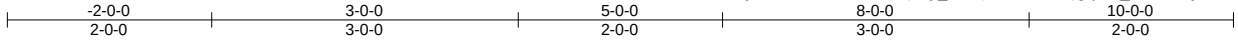
Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	E01	Hip Girder	1	1	T36809161
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:01 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-Ay_vbbQi0weeNuVQgqktH_AT2T?Rj9Nnw_bzYKzWpFe



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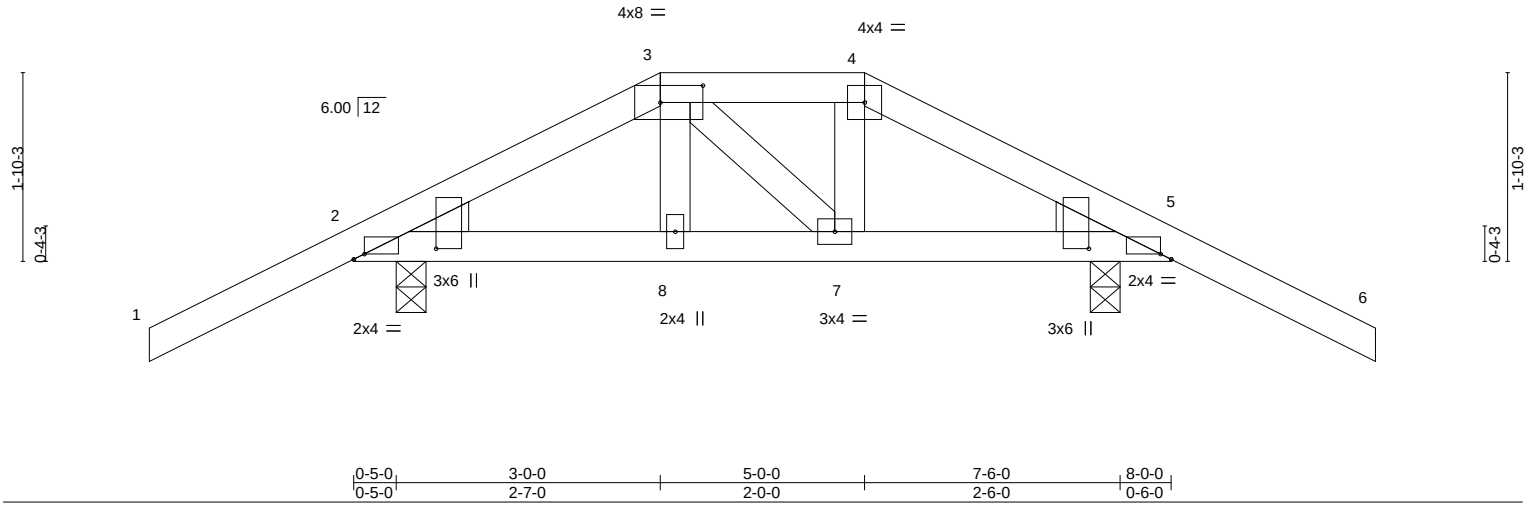


Plate Offsets (X,Y)-- [2:0-1-4,0-9-11], [2:0-1-4,Edge], [3:0-5-0,0-2-0], [5:0-1-4,Edge], [5:0-1-4,0-9-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	0.01	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.01	2-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.02	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 40 lb	FT = 20%

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

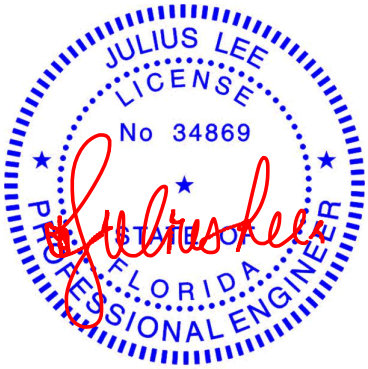
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 5=0-3-8
Max Horz 2=41(LC 7)
Max Uplift 2=-213(LC 8), 5=-213(LC 8)
Max Grav 2=427(LC 38), 5=427(LC 39)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-438/231, 3-4=-360/214, 4-5=-438/231
BOT CHORD 2-8=-193/422, 7-8=-198/431, 5-7=-192/423

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=213, 5=213.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 113 lb down and 86 lb up at 3-0-0, and 113 lb down and 86 lb up at 5-0-0 on top chord, and 112 lb down and 150 lb up at 3-0-0, and 112 lb down and 150 lb up at 4-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-6=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 3=-17(F) 4=-17(F) 8=36(F) 7=36(F)



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Date:
March 28,2025

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Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	E02	Common	3	1	T36809162
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:02 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-e8YHoxRKnEmV?14cEXF6pCjeFsGKScFw9eLW4mzWpFd

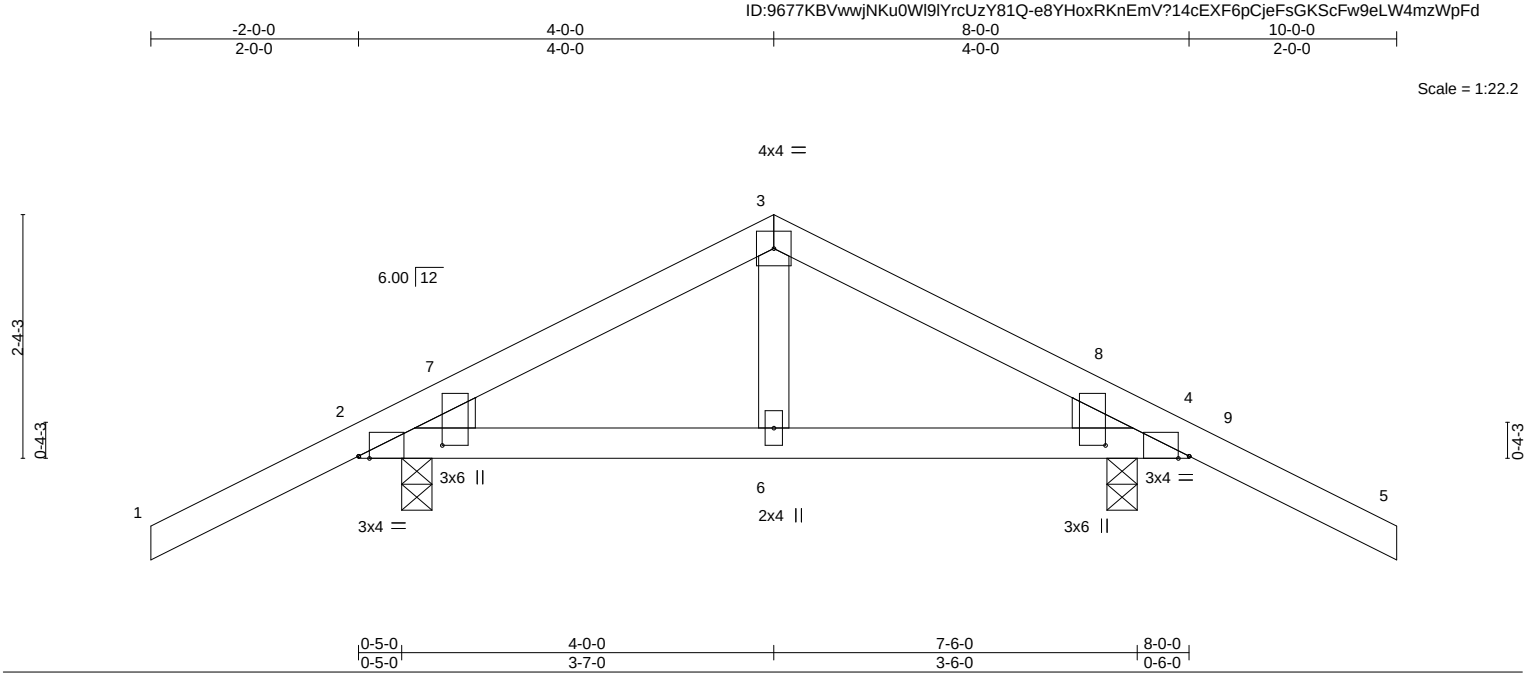


Plate Offsets (X,Y)-- [2:0-1-4,Edge], [2:0-1-4,0-9-11], [4:0-1-4,Edge], [4:0-1-4,0-9-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.01	4-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.02	4-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-P		Wind(LL)	0.01	4-6	>999	240	Weight: 37 lb	FT = 20%

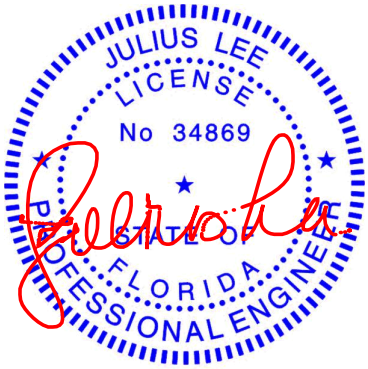
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=49(LC 11)
Max Uplift 2=-140(LC 12), 4=-140(LC 12)
Max Grav 2=437(LC 1), 4=437(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-341/185, 3-4=-341/186

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 4-0-0, Zone2 4-0-0 to 8-2-15, Zone1 8-2-15 to 10-0-0 zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=140, 4=140.



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

March 28,2025

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	E03	Common	1	1	T36809163
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:02 2025 Page 1
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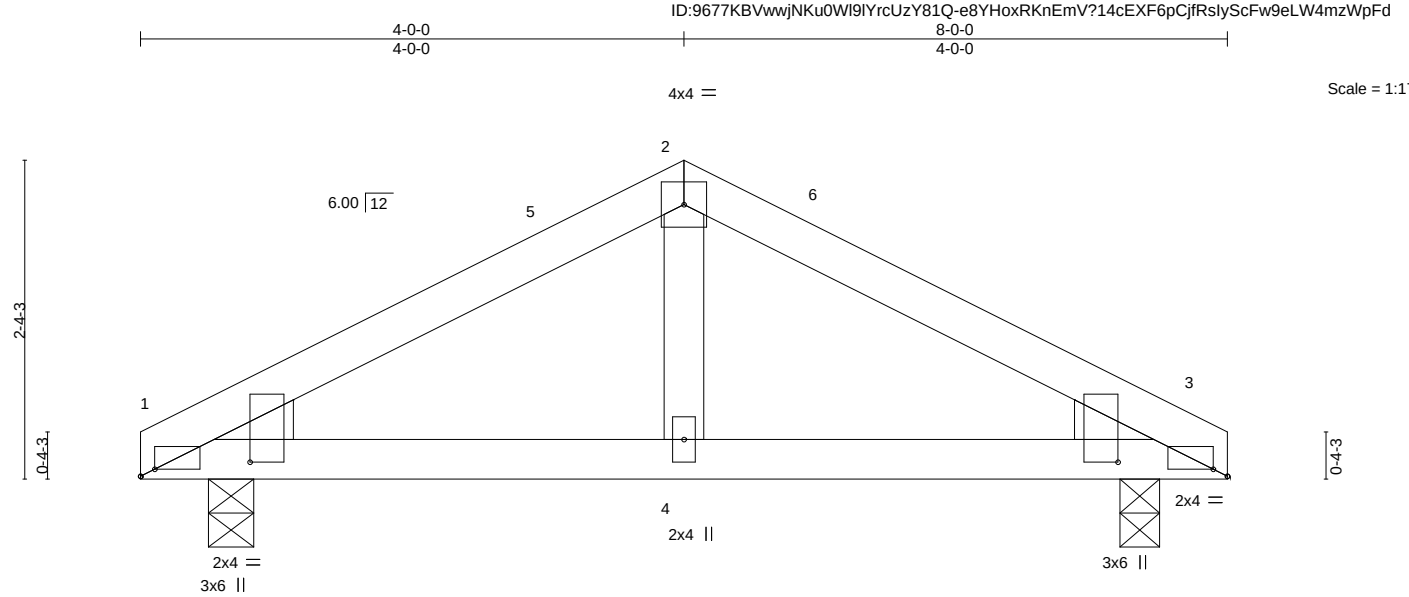


Plate Offsets (X,Y)-- [1:0-1-4,Edge], [1:0-1-4,0-9-11], [3:0-1-4,Edge], [3:0-1-4,0-9-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.01	3-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.02	3-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.01	3-4	>999	240	Weight: 30 lb	FT = 20%

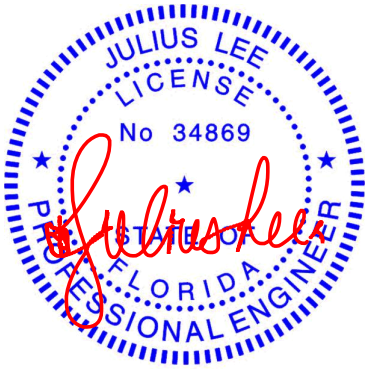
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

REACTIONS. (size) 1=0-4-0, 3=0-3-8
Max Horz 1=-34(LC 10)
Max Uplift 1=-79(LC 12), 3=-79(LC 12)
Max Grav 1=307(LC 1), 3=307(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-388/289, 2-3=-387/275
BOT CHORD 1-4=-170/304, 3-4=-170/304

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



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Date:

March 28,2025

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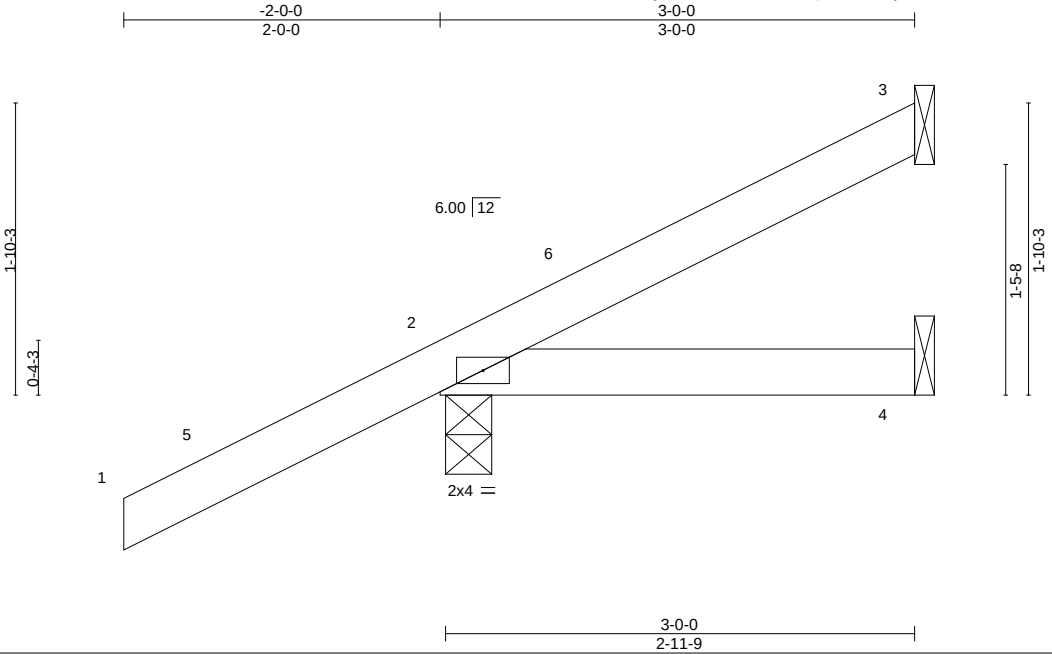
Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	E3	Jack-Open	2	1	T36809164
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:03 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-6K6f0HSyYYuMdBfooFnLMPFppGjCB393Ol43cDzWpFc



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	2-4	>999	240	Weight: 13 lb	FT = 20%

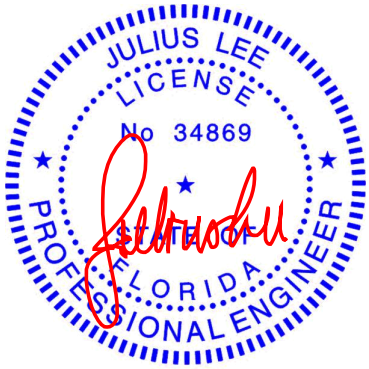
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=71(LC 12)
Max Uplift 3=-14(LC 9), 2=-109(LC 12), 4=-7(LC 8)
Max Grav 3=37(LC 17), 2=290(LC 1), 4=56(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 ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=109.



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Date:

March 28,2025

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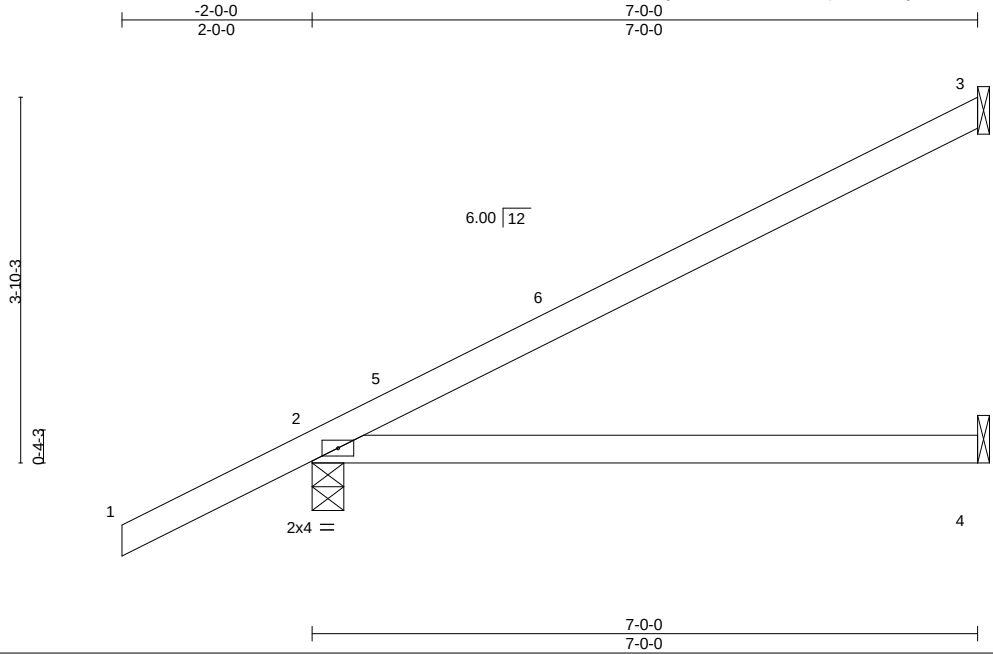
Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	E7	Jack-Open	1	1	T36809165
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:03 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-6K6f0HSyYYuMdBfooFnLMPFjtGbCB393OI43cDzWpFc



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%

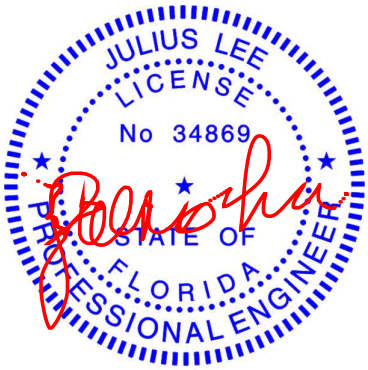
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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, 2.



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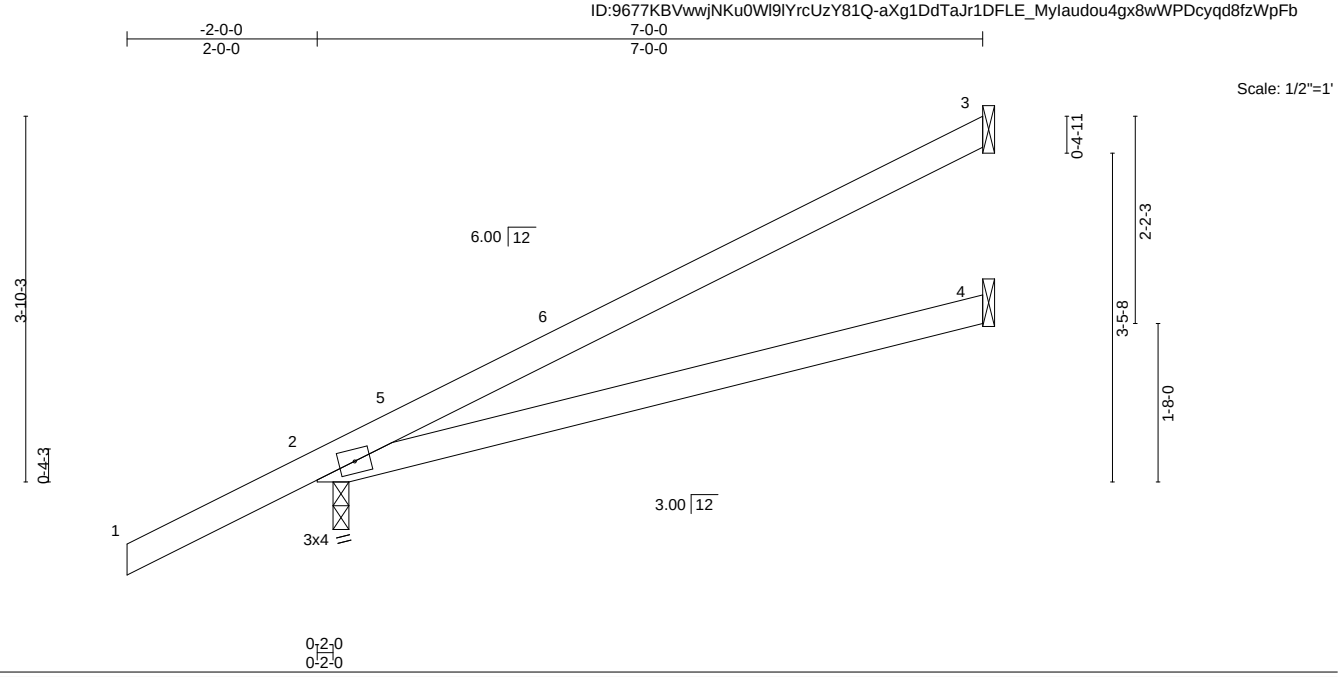
Date:

March 28,2025

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	E7A	Jack-Open	7	1	T36809166
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:04 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-aXg1DdTaJr1DFLE_MyIaudou4gx8wWPDcyqd8fzWpFb



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	-0.14	2-4	>603	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.27	2-4	>301	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)	0.12	2-4	>660	240	Weight: 26 lb	FT = 20%

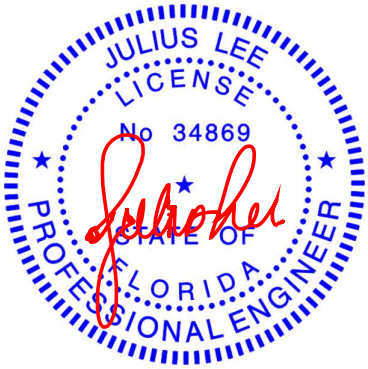
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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, 4=Mechanical, 2=0-2-0
Max Horz 2=148(LC 12)
Max Uplift 3=-64(LC 12), 4=-21(LC 8), 2=-115(LC 12)
Max Grav 3=187(LC 1), 4=137(LC 3), 2=418(LC 1)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -2-0-0 to 1-0-0, Zone1 1-0-0 to 6-11-4 zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) 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 at joint(s) 2.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=115.



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Date:

March 28,2025

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Job	Truss	Truss Type	Qty	Ply	1820-A-Tray	T36809167
6250759	E7T	Jack-Open	2	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:04 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-aXg1DdTaJr1DFLE_MyIaudoxwgycwWPDcyqd8fzWpFb

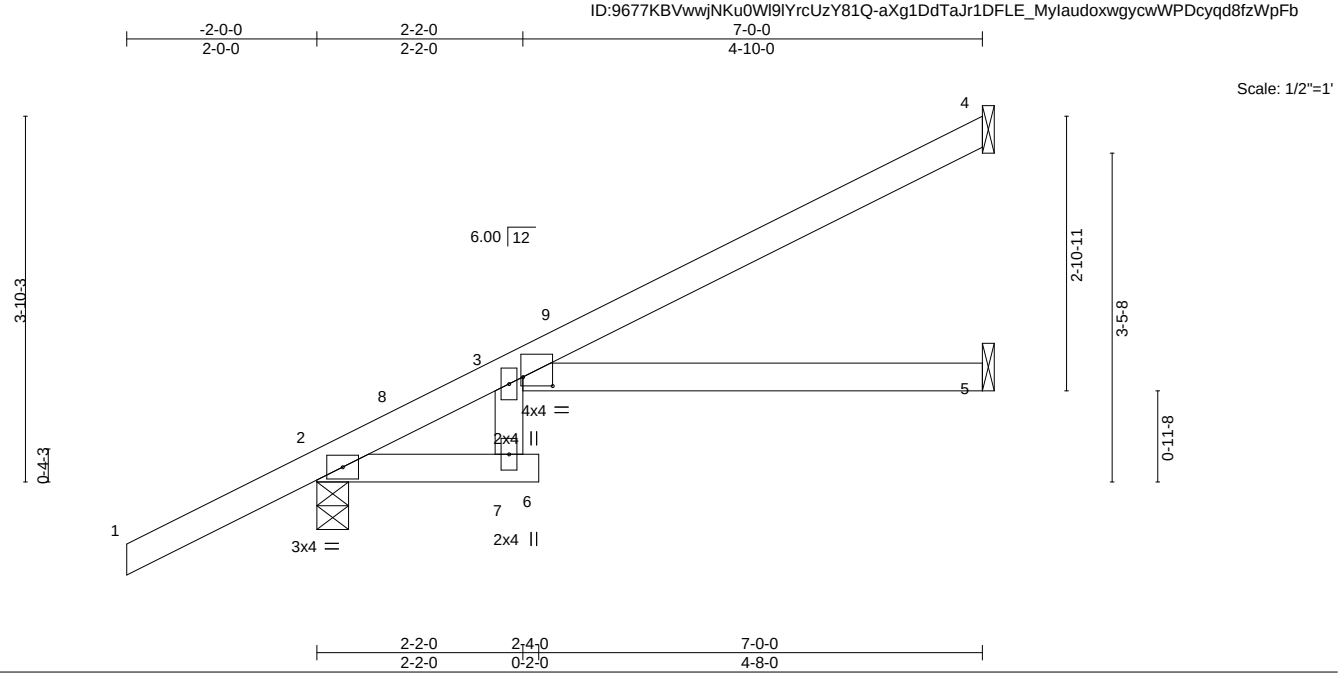


Plate Offsets (X,Y)-- [3:0-3-12,0-1-2]

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)	-0.10	3-5	>812	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.23	3-5	>354	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.11	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-R		Wind(LL)	0.12	3-5	>702	240	Weight: 27 lb	FT = 20%

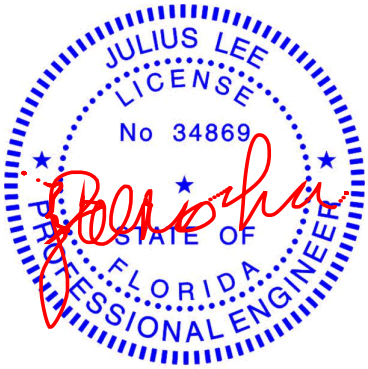
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=119(LC 12)
Max Uplift 4=-41(LC 12), 2=-61(LC 12)
Max Grav 4=160(LC 1), 2=426(LC 1), 5=121(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) 4, 2.



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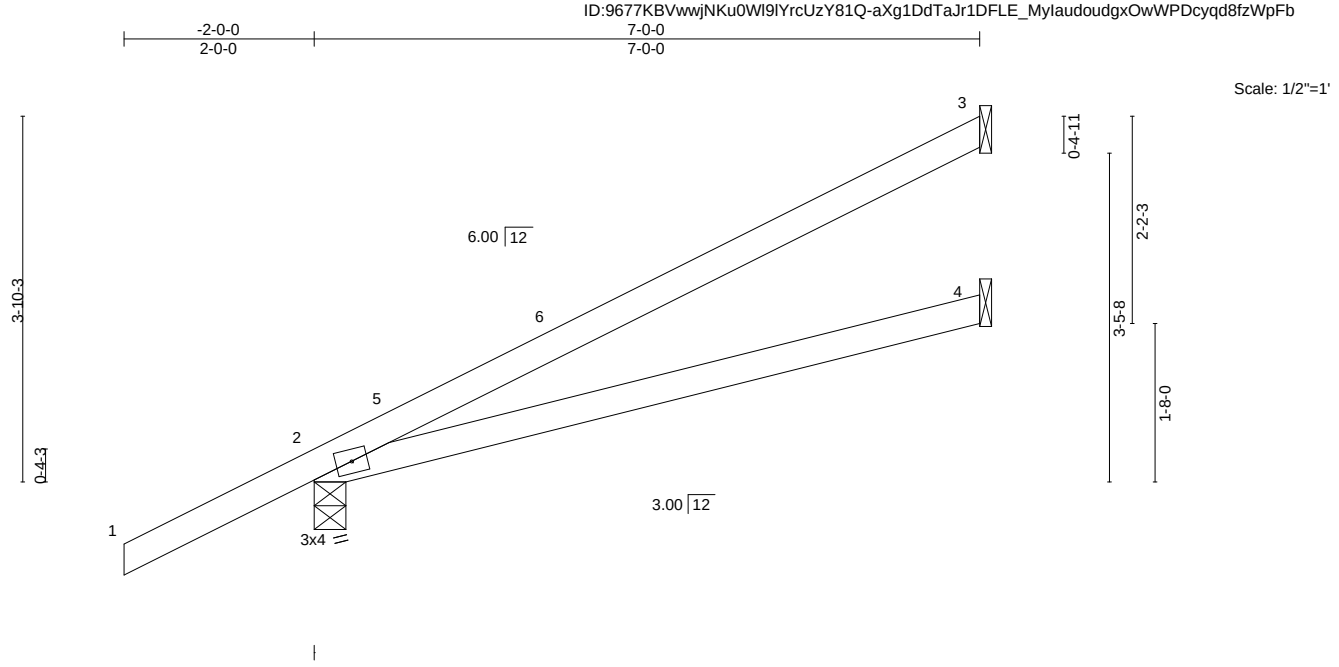
Date:

March 28,2025

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	E7V	Jack-Open	7	1	T36809168
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:04 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-aXg1DdTaJr1DFLE_MyIaudoudgxOwWPDcyqd8fzWpFb



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%

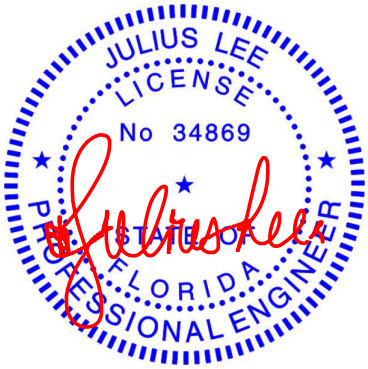
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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, 2.



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Date:

March 28,2025

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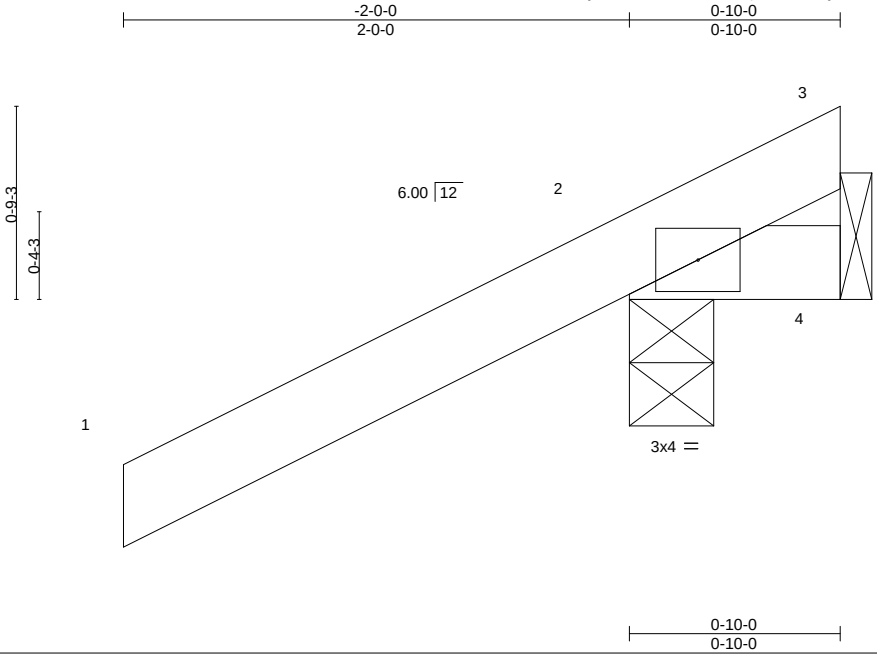
Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	E10	Jack-Closed	10	1	T36809169
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:03 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-6K6f0HSyYYuMdBfooFnLMPFqUGh3B393Ol43cDzWpFc



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	0.23	Vert(CT)	0.00	2	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-P							Weight: 6 lb	FT = 20%

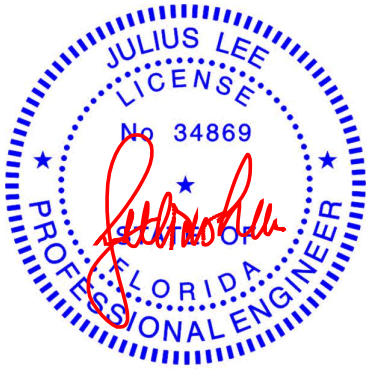
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 2=0-4-0, 4=Mechanical
Max Horz 2=76(LC 12)
Max Uplift 2=-249(LC 12), 4=-125(LC 1)
Max Grav 2=311(LC 1), 4=130(LC 12)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=249, 4=125.



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Date:

March 28,2025

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Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	H2	Diagonal Hip Girder	1	1	T36809170
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:05 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-3jEPRyUD4994sVpBvgppRqK3H4NDfy4MrcZAh5zWpFa

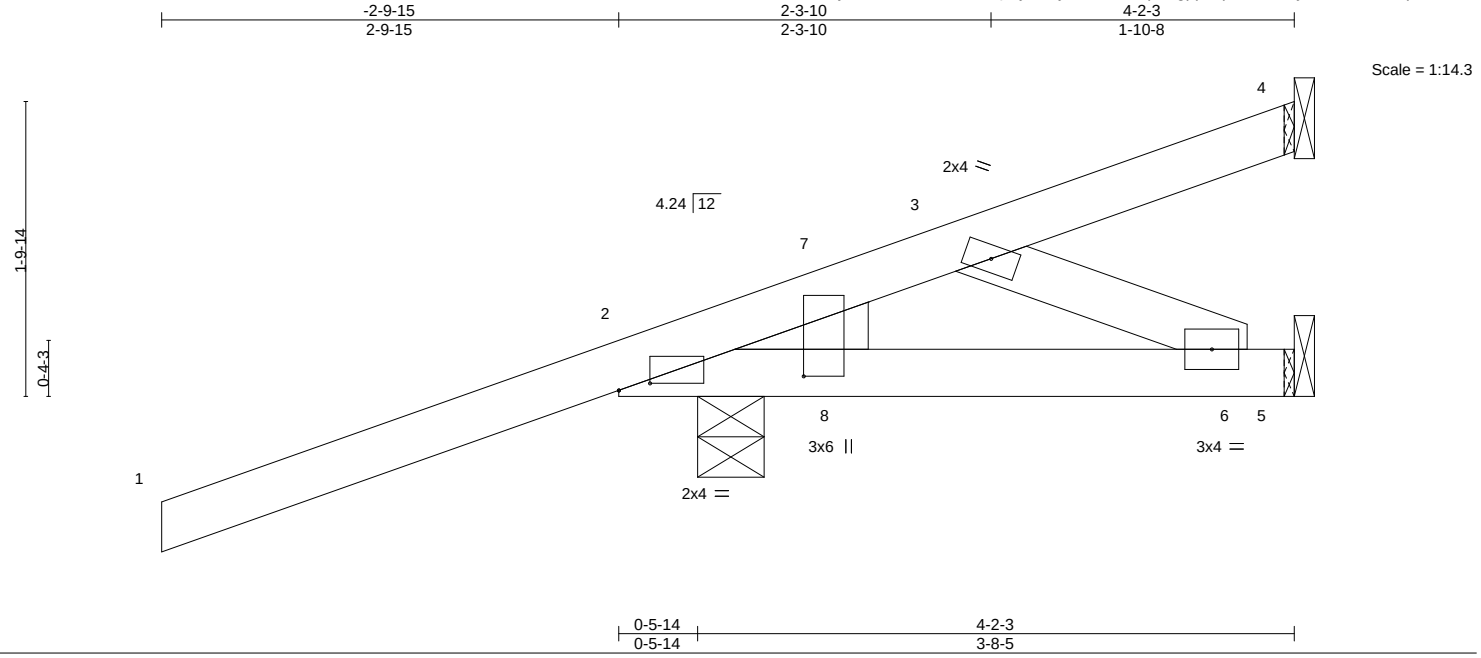

Plate Offsets (X,Y)-- [2:0-2-5,0-0-8], [2:0-1-1,1-1-12]

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	0.71	Vert(LL)	-0.01	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.02	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.10	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.01	2-6	>999	240	Weight: 21 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 4-2-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-15, 5=Mechanical
Max Horz 2=71(LC 27)
Max Uplift 4=-40(LC 27), 2=-208(LC 8), 5=-130(LC 19)
Max Grav 4=102(LC 19), 2=344(LC 31), 5=84(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-267/408
BOT CHORD 2-6=-414/231
WEBS 3-6=-252/451

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 ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=208, 5=130.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 185 lb up at 1-4-15, and 87 lb down and 185 lb up at 1-4-15 on top chord, and at 1-4-15, and at 1-4-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 7=123(F=62, B=62)

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March 28,2025

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Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	H3	Diagonal Hip Girder	1	1	T36809171
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:06 2025 Page 1
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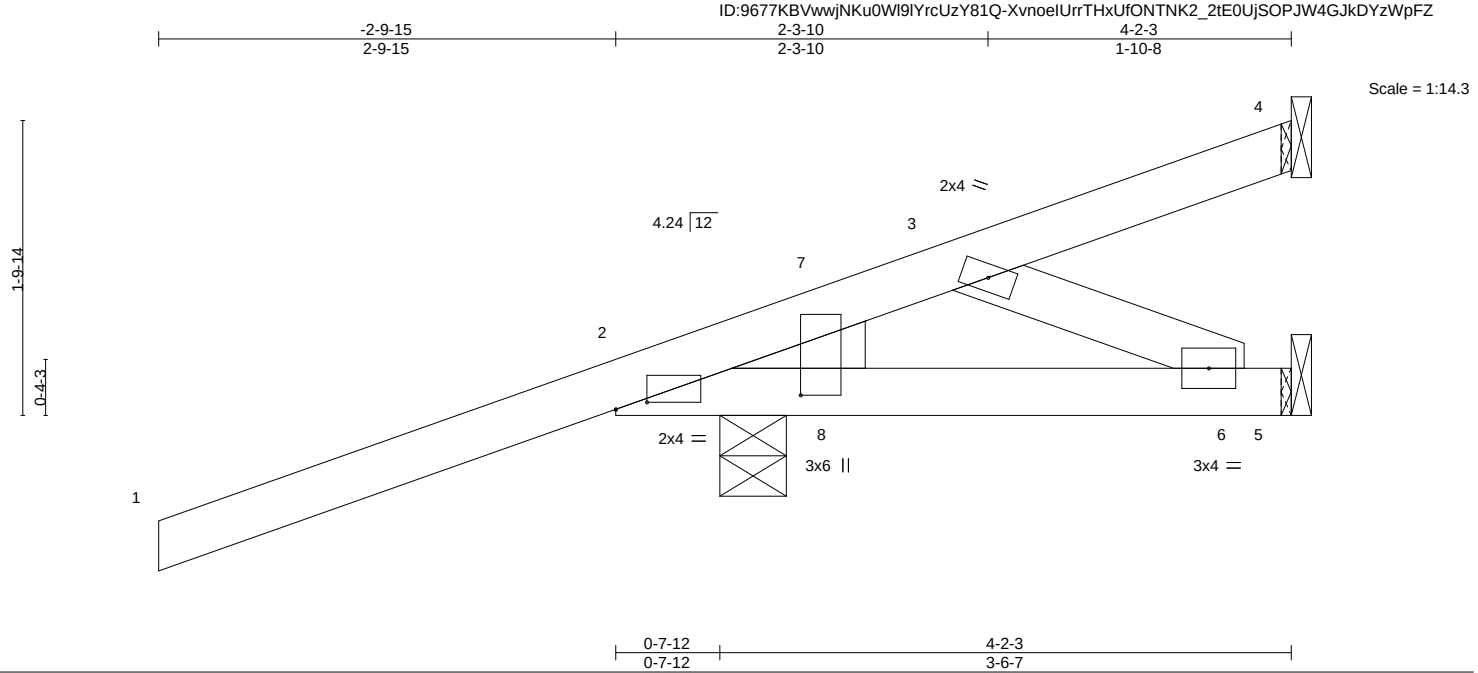


Plate Offsets (X,Y)-- [2:0-2-5,0-0-8], [2:0-1-1,1-1-12]

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	0.71	Vert(LL)	-0.01	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.02	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.10	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P		Wind(LL)	0.01	2-6	>999	240	Weight: 21 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

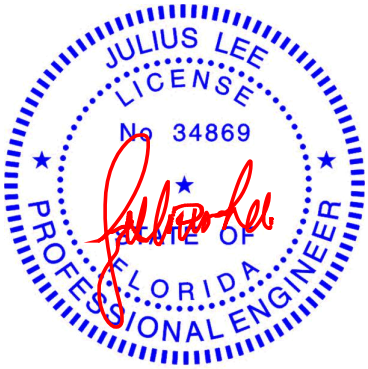
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-15, 5=Mechanical
Max Horz 2=71(LC 8)
Max Uplift 4=-40(LC 27), 2=-208(LC 8), 5=-130(LC 19)
Max Grav 4=102(LC 19), 2=344(LC 31), 5=84(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-267/408
BOT CHORD 2-6=-414/231
WEBS 3-6=-252/451

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=208, 5=130.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 185 lb up at 1-4-15, and 87 lb down and 185 lb up at 1-4-15 on top chord, and at 1-4-15, and at 1-4-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 7=123(F=62, B=62)



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Date:

March 28,2025

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Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	H7T	Diagonal Hip Girder	1	1	T36809172
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:06 2025 Page 1
ID:9677KBVwwjNKu0Wl9lYrcUzY81Q-XvnoeIUrrTHxUfONTNK2_2tGBUdnON0W4GJkDYzWpFZ

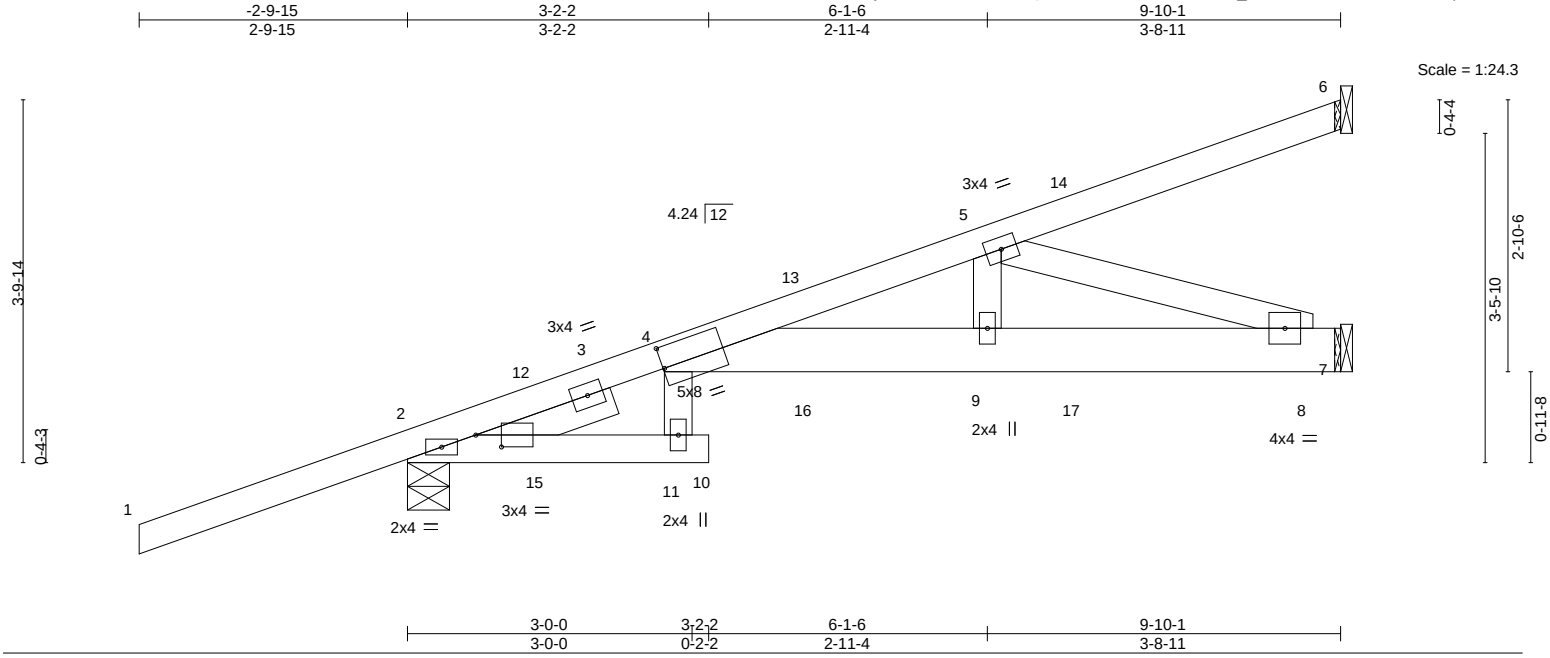


Plate Offsets (X,Y)-- [2:0-3-4,0-1-8], [4:0-0-3,0-2-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.14	10	>846	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.23	10	>499	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.09	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	-0.12	10	>953	240	Weight: 51 lb	FT = 20%

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

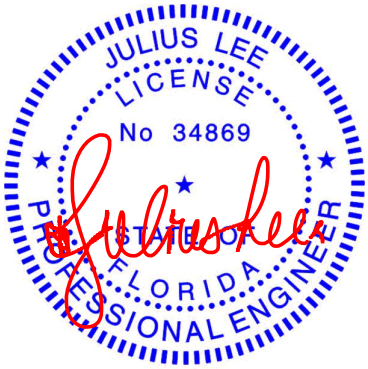
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 2-11.

REACTIONS. (size) 6=Mechanical, 2=0-5-5, 7=Mechanical
Max Horz 2=119(LC 27)
Max Uplift 6=-57(LC 8), 2=-181(LC 8), 7=-24(LC 8)
Max Grav 6=205(LC 1), 2=602(LC 31), 7=352(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-1028/77
BOT CHORD 4-9=-116/979, 8-9=-116/979
WEBS 5-9=-4/345, 5-8=-1034/123

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 7 except (jt=lb) 2=181.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 88 lb down and 186 lb up at 1-4-15, 88 lb down and 186 lb up at 1-4-15, 52 lb down and 17 lb up at 4-2-15, and 81 lb down and 46 lb up at 7-0-14, and 119 lb down and 57 lb up at 9-9-5 on top chord, and at 1-4-15, at 1-4-15, 17 lb down and 13 lb up at 4-2-15, 17 lb down at 4-2-15, and 73 lb down and 41 lb up at 7-0-14, and 34 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 2-11=-20, 10-11=-20, 4-7=-20



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Date:

March 28,2025

Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 6=-119(F) 12=124(F=62, B=62) 14=-17(F) 16=-22(F=-4, B=-17) 17=-107(F=-34, B=-73)

Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	H7V	Diagonal Hip Girder	2	1	T36809173
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:07 2025 Page 1
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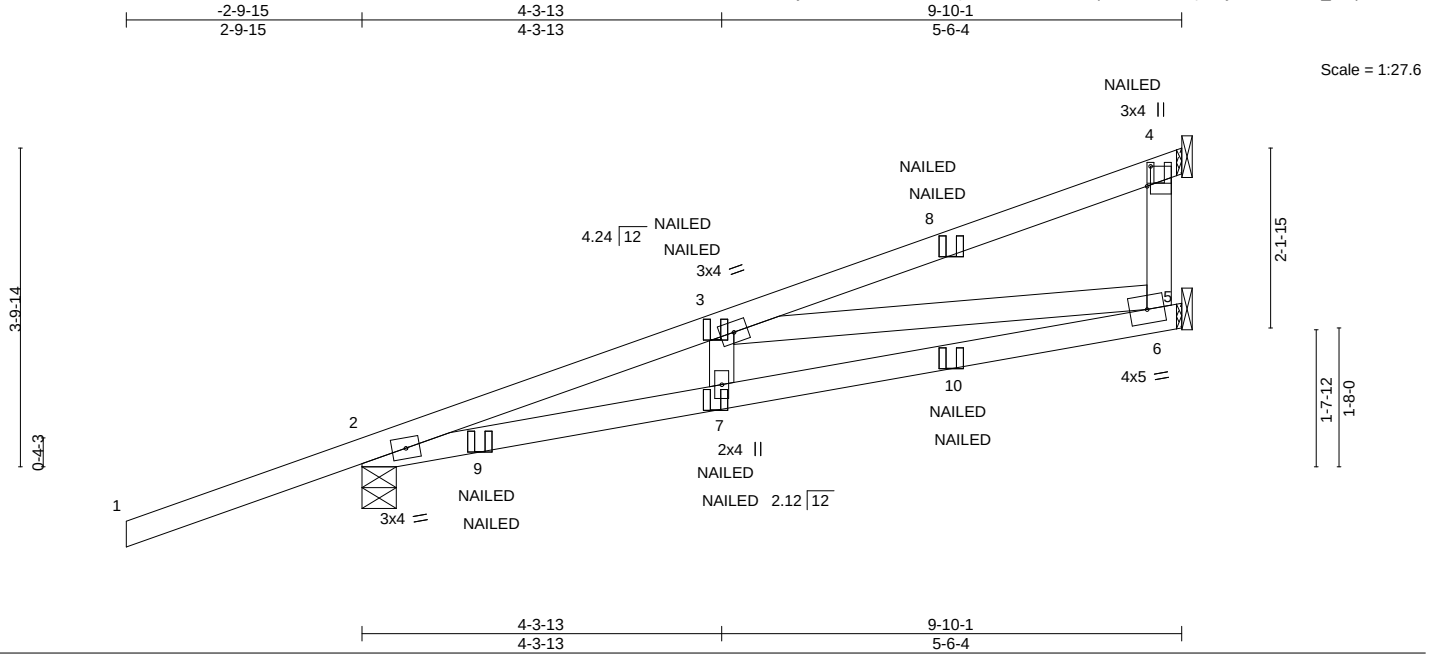


Plate Offsets (X,Y)-- [4:0-2-14,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.05	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.11	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S		Wind(LL)	-0.06	2-7	>999	240	Weight: 46 lb	FT = 20%

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

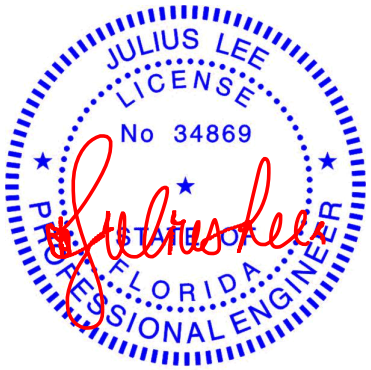
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 6=Mechanical, 2=0-4-15
Max Horz 2=116(LC 8)
Max Uplift 4=-114(LC 8), 2=-186(LC 8)
Max Grav 4=301(LC 1), 6=302(LC 3), 2=619(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1195/70
BOT CHORD 2-7=-116/1087, 6-7=-119/1096
WEBS 3-6=-967/111

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) except (jt=lb) 4=114.
8) One RT7 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 2. This connection is for uplift only and does not consider lateral forces.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
11) 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: 4=-148(F) 8=-58(F=-29, B=-29) 9=100(F=50, B=50) 10=-39(F=-19, B=-19)



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: March 28,2025

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Job	Truss	Truss Type	Qty	Ply	1820-A-Tray
6250759	H10	Jack-Closed	2	1	T36809174
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Thu Mar 27 06:55:05 2025 Page 1
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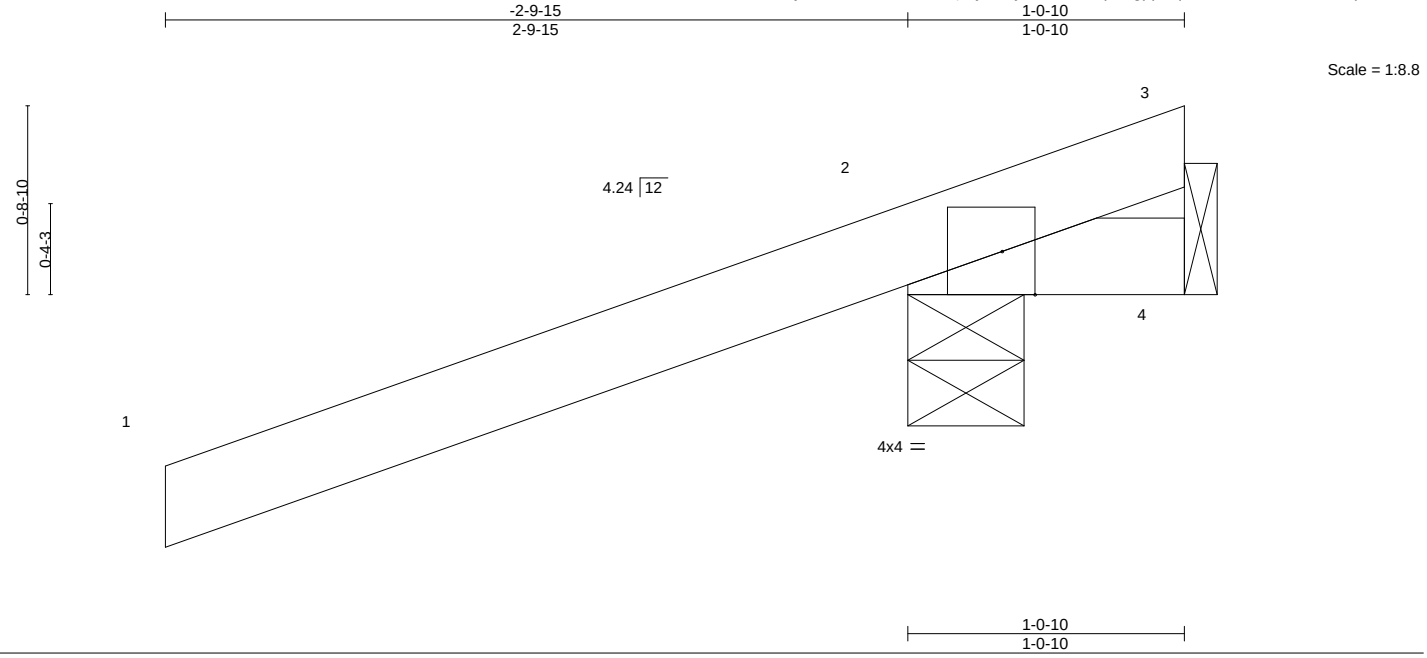


Plate Offsets (X,Y)-- [2:0-1-8,Edge]

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	0.66	Vert(LL)	0.00	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	0.00	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 8 lb	FT = 20%

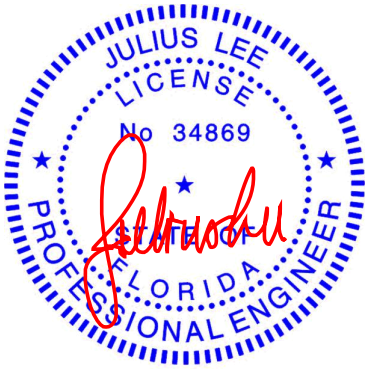
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 2=0-5-5, 4=Mechanical
Max Horz 2=74(LC 12)
Max Uplift 2=-354(LC 12), 4=-208(LC 1)
Max Grav 2=461(LC 1), 4=190(LC 12)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=354, 4=208.

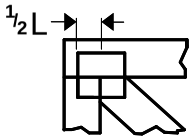


Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

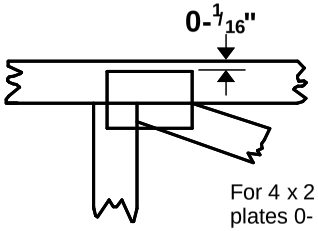
March 28,2025

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

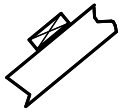
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

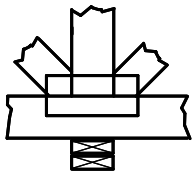
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

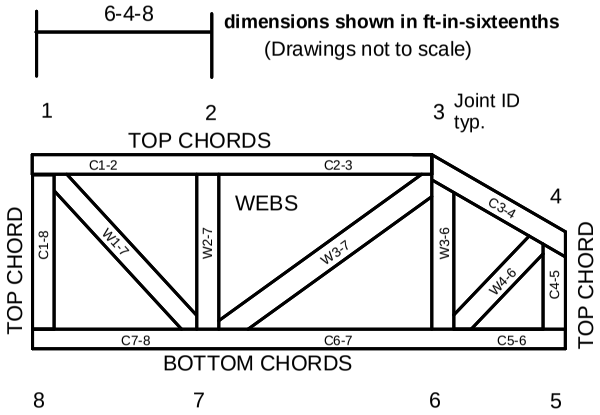


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

Product Code Approvals

ICC-ES Reports:

ESR-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

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

MiTek®

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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