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

RE: Gregory_Oneal - Gregory Oneal

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

Site Information:

Customer Info: Gregory Oneal Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
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):

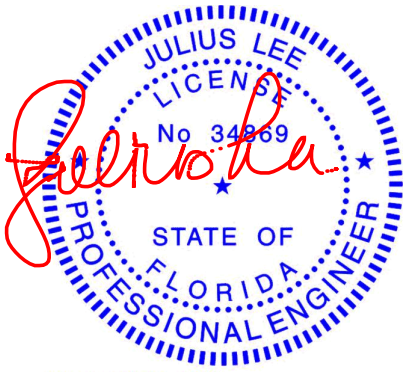
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.5
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 52 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	T31941742	A01GIR	10/25/23	23	T31941764	A23	10/25/23
2	T31941743	A02	10/25/23	24	T31941765	A24	10/25/23
3	T31941744	A03	10/25/23	25	T31941766	A25	10/25/23
4	T31941745	A04	10/25/23	26	T31941767	A26	10/25/23
5	T31941746	A05	10/25/23	27	T31941768	A27	10/25/23
6	T31941747	A06	10/25/23	28	T31941769	A28	10/25/23
7	T31941748	A07	10/25/23	29	T31941770	A29	10/25/23
8	T31941749	A08	10/25/23	30	T31941771	A30	10/25/23
9	T31941750	A09	10/25/23	31	T31941772	A31	10/25/23
10	T31941751	A10	10/25/23	32	T31941773	B01GE	10/25/23
11	T31941752	A11	10/25/23	33	T31941774	B02	10/25/23
12	T31941753	A12	10/25/23	34	T31941775	B03GIR	10/25/23
13	T31941754	A13	10/25/23	35	T31941776	C01GIR	10/25/23
14	T31941755	A14	10/25/23	36	T31941777	C02	10/25/23
15	T31941756	A15	10/25/23	37	T31941778	C03	10/25/23
16	T31941757	A16	10/25/23	38	T31941779	C04	10/25/23
17	T31941758	A17	10/25/23	39	T31941780	C05	10/25/23
18	T31941759	A18	10/25/23	40	T31941781	CJ01	10/25/23
19	T31941760	A19	10/25/23	41	T31941782	D01GE	10/25/23
20	T31941761	A20	10/25/23	42	T31941783	D02	10/25/23
21	T31941762	A21	10/25/23	43	T31941784	D03GIR	10/25/23
22	T31941763	A22	10/25/23	44	T31941785	E01GE	10/25/23

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Lee, Julius
My license renewal date for the state of Florida is February 28, 2025.



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

October 25,2023

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

RE: Gregory_Oneal - Gregory Oneal

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

Site Information:

Customer Info: Gregory Oneal Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Lake City State: FL

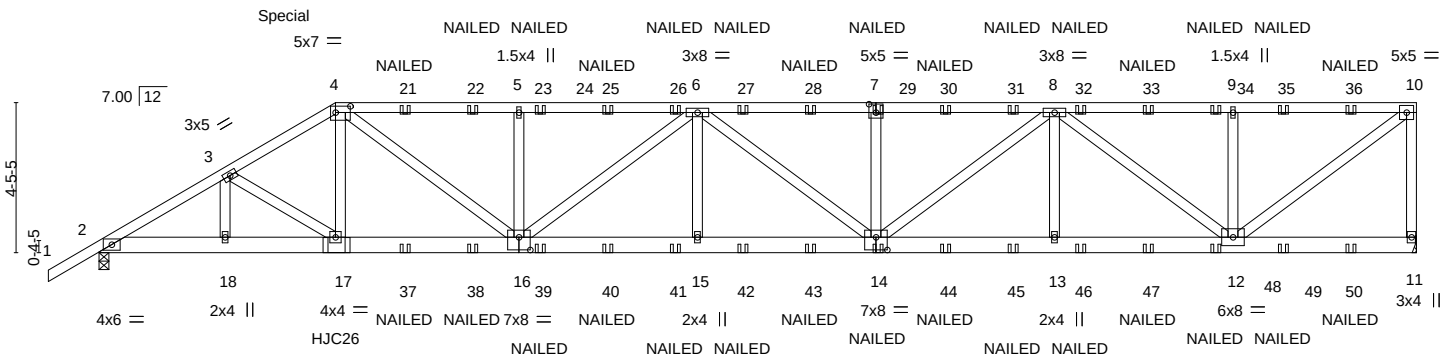
No.	Seal#	Truss Name	Date
45	T31941786	E02	10/25/23
46	T31941787	E03GIR	10/25/23
47	T31941788	J01	10/25/23
48	T31941789	J02	10/25/23
49	T31941790	J03	10/25/23
50	T31941791	J04	10/25/23
51	T31941792	PB01	10/25/23
52	T31941793	PB02	10/25/23

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A01GIR	Half Hip Girder	1	2	T31941742
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:27:56 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-ex34RXtUDgjWXmzvQjyW1RNbOQRM3wQwL?sAJuyPvsH

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

Scale = 1:68.2



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

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.84	Vert(LL)	-0.27	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.54	14-15	>859	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 511 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

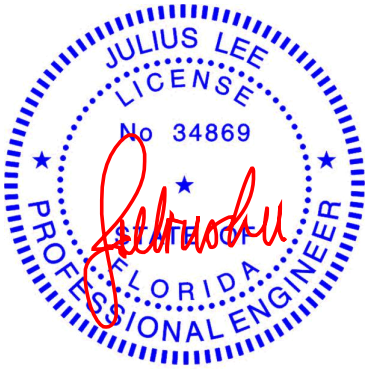
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 11=Mechanical, 2=0-3-8
Max Horz 2=135(LC 18)
Max Uplift 11=-463(LC 8), 2=-463(LC 8)
Max Grav 11=3323(LC 1), 2=3233(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5917/834, 3-4=-5780/869, 4-5=-7213/1108, 5-6=-7213/1108, 6-7=-7876/1168, 7-8=-7876/1168, 8-9=-3891/592, 9-10=-3891/592, 10-11=-3202/507
BOT CHORD 2-18=-709/5078, 17-18=-709/5078, 16-17=-711/4986, 15-16=-1134/8194, 14-15=-1134/8194, 13-14=-894/6530, 12-13=-894/6530
WEBS 4-17=0/766, 4-16=-427/2782, 5-16=-674/279, 6-16=-1240/133, 6-15=0/501, 6-14=-403/58, 7-14=-535/219, 8-14=-247/1697, 8-13=0/466, 8-12=-3331/480, 9-12=-674/282, 10-12=-685/4852

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 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) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; 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 ; end vertical left and right exposed; 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=463, 2=463.
10) Use MiTek HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 7-0-6 from the left end to connect truss(es) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.
12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

Continued on page 2



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

October 25,2023

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

NOTES-

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 275 lb down and 216 lb up at 7-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

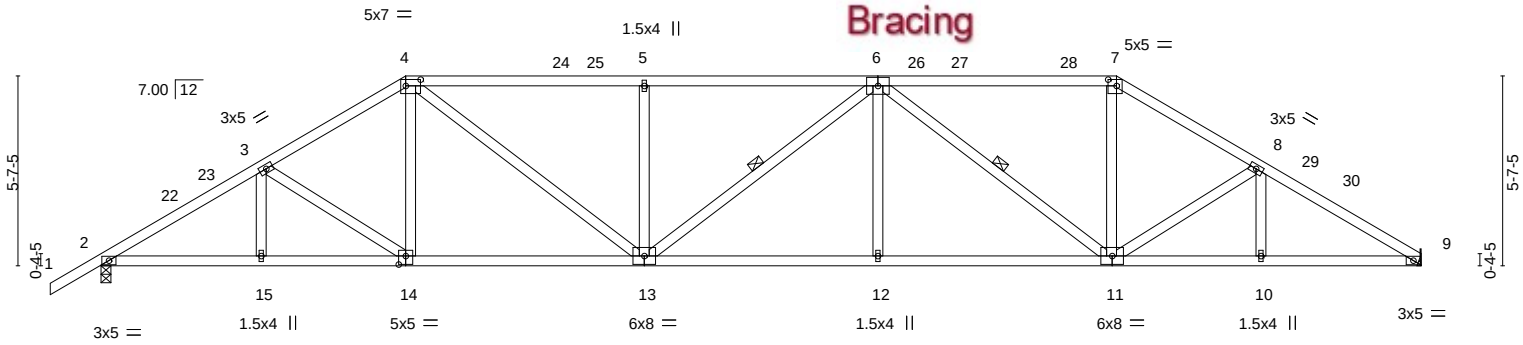
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-10=-60, 2-11=-20
   Concentrated Loads (lb)
   Vert: 4=-186(B) 17=-355(B) 14=-62(B) 7=-126(B) 21=-126(B) 22=-126(B) 23=-126(B) 25=-126(B) 26=-126(B) 27=-126(B) 28=-126(B) 30=-126(B) 31=-126(B) 32=-126(B) 33=-126(B) 34=-126(B) 35=-126(B) 36=-126(B) 37=-62(B) 38=-62(B) 39=-62(B) 40=-62(B) 41=-62(B) 42=-62(B) 43=-62(B) 44=-62(B) 45=-62(B) 46=-62(B) 47=-62(B) 48=-62(B) 49=-62(B) 50=-62(B)

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A02	Hip	1	1	T31941743
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:27:58 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-bKBqsDullH_Em36IX8__6sSvMD32XtDDpJLHOmyPvsF

-1-6-0 | 4-8-13 | 9-0-0 | 16-0-9 | 22-11-7 | 30-0-0 | 34-3-3 | 39-0-0
1-6-0 | 4-8-13 | 4-3-3 | 7-0-9 | 6-10-13 | 7-0-9 | 4-3-3 | 4-8-13

Scale = 1:68.1



4-8-13 | 9-0-0 | 16-0-9 | 22-11-7 | 30-0-0 | 34-3-3 | 39-0-0
4-8-13 | 4-3-3 | 7-0-9 | 6-10-13 | 7-0-9 | 4-3-3 | 4-8-13

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

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	1.00	Vert(LL)	-0.23	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.55	13-14	>845	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.15	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 212 lb	FT = 20%

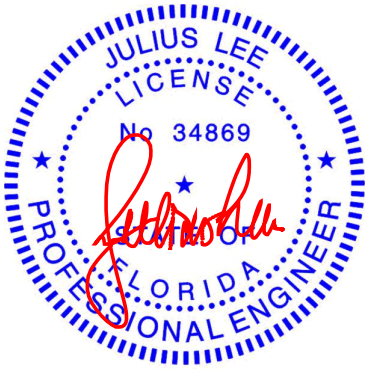
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-13, 6-11

REACTIONS. (size) 9=Mechanical, 2=0-3-8
Max Horz 2=108(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 9=1558(LC 1), 2=1652(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2747/4, 3-4=-2430/51, 4-5=-2823/70, 5-6=-2823/70, 6-7=-2078/67, 7-8=-2437/57, 8-9=-2767/17
BOT CHORD 2-15=0/2316, 14-15=0/2316, 13-14=0/2045, 12-13=0/2786, 11-12=0/2786, 10-11=0/2335, 9-10=0/2335
WEBS 3-14=-336/51, 4-14=0/359, 4-13=-10/1047, 5-13=-495/98, 6-12=0/342, 6-11=-965/0, 7-11=0/814, 8-11=-342/51

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 9-0-0, Exterior(2R) 9-0-0 to 14-6-3, Interior(1) 14-6-3 to 30-0-0, Exterior(2R) 30-0-0 to 35-6-3, Interior(1) 35-6-3 to 39-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

October 25,2023

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	Gregory Oneal
GREGORY_ONEAL	A03	Hip	1	1	T31941744
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:27:59 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-3WlC4ZvNWb65ODhU5rVDf3?B6dRFGJeM2z5qwDyPvsE

-1-6-0	5-8-13	11-0-0	16-8-9	22-3-7	28-0-0	33-3-3	39-0-0
1-6-0	5-8-13	5-3-3	5-8-9	5-6-13	5-8-9	5-3-3	5-8-13

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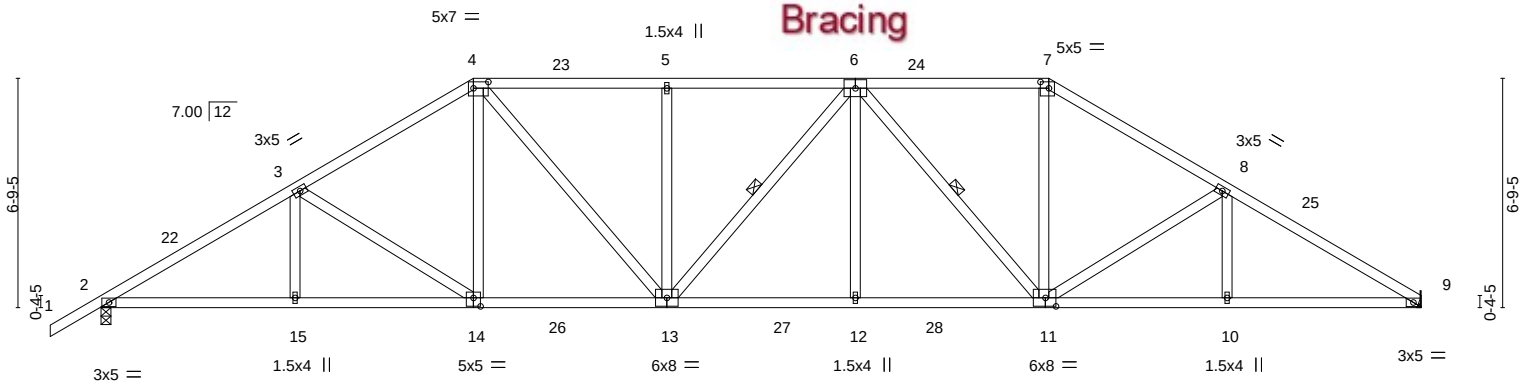


5-8-13	11-0-0	16-8-9	22-3-7	28-0-0	33-3-3	39-0-0
5-8-13	5-3-3	5-8-9	5-6-13	5-8-9	5-3-3	5-8-13

Plate Offsets (X,Y)-- [4:0-5-4,0-2-4], [7:0-3-0,0-2-4], [11:0-3-12,0-3-0], [14:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.25	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.46	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.15	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 225 lb	FT = 20%

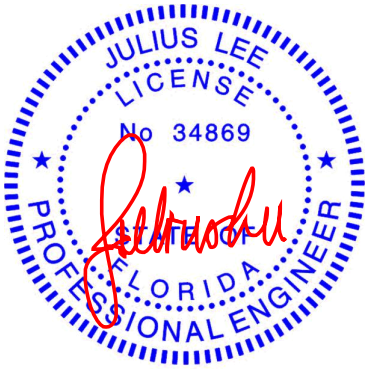
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-13, 6-11

REACTIONS. (size) 9=Mechanical, 2=0-3-8
Max Horz 2=129(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 9=1764(LC 18), 2=1852(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3066/12, 3-4=-2575/64, 4-5=-2604/79, 5-6=-2604/79, 6-7=-2183/80, 7-8=-2569/68, 8-9=-3063/22
BOT CHORD 2-15=0/2673, 14-15=0/2673, 13-14=0/2211, 12-13=0/2629, 11-12=0/2629, 10-11=0/2595, 9-10=0/2595
WEBS 3-14=-549/39, 4-14=0/500, 4-13=-4/760, 5-13=-399/77, 6-12=0/359, 6-11=-761/0, 7-11=0/951, 8-11=-561/46, 8-10=0/252

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 11-0-0, Exterior(2R) 11-0-0 to 16-8-9, Interior(1) 16-8-9 to 28-0-0, Exterior(2R) 28-0-0 to 33-3-3, Interior(1) 33-3-3 to 39-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

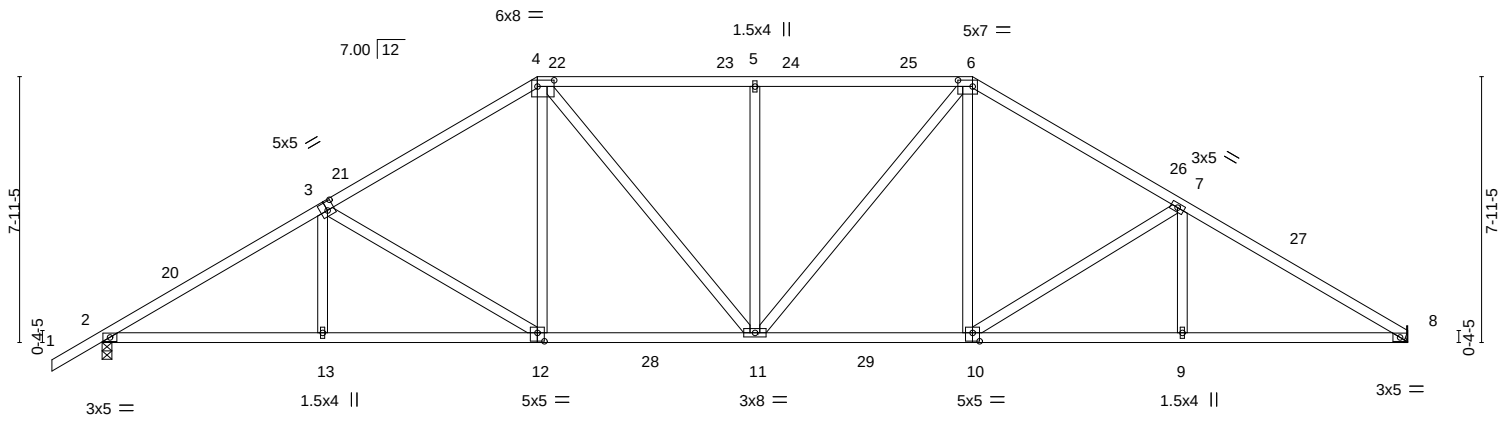
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal T31941745
GREGORY_ONEAL	A04	Hip	1	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:01 2023 Page 1
ID:A0Vr?oC7zdfUlSZfYv29GzzNYVh-?vszUExd2CMpdXrtCGYhkU4SBR7?k9jfVHax?5yPvsC

-1-6-0	6-7-1	13-0-0	19-6-0	26-0-0	32-3-3	39-0-0
1-6-0	6-7-1	6-4-15	6-6-0	6-6-0	6-3-3	6-8-13

Scale = 1:68.8



6-7-1	13-0-0	19-6-0	26-0-0	32-3-3	39-0-0
6-7-1	6-4-15	6-6-0	6-6-0	6-3-3	6-8-13

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

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	0.83	Vert(LL)	-0.22	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.40	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 219 lb	FT = 20%

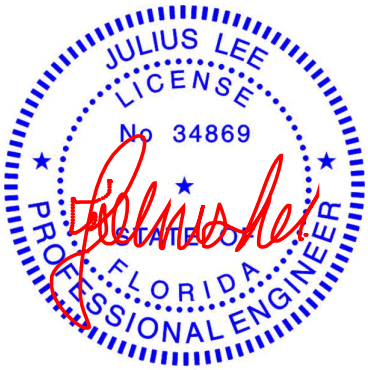
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=Mechanical, 2=0-3-8
Max Horz 2=151(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 8=1766(LC 18), 2=1850(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2989/0, 3-4=-2385/73, 4-5=-2272/85, 5-6=-2272/85, 6-7=-2420/81, 7-8=-3017/27
BOT CHORD 2-13=0/2596, 12-13=0/2591, 11-12=0/2075, 10-11=0/2001, 9-10=0/2550, 8-9=0/2550
WEBS 3-13=0/305, 3-12=-607/26, 4-12=0/524, 4-11=0/529, 5-11=-429/76, 6-11=0/527, 6-10=0/571, 7-10=-689/57, 7-9=0/301

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 13-0-0, Exterior(2R) 13-0-0 to 18-6-3, Interior(1) 18-6-3 to 26-0-0, Exterior(2R) 26-0-0 to 31-6-3, Interior(1) 31-6-3 to 39-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

October 25,2023

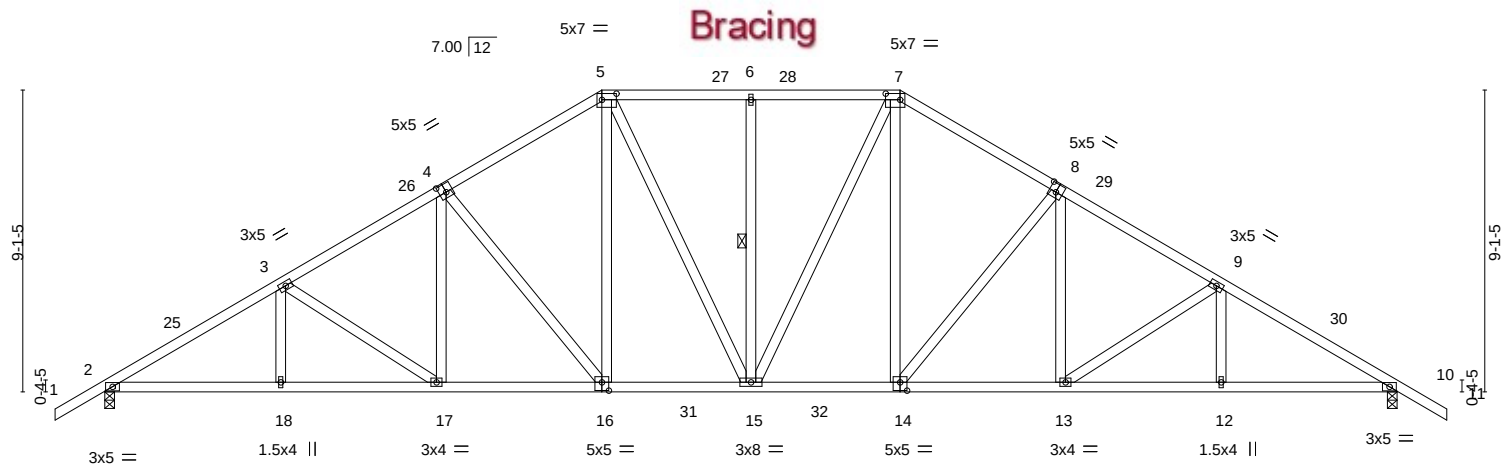
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A05	Hip	1	1	T31941746
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:02 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-T5QLiayFoWUgFhQ3m_3wHidk_rWuTcRokxJUXYyPvsB

-1-6-0	5-3-11	10-1-14	15-0-0	19-6-0	24-0-0	28-10-2	33-8-5	39-0-0	40-6-0
1-6-0	5-3-11	4-10-2	4-10-2	4-6-0	4-6-0	4-10-2	4-10-2	5-3-11	1-6-0

Scale = 1:69.5



5-3-11	10-1-14	15-0-0	19-6-0	24-0-0	28-10-2	33-8-5	39-0-0
5-3-11	4-10-2	4-10-2	4-6-0	4-6-0	4-10-2	4-10-2	5-3-11

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

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	0.38	Vert(LL)	-0.17	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.31	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.14	10	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 259 lb	FT = 20%

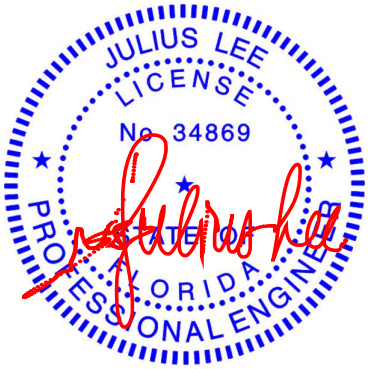
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-15

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-177(LC 10)
Max Uplift 2=-36(LC 12), 10=-36(LC 12)
Max Grav 2=1838(LC 17), 10=1838(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3054/11, 3-4=-2627/46, 4-5=-2168/93, 5-6=-1932/98, 6-7=-1932/98, 7-8=-2168/93, 8-9=-2627/46, 9-10=-3054/11
BOT CHORD 2-18=0/2710, 17-18=0/2710, 16-17=0/2294, 15-16=0/1910, 14-15=0/1854, 13-14=0/2166, 12-13=0/2578, 10-12=0/2578
WEBS 3-17=-489/49, 4-17=0/459, 4-16=-616/38, 5-16=0/634, 5-15=-17/355, 6-15=-277/57, 7-15=-17/355, 7-14=0/634, 8-14=-616/38, 8-13=0/459, 9-13=-490/49

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-0-0, Exterior(2R) 15-0-0 to 20-6-3, Interior(1) 20-6-3 to 24-0-0, Exterior(2R) 24-0-0 to 29-6-3, Interior(1) 29-6-3 to 40-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A06	Hip	1	1	T31941747
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:04 2023 Page 1
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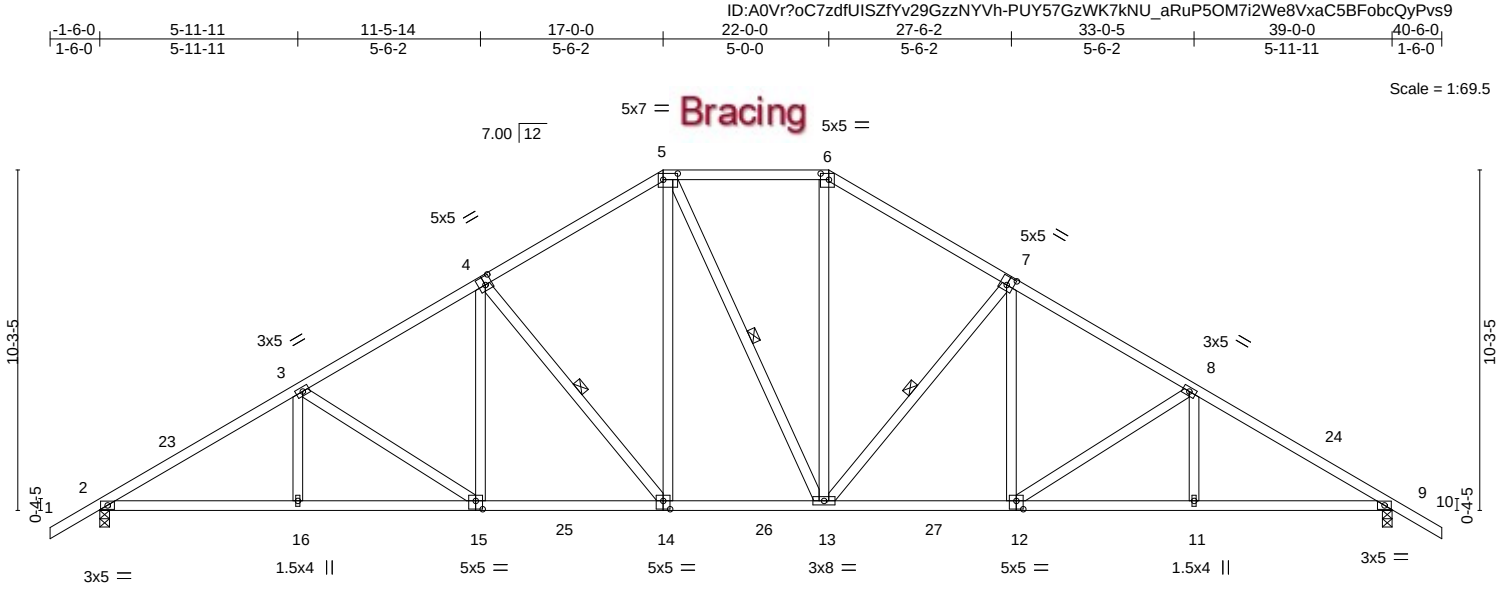


Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [5:0-5-4,0-2-4], [6:0-3-0,0-2-4], [7:0-2-8,0-3-0], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0], [15:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.23	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.42	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.14	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 247 lb	FT = 20%

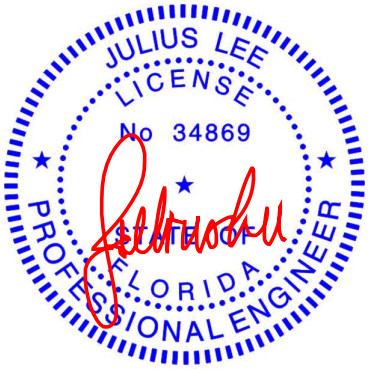
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-14, 5-13, 7-13

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-198(LC 10)
Max Uplift 2=-36(LC 12), 9=-36(LC 12)
Max Grav 2=1861(LC 17), 9=1859(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3078/14, 3-4=-2563/61, 4-5=-2024/106, 5-6=-1732/114, 6-7=-2026/101, 7-8=-2558/61, 8-9=-3074/14
BOT CHORD 2-16=0/2741, 15-16=0/2741, 14-15=0/2228, 13-14=0/1790, 12-13=0/2106, 11-12=0/2589, 9-11=0/2589
WEBS 3-16=0/254, 3-15=-593/49, 4-15=0/531, 4-14=-700/54, 5-14=0/739, 6-13=0/738, 7-13=-681/59, 7-12=0/508, 8-12=-594/49, 8-11=0/254

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 17-0-0, Exterior(2E) 17-0-0 to 22-0-0, Exterior(2R) 22-0-0 to 27-5-4, Interior(1) 27-5-4 to 40-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

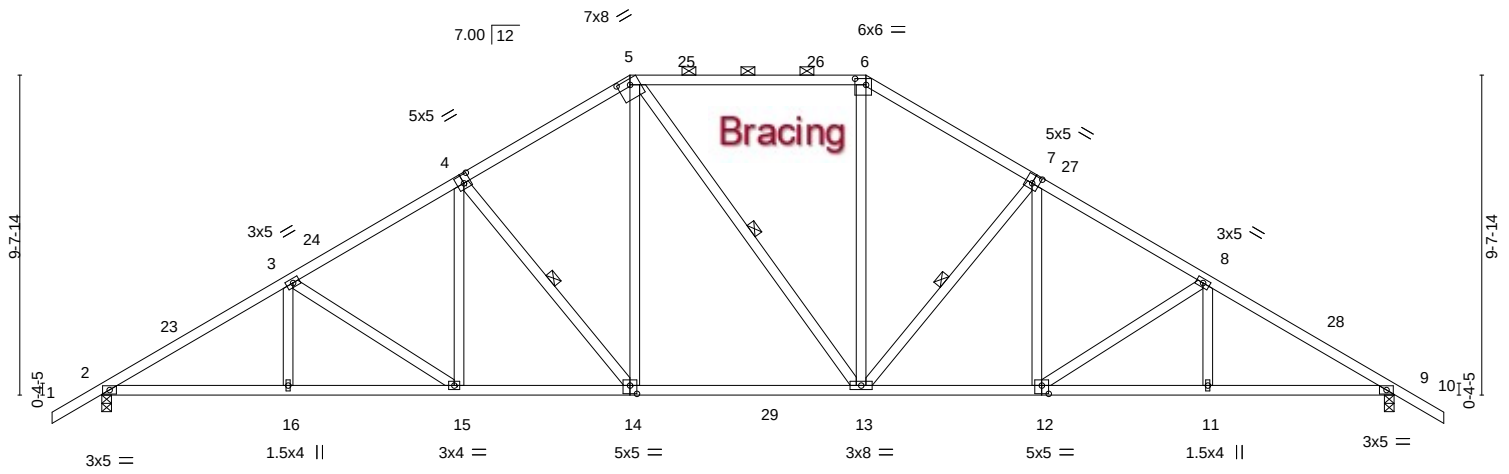
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A07	Piggyback Base	1	1	T31941748
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:06 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-MtgsYy?msk_5kIkq?p7sRYnK8SqsPV_OfYHigJyPvs7

-1-6-0	5-7-8	10-9-6	15-11-4	23-0-12	28-2-10	33-4-8	39-0-0	40-6-0
1-6-0	5-7-8	5-1-14	5-1-14	7-1-7	5-1-14	5-1-14	5-7-8	1-6-0

Scale = 1:69.5



5-7-8	10-9-6	15-11-4	23-0-12	28-2-10	33-4-8	39-0-0
5-7-8	5-1-14	5-1-14	7-1-7	5-1-14	5-1-14	5-7-8

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

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	0.75	Vert(LL)	-0.26	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.47	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.14	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 241 lb	FT = 20%

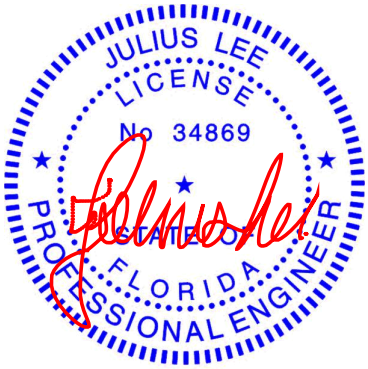
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-1-4 max.): 5-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-14, 5-13, 7-13

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-187(LC 10)
Max Uplift 2=-36(LC 12), 9=-36(LC 12)
Max Grav 2=1833(LC 17), 9=1829(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3032/14, 3-4=-2570/50, 4-5=-2080/99, 5-6=-1790/105, 6-7=-2085/92, 7-8=-2554/57, 8-9=-3030/11
BOT CHORD 2-16=0/2696, 15-16=0/2696, 14-15=0/2245, 13-14=0/1841, 12-13=0/2098, 11-12=0/2554, 9-11=0/2554
WEBS 3-15=-530/53, 4-15=0/491, 4-14=-647/39, 5-14=0/715, 6-13=0/707, 7-13=-593/57, 7-12=0/433, 8-12=-548/45

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 21-5-7, Interior(1) 21-5-7 to 23-0-12, Exterior(2R) 23-0-12 to 28-6-15, Interior(1) 28-6-15 to 40-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A08	Piggyback Base	1	1	T31941749
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:07 2023 Page 1
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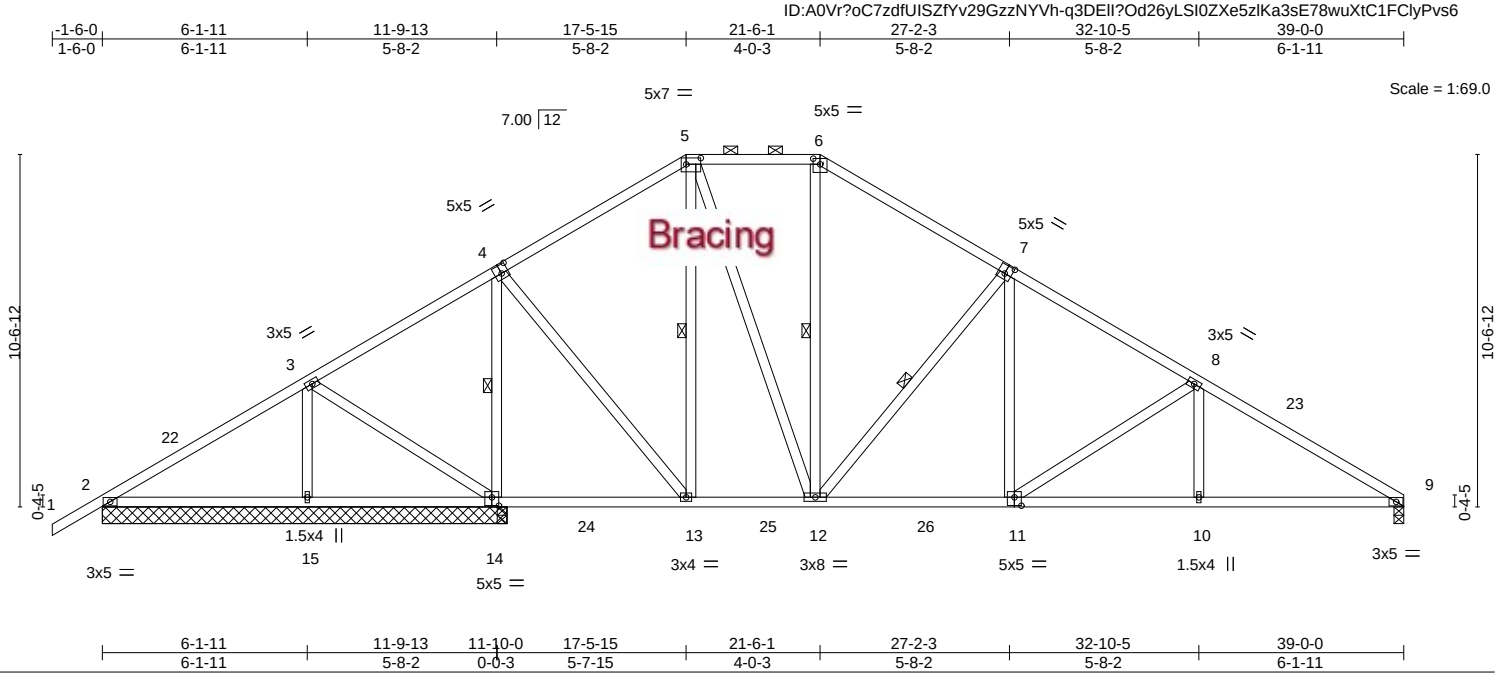


Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [5:0-5-4,0-2-4], [6:0-2-8,0-2-1], [7:0-2-8,0-3-0], [11:0-2-8,0-3-0], [14:0-2-8,0-3-0]

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	0.42	Vert(LL)	-0.11	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.21	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 247 lb	FT = 20%

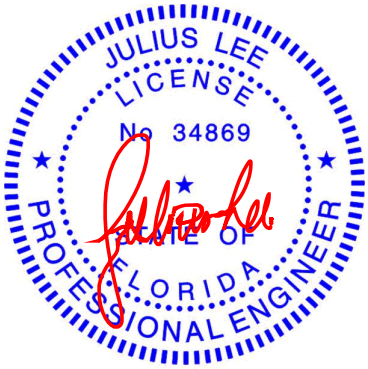
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-14, 5-13, 6-12, 7-12

REACTIONS. All bearings 12-1-8 except (jt=length) 9=0-3-8.
(lb) - Max Horz 2=199(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14
Max Grav All reactions 250 lb or less at joint(s) except 2=309(LC 23), 14=1825(LC 17), 14=1594(LC 1), 15=386(LC 23), 9=1193(LC 18), 2=280(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=0/397, 4-5=-585/106, 5-6=-689/120, 6-7=-829/107, 7-8=-1393/67, 8-9=-1935/26
BOT CHORD 13-14=-315/89, 12-13=0/481, 11-12=0/1067, 10-11=0/1625, 9-10=0/1625
WEBS 3-14=-293/68, 4-14=-1480/30, 4-13=0/1085, 5-13=-612/19, 5-12=-21/698, 7-12=-716/63, 7-11=0/546, 8-11=-648/60, 8-10=0/271

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 17-5-15, Exterior(2E) 17-5-15 to 21-6-1, Exterior(2R) 21-6-1 to 27-1-5, Interior(1) 27-1-5 to 39-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

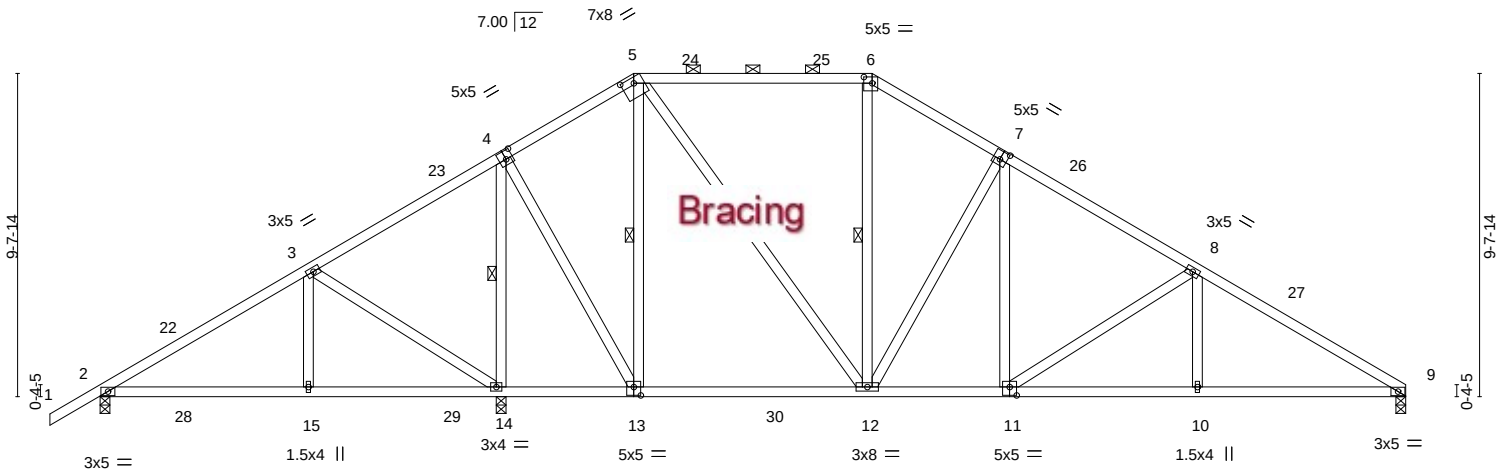
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A09	Piggyback Base	1	1	T31941750
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:09 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-mRL_A_1e9fMgblSPgyhZ3APs1fvRcnmqLWWMHeyPvs4

-1-6-0	6-2-11	11-11-12	15-11-4	23-0-12	27-0-4	32-9-5	39-0-0
1-6-0	6-2-11	5-9-1	3-11-8	7-1-7	3-11-8	5-9-1	6-2-11

Scale = 1:68.8



6-2-11	11-11-12	15-11-4	23-0-12	27-0-4	32-9-5	39-0-0
6-2-11	5-9-1	3-11-8	7-1-7	3-11-8	5-9-1	6-2-11

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [5:0-4-8,0-2-0], [6:0-3-0,0-2-4], [7:0-2-8,0-3-0], [11:0-2-8,0-3-0], [13:0-2-8,0-3-0]

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	0.65	Vert(LL)	-0.16	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.27	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 243 lb	FT = 20%

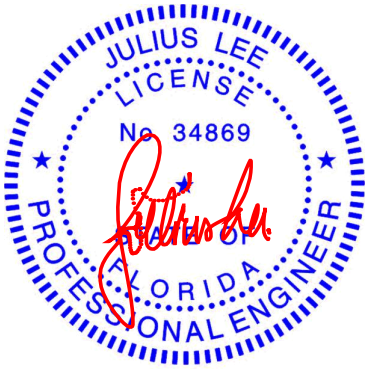
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-4-1 max.): 5-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-14, 5-13, 6-12

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 9=0-3-8
Max Horz 2=182(LC 11)
Max Uplift 2=-126(LC 12), 14=-125(LC 12)
Max Grav 2=455(LC 23), 14=1982(LC 2), 9=1156(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-359/182, 3-4=-30/430, 4-5=-350/87, 5-6=-777/96, 6-7=-909/87, 7-8=-1306/56, 8-9=-1859/14
BOT CHORD 2-15=-134/266, 14-15=-134/266, 13-14=-340/119, 12-13=0/297, 11-12=0/993, 10-11=0/1559, 9-10=0/1559
WEBS 3-15=-147/257, 3-14=-582/235, 4-14=-1499/56, 4-13=0/1133, 5-13=-814/59, 5-12=-16/839, 7-12=-581/60, 7-11=0/465, 8-11=-659/61, 8-10=0/276

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 21-5-7, Interior(1) 21-5-7 to 23-0-12, Exterior(2R) 23-0-12 to 28-6-15, Interior(1) 28-6-15 to 39-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=126, 14=125.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

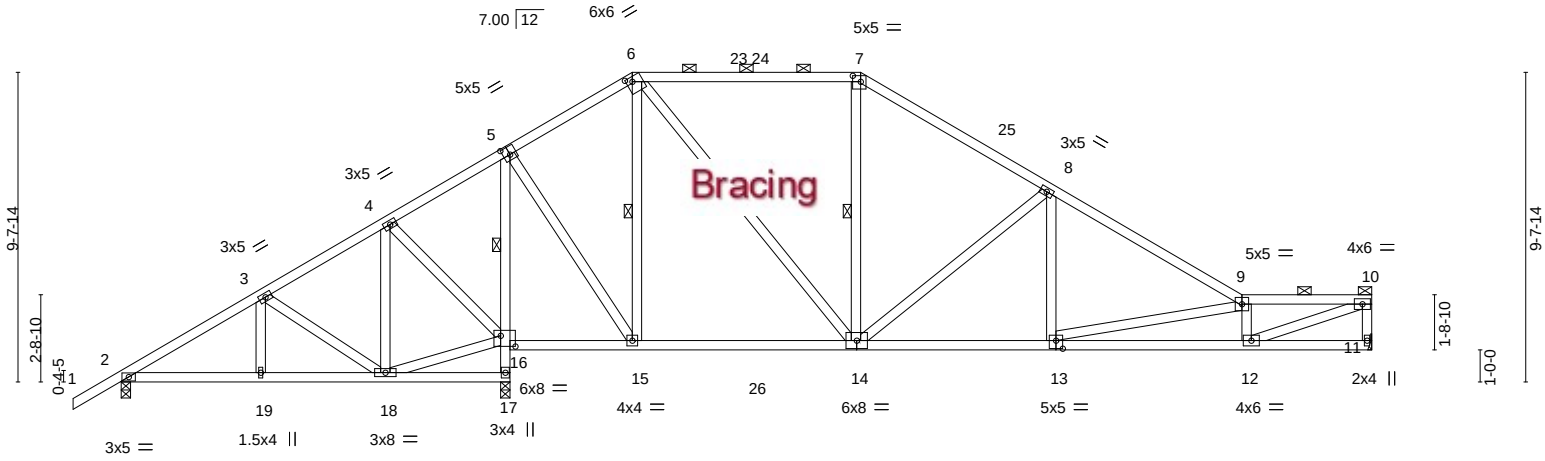
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A10	Piggyback Base	1	1	T31941751
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:11 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-iqTlbf3vhHcOq3cooNj18bVCeTXi4eF7oq?TLWyPvs2

-1-6-0	4-4-3	8-2-14	12-1-8	15-11-4	23-0-12	29-0-1	34-11-7	39-0-0
1-6-0	4-4-3	3-10-10	3-10-10	3-9-12	7-1-7	5-11-6	5-11-6	4-0-9

Scale = 1:71.9



4-4-3	8-2-14	11-11-12	12-1-8	15-11-4	23-0-12	29-0-1	34-11-7	39-0-0
4-4-3	3-10-10	3-8-14	0-1-12	3-9-12	7-1-7	5-11-6	5-11-6	4-0-9

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-2-4,0-1-12], [7:0-3-0,0-2-4], [13:0-2-8,0-3-0], [16:0-5-8,0-4-0]

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	0.64	Vert(LL)	-0.15	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.32	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 250 lb	FT = 20%

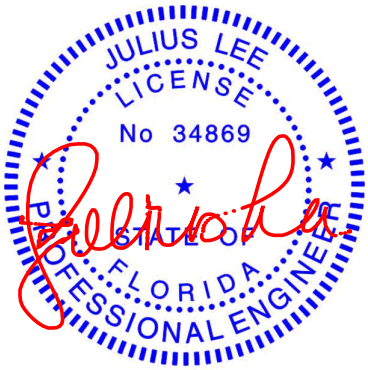
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-9-2 max.): 6-7, 9-10.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 5-16
WEBS 1 Row at midpt 6-15, 7-14

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 17=0-3-8
Max Horz 2=190(LC 11)
Max Uplift 2=-126(LC 12), 17=-123(LC 12)
Max Grav 11=1059(LC 18), 2=382(LC 23), 17=2162(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-303/274, 3-4=0/405, 4-5=-76/800, 6-7=-709/116, 7-8=-885/97, 8-9=-1593/61, 9-10=-2425/26, 10-11=-991/19
BOT CHORD 2-19=-260/216, 18-19=-260/216, 16-17=-2102/319, 5-16=-1788/127, 15-16=-712/169, 13-14=-5/1275, 12-13=-12/2474
WEBS 3-18=-355/212, 4-18=-219/413, 16-18=-390/7, 4-16=-565/278, 5-15=-45/1436, 6-15=-900/120, 6-14=-57/873, 8-14=-824/86, 8-13=0/497, 9-13=-1220/37, 9-12=-714/76, 10-12=0/2490

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2R) 23-0-12 to 26-11-9, Interior(1) 26-11-9 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) The Fabrication Tolerance at joint 6 = 16%
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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=126, 17=123.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: October 25,2023

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)

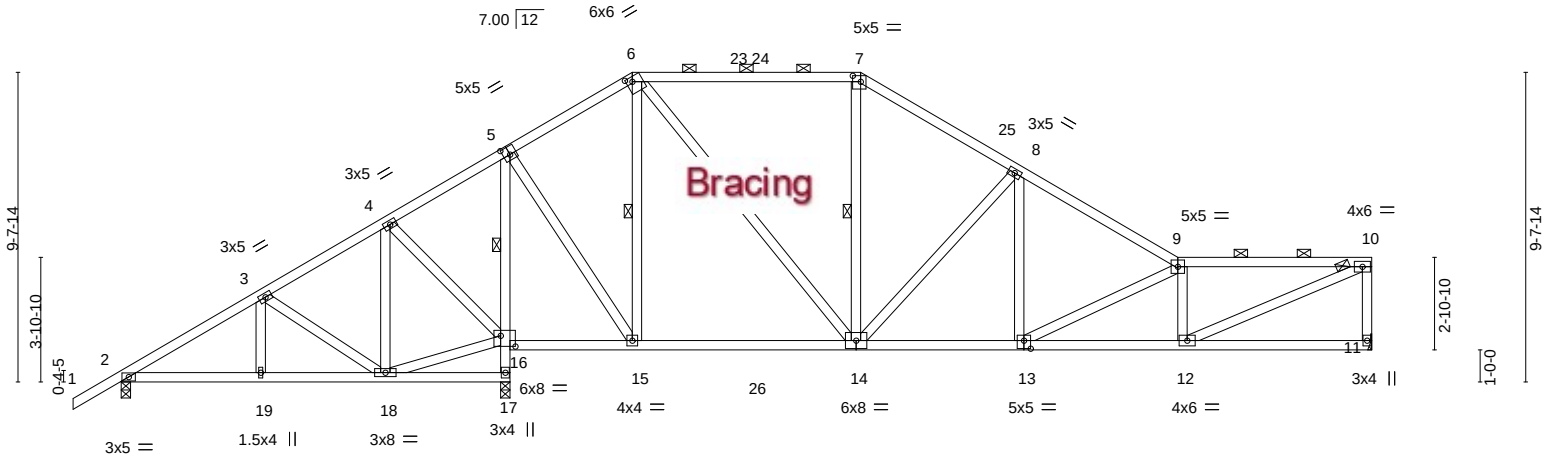
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A11	Piggyback Base	1	1	T31941752
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:13 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-fDbV0L49Dut63NmAvolVD0aYzGHrYZ?QG8UaQPyPvs0

-1-6-0	4-4-3	8-2-14	12-1-8	15-11-4	23-0-12	28-0-1	32-11-7	39-0-0
1-6-0	4-4-3	3-10-10	3-10-10	3-9-12	7-1-7	4-11-6	4-11-6	6-0-9

Scale = 1:71.9



4-4-3	8-2-14	11-11-12	12-1-8	15-11-4	23-0-12	28-0-1	32-11-7	39-0-0
4-4-3	3-10-10	3-8-14	0-1-12	3-9-12	7-1-7	4-11-6	4-11-6	6-0-9

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-2-4,0-1-12], [7:0-3-0,0-2-4], [13:0-2-8,0-3-0], [16:0-5-8,0-4-0]

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)	-0.14	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.26	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 256 lb	FT = 20%

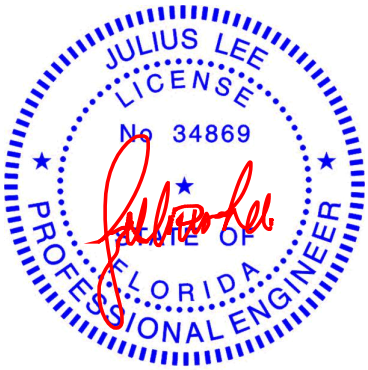
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-9-13 max.): 6-7, 9-10.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 5-16
WEBS 1 Row at midpt 6-15, 7-14

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 17=0-3-8
Max Horz 2=204(LC 11)
Max Uplift 2=-124(LC 12), 17=-126(LC 12)
Max Grav 11=1077(LC 18), 2=415(LC 23), 17=2074(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-366/278, 3-4=-59/287, 4-5=-97/661, 5-6=-315/69, 6-7=-762/117, 7-8=-929/102, 8-9=-1507/71, 9-10=-1920/46, 10-11=-977/38
BOT CHORD 2-19=-290/271, 18-19=-290/271, 16-17=-2015/333, 5-16=-1686/136, 15-16=-584/176, 14-15=0/252, 13-14=-24/1187, 12-13=-23/1912
WEBS 3-18=-353/212, 4-18=-220/380, 16-18=-283/14, 4-16=-535/280, 5-15=-53/1334, 6-15=-835/128, 6-14=-56/828, 8-14=-749/78, 8-13=0/548, 9-13=-809/40, 9-12=-621/76, 10-12=-2/2001

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2R) 23-0-12 to 26-11-9, Interior(1) 26-11-9 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) The Fabrication Tolerance at joint 6 = 16%
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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=124, 17=126.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: October 25,2023

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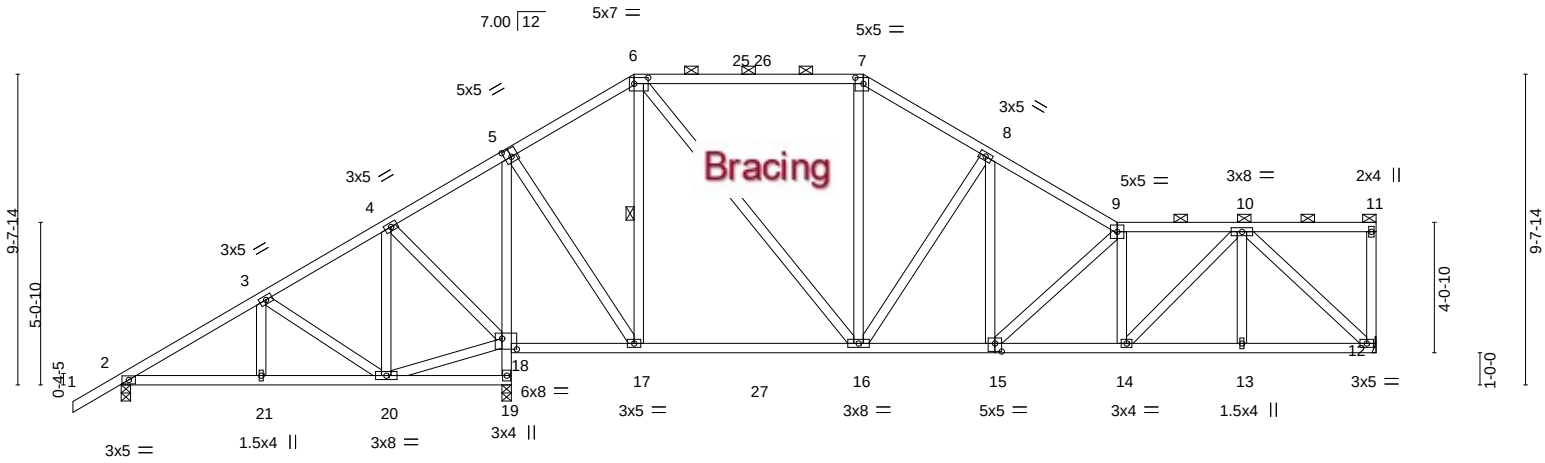
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A12	Piggyback Base	1	1	T31941753
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:15 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-bbiFQ16PkV7qJgwZ1CozIRfuG4uO0UrjjSzgUHyPvs_

-1-6-0	4-4-3	8-2-14	12-1-8	15-11-4	23-0-12	27-0-1	30-11-7	34-9-15	39-0-0
1-6-0	4-4-3	3-10-10	3-10-10	3-9-12	7-1-7	3-11-6	3-11-6	3-10-9	4-2-1

Scale = 1:71.6



4-4-3	8-2-14	11-11-12	12-1-8	15-11-4	23-0-12	27-0-1	30-11-7	34-9-15	39-0-0
4-4-3	3-10-10	3-8-14	0-1-12	3-9-12	7-1-7	3-11-6	3-11-6	3-10-9	4-2-1

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

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	0.66	Vert(LL)	-0.10	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.17	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 271 lb	FT = 20%

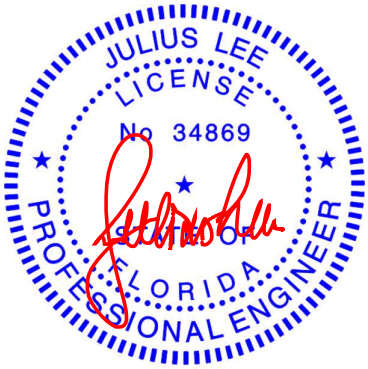
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 12=Mechanical, 2=0-3-8, 19=0-3-8
Max Horz 2=217(LC 11)
Max Uplift 2=-123(LC 12), 19=-127(LC 12)
Max Grav 12=1106(LC 18), 2=459(LC 23), 19=1956(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-453/286, 4-5=-121/475, 5-6=-431/76, 6-7=-850/116, 7-8=-1013/105, 8-9=-1447/86, 9-10=-1644/67
BOT CHORD 2-21=-318/345, 20-21=-318/345, 18-19=-1906/346, 5-18=-1541/150, 17-18=-412/179, 16-17=0/342, 15-16=-43/1158, 14-15=-38/1600, 13-14=-41/1019, 12-13=-41/1019
WEBS 3-20=-349/212, 4-20=-222/334, 4-18=-494/281, 5-17=-65/1195, 6-17=-762/126, 6-16=-44/806, 8-16=-676/84, 8-15=0/553, 9-15=-641/45, 9-14=-446/52, 10-14=0/830, 10-12=-1382/10

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2R) 23-0-12 to 27-0-1, Interior(1) 27-0-1 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=123, 19=127.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

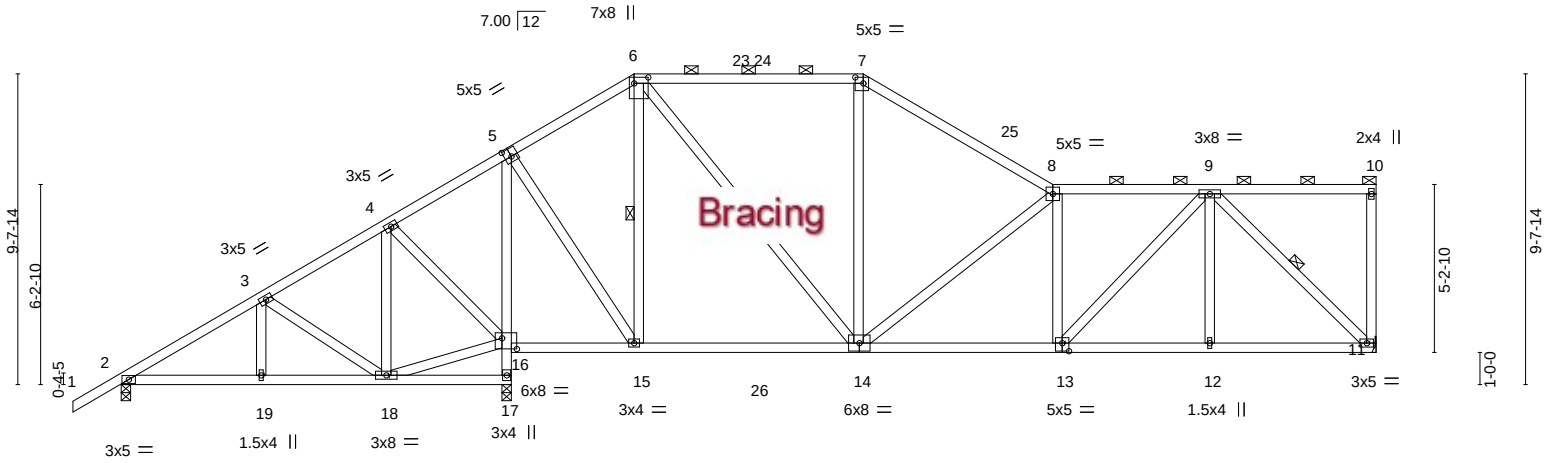
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A13	Piggyback Base	1	1	T31941754
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:16 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-3oGeeN61VpFgwqUlawJCrfC3OUF3lvFsy6iE0kyPvrz

-1-6-0	4-4-3	8-2-14	12-1-8	15-11-4	23-0-12	28-11-7	33-9-15	39-0-0
1-6-0	4-4-3	3-10-10	3-10-10	3-9-12	7-1-7	5-10-11	4-10-9	5-2-1

Scale = 1:71.6



4-4-3	8-2-14	11-11-12	12-1-8	15-11-4	23-0-12	28-11-7	33-9-15	39-0-0
4-4-3	3-10-10	3-8-14	0-1-12	3-9-12	7-1-7	5-10-11	4-10-9	5-2-1

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-2-4,0-5-4], [7:0-3-0,0-2-4], [13:0-2-8,0-3-0], [16:0-5-8,0-4-0]

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	0.64	Vert(LL)	-0.13	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.26	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 265 lb	FT = 20%

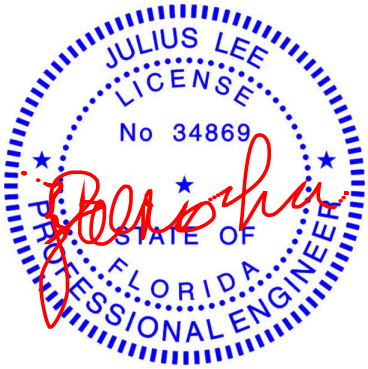
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-10-12 max.): 6-7, 8-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-15, 9-11

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 17=0-3-8
Max Horz 2=231(LC 11)
Max Uplift 2=-121(LC 12), 17=-128(LC 12)
Max Grav 11=1110(LC 18), 2=476(LC 23), 17=1913(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-484/291, 4-5=-144/410, 5-6=-485/78, 6-7=-865/126, 7-8=-1051/105, 8-9=-1415/91
BOT CHORD 2-19=-346/372, 18-19=-346/372, 16-17=-1869/357, 5-16=-1513/151, 15-16=-355/183, 14-15=-31/383, 13-14=-64/1382, 12-13=-55/959, 11-12=-55/959
WEBS 3-18=-348/213, 4-18=-222/321, 4-16=-483/281, 5-15=-65/1163, 6-15=-714/141, 6-14=-59/755, 8-14=-769/84, 8-13=-300/68, 9-13=-11/620, 9-11=-1309/5

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2R) 23-0-12 to 26-11-9, Interior(1) 26-11-9 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=121, 17=128.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

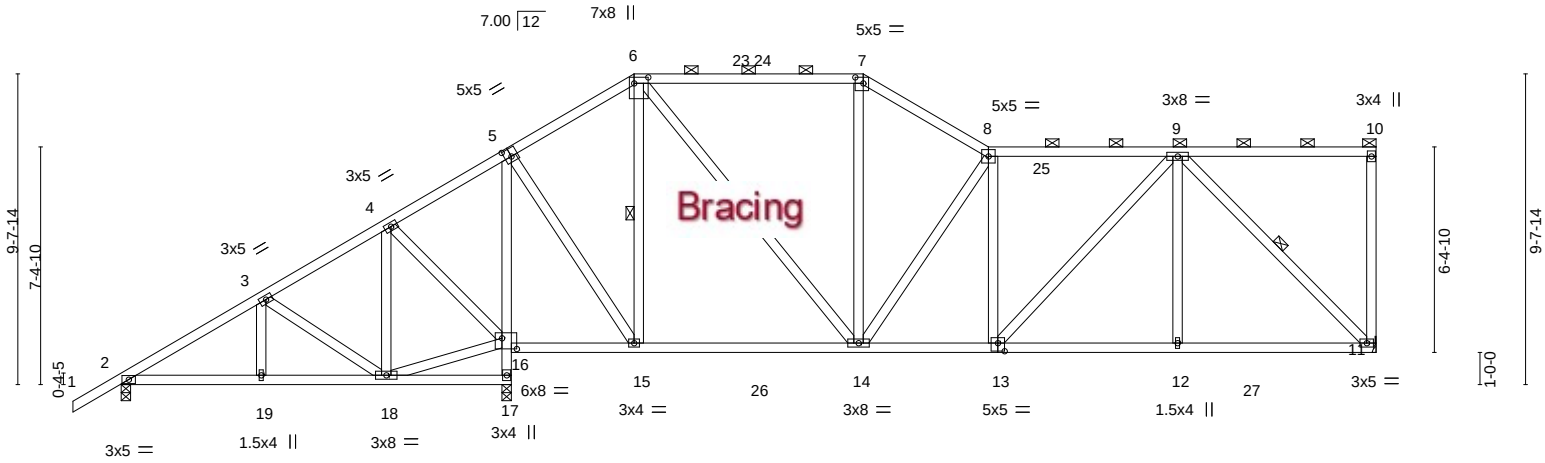
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A14	Piggyback Base	1	1	T31941755
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:18 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-?AOO338I1QVOA8e8iLLgw4HONHwHDsr9PQBL4cyPvrx

-1-6-0	4-4-3	8-2-14	12-1-8	15-11-4	23-0-12	26-11-7	32-9-15	39-0-0
1-6-0	4-4-3	3-10-10	3-10-10	3-9-12	7-1-7	3-10-11	5-10-9	6-2-1

Scale = 1:71.6



4-4-3	8-2-14	11-11-12	12-1-8	15-11-4	23-0-12	26-11-7	32-9-15	39-0-0
4-4-3	3-10-10	3-8-14	0-1-12	3-9-12	7-1-7	3-10-11	5-10-9	6-2-1

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-2-4,0-5-4], [7:0-3-0,0-2-4], [13:0-2-8,0-3-0], [16:0-5-8,0-4-0]

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	0.67	Vert(LL)	-0.09	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.16	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 273 lb	FT = 20%

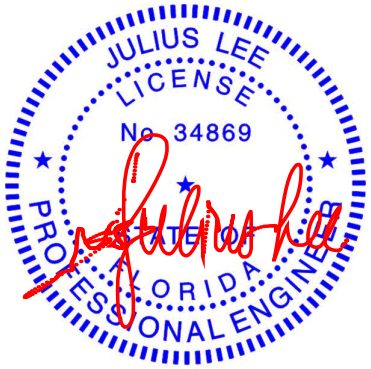
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-10-1 max.): 6-7, 8-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-15, 9-11

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 17=0-3-8
Max Horz 2=245(LC 11)
Max Uplift 2=-120(LC 12), 17=-129(LC 12)
Max Grav 11=1138(LC 18), 2=488(LC 23), 17=1891(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-507/290, 4-5=-167/360, 5-6=-514/73, 6-7=-900/104, 7-8=-1067/97, 8-9=-1240/88
BOT CHORD 2-19=-372/392, 18-19=-372/392, 16-17=-1852/366, 5-16=-1475/160, 15-16=-313/179, 14-15=-66/407, 13-14=-80/1215, 12-13=-72/938, 11-12=-72/938
WEBS 3-18=-347/213, 4-18=-222/306, 4-16=-470/281, 5-15=-74/1125, 6-15=-706/137, 6-14=-28/771, 8-14=-668/75, 9-13=-8/403, 9-12=0/317, 9-11=-1277/14

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2E) 23-0-12 to 26-11-7, Interior(1) 26-11-7 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=120, 17=129.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

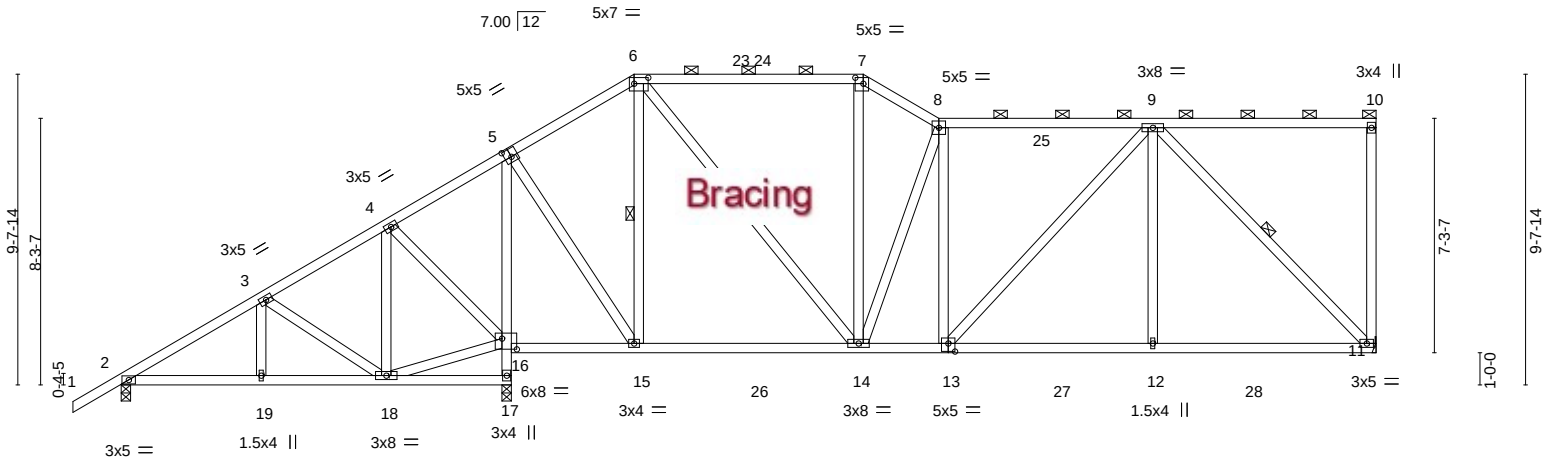
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A15	Piggyback Base	1	1	T31941756
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:20 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-xZW8Uk9YZ2l6PSoWpmN8?VMky5cmhm2StkgR9VyPvrv

1-6-0	4-4-3	8-2-14	12-1-8	15-11-4	23-0-12	25-4-15	32-0-11	39-0-0
1-6-0	4-4-3	3-10-10	3-10-10	3-9-12	7-1-7	2-4-3	6-7-13	6-11-5

Scale = 1:71.6



4-4-3	8-2-14	11-11-12	12-1-8	15-11-4	23-0-12	25-4-15	32-0-11	39-0-0
4-4-3	3-10-10	3-8-14	0-1-12	3-9-12	7-1-7	2-4-3	6-7-13	6-11-5

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-5-4,0-2-4], [7:0-3-0,0-2-4], [13:0-2-8,0-3-0], [16:0-5-8,0-4-0]

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	0.67	Vert(LL)	-0.09	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.17	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 281 lb	FT = 20%

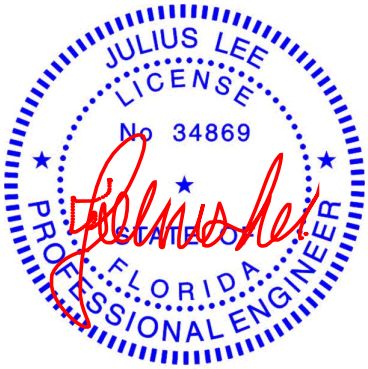
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-9-15 max.): 6-7, 8-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-15, 9-11

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 17=0-3-8
Max Horz 2=256(LC 11)
Max Uplift 2=-118(LC 12), 17=-130(LC 12)
Max Grav 11=1182(LC 19), 2=497(LC 23), 17=1893(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-525/292, 4-5=-186/327, 5-6=-546/75, 6-7=-931/106, 7-8=-1082/107, 8-9=-1137/98
BOT CHORD 2-19=-390/409, 18-19=-390/409, 16-17=-1853/371, 5-16=-1473/163, 15-16=-287/180, 14-15=-89/437, 13-14=-95/1119, 12-13=-84/948, 11-12=-84/948
WEBS 3-18=-347/213, 4-18=-222/299, 4-16=-463/281, 5-15=-76/1119, 6-15=-687/141, 6-14=-30/777, 7-14=0/262, 8-14=-668/79, 9-12=0/421, 9-11=-1290/21

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2E) 23-0-12 to 25-4-15, Interior(1) 25-4-15 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=118, 17=130.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A16	Piggyback Base	2	1	T31941757
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.720 s Aug 20 2023 MiTek Industries, Inc. Wed Oct 25 11:54:09 2023 Page 1

ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-V1XnlkRHw8nJstLQ7WyUdZ7c4hyZcUwLtJTPNYyPubS

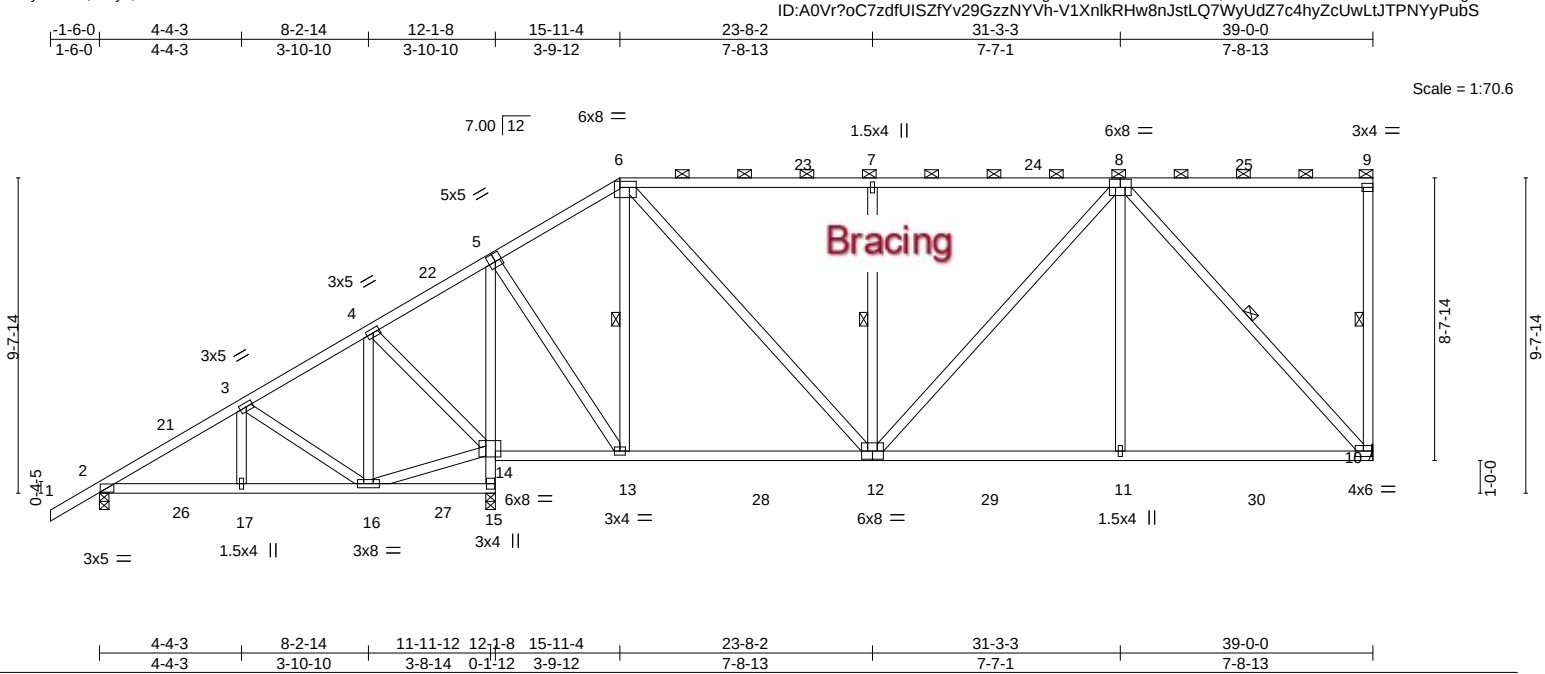


Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-6-0,0-2-4], [9:Edge,0-1-8], [14:0-5-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	-0.19	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.33	12-13	>988	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 269 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 6-9.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 9-10, 6-13, 7-12, 8-10

REACTIONS. (lb/size) 10=1043/Mechanical, 2=503/0-3-8 (min. 0-1-8), 15=1652/0-3-8 (min. 0-2-3)
Max Horz 2=280(LC 9)
Max Uplift 2=-117(LC 12), 15=-131(LC 12)
Max Grav 10=1224(LC 17), 2=505(LC 2), 15=1866(LC 17)

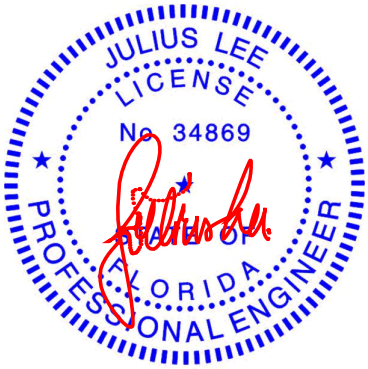
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-21=-538/238, 3-21=-499/253, 3-4=-277/168, 5-6=-620/64, 6-23=-1011/83, 7-23=-1011/83, 7-24=-1011/83, 8-24=-1011/83, 9-10=-250/57
BOT CHORD	2-26=-320/454, 17-26=-320/454, 16-17=-320/454, 14-15=-1826/212, 5-14=-1468/57, 13-28=-89/505, 12-28=-89/505, 12-29=-32/867, 11-29=-32/867, 11-30=-32/867, 10-30=-32/867
WEBS	3-16=-345/141, 4-16=-170/286, 4-14=-452/194, 5-13=0/1111, 6-13=-624/79, 6-12=-26/755, 7-12=-543/108, 8-11=0/505, 8-10=-1200/0

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 21-5-7, Interior(1) 21-5-7 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 2 and 131 lb uplift at joint 15.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



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

Date:

October 25,2023

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

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A17	Piggyback Base	1	1	T31941758
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:23 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-M8BH6mCQsz7hGvX5Vuxrd7_EbIefu6BuZiv6lqyPvrs

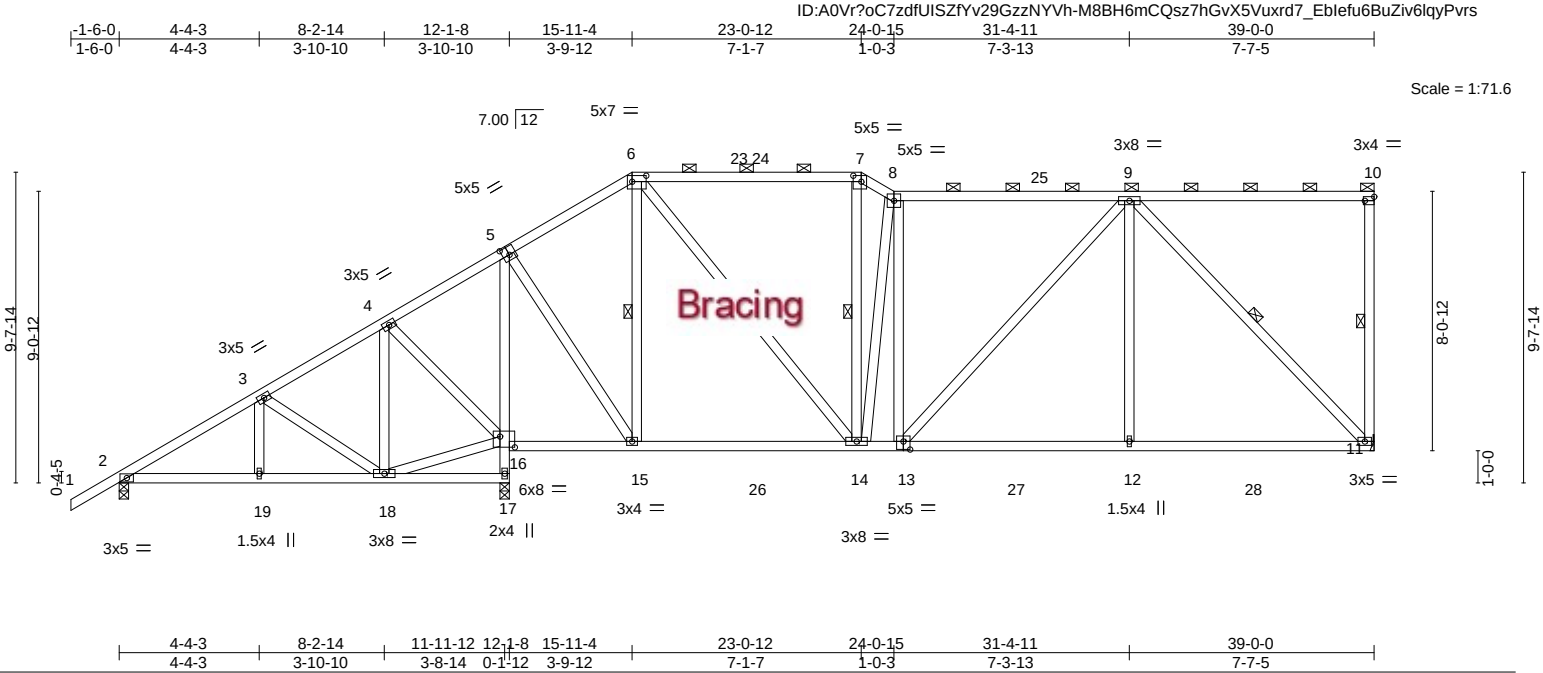


Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-5-4,0-2-4], [7:0-3-0,0-2-4], [10:Edge,0-1-8], [13:0-2-8,0-3-0], [16:0-5-8,0-4-0]

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	0.71	Vert(LL)	-0.11	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.21	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 288 lb	FT = 20%

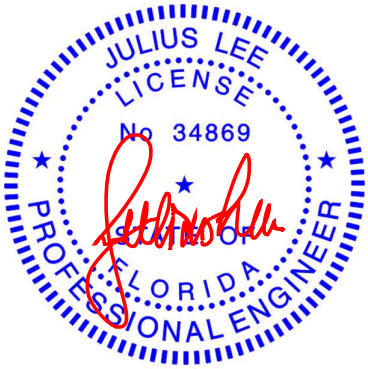
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-11-9 max.): 6-7, 8-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 10-11, 6-15, 7-14, 9-11

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 17=0-3-8
Max Horz 2=268(LC 9)
Max Uplift 2=-117(LC 12), 17=-130(LC 12)
Max Grav 11=1202(LC 19), 2=506(LC 23), 17=1885(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-543/294, 4-5=-202/294, 5-6=-570/77, 6-7=-957/108, 7-8=-1077/114, 8-9=-1037/107
BOT CHORD 2-19=-405/427, 18-19=-405/427, 16-17=-1846/375, 5-16=-1460/165, 15-16=-260/180, 14-15=-107/460, 13-14=-111/1027, 12-13=-95/936, 11-12=-95/936
WEBS 3-18=-346/214, 4-18=-222/291, 4-16=-456/281, 5-15=-78/1106, 6-15=-673/142, 6-14=-31/785, 7-14=-52/275, 8-14=-622/93, 9-12=0/475, 9-11=-1274/28

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2E) 23-0-12 to 24-0-15, Interior(1) 24-0-15 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=117, 17=130.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

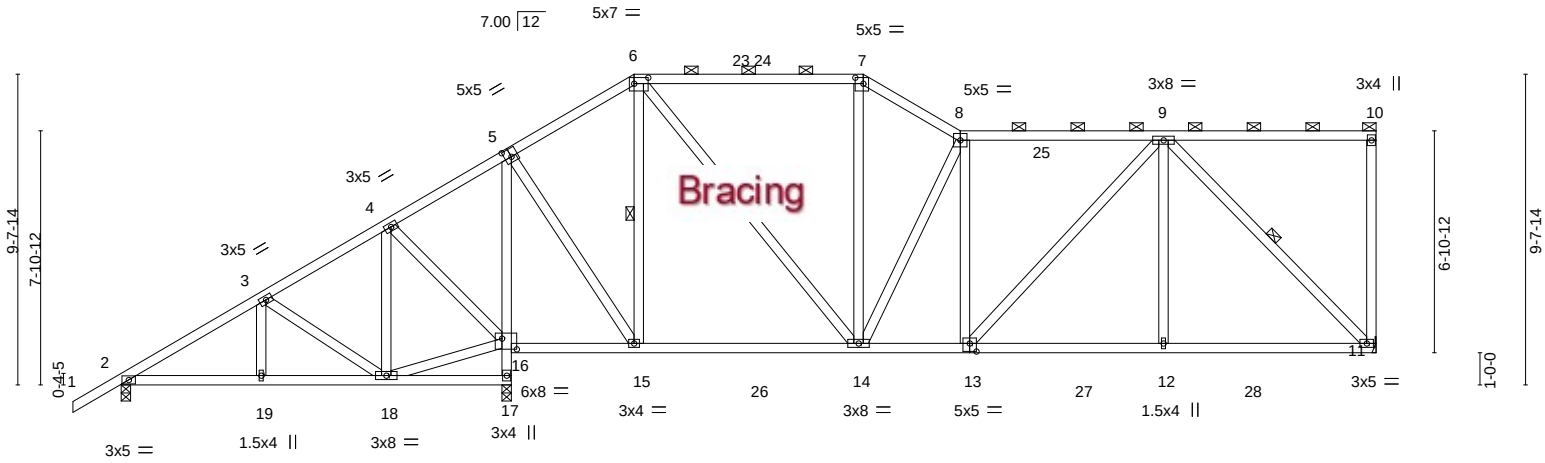
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A18	Piggyback Base	1	1	T31941759
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:25 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-IWJ1XSDhOaNPVDgUcJzJiY4bb6JrM1VB00OCqiyPvrq

-1-6-0	4-4-3	8-2-14	12-1-8	15-11-4	23-0-12	26-0-15	32-4-11	39-0-0
1-6-0	4-4-3	3-10-10	3-10-10	3-9-12	7-1-7	3-0-3	6-3-13	6-7-5

Scale = 1:71.6



4-4-3	8-2-14	11-11-12	12-1-8	15-11-4	23-0-12	26-0-15	32-4-11	39-0-0
4-4-3	3-10-10	3-8-14	0-1-12	3-9-12	7-1-7	3-0-3	6-3-13	6-7-5

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-5-4,0-2-4], [7:0-3-0,0-2-4], [13:0-2-8,0-3-0], [16:0-5-8,0-4-0]

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	0.67	Vert(LL)	-0.09	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.16	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 277 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-9-13 max.): 6-7, 8-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-15, 9-11

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 17=0-3-8
Max Horz 2=251(LC 11)
Max Uplift 2=-119(LC 12), 17=-130(LC 12)
Max Grav 11=1171(LC 19), 2=493(LC 23), 17=1897(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-517/291, 4-5=-178/343, 5-6=-533/74, 6-7=-921/105, 7-8=-1079/103, 8-9=-1189/93
BOT CHORD 2-19=-382/401, 18-19=-382/401, 16-17=-1857/369, 5-16=-1479/162, 15-16=-299/180, 14-15=-79/425, 13-14=-88/1167, 12-13=-79/954, 11-12=-79/954
WEBS 3-18=-347/213, 4-18=-222/303, 4-16=-466/281, 5-15=-75/1126, 6-15=-695/139, 6-14=-29/778, 7-14=0/252, 8-14=-673/76, 9-13=-11/309, 9-12=0/393, 9-11=-1298/18

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2E) 23-0-12 to 26-0-15, Interior(1) 26-0-15 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=119, 17=130.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

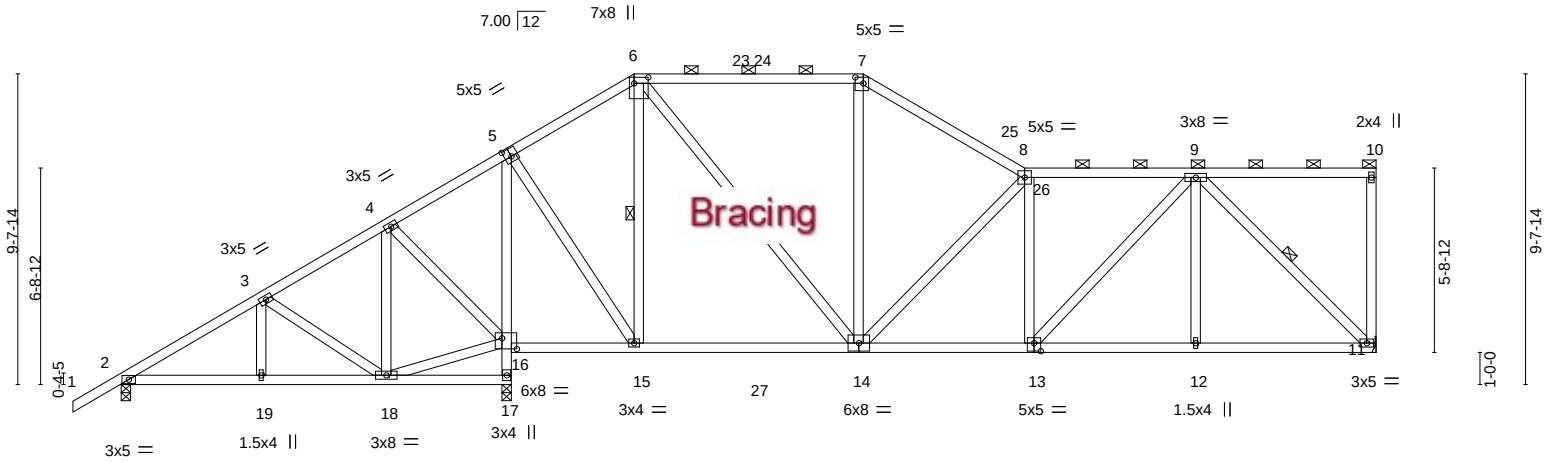
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A19	Piggyback Base	1	1	T31941760
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:27 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-EvRoy7FxwBd7lWqskk?nnz9xLw?uqwkUUKtJvbyPvro

-1-6-0	4-4-3	8-2-14	12-1-8	15-11-4	23-0-12	28-0-15	33-4-11	39-0-0
1-6-0	4-4-3	3-10-10	3-10-10	3-9-12	7-1-7	5-0-3	5-3-13	5-7-5

Scale = 1:71.6



4-4-3	8-2-14	11-11-12	12-1-8	15-11-4	23-0-12	28-0-15	33-4-11	39-0-0
4-4-3	3-10-10	3-8-14	0-1-12	3-9-12	7-1-7	5-0-3	5-3-13	5-7-5

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-2-4,0-5-4], [7:0-3-0,0-2-4], [13:0-2-8,0-3-0], [16:0-5-8,0-4-0]

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	0.66	Vert(LL)	-0.13	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.24	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 268 lb	FT = 20%

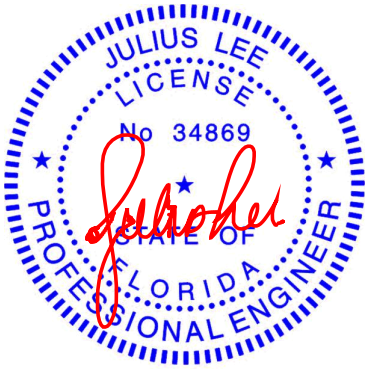
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-11-9 max.): 6-7, 8-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-15, 9-11

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 17=0-3-8
Max Horz 2=237(LC 11)
Max Uplift 2=-120(LC 12), 17=-129(LC 12)
Max Grav 11=1111(LC 18), 2=481(LC 23), 17=1898(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-495/293, 4-5=-154/386, 5-6=-501/79, 6-7=-870/127, 7-8=-1046/111, 8-9=-1329/96
BOT CHORD 2-19=-357/381, 18-19=-357/381, 16-17=-1857/361, 5-16=-1498/154, 15-16=-335/185, 14-15=-46/395, 13-14=-70/1299, 12-13=-62/940, 11-12=-62/940
WEBS 3-18=-348/213, 4-18=-223/315, 4-16=-478/282, 5-15=-68/1149, 6-15=-704/144, 6-14=-58/742, 8-14=-720/81, 9-13=-7/527, 9-11=-1282/8

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2R) 23-0-12 to 26-11-9, Interior(1) 26-11-9 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=120, 17=129.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

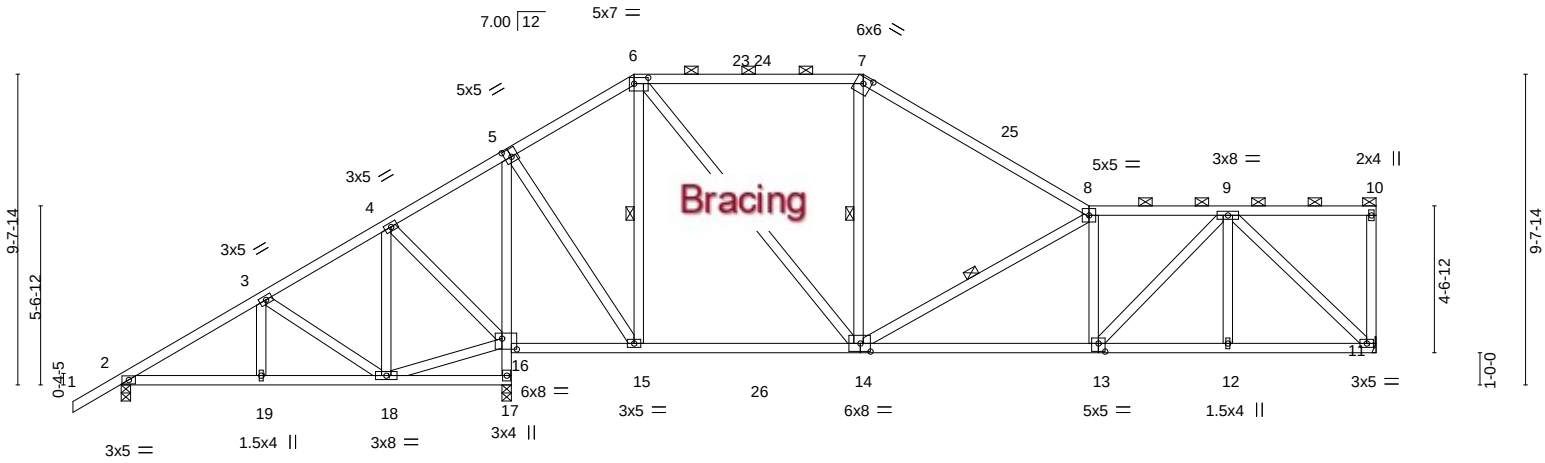
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A20	Piggyback Base	1	1	T31941761
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:29 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-BIZYNpGBRpuq_q_Fr92FtOEIGjebInrnxdMQzTyPvrm

-1-6-0 | 4-4-3 | 8-2-14 | 12-1-8 | 15-11-4 | 23-0-12 | 30-0-15 | 34-4-11 | 39-0-0
1-6-0 | 4-4-3 | 3-10-10 | 3-10-10 | 3-9-12 | 7-1-7 | 7-0-3 | 4-3-13 | 4-7-5

Scale = 1:71.6



4-4-3 | 8-2-14 | 11-11-12 | 12-1-8 | 15-11-4 | 23-0-12 | 30-0-15 | 34-4-11 | 39-0-0
4-4-3 | 3-10-10 | 3-8-14 | 0-1-12 | 3-9-12 | 7-1-7 | 7-0-3 | 4-3-13 | 4-7-5

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-5-4,0-2-4], [7:0-3-0,0-2-5], [13:0-2-8,0-3-0], [14:0-3-12,0-3-0], [16:0-5-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.20	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.43	13-14	>750	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 260 lb	FT = 20%

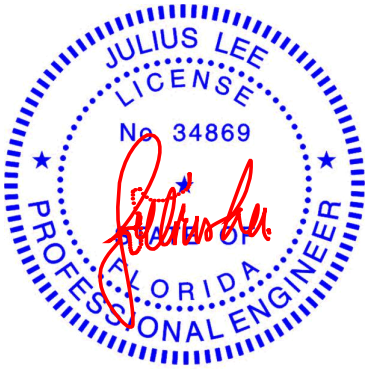
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-7-13 max.): 6-7, 8-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-15, 7-14, 8-14

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 17=0-3-8
Max Horz 2=223(LC 11)
Max Uplift 2=-33(LC 12), 17=-4(LC 12)
Max Grav 11=1104(LC 18), 2=468(LC 23), 17=2019(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-469/28, 4-5=-51/468, 5-6=-447/122, 6-7=-849/154, 7-8=-1047/131, 8-9=-1528/116
BOT CHORD 2-19=-101/393, 18-19=-101/393, 16-17=-1957/129, 5-16=-1553/90, 15-16=-405/113, 14-15=-52/352, 13-14=-89/1491, 12-13=-60/984, 11-12=-60/984
WEBS 3-18=-391/37, 4-18=0/339, 4-16=-530/69, 5-15=-12/1196, 6-15=-729/99, 6-14=-42/781, 8-14=-858/94, 8-13=-374/94, 9-13=-41/741, 9-11=-1338/25

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2R) 23-0-12 to 26-11-9, Interior(1) 26-11-9 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

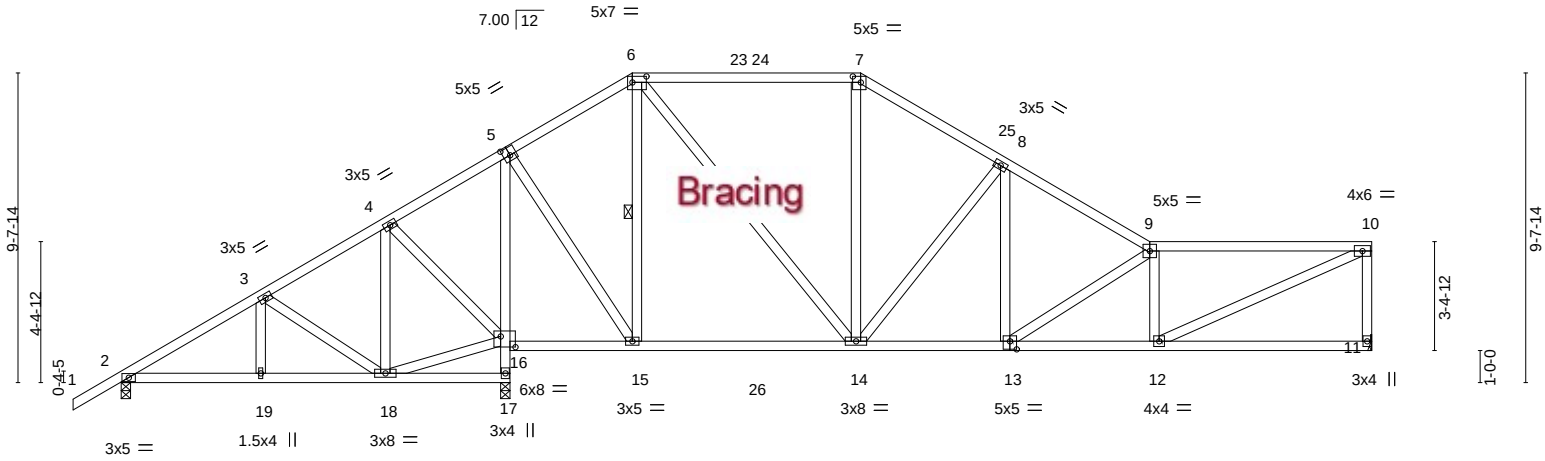
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A21	Piggyback Base	1	1	T31941762
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:30 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-fU6wa9HpC60hc_ZRPsZUPcnUJ7zd1HEwAH5zVwyPvrl

-1-6-0	4-4-3	8-2-14	12-1-8	15-11-4	23-0-12	27-6-13	32-0-15	39-0-0
1-6-0	4-4-3	3-10-10	3-10-10	3-9-12	7-1-7	4-6-2	4-6-2	6-11-1

Scale = 1:71.9



4-4-3	8-2-14	11-11-12	12-1-8	15-11-4	23-0-12	27-6-13	32-0-15	39-0-0
4-4-3	3-10-10	3-8-14	0-1-12	3-9-12	7-1-7	4-6-2	4-6-2	6-11-1

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-5-4,0-2-4], [7:0-3-0,0-2-4], [13:0-2-8,0-3-0], [16:0-5-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.10	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.18	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 259 lb	FT = 20%

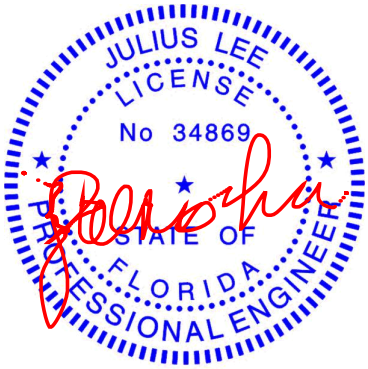
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-15

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 17=0-3-8
Max Horz 2=210(LC 11)
Max Uplift 2=-34(LC 12), 17=-4(LC 12)
Max Grav 11=1075(LC 18), 2=422(LC 23), 17=2130(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-380/100, 3-4=-73/260, 4-5=-29/653, 5-6=-315/117, 6-7=-781/140, 7-8=-944/130, 8-9=-1450/110, 9-10=-1773/84, 10-11=-959/58
BOT CHORD 2-19=-85/283, 18-19=-85/283, 16-17=-2069/118, 5-16=-1667/88, 15-16=-575/114, 13-14=-61/1144, 12-13=-60/1749
WEBS 3-18=-394/36, 4-18=0/381, 4-16=-565/70, 5-15=-11/1309, 6-15=-833/83, 6-14=-26/859, 8-14=-699/86, 8-13=0/542, 9-13=-743/44, 9-12=-579/94, 10-12=-34/1846

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2R) 23-0-12 to 26-11-9, Interior(1) 26-11-9 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

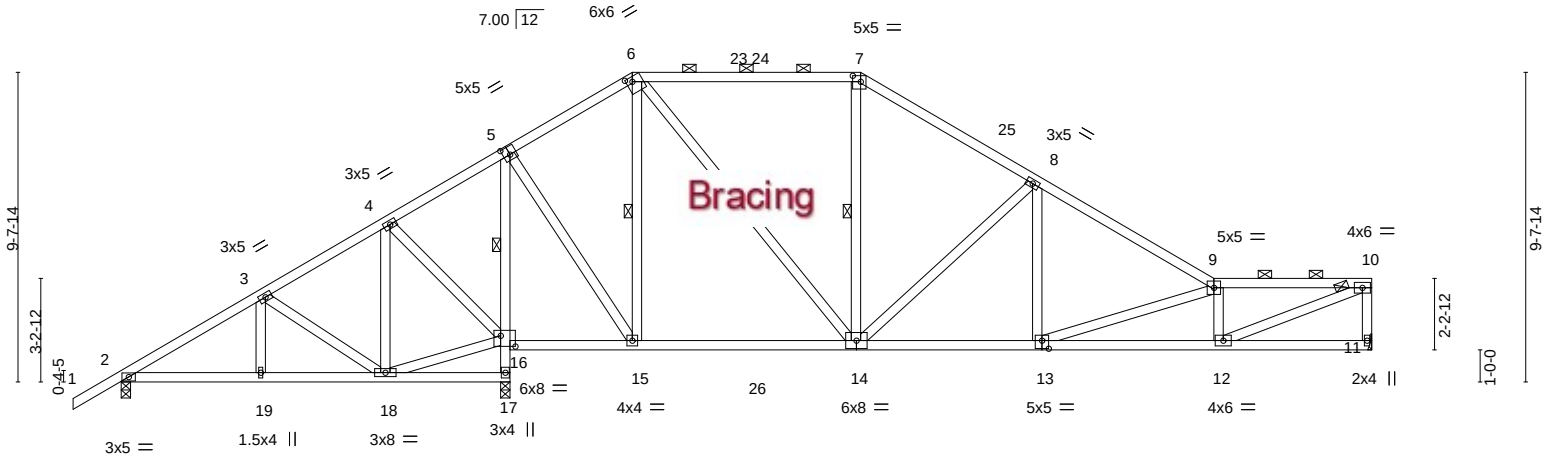
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A22	Piggyback Base	1	1	T31941763
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:32 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-btEh?rJ4kkGPrIjqWHbyU1soFxkYV8ZDdba4aoyPvrj

-1-6-0	4-4-3	8-2-14	12-1-8	15-11-4	23-0-12	28-6-13	34-0-15	39-0-0
1-6-0	4-4-3	3-10-10	3-10-10	3-9-12	7-1-7	5-6-2	5-6-2	4-11-1

Scale = 1:71.9



4-4-3	8-2-14	11-11-12	12-1-8	15-11-4	23-0-12	28-6-13	34-0-15	39-0-0
4-4-3	3-10-10	3-8-14	0-1-12	3-9-12	7-1-7	5-6-2	5-6-2	4-11-1

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-2-4,0-1-12], [7:0-3-0,0-2-4], [13:0-2-8,0-3-0], [16:0-5-8,0-4-0]

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)	-0.14	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.27	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 253 lb	FT = 20%

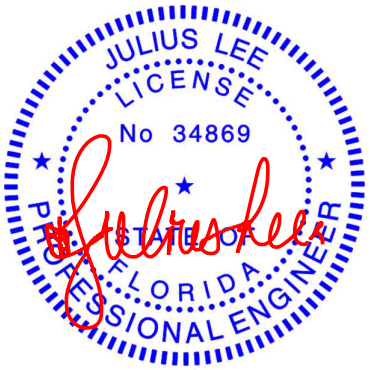
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-10-13 max.): 6-7, 9-10.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 5-16
WEBS 1 Row at midpt 6-15, 7-14

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 17=0-3-8
Max Horz 2=196(LC 11)
Max Uplift 2=-125(LC 12), 17=-124(LC 12)
Max Grav 11=1071(LC 18), 2=401(LC 23), 17=2111(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-339/276, 3-4=-31/336, 4-5=-85/718, 5-6=-274/68, 6-7=-740/117, 7-8=-913/99, 8-9=-1562/65, 9-10=-2154/36, 10-11=-990/28
BOT CHORD 2-19=-273/248, 18-19=-273/248, 16-17=-2051/325, 5-16=-1727/131, 15-16=-638/172, 13-14=-13/1242, 12-13=-16/2173
WEBS 3-18=-354/212, 4-18=-219/394, 16-18=-328/11, 4-16=-548/279, 5-15=-48/1378, 6-15=-862/123, 6-14=-57/848, 8-14=-789/82, 8-13=0/518, 9-13=-974/38, 9-12=-678/75, 10-12=-2/2238

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2R) 23-0-12 to 26-11-9, Interior(1) 26-11-9 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) The Fabrication Tolerance at joint 6 = 16%
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) Refer to girder(s) for truss to truss connections.
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, 17=124.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

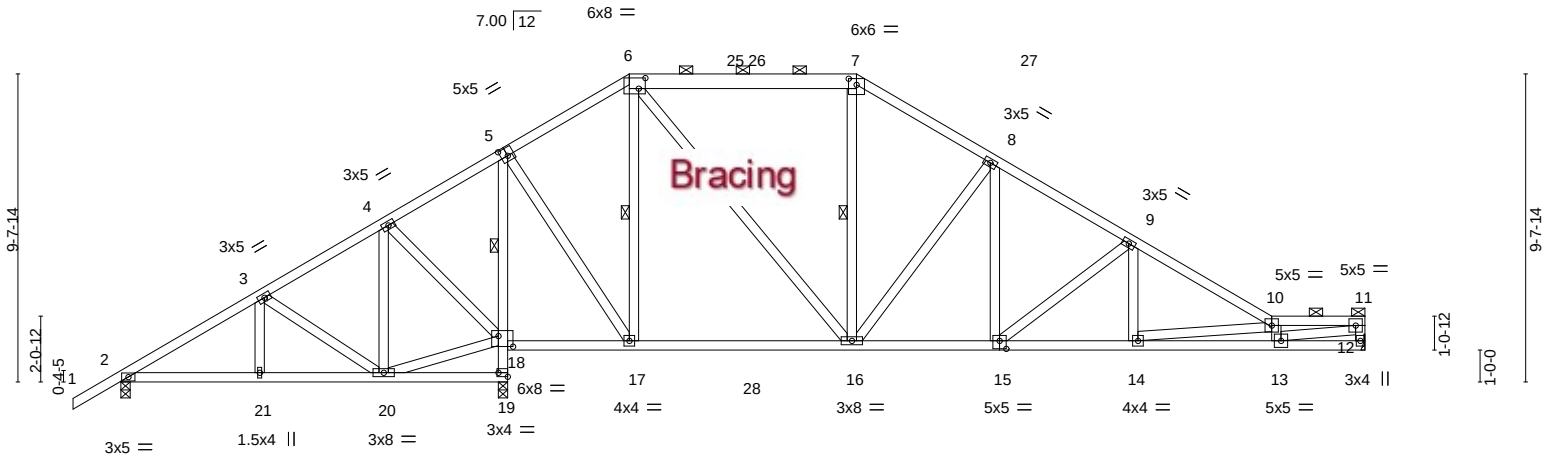
Date: October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A23	Piggyback Base	1	1	T31941764
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:34 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-XFMRQXKKGLW75btCeidQaSyDwkN1z5OW5v3BehyPvrh

1-6-0	4-4-3	8-2-14	12-1-8	15-11-4	23-0-12	27-4-13	31-8-14	36-0-15	39-0-0
1-6-0	4-4-3	3-10-10	3-10-10	3-9-12	7-1-7	4-4-1	4-4-1	4-4-1	2-11-1

Scale = 1:72.2



4-4-3	8-2-14	11-11-12	12-1-8	15-11-4	23-0-12	27-4-13	31-8-14	36-0-15	39-0-0
4-4-3	3-10-10	3-8-14	0-1-12	3-9-12	7-1-7	4-4-1	4-4-1	4-4-1	2-11-1

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [6:0-2-8,0-4-0], [7:0-3-0,0-2-5], [15:0-2-8,0-3-0], [18:0-5-8,0-4-0], [19:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.14	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.26	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 262 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 6-7: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-4-9 max.): 6-7, 10-11.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 5-18
WEBS 1 Row at midpt 6-17, 7-16

REACTIONS. (size) 12=Mechanical, 2=0-3-8, 19=0-3-8
Max Horz 2=182(LC 11)
Max Uplift 2=-128(LC 12), 19=-121(LC 12)
Max Grav 12=1035(LC 18), 2=349(LC 23), 19=2252(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-239/348, 3-4=0/528, 4-5=-65/945, 6-7=-663/108, 7-8=-805/95, 8-9=-1298/73, 9-10=-1913/36, 10-11=-2906/28, 11-12=-903/17
BOT CHORD 2-21=-300/161, 20-21=-300/161, 18-19=-2193/310, 5-18=-1879/126, 17-18=-841/166, 15-16=0/1014, 14-15=0/1616, 13-14=-18/3041, 12-13=-9/257
WEBS 3-20=-358/212, 4-20=-219/443, 18-20=-489/2, 4-18=-592/278, 5-17=-43/1514, 6-17=-976/104, 6-16=-45/948, 8-16=-691/81, 8-15=0/561, 9-15=-746/42, 9-14=0/477, 10-14=-1447/47, 10-13=-798/52, 11-13=-13/2747

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-11-4, Exterior(2R) 15-11-4 to 19-10-1, Interior(1) 19-10-1 to 23-0-12, Exterior(2R) 23-0-12 to 26-11-9, Interior(1) 26-11-9 to 38-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=128, 19=121.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A24	Piggyback Base	1	1	T31941765
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:35 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-?SwpdtLy1fe_ilRPCP9f6fUIu8m5iZLfJZpkB7yPvrg

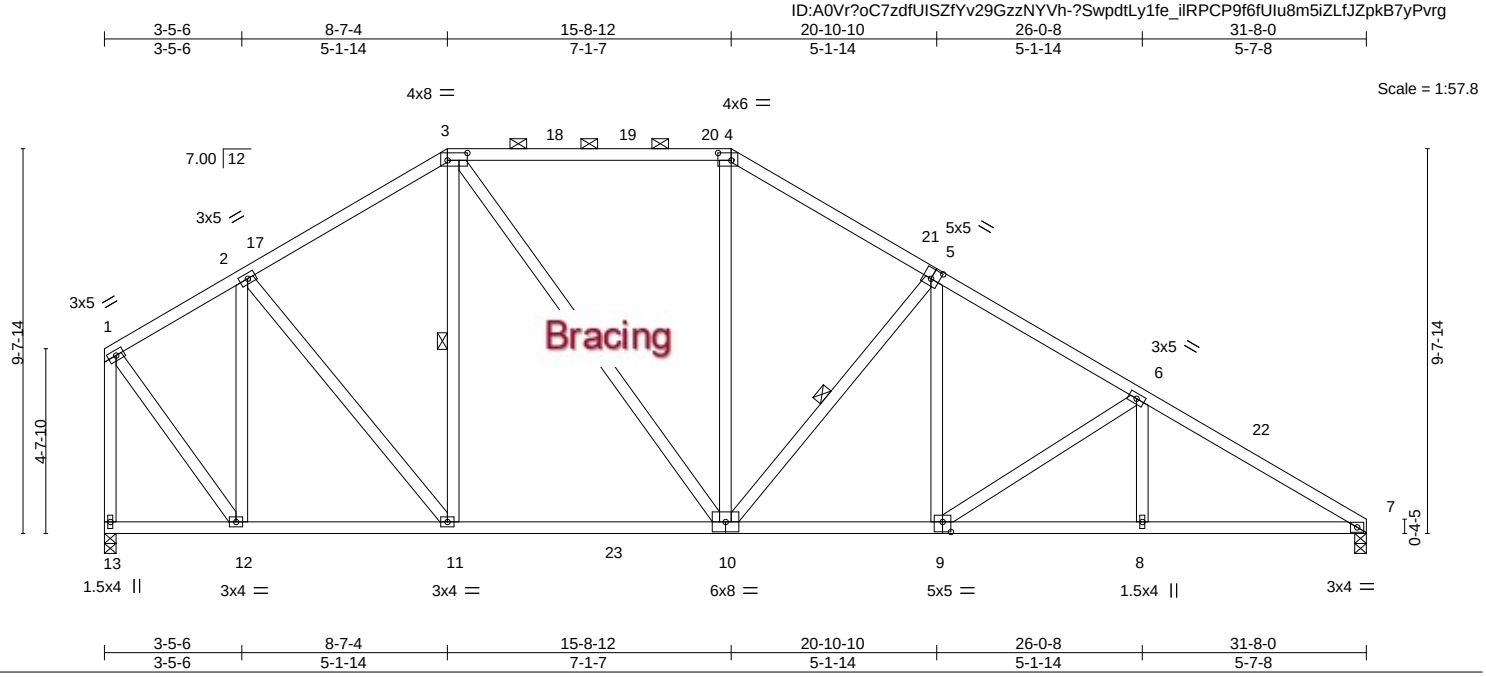


Plate Offsets (X,Y)-- [3:0-6-0,0-2-4], [4:0-4-0,0-2-4], [5:0-2-8,0-3-0], [9:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.15	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.28	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 213 lb	FT = 20%

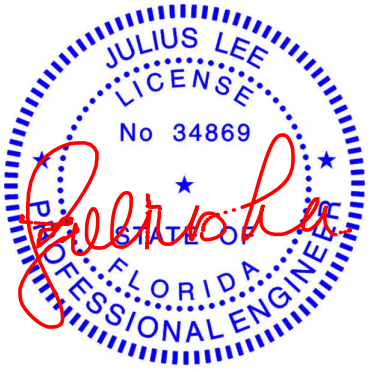
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-1-9 max.): 3-4.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-11, 5-10

REACTIONS. (size) 13=0-3-8, 7=0-3-8
Max Horz 13=-220(LC 10)
Max Uplift 13=-1(LC 12)
Max Grav 13=1390(LC 19), 7=1418(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-834/68, 2-3=-1187/97, 3-4=-1214/114, 4-5=-1425/102, 5-6=-1924/62, 6-7=-2403/24, 1-13=-1333/23
BOT CHORD 11-12=0/777, 10-11=0/1041, 9-10=0/1541, 8-9=0/2032, 7-8=0/2032
WEBS 2-12=-766/62, 2-11=0/515, 3-10=-31/430, 4-10=0/362, 5-10=-624/51, 5-9=0/479, 6-9=-570/55, 1-12=-8/1102

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-5-6, Interior(1) 3-5-6 to 8-7-4, Exterior(2R) 8-7-4 to 13-1-0, Interior(1) 13-1-0 to 15-8-12, Exterior(2R) 15-8-12 to 20-2-8, Interior(1) 20-2-8 to 31-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

October 25,2023

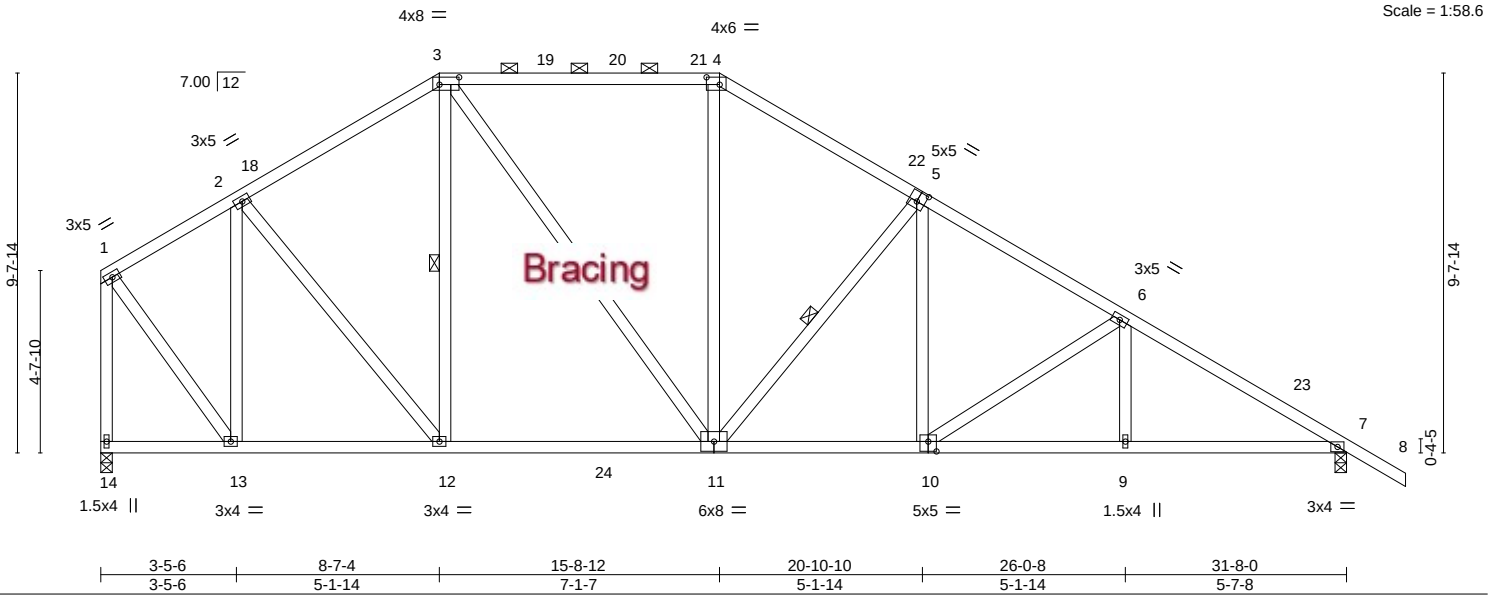
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A25	Piggyback Base	3	1	T31941766
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:37 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-yq1a2YNCZGuiy3bnJqB7B4aeOyRZATsyntIrF0yPvre

3-5-6	8-7-4	15-8-12	20-10-10	26-0-8	31-8-0	33-2-0
3-5-6	5-1-14	7-1-7	5-1-14	5-1-14	5-7-8	1-6-0

Scale = 1:58.6



3-5-6	8-7-4	15-8-12	20-10-10	26-0-8	31-8-0
3-5-6	5-1-14	7-1-7	5-1-14	5-1-14	5-7-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.15	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.28	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 215 lb	FT = 20%

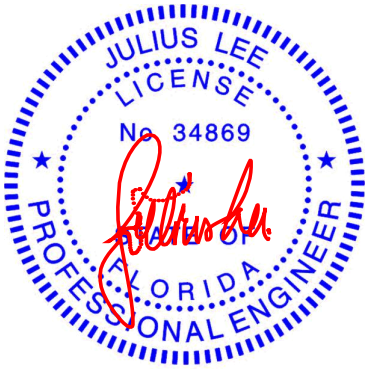
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-1-11 max.): 3-4.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-12, 5-11

REACTIONS. (size) 14=0-3-8, 7=0-3-8
Max Horz 14=-231(LC 10)
Max Uplift 7=-36(LC 12)
Max Grav 14=1388(LC 19), 7=1501(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-833/66, 2-3=-1185/96, 3-4=-1211/112, 4-5=-1422/99, 5-6=-1916/56, 6-7=-2397/11, 1-14=-1332/22
BOT CHORD 12-13=0/785, 11-12=0/1048, 10-11=0/1533, 9-10=0/2009, 7-9=0/2009
WEBS 2-13=-765/62, 2-12=0/513, 3-11=-31/427, 4-11=0/361, 5-11=-620/47, 5-10=0/472, 6-10=-554/45, 1-13=-8/1100

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-5-6, Interior(1) 3-5-6 to 8-7-4, Exterior(2R) 8-7-4 to 13-1-0, Interior(1) 13-1-0 to 15-8-12, Exterior(2R) 15-8-12 to 20-2-8, Interior(1) 20-2-8 to 33-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A26	Hip	1	1	T31941767
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:38 2023 Page 1
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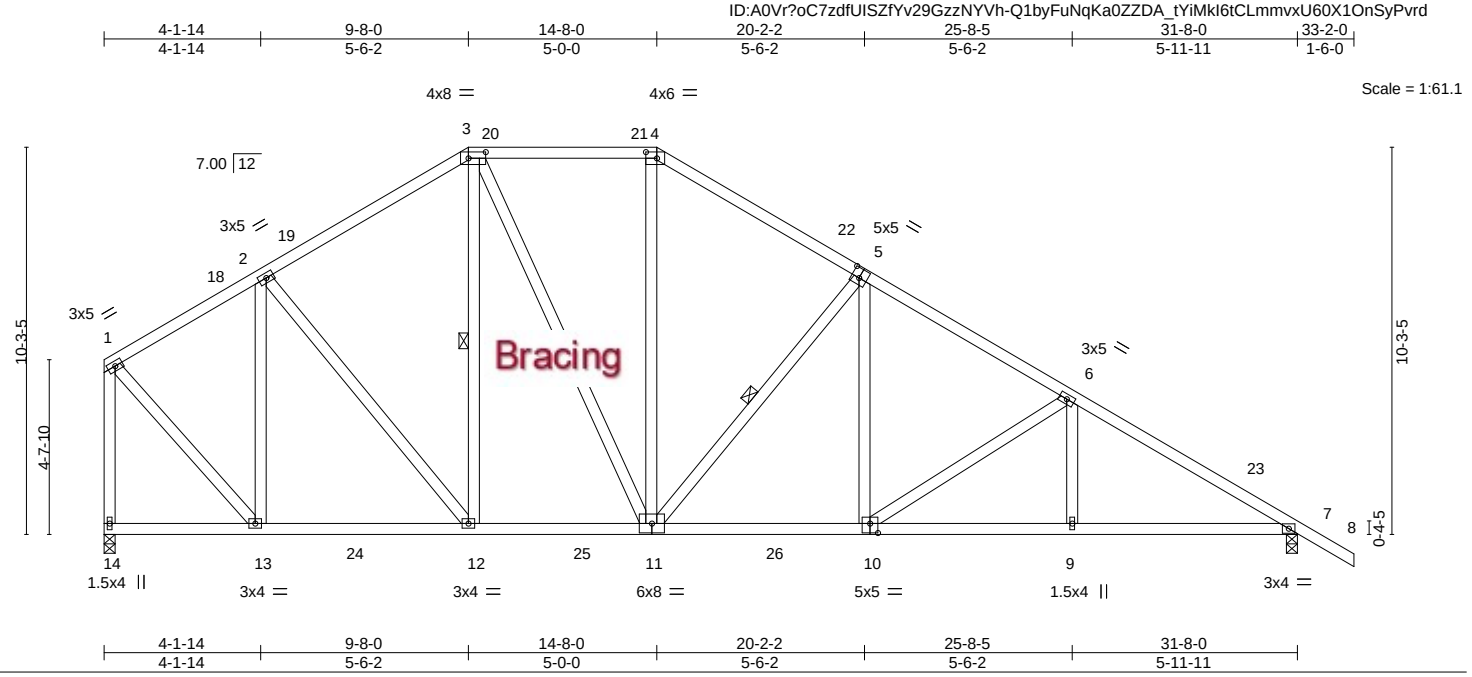

Plate Offsets (X,Y)-- [3:0-5-8,0-2-0], [4:0-3-8,0-2-0], [5:0-2-8,0-3-0], [10:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.15	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.28	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 221 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-12, 5-11

REACTIONS. (size) 14=0-3-8, 7=0-3-8
Max Horz 14=-242(LC 10)
Max Uplift 7=-36(LC 12)
Max Grav 14=1422(LC 19), 7=1523(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-958/67, 2-3=-1205/106, 3-4=-1147/118, 4-5=-1356/106, 5-6=-1905/61, 6-7=-2425/14, 1-14=-1365/22
BOT CHORD 12-13=0/895, 11-12=0/1056, 10-11=0/1530, 9-10=0/2031, 7-9=0/2031
WEBS 2-13=-640/73, 2-12=-2/364, 3-11=-41/411, 4-11=0/386, 5-11=-698/53, 5-10=0/535, 6-10=-599/49, 6-9=0/258, 1-13=-5/1141

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-3-12, Interior(1) 3-3-12 to 9-8-0, Exterior(2R) 9-8-0 to 14-1-12, Interior(1) 14-1-12 to 14-8-0, Exterior(2R) 14-8-0 to 19-1-12, Interior(1) 19-1-12 to 33-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A27	Hip	1	1	T31941768
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:40 2023 Page 1
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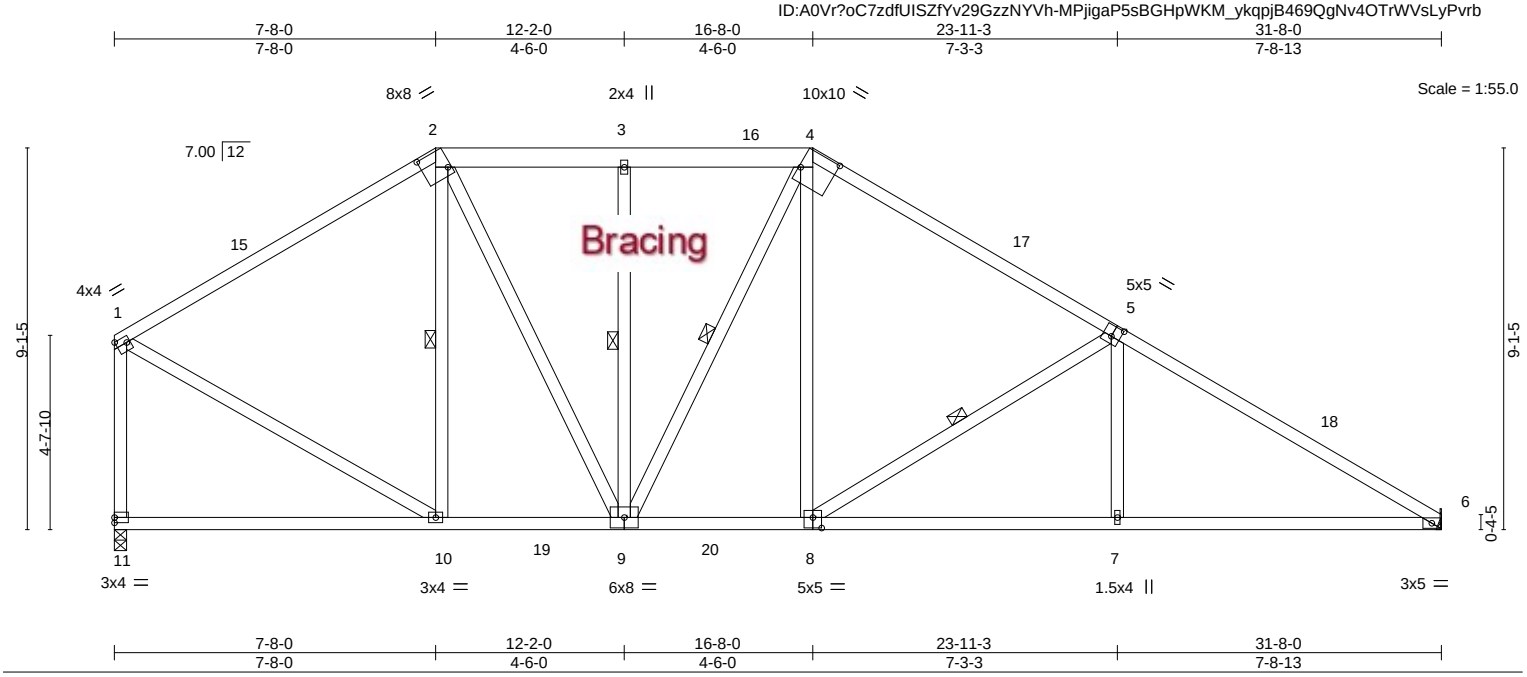


Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-7-0,0-5-12], [4:0-9-8,0-6-0], [5:0-2-8,0-3-0], [8:0-2-8,0-3-0]

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	0.97	Vert(LL)	-0.16	7-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.30	7-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 210 lb	FT = 20%

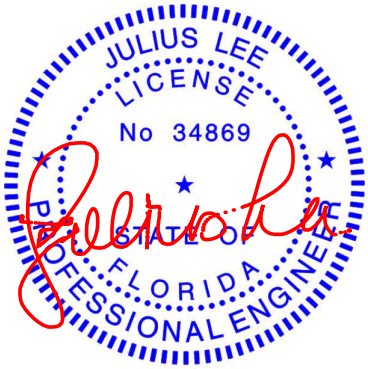
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
2-4: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-10, 3-9, 4-9, 5-8

REACTIONS. (size) 11=0-3-8, 6=Mechanical
Max Horz 11=-210(LC 10)
Max Uplift 11=-1(LC 12)
Max Grav 11=1395(LC 19), 6=1427(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1213/81, 2-3=-1211/101, 3-4=-1211/101, 4-5=-1563/87, 5-6=-2268/0, 1-11=-1268/44
BOT CHORD 9-10=0/1036, 8-9=0/1297, 7-8=0/1852, 6-7=0/1858
WEBS 2-10=-326/93, 2-9=-18/582, 4-8=0/578, 5-8=-708/36, 5-7=0/361, 1-10=-0/1083

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-3-12, Interior(1) 3-3-12 to 7-8-0, Exterior(2R) 7-8-0 to 12-2-0, Interior(1) 12-2-0 to 16-8-0, Exterior(2R) 16-8-0 to 21-1-12, Interior(1) 21-1-12 to 31-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

October 25,2023

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

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A28	Hip	1	1	T31941769
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:41 2023 Page 1
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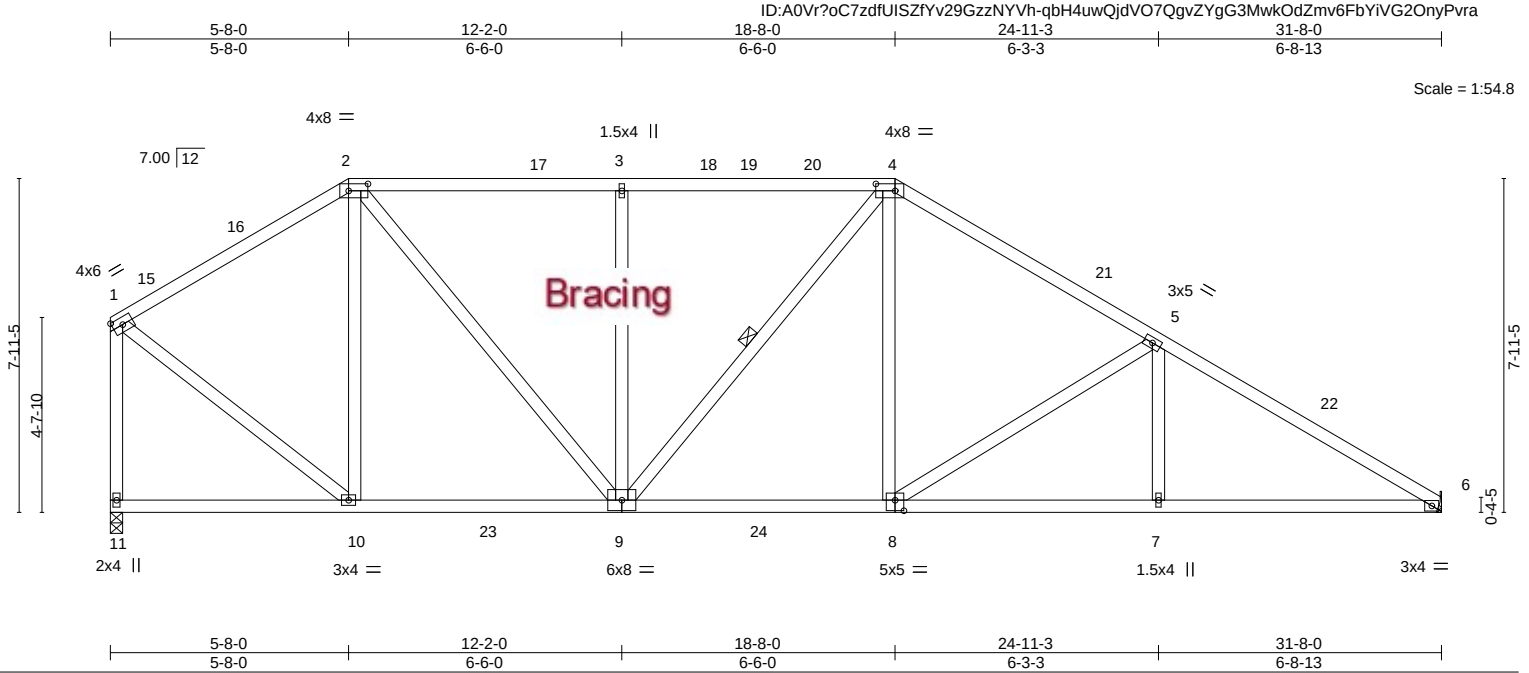


Plate Offsets (X,Y)-- [2:0-5-8,0-2-0], [4:0-5-8,0-2-0], [8:0-2-8,0-3-0]

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	0.41	Vert(LL)	-0.20	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.37	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 193 lb	FT = 20%

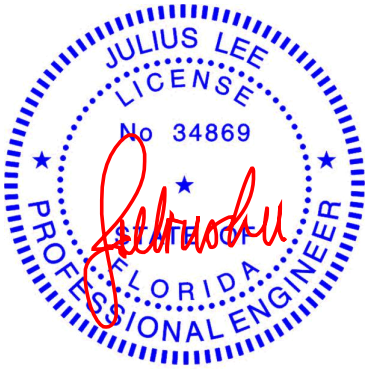
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-9

REACTIONS. (size) 6=Mechanical, 11=0-3-8
Max Horz 11=-190(LC 10)
Max Uplift 11=-1(LC 12)
Max Grav 6=1436(LC 18), 11=1409(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1119/71, 2-3=-1415/94, 3-4=-1415/94, 4-5=-1775/80, 5-6=-2375/27, 1-11=-1332/30
BOT CHORD 9-10=0/960, 8-9=0/1433, 7-8=0/1998, 6-7=0/1998
WEBS 2-10=-454/91, 2-9=-14/838, 3-9=-433/80, 4-8=0/603, 5-8=-691/57, 5-7=0/304, 1-10=0/1128

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-3-12, Interior(1) 3-3-12 to 5-8-0, Exterior(2R) 5-8-0 to 10-1-12, Interior(1) 10-1-12 to 18-8-0, Exterior(2R) 18-8-0 to 23-1-12, Interior(1) 23-1-12 to 31-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

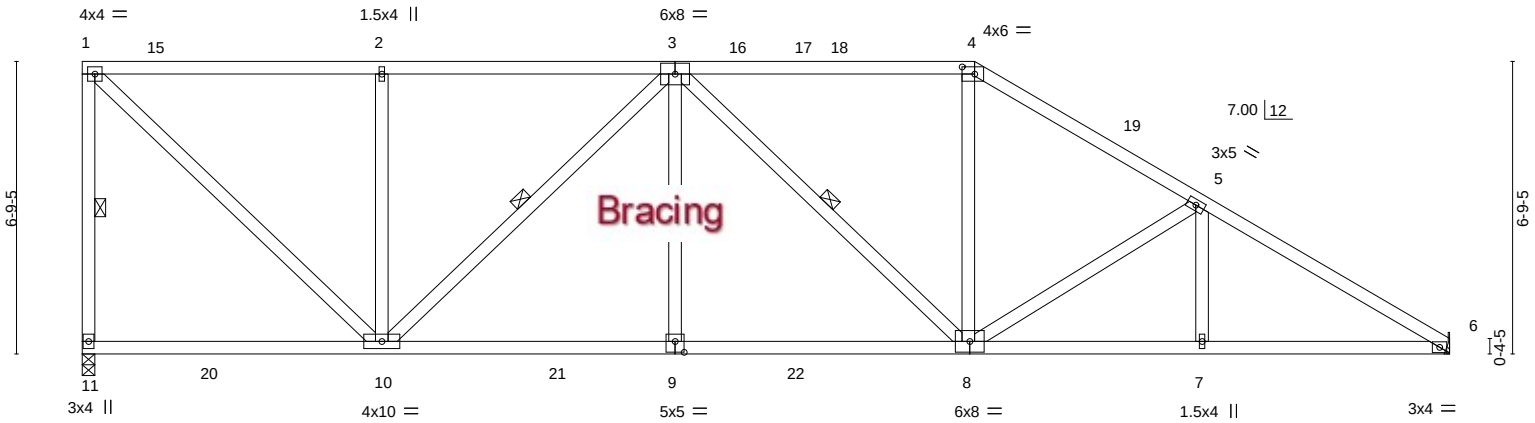
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A29	Roof Special	1	1	T31941770
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:43 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-m_PrJcRz86erg_3xg5IXRLpeGMQRaDbr9pl9TfyPvrY

6-11-4	13-8-12	20-8-0	25-11-3	31-8-0
6-11-4	6-9-8	6-11-4	5-3-3	5-8-13

Scale = 1:53.4



6-11-4	13-8-12	20-8-0	25-11-3	31-8-0
6-11-4	6-9-8	6-11-4	5-3-3	5-8-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	-0.23	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.44	8-9	>865	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.07	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 188 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-11, 3-10, 3-8

REACTIONS. (size) 11=0-3-8, 6=Mechanical
Max Horz 11=-195(LC 10)
Max Uplift 11=-2(LC 12)
Max Grav 11=1454(LC 18), 6=1436(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-1320/76, 1-2=-1259/116, 2-3=-1259/116, 3-4=-1629/127, 4-5=-1930/120, 5-6=-2424/75
BOT CHORD 9-10=0/1736, 8-9=0/1736, 7-8=-8/2045, 6-7=-8/2045
WEBS 1-10=-70/1706, 2-10=-490/115, 3-10=-674/59, 3-9=0/325, 4-8=0/593, 5-8=-557/58, 5-7=0/256

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-3-12, Interior(1) 3-3-12 to 20-8-0, Exterior(2R) 20-8-0 to 23-10-0, Interior(1) 23-10-0 to 31-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

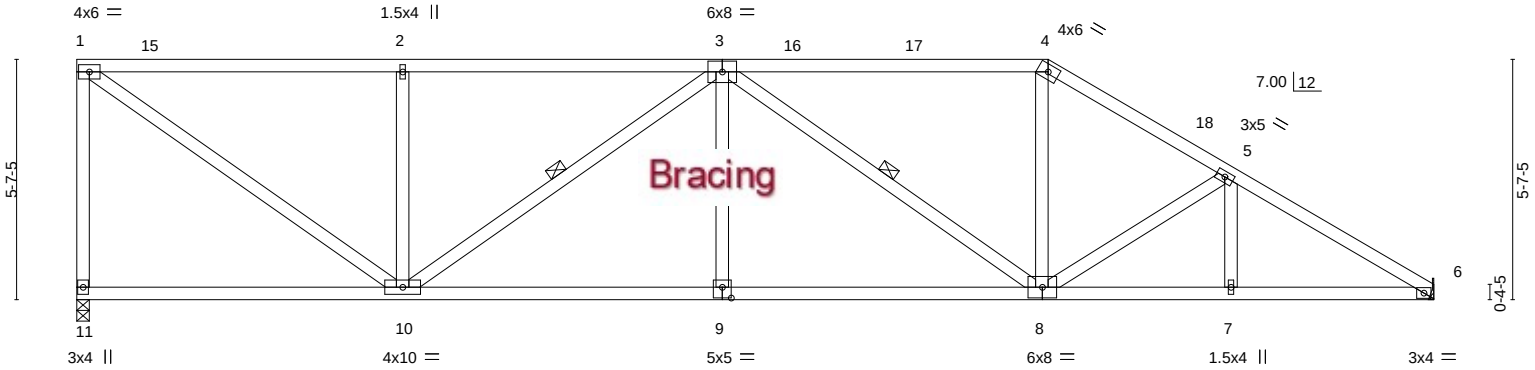
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A30	Roof Special	1	1	T31941771
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:44 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-EAzDWxSbvQniH8d7DopmzZMqPmlqJgk_OTUj?6yPvrX

7-7-4	15-0-12	22-8-0	26-11-3	31-8-0
7-7-4	7-5-8	7-7-4	4-3-3	4-8-13

Scale = 1:53.8



7-7-4	15-0-12	22-8-0	26-11-3	31-8-0
7-7-4	7-5-8	7-7-4	4-3-3	4-8-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.23	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.51	8-9	>737	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.07	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 177 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	3-4: 2x4 SP No.1
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-10, 3-8

REACTIONS. (size) 11=0-3-8, 6=Mechanical
Max Horz 11=-160(LC 10)
Max Uplift 11=-1(LC 12)
Max Grav 11=1261(LC 1), 6=1261(LC 1)

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

TOP CHORD	1-11=-1194/72, 1-2=-1443/104, 2-3=-1443/104, 3-4=-1571/115, 4-5=-1855/109, 5-6=-2191/70
BOT CHORD	9-10=0/1863, 8-9=0/1863, 7-8=-13/1838, 6-7=-13/1838
WEBS	1-10=-64/1735, 2-10=-535/121, 3-10=-517/49, 3-9=0/265, 3-8=-359/0, 4-8=0/536, 5-8=-341/45

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-3-12, Interior(1) 3-3-12 to 22-8-0, Exterior(2R) 22-8-0 to 25-10-0, Interior(1) 25-10-0 to 31-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

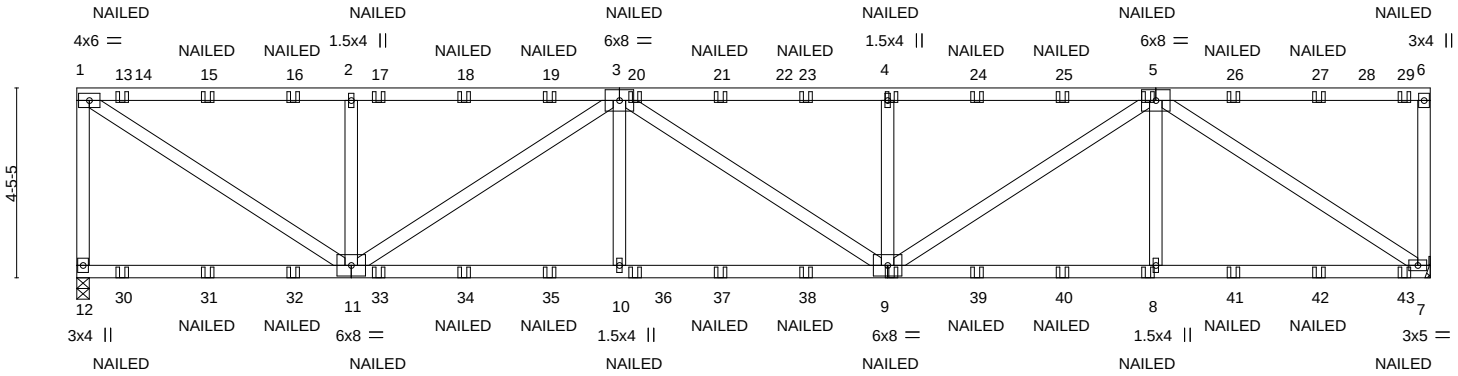
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	A31	Flat Girder	1	2	T31941772
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:48 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-7yCkMJV6zeH8mlxvSeui8PXVqN94FO_aJ5Sw8tyPvrT

6-5-1	12-8-6	18-11-10	25-2-15	31-8-0
6-5-1	6-3-5	6-3-5	6-3-5	6-5-1

Scale = 1:53.9



6-5-1	12-8-6	18-11-10	25-2-15	31-8-0
6-5-1	6-3-5	6-3-5	6-3-5	6-5-1

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.80	Vert(LL)	-0.15	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.34	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.82	Horz(CT)	0.09	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 363 lb	FT = 20%

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

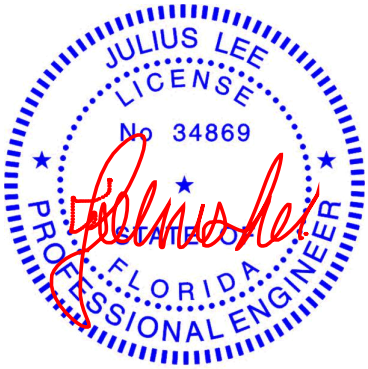
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 12=0-3-8, 7=Mechanical
Max Horz 12=-116(LC 6)
Max Uplift 12=-385(LC 8), 7=-397(LC 8)
Max Grav 12=2738(LC 1), 7=2801(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-2556/475, 1-2=-3433/561, 2-3=-3433/561, 3-4=-5086/792, 4-5=-5086/792, 6-7=-469/196
BOT CHORD 10-11=-650/5004, 9-10=-650/5004, 8-9=-446/3353, 7-8=-446/3353
WEBS 1-11=-622/4041, 2-11=-923/385, 3-11=-1884/174, 3-10=0/636, 4-9=-943/388, 5-9=-376/2077, 5-8=0/613, 5-7=-3928/503

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=385, 7=397.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25



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Date:

October 25,2023

Continued on page 2

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-6=-60, 7-12=-20

Concentrated Loads (lb)

Vert: 9=-62(F) 4=-126(F) 5=-126(F) 8=-62(F) 13=-128(F) 15=-126(F) 16=-126(F) 17=-126(F) 18=-126(F) 19=-126(F) 20=-126(F) 21=-126(F) 23=-126(F) 24=-126(F) 25=-126(F) 26=-126(F) 27=-126(F) 29=-142(F) 30=-63(F) 31=-62(F) 32=-62(F) 33=-62(F) 34=-62(F) 35=-62(F) 36=-62(F) 37=-62(F) 38=-62(F) 39=-62(F) 40=-62(F) 41=-62(F) 42=-62(F) 43=-68(F)

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	B01GE	Common Supported Gable	1	1	T31941773
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:50 2023 Page 1
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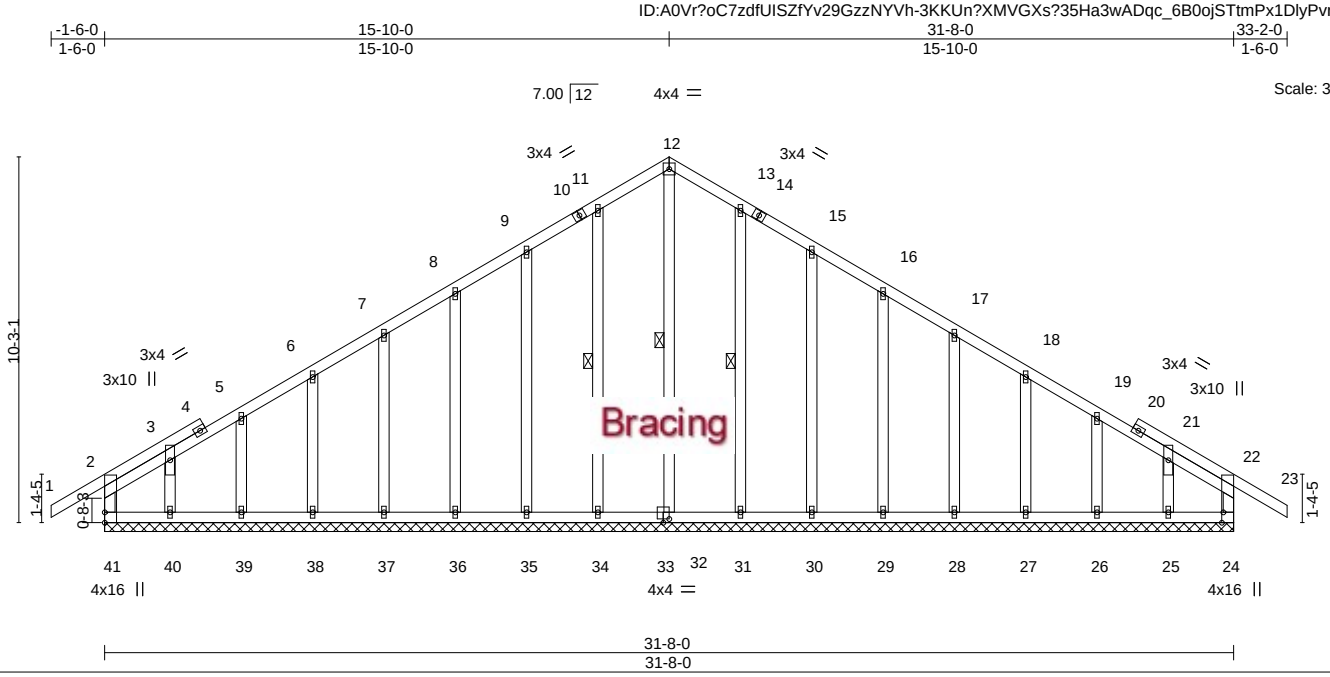


Plate Offsets (X,Y)-- [24:0-3-8,Edge], [33:0-2-0,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	-0.01	23	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	23	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.00	24	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-R							Weight: 238 lb	FT = 20%

LUMBER-

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

BRACING-

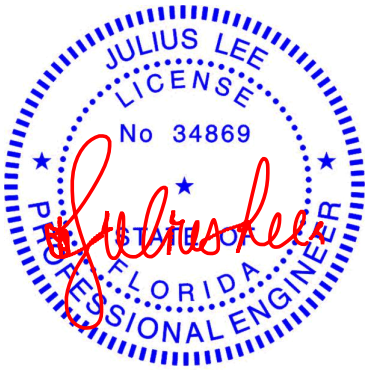
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 12-32, 11-34, 13-31

REACTIONS. All bearings 31-8-0.
(lb) - Max Horz 41=-199(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 41, 24, 34, 35, 36, 37, 38, 39, 40, 31, 30, 29, 28, 27, 26, 25
Max Grav All reactions 250 lb or less at joint(s) 41, 24, 32, 34, 35, 36, 37, 38, 39, 40, 31, 30, 29, 28, 27, 26, 25

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-152/266, 12-13=-152/266

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-0 to 1-10-0, Exterior(2N) 1-10-0 to 15-10-0, Corner(3R) 15-10-0 to 19-0-0, Exterior(2N) 19-0-0 to 33-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 41, 24, 34, 35, 36, 37, 38, 39, 40, 31, 30, 29, 28, 27, 26, 25.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 25,2023

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Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	B02	Common	5	1	T31941774
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:52 2023 Page 1
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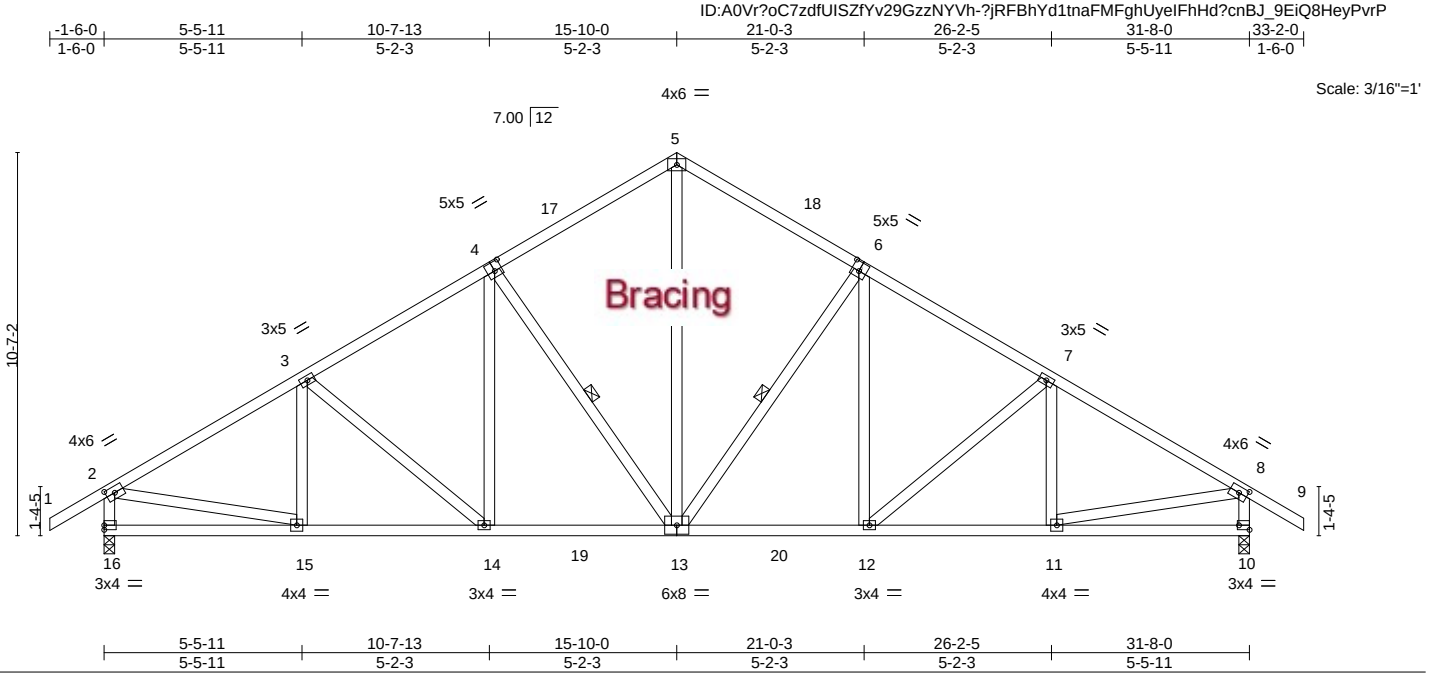


Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [4:0-2-8,0-3-0], [6:0-2-8,0-3-0], [8:0-2-14,0-2-0], [10:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.10	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.18	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 217 lb	FT = 20%

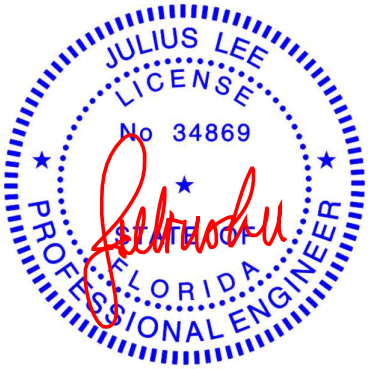
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-13, 4-13

REACTIONS. (size) 16=0-3-8, 10=0-3-8
Max Horz 16=-209(LC 10)
Max Uplift 16=-187(LC 12), 10=-187(LC 12)
Max Grav 16=1603(LC 17), 10=1603(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1944/256, 3-4=-1791/293, 4-5=-1417/319, 5-6=-1417/319, 6-7=-1791/293, 7-8=-1944/256, 2-16=-1506/248, 8-10=-1505/248
BOT CHORD 15-16=-123/289, 14-15=-141/1729, 13-14=-54/1533, 12-13=-49/1462, 11-12=-128/1592
WEBS 5-13=-152/1030, 6-13=-594/128, 6-12=-2/396, 4-13=-594/128, 4-14=-2/396, 2-15=-127/1479, 8-11=-128/1479

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Part. Encl., GCpi=0.55; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-8-0, Interior(1) 1-8-0 to 15-10-0, Exterior(2R) 15-10-0 to 19-0-0, Interior(1) 19-0-0 to 33-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=187, 10=187.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

October 25,2023

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Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	B03GIR	Common Girder	1	3	T31941775
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:55 2023 Page 1
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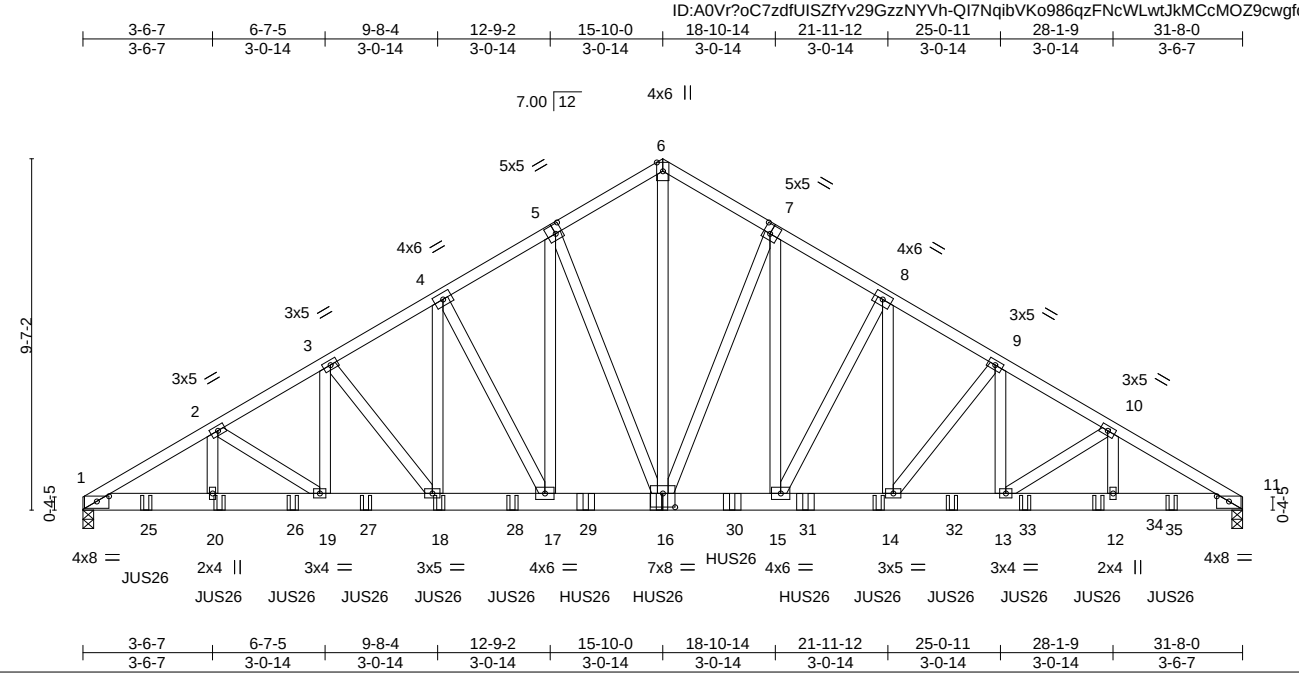


Plate Offsets (X,Y)-- [1:0-4-0,0-1-11], [5:0-2-4,0-3-0], [7:0-2-4,0-3-0], [11:0-4-0,0-1-11], [16:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.24	15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.44	15	>862	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 774 lb	FT = 20%

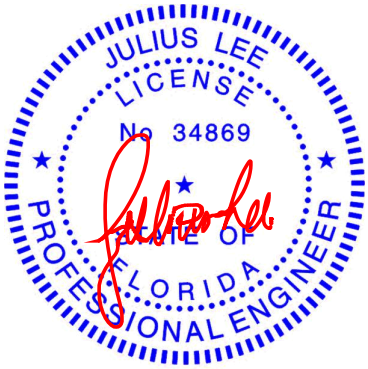
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8 (req. 0-3-10), 11=0-3-8 (req. 0-3-10)
Max Horz 1=162(LC 7)
Max Grav 1=9203(LC 2), 11=9180(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-17053/0, 2-3=-15443/0, 3-4=-13636/0, 4-5=-11788/0, 5-6=-9898/0, 6-7=-9898/0, 7-8=-11824/0, 8-9=-13715/0, 9-10=-15598/0, 10-11=-17171/0
BOT CHORD 1-20=0/14716, 19-20=0/14716, 18-19=0/13326, 17-18=0/11751, 16-17=0/10110, 15-16=0/10140, 14-15=0/11819, 13-14=0/13461, 12-13=0/14814, 11-12=0/14814
WEBS 6-16=0/9716, 7-16=-4267/0, 7-15=0/4808, 8-15=-3397/0, 8-14=0/3780, 9-14=-2618/0, 9-13=0/2809, 10-13=-1625/0, 10-12=0/1555, 5-16=-4188/0, 5-17=0/4716, 4-17=-3320/0, 4-18=0/3691, 3-18=-2510/0, 3-19=0/2688, 2-19=-1669/0, 2-20=0/1591

NOTES-
1) 3-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 0-6-0 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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) WARNING: Required bearing size at joint(s) 1, 11 greater than input bearing size.
9) Use MiTek JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 10-0-0 oc max. starting at 1-8-12 from the left end to 29-8-12 to connect truss(es) to back face of bottom chord.
10) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 13-8-12 from the left end to 19-8-12 to connect truss(es) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: October 25,2023

LOAD CASE(S) Standard

Continued on page 2

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

LOAD CASE(S) Standard

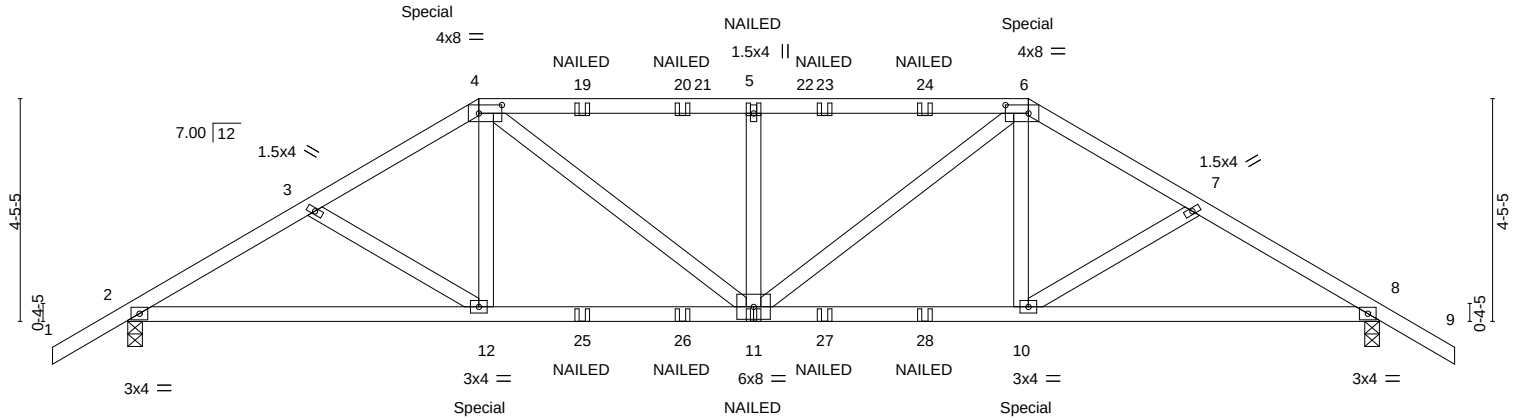
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-60, 6-11=-60, 1-11=-20
   Concentrated Loads (lb)
   Vert: 16=-1023(B) 14=-1002(B) 18=-997(B) 20=-936(B) 25=-896(B) 26=-953(B) 27=-987(B) 28=-1006(B) 29=-1015(B) 30=-1023(B) 31=-1009(B) 32=-993(B) 33=-981(B) 34=-947(B) 35=-922(B)

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	C01GIR	Hip Girder	1	2	T31941776
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:58 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-qtpWSkdNcjXjzHiq2k32YWxIqPeZb4e2ceuSVIyPvrJ

-1-6-0	3-8-13	7-0-0	12-5-12	17-11-8	21-2-11	24-11-8	26-5-8
1-6-0	3-8-13	3-3-3	5-5-12	5-5-12	3-3-3	3-8-13	1-6-0

Scale = 1:45.9



7-0-0	12-5-12	17-11-8	24-11-8
7-0-0	5-5-12	5-5-12	7-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.08	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.18	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 262 lb	FT = 20%

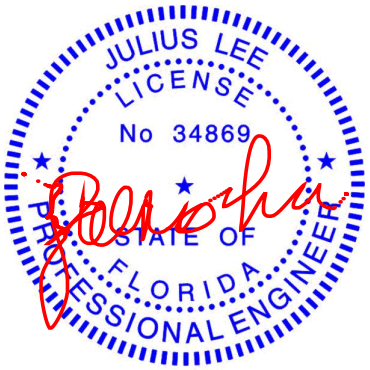
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=86(LC 7)
Max Uplift 2=-386(LC 8), 8=-386(LC 8)
Max Grav 2=2112(LC 29), 8=2112(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3651/663, 3-4=-3476/646, 4-5=-3733/753, 5-6=-3733/753, 6-7=-3476/646, 7-8=-3652/663
BOT CHORD 2-12=-486/3155, 11-12=-429/3020, 10-11=-415/2987, 8-10=-486/3090
WEBS 3-12=-262/162, 4-12=0/742, 4-11=-218/953, 5-11=-841/381, 6-11=-218/953, 6-10=0/742, 7-10=-262/162

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Part. Encl., GCpi=0.55; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=386, 8=386.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 297 lb down and 238 lb up at 7-0-0, and 297 lb down and 238 lb up at 17-11-8 on top chord, and 362 lb down and 49 lb up at 7-0-0, and 362 lb down and 49 lb up at 17-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



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

October 25,2023

LOAD CASE(S) Standard

Continued on page 2

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

LOAD CASE(S) Standard

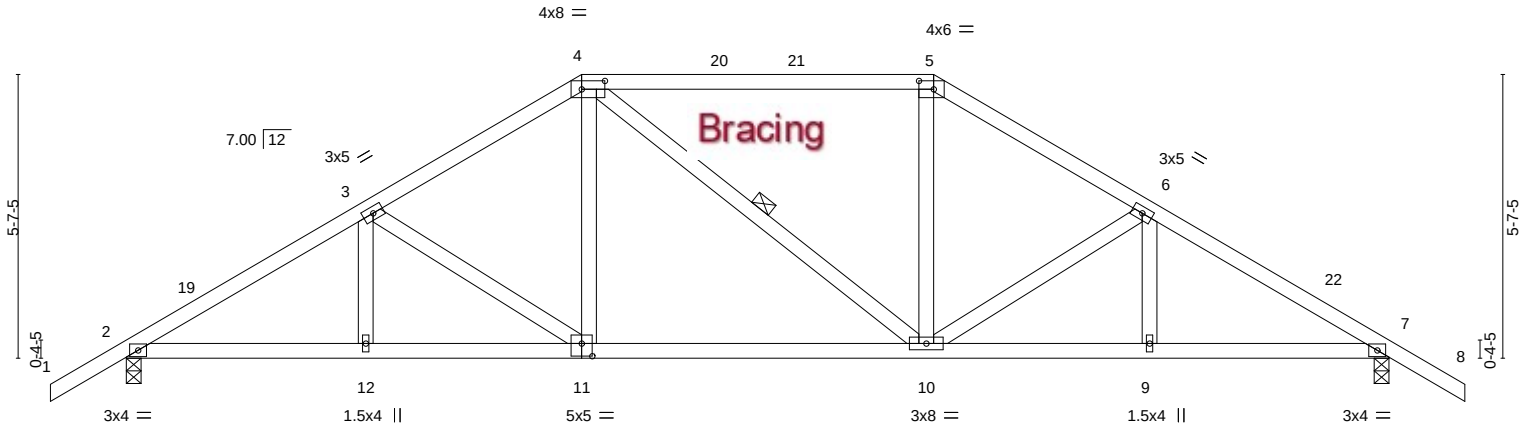
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-6=-60, 6-9=-60, 13-16=-20
   Concentrated Loads (lb)
   Vert: 4=-186(B) 6=-186(B) 12=-355(B) 11=-62(B) 5=-126(B) 10=-355(B) 19=-126(B) 20=-126(B) 23=-126(B) 24=-126(B) 25=-62(B) 26=-62(B) 27=-62(B) 28=-62(B)

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	C02	Hip	1	1	T31941777
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:28:59 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-I3Nug4e0N1fabRH0cSaH4jUR4p_IKWqBrId?1kyPvrI

-1-6-0	4-8-13	9-0-0	15-11-8	20-2-11	24-11-8	26-5-8
1-6-0	4-8-13	4-3-3	6-11-8	4-3-3	4-8-13	1-6-0

Scale = 1:45.5



4-8-13	9-0-0	15-11-8	20-2-11	24-11-8
4-8-13	4-3-3	6-11-8	4-3-3	4-8-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.10	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.23	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 133 lb	FT = 20%

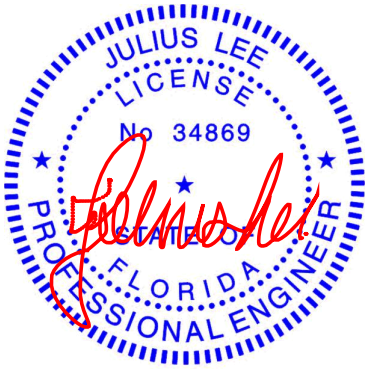
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-10

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=107(LC 11)
Max Uplift 2=-154(LC 12), 7=-154(LC 12)
Max Grav 2=1088(LC 1), 7=1088(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1656/196, 3-4=-1327/216, 4-5=-1117/207, 5-6=-1338/204, 6-7=-1647/202
BOT CHORD 2-12=-103/1425, 11-12=-103/1425, 10-11=-34/1105, 9-10=-106/1369, 7-9=-106/1369
WEBS 3-11=-383/82, 4-11=0/333, 5-10=0/377, 6-10=-362/98

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Part. Encl., GCpi=0.55; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-0-0, Exterior(2R) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 15-11-8, Exterior(2R) 15-11-8 to 20-2-11, Interior(1) 20-2-11 to 26-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=154, 7=154.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

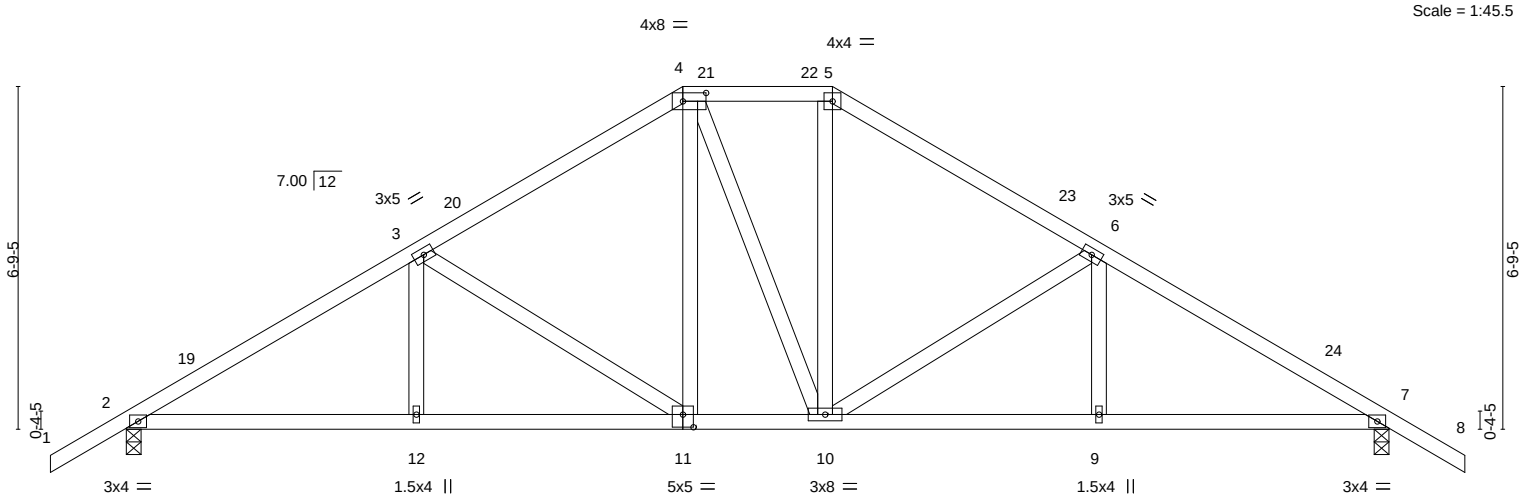
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	C03	Hip	1	1	T31941778
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:01 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-FSUe4mfGvewIqlRPjtcIA8ZrgdhioNKUIc665dyPvrG

-1-6-0 | 5-8-13 | 11-0-0 | 13-11-8 | 19-2-11 | 24-11-8 | 26-5-8
1-6-0 | 5-8-13 | 5-3-3 | 2-11-8 | 5-3-3 | 5-8-13 | 1-6-0

Scale = 1:45.5



5-8-13 | 11-0-0 | 13-11-8 | 19-2-11 | 24-11-8
5-8-13 | 5-3-3 | 2-11-8 | 5-3-3 | 5-8-13

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

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	0.28	Vert(LL)	-0.05	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.12	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 141 lb	FT = 20%

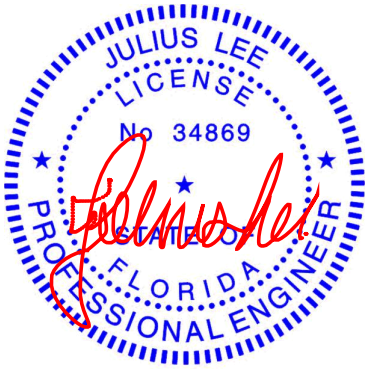
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=127(LC 11)
Max Uplift 2=-154(LC 12), 7=-154(LC 12)
Max Grav 2=1088(LC 1), 7=1088(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1629/200, 3-4=-1188/214, 4-5=-958/214, 5-6=-1187/209, 6-7=-1626/202
BOT CHORD 2-12=-80/1402, 11-12=-80/1402, 10-11=0/956, 9-10=-71/1345, 7-9=-71/1345
WEBS 3-12=0/253, 3-11=-531/117, 4-11=-30/343, 5-10=-23/348, 6-10=-526/123

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Part. Encl., GCpi=0.55; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-0-0, Exterior(2E) 11-0-0 to 13-11-8, Exterior(2R) 13-11-8 to 18-2-7, Interior(1) 18-2-7 to 26-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=154, 7=154.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

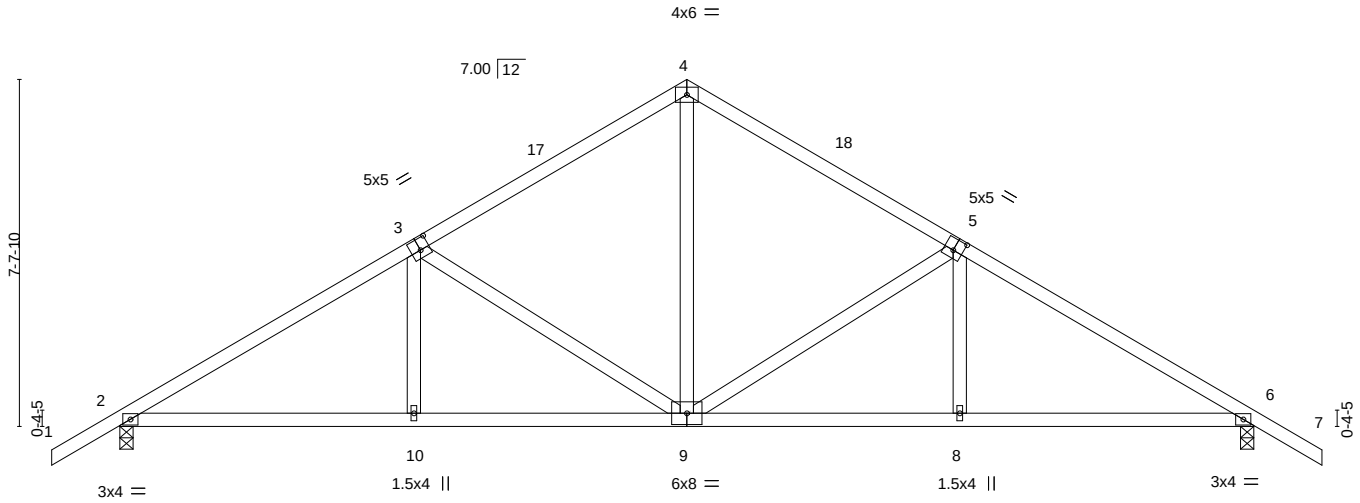
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	C04	Common	2	1	T31941779
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:02 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-je21I5gugy29Sv0bHa8_iM6y?1?IXoHeXGsge3yPvrF

-1-6-0	6-5-11	12-5-12	18-5-13	24-11-8	26-5-8
1-6-0	6-5-11	6-0-1	6-0-1	6-5-11	1-6-0

Scale = 1:50.7



6-5-11	12-5-12	18-5-13	24-11-8
6-5-11	6-0-1	6-0-1	6-5-11

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

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	0.56	Vert(LL)	-0.07	8-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.15	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 127 lb	FT = 20%

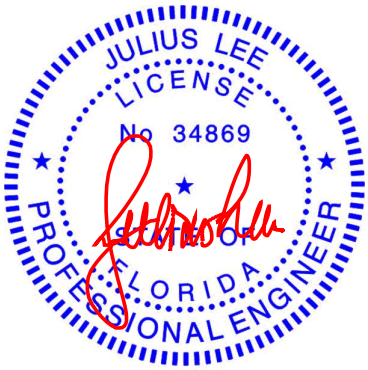
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=141(LC 11)
Max Uplift 2=-154(LC 12), 6=-154(LC 12)
Max Grav 2=1088(LC 1), 6=1088(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1560/210, 3-4=-1060/242, 4-5=-1060/242, 5-6=-1560/210
BOT CHORD 2-10=-65/1309, 9-10=-66/1306, 8-9=-75/1257, 6-8=-74/1260
WEBS 4-9=-50/611, 5-9=-520/108, 5-8=0/297, 3-9=-520/108, 3-10=0/297

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Part. Encl., GCpi=0.55; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 12-5-12, Exterior(2R) 12-5-12 to 15-5-12, Interior(1) 15-5-12 to 26-5-8 zone; cantilever left and right exposed ; end vertical 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=154, 6=154.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	C05	Common	4	1	T31941780
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:03 2023 Page 1
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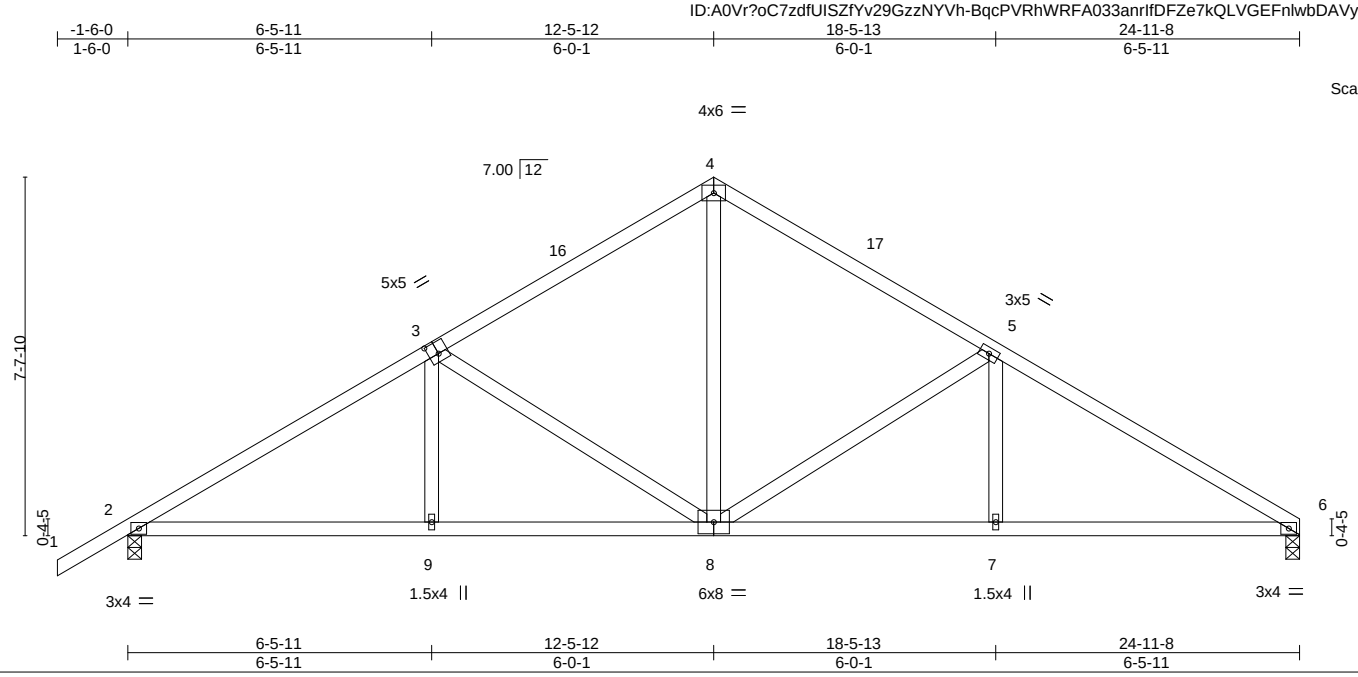


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.07	9-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.15	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 124 lb	FT = 20%

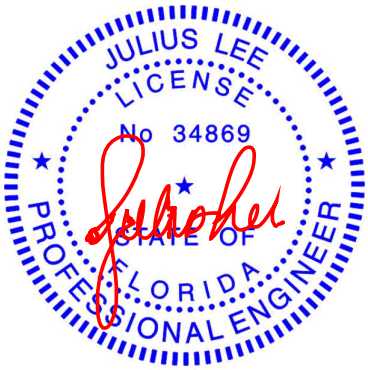
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=137(LC 11)
Max Uplift 6=-115(LC 12), 2=-155(LC 12)
Max Grav 6=996(LC 1), 2=1091(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1566/212, 3-4=-1062/241, 4-5=-1099/253, 5-6=-1596/245
BOT CHORD 2-9=-104/1303, 8-9=-105/1300, 7-8=-131/1329, 6-7=-131/1329
WEBS 4-8=-75/645, 5-8=-614/149, 5-7=0/294, 3-8=-525/111, 3-9=0/297

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Part. Encl., GCpi=0.55; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 12-5-12, Exterior(2R) 12-5-12 to 15-5-12, Interior(1) 15-5-12 to 24-11-8 zone; cantilever left and right exposed ; end vertical 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) 6=115, 2=155.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

October 25,2023

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Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	CJ01	Diagonal Hip Girder	3	1	T31941781
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:04 2023 Page 1
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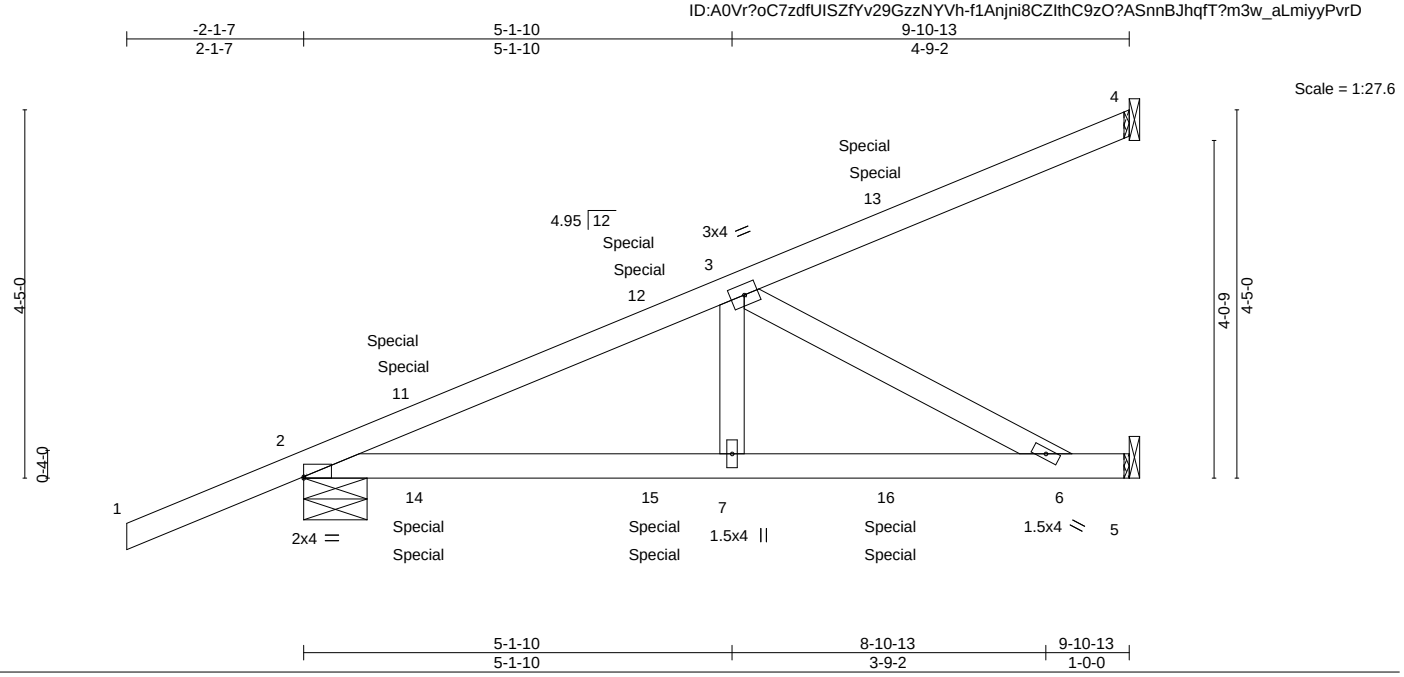


Plate Offsets (X,Y)-- [2:Edge,0-0-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.12	6-7	>968	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 44 lb	FT = 20%

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

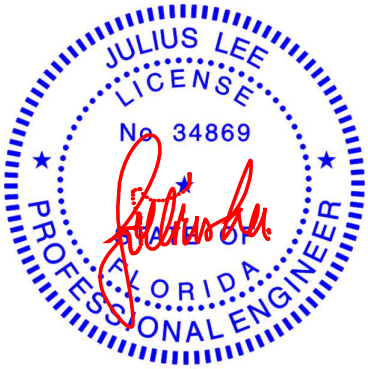
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-9-2, 5=Mechanical
Max Horz 2=167(LC 24)
Max Uplift 4=-67(LC 8), 2=-155(LC 8), 5=-40(LC 8)
Max Grav 4=153(LC 28), 2=476(LC 1), 5=343(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-712/110
BOT CHORD 2-7=-160/638, 6-7=-160/638
WEBS 3-7=0/299, 3-6=-722/181

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Part. Encl., GCpi=0.55; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=155.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 51 lb down and 96 lb up at 1-4-11, 51 lb down and 96 lb up at 1-4-10, 84 lb down and 66 lb up at 4-2-10, 84 lb down and 66 lb up at 4-2-10, and 128 lb down and 109 lb up at 7-0-9, and 128 lb down and 109 lb up at 7-0-9 on top chord, and 11 lb down and 51 lb up at 1-4-11, 11 lb down and 51 lb up at 1-4-10, 19 lb down at 4-2-10, 19 lb down at 4-2-10, and 39 lb down at 7-0-9, and 39 lb down at 7-0-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=57(F=29, B=29) 13=-83(F=-41, B=-41) 14=61(F=31, B=31) 15=-6(F=-3, B=-3) 16=-59(F=-29, B=-29)



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Date:

October 25,2023

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Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	D01GE	Common Supported Gable	1	1	T31941782
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:06 2023 Page 1
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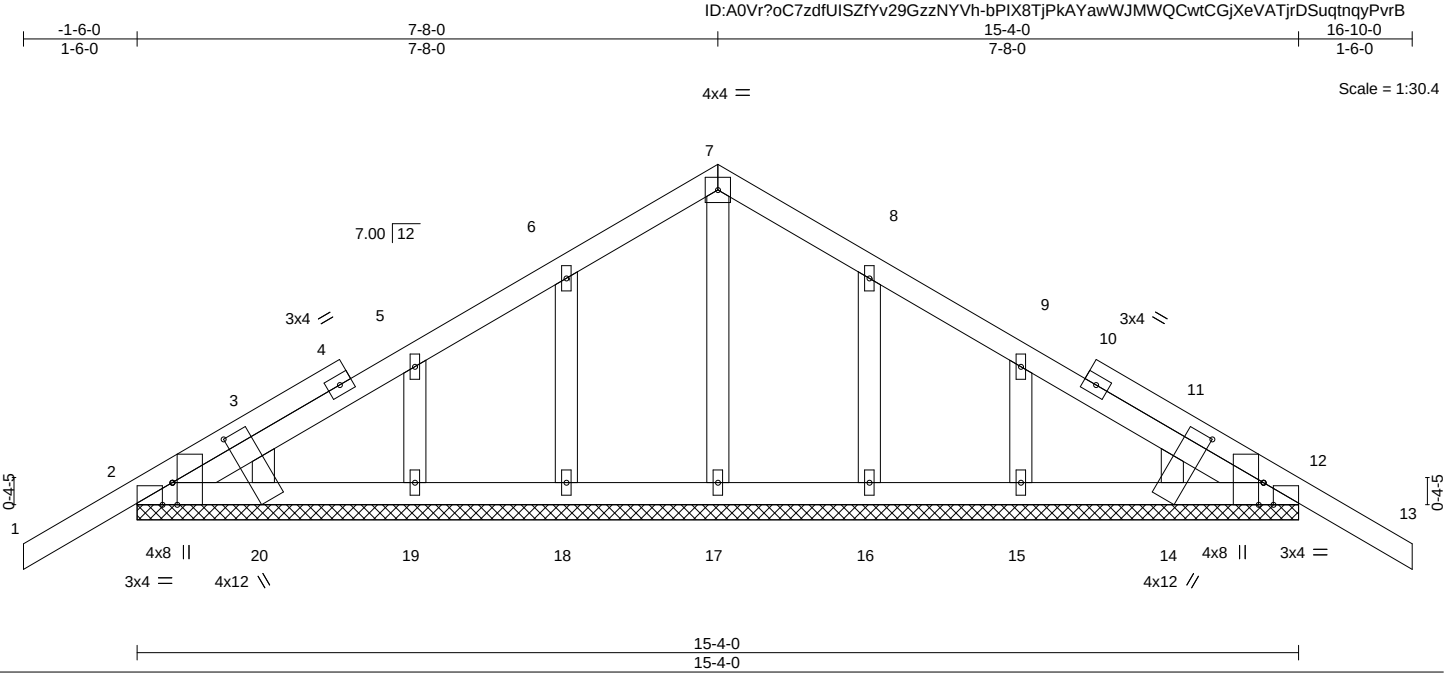


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-1-9,Edge], [12:0-3-8,Edge], [12:0-1-9,Edge], [14:0-1-14,0-10-7], [20:0-1-14,0-10-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 83 lb	FT = 20%

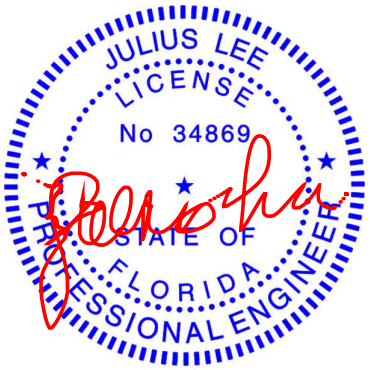
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 15-4-0.
(lb) - Max Horz 2=87(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 18, 19, 16, 15
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 18, 19, 20, 16, 15, 14

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-0 to 1-8-0, Exterior(2N) 1-8-0 to 7-8-0, Corner(3R) 7-8-0 to 10-8-0, Exterior(2N) 10-8-0 to 16-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 18, 19, 16, 15.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 12.



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Date:

October 25,2023

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Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	D02	Common	1	1	T31941783
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:07 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-3crwLpk1VUgRYguY47j9PPpnW2ikC9JNgYZRJGyPvrA

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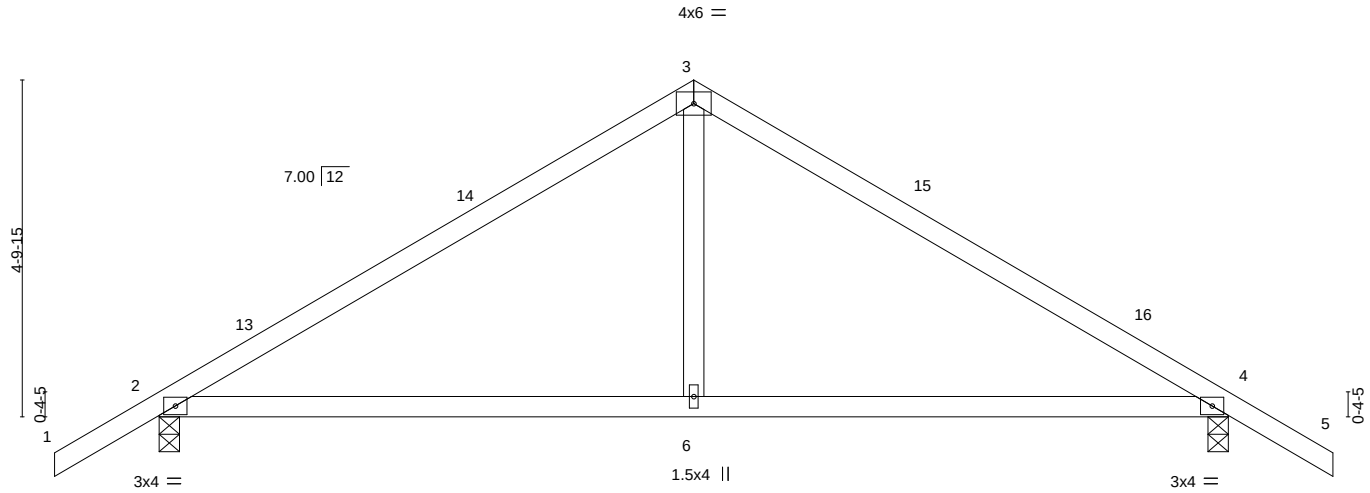
1-6-0 7-8-0 7-8-0 1-6-0

Scale = 1:33.0



7-8-0 15-4-0
7-8-0 7-8-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.09	6-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.17	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 61 lb	FT = 20%

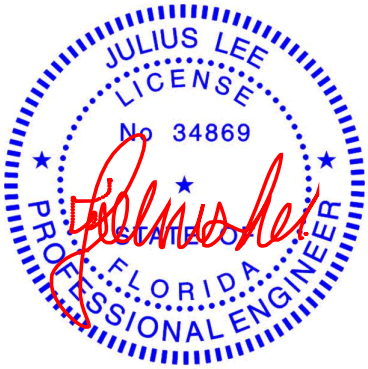
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=93(LC 11)
Max Uplift 2=-37(LC 12), 4=-37(LC 12)
Max Grav 2=703(LC 1), 4=703(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-793/69, 3-4=-793/69
BOT CHORD 2-6=0/600, 4-6=0/600
WEBS 3-6=0/351

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-8-0, Exterior(2R) 7-8-0 to 10-8-0, Interior(1) 10-8-0 to 16-10-0 zone; cantilever left and right exposed ; end vertical 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, 4.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	D03GIR	Common Girder	1	2	T31941784

Job Reference (optional)

Mayo Truss, Mayo, Fl — 8.720 s Aug 20 2023 MiTek Industries, Inc. Wed Oct 25 11:54:50 2023 Page 1

ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-owVHMlw?GkyUHA_J1dB5nDKllDwNj2UNJBu4JgyPuap

-1-6-0	2-10-6	5-3-3	7-8-0	10-0-13	12-5-10	15-4-0
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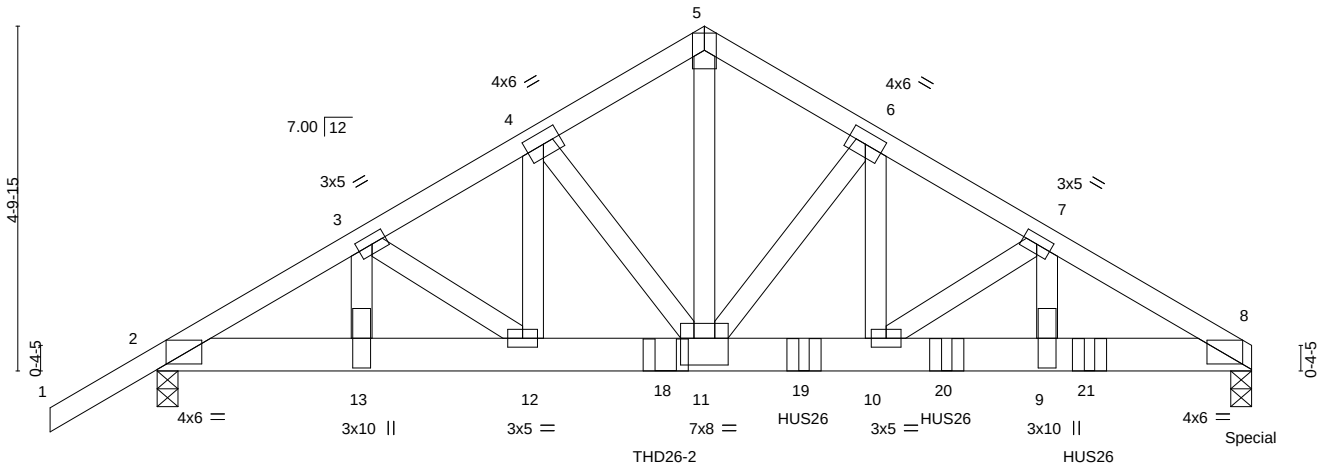
Scale: 3/8"=1'



2-10-6	5-3-3	7-8-0	10-0-13	12-5-10	15-4-0
2-10-6	2-4-13	2-4-13	2-4-13	2-4-13	2-10-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.08	10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.16	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 202 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2

BRACING-

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

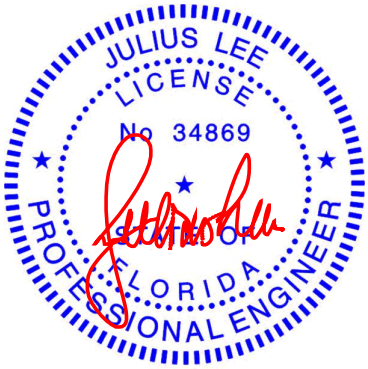
REACTIONS. (lb/size) 8=5835/0-3-8 (min. 0-3-7), 2=3233/0-3-8 (min. 0-1-15)
Max Horz 2=89(LC 7)

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

TOP CHORD	2-3=-5868/0, 3-4=-5927/0, 4-5=-5451/0, 5-6=-5452/0, 6-7=-6985/0, 7-8=-8480/0
BOT CHORD	2-13=0/5046, 12-13=0/5046, 12-18=0/5094, 11-18=0/5094, 11-19=0/6014, 10-19=0/6014, 10-20=0/7309, 9-20=0/7309, 9-21=0/7309, 8-21=0/7309
WEBS	5-11=0/5255, 6-11=-2161/0, 6-10=0/2377, 7-10=-1705/0, 7-9=0/1671, 4-11=-633/132, 4-12=-96/625

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Use MiTek THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 7-1-8 from the left end to connect truss(es) A19GIR (2 ply 2x4 SP) to back face of bottom chord.
9) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 9-0-12 from the left end to 13-0-12 to connect truss(es) A18 (1 ply 2x4 SP), A17 (1 ply 2x4 SP), A16 (1 ply 2x4 SP) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1355 lb down at 15-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: October 25,2023

LOAD CASE(S) Standard

Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-60, 5-8=-60, 2-8=-20
   Concentrated Loads (lb)
   Vert: 8=-1248(B) 18=-2781(B) 19=-1241(B) 20=-1241(B) 21=-1241(B)

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Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	E01GE	Common Supported Gable	1	1	T31941785
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:10 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-UBX2zqmvoP20P7d7lGHt12RPWFrRPWspMWo5wbyPvr7

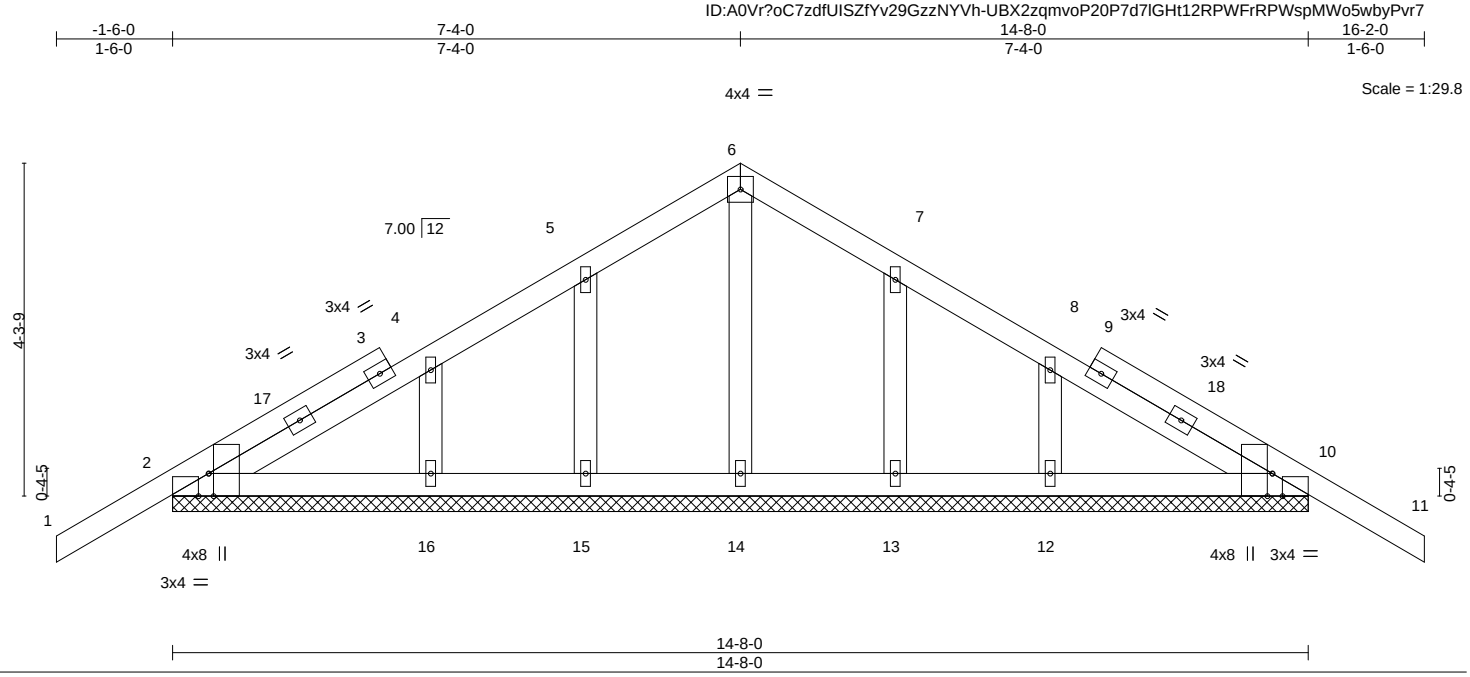


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-1-9,Edge], [10:0-3-8,Edge], [10:0-1-9,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 78 lb	FT = 20%

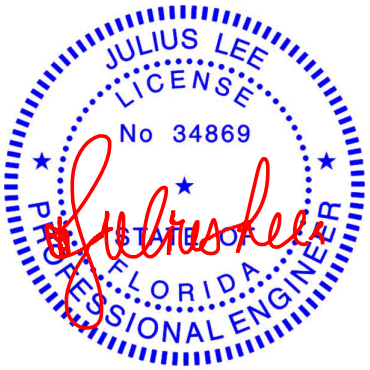
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 14-8-0.
(lb) - Max Horz 2=-83(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 13
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 7-4-0, Corner(3R) 7-4-0 to 10-4-0, Exterior(2N) 10-4-0 to 16-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 15, 13.



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Date:

October 25,2023

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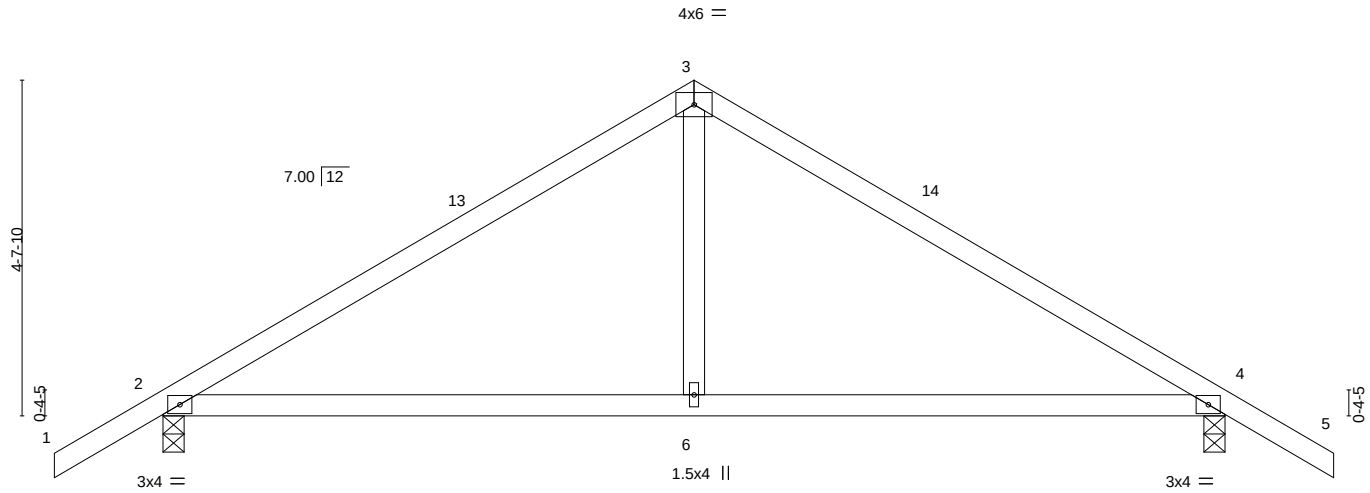
Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	E02	Common	3	1	T31941786
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:11 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-yN5QBAnXYjAt1HCKJzo6ZF_UOf4P8yMybAXeS2yPvr6

-1-6-0 7-4-0 14-8-0 16-2-0
1-6-0 7-4-0 7-4-0 1-6-0

Scale: 3/8"=1'



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.07	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.15	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 59 lb	FT = 20%

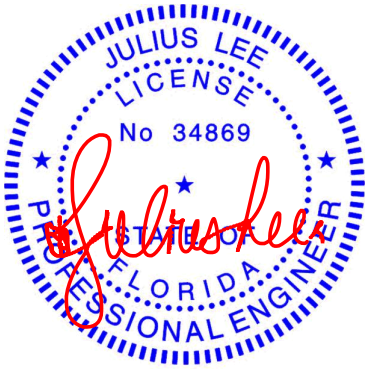
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=-89(LC 10)
Max Uplift 2=-37(LC 12), 4=-37(LC 12)
Max Grav 2=677(LC 1), 4=677(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-756/72, 3-4=-756/72
BOT CHORD 2-6=0/572, 4-6=0/572
WEBS 3-6=0/335

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-4-0, Exterior(2R) 7-4-0 to 10-4-0, Interior(1) 10-4-0 to 16-2-0 zone; cantilever left and right exposed ; end vertical 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, 4.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

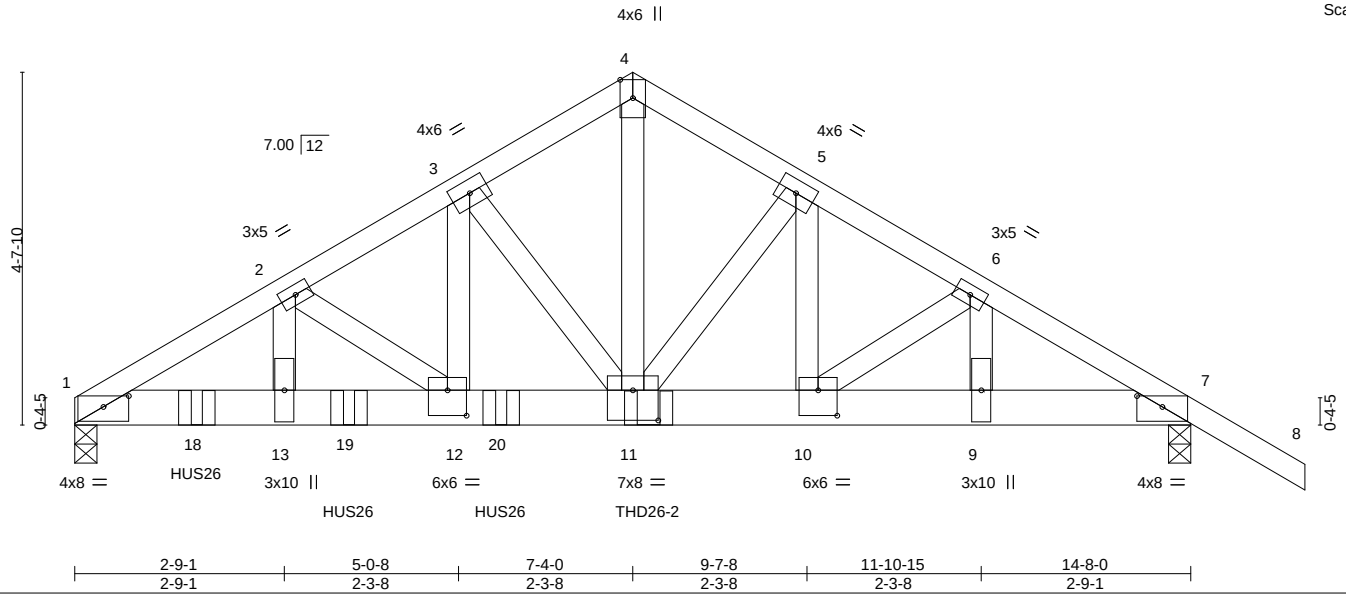
October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	E03GIR	Common Girder	1	2	T31941787
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:13 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-ulDBcspo4KQbGbLiQOqafg3rKSmIcjUF3U0lXwyPvr4

2-9-1	5-0-8	7-4-0	9-7-8	11-10-15	14-8-0	16-2-0
2-9-1	2-3-8	2-3-8	2-3-8	2-3-8	2-9-1	1-6-0

Scale = 1:30.3



2-9-1	5-0-8	7-4-0	9-7-8	11-10-15	14-8-0
2-9-1	2-3-8	2-3-8	2-3-8	2-3-8	2-9-1

Plate Offsets (X,Y)-- [1:0-4-0,0-1-11], [7:0-4-0,0-1-11], [10:0-3-0,0-4-0], [11:0-4-0,0-4-12], [12:0-3-0,0-4-0]

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	0.49	Vert(LL)	-0.08	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.17	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 193 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 7=0-3-8
Max Horz 1=-85(LC 6)
Max Grav 1=5714(LC 1), 7=3467(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-9942/0, 2-3=-8165/0, 3-4=-6184/0, 4-5=-6184/0, 5-6=-6327/0, 6-7=-6298/0
BOT CHORD 1-13=0/8584, 12-13=0/8584, 11-12=0/7032, 10-11=0/5438, 9-10=0/5417, 7-9=0/5417
WEBS 4-11=0/5981, 3-11=-2733/0, 3-12=0/3042, 2-12=-2083/0, 2-13=0/2037

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 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-6-0 oc, Except member 11-5 2x4 - 1 row at 0-9-0 oc, member 5-10 2x4 - 1 row at 0-9-0 oc, member 10-6 2x4 - 1 row at 0-9-0 oc, member 6-9 2x4 - 1 row at 0-9-0 oc, member 11-3 2x4 - 1 row at 0-9-0 oc, member 3-12 2x4 - 1 row at 0-9-0 oc, member 12-2 2x4 - 1 row at 0-9-0 oc, member 2-13 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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-7-4 from the left end to 5-7-4 to connect truss(es) to back face of bottom chord.
9) Use MiTek THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 7-6-8 from the left end to connect truss(es) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

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MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

October 25,2023

Continued on page 2

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Chesterfield, MO 63017
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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-8=-60, 1-7=-20
   Concentrated Loads (lb)
   Vert: 11=-3303(B) 18=-1538(B) 19=-1538(B) 20=-1538(B)

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	J01	Jack-Open	39	1	T31941788
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:14 2023 Page 1
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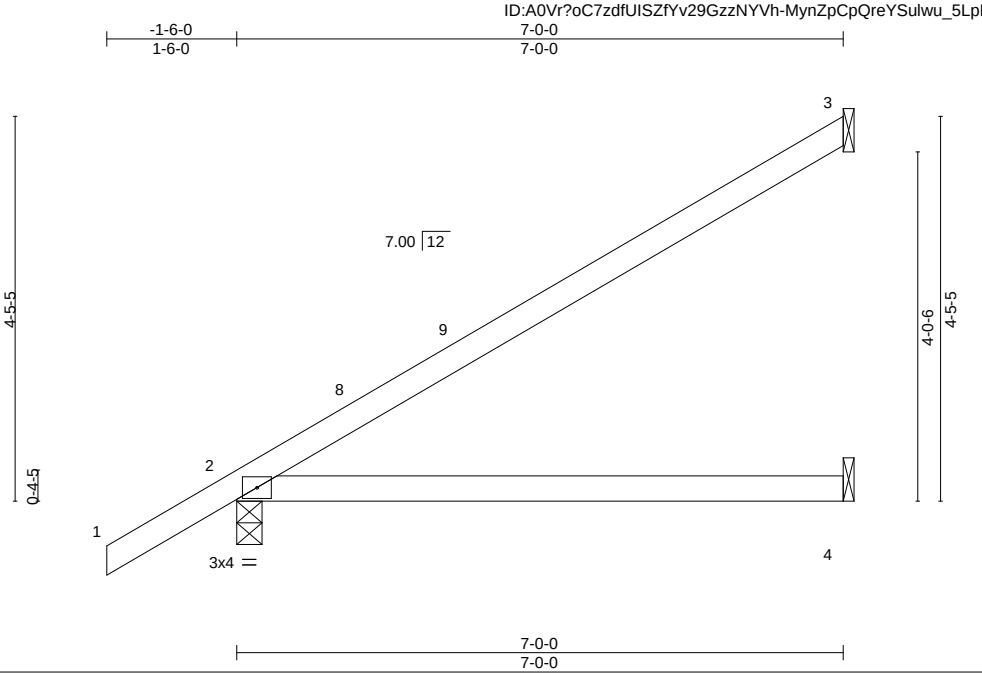


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.09	4-7	>936	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.21	4-7	>393	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 25 lb	FT = 20%

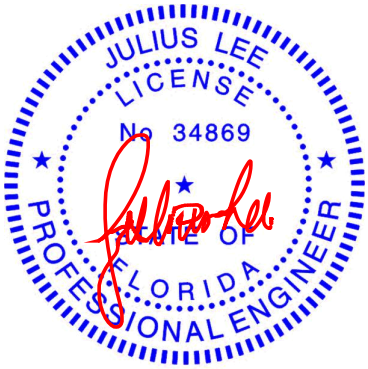
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=167(LC 12)
Max Uplift 3=-89(LC 12), 2=-35(LC 12)
Max Grav 3=211(LC 17), 2=377(LC 1), 4=125(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Part. Encl., GCpi=0.55; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 6-11-4 zone; cantilever left and right exposed ; end vertical 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.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

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Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	J02	Jack-Open	6	1	T31941789
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:15 2023 Page 1
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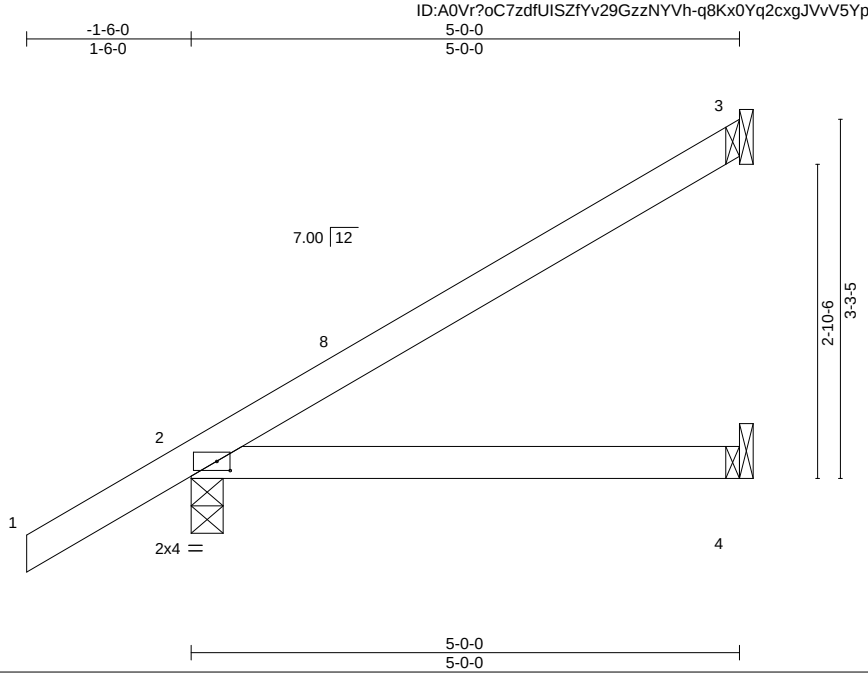


Plate Offsets (X,Y)-- [2:0-1-7,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 19 lb	FT = 20%

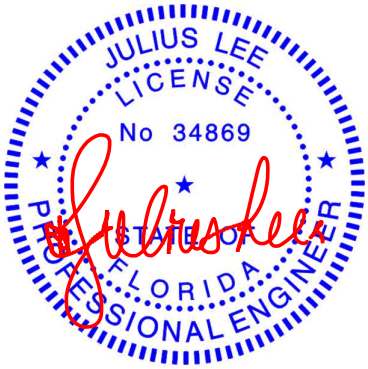
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=128(LC 12)
Max Uplift 3=-60(LC 12), 2=-39(LC 12)
Max Grav 3=145(LC 17), 2=301(LC 1), 4=89(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Part. Encl., GCpi=0.55; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-11-4 zone; cantilever left and right exposed ; end vertical 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.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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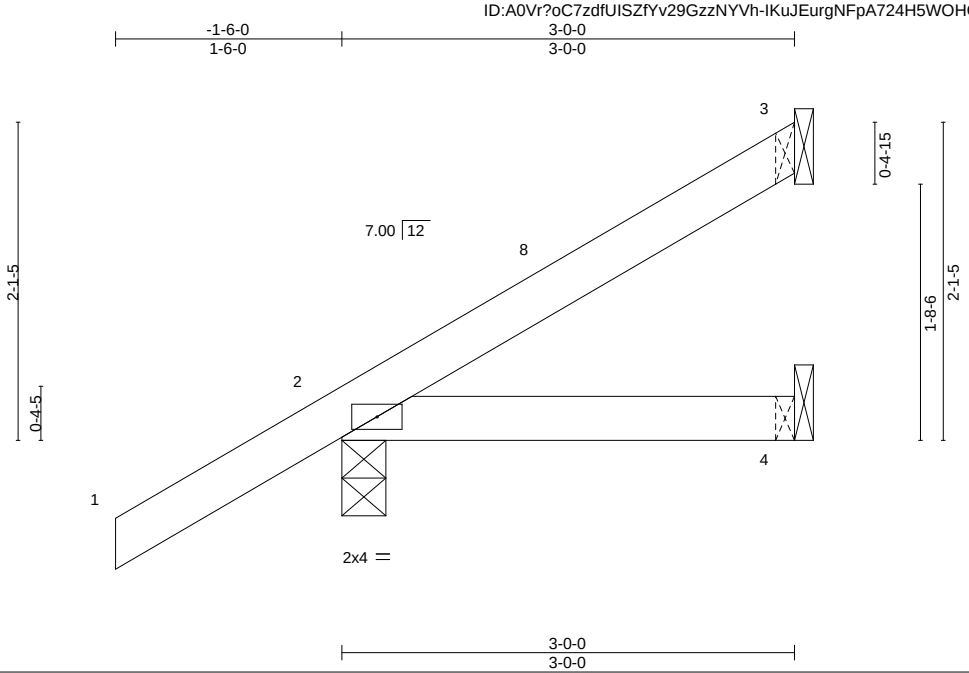
Date:

October 25,2023

Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	J03	Jack-Open	6	1	T31941790
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:16 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-IKuJEurgNFpA724H5WOHGJhR_gufpEmhlRFP7FyPvr1



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MP							Weight: 12 lb	FT = 20%

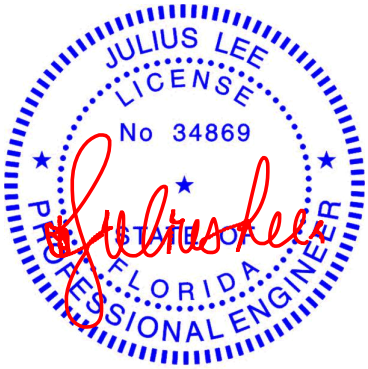
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=89(LC 12)
Max Uplift 3=-30(LC 12), 2=-47(LC 12)
Max Grav 3=77(LC 17), 2=230(LC 1), 4=51(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Part. Encl., GCpi=0.55; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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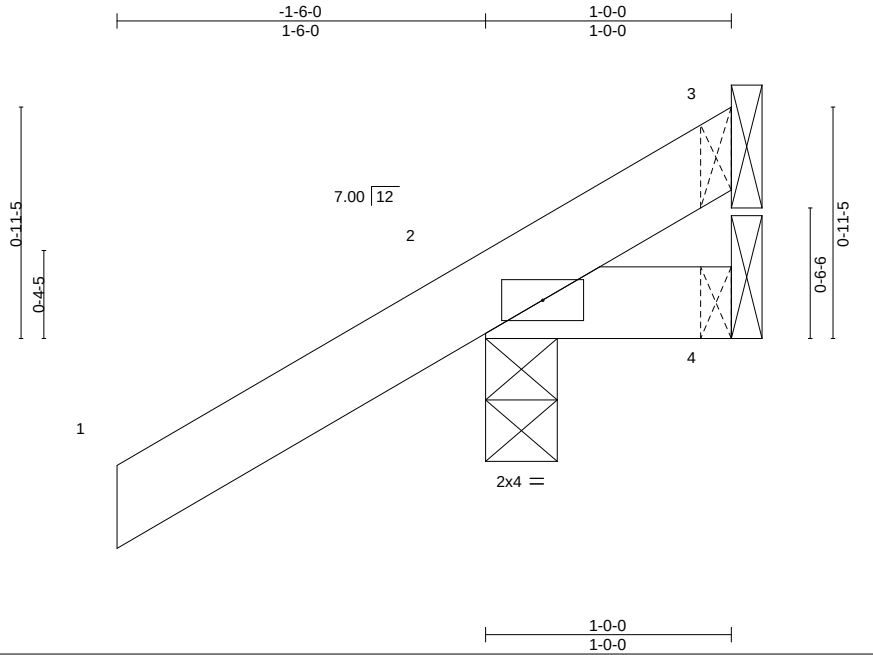
Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	J04	Jack-Open	6	1	T31941791
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:17 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-nXShREsI8Zx1lCfTfEvWpWEck3FhYh0rz5_yghyPvr0



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MP							Weight: 6 lb	FT = 20%

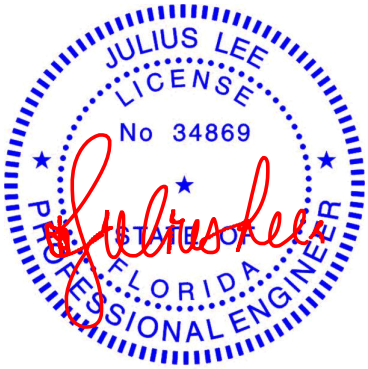
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=51(LC 12)
Max Uplift 3=-6(LC 1), 2=-76(LC 12), 4=-22(LC 1)
Max Grav 3=8(LC 11), 2=198(LC 1), 4=22(LC 12)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Part. Encl., GCpi=0.55; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.



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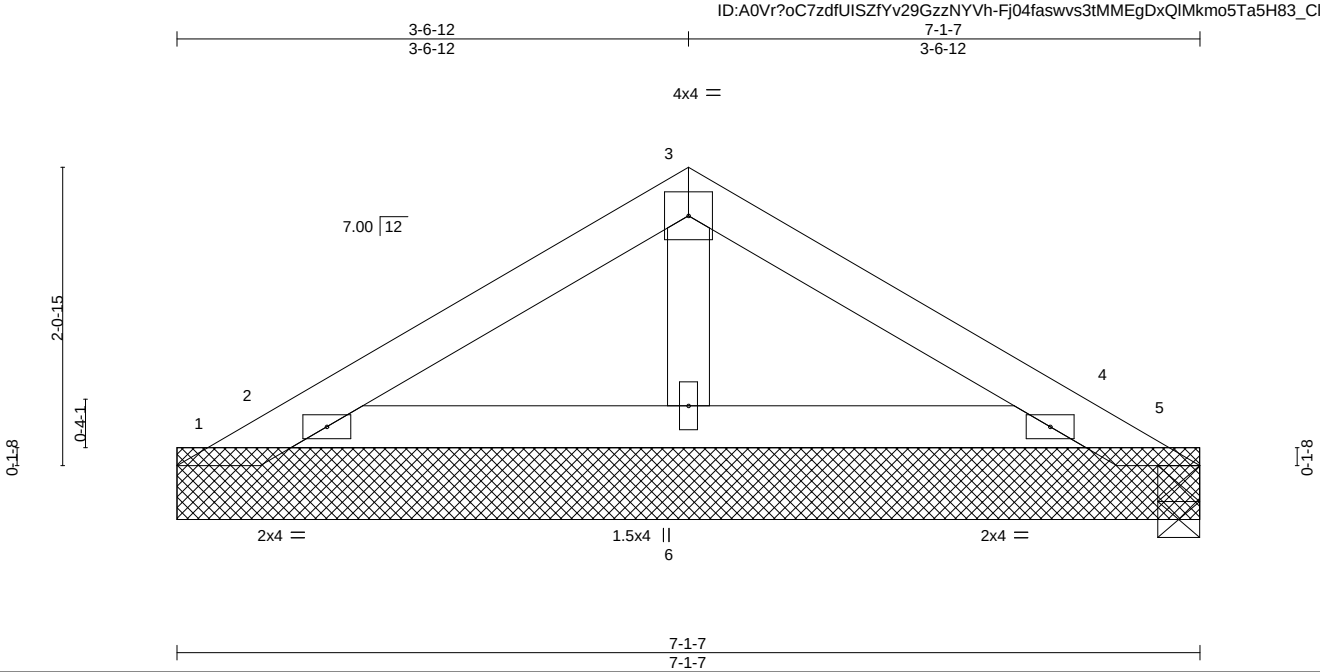
Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	PB01	Piggyback	20	1	T31941792
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:18 2023 Page 1
ID:A0Vr?oC7zdfUISZfYv29GzzNYVh-Fj04faswvs3tMMEgDxQlMkmo5Ta5H83_ClkWC8yPvr?



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	2-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.00	2-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-P							Weight: 22 lb	FT = 20%

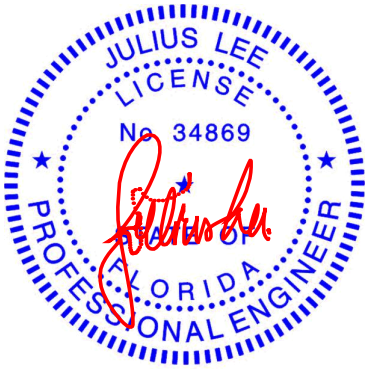
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 7-1-7.
(lb) - Max Horz 1=34(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 5, 2, 4
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 2, 4, 6

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-8 to 3-6-12, Exterior(2R) 3-6-12 to 6-3-15, Interior(1) 6-3-15 to 6-11-11 zone; cantilever left and right exposed ; end vertical 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, 5, 2, 4.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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October 25,2023

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Job	Truss	Truss Type	Qty	Ply	Gregory Oneal
GREGORY_ONEAL	PB02	Piggyback	2	1	T31941793
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.720 s Aug 11 2023 MiTek Industries, Inc. Wed Oct 25 09:29:19 2023 Page 1
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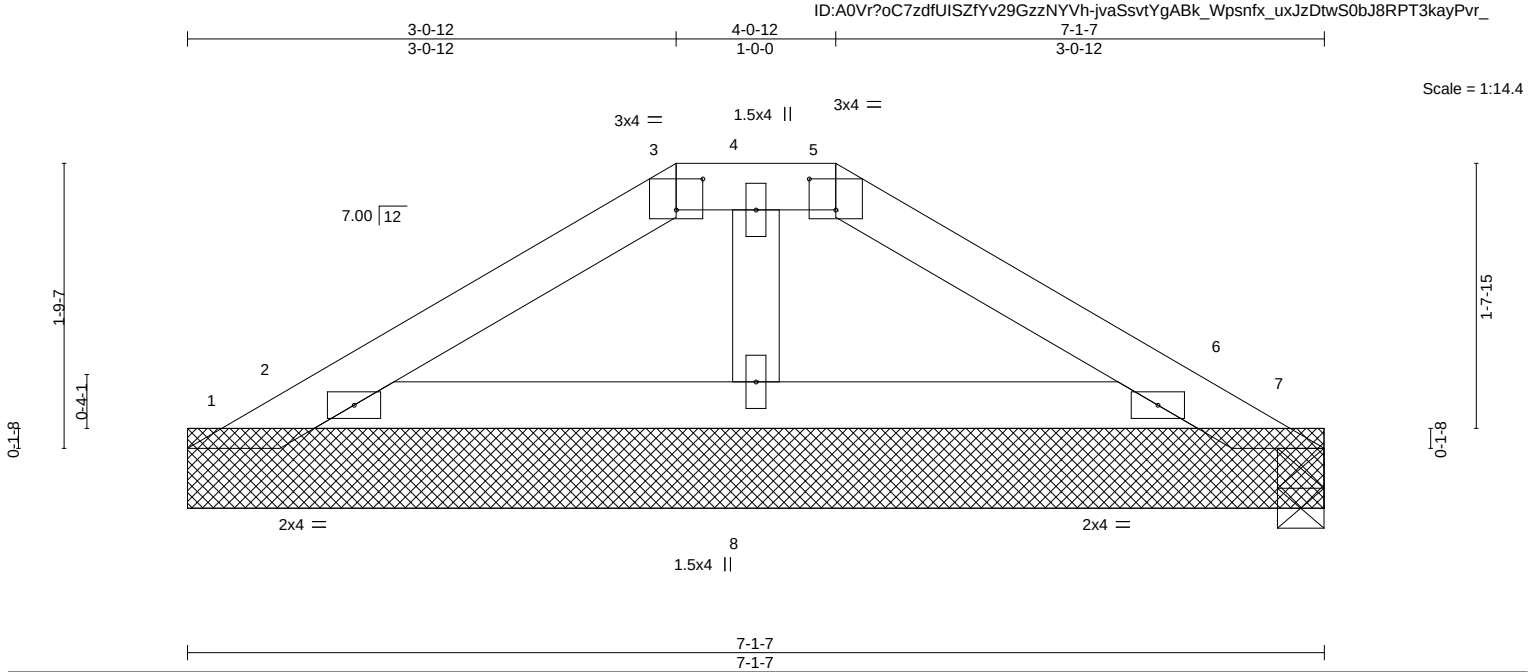


Plate Offsets (X,Y)-- [3:0-2-0,0-2-5], [5:0-2-0,0-2-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	-0.00	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.00	6-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 22 lb	FT = 20%

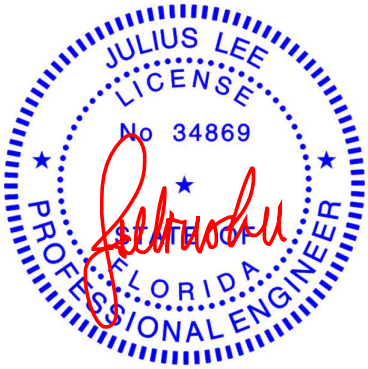
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 7-1-7.
(lb) - Max Horz 1=29(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 7, 2, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 2, 6, 8

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 2, 6.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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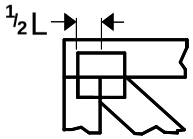
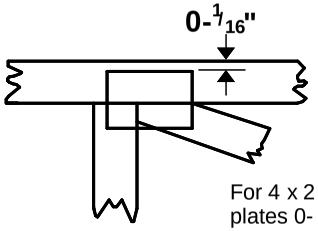
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

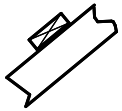
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

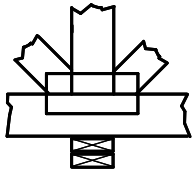
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

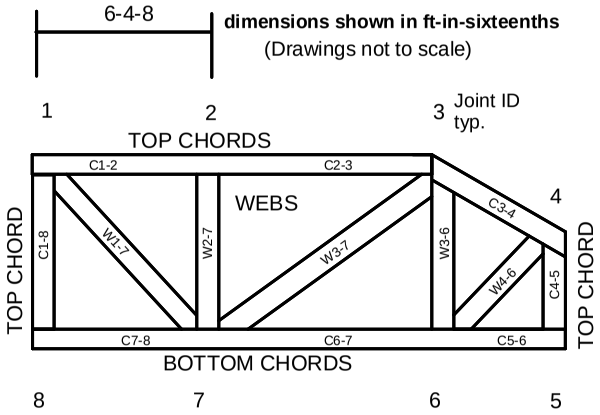


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

Product Code Approvals

ICC-ES Reports:

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

Design General Notes

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

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

MiTek®

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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