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

RE: FRED_PERRY - FRED PERRY

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

Site Information:

Customer Info: FRED PERRY Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: COLUMBIA CO. 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: 140 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 58 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	T28314020	A01	7/20/22	23	T28314042	G04	7/20/22
2	T28314021	A02	7/20/22	24	T28314043	G05	7/20/22
3	T28314022	A03	7/20/22	25	T28314044	G06	7/20/22
4	T28314023	A04	7/20/22	26	T28314045	G07	7/20/22
5	T28314024	A05	7/20/22	27	T28314046	H01	7/20/22
6	T28314025	A06	7/20/22	28	T28314047	H2GR	7/20/22
7	T28314026	A07	7/20/22	29	T28314048	H03	7/20/22
8	T28314027	A08	7/20/22	30	T28314049	H04	7/20/22
9	T28314028	A09	7/20/22	31	T28314050	H05	7/20/22
10	T28314029	B01	7/20/22	32	T28314051	H6GE	7/20/22
11	T28314030	B02	7/20/22	33	T28314052	H12	7/20/22
12	T28314031	C01	7/20/22	34	T28314053	J01	7/20/22
13	T28314032	C02	7/20/22	35	T28314054	J02	7/20/22
14	T28314033	C03	7/20/22	36	T28314055	J03	7/20/22
15	T28314034	C4GE	7/20/22	37	T28314056	J04	7/20/22
16	T28314035	CJ01	7/20/22	38	T28314057	J05	7/20/22
17	T28314036	D01	7/20/22	39	T28314058	J06	7/20/22
18	T28314037	D02	7/20/22	40	T28314059	J07	7/20/22
19	T28314038	D3GE	7/20/22	41	T28314060	J08	7/20/22
20	T28314039	G01	7/20/22	42	T28314061	J09	7/20/22
21	T28314040	G02	7/20/22	43	T28314062	J10	7/20/22
22	T28314041	G03	7/20/22	44	T28314063	J11	7/20/22

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, 2023.

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

July 21,2022

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: FRED_PERRY - FRED PERRY

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

Site Information:

Customer Info: FRED PERRY Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: COLUMBIA CO. State: FL

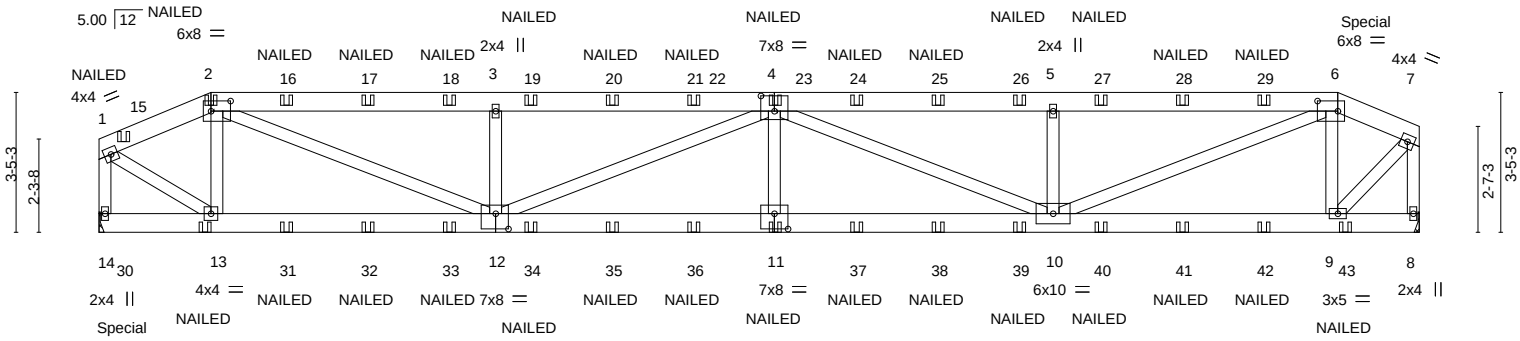
No.	Seal#	Truss Name	Date
45	T28314064	J12	7/20/22
46	T28314065	J13	7/20/22
47	T28314066	J14	7/20/22
48	T28314067	K01	7/20/22
49	T28314068	K02	7/20/22
50	T28314069	K03	7/20/22
51	T28314070	K04	7/20/22
52	T28314071	K05	7/20/22
53	T28314072	K06	7/20/22
54	T28314073	K07	7/20/22
55	T28314074	K08	7/20/22
56	T28314075	K09	7/20/22
57	T28314076	K10	7/20/22
58	T28314077	K11	7/20/22

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	A01	Hip Girder	1	2	T28314020
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:04:45 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-qeTj1q60Sxxfir5?7fDRSI3??1WNKJ_llRJ?Boyw86W

2-9-0	9-8-14	16-7-0	23-5-2	30-5-0	32-5-0
2-9-0	6-11-14	6-10-2	6-10-2	6-11-14	2-0-0

Scale = 1:56.6



2-9-0	9-8-14	16-7-0	23-5-2	30-5-0	32-5-0
2-9-0	6-11-14	6-10-2	6-10-2	6-11-14	2-0-0

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

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)	0.22	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.42	11-12	>916	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 453 lb	FT = 20%

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

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

REACTIONS. (size) 14=Mechanical, 8=Mechanical
Max Horz 14=127(LC 7)
Max Uplift 14=-697(LC 8), 8=-768(LC 8)
Max Grav 14=2935(LC 1), 8=2789(LC 1)

"Special" indicates special hanger(s) or other connection device(s) required at location(s) shown. The design/selection of such special connection device(s) is the responsibility of others. This applies to all applicable truss designs in this job.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2752/638, 2-3=-6599/1665, 3-4=-6599/1665, 4-5=-6309/1561, 5-6=-6309/1561, 6-7=-2075/571, 1-14=-2782/612, 7-8=-2841/724
BOT CHORD 12-13=-527/2473, 11-12=-1752/7675, 10-11=-1752/7675, 9-10=-476/1857
WEBS 2-13=-1307/526, 2-12=-1166/4492, 3-12=-980/535, 4-12=-1178/220, 4-11=0/533, 4-10=-1491/325, 5-10=-975/536, 6-10=-1114/4842, 6-9=-1571/418, 1-13=-635/3020, 7-9=-703/2813

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp C; 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) 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) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 697 lb uplift at joint 14 and 768 lb uplift at joint 8.
11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 194 lb down and 20 lb up at 30-5-0 on top chord, and 240 lb down and 79 lb up at 0-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

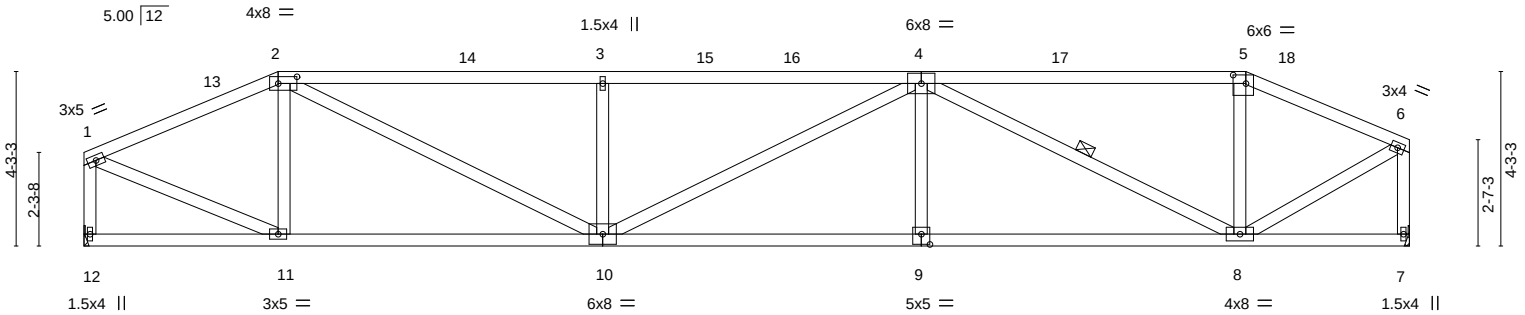
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-6=-60, 6-7=-60, 8-14=-20
   Concentrated Loads (lb)
   Vert: 2=-131(F) 6=20(F) 13=-62(F) 4=-131(F) 11=-62(F) 16=-131(F) 17=-131(F) 18=-131(F) 19=-131(F) 20=-131(F) 21=-131(F) 24=-131(F) 25=-131(F) 26=-131(F) 27=-131(F) 28=-131(F) 29=-131(F) 30=-240(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=-230(F)

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	A02	Hip	1	1	T28314021
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:04:46 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-Ir15EA7eCF3WJ?gBhMlg_Vc3WRqR3nrv_53ZjFyw86V

4-9-0	12-8-4	20-5-12	28-5-0	32-5-0
4-9-0	7-11-4	7-9-8	7-11-4	4-0-0

Scale = 1:56.4



4-9-0	12-8-4	20-5-12	28-5-0	32-5-0
4-9-0	7-11-4	7-9-8	7-11-4	4-0-0

Plate Offsets (X,Y)-- [2:0-5-8,0-2-0], [5:0-3-12,0-2-8], [9:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.85	Vert(LL)	-0.26	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.60	9-10	>647	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.07	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 176 lb	FT = 20%

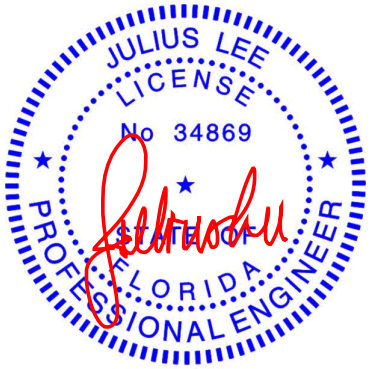
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
4-5: 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except*
9-10: 2x4 SP No.1
WEBS 2x4 SP No.2

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

REACTIONS. (size) 12=Mechanical, 7=Mechanical
Max Horz 12=158(LC 11)
Max Uplift 12=-274(LC 12), 7=-274(LC 12)
Max Grav 12=1285(LC 1), 7=1285(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1517/417, 2-3=-2571/758, 3-4=-2571/758, 4-5=-1207/387, 5-6=-1320/378, 1-12=-1256/374, 6-7=-1271/369
BOT CHORD 10-11=-394/1342, 9-10=-656/2412, 8-9=-656/2412
WEBS 2-11=-412/244, 2-10=-385/1412, 3-10=-559/295, 4-9=0/283, 4-8=-1377/344, 1-11=-358/1440, 6-8=-368/1393

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-4-10, Interior(1) 3-4-10 to 4-9-0, Exterior(2R) 4-9-0 to 9-4-0, Interior(1) 9-4-0 to 28-5-0, Exterior(2E) 28-5-0 to 32-3-4 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 274 lb uplift at joint 12 and 274 lb uplift at joint 7.
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:

July 21,2022

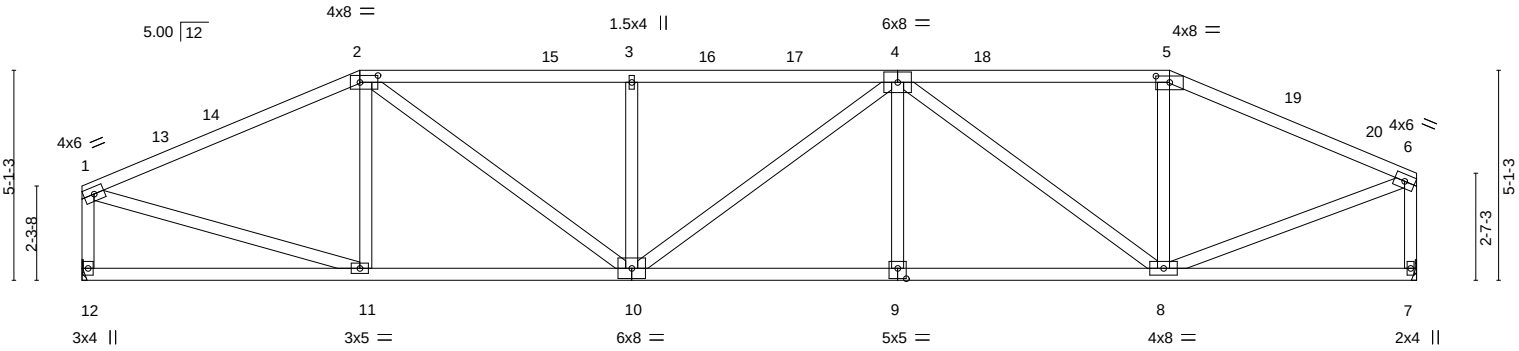
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	A03	Hip	1	1	T28314022
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:04:47 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-n1bTSW7GzYBNx9FNE4GvXj9HgqBSo6O2Dlo6Fhyw86U

6-9-0	13-4-4	19-9-12	26-5-0	32-5-0
6-9-0	6-7-4	6-5-8	6-7-4	6-0-0

Scale = 1:56.0



6-9-0	13-4-4	19-9-12	26-5-0	32-5-0
6-9-0	6-7-4	6-5-8	6-7-4	6-0-0

Plate Offsets (X,Y)-- [2:0-5-4,0-2-0], [5:0-4-0,0-1-13], [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)	-0.16	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.36	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 184 lb	FT = 20%

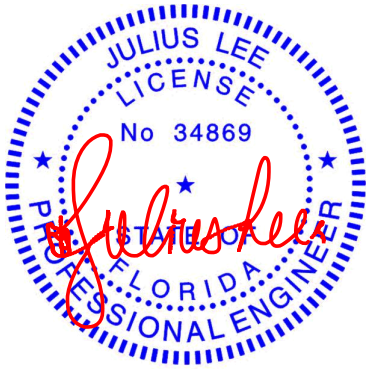
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 12=Mechanical, 7=Mechanical
Max Horz 12=180(LC 11)
Max Uplift 12=-274(LC 12), 7=-274(LC 12)
Max Grav 12=1285(LC 1), 7=1285(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1660/470, 2-3=-2133/669, 3-4=-2133/669, 4-5=-1352/461, 5-6=-1523/445, 1-12=-1221/396, 6-7=-1230/393
BOT CHORD 10-11=-424/1453, 9-10=-563/2038, 8-9=-563/2038
WEBS 2-11=-264/199, 2-10=-241/905, 3-10=-463/241, 4-8=-901/223, 5-8=0/288, 1-11=-348/1420, 6-8=-358/1385

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-4-10, Interior(1) 3-4-10 to 6-9-0, Exterior(2R) 6-9-0 to 11-4-0, Interior(1) 11-4-0 to 26-5-0, Exterior(2R) 26-5-0 to 31-0-0, Interior(1) 31-0-0 to 32-3-4 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 274 lb uplift at joint 12 and 274 lb uplift at joint 7.
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:

July 21,2022

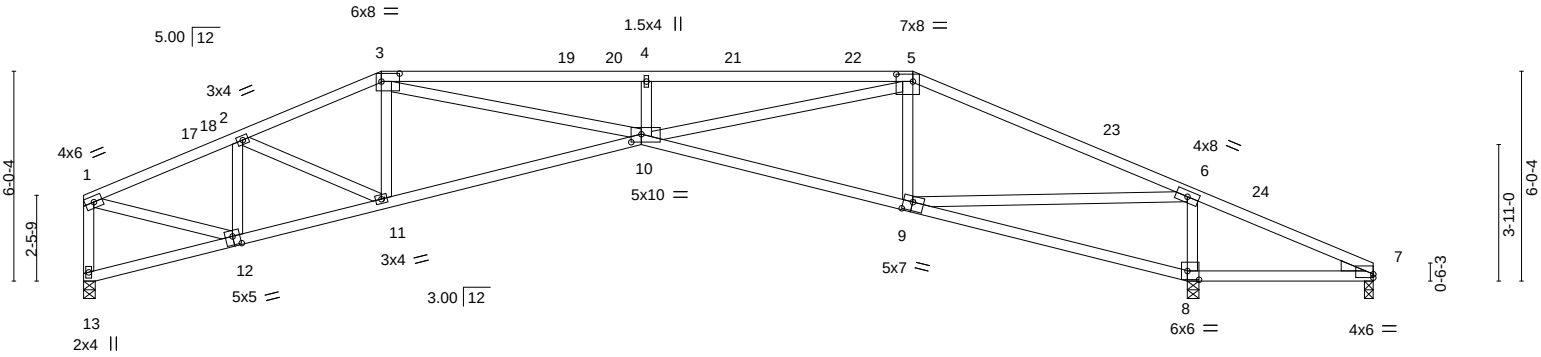
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	A04	Hip	1	1	T28314023
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:04:49 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-jQjEsC9XVAR5BTPmMVINc8EYpetZG32Lg2HDKZyw86S

4-5-0	8-6-8	16-0-0	23-9-8	31-8-0	37-0-0
4-5-0	4-1-8	7-5-8	7-9-8	7-10-8	5-4-0

Scale = 1:66.1



4-5-0	8-6-8	16-0-0	23-9-8	31-8-0	31-10-0	37-0-0
4-5-0	4-1-8	7-5-8	7-9-8	7-10-8	0-2-0	5-2-0

Plate Offsets (X,Y)-- [3:0-6-4,0-2-12], [5:0-5-12,0-2-8], [7:0-0-0,0-1-3], [8:0-4-0,0-3-0], [9:0-3-4,0-3-0], [10:0-3-8,0-2-12], [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	0.97	Vert(LL)	-0.39	10	>978	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.82	9-10	>463	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.40	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 185 lb	FT = 20%

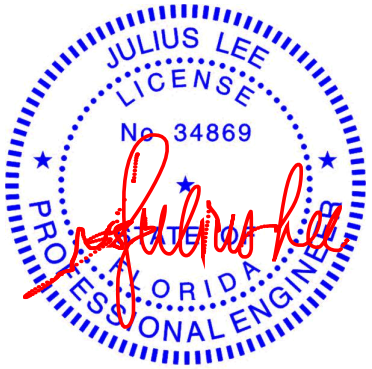
LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
1-3: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
8-9: 2x4 SP No.1
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 7=0-3-0, 8=0-4-0, 13=0-4-0
Max Horz 13=-212(LC 10)
Max Uplift 7=-901(LC 21), 8=-547(LC 12), 13=-236(LC 12)
Max Grav 7=154(LC 12), 8=2751(LC 1), 13=1076(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1455/452, 2-3=-1957/571, 3-4=-4005/1025, 4-5=-4043/1046, 5-6=-1060/353, 6-7=-539/2419, 1-13=-1036/323
BOT CHORD 11-12=-312/1411, 10-11=-331/1832, 9-10=-136/922, 8-9=-2347/580, 7-8=-2132/516
WEBS 2-12=-632/220, 2-11=-55/542, 3-10=-478/2308, 4-10=-490/264, 5-10=-691/3252, 5-9=-804/284, 6-9=-682/3139, 6-8=-1967/634, 1-12=-338/1308

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-10-2, Interior(1) 3-10-2 to 8-6-8, Exterior(2R) 8-6-8 to 13-9-5, Interior(1) 13-9-5 to 23-9-8, Exterior(2R) 23-9-8 to 29-0-5, Interior(1) 29-0-5 to 37-0-0 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) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 901 lb uplift at joint 7, 547 lb uplift at joint 8 and 236 lb uplift at joint 13.
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:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	A05	Hip	1	1	T28314024
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:04:50 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-BcGc4YA9GTZyoc_ywCpc9Lnnq2HA?b1Uvi1ms0yw86R

5-3-12	10-4-0	16-0-0	22-0-0	26-10-0	31-8-0	37-0-0	38-0-0
5-3-12	5-0-4	5-8-0	6-0-0	4-10-0	4-10-0	5-4-0	1-0-0

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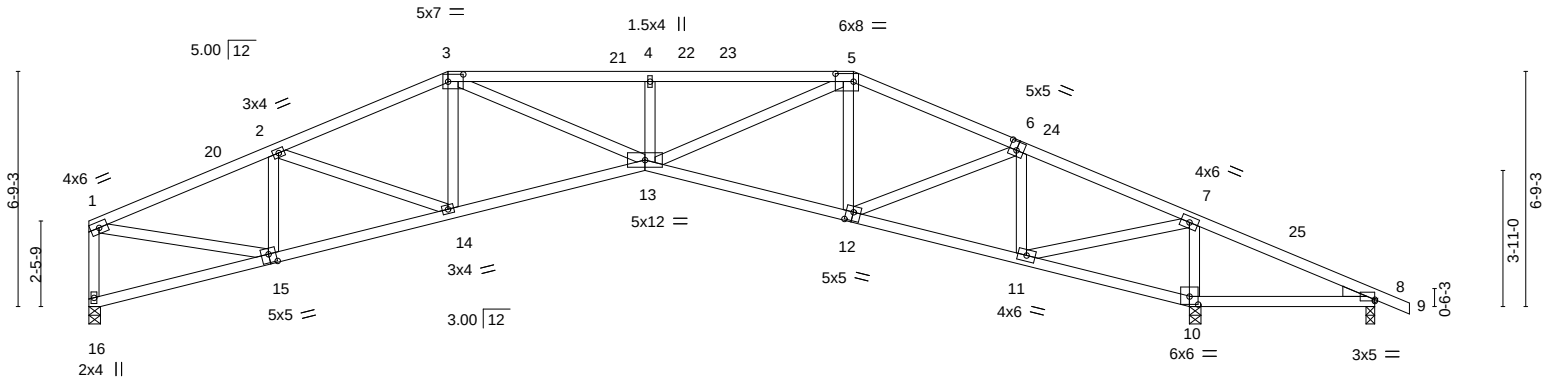

5-3-12	10-4-0	16-0-0	22-0-0	26-10-0	31-8-0	31-10-0	37-0-0
5-3-12	5-0-4	5-8-0	6-0-0	4-10-0	4-10-0	0-2-0	5-2-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.21	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.43	12-13	>879	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.25	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 194 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 10=0-4-0, 8=0-3-0, 16=0-4-0
Max Horz 16=-242(LC 10)
Max Uplift 10=-456(LC 12), 8=-533(LC 21), 16=-248(LC 12)
Max Grav 10=2345(LC 1), 8=25(LC 12), 16=1134(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1739/514, 2-3=-2132/599, 3-4=-3157/813, 4-5=-3178/825, 5-6=-1592/491, 6-7=-689/237, 7-8=-357/1683, 1-16=-1088/342
BOT CHORD 15-16=-156/255, 14-15=-331/1683, 13-14=-295/1978, 12-13=-209/1492, 11-12=-68/614, 10-11=-1645/439, 8-10=-1471/386
WEBS 2-15=-593/225, 2-14=-15/445, 3-13=-266/1379, 4-13=-371/207, 5-13=-367/1897, 5-12=-481/159, 6-12=-173/933, 6-11=-955/297, 7-11=-469/2192, 7-10=-1782/525, 1-15=-387/1526

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-10-2, Interior(1) 3-10-2 to 10-4-0, Exterior(2R) 10-4-0 to 15-6-13, Interior(1) 15-6-13 to 22-0-0, Exterior(2R) 22-0-0 to 27-2-13, Interior(1) 27-2-13 to 38-0-0 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) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 456 lb uplift at joint 10, 533 lb uplift at joint 8 and 248 lb uplift at joint 16.
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.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2022

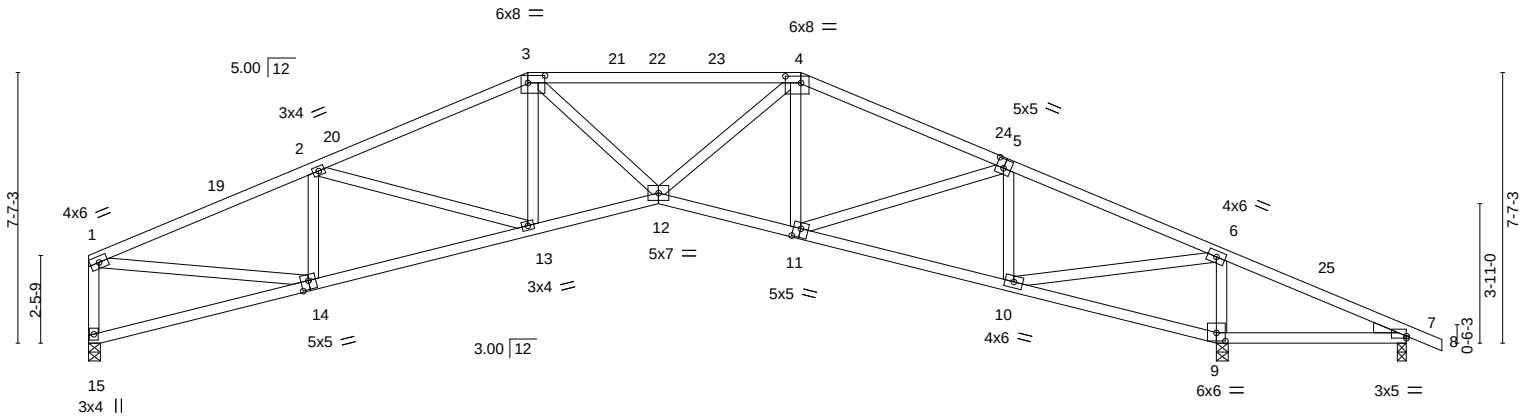
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	A06	Hip	1	1	T28314025
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:04:51 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-foq_HtAn1nhpQmY9TwKrhZJvCSctk29e8MmKOSyw86Q

6-3-12	12-4-0	20-0-0	25-10-0	31-8-0	37-0-0	38-0-0
6-3-12	6-0-4	7-8-0	5-10-0	5-10-0	5-4-0	1-0-0

Scale = 1:64.7



6-3-12	12-4-0	16-0-0	20-0-0	25-10-0	31-8-0	31-10-0	37-0-0
6-3-12	6-0-4	3-8-0	4-0-0	5-10-0	5-10-0	0-2-0	5-2-0

Plate Offsets (X,Y)-- [3:0-5-12,0-2-8], [4:0-5-4,0-2-4], [5:0-2-8,0-3-0], [7:0-0-0,0-0-11], [9:0-3-0,0-2-12], [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	0.92	Vert(LL)	-0.15	12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.30	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.19	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 195 lb	FT = 20%

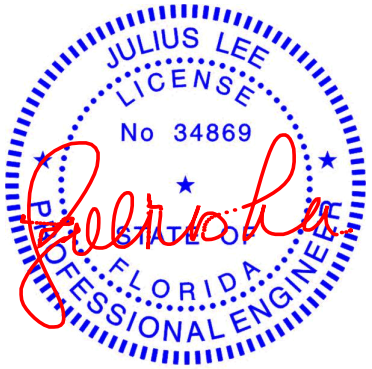
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 9=0-4-0, 7=0-3-0, 15=0-4-0
Max Horz 15=-265(LC 10)
Max Uplift 9=-419(LC 12), 7=-317(LC 21), 15=-253(LC 12)
Max Grav 9=2107(LC 1), 15=1169(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1979/577, 2-3=-2222/625, 3-4=-2425/646, 4-5=-1931/574, 5-6=-1254/358, 6-7=-250/1196, 1-15=-1117/358
BOT CHORD 14-15=-172/299, 13-14=-382/1907, 12-13=-294/2049, 11-12=-263/1802, 10-11=-174/1139, 9-10=-1176/338, 7-9=-1023/287
WEBS 2-14=-532/223, 2-13=0/354, 3-12=-62/622, 4-12=-103/937, 4-11=-297/109, 5-11=-111/693, 5-10=-774/273, 6-10=-463/2226, 6-9=-1672/512, 1-14=-423/1697

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-10-2, Interior(1) 3-10-2 to 12-4-0, Exterior(2R) 12-4-0 to 17-6-13, Interior(1) 17-6-13 to 20-0-0, Exterior(2R) 20-0-0 to 25-2-13, Interior(1) 25-2-13 to 38-0-0 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) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 419 lb uplift at joint 9, 317 lb uplift at joint 7 and 253 lb uplift at joint 15.
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:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	A07	Hip	1	1	T28314026
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:04:52 2022 Page 1
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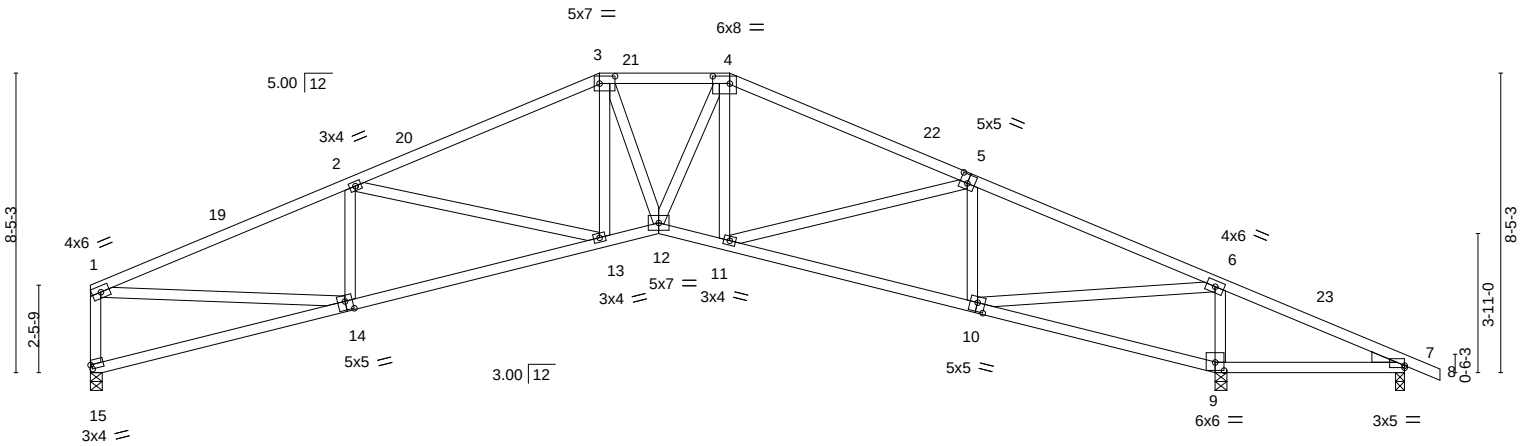
7-3-12	14-4-0	18-0-0	24-10-0	31-8-0	37-0-0	38-0-0
7-3-12	7-0-4	3-8-0	6-10-0	6-10-0	5-4-0	1-0-0

Scale = 1:64.9



7-3-12	14-4-0	16-0-0	18-0-0	24-10-0	31-8-0	31-10-0	37-0-0
7-3-12	7-0-4	1-8-0	2-0-0	6-10-0	6-10-0	0-2-0	5-2-0

Plate Offsets (X,Y)-- [3:0-5-4,0-2-8], [4:0-5-12,0-2-8], [5:0-2-8,0-3-0], [7:0-0-0,0-0-11], [9:0-3-0,0-2-12], [10:0-2-8,0-3-0], [14:0-2-8,0-3-0], [15:0-0-6,0-1-8]

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	0.93	Vert(LL)	-0.15	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.36	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.18	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 201 lb	FT = 20%

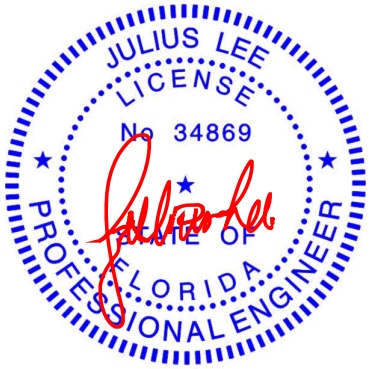
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 9=0-4-0, 7=0-3-0, 15=0-4-0
Max Horz 15=-289(LC 10)
Max Uplift 9=-414(LC 12), 7=-242(LC 17), 15=-254(LC 12)
Max Grav 9=2040(LC 1), 15=1178(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2151/609, 2-3=-2161/571, 3-4=-2037/599, 4-5=-2021/545, 5-6=-1500/416, 6-7=-218/1034, 1-15=-1120/363
BOT CHORD 14-15=-189/343, 13-14=-402/2069, 12-13=-216/1953, 11-12=-212/1853, 10-11=-218/1392, 9-10=-1020/301, 7-9=-870/254
WEBS 2-14=-470/216, 3-13=0/374, 3-12=-114/387, 4-12=-126/602, 5-11=-0/565, 5-10=-695/237, 6-10=-469/2273, 6-9=-1628/523, 1-14=-445/1819

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-10-2, Interior(1) 3-10-2 to 14-4-0, Exterior(2E) 14-4-0 to 18-0-0, Exterior(2R) 18-0-0 to 23-2-13, Interior(1) 23-2-13 to 38-0-0 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) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 414 lb uplift at joint 9, 242 lb uplift at joint 7 and 254 lb uplift at joint 15.
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:

July 21,2022

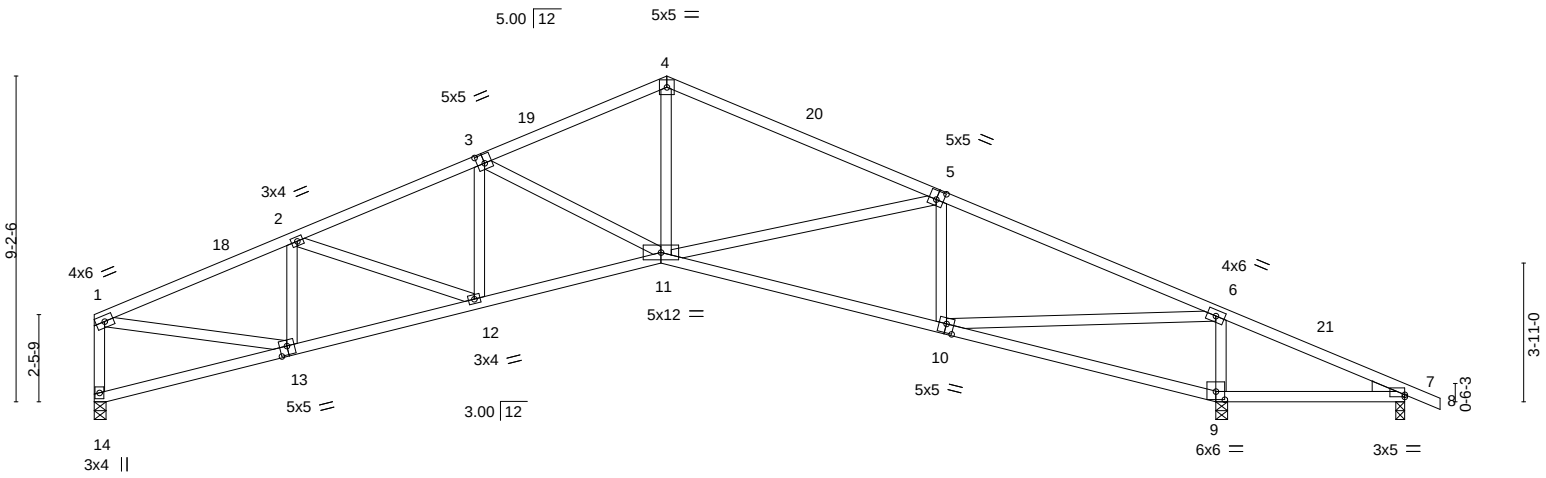
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	A08	Roof Special	7	1	T28314027
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:04:54 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-3NW7wvDfKi3OHEHj92uYJBxQ7fZlxNW4qK?_?nyw86N

5-7-0	10-10-8	16-0-0	16-2-0	23-11-0	31-8-0	37-0-0	38-0-0
5-7-0	5-3-8	5-1-8	0-2-0	7-9-0	7-9-0	5-4-0	1-0-0

Scale = 1:65.1



5-7-0	10-10-8	16-0-0	23-11-0	31-8-0	31-10-0	37-0-0
5-7-0	5-3-8	5-1-8	7-11-0	7-9-0	0-2-0	5-2-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-2-8,0-3-0], [7:0-0-0,0-0-11], [9:0-3-0,0-2-12], [10:0-2-8,0-3-0], [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	0.94	Vert(LL)	-0.24	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.53	10-11	>708	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.18	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 194 lb	FT = 20%

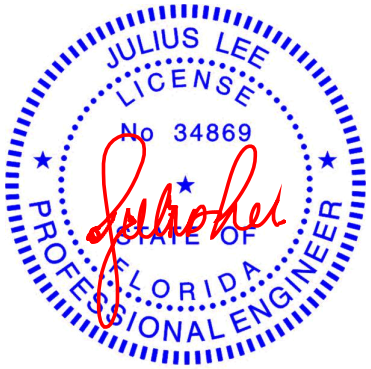
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
4-5: 2x4 SP No.1
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 9=0-4-0, 7=0-3-0, 14=0-4-0
Max Horz 14=-310(LC 10)
Max Uplift 9=-411(LC 12), 7=-210(LC 17), 14=-255(LC 12)
Max Grav 9=2002(LC 1), 14=1184(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1889/517, 2-3=-2247/591, 3-4=-2017/547, 4-5=-2007/535, 5-6=-1696/443, 6-7=-187/930, 1-14=-1135/347
BOT CHORD 13-14=-225/328, 12-13=-340/1878, 11-12=-296/2101, 10-11=-225/1562, 9-10=-919/274, 7-9=-771/226
WEBS 2-13=-609/229, 2-12=0/318, 5-10=-599/221, 6-10=-441/2336, 6-9=-1610/521, 1-13=-409/1658, 4-11=-116/1054, 3-11=-309/159, 5-11=-52/431

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-10-2, Interior(1) 3-10-2 to 16-2-0, Exterior(2R) 16-2-0 to 19-10-7, Interior(1) 19-10-7 to 38-0-0 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 9, 210 lb uplift at joint 7 and 255 lb uplift at joint 14.
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:

July 21,2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	A09	Common Girder	1	2	T28314028
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:04:55 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-YZ4V7FEI50BFvOswilPnsPUgd3u6govD2_kXXDyw86M

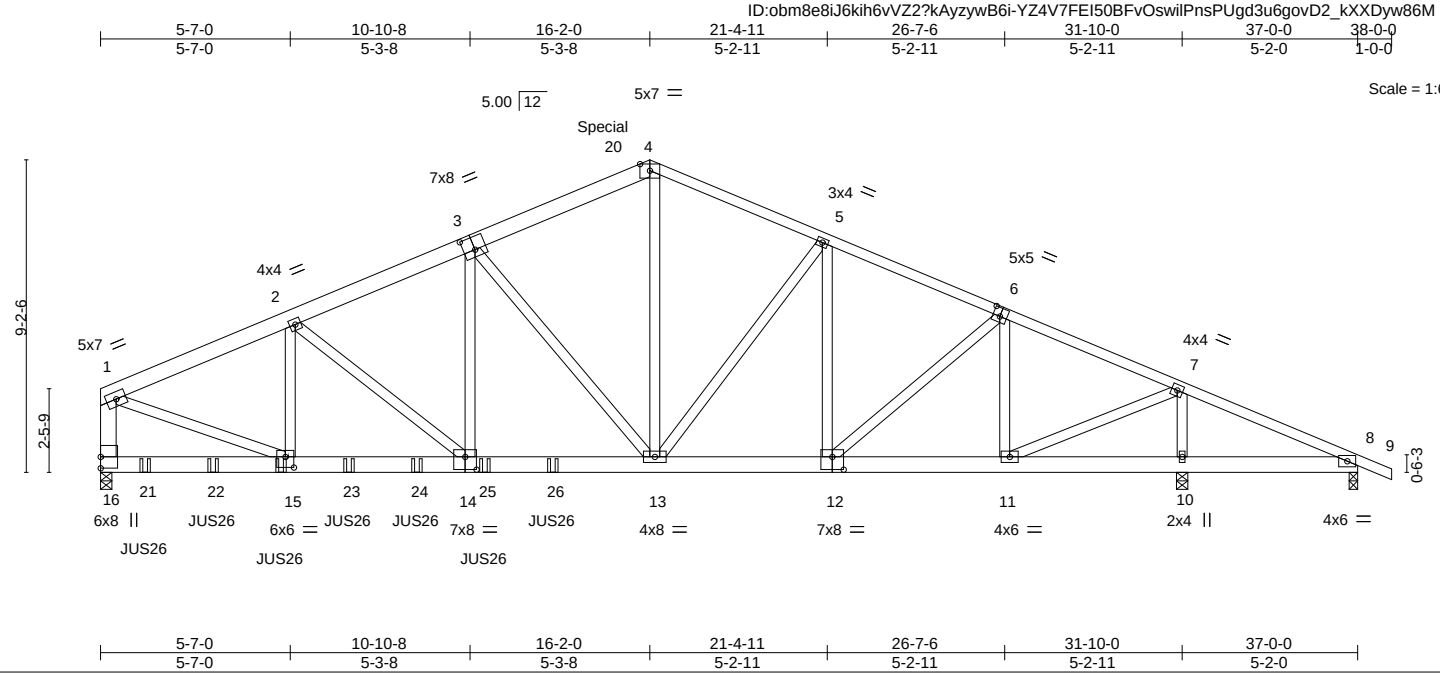


Plate Offsets (X,Y)-- [3:0-4-0,0-4-8], [6:0-2-8,0-3-0], [12:0-4-0,0-4-8], [14:0-4-0,0-4-8], [15:0-3-0,0-3-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	0.13	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.22	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.65	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 543 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 4-6,6-9: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 12-14: 2x6 SP SS
WEBS 2x4 SP No.2 *Except* 1-16: 2x6 SP No.2

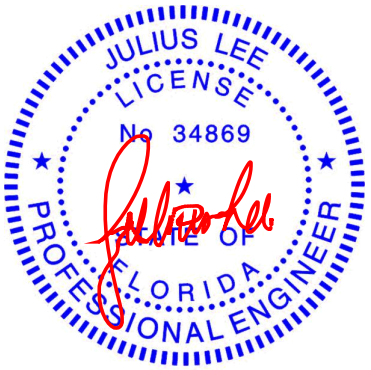
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11,8-10.

REACTIONS. (size) 16=0-4-0, 10=0-4-0, 8=0-3-0
Max Horz 16=-304(LC 23)
Max Uplift 16=-1529(LC 8), 10=-1056(LC 8), 8=-382(LC 17)
Max Grav 16=5392(LC 1), 10=3827(LC 1), 8=184(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6199/1863, 2-3=-5934/1872, 3-4=-4524/1466, 4-5=-4463/1456, 5-6=-4070/1270, 6-7=-2966/864, 7-8=-342/1211, 1-16=-4627/1392
BOT CHORD 15-16=-268/476, 14-15=-1555/5653, 13-14=-1455/5379, 12-13=-926/3742, 11-12=-631/2699, 10-11=-1055/375, 8-10=-1055/375
WEBS 2-15=-359/324, 2-14=-364/144, 3-14=-525/1692, 3-13=-2157/740, 4-13=-594/1893, 5-13=-529/755, 5-12=-894/328, 6-12=-387/1378, 6-11=-1610/533, 7-11=-1087/4062, 7-10=-3553/1068, 1-15=-1659/5729

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; 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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1529 lb uplift at joint 16, 1056 lb uplift at joint 10 and 382 lb uplift at joint 8.
9) Use MiTek JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-3-12 from the left end to 13-3-12 to connect truss(es) to back face of bottom chord.

Continued on page 2



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Date: July 21,2022

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Chesterfield, MO 63017

NOTES-

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) 1491 lb down and 493 lb up at 15-4-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

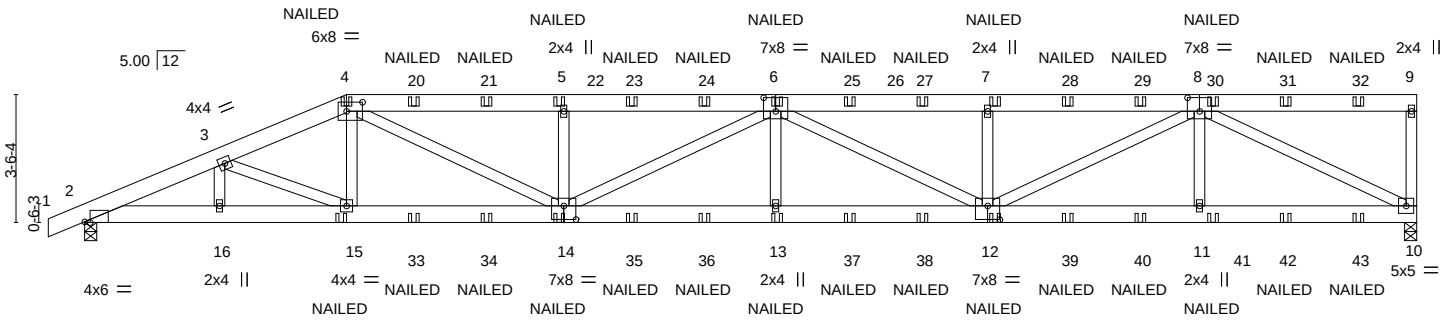
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-9=-60, 16-17=-20
   Concentrated Loads (lb)
   Vert: 15=-638(B) 20=-1455(B) 21=-638(B) 22=-638(B) 23=-638(B) 24=-638(B) 25=-638(B) 26=-638(B)

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	B01	Half Hip Girder	1	2	T28314029
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:04:59 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-QLJ0zcHo8EigN?AhxbUj0FfPQgGBcYYpzcilg_yw86I

1-0-0	3-8-9	7-2-8	13-2-4	19-0-4	24-10-4	30-8-4	36-8-0
1-0-0	3-8-9	3-5-15	5-11-12	5-10-0	5-10-0	5-10-0	5-11-12

Scale: 3/16"=1'



3-8-9	7-2-8	13-2-4	19-0-4	24-10-4	30-8-4	36-8-0
3-8-9	3-5-15	5-11-12	5-10-0	5-10-0	5-10-0	5-11-12

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

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	0.39	Vert(LL)	0.31	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.58	13-14	>755	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 503 lb	FT = 20%

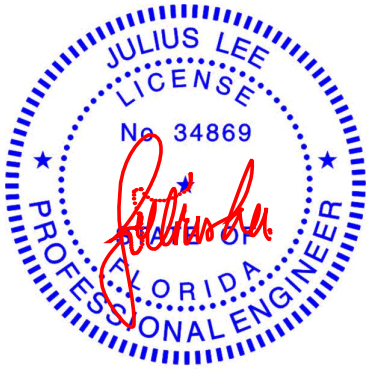
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 10=0-4-0, 2=0-4-0
Max Horz 2=167(LC 7)
Max Uplift 10=-738(LC 8), 2=-675(LC 8)
Max Grav 10=3205(LC 1), 2=2802(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6240/1433, 3-4=-6365/1462, 4-5=-8816/2126, 5-6=-8816/2126, 6-7=-8493/2055, 7-8=-8493/2055, 9-10=-370/194
BOT CHORD 2-16=-1292/5711, 15-16=-1292/5711, 14-15=-1274/5884, 13-14=-2103/9567, 12-13=-2103/9567, 11-12=-1104/5212, 10-11=-1104/5212
WEBS 3-15=-263/364, 4-15=0/482, 4-14=-842/3295, 5-14=-829/461, 6-14=-849/105, 6-13=0/560, 6-12=-1213/170, 7-12=-864/476, 8-12=-962/3705, 8-11=0/554, 8-10=-5790/1273

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 738 lb uplift at joint 10 and 675 lb uplift at joint 2.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.



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Date:

July 21,2022

LOAD CASE(S) Standard

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

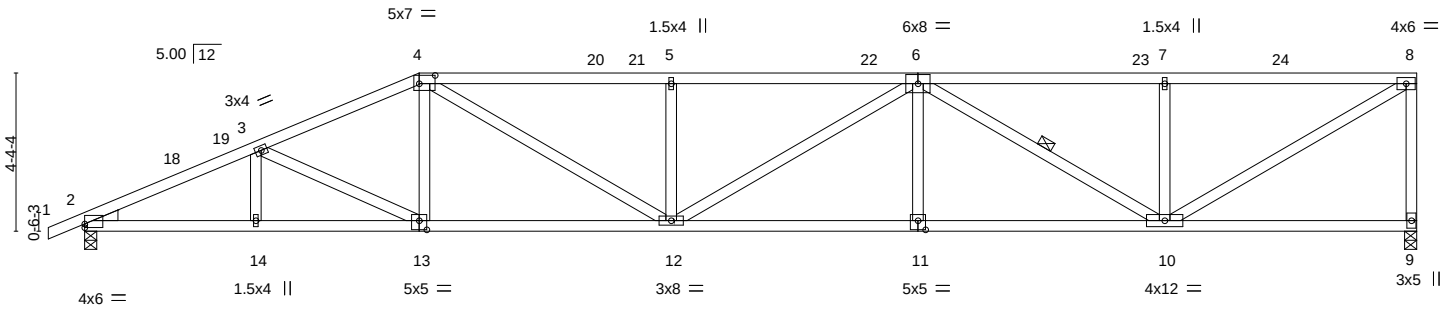
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-9=-60, 10-17=-20
   Concentrated Loads (lb)
   Vert: 4=-137(B) 15=-65(B) 14=-65(B) 5=-137(B) 6=-137(B) 13=-65(B) 12=-65(B) 7=-137(B) 20=-137(B) 21=-137(B) 23=-137(B) 24=-137(B) 25=-137(B) 27=-137(B) 28=-137(B) 29=-137(B) 30=-137(B) 31=-137(B) 32=-137(B) 33=-65(B) 34=-65(B) 35=-65(B) 36=-65(B) 37=-65(B) 38=-65(B) 39=-65(B) 40=-65(B) 41=-65(B) 42=-65(B) 43=-65(B)

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	B02	Half Hip	1	1	T28314030
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:01 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-MjRmOII3gsyOdJJ430WB5gkexUza4WG6RwBsltyw86G

1-0-0	4-8-9	9-2-8	16-1-12	22-11-4	29-8-12	36-8-0
1-0-0	4-8-9	4-5-15	6-11-4	6-9-8	6-9-8	6-11-4

Scale: 3/16"=1'



4-8-9	9-2-8	16-1-12	22-11-4	29-8-12	36-8-0
4-8-9	4-5-15	6-11-4	6-9-8	6-9-8	6-11-4

Plate Offsets (X,Y)-- [2:0-0-0,0-1-3], [4:0-5-4,0-2-12], [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	0.77	Vert(LL)	0.26	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.53	11-12	>828	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.12	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 196 lb	FT = 20%

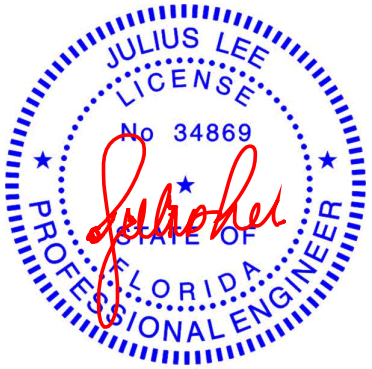
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-10

REACTIONS. (size) 9=0-4-0, 2=0-4-0
Max Horz 2=216(LC 11)
Max Uplift 9=-312(LC 12), 2=-361(LC 12)
Max Grav 9=1460(LC 1), 2=1522(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3009/779, 3-4=-2745/778, 4-5=-3330/935, 5-6=-3330/935, 6-7=-2081/594, 7-8=-2081/594, 8-9=-1396/422
BOT CHORD 2-14=-918/2705, 13-14=-918/2705, 12-13=-806/2504, 11-12=-849/3065, 10-11=-849/3065
WEBS 3-13=-265/125, 4-13=-9/280, 4-12=-213/1056, 5-12=-482/265, 6-12=-112/308, 6-10=-1147/308, 7-10=-481/262, 8-10=-613/2379

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-8-0, Interior(1) 2-8-0 to 9-2-8, Exterior(2R) 9-2-8 to 14-4-12, Interior(1) 14-4-12 to 36-6-4 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 312 lb uplift at joint 9 and 361 lb uplift at joint 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.



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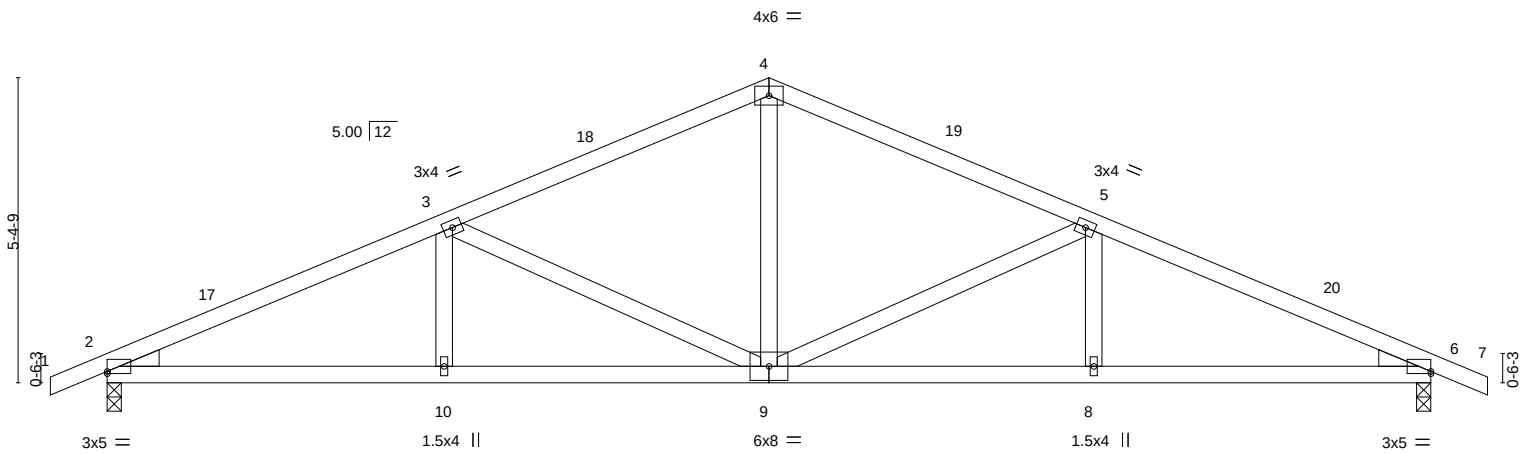
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	C01	Common	2	1	T28314031
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:02 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-qw?8beJhR94FESuGdj1QetGw_tOup1YFfaxPHJyw86F

-1-0-0	5-11-5	11-8-0	17-4-11	23-4-0	24-4-0
1-0-0	5-11-5	5-8-11	5-8-11	5-11-5	1-0-0

Scale = 1:40.6



5-11-5	11-8-0	17-4-11	23-4-0
5-11-5	5-8-11	5-8-11	5-11-5

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

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	0.37	Vert(LL)	-0.08	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.19	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 110 lb	FT = 20%

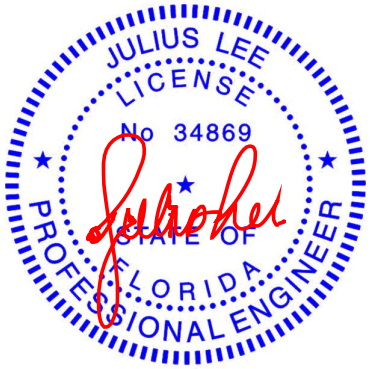
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

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

REACTIONS. (size) 2=0-3-0, 6=0-3-0
Max Horz 2=-128(LC 10)
Max Uplift 2=-250(LC 12), 6=-250(LC 12)
Max Grav 2=993(LC 1), 6=993(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1790/591, 3-4=-1249/498, 4-5=-1249/498, 5-6=-1790/591
BOT CHORD 2-10=-447/1586, 9-10=-447/1586, 8-9=-456/1586, 6-8=-456/1586
WEBS 4-9=-144/568, 5-9=-579/240, 3-9=-579/240

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 11-8-0, Exterior(2R) 11-8-0 to 14-8-0, Interior(1) 14-8-0 to 24-4-0 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 250 lb uplift at joint 2 and 250 lb uplift at joint 6.
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:

July 21,2022

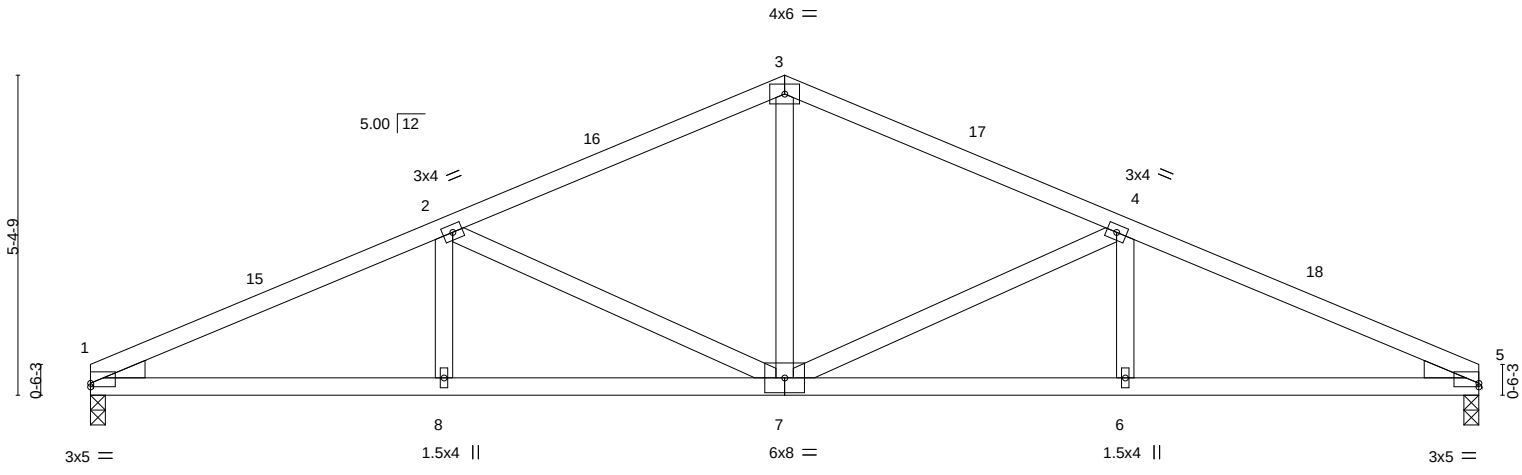
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	C02	Common	1	1	T28314032
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:03 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-J6ZWp_KJCTC6scTSARYfA5p54Hk9YUhPuEgypmyw86E

5-11-5	11-8-0	17-4-11	23-4-0
5-11-5	5-8-11	5-8-11	5-11-5

Scale = 1:38.7



5-11-5	11-8-0	17-4-11	23-4-0
5-11-5	5-8-11	5-8-11	5-11-5

Plate Offsets (X,Y)-- [1:0-0-0,0-0-11], [5:0-0-0,0-0-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	-0.08	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.19	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.06	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 107 lb	FT = 20%

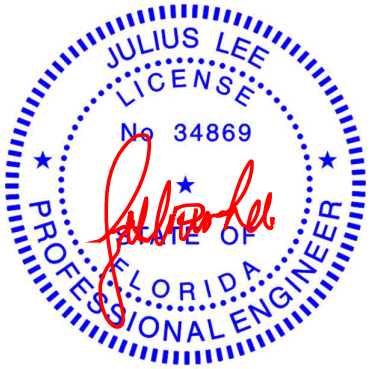
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

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

REACTIONS. (size) 1=0-3-0, 5=0-3-0
Max Horz 1=-118(LC 10)
Max Uplift 1=-199(LC 12), 5=-199(LC 12)
Max Grav 1=933(LC 1), 5=933(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1804/605, 2-3=-1256/505, 3-4=-1256/505, 4-5=-1804/605
BOT CHORD 1-8=-491/1600, 7-8=-491/1600, 6-7=-482/1600, 5-6=-482/1600
WEBS 3-7=-151/574, 4-7=-588/244, 2-7=-588/244

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 11-8-0, Exterior(2R) 11-8-0 to 14-8-0, Interior(1) 14-8-0 to 23-4-0 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 199 lb uplift at joint 1 and 199 lb uplift at joint 5.
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:

July 21,2022

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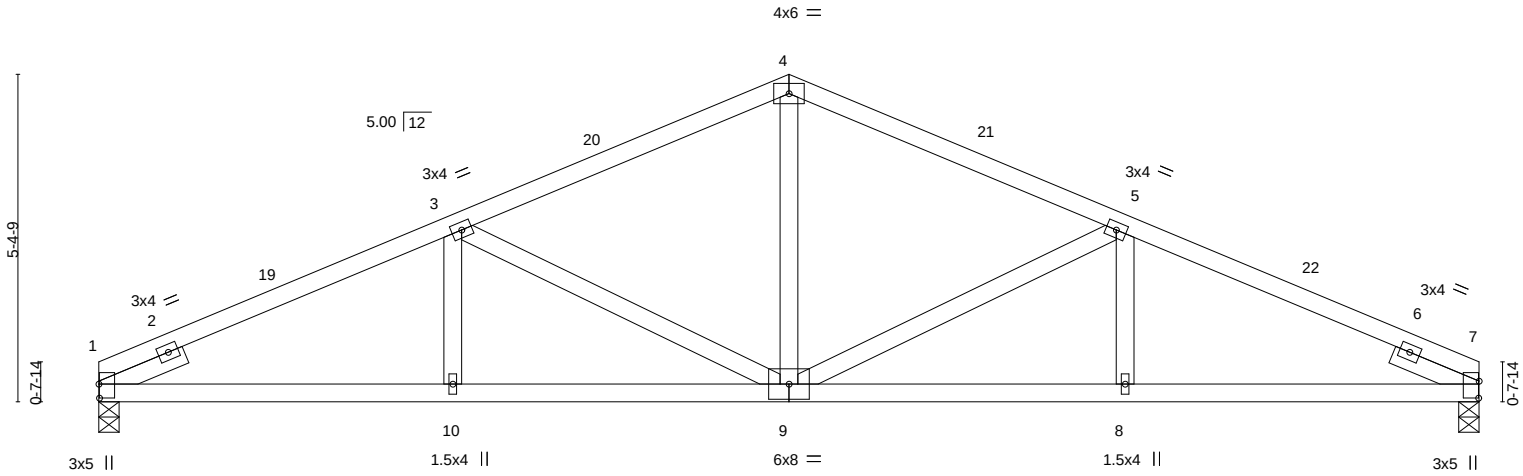
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	C03	Common	3	1	T28314033
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:05 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-FVhHDgLZk4Sq5wdrIsa7GWuRD5Q30PIiMY93ueyw86C

5-9-12	11-4-0	16-10-4	22-8-0
5-9-12	5-6-4	5-6-4	5-9-12

Scale = 1:37.8



5-9-12	11-4-0	16-10-4	22-8-0
5-9-12	5-6-4	5-6-4	5-9-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.07	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.17	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 107 lb	FT = 20%

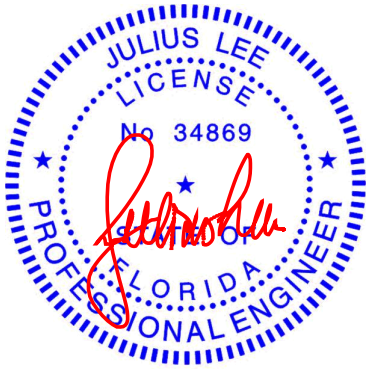
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0, Right 2x4 SP No.2 1-6-0

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

REACTIONS. (size) 1=0-4-0, 7=0-4-0
Max Horz 1=115(LC 11)
Max Uplift 1=-193(LC 12), 7=-193(LC 12)
Max Grav 1=907(LC 1), 7=907(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1635/574, 3-4=-1186/492, 4-5=-1186/492, 5-7=-1634/574
BOT CHORD 1-10=-457/1455, 9-10=-457/1455, 8-9=-449/1455, 7-8=-449/1455
WEBS 3-9=-508/219, 4-9=-142/522, 5-9=-508/219

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 11-4-0, Exterior(2R) 11-4-0 to 14-4-0, Interior(1) 14-4-0 to 22-8-0 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) 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 193 lb uplift at joint 1 and 193 lb uplift at joint 7.
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:

July 21,2022

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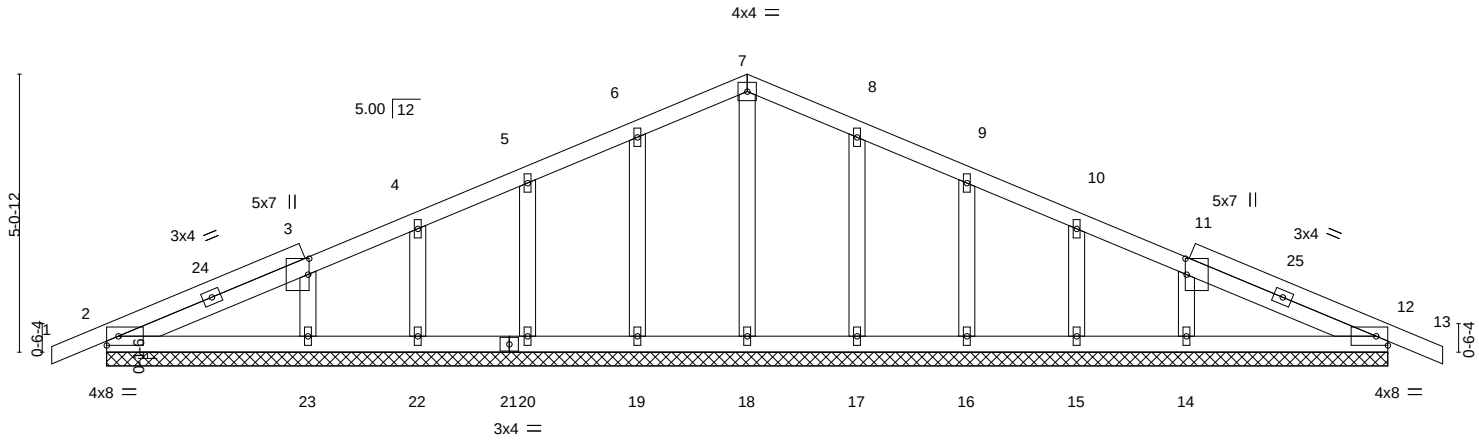
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	C4GE	Common Supported Gable	1	1	T28314034
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:07 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-Bto1eMNpGiiYLEnDPHdbLx_rGuBfUOL_pseAyXyw86A

-1-0-0 1-0-0 | 11-8-0 11-8-0 | 23-4-0 11-8-0 | 24-4-0 1-0-0

Scale = 1:42.0



23-4-0
23-4-0

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

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	0.08	Vert(LL)	0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	0.00	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 122 lb	FT = 20%

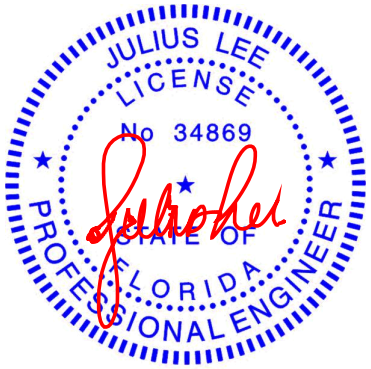
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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 23-4-0.
(lb) - Max Horz 2=120(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 22, 23, 17, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 18, 19, 20, 22, 17, 16, 15 except 23=260(LC 17), 14=258(LC 22)

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=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-0-0 to 2-0-0, Exterior(2N) 2-0-0 to 11-8-0, Corner(3R) 11-8-0 to 14-8-0, Exterior(2N) 14-8-0 to 24-4-0 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, 19, 20, 22, 23, 17, 16, 15, 14.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2022

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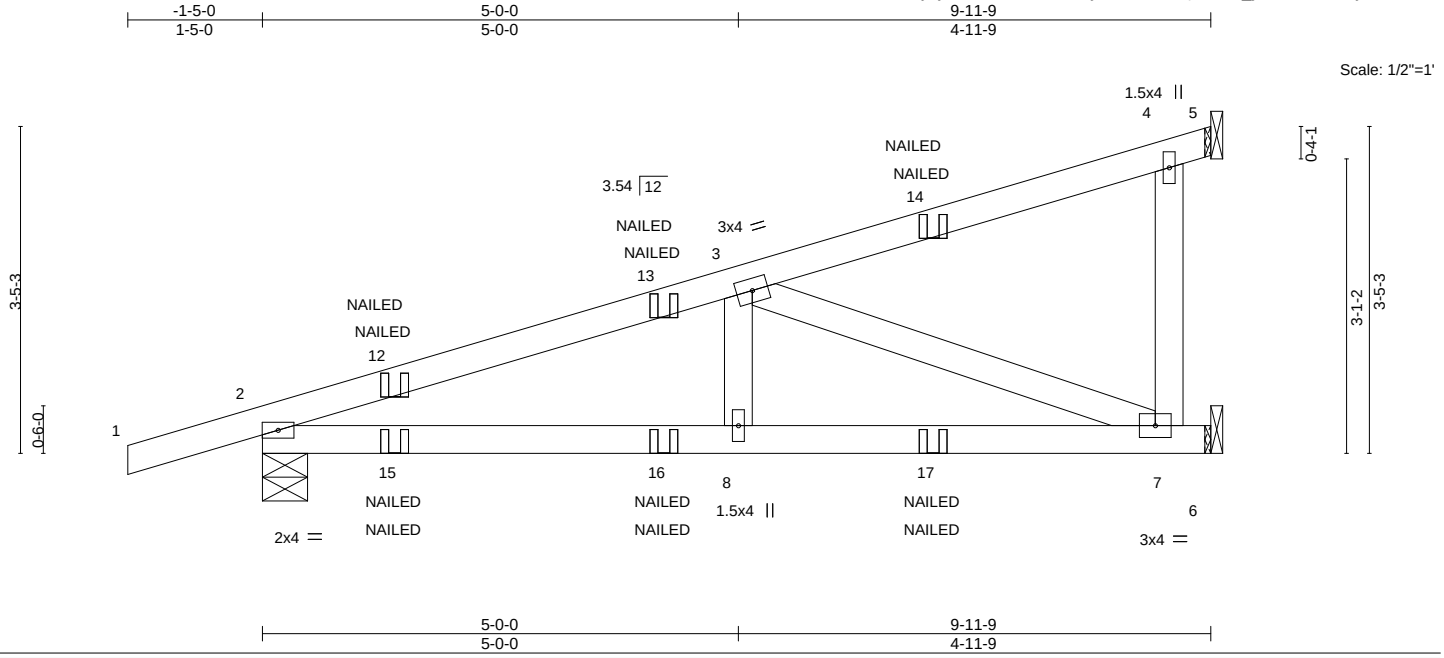
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	CJ01	Diagonal Hip Girder	1	1	T28314035
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:09 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-7Gwo31O4oJyFaXxcXhf3QM34cil_yDrHGA7H1Pyw868



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.05	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.12	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 45 lb	FT = 20%

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

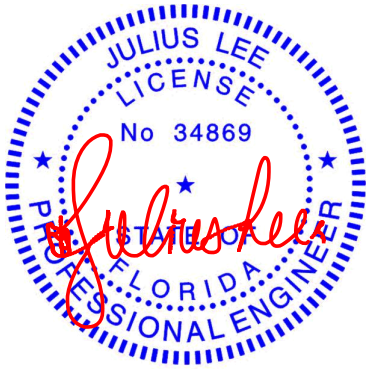
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-5-11, 6=Mechanical
Max Horz 2=146(LC 8)
Max Uplift 2=-153(LC 8), 6=-212(LC 8)
Max Grav 5=225(LC 3), 2=530(LC 1), 6=367(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-922/139
BOT CHORD 2-8=-213/849, 7-8=-213/849
WEBS 3-8=0/267, 3-7=-905/227

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; 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
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=153, 6=212.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
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: 1-5=-60, 6-9=-20
Concentrated Loads (lb)
Vert: 14=-95(F=-48, B=-48) 15=10(F=5, B=5) 16=-11(F=-5, B=-5) 17=-61(F=-31, B=-31)



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Date:

July 21,2022

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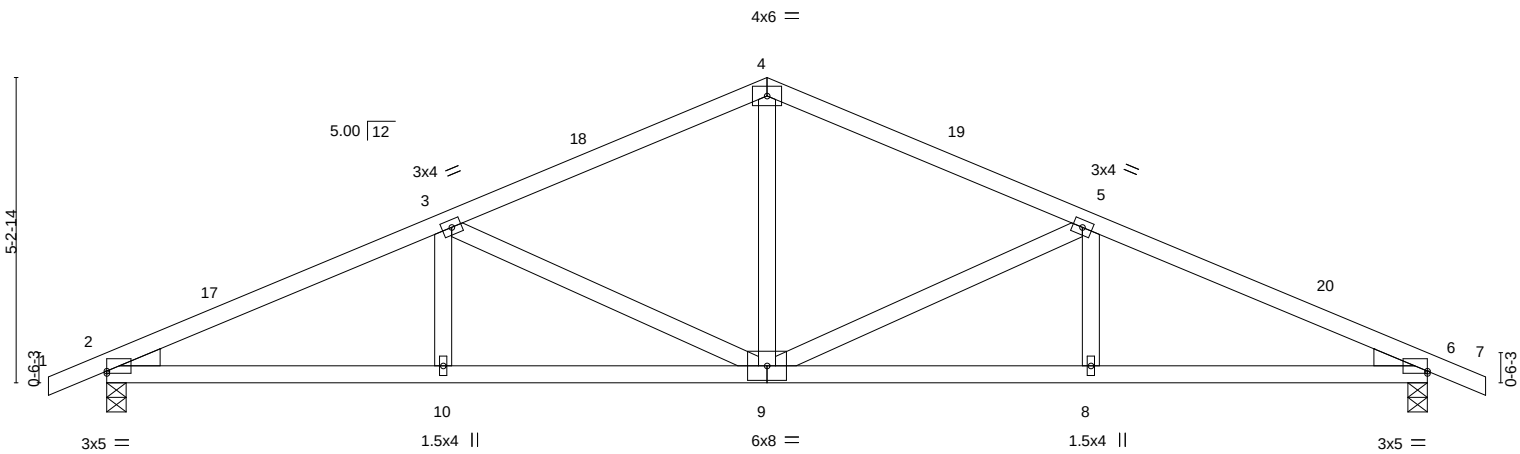
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	D01	Common	9	1	T28314036
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:10 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-bSUAHNPiZd46ChVo5PAIzZcI9677hg4RVqtqZsyw867

-1-0-0 1-0-0 | 5-9-5 5-9-5 | 11-4-0 5-6-11 | 16-10-11 5-6-11 | 22-8-0 5-9-5 | 23-8-0 1-0-0

Scale = 1:39.5



5-9-5 5-9-5 | 11-4-0 5-6-11 | 16-10-11 5-6-11 | 22-8-0 5-9-5

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

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	0.36	Vert(LL)	-0.08	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.18	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 107 lb	FT = 20%

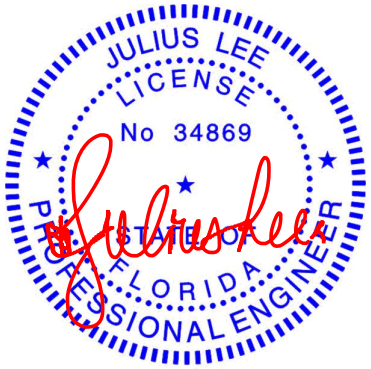
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

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

REACTIONS. (size) 2=0-4-0, 6=0-4-0
Max Horz 2=125(LC 11)
Max Uplift 2=-244(LC 12), 6=-244(LC 12)
Max Grav 2=967(LC 1), 6=967(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1732/585, 3-4=-1212/492, 4-5=-1212/493, 5-6=-1732/585
BOT CHORD 2-10=-441/1535, 9-10=-441/1535, 8-9=-451/1535, 6-8=-451/1535
WEBS 4-9=-144/549, 5-9=-558/237, 3-9=-558/237

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 11-4-0, Exterior(2R) 11-4-0 to 14-4-0, Interior(1) 14-4-0 to 23-8-0 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) 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=244, 6=244.
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
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2022

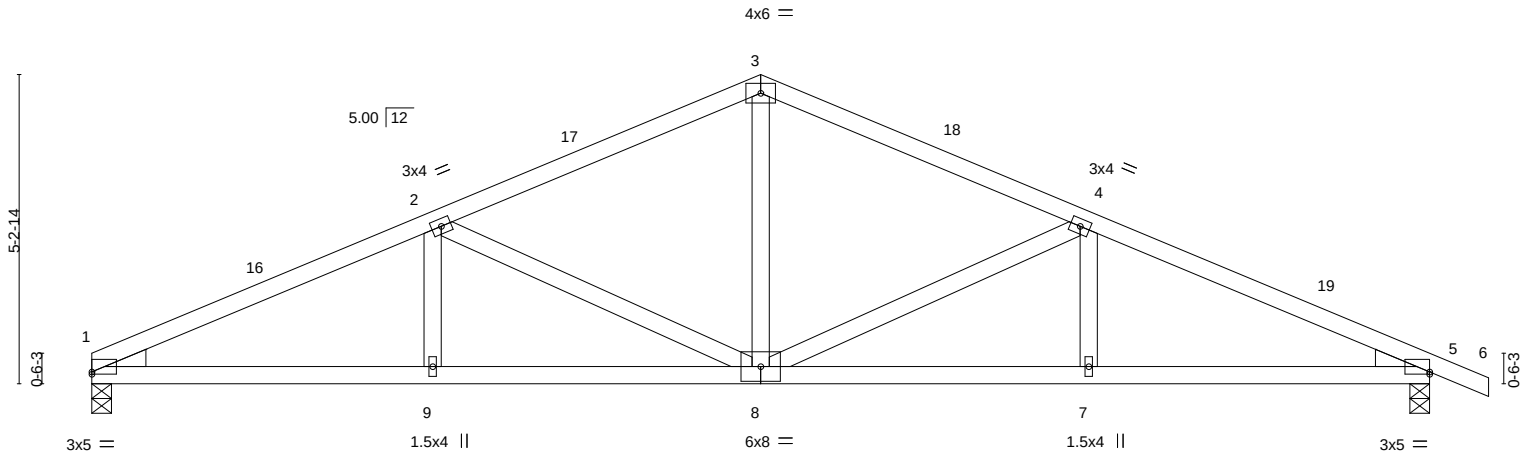
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	D02	Common	3	1	T28314037
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:11 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-4e2YUjQKKwCzpr4?e6hXVn8TuWTMQ6EakUcN6Iyw866

5-9-5	11-4-0	16-10-11	22-8-0	23-8-0
5-9-5	5-6-11	5-6-11	5-9-5	1-0-0

Scale = 1:39.0



5-9-5	11-4-0	16-10-11	22-8-0
5-9-5	5-6-11	5-6-11	5-9-5

Plate Offsets (X,Y)-- [1:0-0-0,0-0-7], [5:Edge,0-0-7]

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	0.36	Vert(LL)	-0.08	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.18	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.05	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 105 lb	FT = 20%

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

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

REACTIONS. (size) 1=0-4-0, 5=0-4-0
Max Horz 1=-124(LC 10)
Max Uplift 1=-192(LC 12), 5=-245(LC 12)
Max Grav 1=905(LC 1), 5=968(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1743/598, 2-3=-1215/498, 3-4=-1215/494, 4-5=-1735/590
BOT CHORD 1-9=-450/1546, 8-9=-450/1546, 7-8=-456/1537, 5-7=-456/1537
WEBS 3-8=-150/552, 4-8=-558/237, 2-8=-567/241

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 11-4-0, Exterior(2R) 11-4-0 to 14-4-0, Interior(1) 14-4-0 to 23-8-0 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) 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) 1=192, 5=245.
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:

July 21,2022

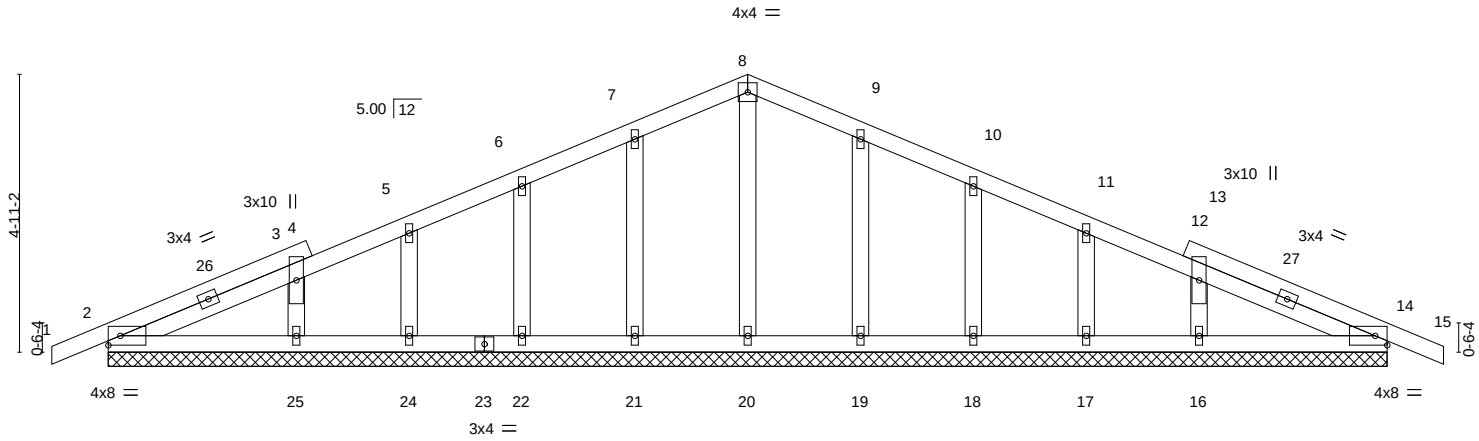
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	D3GE	Common Supported Gable	1	1	T28314038
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:12 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-Yrcwh3Ry5ELqR?fBCqCm2_hi7vu39eekz8Mxekyw865

-1-0-0 1-0-0 | 11-4-0 11-4-0 | 22-8-0 11-4-0 | 23-8-0 1-0-0

Scale = 1:40.8



22-8-0
22-8-0

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	0.07	Vert(LL)	0.00	14	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	0.00	14	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 118 lb	FT = 20%

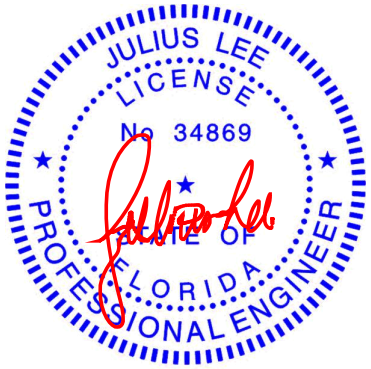
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 22-8-0.
(lb) - Max Horz 2=-117(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 22, 24, 25, 19, 18, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 22, 24, 25, 19, 18, 17, 16

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-0-0 to 2-0-0, Exterior(2N) 2-0-0 to 11-4-0, Corner(3R) 11-4-0 to 14-4-0, Exterior(2N) 14-4-0 to 23-8-0 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) 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, 14, 21, 22, 24, 25, 19, 18, 17, 16.



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

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	G01	Common	2	1	T28314039
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:13 2022 Page 1
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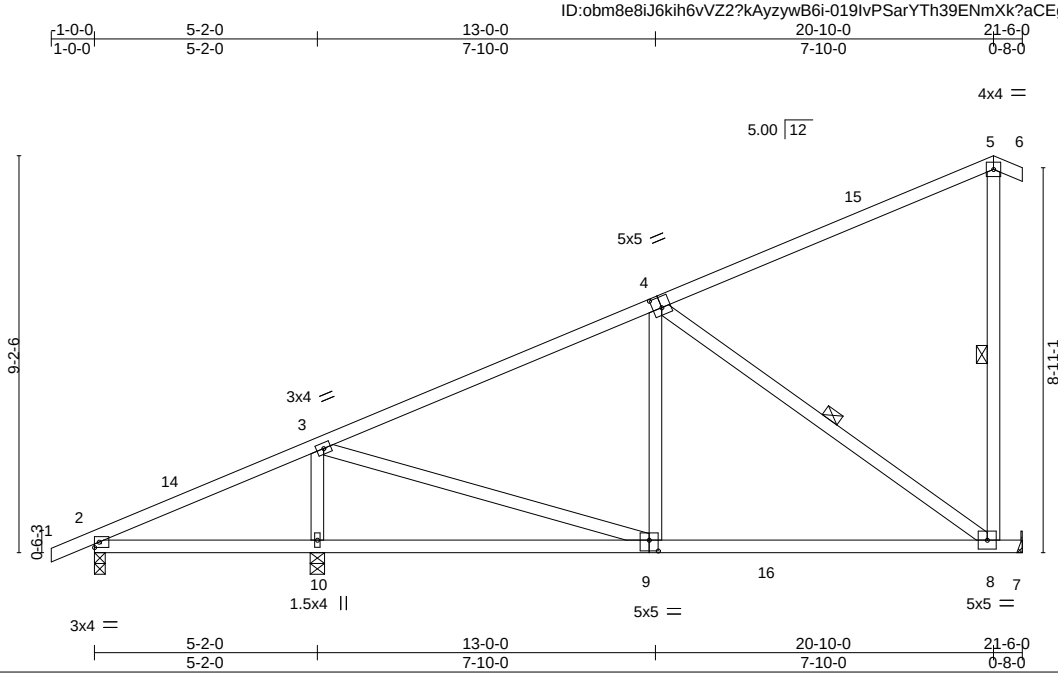


Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [9:0-2-8,0-3-0]

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	0.91	Vert(LL)	-0.40	8-9	>485	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.78	8-9	>249	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 118 lb	FT = 20%

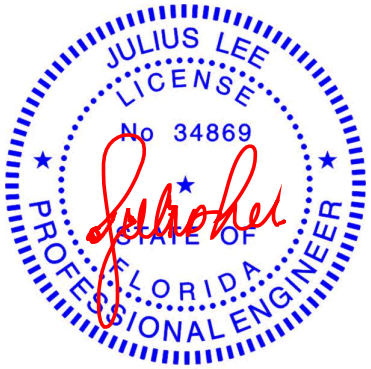
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
7-9: 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-8, 5-8

REACTIONS. (size) 2=0-3-0, 10=0-4-0, 7=Mechanical
Max Horz 2=357(LC 12)
Max Uplift 2=-127(LC 16), 10=-253(LC 12), 7=-221(LC 12)
Max Grav 2=31(LC 9), 10=1496(LC 17), 7=659(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-341/726, 3-4=-478/0
BOT CHORD 2-10=-538/0, 9-10=-538/0, 8-9=-207/394
WEBS 3-10=-1187/486, 3-9=-126/973, 4-8=-488/257, 5-8=-274/253

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 20-10-0, Exterior(2E) 20-10-0 to 21-6-0 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) 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) except (jt=lb) 2=127, 10=253, 7=221.
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
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	G02	Common	1	1	T28314040
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:14 2022 Page 1
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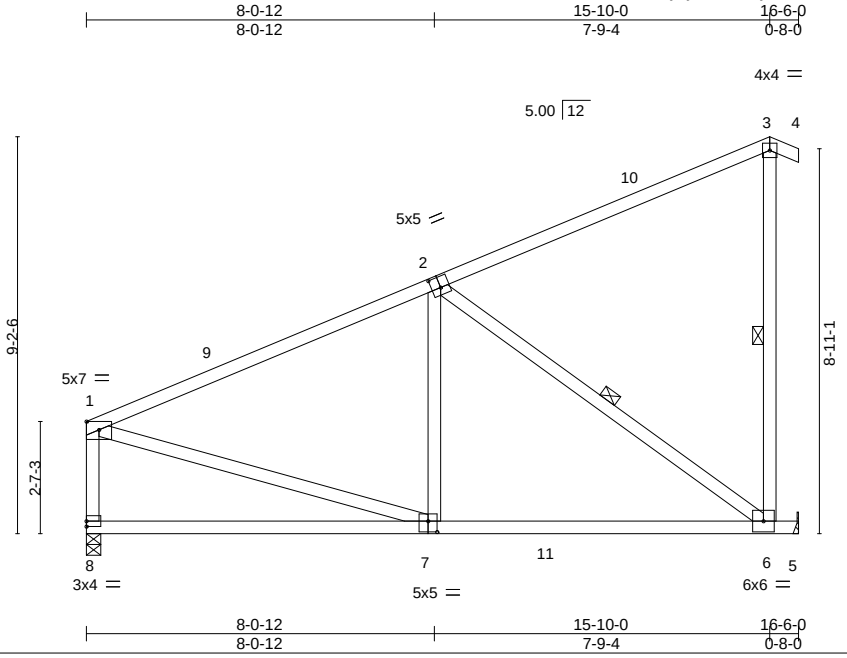


Plate Offsets (X,Y)-- [1:Edge,0-2-5], [2:0-2-8,0-3-0], [7:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	-0.43	6-7	>457	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.83	6-7	>235	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 101 lb	FT = 20%

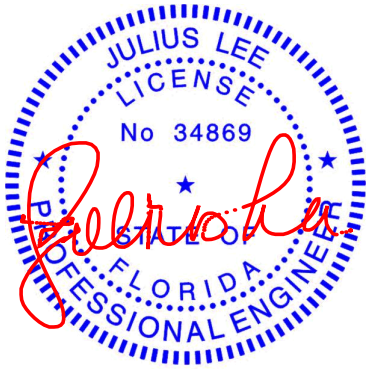
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-7: 2x4 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-6, 2-6

REACTIONS. (size) 8=0-4-0, 5=Mechanical
Max Horz 8=322(LC 12)
Max Uplift 8=-55(LC 12), 5=-259(LC 12)
Max Grav 8=747(LC 17), 5=787(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-684/106, 1-8=-588/215
BOT CHORD 7-8=-490/323, 6-7=-340/580
WEBS 2-7=0/294, 1-7=0/382, 3-6=-272/293, 2-6=-722/423

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 15-10-0, Exterior(2E) 15-10-0 to 16-6-0 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) 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) 8 except (jt=lb) 5=259.
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:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	G03	Half Hip	1	1	T28314041
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:15 2022 Page 1
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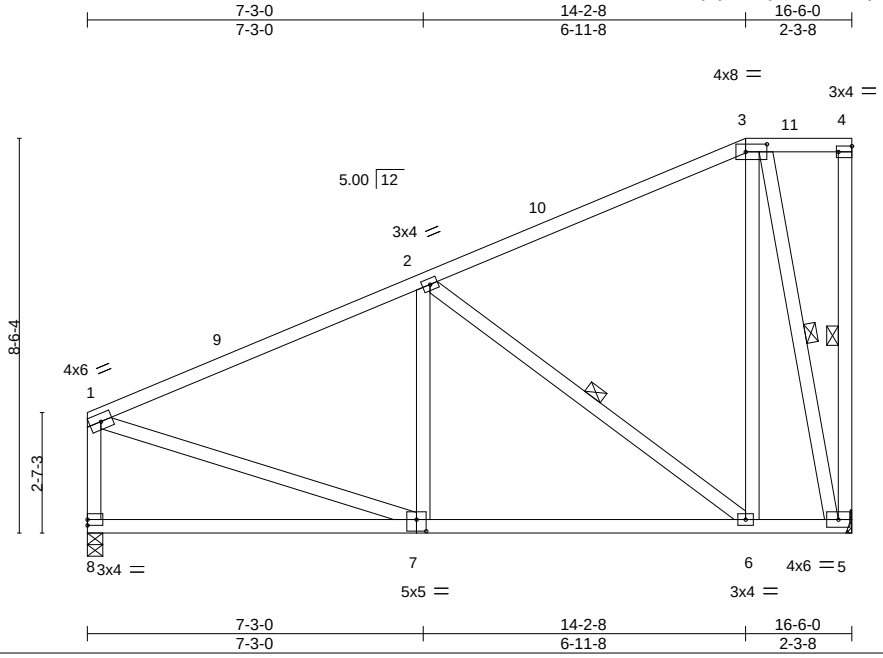


Plate Offsets (X,Y)-- [3:0-5-8,0-2-0], [4:Edge,0-1-8], [7:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.20	6-7	>963	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 121 lb	FT = 20%

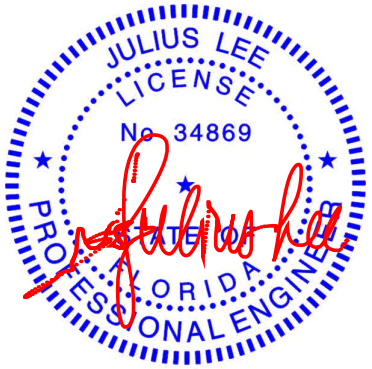
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-5, 2-6, 3-5

REACTIONS. (size) 5=Mechanical, 8=0-4-0
Max Horz 8=417(LC 9)
Max Uplift 5=-185(LC 9), 8=-124(LC 12)
Max Grav 5=650(LC 17), 8=648(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-659/246, 2-3=-332/212, 1-8=-567/277
BOT CHORD 7-8=-589/519, 6-7=-486/659, 5-6=-220/300
WEBS 2-6=-491/333, 3-6=-145/500, 3-5=-694/407, 1-7=-147/478

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 14-2-8, Exterior(2E) 14-2-8 to 16-4-4 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) 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) except (jt=lb) 5=185, 8=124.
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:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	G04	Half Hip	1	1	T28314042
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:16 2022 Page 1
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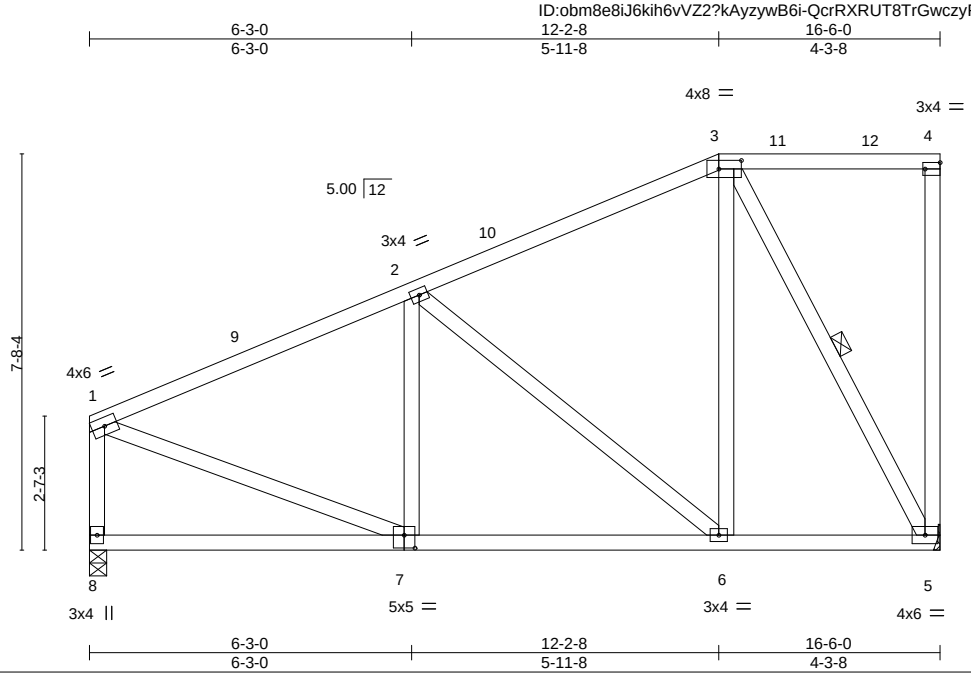


Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [4:Edge,0-1-8], [7:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.06	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.12	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 114 lb	FT = 20%

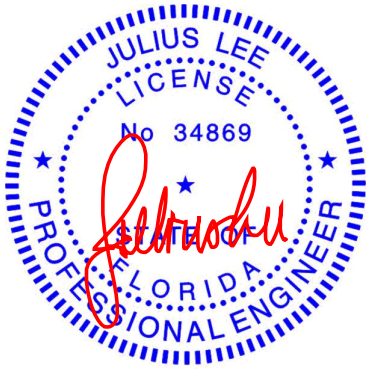
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 5=Mechanical, 8=0-4-0
Max Horz 8=374(LC 9)
Max Uplift 5=-188(LC 9), 8=-127(LC 12)
Max Grav 5=648(LC 1), 8=648(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-652/244, 2-3=-395/242, 1-8=-579/275
BOT CHORD 7-8=-527/455, 6-7=-498/660, 5-6=-289/402
WEBS 2-6=-355/269, 3-6=-69/396, 3-5=-597/372, 1-7=-164/513

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-2-8, Exterior(2E) 12-2-8 to 16-4-4 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) 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) except (jt=lb) 5=188, 8=127.
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:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	G05	Half Hip	1	1	T28314043
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:17 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-uoPplmV5vmz7YmY8?Noxl2OU3wX8qsWT6P3iJyyw860

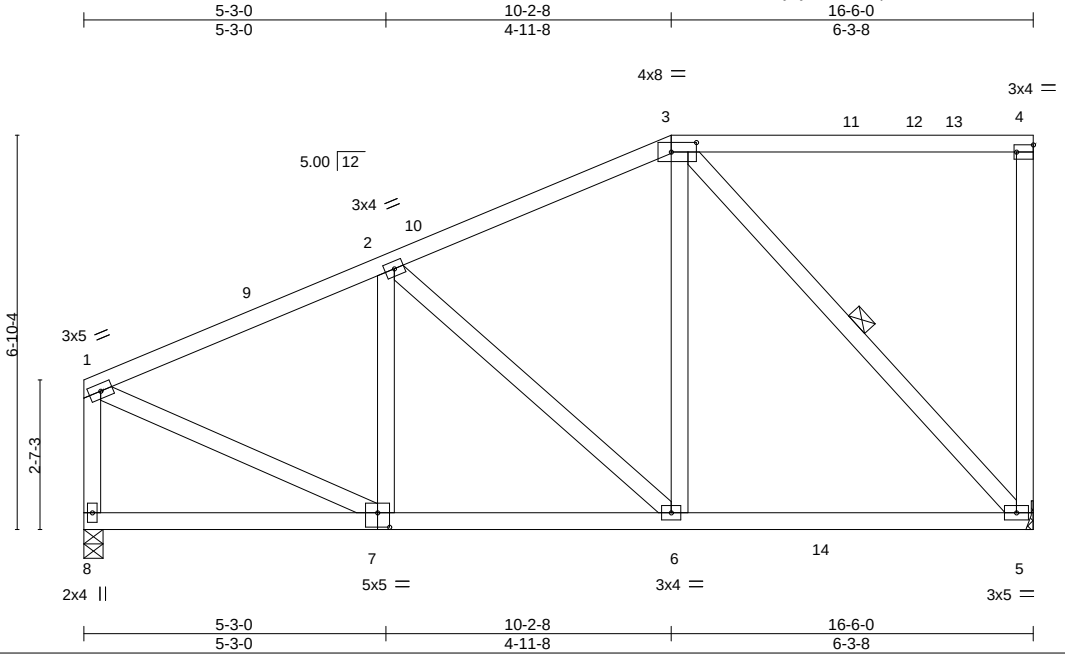


Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [4:Edge,0-1-8], [7:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.05	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.08	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 109 lb	FT = 20%

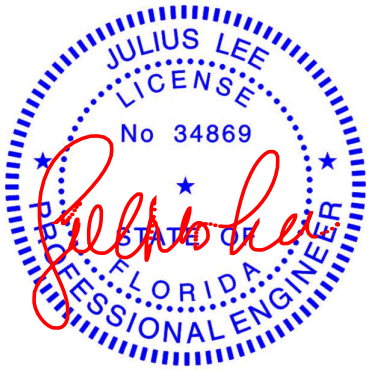
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 5=Mechanical, 8=0-4-0
Max Horz 8=331(LC 9)
Max Uplift 5=-190(LC 9), 8=-130(LC 12)
Max Grav 5=767(LC 17), 8=728(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-701/238, 2-3=-563/269, 1-8=-629/276
BOT CHORD 7-8=-466/395, 6-7=-491/685, 5-6=-339/531
WEBS 3-6=-36/405, 3-5=-710/350, 1-7=-179/582

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-2-8, Exterior(2R) 10-2-8 to 14-5-7, Interior(1) 14-5-7 to 16-4-4 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) 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) except (jt=lb) 5=190, 8=130.
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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Date:

July 21,2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	G06	Half Hip	1	1	T28314044
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:18 2022 Page 1
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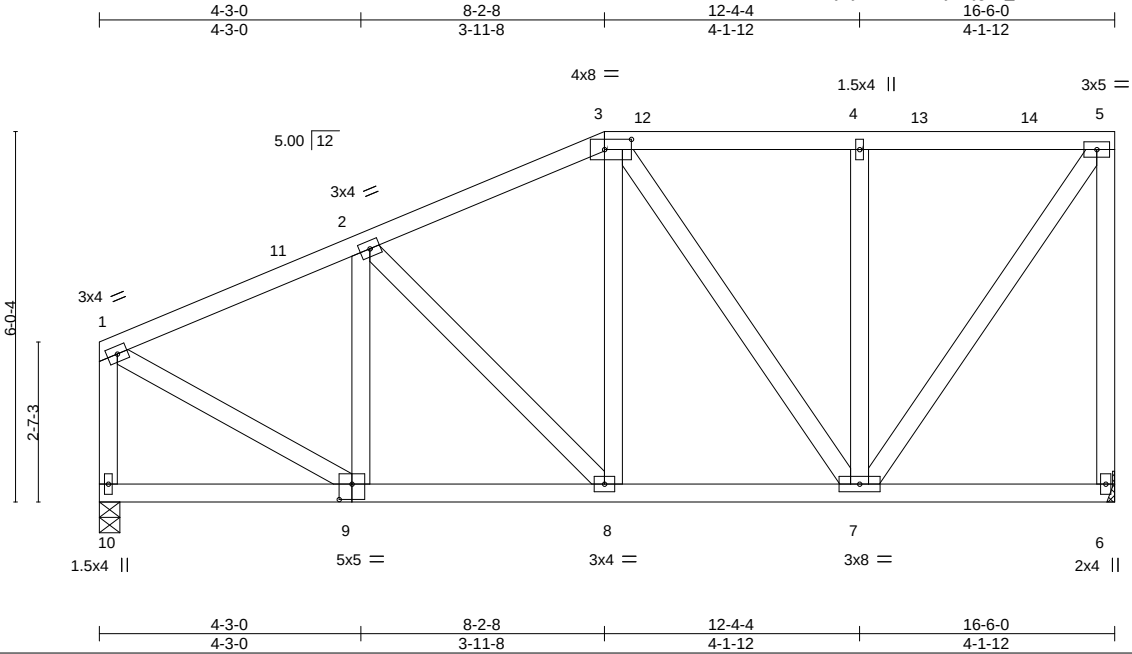

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [9:0-2-8,0-3-0]

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	0.33	Vert(LL)	-0.02	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.04	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 117 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.

REACTIONS. (size) 6=Mechanical, 10=0-4-0
Max Horz 10=287(LC 9)
Max Uplift 6=-188(LC 9), 10=-132(LC 12)
Max Grav 6=648(LC 1), 10=648(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-587/226, 2-3=-561/282, 3-4=-382/260, 4-5=-382/260, 5-6=-609/327, 1-10=-602/277
BOT CHORD 9-10=-401/335, 8-9=-468/614, 7-8=-363/544
WEBS 4-7=-272/183, 5-7=-308/618, 1-9=-196/548

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-2-8, Exterior(2R) 8-2-8 to 12-4-4, Interior(1) 12-4-4 to 16-4-4 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) 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) except (jt=lb) 6=188, 10=132.
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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Date:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	G07	Flat	1	1	T28314045
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:19 2022 Page 1
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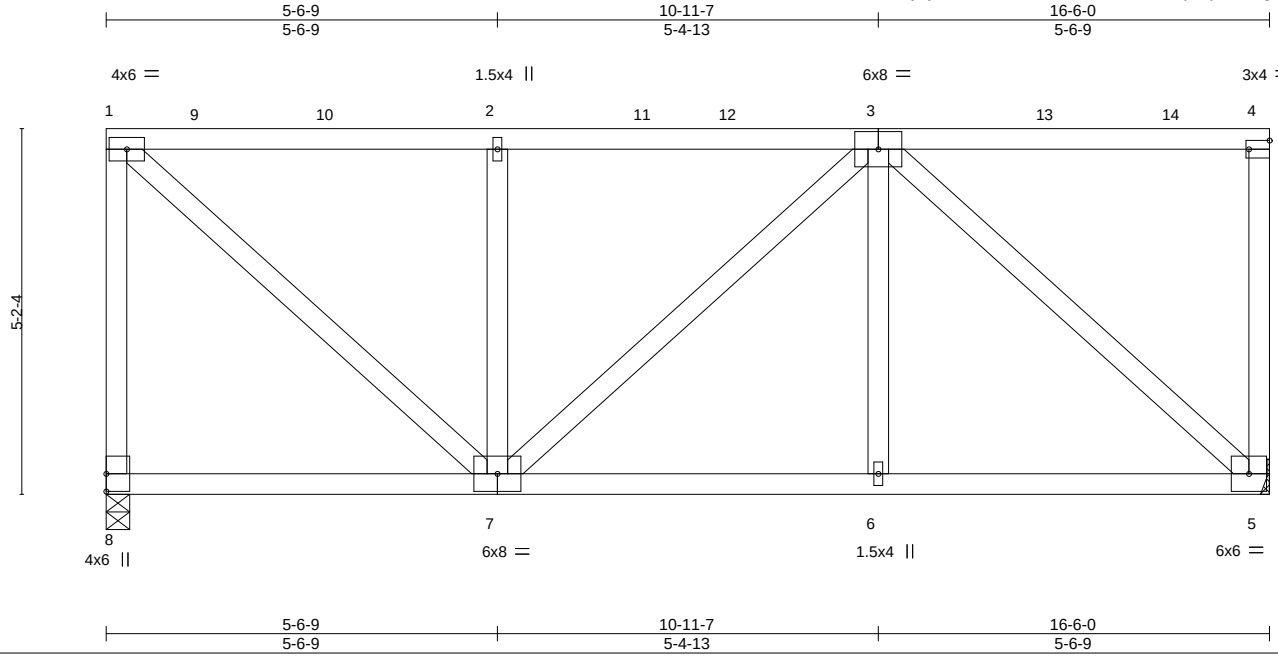


Plate Offsets (X,Y)-- [4:Edge,0-1-8]

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	0.44	Vert(LL)	-0.04	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.08	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 107 lb	FT = 20%

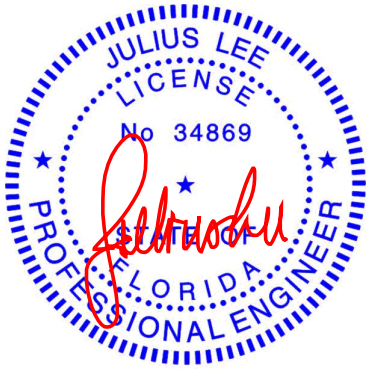
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=0-4-0, 5=Mechanical
Max Horz 8=235(LC 11)
Max Uplift 8=-190(LC 8), 5=-190(LC 9)
Max Grav 8=648(LC 1), 5=648(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-587/636, 1-2=-518/490, 2-3=-518/490, 4-5=-178/266
BOT CHORD 7-8=-280/293, 6-7=-504/491, 5-6=-504/491
WEBS 1-7=-659/672, 2-7=-388/505, 3-6=0/257, 3-5=-627/551

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 13-4-4, Corner(3) 13-4-4 to 16-4-4 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) 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) except (jt=lb) 8=190, 5=190.
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:

July 21,2022

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Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	H01	Common	2	1	T28314046
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:20 2022 Page 1
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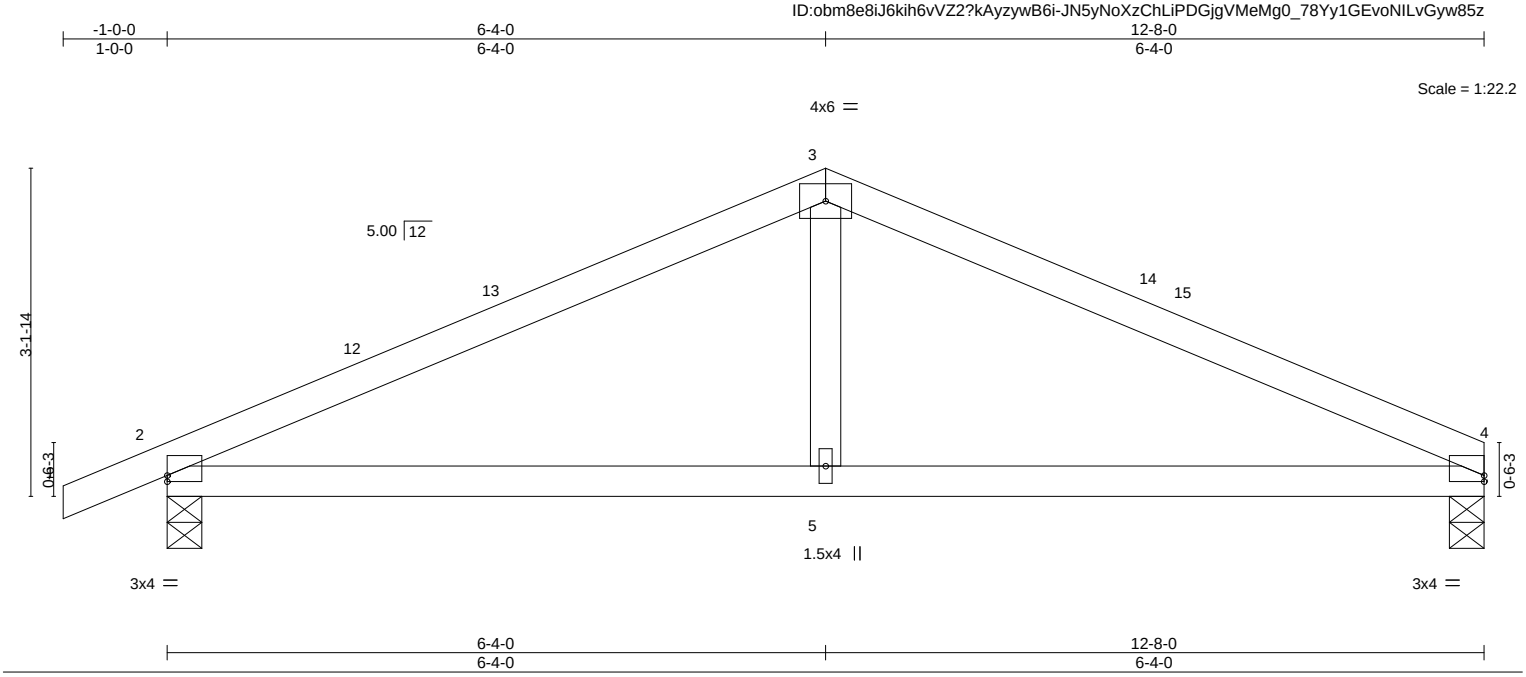


Plate Offsets (X,Y)-- [2:Edge,0-0-11], [4:0-0-0,0-0-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.04	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.08	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 45 lb	FT = 20%

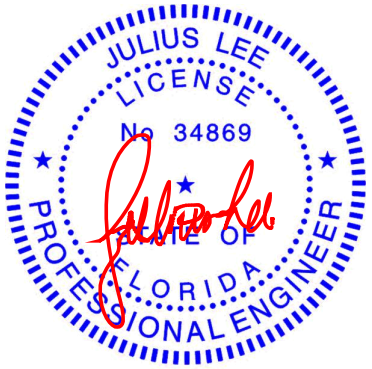
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 4=0-4-0, 2=0-4-0
Max Horz 2=73(LC 11)
Max Uplift 4=-106(LC 12), 2=-161(LC 12)
Max Grav 4=504(LC 1), 2=569(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-768/435, 3-4=-767/444
BOT CHORD 2-5=-306/645, 4-5=-306/645
WEBS 3-5=0/272

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 6-4-0, Exterior(2R) 6-4-0 to 9-4-0, Interior(1) 9-4-0 to 12-8-0 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) 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) 4=106, 2=161.
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:

July 21,2022

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Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	H2GR	Common Girder	1	2	T28314047
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:26 2022 Page 1
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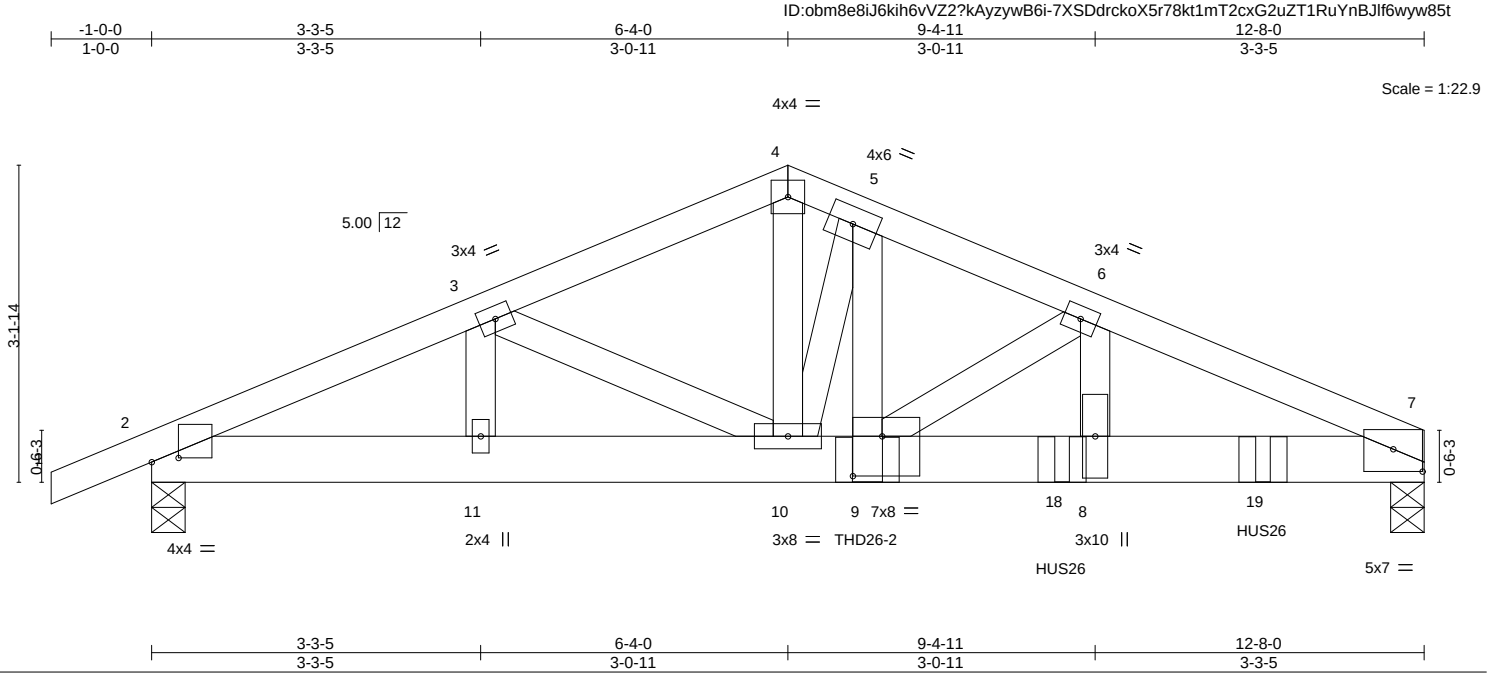

Plate Offsets (X,Y)-- [2:0-3-3,0-0-8], [7:0-3-8,0-2-11], [9:0-3-8,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.07	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.14	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 147 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 4-3-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-4-0, 2=0-4-0
Max Horz 2=73(LC 7)
Max Uplift 7=-999(LC 8), 2=-620(LC 8)
Max Grav 7=4072(LC 1), 2=2301(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4691/1195, 3-4=-5087/1343, 4-5=-4990/1336, 5-6=-5952/1567, 6-7=-7725/1939
BOT CHORD 2-11=-1060/4279, 10-11=-1060/4279, 9-10=-1365/5470, 8-9=-1749/7097, 7-8=-1749/7097
WEBS 4-10=-901/3479, 6-8=-334/1634, 3-10=-343/588, 3-11=-425/165, 6-9=-1965/460, 5-9=-756/2919, 5-10=-2559/678

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, Except member 5-9 2x4 - 1 row at 0-2-0 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=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=999, 2=620.
9) 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) 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 9-0-12 from the left end to 11-0-12 to connect truss(es) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2022

LOAD CASE(S) Standard

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-7=-60, 12-15=-20
   Concentrated Loads (lb)
   Vert: 9=-2769(B) 18=-1265(B) 19=-1265(B)

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Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	H03	Common Girder	1	2	T28314048
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:21 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-naeKa8Ybz?TY0NrwEDttvuZB?Ymfmd62111uRjyw85y

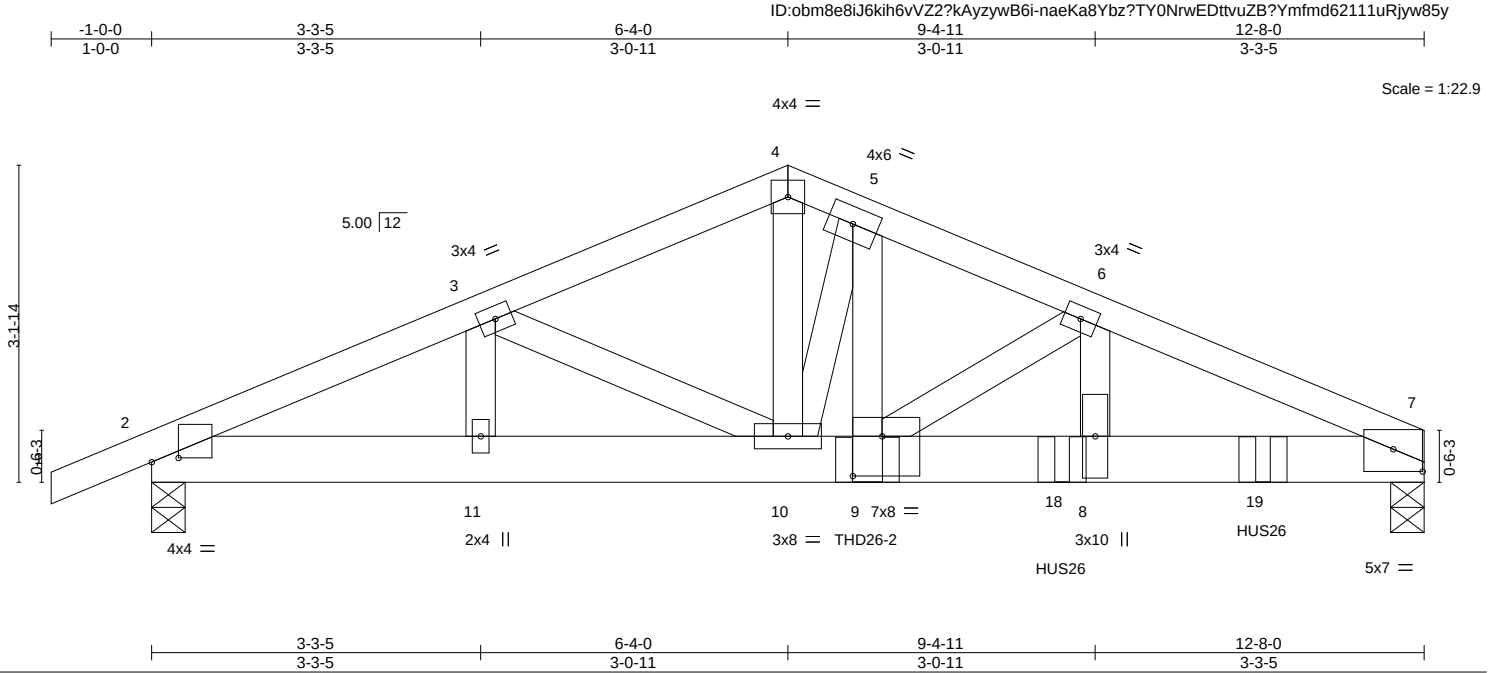

Plate Offsets (X,Y)-- [2:0-3-3,0-0-8], [7:0-3-8,0-2-11], [9:0-3-8,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.07	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.14	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 147 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 4-3-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-4-0, 2=0-4-0
Max Horz 2=73(LC 24)
Max Uplift 7=-959(LC 8), 2=-589(LC 8)
Max Grav 7=4154(LC 1), 2=2365(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4831/1127, 3-4=-5249/1265, 4-5=-5149/1259, 5-6=-6143/1475, 6-7=-7909/1850
BOT CHORD 2-11=-998/4408, 10-11=-998/4408, 9-10=-1280/5647, 8-9=-1667/7266, 7-8=-1667/7266
WEBS 4-10=-846/3593, 6-8=-336/1629, 3-10=-331/613, 3-11=-441/158, 5-9=-709/3018, 5-10=-2642/639, 6-9=-1956/464

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, Except member 5-9 2x4 - 1 row at 0-2-0 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=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=959, 2=589.
9) 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) to front 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 9-0-12 from the left end to 11-0-12 to connect truss(es) to front face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: July 21,2022

LOAD CASE(S) Standard

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

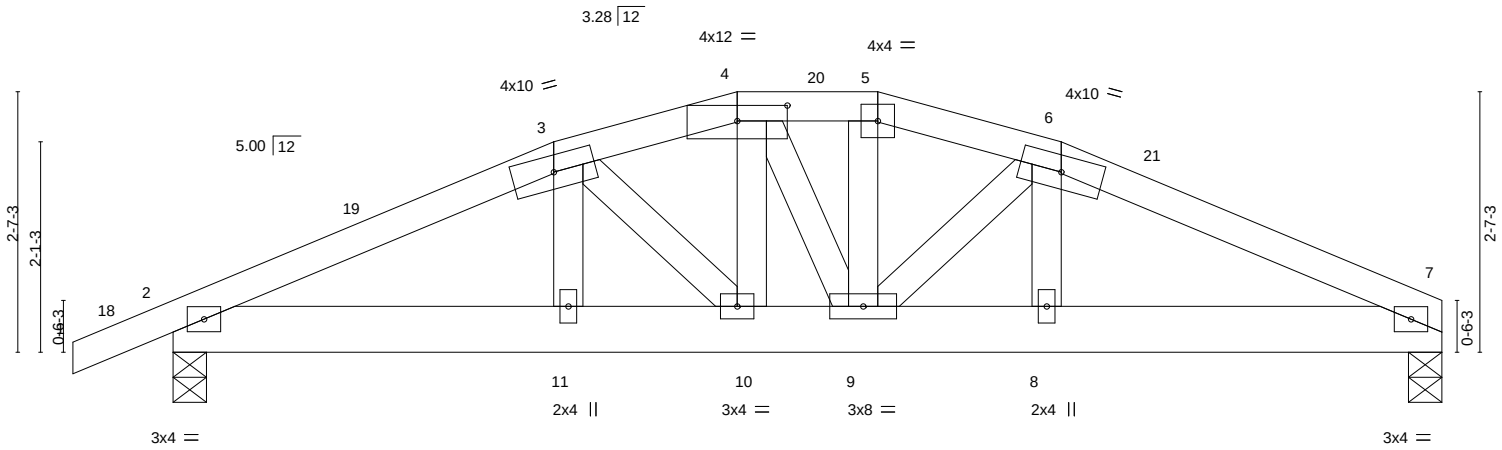
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-7=-60, 12-15=-20
   Concentrated Loads (lb)
   Vert: 9=-2915(F) 18=-1265(F) 19=-1265(F)

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	H04	Hip	1	1	T28314049
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:22 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-FmCioUZEkJbPeXQ6owO6S55OkxI5VAHCGhnSz9yw85x

-1-0-0	3-9-10	5-7-9	7-0-7	8-10-6	12-8-0
1-0-0	3-9-10	1-10-0	1-4-13	1-10-0	3-9-10

Scale = 1:23.0



3-9-10	5-7-9	7-0-7	8-10-6	12-8-0
3-9-10	1-10-0	1-4-13	1-10-0	3-9-10

Plate Offsets (X,Y)-- [4:0-6-0,0-1-14]

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	0.19	Vert(LL)	0.02	10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.03	10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 71 lb	FT = 20%

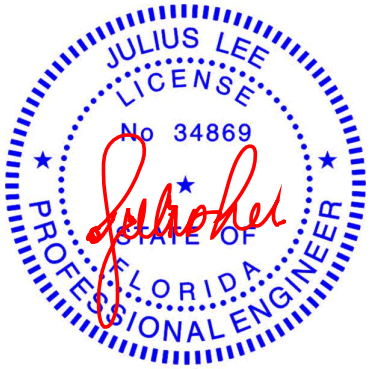
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 7=0-4-0, 2=0-4-0
Max Horz 2=54(LC 11)
Max Uplift 7=-106(LC 12), 2=-161(LC 12)
Max Grav 7=504(LC 1), 2=569(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-873/646, 3-4=-740/598, 4-5=-708/590, 5-6=-744/593, 6-7=-884/614
BOT CHORD 2-11=-537/768, 10-11=-535/772, 9-10=-447/704, 8-9=-491/783, 7-8=-493/779

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 3-9-10, Exterior(2E) 3-9-10 to 12-8-0 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=106, 2=161.
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:

July 21,2022

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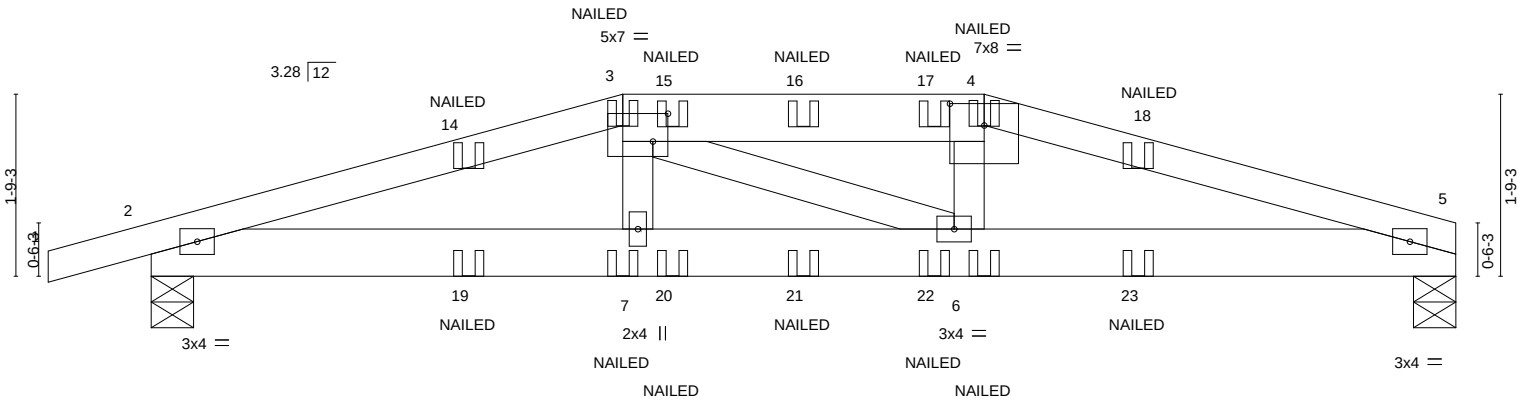
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	H05	Hip Girder	1	1	T28314050
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:23 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-jym4?qZsVcjGGh?lLevL_JeZVLc7EdILULW?Wbyw85w

-1-0-0 | 4-6-15 | 8-1-1 | 12-8-0
1-0-0 | 4-6-15 | 3-6-2 | 4-6-15

Scale = 1:22.4



4-6-15 | 8-1-1 | 12-8-0
4-6-15 | 3-6-2 | 4-6-15

Plate Offsets (X,Y)-- [3:0-1-12,0-3-4], [4:0-4-0,0-2-9]

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	0.19	Vert(LL)	-0.03	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.07	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 61 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
3-4: 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

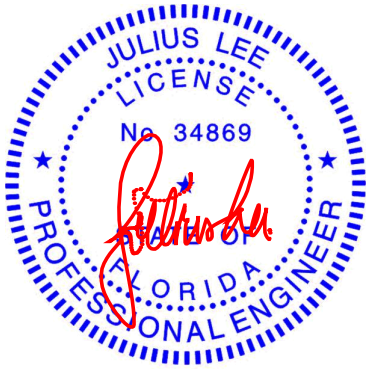
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-4-15, 2=0-4-15
Max Horz 2=26(LC 21)
Max Uplift 5=-120(LC 8), 2=-175(LC 8)
Max Grav 5=582(LC 1), 2=644(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1371/286, 3-4=-1320/292, 4-5=-1388/294
BOT CHORD 2-7=-238/1292, 6-7=-232/1303, 5-6=-246/1308

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; 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
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) 5=120, 2=175.
8) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-5=-60, 8-11=-20
Concentrated Loads (lb)
Vert: 3=-16(B) 4=-16(B) 7=-15(B) 6=-15(B) 15=-14(B) 16=-14(B) 17=-14(B) 19=-2(B) 20=-13(B) 21=-13(B) 22=-13(B) 23=-7(B)



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

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	H6GE	Common Supported Gable	1	1	T28314051
					Job Reference (optional)

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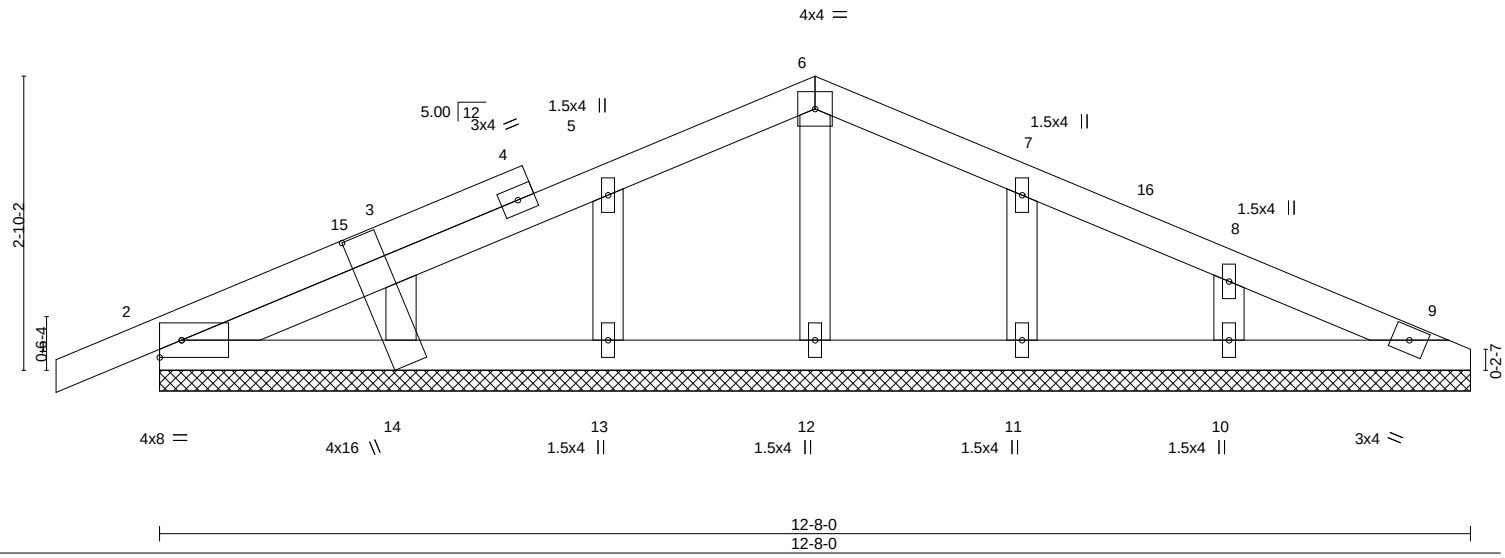
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-4wZz2Xd_J9MZMStG8BVWhMLR5MNLvud4edEmBpyw85r

-1-0-0 / 1-0-0 | 6-4-0 / 6-4-0 | 12-8-0 / 6-4-0

Scale = 1:22.3



12-8-0 / 12-8-0

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

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	0.07	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 56 lb	FT = 20%

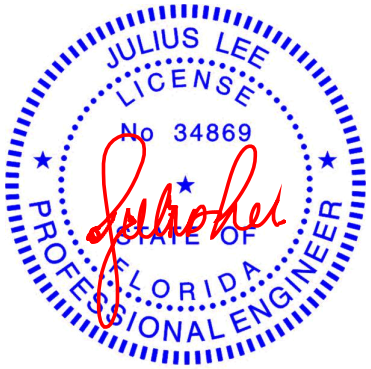
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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 12-8-0.
(lb) - Max Horz 2=66(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 9, 13, 14, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 9, 12, 13, 14, 11, 10

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-0-0 to 2-0-0, Exterior(2N) 2-0-0 to 6-4-0, Corner(3R) 6-4-0 to 9-4-0, Exterior(2N) 9-4-0 to 12-5-2 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) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9, 13, 14, 11, 10.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	H12	Half Hip	1	1	T28314052
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:24 2022 Page 1
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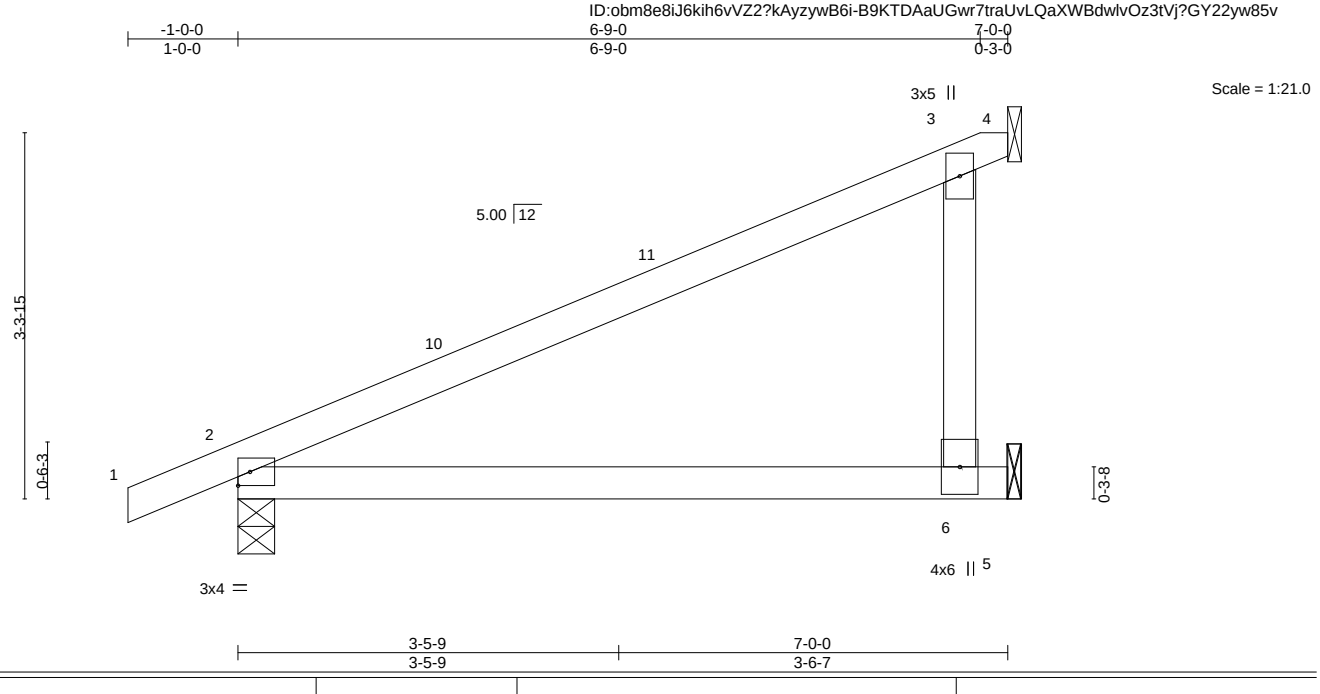


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.16	6-9	>516	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.22	6-9	>371	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 27 lb	FT = 20%

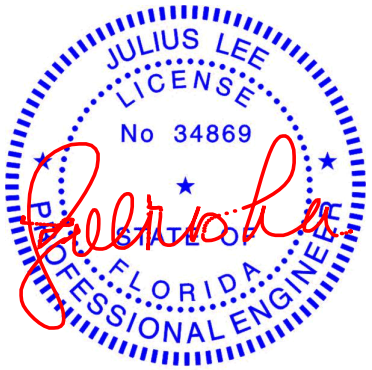
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. All bearings Mechanical except (jt=length) 2=0-4-0.
(lb) - Max Horz 2=145(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2 except 5=-213(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 4, 5, 5 except 2=342(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-185/471

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 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) 2 except (jt=lb) 5=213.
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
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	J01	Jack-Open	2	1	T28314053
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:28 2022 Page 1
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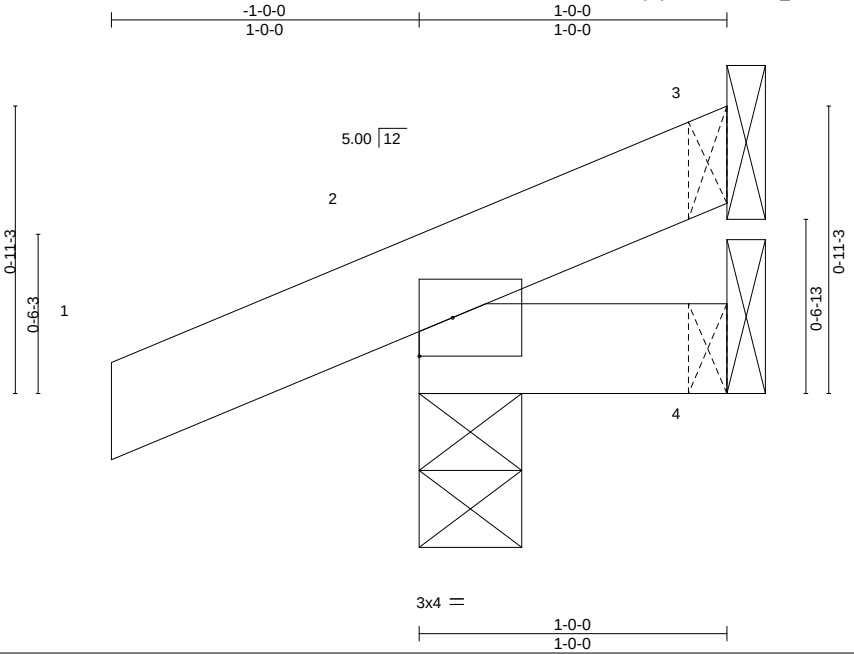


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MP							Weight: 5 lb	FT = 20%

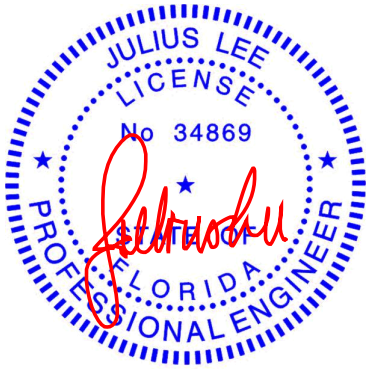
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=43(LC 12)
Max Uplift 3=-7(LC 9), 2=-78(LC 12), 4=-2(LC 1)
Max Grav 3=13(LC 17), 2=130(LC 1), 4=13(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; 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
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	FRED PERRY
FRED_PERRY	J02	Jack-Open	5	1	T28314054
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:29 2022 Page 1
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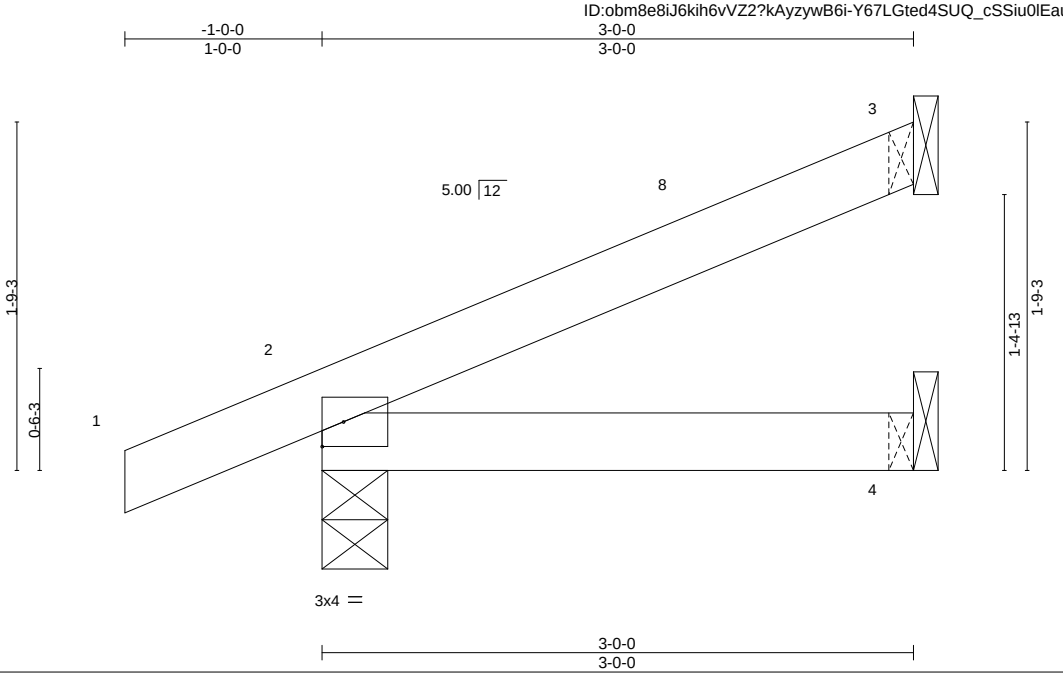


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 11 lb	FT = 20%

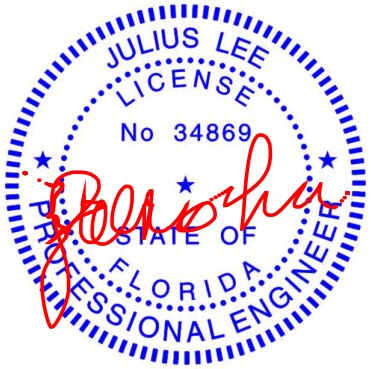
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=76(LC 12)
Max Uplift 3=-40(LC 12), 2=-70(LC 12)
Max Grav 3=74(LC 1), 2=188(LC 1), 4=53(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 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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July 21,2022

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Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	J03	Jack-Open	2	1	T28314055
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:30 2022 Page 1
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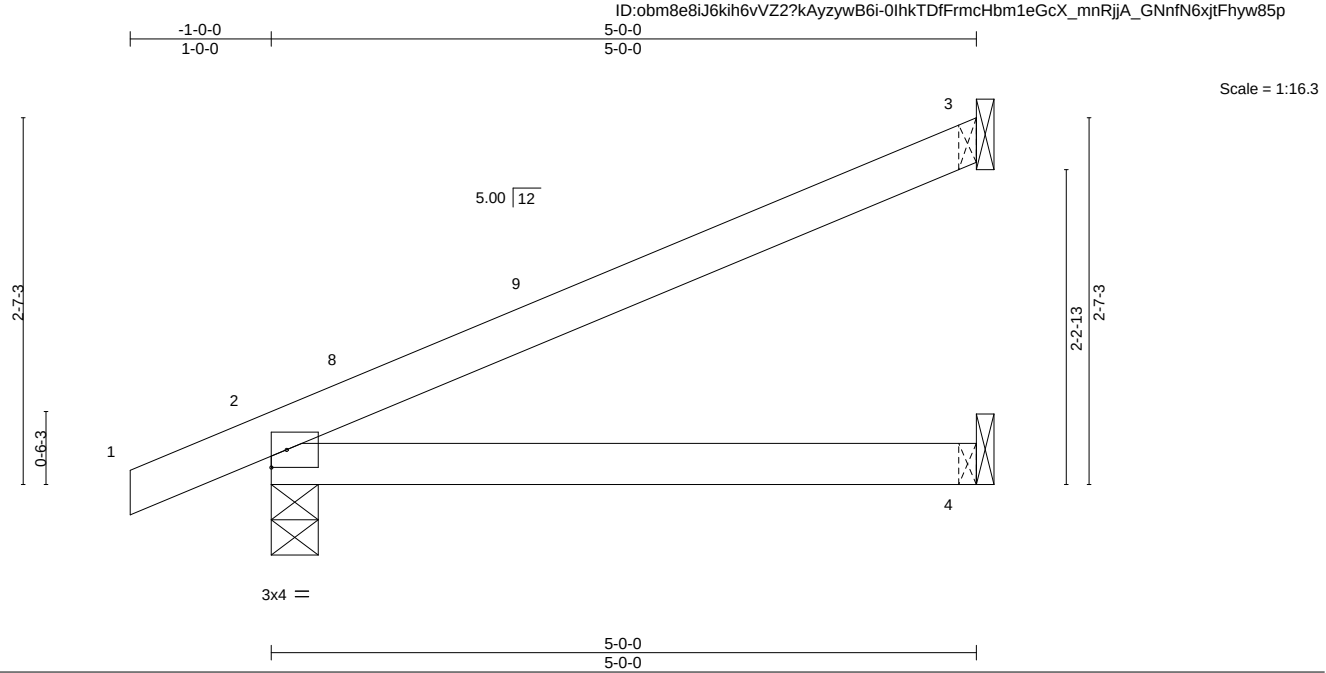


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	0.05	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.06	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 17 lb	FT = 20%

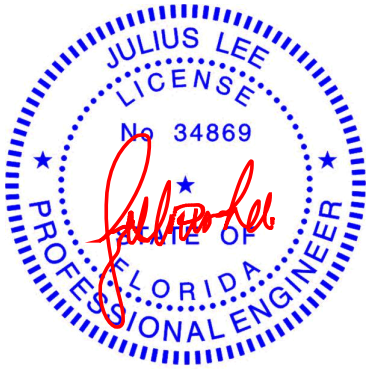
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=111(LC 12)
Max Uplift 3=-73(LC 12), 2=-77(LC 12)
Max Grav 3=133(LC 1), 2=264(LC 1), 4=90(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 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:

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Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	J04	Jack-Open	15	1	T28314056
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:31 2022 Page 1
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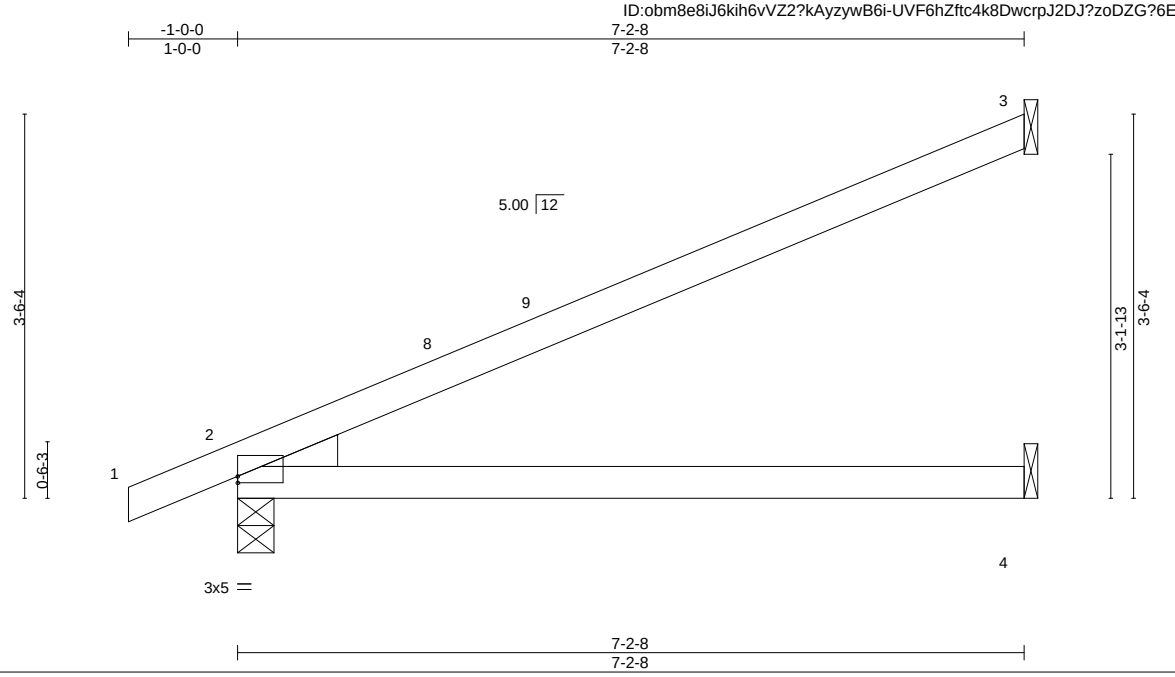

Plate Offsets (X,Y)-- [2:0-0-0,0-0-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	0.15	4-7	>575	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.24	4-7	>352	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	2	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
WEDGE
Left: 2x4 SP No.3

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=148(LC 12)
Max Uplift 3=-108(LC 12), 2=-86(LC 12)
Max Grav 3=197(LC 1), 2=350(LC 1), 4=130(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 7-1-12 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) 2 except (jt=lb) 3=108.
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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Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	J05	Jack-Open	1	1	T28314057
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:32 2022 Page 1
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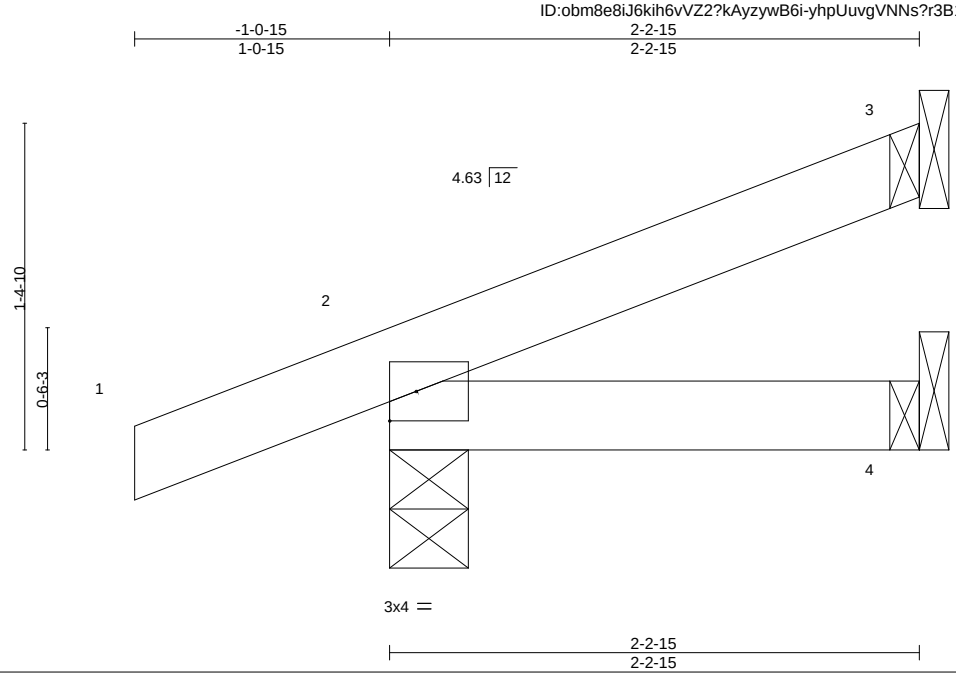


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 9 lb	FT = 20%

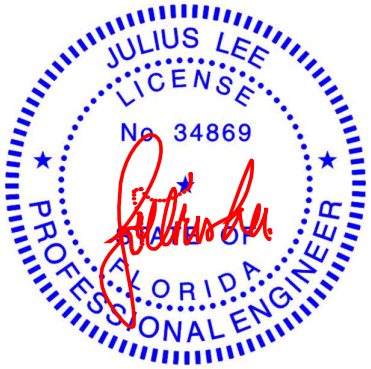
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=61(LC 12)
Max Uplift 3=-25(LC 12), 2=-77(LC 12)
Max Grav 3=50(LC 1), 2=168(LC 1), 4=38(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 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	FRED PERRY
FRED_PERRY	J06	Jack-Open	1	1	T28314058
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:32 2022 Page 1
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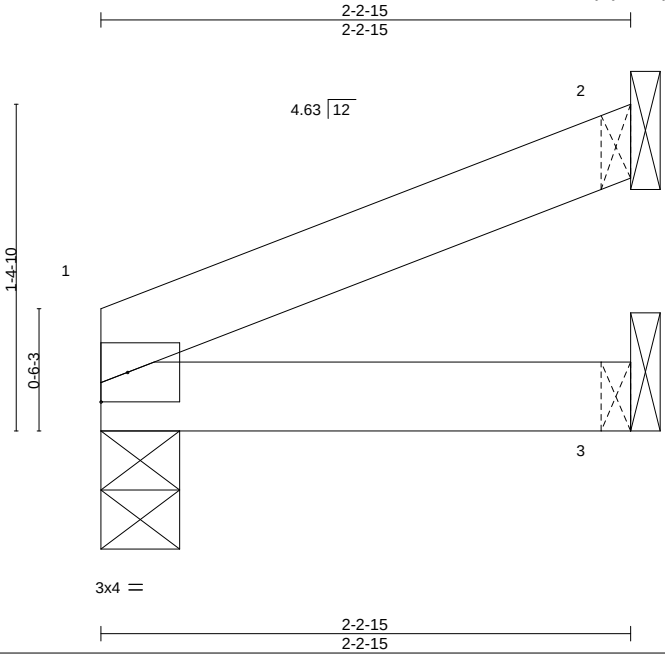


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.00	3-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 7 lb	FT = 20%

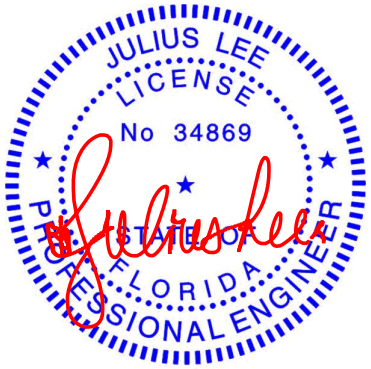
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 2=Mechanical, 3=Mechanical
Max Horz 1=35(LC 12)
Max Uplift 1=-9(LC 12), 2=-32(LC 12)
Max Grav 1=87(LC 1), 2=58(LC 1), 3=41(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 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) 1, 2.



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Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	J07	Jack-Open	1	1	T28314059
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:33 2022 Page 1
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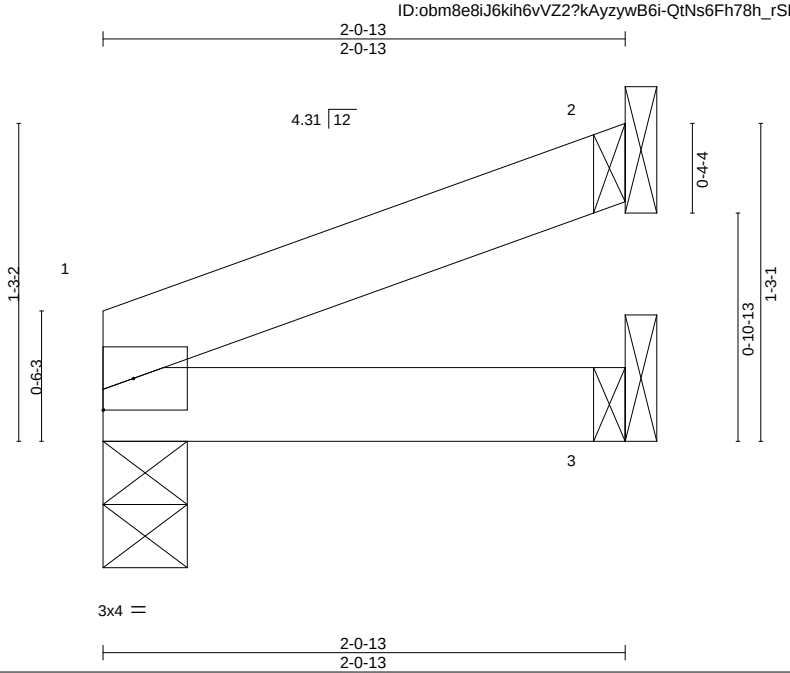


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.00	3-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

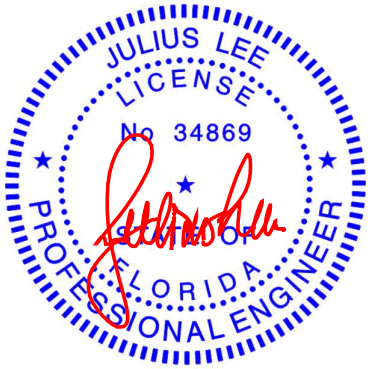
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 2=Mechanical, 3=Mechanical
Max Horz 1=30(LC 12)
Max Uplift 1=-9(LC 12), 2=-28(LC 12)
Max Grav 1=80(LC 1), 2=53(LC 1), 3=37(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 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) 1, 2.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2022

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Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	J08	Jack-Open	1	1	T28314060
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:34 2022 Page 1
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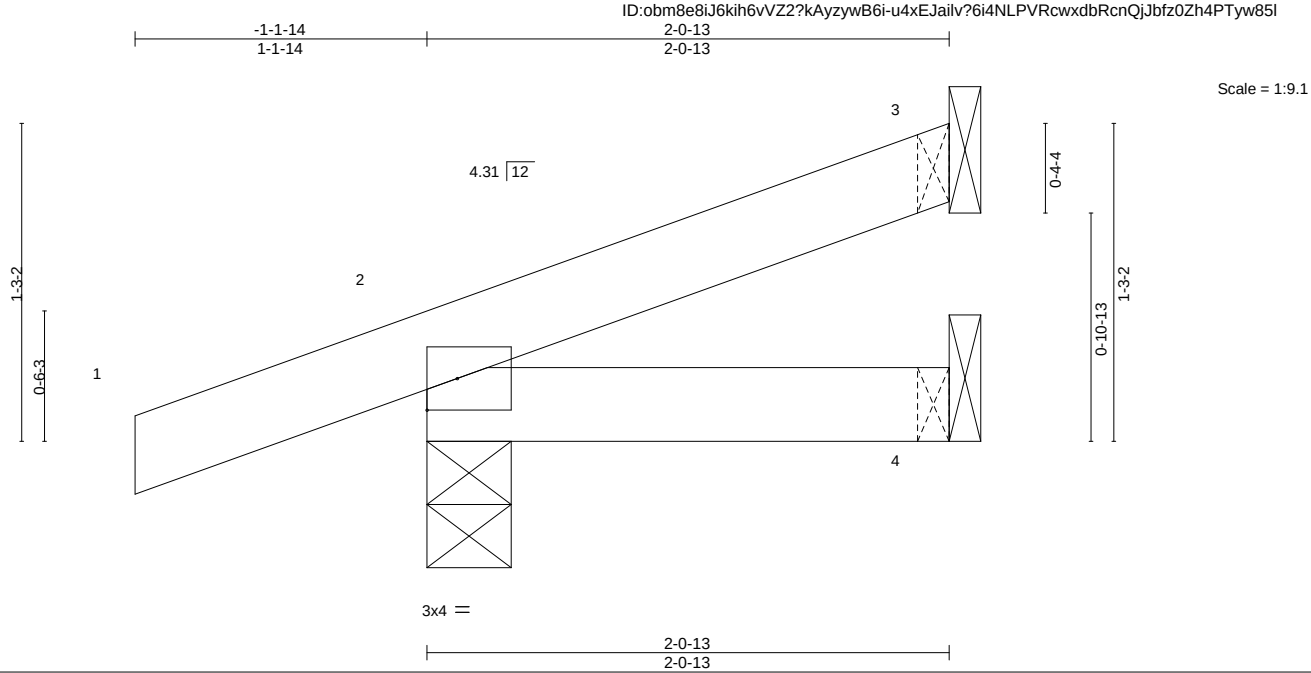

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MP							Weight: 8 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=56(LC 12)
Max Uplift 3=-20(LC 12), 2=-84(LC 12)
Max Grav 3=44(LC 1), 2=169(LC 1), 4=34(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 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	FRED PERRY
FRED_PERRY	J09	Jack-Open	3	1	T28314061
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:35 2022 Page 1
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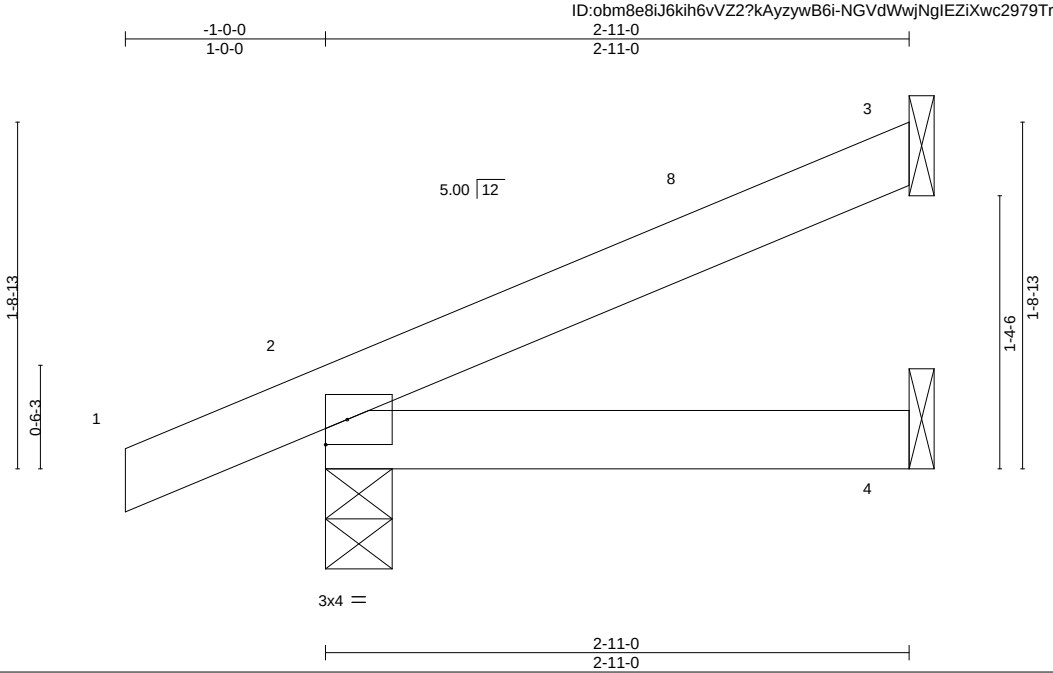


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 11 lb	FT = 20%

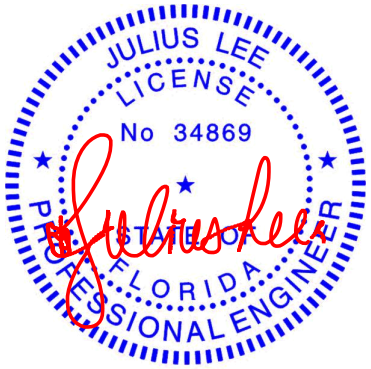
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=75(LC 12)
Max Uplift 3=-39(LC 12), 2=-70(LC 12)
Max Grav 3=71(LC 1), 2=185(LC 1), 4=52(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 2-10-4 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
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	FRED PERRY
FRED_PERRY	J10	Jack-Open	2	1	T28314062
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:36 2022 Page 1
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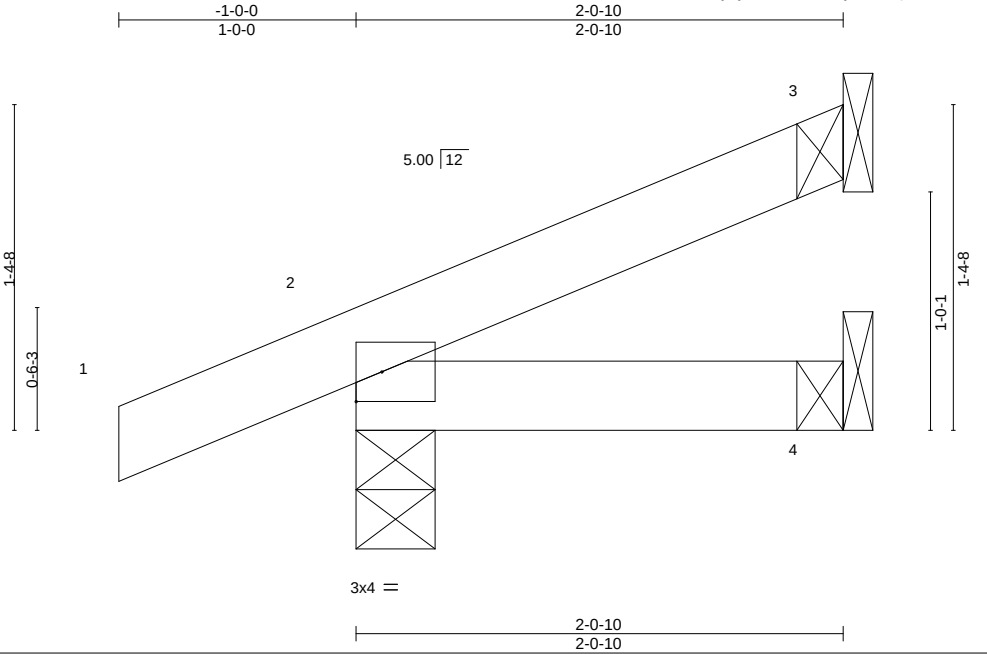


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 8 lb	FT = 20%

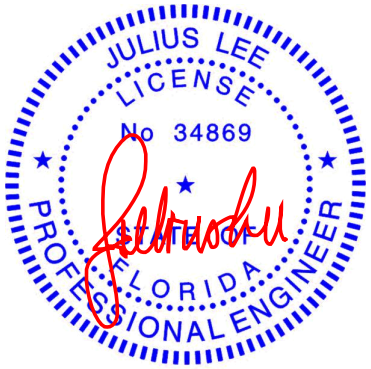
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=60(LC 12)
Max Uplift 3=-24(LC 12), 2=-70(LC 12)
Max Grav 3=46(LC 17), 2=155(LC 1), 4=35(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; 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
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	FRED PERRY
FRED_PERRY	J11	Jack-Open	14	1	T28314063
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:37 2022 Page 1
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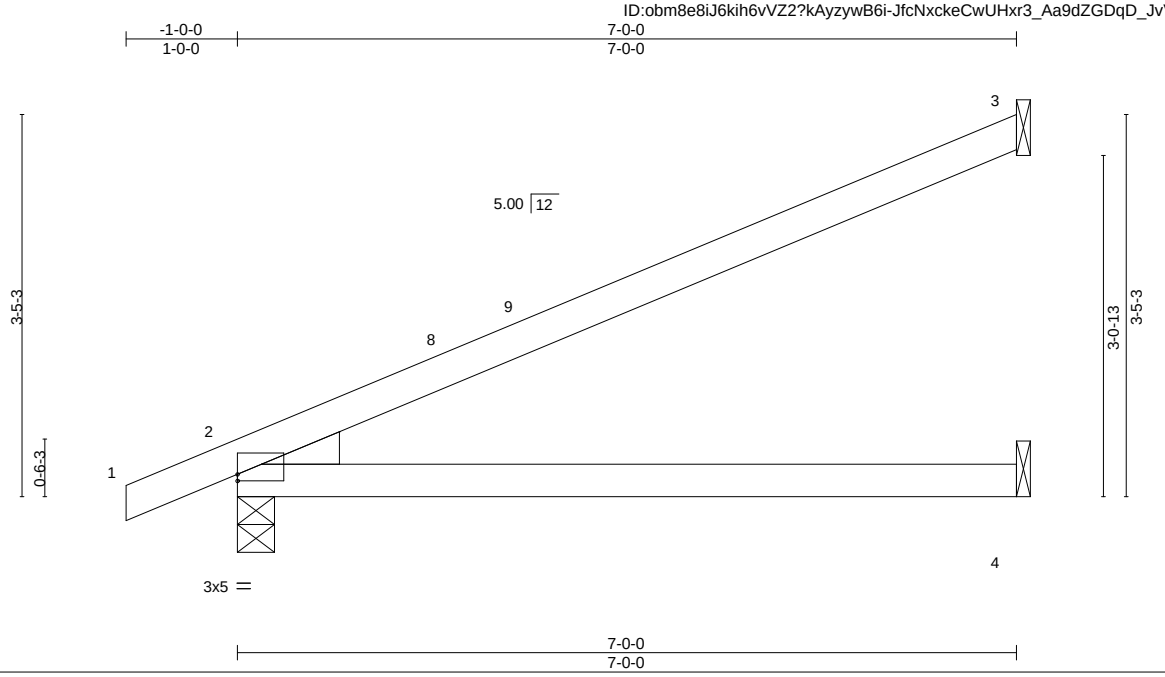


Plate Offsets (X,Y)-- [2:0-0-0,0-0-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	0.14	4-7	>611	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.22	4-7	>383	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 25 lb	FT = 20%

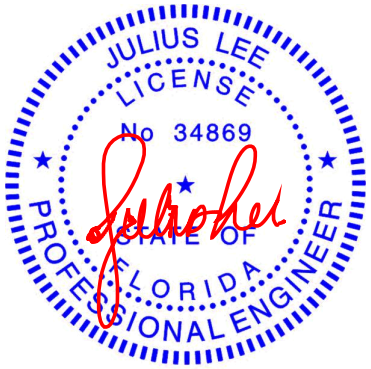
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=145(LC 12)
Max Uplift 3=-104(LC 12), 2=-85(LC 12)
Max Grav 3=191(LC 1), 2=342(LC 1), 4=126(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 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) 2 except (jt=lb) 3=104.
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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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	J12	Jack-Open Girder	2	1	T28314064
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:38 2022 Page 1
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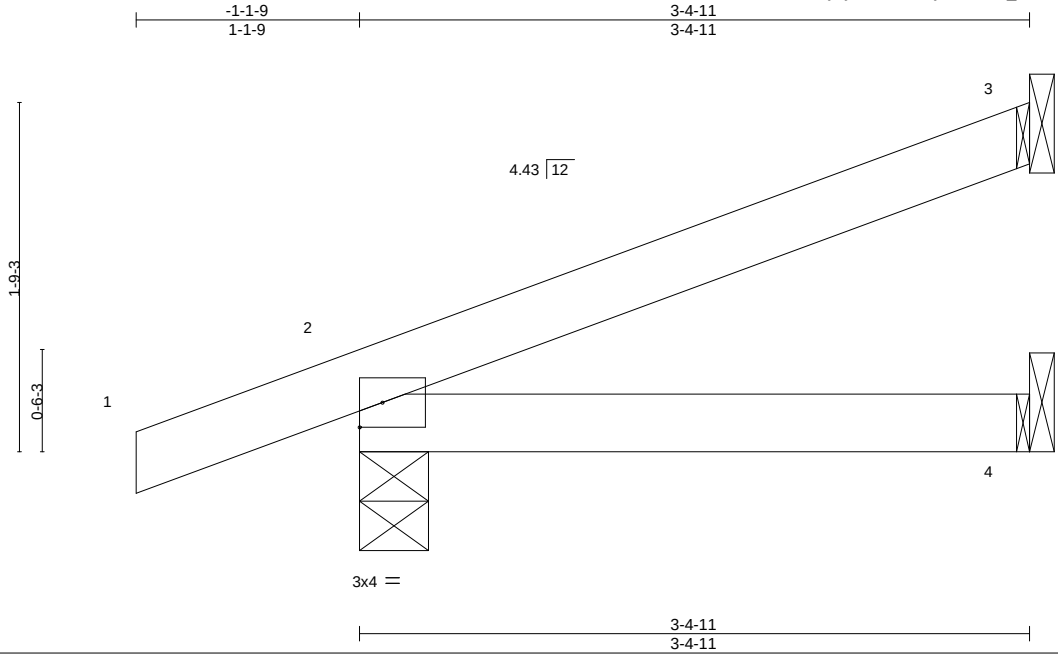

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		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 3-4-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-3, 4=Mechanical
Max Horz 2=77(LC 12)
Max Uplift 3=-43(LC 12), 2=-83(LC 12)
Max Grav 3=84(LC 1), 2=212(LC 1), 4=60(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 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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Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	J13	Jack-Open Girder	2	1	T28314065
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:39 2022 Page 1
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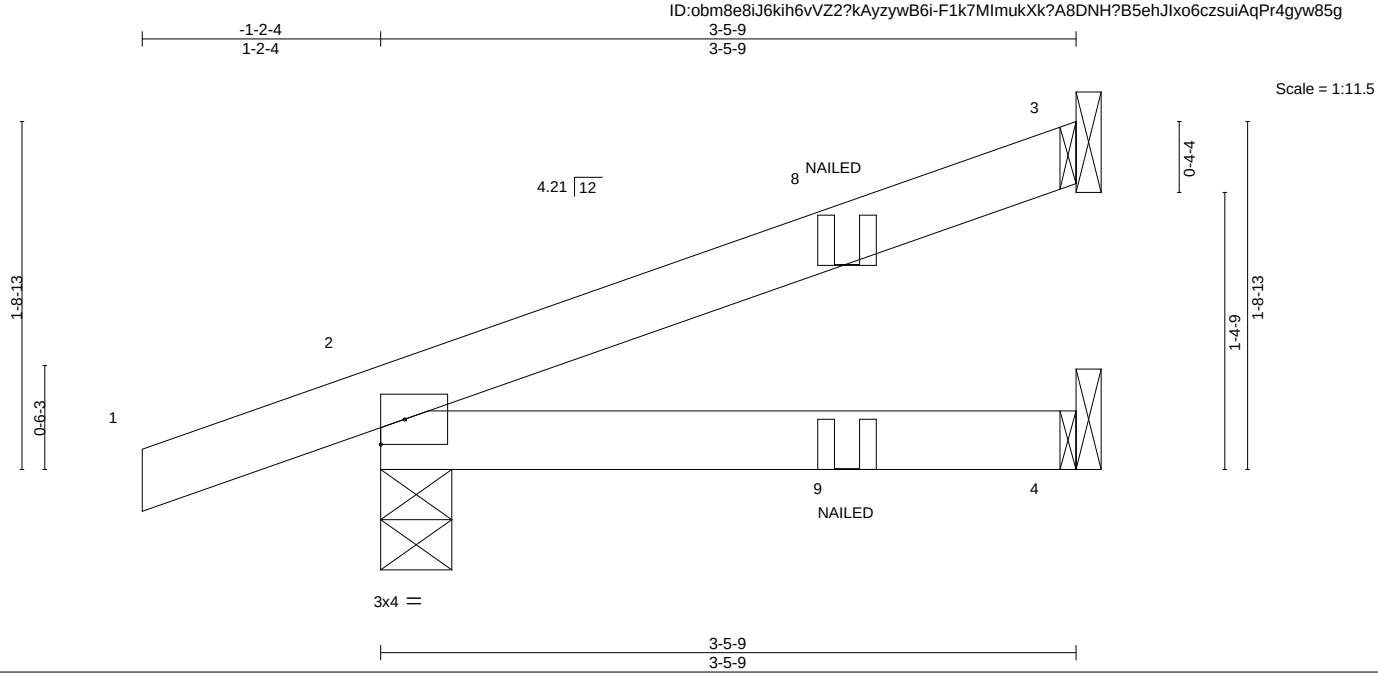


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MP							Weight: 13 lb	FT = 20%

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

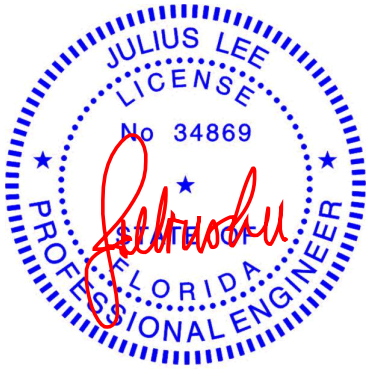
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-4, 4=Mechanical
Max Horz 2=75(LC 8)
Max Uplift 3=-43(LC 8), 2=-88(LC 8)
Max Grav 3=86(LC 1), 2=220(LC 1), 4=62(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; 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
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) "NAILED" indicates 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
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: 1-3=-60, 4-5=-20
Concentrated Loads (lb)
Vert: 9=-1(B)



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

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	J14	Common	1	1	T28314066
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:40 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-jEIWaemWVrssoIoZrijKAurMSCLtiJKrPU8Pc6yw85f

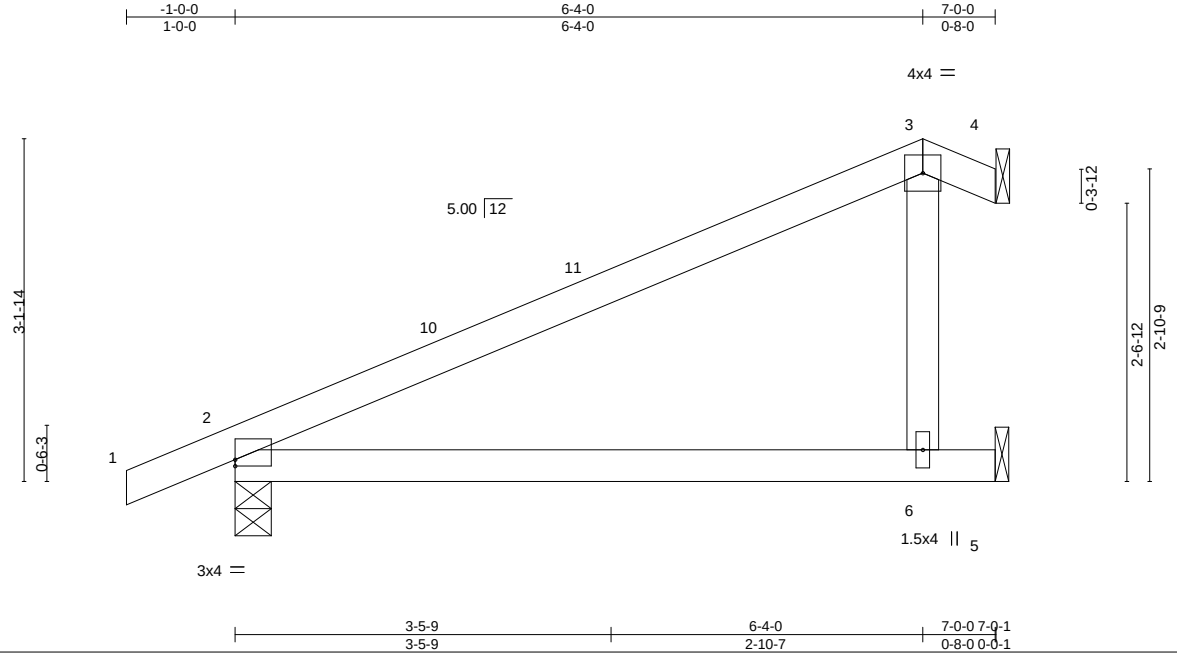


Plate Offsets (X,Y)-- [2:0-0-0,0-0-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	0.19	6-9	>427	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.24	6-9	>341	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.09	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 27 lb	FT = 20%

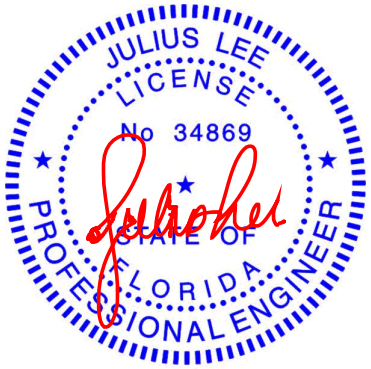
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=124(LC 12)
Max Uplift 4=-11(LC 12), 2=-94(LC 12), 5=-64(LC 12)
Max Grav 4=18(LC 1), 2=342(LC 1), 5=255(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-198/300

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 6-4-0, Exterior(2E) 6-4-0 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
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) 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) 4, 2, 5.
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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Date:

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

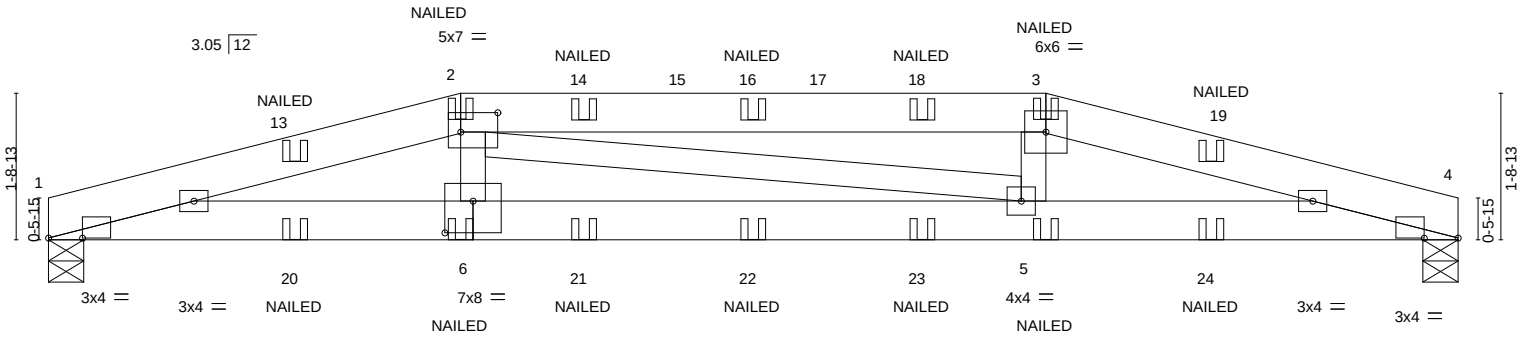
Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	K01	Roof Special Girder	1	2	T28314067

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:42 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-fcQG_Kom0S6a1cyyz7loGJxoW?59AD88sodVh?yw85d

4-10-8 | 11-9-8 | 16-8-0
4-10-8 | 6-11-0 | 4-10-8

Scale = 1:27.2



4-10-8 | 11-9-8 | 16-8-0
4-10-8 | 6-11-0 | 4-10-8

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

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	0.20	Vert(LL)	-0.04	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.09	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.03	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 182 lb	FT = 20%

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

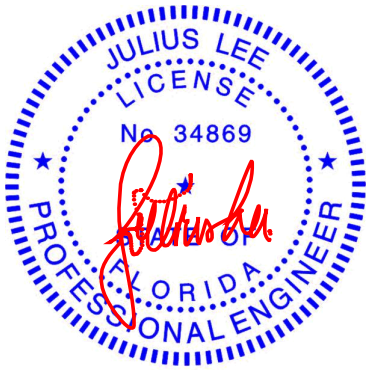
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-5-0, 4=0-5-0
Max Horz 1=16(LC 7)
Max Uplift 1=-154(LC 8), 4=-154(LC 8)
Max Grav 1=737(LC 1), 4=733(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2204/500, 2-3=-2144/444, 3-4=-2201/449
BOT CHORD 1-6=-450/2129, 5-6=-444/2147, 4-5=-403/2126
WEBS 3-5=0/282

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-3-0 oc, Except member 5-2 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=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; 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) 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) 1=154, 4=154.
10) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (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
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 7-10=-20



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

July 21,2022

Continued on page 2

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 2=-14(B) 3=-14(B) 6=-15(B) 5=-15(B) 14=-11(B) 16=-11(B) 18=-11(B) 20=-7(B) 21=-12(B) 22=-12(B) 23=-12(B) 24=0(B)

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	K02	HIP	1	2	T28314068

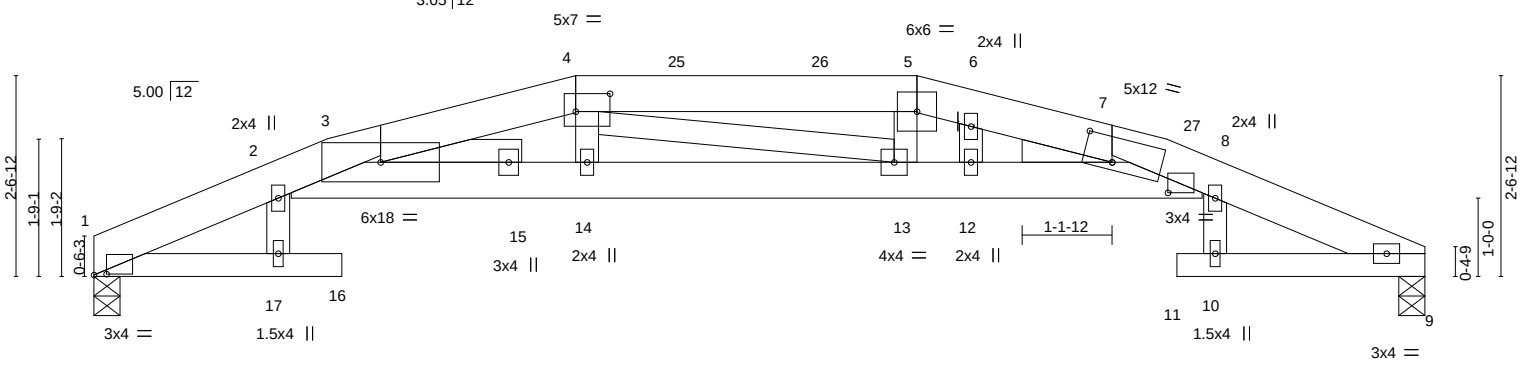
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:43 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-8ozeCfpPnlERfmX8WqG1oXTpiPM0vgQI5SN3DRyw85c

2-11-13 | 3-7-15 | 6-1-13 | 10-6-2 | 11-2-7 | 13-0-1 | 13-8-3 | 17-0-0
2-11-13 | 0-8-2 | 2-5-14 | 4-4-5 | 0-8-4 | 1-9-10 | 0-8-2 | 3-3-13

Scale = 1:29.4

THIS TRUSS IS DESIGNED TO SUPPORT ONLY 2'-0"
OF UNIFORM LOAD AS SHOWN.



2-4-4 | 3-2-0 | 5-5-9 | 6-1-13 | 10-6-2 | 11-2-7 | 11-4-7 | 13-10-0 | 14-3-14 | 17-0-0
2-4-4 | 0-9-12 | 2-3-9 | 0-8-4 | 4-4-5 | 0-8-4 | 0-2-0 | 2-5-9 | 0-5-14 | 2-8-2

Plate Offsets (X,Y)-- [1:0-1-15,0-0-2], [4:0-5-4,0-2-12], [7:0-4-8,0-3-13], [7:0-8-9,0-4-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	0.25	7-12	>807	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.40	7-12	>505	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.30	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 188 lb	FT = 20%

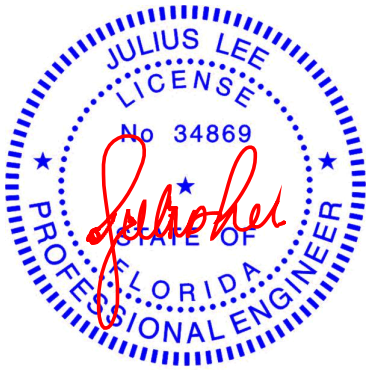
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-7: 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

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

REACTIONS. (size) 1=0-4-0, 9=0-4-0
Max Horz 1=44(LC 11)
Max Uplift 1=-145(LC 12), 9=-149(LC 12)
Max Grav 1=672(LC 1), 9=664(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-279/198, 3-4=-2410/1532, 4-5=-2464/1569, 5-6=-2445/1553, 6-7=-2424/1526, 8-9=-271/203
BOT CHORD 3-14=-1394/2347, 13-14=-1401/2376, 12-13=-1432/2447, 7-12=-1407/2408
WEBS 4-14=-52/263, 4-13=-115/260, 6-12=-251/142

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; 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
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) 1=145, 9=149.
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.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2022

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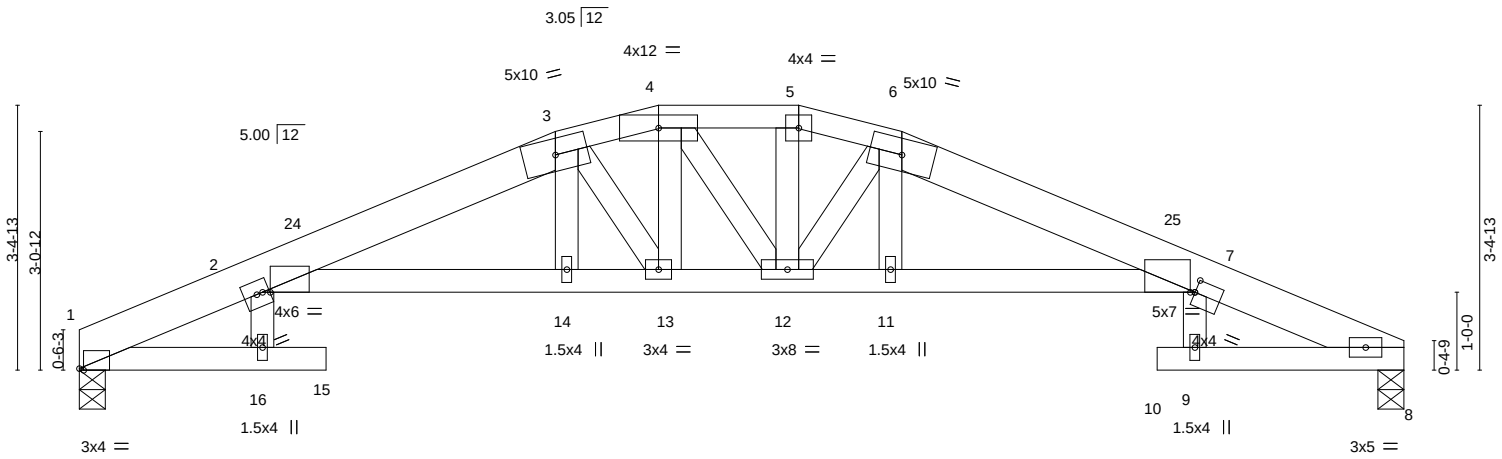
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	K03	Hip	1	1	T28314069
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:44 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-c?X0P?q1Y3NIHv6K4YnGLk03Zpf1e6uRK66cltyw85b

3-2-0	7-5-3	9-2-13	10-6-11	13-10-0	17-0-0
3-2-0	4-3-3	1-9-9	1-3-14	3-3-5	3-2-0

Scale = 1:29.6



2-4-3	3-2-0	6-1-5	7-5-3	9-2-13	10-6-11	13-10-0	14-3-13	17-0-0
2-4-3	0-9-13	2-11-5	1-3-14	1-9-9	1-3-14	3-3-5	0-5-13	2-8-3

Plate Offsets (X,Y)-- [1:0-0-10,Edge], [2:0-1-3,0-0-0], [7:0-0-11,0-0-0], [7:0-0-1,0-2-0]

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	0.55	Vert(LL)	0.23	15	>884	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.39	15	>517	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.29	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 87 lb	FT = 20%

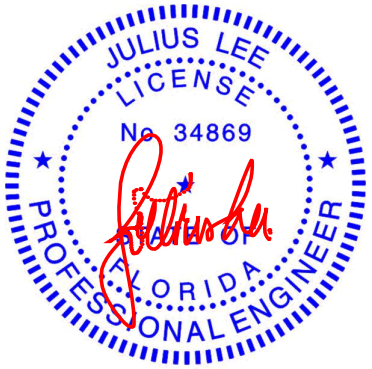
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-3,6-8: 2x6 SP SS
BOT CHORD 2x4 SP No.2 *Except*
2-7: 2x4 SP No.1
WEBS 2x4 SP No.2

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

REACTIONS. (size) 1=0-4-0, 8=0-4-0
Max Horz 1=-70(LC 10)
Max Uplift 1=-131(LC 12), 8=-132(LC 12)
Max Grav 1=693(LC 1), 8=692(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1711/928, 3-4=-1391/822, 4-5=-1345/791, 5-6=-1401/807, 6-7=-1726/882
BOT CHORD 2-14=-806/1629, 13-14=-810/1648, 12-13=-623/1335, 11-12=-743/1668, 7-11=-740/1649
WEBS 3-14=-50/262, 3-13=-525/313, 4-13=-188/339, 5-12=-164/353, 6-12=-542/309, 6-11=-45/260

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-1-5, Exterior(2E) 6-1-5 to 10-6-11, Exterior(2R) 10-6-11 to 14-6-12, Interior(1) 14-6-12 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) 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) 1=131, 8=132.
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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Date:

July 21,2022

MiTek
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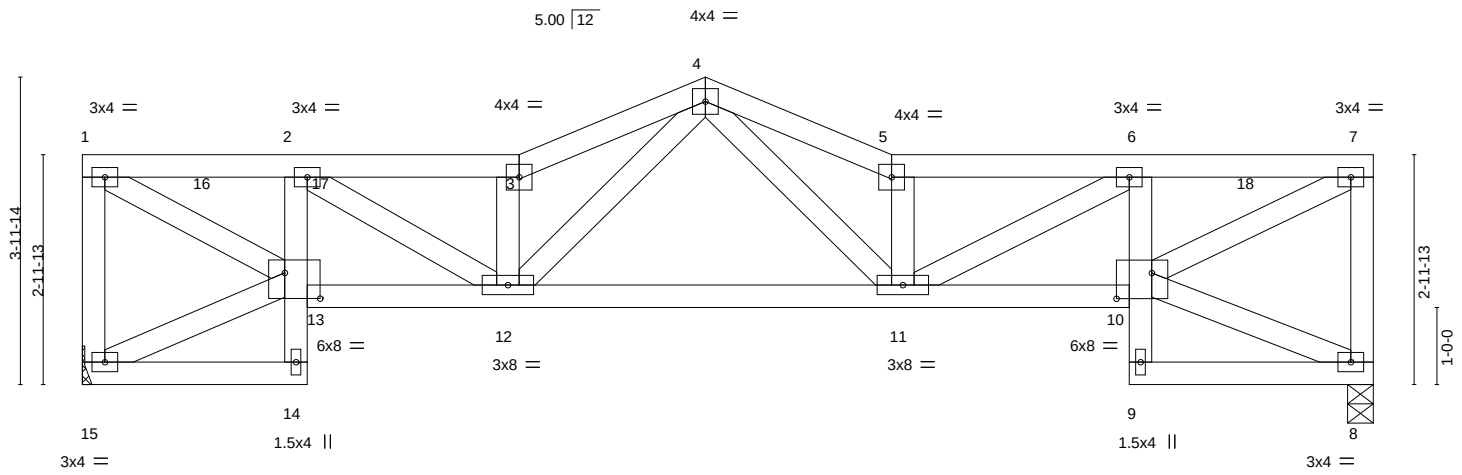
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	K04	Roof Special	1	1	T28314070
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:46 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-YNfnqhrH4gd?WDGjCzqkQ95VucSH6zcknQbjqmyw85Z

2-11-0	5-8-0	8-1-0	10-6-0	13-7-0	16-9-0
2-11-0	2-9-0	2-5-0	2-5-0	3-1-0	3-2-0

Scale = 1:29.9



2-11-0	5-8-0	10-6-0	13-7-0	16-9-0
2-11-0	2-9-0	4-10-0	3-1-0	3-2-0

Plate Offsets (X,Y)-- [10:0-5-8,0-4-0], [13:0-5-8,0-4-0]

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	0.17	Vert(LL)	0.07	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.13	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 104 lb	FT = 20%

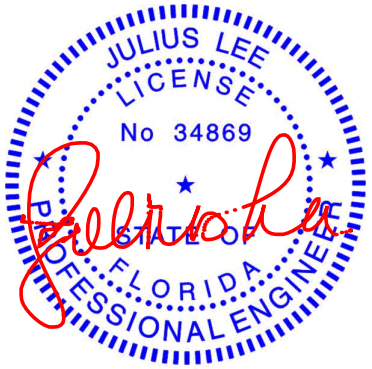
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 15=Mechanical, 8=0-4-0
Max Horz 15=-153(LC 10)
Max Uplift 15=-140(LC 12), 8=-140(LC 12)
Max Grav 15=658(LC 1), 8=658(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-613/344, 1-2=-956/566, 2-3=-1411/704, 3-4=-1605/840, 4-5=-1686/803, 5-6=-1481/679, 6-7=-1027/491, 7-8=-611/334
BOT CHORD 2-13=-431/273, 12-13=-690/1014, 11-12=-583/1009, 10-11=-592/1091, 6-10=-420/255
WEBS 1-13=-570/1081, 2-12=-226/470, 3-12=-722/435, 4-12=-360/671, 4-11=-308/779, 5-11=-763/405, 6-11=-189/449, 7-10=-588/1139

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-1-0, Exterior(2E) 8-1-0 to 10-6-0, Interior(1) 10-6-0 to 16-7-4 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.
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) 15=140, 8=140.
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:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	K05	Roof Special	1	1	T28314071
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Jan 6 2022 MiTek Industries, Inc. Thu Jul 21 08:57:05 2022 Page 1

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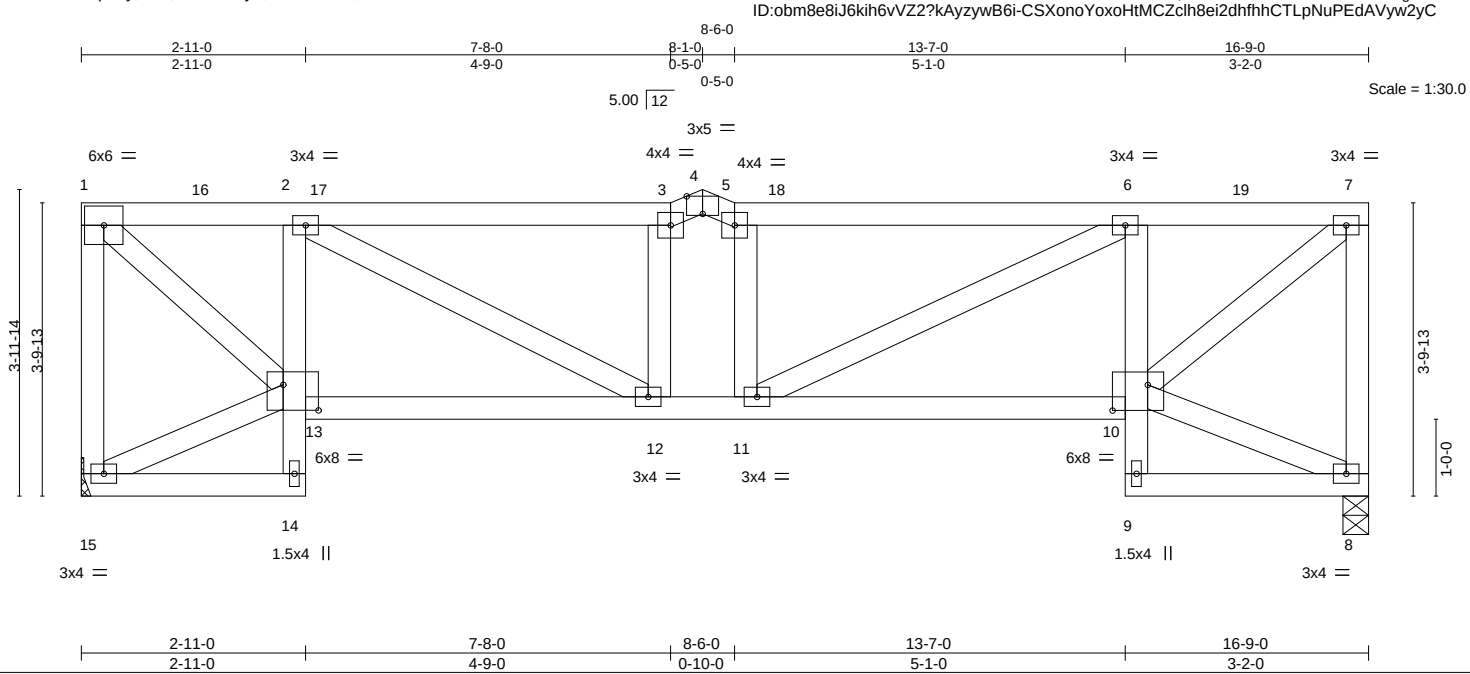

Plate Offsets (X,Y)-- [4:0-2-8,Edge], [10:0-5-8,0-4-0], [13:0-5-8,0-4-0]

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	0.41	Vert(LL)	-0.04	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.08	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 109 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.

REACTIONS. (size) 15=Mechanical, 8=0-4-0
Max Horz 15=-173(LC 10)
Max Uplift 15=-169(LC 8), 8=-170(LC 9)
Max Grav 15=658(LC 1), 8=658(LC 1)

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

TOP CHORD	1-15=-622/334, 1-16=-648/406, 2-16=-648/406, 2-17=-1083/504, 3-17=-1083/504, 3-4=-1032/479, 4-5=-1023/492, 5-18=-1085/504, 6-18=-1085/504, 6-19=-700/309, 7-19=-700/309, 7-8=-621/332
BOT CHORD	2-13=-472/333, 12-13=-536/790, 11-12=-611/1093, 10-11=-430/756, 6-10=-455/314
WEBS	1-13=-427/855, 2-12=-252/443, 6-11=-195/386, 7-10=-459/891

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-1-0, Exterior(2E) 8-1-0 to 8-6-0, Interior(1) 8-6-0 to 16-7-4 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 15 and 170 lb uplift at joint 8.
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.

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

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	K06	Roof Special	1	1	T28314072
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:48 2022 Page 1
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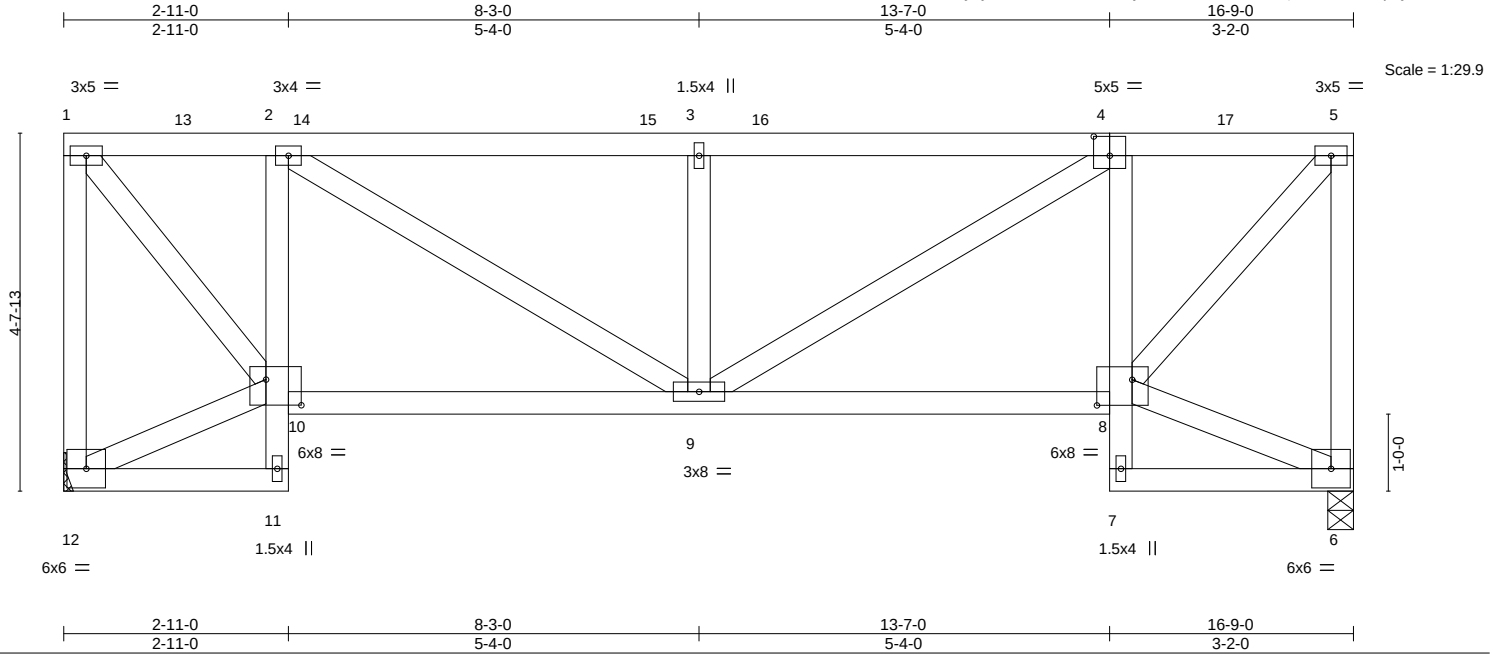

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [8:0-5-8,0-4-0], [10:0-5-8,0-4-0]

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	0.41	Vert(LL)	0.04	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.06	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 116 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.

REACTIONS. (size) 12=Mechanical, 6=0-4-0
Max Horz 12=-209(LC 8)
Max Uplift 12=-184(LC 8), 6=-184(LC 9)
Max Grav 12=658(LC 1), 6=658(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-627/631, 1-2=-502/545, 2-3=-875/762, 3-4=-875/762, 4-5=-493/418, 5-6=-630/626
BOT CHORD 2-10=-479/586, 9-10=-693/648, 8-9=-542/523, 4-8=-432/504
WEBS 10-12=-266/304, 1-10=-682/744, 2-9=-430/432, 3-9=-370/456, 4-9=-407/418, 5-8=-658/719

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 13-7-4, Corner(3) 13-7-4 to 16-7-4 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) 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) except (jt=lb) 12=184, 6=184.
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:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	K07	Roof Special	1	1	T28314073
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:49 2022 Page 1
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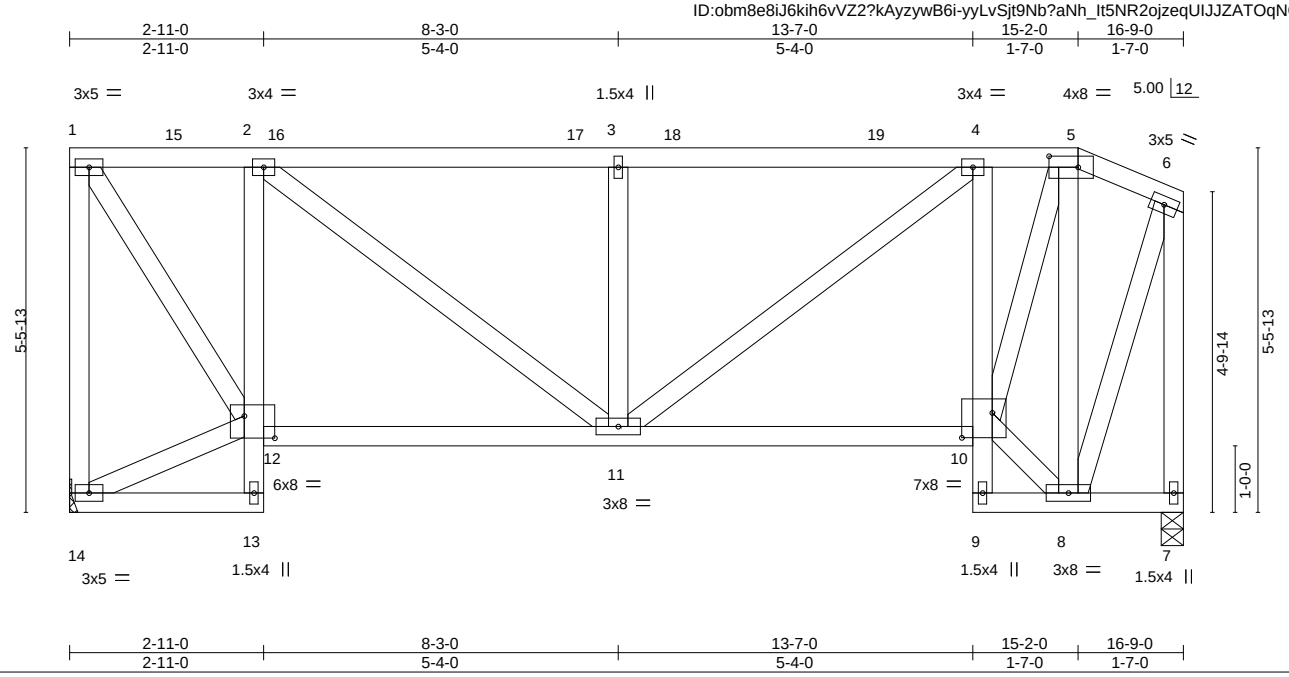


Plate Offsets (X,Y)-- [5:0-5-4,0-2-0], [10:0-5-8,0-4-8], [12:0-5-8,0-4-0]

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	0.27	Vert(LL)	0.03	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.06	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 136 lb	FT = 20%

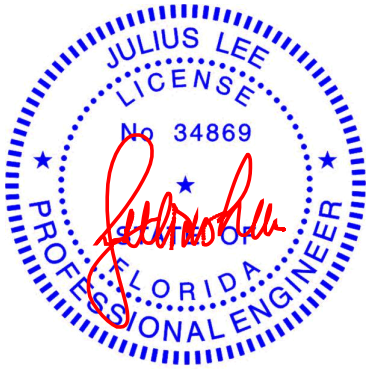
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 14=Mechanical, 7=0-4-0
Max Horz 14=-251(LC 8)
Max Uplift 14=-197(LC 8), 7=-158(LC 9)
Max Grav 14=658(LC 1), 7=658(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-628/349, 1-2=-440/311, 2-3=-697/379, 3-4=-697/379, 4-5=-413/222, 5-6=-258/202, 6-7=-634/327
BOT CHORD 2-12=-489/390, 11-12=-415/597, 10-11=-329/485, 4-10=-456/326
WEBS 12-14=-301/358, 1-12=-336/691, 2-11=-264/397, 3-11=-343/257, 4-11=-181/338, 8-10=-155/275, 5-10=-461/729, 5-8=-659/458, 6-8=-297/523

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 15-2-0, Exterior(2E) 15-2-0 to 16-7-4 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) 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) except (jt=lb) 14=197, 7=158.
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:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	K08	Roof Special	1	1	T28314074
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:50 2022 Page 1
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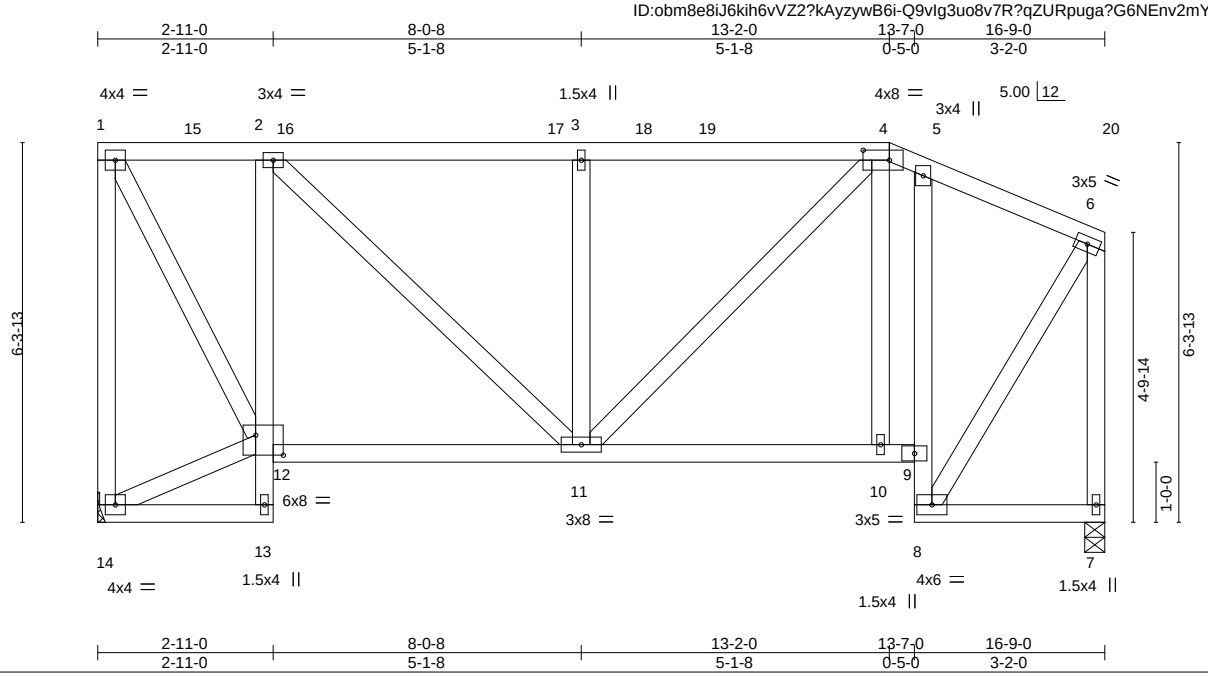


Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [12:0-5-8,0-4-0]

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	0.40	Vert(LL)	0.04	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.08	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 135 lb	FT = 20%

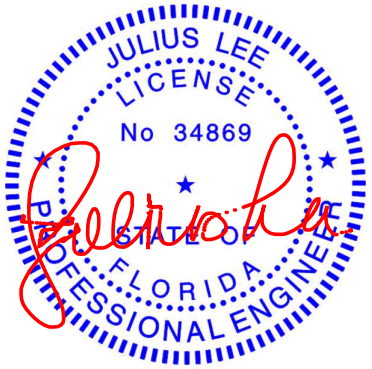
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 14=Mechanical, 7=0-4-0
Max Horz 14=-295(LC 8)
Max Uplift 14=-209(LC 8), 7=-137(LC 12)
Max Grav 14=658(LC 1), 7=658(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-628/354, 1-2=-396/294, 2-3=-584/373, 3-4=-584/373, 4-5=-499/309, 5-6=-359/221, 6-7=-672/387
BOT CHORD 2-12=-493/432, 11-12=-345/529, 10-11=-272/412, 9-10=-273/409, 8-9=-418/285, 5-9=-456/312
WEBS 12-14=-330/429, 1-12=-308/652, 2-11=-290/389, 3-11=-353/273, 6-8=-339/577, 4-11=-198/357

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-2-0, Exterior(2R) 13-2-0 to 16-2-0, Interior(1) 16-2-0 to 16-7-4 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) 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) except (jt=lb) 14=209, 7=137.
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
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	K09	Roof Special	1	1	T28314075
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:51 2022 Page 1
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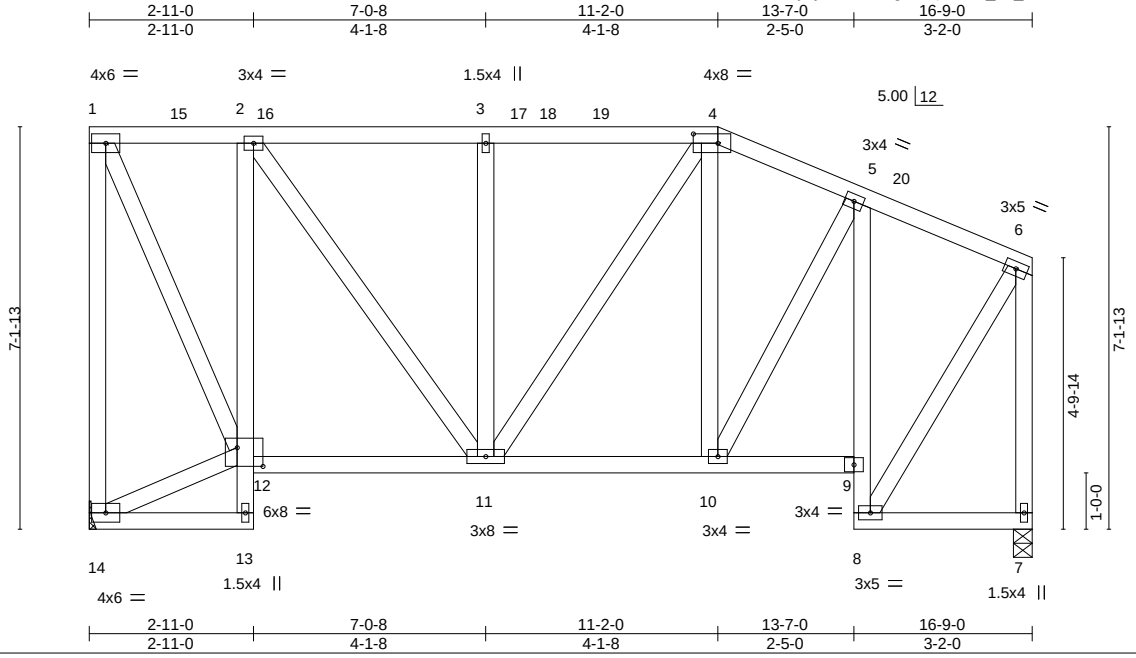


Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [12:0-5-8,0-4-0]

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	0.57	Vert(LL)	0.03	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.04	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 149 lb	FT = 20%

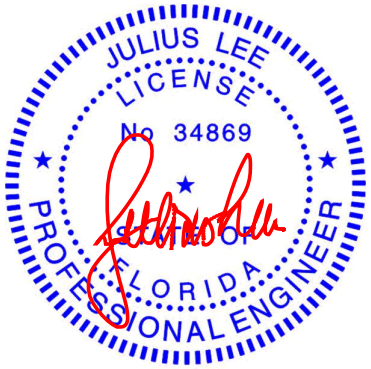
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 14=Mechanical, 7=0-4-0
Max Horz 14=-338(LC 8)
Max Uplift 14=-220(LC 8), 7=-135(LC 12)
Max Grav 14=658(LC 1), 7=658(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-628/365, 1-2=-368/287, 2-3=-477/357, 3-4=-477/357, 4-5=-492/315, 5-6=-357/204, 6-7=-665/376
BOT CHORD 2-12=-508/467, 11-12=-290/480, 10-11=-306/496, 9-10=-248/379, 8-9=-388/259, 5-9=-411/310
WEBS 12-14=-360/478, 1-12=-287/623, 2-11=-312/386, 3-11=-271/224, 5-10=-122/261, 6-8=-305/534

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-2-0, Exterior(2R) 11-2-0 to 14-2-0, Interior(1) 14-2-0 to 16-7-4 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) 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) except (jt=lb) 14=220, 7=135.
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:

July 21,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	K10	Roof Special	1	1	T28314076
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:52 2022 Page 1
ID:obm8e8iJ6kih6vVZ2?kAyzywB6i-NX025kw2gWN9E8jtYDw8fQLR71UgWdec9M211Qyw85T

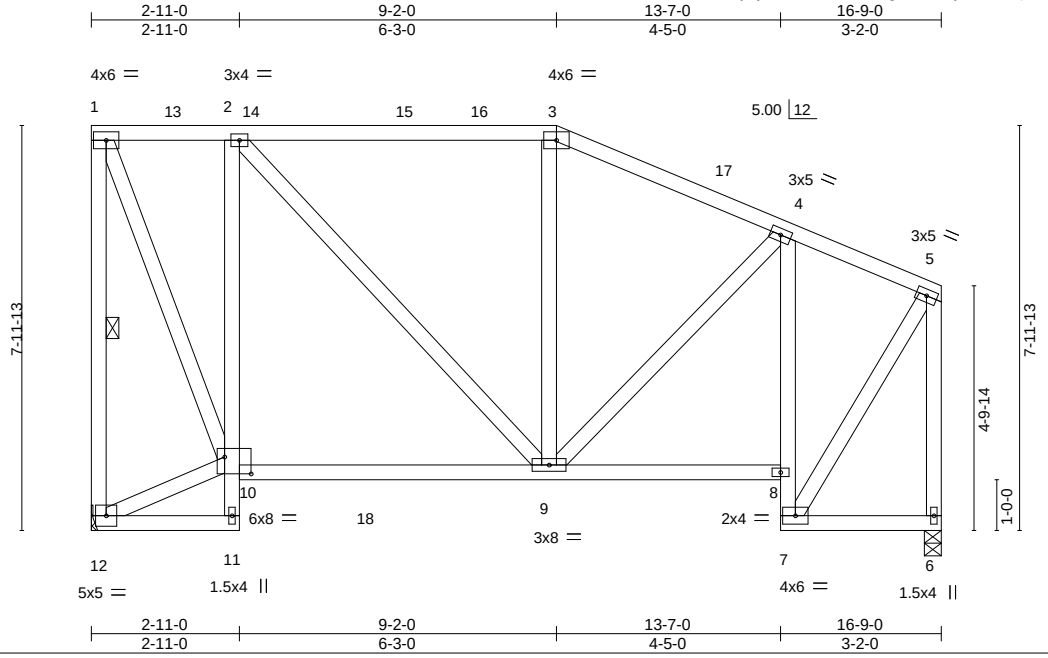


Plate Offsets (X,Y)-- [10:0-6-4,0-4-0]

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	0.51	Vert(LL)	-0.05	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.10	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 141 lb	FT = 20%

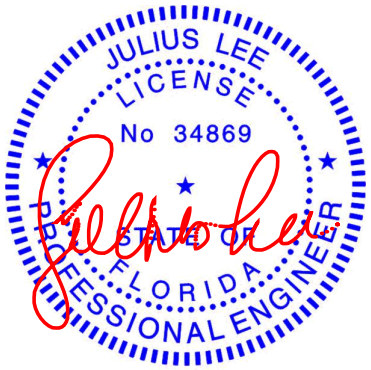
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 12=Mechanical, 6=0-4-0
Max Horz 12=-381(LC 8)
Max Uplift 12=-232(LC 8), 6=-132(LC 12)
Max Grav 12=789(LC 18), 6=717(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-729/363, 1-2=-377/297, 2-3=-493/348, 3-4=-586/331, 4-5=-426/184, 5-6=-713/370
BOT CHORD 2-10=-546/545, 9-10=-258/469, 8-9=-256/399, 7-8=-425/260, 4-8=-386/297
WEBS 10-12=-378/557, 1-10=-299/758, 2-9=-333/354, 5-7=-308/615

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 9-2-0, Exterior(2R) 9-2-0 to 12-2-0, Interior(1) 12-2-0 to 16-7-4 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) 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) except (jt=lb) 12=232, 6=132.
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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Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	FRED PERRY
FRED_PERRY	K11	Roof Special Girder	1	2	T28314077
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Jul 20 15:05:53 2022 Page 1
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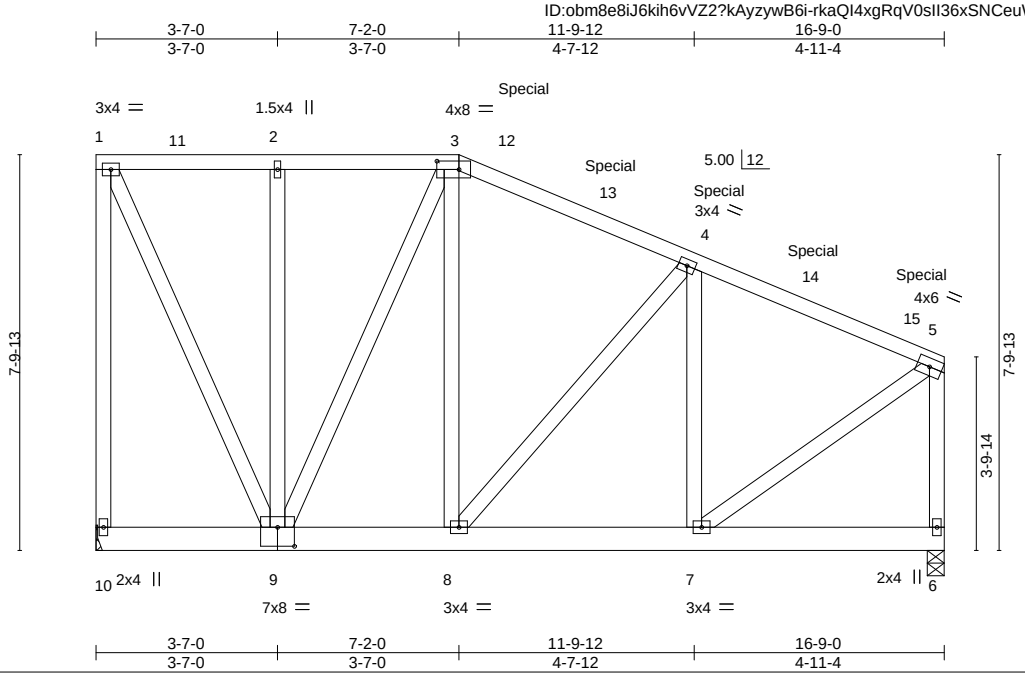

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [9:0-4-0,0-4-8]

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	0.87	Vert(LL)	-0.02	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.04	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 301 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 10=Mechanical, 6=0-4-0
Max Horz 10=-372(LC 4)
Max Uplift 10=-462(LC 4), 6=-700(LC 8)
Max Grav 10=1515(LC 1), 6=2750(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-1476/463, 1-2=-646/289, 2-3=-646/289, 3-4=-1540/473, 4-5=-2163/599, 5-6=-2682/720
BOT CHORD 9-10=-207/289, 8-9=-333/1191, 7-8=-465/1724
WEBS 1-9=-473/1515, 3-9=-1268/388, 3-8=-174/706, 4-8=-831/306, 4-7=-1120/371, 5-7=-497/2026

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 0-6-0 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=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; 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) 10=462, 6=700.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 588 lb down and 214 lb up at 7-9-12, 588 lb down and 218 lb up at 9-9-12, 665 lb down and 220 lb up at 11-9-12, and 588 lb down and 218 lb up at 13-9-12, and 595 lb down and 217 lb up at 15-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

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LOAD CASE(S) Standard

Continued on page 2

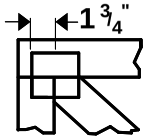
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

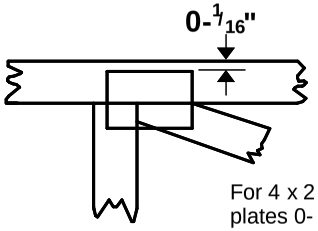
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 6-10=-20
   Concentrated Loads (lb)
   Vert: 4=-588(F) 12=-588(F) 13=-588(F) 14=-588(F) 15=-595(F)

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.

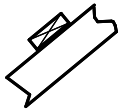
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

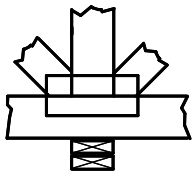
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

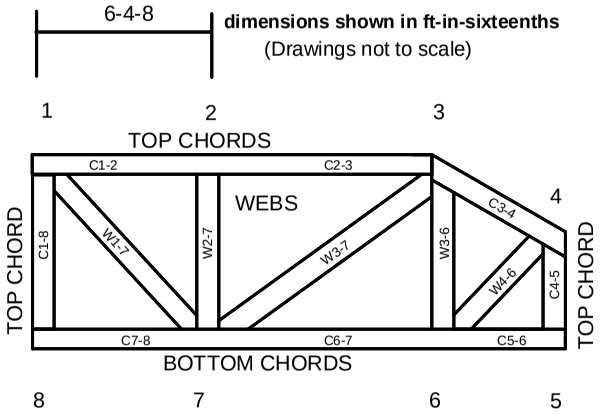


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & 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-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

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.

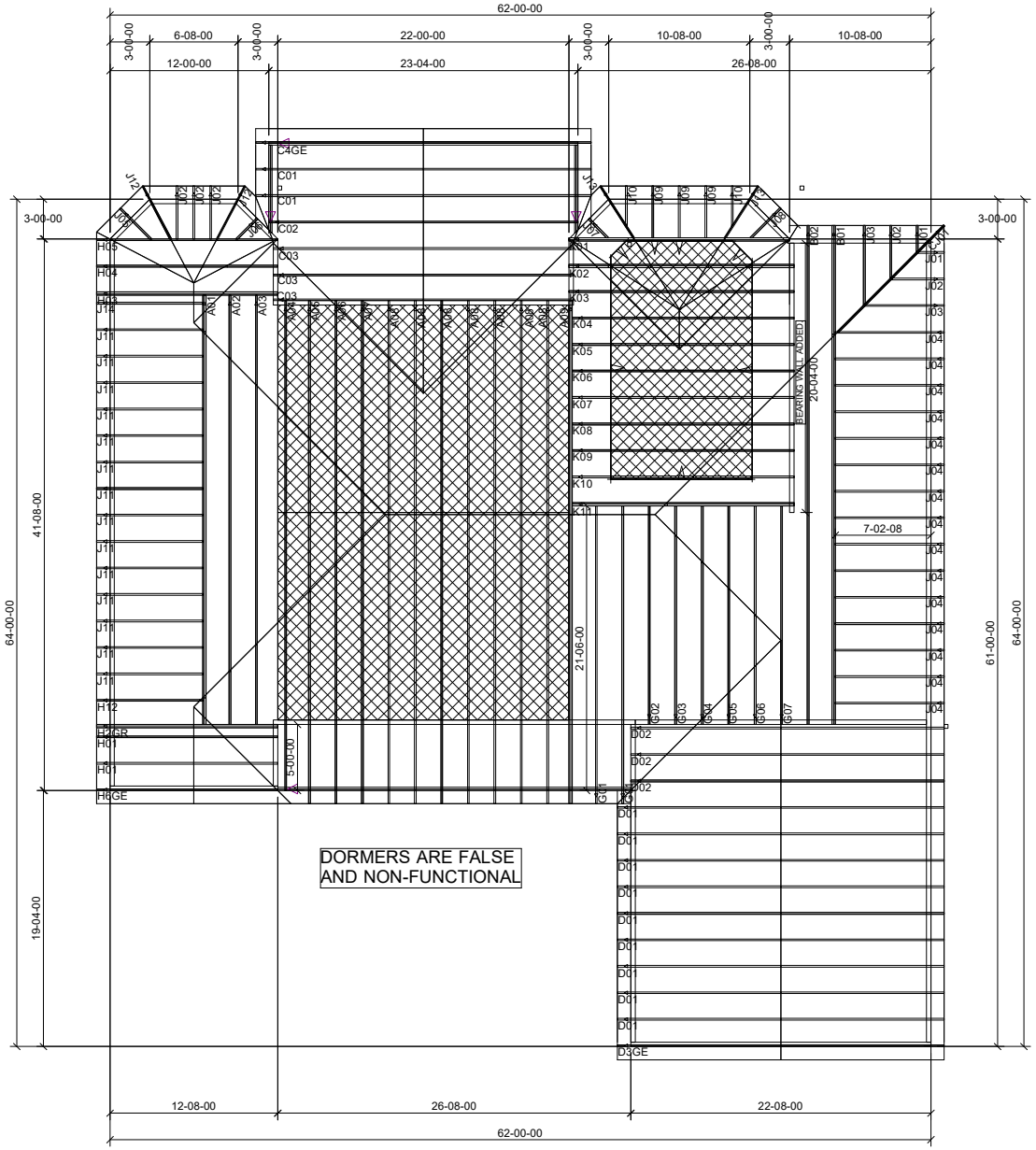
MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

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.



ROOF PITCH: 5/12

CLG PITCH: 3/12

O.H.: 12" PLUMB CUT

WIND: 140 MPH

EXP: "C"

LOADING: 40 PSF

WALLS: 2 X 4 X

DATE: 7/20/2022

Mayo Truss
Company Inc.
Ph. (386) 294-3988
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mayotruss@windstream.net

Client: IND-RES
Date: 7/20/2022
Quote Date: / /
Seal Date: / /
Designer:
Job Number: 0722-034

FRED PERRY