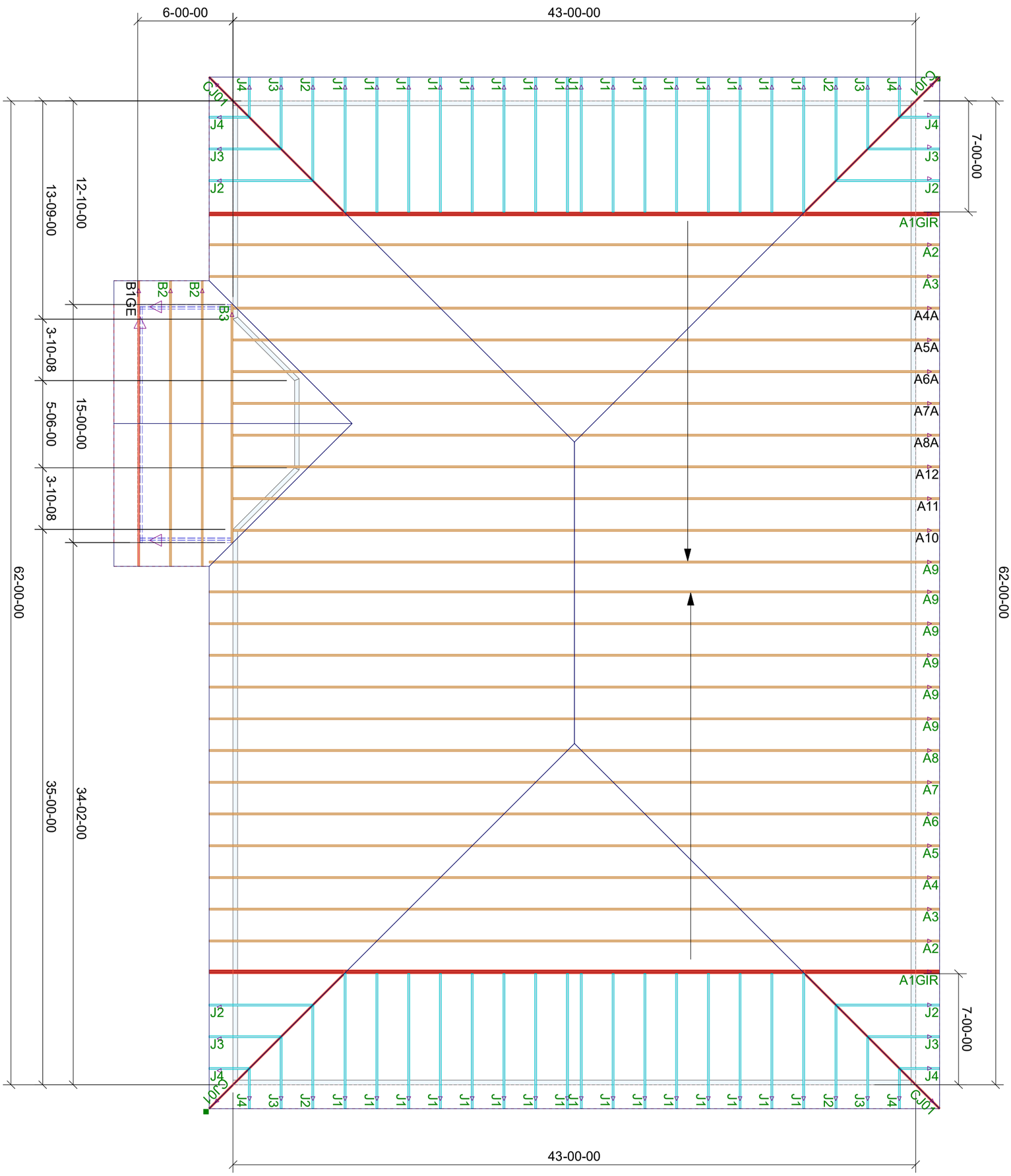


Dale Residence

Columbia County FL.

Client: WHIDDON CONST
Date: 9/15/2021
Quote Date: 08/31/21
Seal Date: / /
Designer: Jason Degroff
Job Number: 0821-027

Mayo Truss Company Inc.

Ph. (386) 294-3988
Fax (386) 294-3981
mayotruss@windstream.net

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

RE: dale_residence - Dale Residence

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Whiddon Construction Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County 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):

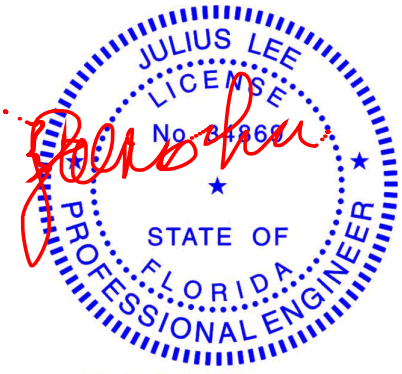
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 25 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	T25354996	A1GIR	9/15/21	23	T25355018	J2	9/15/21
2	T25354997	A2	9/15/21	24	T25355019	J3	9/15/21
3	T25354998	A3	9/15/21	25	T25355020	J4	9/15/21
4	T25354999	A4	9/15/21				
5	T25355000	A4A	9/15/21				
6	T25355001	A5	9/15/21				
7	T25355002	A5A	9/15/21				
8	T25355003	A6	9/15/21				
9	T25355004	A6A	9/15/21				
10	T25355005	A7	9/15/21				
11	T25355006	A7A	9/15/21				
12	T25355007	A8	9/15/21				
13	T25355008	A8A	9/15/21				
14	T25355009	A9	9/15/21				
15	T25355010	A10	9/15/21				
16	T25355011	A11	9/15/21				
17	T25355012	A12	9/15/21				
18	T25355013	B1GE	9/15/21				
19	T25355014	B2	9/15/21				
20	T25355015	B3	9/15/21				
21	T25355016	CJ01	9/15/21				
22	T25355017	J1	9/15/21				

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 USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 15,2021

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

Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A1GIR	Hip Girder	2	2	T25354996
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:54:57 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-TwAyl2ASfgWeLhQGnZ8QuTWkZubD4OdETD0UxJydQly

1-6-0	3-9-4	7-0-0	12-10-10	18-7-9	24-4-7	30-1-6	36-0-0	39-2-12	43-0-0	44-6-0
1-6-0	3-9-4	3-2-12	5-10-10	5-8-14	5-8-14	5-8-14	5-10-10	3-2-12	3-9-4	1-6-0

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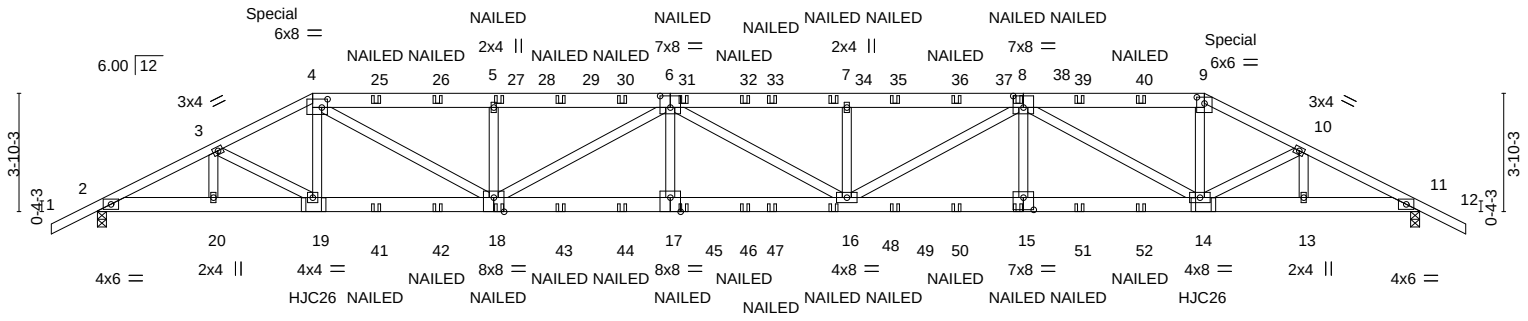


3-9-4	7-0-0	12-10-10	18-7-9	24-4-7	30-1-6	36-0-0	39-2-12	43-0-0
3-9-4	3-2-12	5-10-10	5-8-14	5-8-14	5-8-14	5-10-10	3-2-12	3-9-4

Plate Offsets (X,Y)-- [4:0-2-4,0-3-4], [6:0-4-0,0-4-8], [8:0-4-0,0-4-8], [9:0-3-0,0-2-7], [15:0-4-0,0-4-12], [17:0-4-0,Edge], [18:0-4-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.44	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.88	16-17	>586	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.19	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 568 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-4,9-12: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 15-17,17-18: 2x6 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

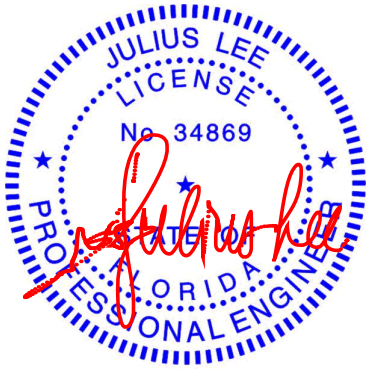
"Special" indicates special hanger(s) or other connection device(s) required at location(s)shown. The design/selection of such special connection device(s) is the responsibility of others. This applies to all applicable truss designs in this job.

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=79(LC 7)
Max Uplift 2=-112(LC 8), 11=-112(LC 8)
Max Grav 2=3666(LC 1), 11=3666(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7596/159, 3-4=-7536/182, 4-5=-10422/232, 5-6=-10418/231, 6-7=-12188/252, 7-8=-12188/252, 8-9=-6846/172, 9-10=-7528/181, 10-11=-7597/160
BOT CHORD 2-20=-80/6765, 19-20=-80/6765, 18-19=-61/6759, 17-18=-148/12232, 16-17=-148/12232, 15-16=-126/10440, 14-15=-126/10440, 13-14=-80/6764, 11-13=-80/6764
WEBS 4-19=0/765, 4-18=-70/4274, 5-18=-839/177, 6-18=-2132/30, 6-17=0/510, 7-16=-712/166, 8-16=-19/2055, 8-15=0/458, 8-14=-4210/75, 9-14=0/2833

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=112, 11=112.
10) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 28-11-4 oc max. starting at 7-0-6 from the left end to 35-11-10 to connect truss(es) to front face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.

Continued on page 2



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Date: September 15,2021

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NOTES-

12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 231 lb down and 139 lb up at 7-0-0, and 231 lb down and 139 lb up at 36-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

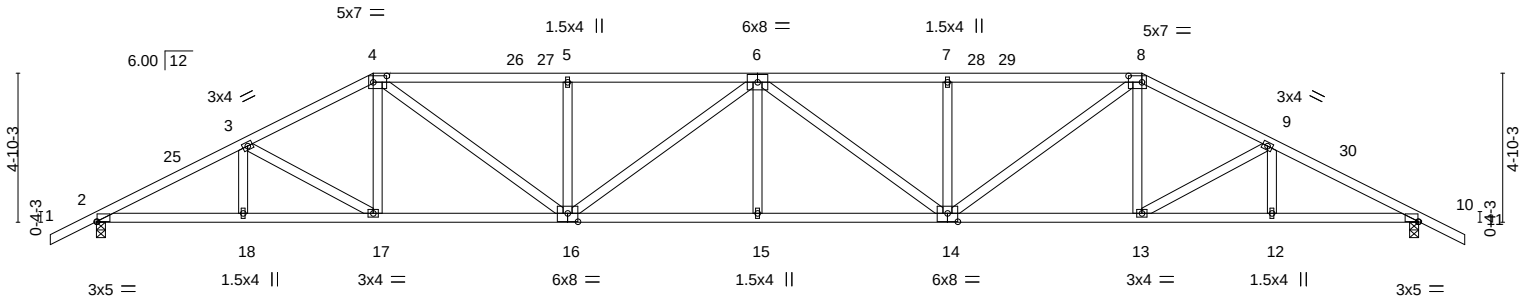
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-9=-60, 9-12=-60, 2-11=-20
   Concentrated Loads (lb)
   Vert: 4=-184(F) 9=-184(F) 19=-358(F) 18=-62(F) 5=-125(F) 8=-125(F) 15=-62(F) 14=-358(F) 25=-125(F) 26=-125(F) 29=-125(F) 30=-125(F) 31=-125(F) 32=-125(F) 33=-125(F) 34=-125(F) 35=-125(F) 36=-125(F) 39=-125(F) 40=-125(F) 41=-62(F) 42=-62(F) 43=-62(F) 44=-62(F) 45=-62(F) 46=-62(F) 47=-62(F) 48=-62(F) 49=-62(F) 50=-62(F) 51=-62(F) 52=-62(F)

Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A2	Hip	2	1	T25354997
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:54:59 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-QIIijjCiBHmLa?aeu_Au_uc2wiHLYLUXxXVb0BydQIw

1-6-0	4-9-4	9-0-0	15-3-14	21-6-0	27-8-2	34-0-0	38-2-12	43-0-0	44-6-0
1-6-0	4-9-4	4-2-12	6-3-14	6-2-2	6-2-2	6-3-14	4-2-12	4-9-4	1-6-0

Scale = 1:74.9



4-9-4	9-0-0	15-3-14	21-6-0	27-8-2	34-0-0	38-2-12	43-0-0
4-9-4	4-2-12	6-3-14	6-2-2	6-2-2	6-3-14	4-2-12	4-9-4

Plate Offsets (X,Y)-- [2:0-0-4,0-0-0], [4:0-5-4,0-2-8], [8:0-5-4,0-2-8], [10:0-0-4,0-0-0], [14:0-4-0,0-3-4], [16:0-4-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.37	15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.75	15-16	>692	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.22	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 232 lb	FT = 20%

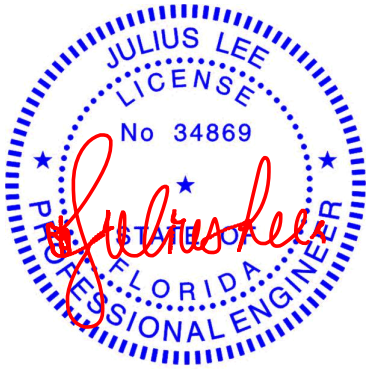
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=98(LC 11)
Max Uplift 2=-36(LC 12), 10=-36(LC 12)
Max Grav 2=1810(LC 1), 10=1810(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3406/126, 3-4=-3076/134, 4-5=-3763/167, 5-6=-3763/167, 6-7=-3763/168, 7-8=-3763/168, 8-9=-3076/135, 9-10=-3406/125
BOT CHORD 2-18=-39/2994, 17-18=-39/2994, 16-17=0/2711, 15-16=-20/4090, 14-15=-20/4090, 13-14=0/2711, 12-13=-53/2994, 10-12=-53/2994
WEBS 3-17=-344/66, 4-17=0/350, 4-16=-39/1365, 5-16=-399/103, 6-16=-467/9, 6-14=-467/9, 7-14=-399/103, 8-14=-39/1365, 8-13=0/350, 9-13=-344/65

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 9-0-0, Exterior(2R) 9-0-0 to 15-3-14, Interior(1) 15-3-14 to 34-0-0, Exterior(2R) 34-0-0 to 40-1-0, Interior(1) 40-1-0 to 44-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 15,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A3	Hip	2	1	T25354998
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:00 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-uVs5x3DKxbuCC89qSih7W68CP5fTGqNg9BF8YeydQlv

1-6-0	5-9-4	11-0-0	18-0-9	24-11-7	32-0-0	37-2-12	43-0-0	44-6-0
1-6-0	5-9-4	5-2-12	7-0-9	6-10-13	7-0-9	5-2-12	5-9-4	1-6-0

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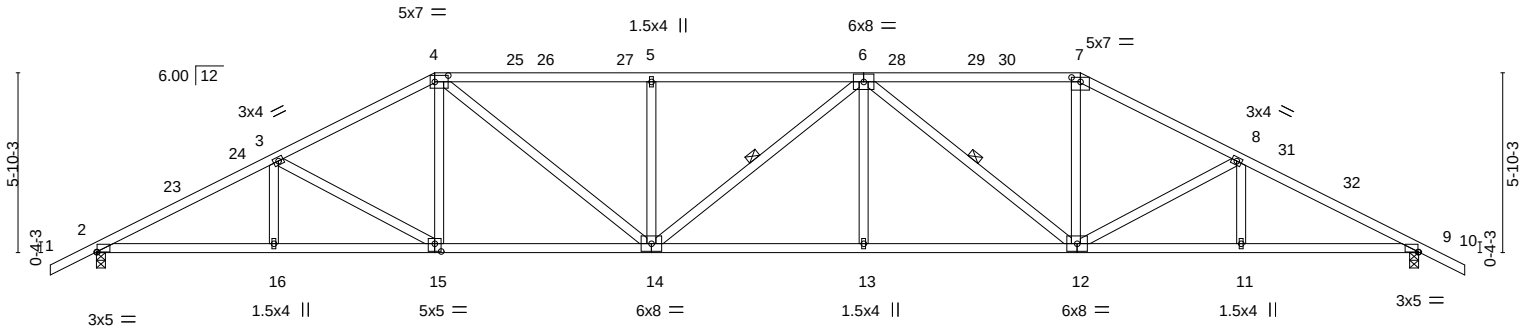


5-9-4	11-0-0	18-0-9	24-11-7	32-0-0	37-2-12	43-0-0
5-9-4	5-2-12	7-0-9	6-10-13	7-0-9	5-2-12	5-9-4

Plate Offsets (X,Y)-- [2:0-0-4,0-0-0], [4:0-5-4,0-2-8], [7:0-3-8,0-1-12], [9:0-0-4,0-0-0], [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	0.68	Vert(LL)	-0.29	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.60	13-14	>861	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.20	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 231 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 6-14, 6-12

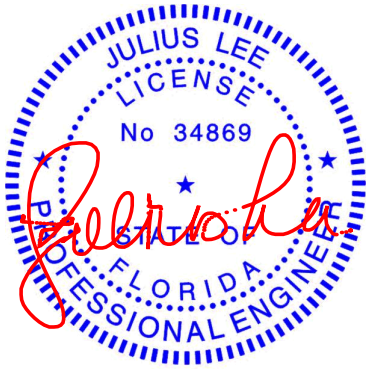
REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=116(LC 11)
Max Uplift 2=-36(LC 12), 9=-36(LC 12)
Max Grav 2=1810(LC 1), 9=1810(LC 1)

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

TOP CHORD	2-3=-3377/131, 3-4=-2934/144, 4-5=-3288/171, 5-6=-3288/171, 6-7=-2573/153, 7-8=-2928/144, 8-9=-3377/131
BOT CHORD	2-16=-37/2961, 15-16=-37/2961, 14-15=0/2560, 13-14=0/3287, 12-13=0/3287, 11-12=-51/2961, 9-11=-51/2961
WEBS	3-15=-467/75, 4-15=0/423, 4-14=-30/1024, 5-14=-440/109, 6-13=0/279, 6-12=-1012/32, 7-12=0/926, 8-12=-471/75

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 11-0-0, Exterior(2R) 11-0-0 to 17-1-0, Interior(1) 17-1-0 to 32-0-0, Exterior(2R) 32-0-0 to 38-1-0, Interior(1) 38-1-0 to 44-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

September 15,2021

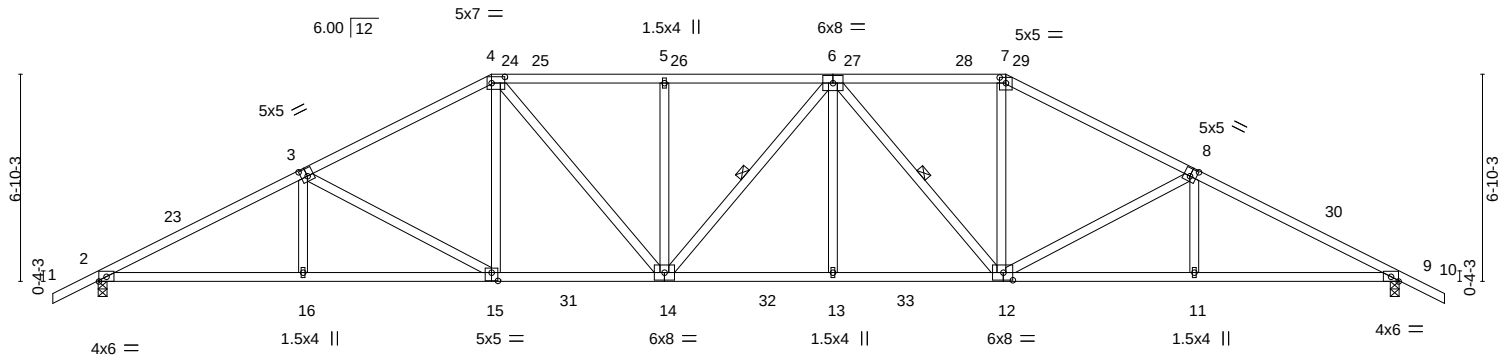
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A4	Hip	1	1	T25354999
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:01 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-MhQT8PDyiu03qIk10PCM3JhPGVzs?DLqOr_h44ydQIu

1-6-0	6-9-4	13-0-0	18-8-9	24-3-7	30-0-0	36-2-12	43-0-0	44-6-0
1-6-0	6-9-4	6-2-12	5-8-9	5-6-13	5-8-9	6-2-12	6-9-4	1-6-0

Scale = 1:76.2



6-9-4	13-0-0	18-8-9	24-3-7	30-0-0	36-2-12	43-0-0
6-9-4	6-2-12	5-8-9	5-6-13	5-8-9	6-2-12	6-9-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.30	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.56	13-14	>925	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.21	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 242 lb	FT = 20%

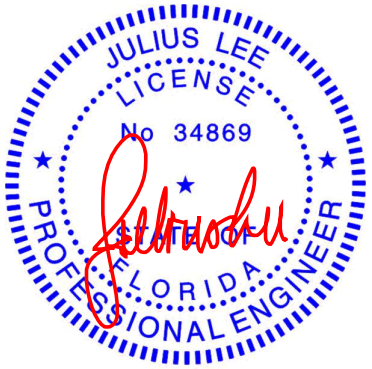
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-14, 6-12

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-135(LC 10)
Max Uplift 2=-36(LC 12), 9=-36(LC 12)
Max Grav 2=2033(LC 17), 9=2029(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3747/135, 3-4=-3114/157, 4-5=-3138/177, 5-6=-3138/177, 6-7=-2727/169, 7-8=-3099/157, 8-9=-3740/135
BOT CHORD 2-16=-32/3395, 15-16=-34/3390, 14-15=0/2774, 13-14=0/3168, 12-13=0/3168, 11-12=-48/3282, 9-11=-47/3288
WEBS 3-16=0/266, 3-15=-706/82, 4-15=0/587, 4-14=-27/758, 5-14=-356/92, 6-13=0/297, 6-12=-776/29, 7-12=0/1056, 8-12=-712/82, 8-11=0/268

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 13-0-0, Exterior(2R) 13-0-0 to 19-1-0, Interior(1) 19-1-0 to 30-0-0, Exterior(2R) 30-0-0 to 36-1-13, Interior(1) 36-1-13 to 44-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 15,2021

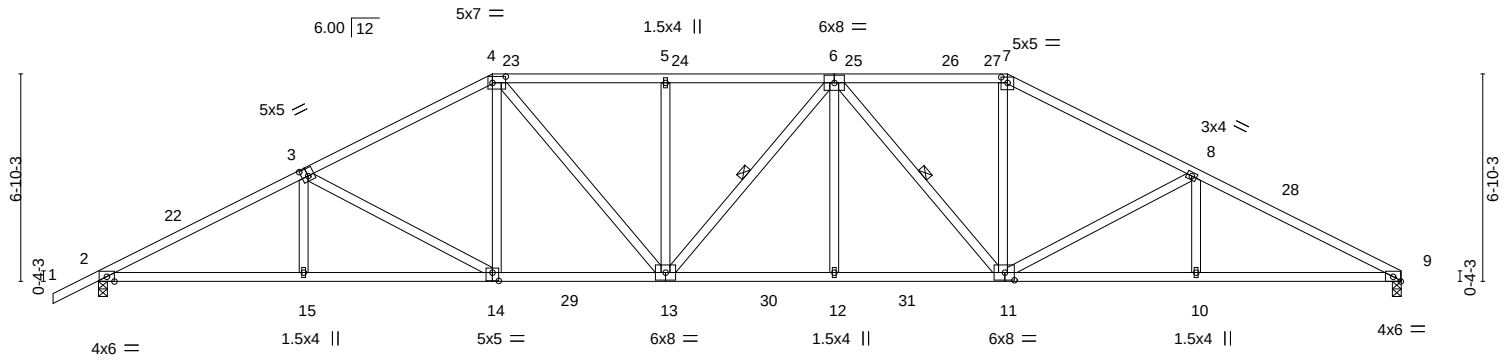
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A4A	Hip	1	1	T25355000
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:02 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-qtzrMlEbTC8wRSJDa7kbbXEaivIikfHzdVkFcWydQIt

1-6-0	6-9-4	13-0-0	18-8-9	24-3-7	30-0-0	36-2-12	43-0-0
1-6-0	6-9-4	6-2-12	5-8-9	5-6-13	5-8-9	6-2-12	6-9-4

Scale = 1:76.1



6-9-4	13-0-0	18-8-9	24-3-7	30-0-0	36-2-12	43-0-0
6-9-4	6-2-12	5-8-9	5-6-13	5-8-9	6-2-12	6-9-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	-0.30	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.56	12-13	>924	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.21	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 239 lb	FT = 20%

LUMBER-

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

BRACING-

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

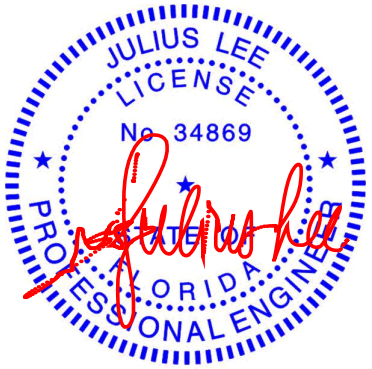
REACTIONS. (size) 9=0-3-8, 2=0-3-8
Max Horz 2=131(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 9=1947(LC 18), 2=2034(LC 17)

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

TOP CHORD	2-3=-3749/139, 3-4=-3116/162, 4-5=-3141/179, 5-6=-3141/179, 6-7=-2733/171, 7-8=-3108/165, 8-9=-3763/143
BOT CHORD	2-15=-71/3390, 14-15=-72/3384, 13-14=-1/2769, 12-13=-13/3164, 11-12=-13/3164, 10-11=-68/3315, 9-10=-68/3315
WEBS	3-15=0/266, 3-14=-706/82, 4-14=0/587, 4-13=-27/759, 5-13=-356/92, 6-12=0/297, 6-11=-775/27, 7-11=0/1057, 8-11=-734/86, 8-10=0/270

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 13-0-0, Exterior(2R) 13-0-0 to 19-1-0, Interior(1) 19-1-0 to 30-0-0, Exterior(2R) 30-0-0 to 36-2-12, Interior(1) 36-2-12 to 43-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
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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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 15,2021

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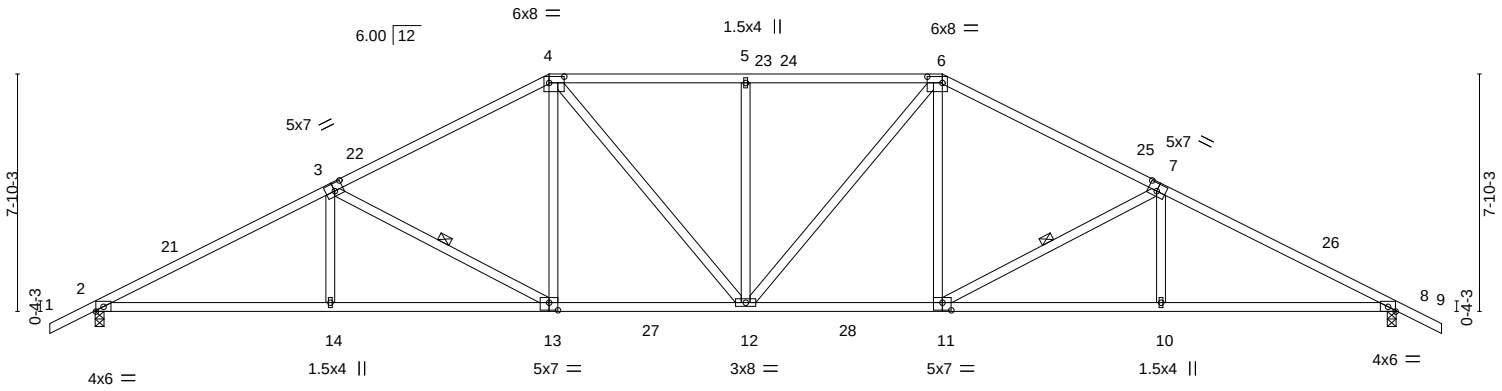
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A5	Hip	1	1	T25355001
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:04 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-mG5bnRGr?pOehmSchXm3hyJszjz8CdPG4pDLhPydQIr

1-6-0	7-9-4	15-0-0	21-6-0	28-0-0	35-2-12	43-0-0	44-6-0
1-6-0	7-9-4	7-2-12	6-6-0	6-6-0	7-2-12	7-9-4	1-6-0

Scale = 1:76.2



7-9-4	15-0-0	21-6-0	28-0-0	35-2-12	43-0-0
7-9-4	7-2-12	6-6-0	6-6-0	7-2-12	7-9-4

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

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	0.71	Vert(LL)	-0.28	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.52	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.20	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 234 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-13, 7-11

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=153(LC 11)
Max Uplift 2=-36(LC 12), 8=-36(LC 12)
Max Grav 2=2030(LC 17), 8=2030(LC 18)

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

TOP CHORD	2-3=-3682/138, 3-4=-2928/166, 4-5=-2764/186, 5-6=-2764/186, 6-7=-2928/166, 7-8=-3682/138
BOT CHORD	2-14=-27/3345, 13-14=-29/3339, 12-13=0/2603, 11-12=0/2523, 10-11=-43/3225, 8-10=-42/3230
WEBS	3-14=0/313, 3-13=-842/91, 4-13=0/682, 4-12=-22/505, 5-12=-424/97, 6-12=-22/505, 6-11=0/682, 7-11=-842/91, 7-10=0/313

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 15-0-0, Exterior(2R) 15-0-0 to 21-1-0, Interior(1) 21-1-0 to 28-0-0, Exterior(2R) 28-0-0 to 34-1-0, Interior(1) 34-1-0 to 44-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
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:

September 15,2021

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Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A5A	Hip	1	1	T25355002
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:05 2021 Page 1
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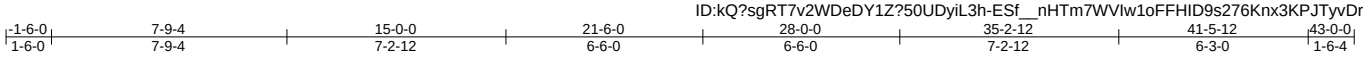
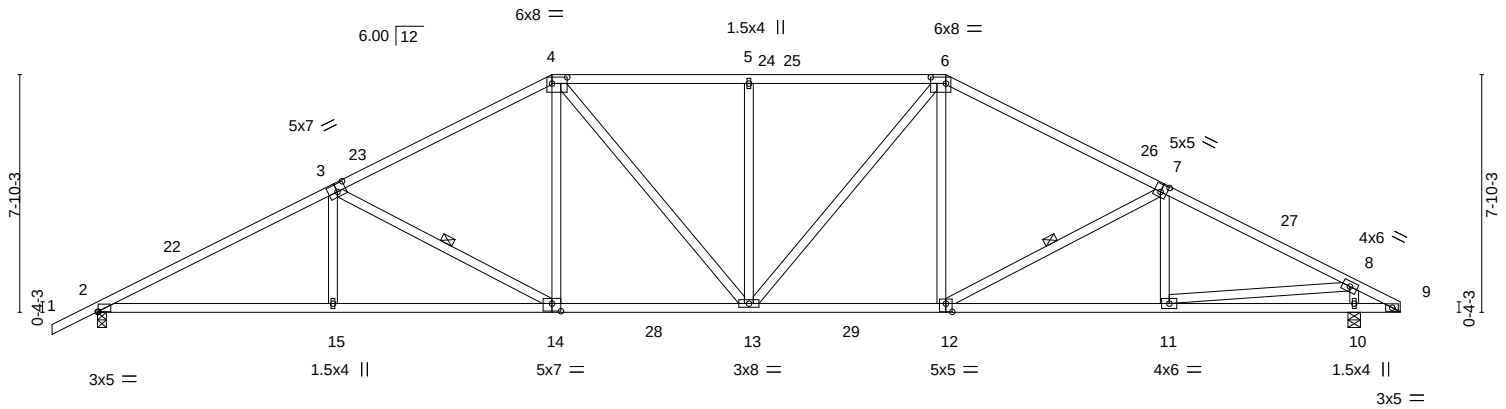


Scale = 1:76.1



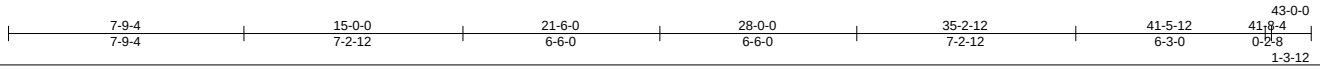


Plate Offsets (X,Y)-- [2:0-0-4,0-0-0], [3:0-3-8,0-3-0], [4:0-6-0,0-2-8], [6:0-6-0,0-2-8], [7:0-2-8,0-3-0], [12:0-2-8,0-3-4], [14:0-3-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.24	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.44	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.15	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 241 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-14, 7-12

REACTIONS. (size) 2=0-3-8, 10=0-4-15
Max Horz 2=149(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1964(LC 17), 10=1999(LC 18)

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

TOP CHORD	2-3=-3536/134, 3-4=-2781/162, 4-5=-2575/181, 5-6=-2575/181, 6-7=-2638/156, 7-8=-2963/111, 8-9=-281/0
BOT CHORD	2-15=-58/3208, 14-15=-60/3202, 13-14=0/2465, 12-13=0/2275, 11-12=-31/2573, 10-11=-3/297, 9-10=-3/297
WEBS	3-15=0/314, 3-14=-843/91, 4-14=0/683, 4-13=-18/427, 5-13=-422/97, 6-13=-24/569, 6-12=0/475, 7-12=-382/71, 8-11=-83/2293, 8-10=-1781/204

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 15-0-0, Exterior(2R) 15-0-0 to 21-1-0, Interior(1) 21-1-0 to 28-0-0, Exterior(2R) 28-0-0 to 34-1-0, Interior(1) 34-1-0 to 43-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
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:

September 15,2021

MiTek
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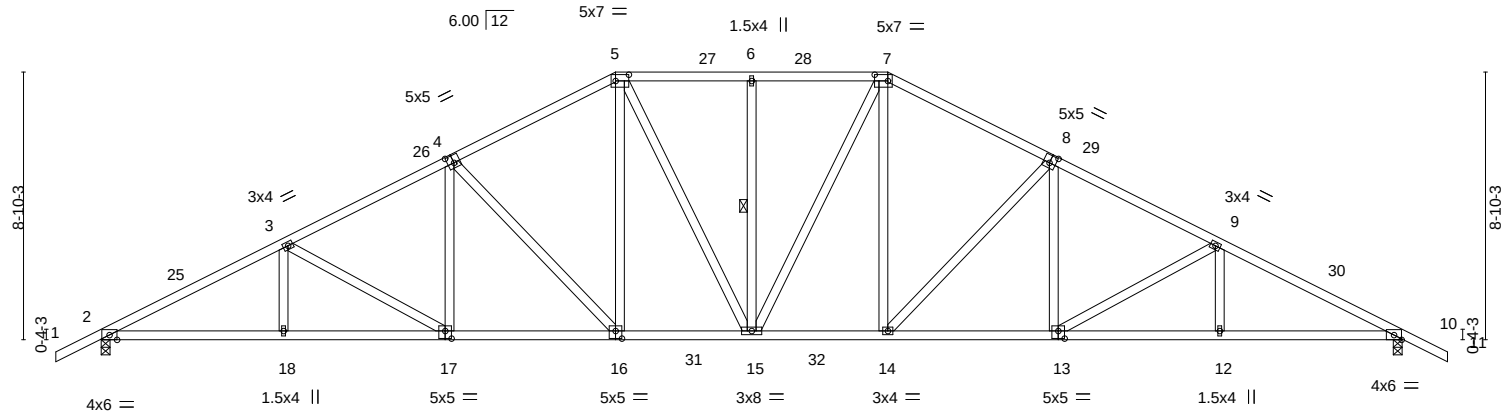
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A6	Hip	1	1	T25355003
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:06 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-jeDMB6H5XReMw3c_pyoXmNOGUWi3gQ1ZY7iSmHydQIp

1-6-0	6-0-5	11-6-3	17-0-0	21-6-0	26-0-0	31-5-13	36-11-11	43-0-0	44-6-0
1-6-0	6-0-5	5-5-13	5-5-13	4-6-0	4-6-0	5-5-13	5-5-13	6-0-5	1-6-0

Scale = 1:76.2



6-0-5	11-6-3	17-0-0	21-6-0	26-0-0	31-5-13	36-11-11	43-0-0
6-0-5	5-5-13	5-5-13	4-6-0	4-6-0	5-5-13	5-5-13	6-0-5

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [5:0-5-4,0-2-8], [7:0-5-4,0-2-8], [8:0-2-8,0-3-0], [13:0-2-8,0-3-0], [16:0-2-8,0-3-0], [17:0-2-8,0-3-0]

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)	-0.25	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.47	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.20	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 269 lb	FT = 20%

LUMBER-

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

BRACING-

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

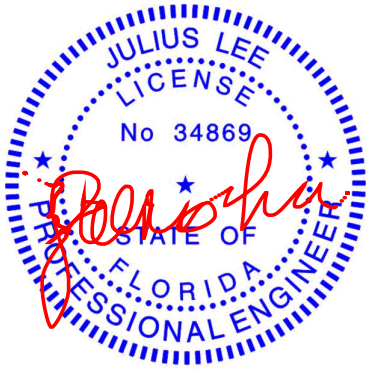
REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-172(LC 10)
Max Uplift 2=-36(LC 12), 10=-36(LC 12)
Max Grav 2=2019(LC 17), 10=2019(LC 18)

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

TOP CHORD	2-3=-3770/126, 3-4=-3234/160, 4-5=-2664/188, 5-6=-2402/195, 6-7=-2402/195, 7-8=-2651/187, 8-9=-3234/160, 9-10=-3769/126
BOT CHORD	2-18=-30/3437, 17-18=-30/3437, 16-17=0/2912, 15-16=0/2392, 14-15=0/2330, 13-14=-8/2782, 12-13=-44/3307, 10-12=-44/3307
WEBS	3-17=-583/44, 4-17=0/482, 4-16=-764/84, 5-16=0/772, 5-15=-24/361, 6-15=-283/72, 7-15=-25/359, 7-14=0/767, 8-14=-770/83, 8-13=0/486, 9-13=-583/44

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 17-0-0, Exterior(2R) 17-0-0 to 23-1-0, Interior(1) 23-1-0 to 26-0-0, Exterior(2R) 26-0-0 to 32-1-0, Interior(1) 32-1-0 to 44-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 15,2021

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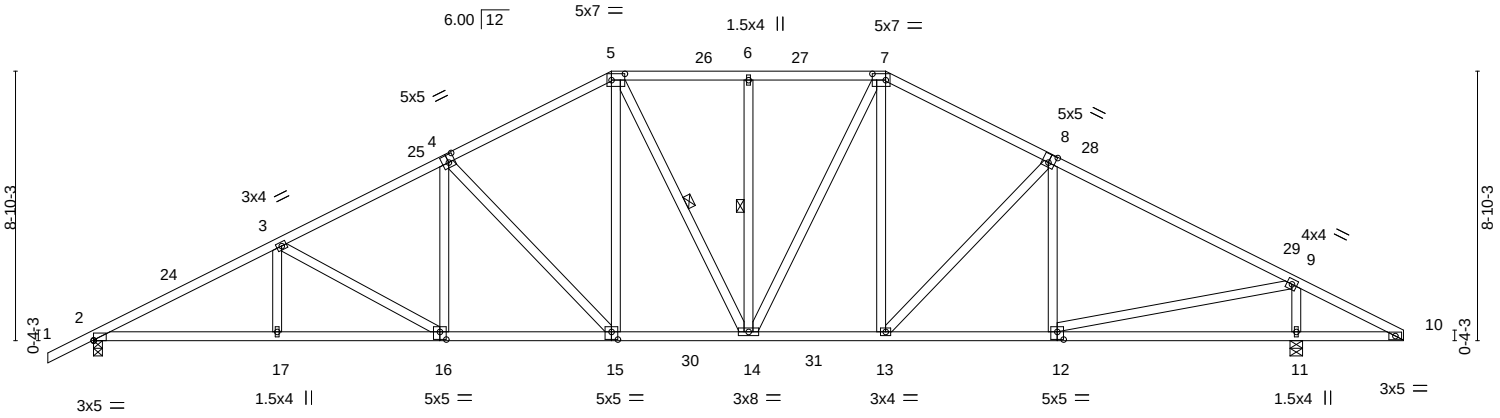
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A6A	Hip	1	1	T25355004
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:08 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-f1L6coJL32u49NmNwNr?roUaPKOW8Jdr?RBZqAydQIn

1-6-0	6-0-5	11-6-3	17-0-0	21-6-0	26-0-0	31-5-13	39-5-12	43-0-0
1-6-0	6-0-5	5-5-13	5-5-13	4-6-0	4-6-0	5-5-13	7-11-15	3-6-4

Scale = 1:75.6



6-0-5	11-6-3	17-0-0	21-6-0	26-0-0	31-5-13	39-5-12	39-8-4	43-0-0
6-0-5	5-5-13	5-5-13	4-6-0	4-6-0	5-5-13	7-11-15	0-2-8	3-3-12

Plate Offsets (X,Y)-- [2:Edge,0-0-4], [4:0-2-8,0-3-0], [5:0-5-4,0-2-8], [7:0-5-4,0-2-8], [8:0-2-8,0-3-4], [12:0-2-8,0-3-0], [15:0-2-8,0-3-0], [16:0-2-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.18	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.34	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 267 lb	FT = 20%

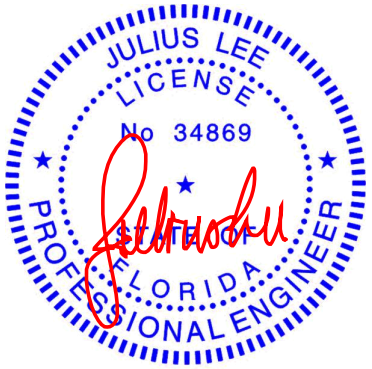
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-14, 6-14

REACTIONS. (size) 2=0-3-8, 11=0-4-15
Max Horz 2=168(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1858(LC 17), 11=2061(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3417/100, 3-4=-2878/134, 4-5=-2306/162, 5-6=-1999/166, 6-7=-1999/166, 7-8=-2089/153, 8-9=-2243/80
BOT CHORD 2-17=-41/3115, 16-17=-41/3115, 15-16=-4/2585, 14-15=0/2065, 13-14=0/1831, 12-13=0/1904
WEBS 3-16=-589/44, 4-16=0/484, 4-15=-765/84, 5-15=0/771, 6-14=-291/75, 7-14=-38/491, 7-13=0/361, 8-12=-268/120, 9-12=-116/1999, 9-11=-1831/259

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 17-0-0, Exterior(2R) 17-0-0 to 23-1-0, Interior(1) 23-1-0 to 26-0-0, Exterior(2R) 26-0-0 to 32-1-0, Interior(1) 32-1-0 to 43-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
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:

September 15,2021

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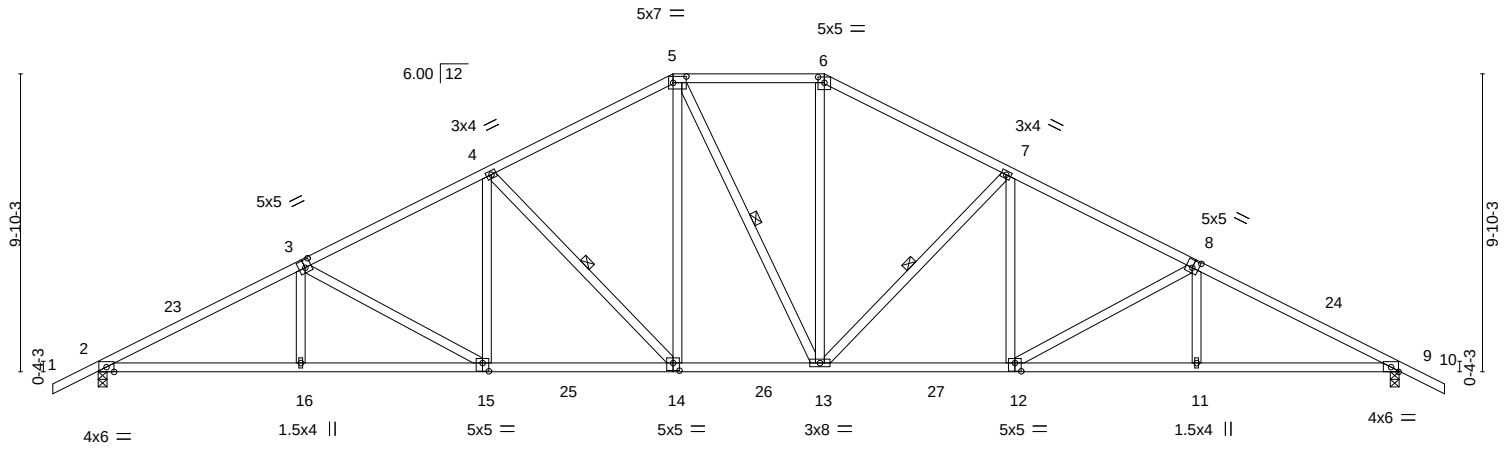
Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A7	Hip	1	1	T25355005
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:09 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-7DvUq8K_qM0xnXLZU5MEO?0lZkhftre?E5w6McydQIm

1-6-0	6-8-5	12-10-3	19-0-0	24-0-0	30-1-13	36-3-11	43-0-0	44-6-0
1-6-0	6-8-5	6-1-13	6-1-13	5-0-0	6-1-13	6-1-13	6-8-5	1-6-0

Scale = 1:76.2



6-8-5	12-10-3	19-0-0	24-0-0	30-1-13	36-3-11	43-0-0
6-8-5	6-1-13	6-1-13	5-0-0	6-1-13	6-1-13	6-8-5

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.28	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.52	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.20	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 256 lb	FT = 20%

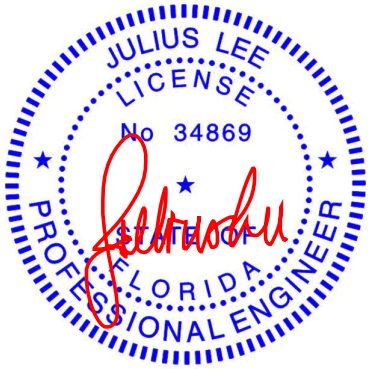
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=190(LC 11)
Max Uplift 2=-36(LC 12), 9=-36(LC 12)
Max Grav 2=2046(LC 17), 9=2044(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3787/121, 3-4=-3180/159, 4-5=-2511/191, 5-6=-2186/199, 6-7=-2494/190, 7-8=-3175/159, 8-9=-3783/121
BOT CHORD 2-16=-19/3460, 15-16=-21/3455, 14-15=0/2873, 13-14=0/2255, 12-13=0/2726, 11-12=-35/3308, 9-11=-33/3313
WEBS 3-16=0/255, 3-15=-657/50, 4-15=0/581, 4-14=-895/87, 5-14=0/878, 6-13=0/827, 7-13=-899/87, 7-12=0/583, 8-12=-658/50, 8-11=0/254

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 19-0-0, Exterior(2E) 19-0-0 to 24-0-0, Exterior(2R) 24-0-0 to 30-1-13, Interior(1) 30-1-13 to 44-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

September 15,2021

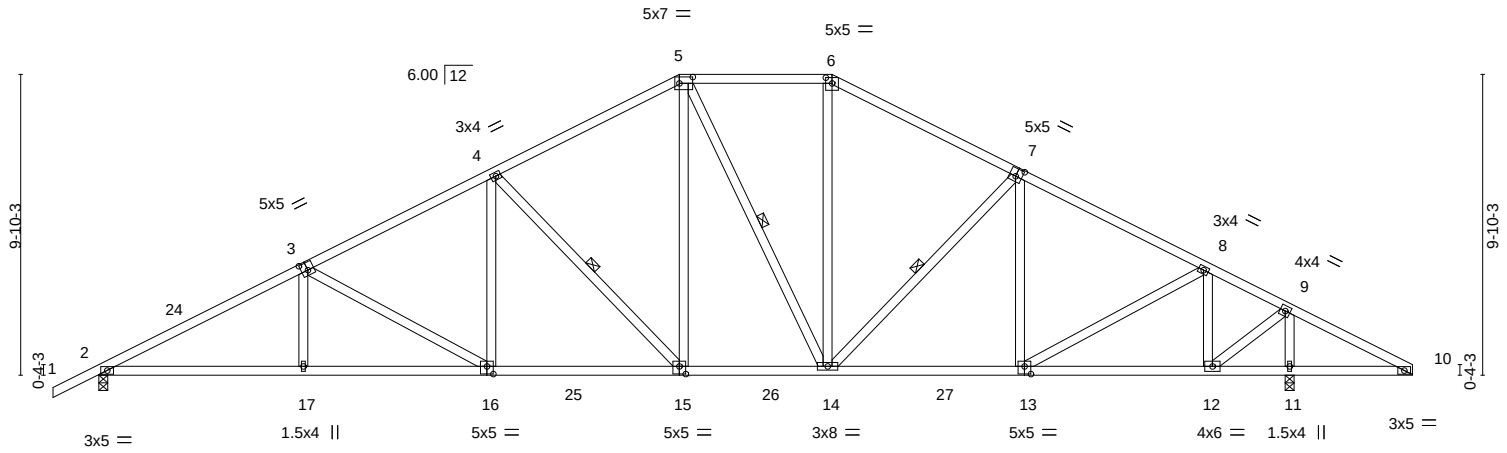
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A7A	Hip	1	1	T25355006
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:10 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-bQSt1UKcbf8oPhwl2otTwDZxK730cIp8Skggv3ydQlI

-1-6-0	6-8-5	12-10-3	19-0-0	24-0-0	30-1-13	36-3-11	38-11-12	43-0-0
1-6-0	6-8-5	6-1-13	6-1-13	5-0-0	6-1-13	6-1-13	2-8-1	4-0-4

Scale = 1:75.4



6-8-5	12-10-3	19-0-0	24-0-0	30-1-13	36-3-11	38-11-12	39-1-8	43-0-0
6-8-5	6-1-13	6-1-13	5-0-0	6-1-13	6-1-13	2-8-1	0-1-12	3-10-8

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-8], [6:0-2-8,0-2-4], [7:0-2-8,0-3-0], [13:0-2-8,0-3-0], [15:0-2-8,0-3-0], [16:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.20	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.36	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 261 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-15, 5-14, 7-14

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=186(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1857(LC 17), 11=2109(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3359/88, 3-4=-2760/125, 4-5=-2090/158, 5-6=-1690/164, 6-7=-1948/152, 7-8=-2124/83, 8-9=-1342/33, 9-10=-212/346
BOT CHORD 2-17=-24/3082, 16-17=-26/3077, 15-16=0/2489, 14-15=0/1872, 13-14=0/1831, 12-13=0/1159, 11-12=-265/209, 10-11=-265/209
WEBS 3-17=0/257, 3-16=-663/50, 4-16=0/583, 4-15=-895/87, 5-15=0/879, 5-14=-327/39, 6-14=0/599, 7-14=-290/61, 8-13=-63/798, 8-12=-952/137, 9-12=-89/1778, 9-11=-1977/181

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 19-0-0, Exterior(2E) 19-0-0 to 24-0-0, Exterior(2R) 24-0-0 to 30-0-14, Interior(1) 30-0-14 to 43-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
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:

September 15,2021

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Tampa, FL 36610

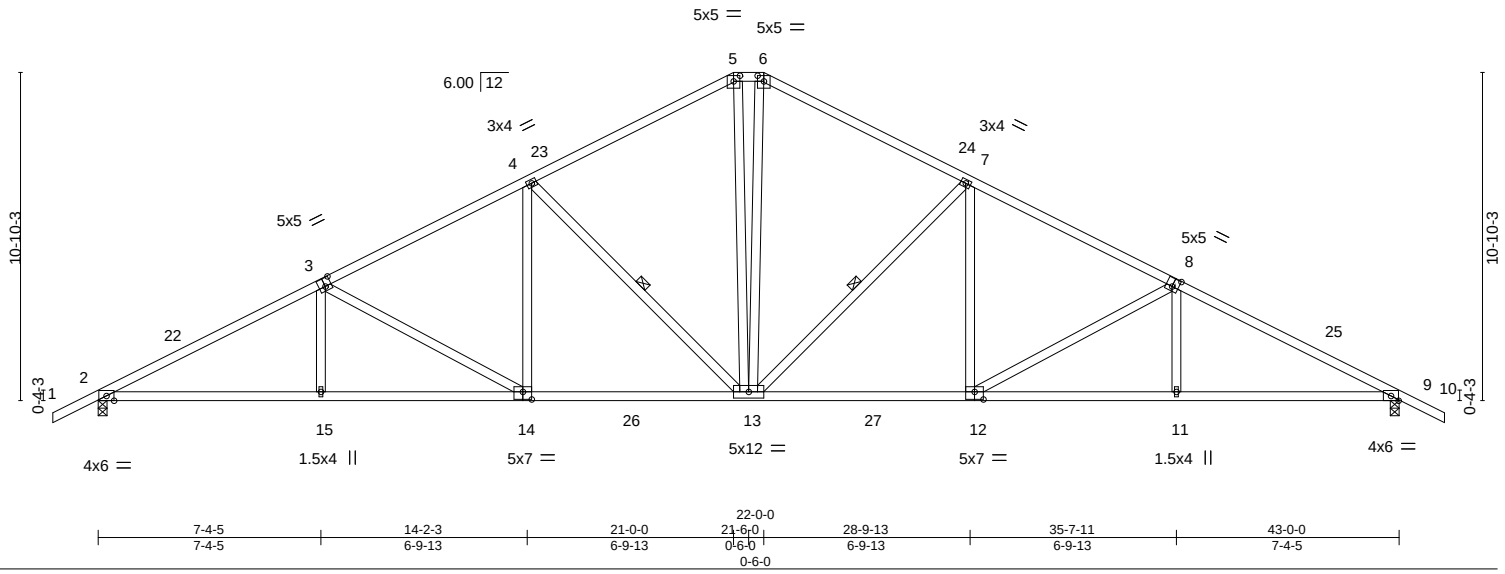
Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A8	Hip	1	1	T25355007
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:11 2021 Page 1

ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-3c0FFqLEMzGe0rVybWOiTQ64UXNBLhkIhOPDRVydQIk

-1-6-0	7-4-5	14-2-3	21-0-0	22-0-0	28-9-13	35-7-11	43-0-0	44-6-0
1-6-0	7-4-5	6-9-13	6-9-13	1-0-0	6-9-13	6-9-13	7-4-5	1-6-0

Scale = 1:76.2



7-4-5	14-2-3	21-0-0	22-0-0	28-9-13	35-7-11	43-0-0
7-4-5	6-9-13	6-9-13	0-6-0	6-9-13	6-9-13	7-4-5

0-6-0

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

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)	-0.30	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.55	13-14	>933	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.20	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 253 lb	FT = 20%

LUMBER-

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

BRACING-

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

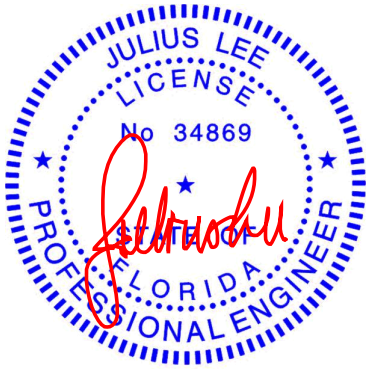
REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-209(LC 10)
Max Uplift 2=-36(LC 12), 9=-36(LC 12)
Max Grav 2=2033(LC 17), 9=2033(LC 18)

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

TOP CHORD	2-3=-3704/97, 3-4=-3032/139, 4-5=-2266/178, 5-6=-1983/185, 6-7=-2266/178, 7-8=-3032/139, 8-9=-3705/97
BOT CHORD	2-15=0/3408, 14-15=0/3402, 13-14=0/2743, 12-13=0/2608, 11-12=-8/3246, 9-11=-6/3252
WEBS	3-15=0/286, 3-14=-743/56, 4-14=0/650, 4-13=-1007/93, 7-13=-1007/93, 7-12=0/650, 8-12=-744/56, 8-11=0/286, 5-13=-40/854, 6-13=-40/854

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 21-0-0, Exterior(2E) 21-0-0 to 22-0-0, Exterior(2R) 22-0-0 to 28-1-0, Interior(1) 28-1-0 to 44-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

September 15,2021

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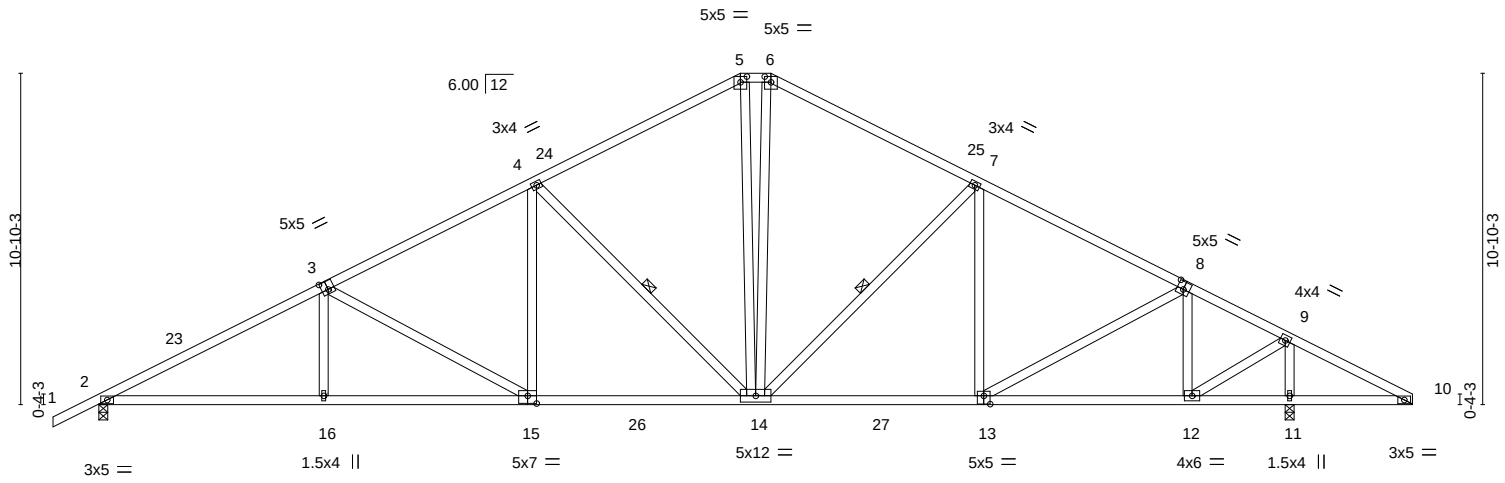
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A8A	Hip	1	1	T25355008
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:12 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-XoadSAMs7HPVe_489Dvx?eeGLxkW48wRw29nzxydQlj

-1-6-0 | 7-4-5 | 14-2-3 | 21-0-0 | 22-0-0 | 28-9-13 | 35-7-11 | 38-11-12 | 43-0-0
1-6-0 | 7-4-5 | 6-9-13 | 6-9-13 | 1-0-0 | 6-9-13 | 6-9-13 | 3-4-1 | 4-0-4

Scale = 1:75.4



7-4-5 | 14-2-3 | 21-0-0 | 21-6-0 | 22-0-0 | 28-9-13 | 35-7-11 | 38-11-12 | 39-1-8 | 43-0-0
7-4-5 | 6-9-13 | 6-9-13 | 0-6-0 | 0-6-0 | 6-9-13 | 6-9-13 | 3-4-1 | 0-1-12 | 3-10-8

Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [5:0-2-8,0-2-4], [6:0-2-8,0-2-4], [8:0-2-8,0-3-0], [13:0-2-8,0-3-4], [15:0-3-8,0-3-0]

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	0.62	Vert(LL)	-0.22	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.39	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 258 lb	FT = 20%

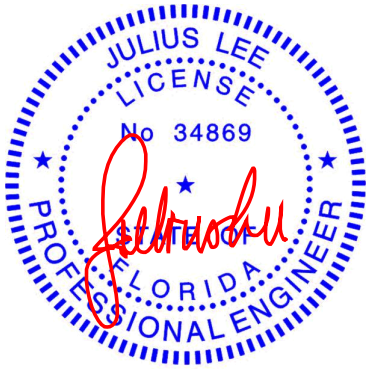
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=205(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1844(LC 17), 11=2096(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3290/69, 3-4=-2614/111, 4-5=-1829/150, 5-6=-1598/159, 6-7=-1847/146, 7-8=-2127/78, 8-9=-1531/34, 9-10=-215/345
BOT CHORD 2-16=0/3031, 15-16=0/3025, 14-15=0/2361, 13-14=0/1845, 12-13=0/1337, 11-12=-264/211, 10-11=-264/211
WEBS 3-16=0/287, 3-15=-748/57, 4-15=0/653, 4-14=-1008/93, 7-14=-455/67, 8-13=-42/611, 8-12=-804/132, 9-12=-91/1842, 9-11=-1961/184, 5-14=-24/646, 6-14=-29/678

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 21-0-0, Exterior(2E) 21-0-0 to 22-0-0, Exterior(2R) 22-0-0 to 28-1-0, Interior(1) 28-1-0 to 43-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
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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September 15,2021

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Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A9	Common	6	1	T25355009

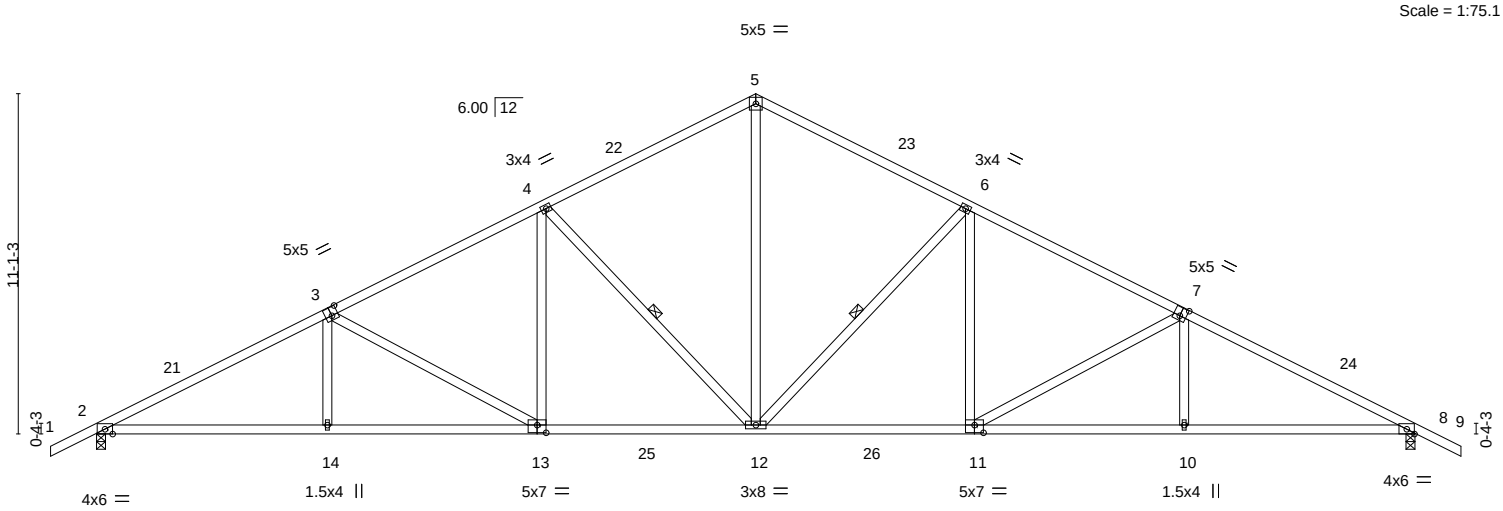
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:14 2021 Page 1

ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-UBiNtsN6eufDtIDXHexP43jaPlNgY1RkNMet2qydQIh

1-6-0	7-6-5	14-6-3	21-6-0	28-5-13	35-5-11	43-0-0	44-6-0
1-6-0	7-6-5	6-11-13	6-11-13	6-11-13	6-11-13	7-6-5	1-6-0

Scale = 1:75.1



7-6-5	14-6-3	21-6-0	28-5-13	35-5-11	43-0-0
7-6-5	6-11-13	6-11-13	6-11-13	6-11-13	7-6-5

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

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	0.71	Vert(LL)	-0.30	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.55	11-12	>941	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.20	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 239 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 6-12, 4-12

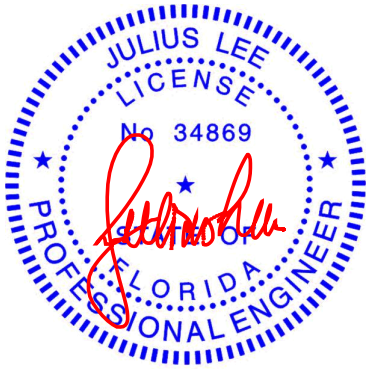
REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-213(LC 10)
Max Uplift 2=-36(LC 12), 8=-36(LC 12)
Max Grav 2=2032(LC 17), 8=2032(LC 18)

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

TOP CHORD	2-3=-3693/111, 3-4=-2998/154, 4-5=-2264/195, 5-6=-2264/195, 6-7=-2999/154, 7-8=-3694/111
BOT CHORD	2-14=-0/3400, 13-14=-2/3395, 12-13=0/2713, 11-12=0/2582, 10-11=-10/3235, 8-10=-8/3241
WEBS	5-12=-35/1600, 6-12=-1004/95, 6-11=0/657, 7-11=-769/58, 7-10=0/296, 4-12=-1004/95, 4-13=0/657, 3-13=-769/58, 3-14=0/296

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 21-6-0, Exterior(2R) 21-6-0 to 25-9-10, Interior(1) 25-9-10 to 44-6-0 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
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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September 15,2021

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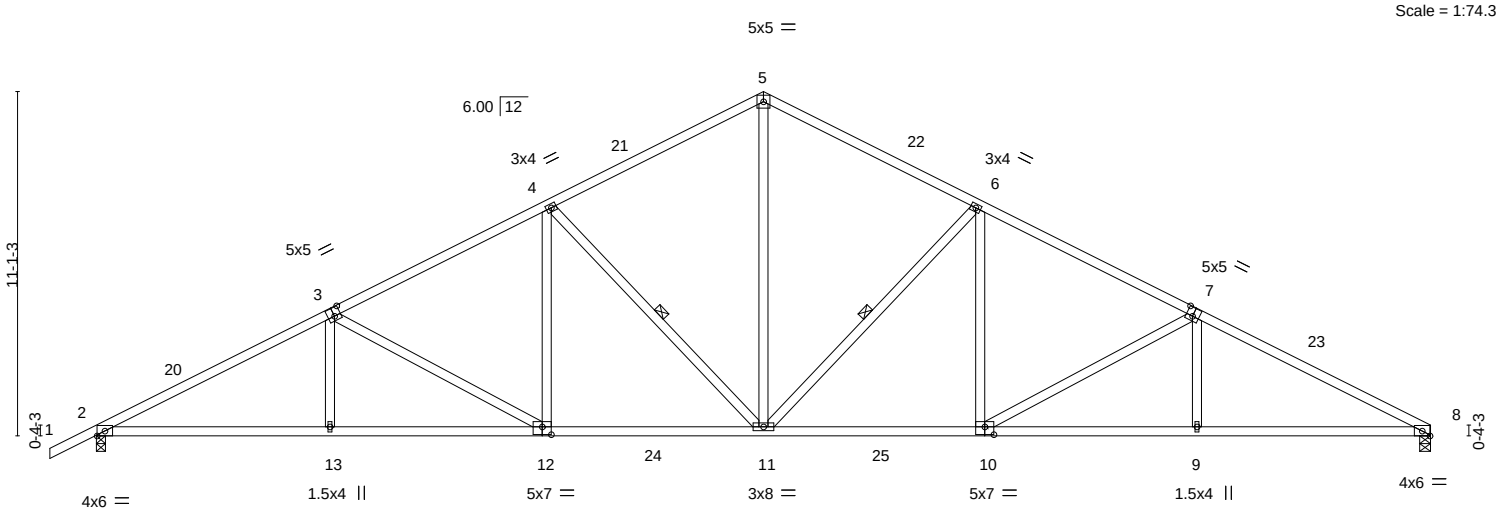
Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A10	Common	1	1	T25355010
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:54:49 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-iNhwdI4RXCVmNSpjJu?YanBIRgvrCj?2dz43gnydQJ4

-1-6-0	7-6-5	14-6-3	21-6-0	28-5-13	35-5-11	43-0-0
1-6-0	7-6-5	6-11-13	6-11-13	6-11-13	6-11-13	7-6-5

Scale = 1:74.3



7-6-5	14-6-3	21-6-0	28-5-13	35-5-11	43-0-0
7-6-5	6-11-13	6-11-13	6-11-13	6-11-13	7-6-5

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

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	0.73	Vert(LL)	-0.28	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.52	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.17	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 237 lb	FT = 20%

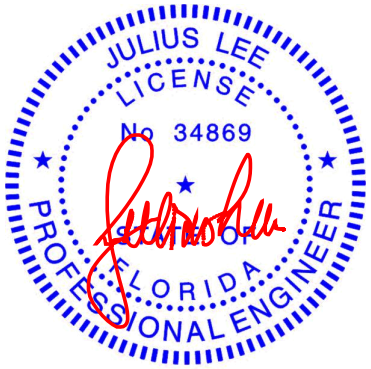
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-11, 4-11

REACTIONS. (size) 2=0-3-8, 8=0-4-3
Max Horz 2=209(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=2033(LC 17), 8=1949(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3697/111, 3-4=-3000/155, 4-5=-2267/196, 5-6=-2266/200, 6-7=-3005/163, 7-8=-3712/135
BOT CHORD 2-13=-39/3395, 12-13=-40/3390, 11-12=0/2708, 10-11=0/2578, 9-10=-48/3256, 8-9=-46/3262
WEBS 5-11=-39/1603, 6-11=-1007/96, 6-10=0/661, 7-10=-784/78, 7-9=0/300, 4-11=-1004/95, 4-12=0/656, 3-12=-769/58, 3-13=0/298

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 21-6-0, Exterior(2R) 21-6-0 to 25-9-10, Interior(1) 25-9-10 to 43-0-0 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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:

September 15,2021

MiTek
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Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A11	Common	1	1	T25355011
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:54:50 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-AZFJqe53IWdd?cOvtbWn6?kU03CfxAUCsdqcCDydQJ3

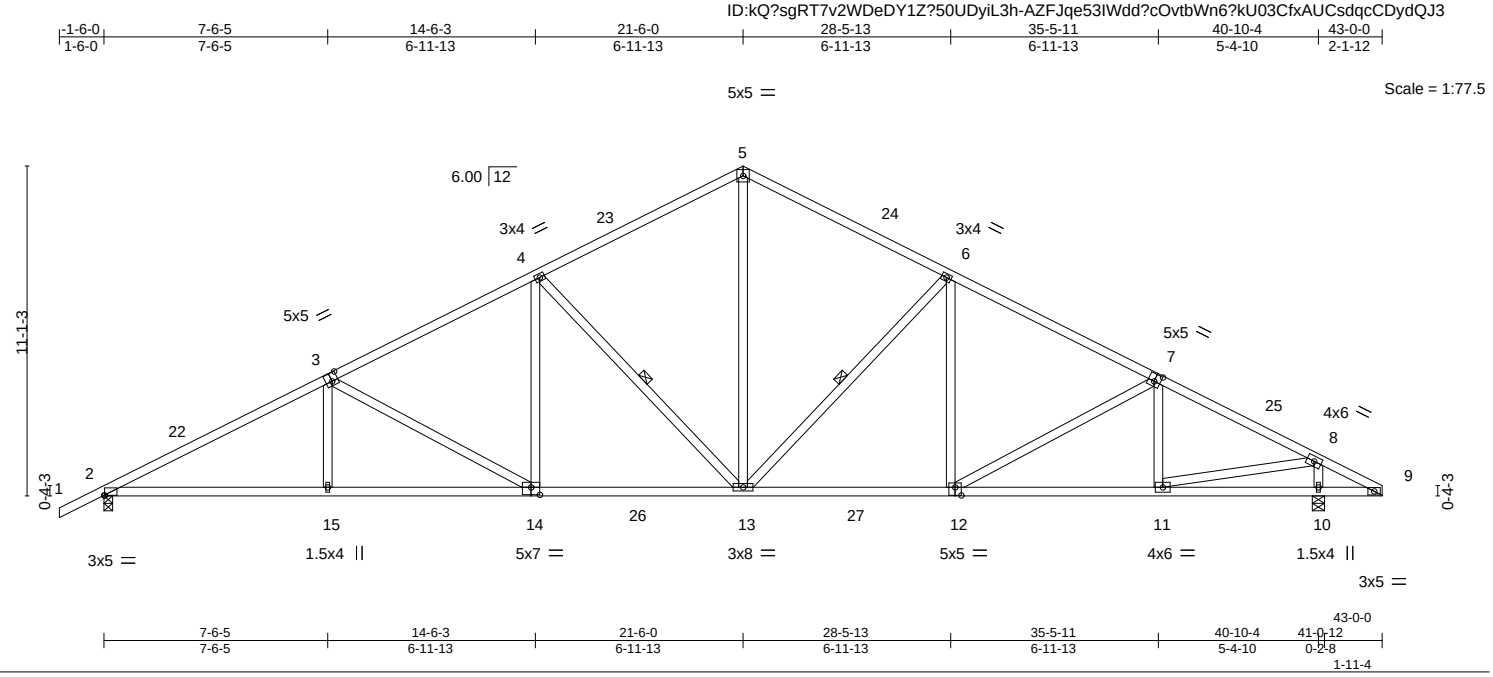


Plate Offsets (X,Y)-- [2:0-0-4,0-0-0], [3:0-2-8,0-3-4], [7:0-2-8,0-3-0], [12:0-2-8,0-3-4], [14:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.25	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.45	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.15	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 246 lb	FT = 20%

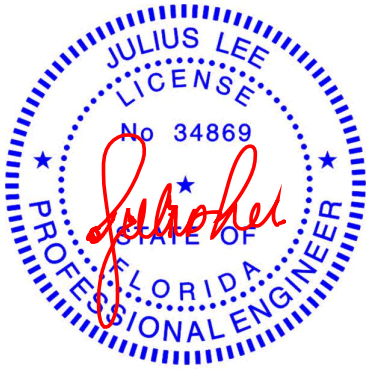
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 10=0-4-15
Max Horz 2=209(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1936(LC 17), 10=2023(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3483/101, 3-4=-2787/145, 4-5=-2040/186, 5-6=-2052/186, 6-7=-2554/135, 7-8=-2616/70
BOT CHORD 2-15=-26/3206, 14-15=-28/3200, 13-14=0/2517, 12-13=0/2207, 11-12=0/2274
WEBS 3-15=0/297, 3-14=-771/58, 4-14=0/658, 4-13=-1006/95, 5-13=-28/1413, 6-13=-738/84, 6-12=0/352, 7-11=-302/95, 8-11=-82/2273, 8-10=-1849/180

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 21-6-0, Exterior(2R) 21-6-0 to 25-9-10, Interior(1) 25-9-10 to 43-0-0 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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:

September 15,2021

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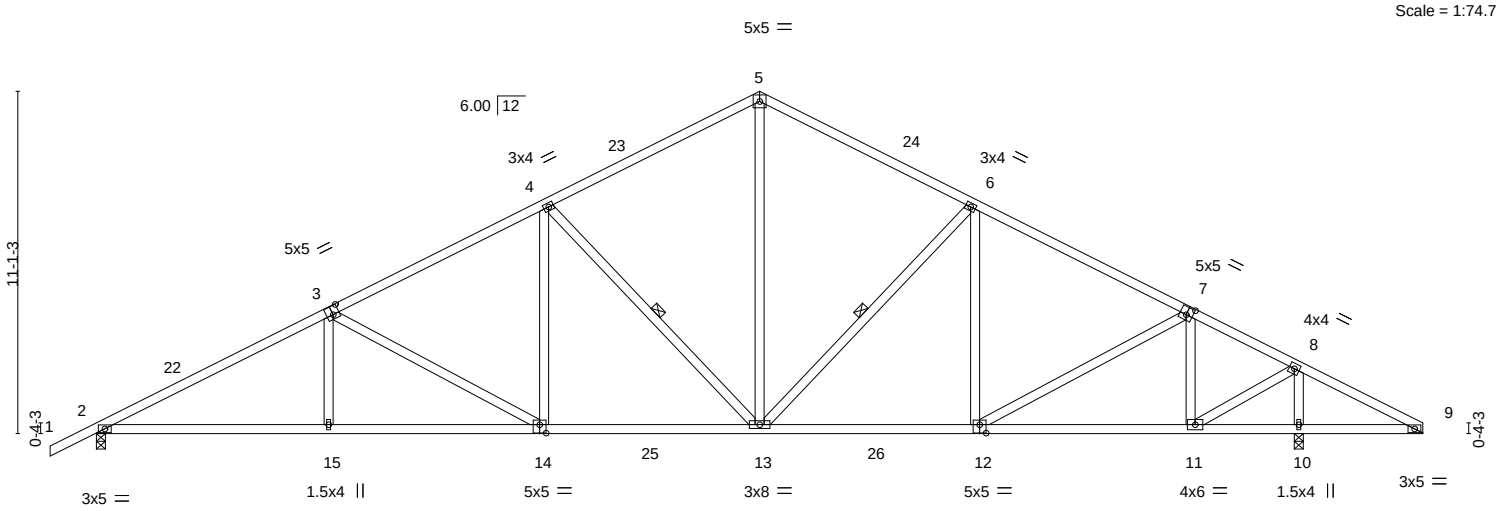
Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	A12	Common	1	1	T25355012
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:54:51 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-fmph2_6h3qlUdmz6QJ10fCHfJTYPgdhL5HZ9lfydQJ2

1-6-0	7-6-5	14-6-3	21-6-0	28-5-13	35-5-11	38-11-12	43-0-0
1-6-0	7-6-5	6-11-13	6-11-13	6-11-13	6-11-13	3-6-1	4-0-4

Scale = 1:74.7



7-6-5	14-6-3	21-6-0	28-5-13	35-5-11	38-11-12	39-1-8	43-0-0
7-6-5	6-11-13	6-11-13	6-11-13	6-11-13	3-6-1	0-1-12	3-10-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.21	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.38	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.12	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 245 lb	FT = 20%

LUMBER-

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

BRACING-

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

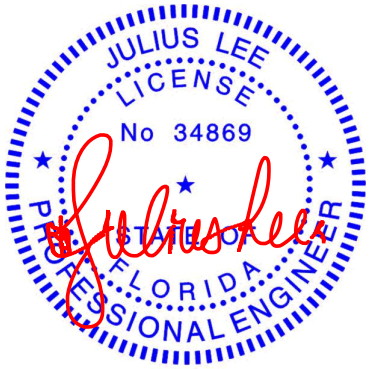
REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=209(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1843(LC 17), 10=2095(LC 18)

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

TOP CHORD	2-3=-3278/82, 3-4=-2580/125, 4-5=-1824/166, 5-6=-1844/162, 6-7=-2124/86, 7-8=-1576/35, 8-9=-216/346
BOT CHORD	2-15=-6/3023, 14-15=-7/3017, 13-14=0/2332, 12-13=0/1844, 11-12=0/1375, 10-11=-264/212, 9-10=-264/212
WEBS	3-15=0/297, 3-14=-773/58, 4-14=0/659, 4-13=-1007/95, 5-13=-11/1229, 6-13=-473/68, 7-12=-42/565, 7-11=-770/137, 8-11=-101/1862, 8-10=-1960/192

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 21-6-0, Exterior(2R) 21-6-0 to 25-9-10, Interior(1) 25-9-10 to 43-0-0 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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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Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	B1GE	Common Supported Gable	1	1	T25355013

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:16 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-Qaq8lXPNAVvx7cNvO3_uAUp3oYH808g1rg7_6iydQIf

-1-6-0 7-6-0 15-0-0 16-6-0
1-6-0 7-6-0 7-6-0 1-6-0

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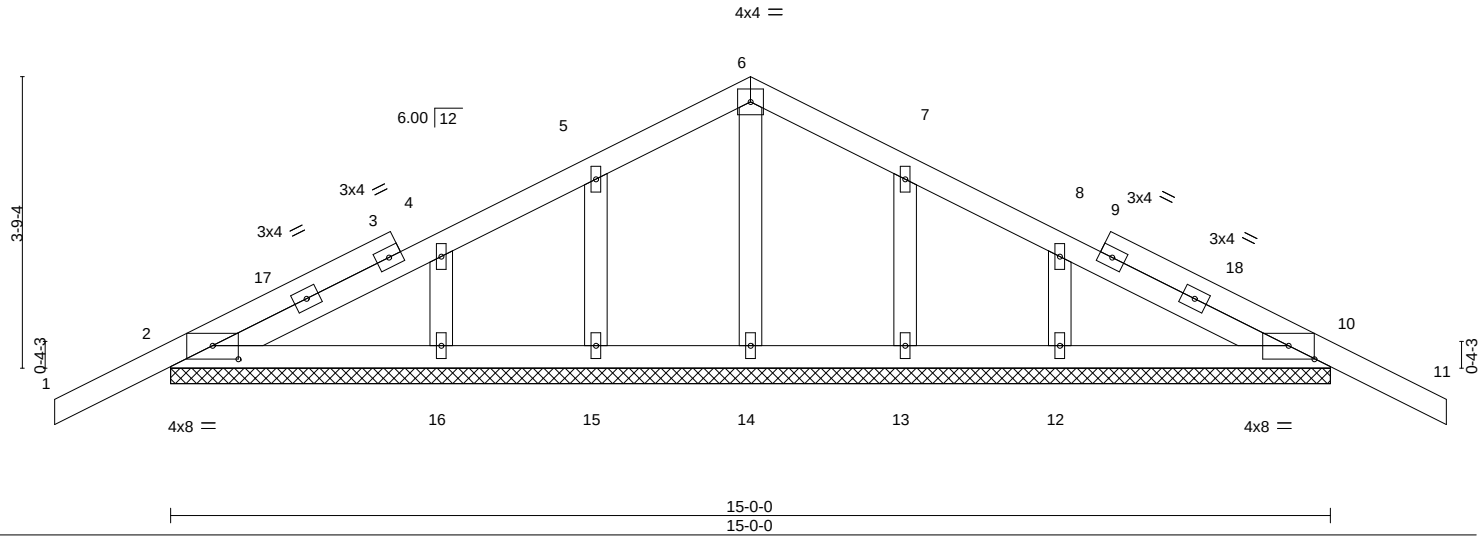


Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [10:0-4-0,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 75 lb	FT = 20%

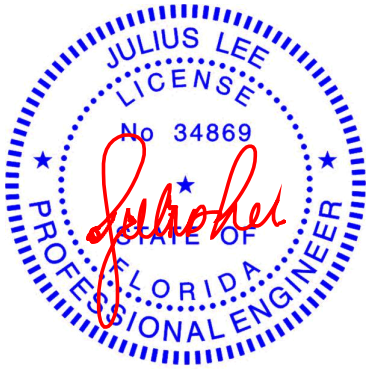
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 15-0-0.
(lb) - Max Horz 2=-69(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 13
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

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



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September 15,2021

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Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	B2	Common	2	1	T25355014
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:18 2021 Page 1
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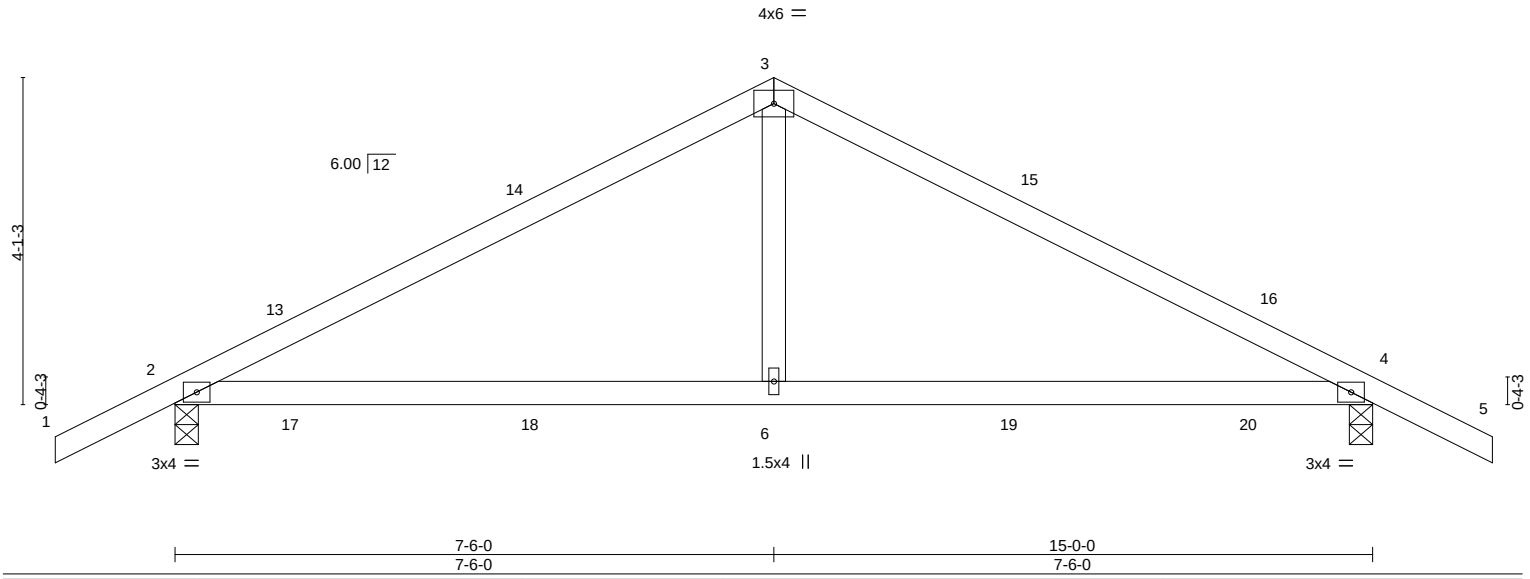


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	0.15	6-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.16	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 58 lb	FT = 20%

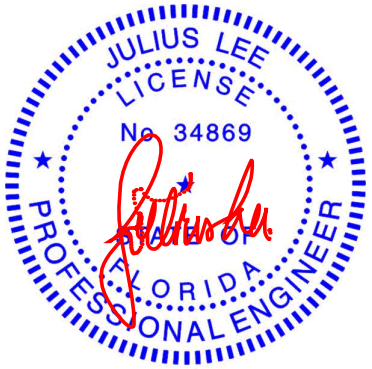
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=-74(LC 10)
Max Uplift 2=-166(LC 12), 4=-166(LC 12)
Max Grav 2=690(LC 1), 4=690(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-847/669, 3-4=-847/669
BOT CHORD 2-6=-487/683, 4-6=-487/683
WEBS 3-6=-357/341

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-6-0, Exterior(2R) 7-6-0 to 10-6-0, Interior(1) 10-6-0 to 16-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=166, 4=166.
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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Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	B3	Common	1	1	T25355015
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:19 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-q9VGwZRFTQHW_36U3BXbn6RSAmB0DUKTXeLej1ydQIc

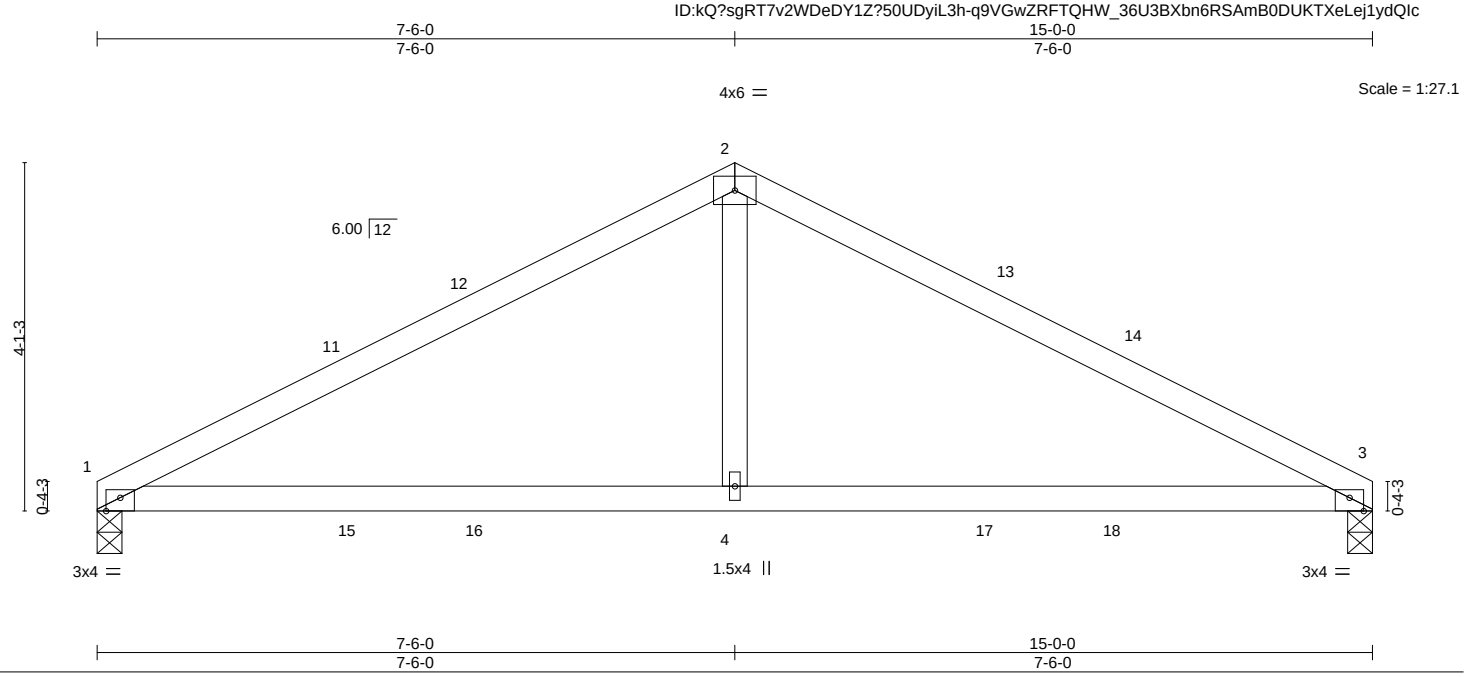


Plate Offsets (X,Y)-- [1:0-2-0,Edge], [3:0-2-0,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	0.16	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.18	4-7	>991	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 53 lb	FT = 20%

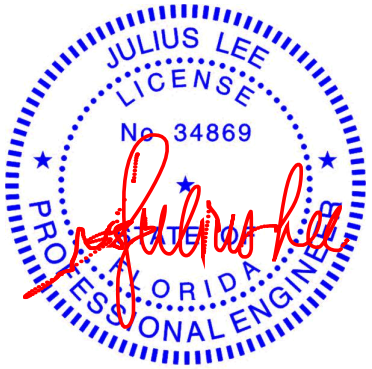
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 1=0-3-8, 3=0-3-8
Max Horz 1=-62(LC 10)
Max Uplift 1=-129(LC 12), 3=-129(LC 12)
Max Grav 1=600(LC 1), 3=600(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-854/692, 2-3=-854/692
BOT CHORD 1-4=-541/709, 3-4=-541/709
WEBS 2-4=-369/346

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-6-0, Exterior(2R) 7-6-0 to 10-6-0, Interior(1) 10-6-0 to 15-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=129, 3=129.
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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Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	CJ01	Diagonal Hip Girder	4	1	T25355016

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:20 2021 Page 1

ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-IL3f7vStEkPNbDhgdv2qKKzfg9VqyvMdmI5CFUydQIb

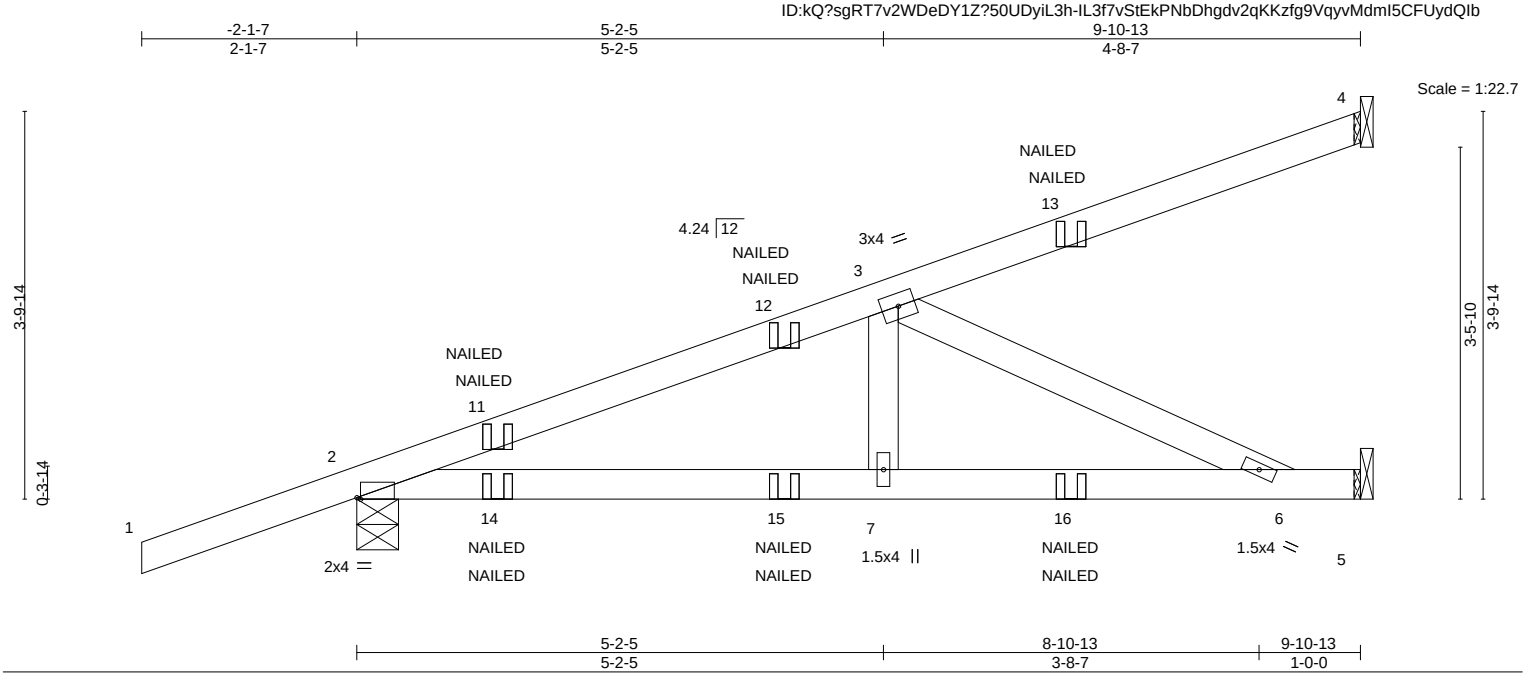


Plate Offsets (X,Y)-- [2:0-0-7,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.12	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 43 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 4=Mechanical, 2=0-4-15, 5=Mechanical
Max Horz 2=111(LC 8)
Max Uplift 4=-33(LC 8), 2=-124(LC 8), 5=-6(LC 8)
Max Grav 4=144(LC 1), 2=477(LC 1), 5=324(LC 1)

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

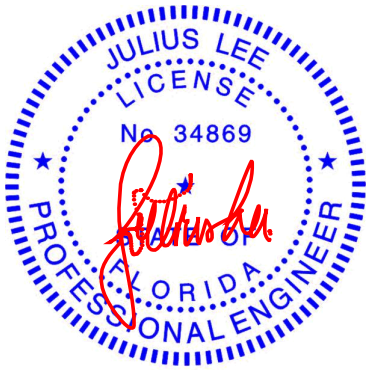
TOP CHORD	2-3=-748/59
BOT CHORD	2-7=-99/677, 6-7=-99/677
WEBS	3-7=0/295, 3-6=-746/109

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; 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) 4, 5 except (jt=lb) 2=124.
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: 1-4=-60, 5-8=-20
   Concentrated Loads (lb)
   Vert: 11=57(F=29, B=29) 13=-82(F=-41, B=-41) 14=61(F=31, B=31) 15=-7(F=-3, B=-3) 16=-59(F=-30, B=-30)



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Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	J1	Jack-Open	32	1	T25355017
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:21 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-mXd1LFTV?2XEDNGtBcZ3tXWoSZuihPFm_yqlnwydQIa

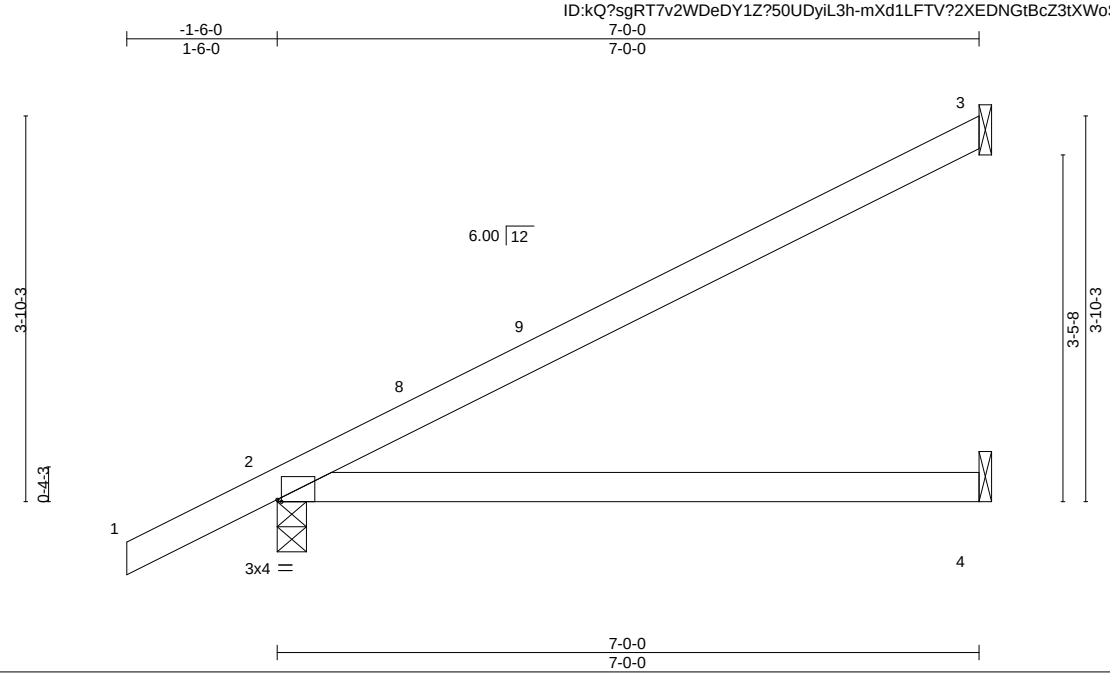


Plate Offsets (X,Y)-- [2:0-0-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.09	4-7	>969	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.21	4-7	>398	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-AS							Weight: 25 lb	FT = 20%

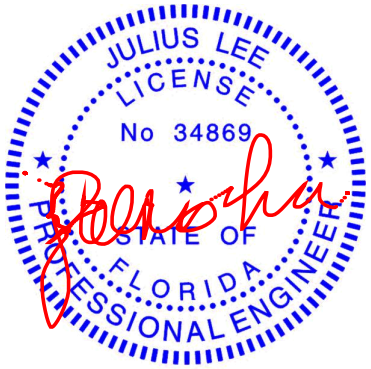
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=111(LC 12)
Max Uplift 3=-44(LC 12), 2=-21(LC 12)
Max Grav 3=185(LC 1), 2=377(LC 1), 4=124(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 6-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
September 15,2021

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Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	J2	Jack-Open	8	1	T25355018
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:22 2021 Page 1
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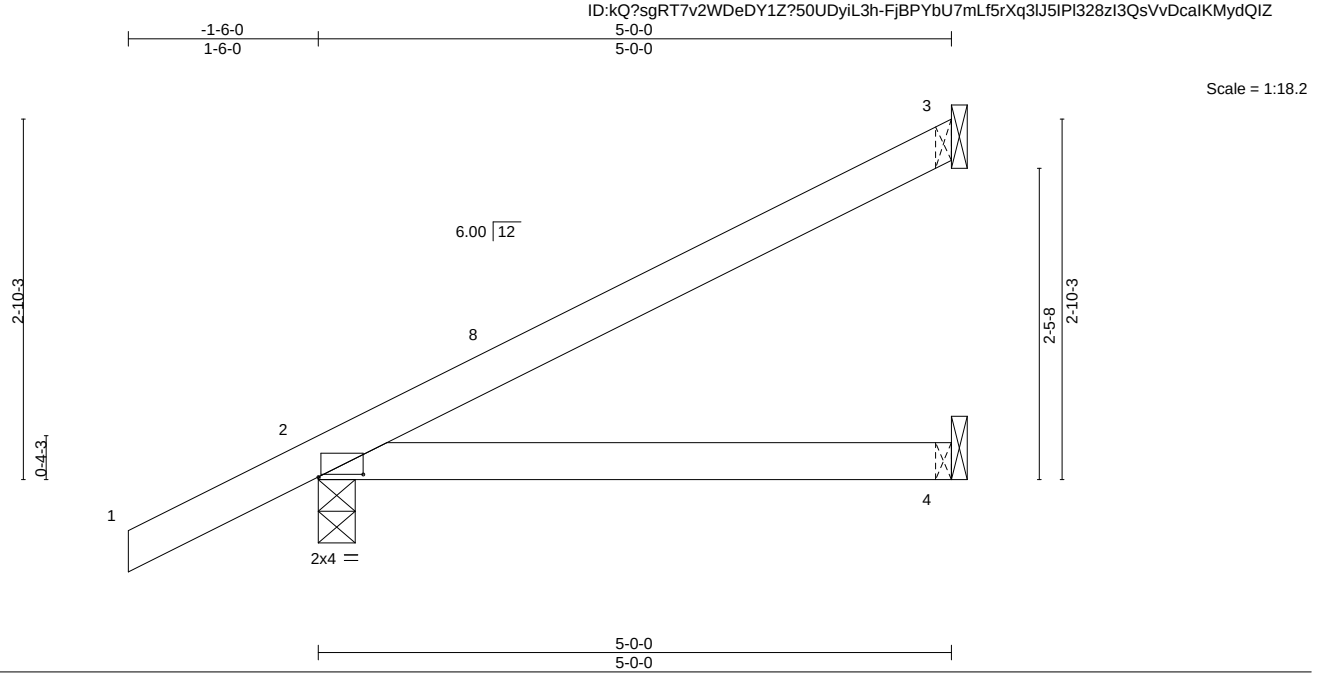


Plate Offsets (X,Y)-- [2:0-4-4,0-0-4]

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	0.28	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 18 lb	FT = 20%

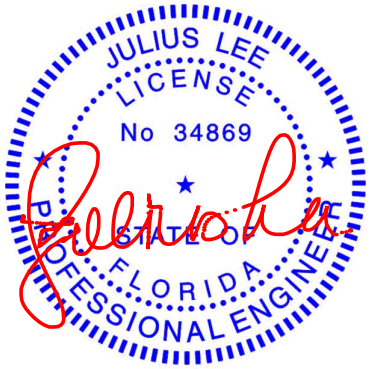
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=87(LC 12)
Max Uplift 3=-29(LC 12), 2=-29(LC 12)
Max Grav 3=126(LC 1), 2=301(LC 1), 4=88(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	J3	Jack-Open	8	1	T25355019
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:22 2021 Page 1
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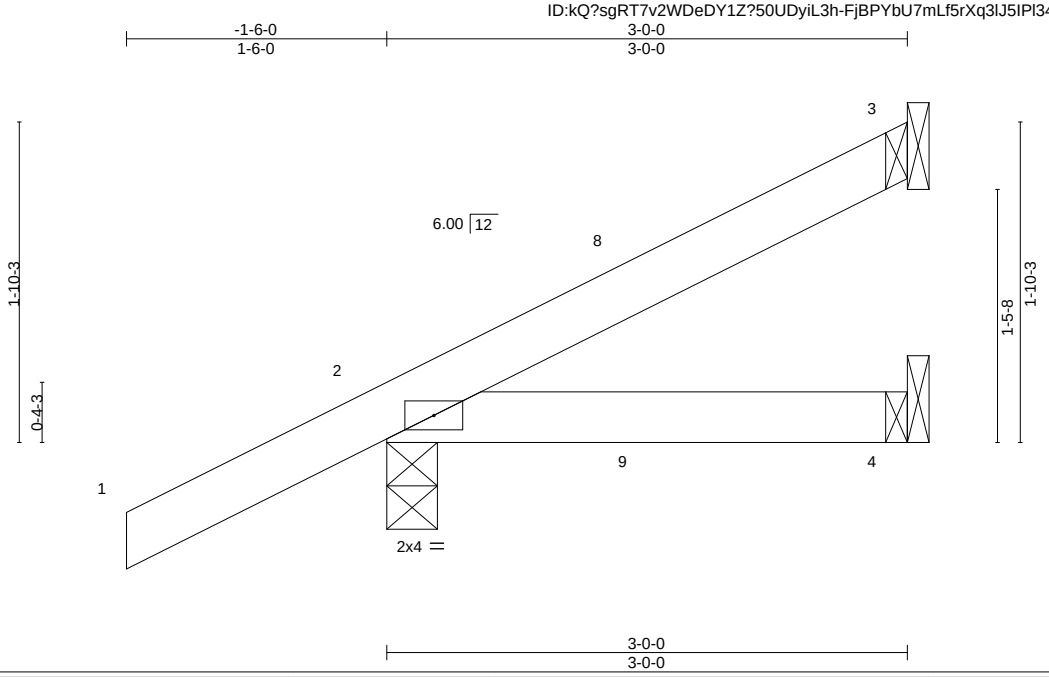


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014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

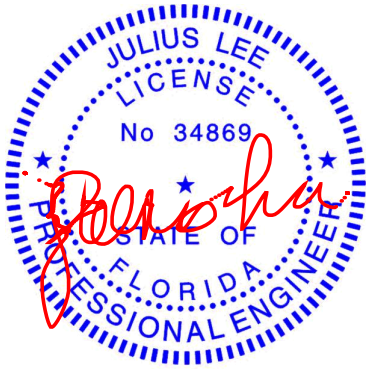
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=63(LC 12)
Max Uplift 3=-17(LC 12), 2=-66(LC 12), 4=-9(LC 9)
Max Grav 3=65(LC 1), 2=230(LC 1), 4=50(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) 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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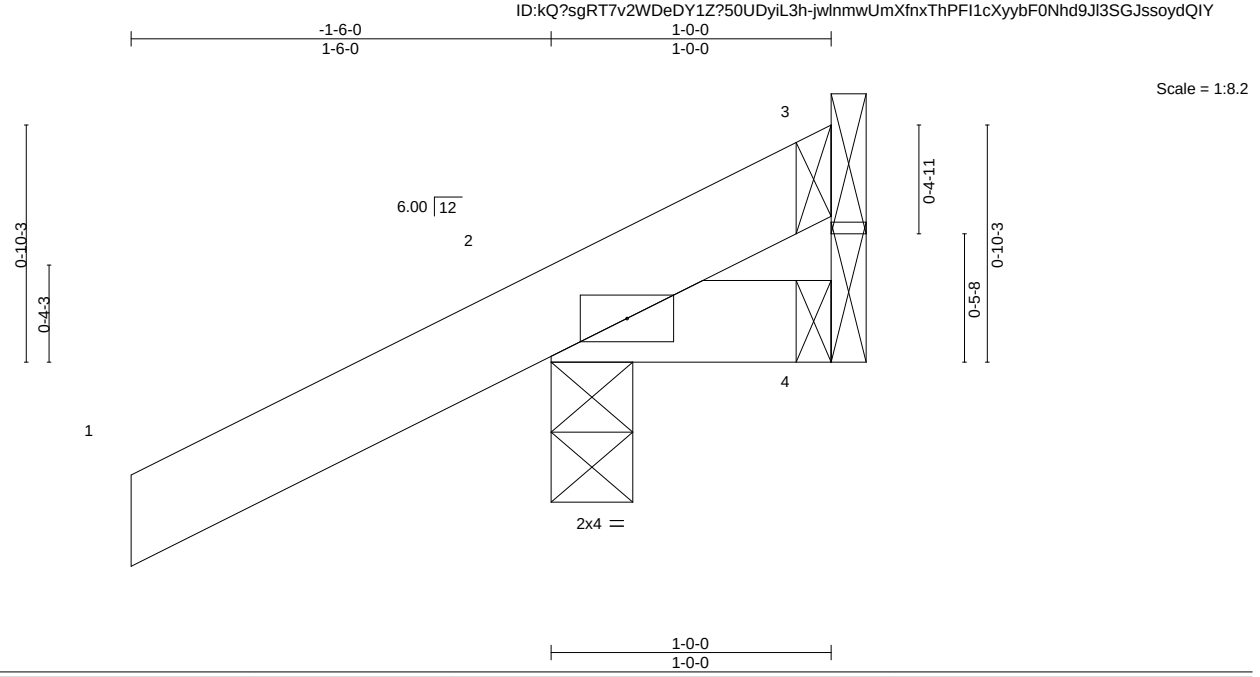
Job	Truss	Truss Type	Qty	Ply	Dale Residence
DALE_RESIDENCE	J4	Jack-Open	8	1	T25355020
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Sep 15 09:55:23 2021 Page 1
ID:kQ?sgRT7v2WDeDY1Z?50UDyiL3h-jwlnmwUmXfnxThPFI1cXyybF0Nhd9Jl3SGJssoydQIY



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

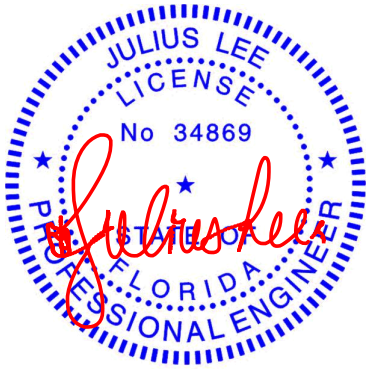
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=39(LC 12)
Max Uplift 3=-7(LC 1), 2=-71(LC 12), 4=-22(LC 1)
Max Grav 3=12(LC 12), 2=198(LC 1), 4=22(LC 12)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; 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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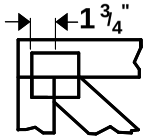
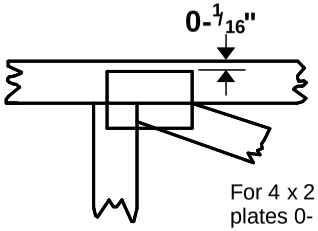
Symbols

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.

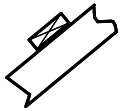
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

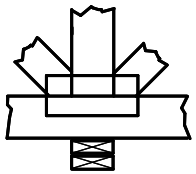
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

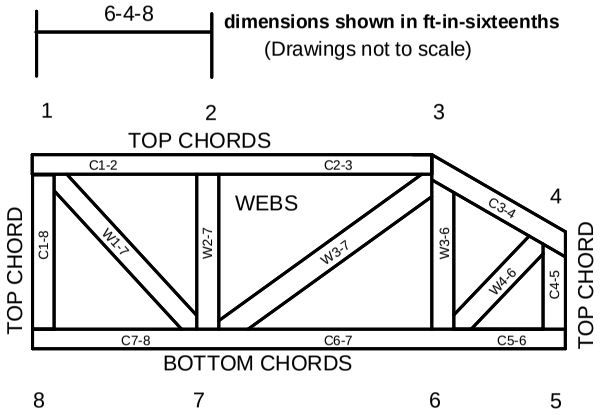


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.