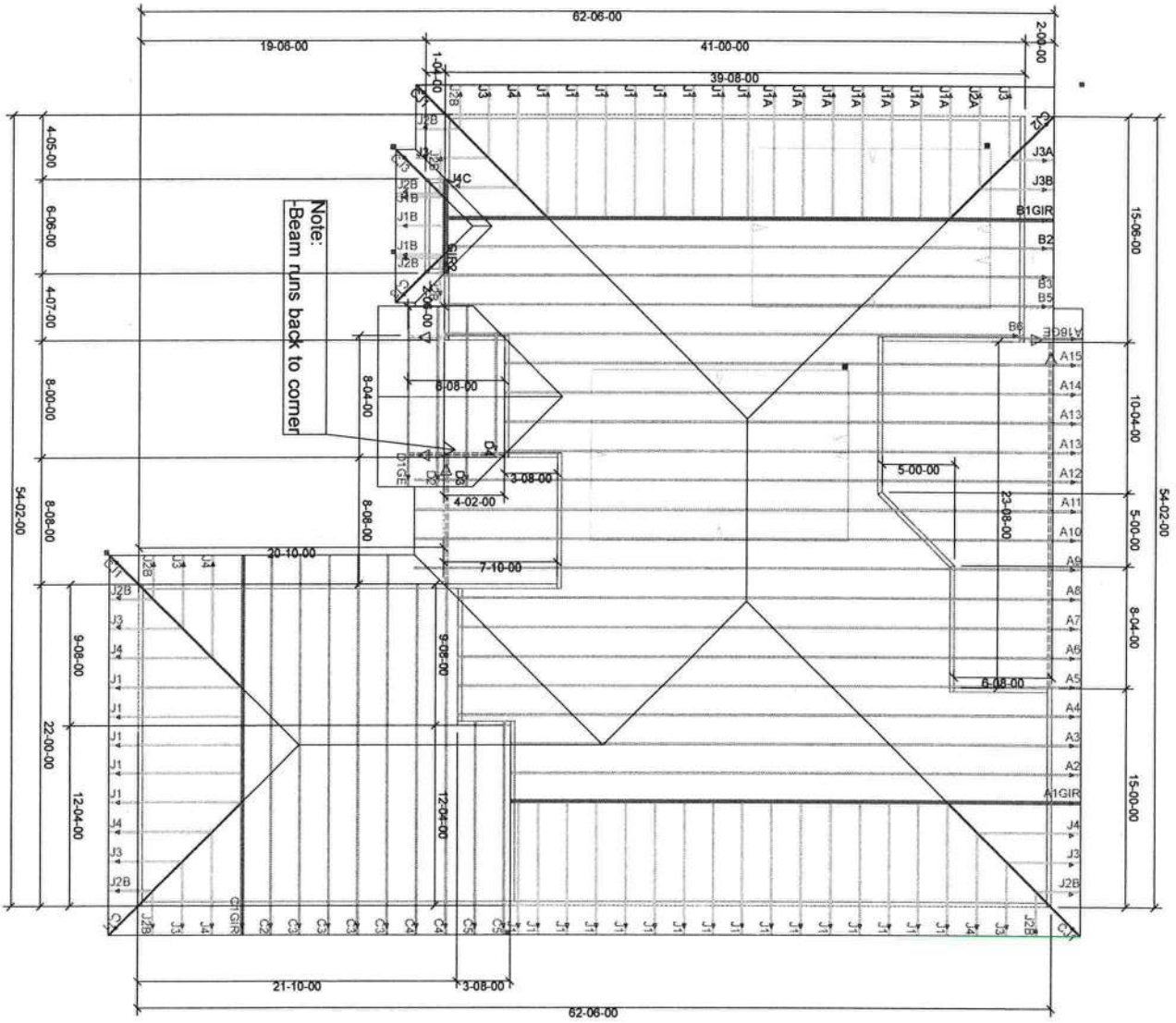
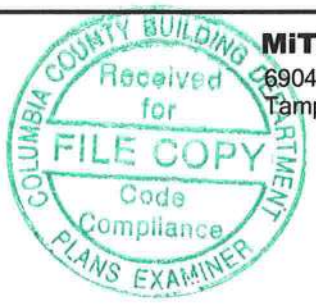
64



Ft. White Station lot 20	Roof Loading TC Live: 20.00 psf TC Dead: 10.00 psf BC Live: 0.00 psf BC Dead: 10.00 psf Spacing: 2.00 O.C.	Client: DWC Contracting Date: 4/27/2021 Quote Date: / / Seal Date: / / Designer: Jason Degroff Job Number: 0421-072	Mayo Truss Company Inc. Ph. (386) 294-3988 Fax (386) 294-3981 mayotruss@windstream.net

RE: FT. White Station Lot 20
FT. White Station Lot 20

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



Site Information:
Customer: DWC Project Name: FT. White Station Lot 20
Lot/Block: . Model: .
Address: . Subdivision: .
City: FT. White State: FL

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: N/A
Wind Speed: 130 mph
Roof Load: 40.0 psf
Floor Load: N/A psf

This package includes 44 individual, dated 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	T23698766	A1GIR	4/27/2021	21	T23698786	B6	4/27/2021
2	T23698767	A2	4/27/2021	22	T23698787	C1GIR	4/27/2021
3	T23698768	A3	4/27/2021	23	T23698788	C2	4/27/2021
4	T23698769	A4	4/27/2021	24	T23698789	C3	4/27/2021
5	T23698770	A5	4/27/2021	25	T23698790	C4	4/27/2021
6	T23698771	A6	4/27/2021	26	T23698791	C5	4/27/2021
7	T23698772	A7	4/27/2021	27	T23698792	CJ1	4/27/2021
8	T23698773	A8	4/27/2021	28	T23698793	CJ2	4/27/2021
9	T23698774	A9	4/27/2021	29	T23698794	CJ3	4/27/2021
10	T23698775	A10	4/27/2021	30	T23698795	D1GE	4/27/2021
11	T23698776	A11	4/27/2021	31	T23698796	D2	4/27/2021
12	T23698777	A12	4/27/2021	32	T23698797	D3	4/27/2021
13	T23698778	A13	4/27/2021	33	T23698798	D4	4/27/2021
14	T23698779	A14	4/27/2021	34	T23698799	GIR2	4/27/2021
15	T23698780	A15	4/27/2021	35	T23698800	J1	4/27/2021
16	T23698781	A16GE	4/27/2021	36	T23698801	J1A	4/27/2021
17	T23698782	B1GIR	4/27/2021	37	T23698802	J1B	4/27/2021
18	T23698783	B2	4/27/2021	38	T23698803	J2A	4/27/2021
19	T23698784	B3	4/27/2021	39	T23698804	J2B	4/27/2021
20	T23698785	B5	4/27/2021	40	T23698805	J3	4/27/2021

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: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2023.
Florida COA: 6634

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. Any project specific information included is for MiTek customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek 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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: April 27, 2021

Velez, Joaquin

RE: FT. White Station Lot 20 - FT. White Station Lot 20

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

Site Information:

Project Customer: DWC Project Name: FT. White Station Lot 20
Lot/Block: . Subdivision: .
Address: .
City, County: FT. White State: FL

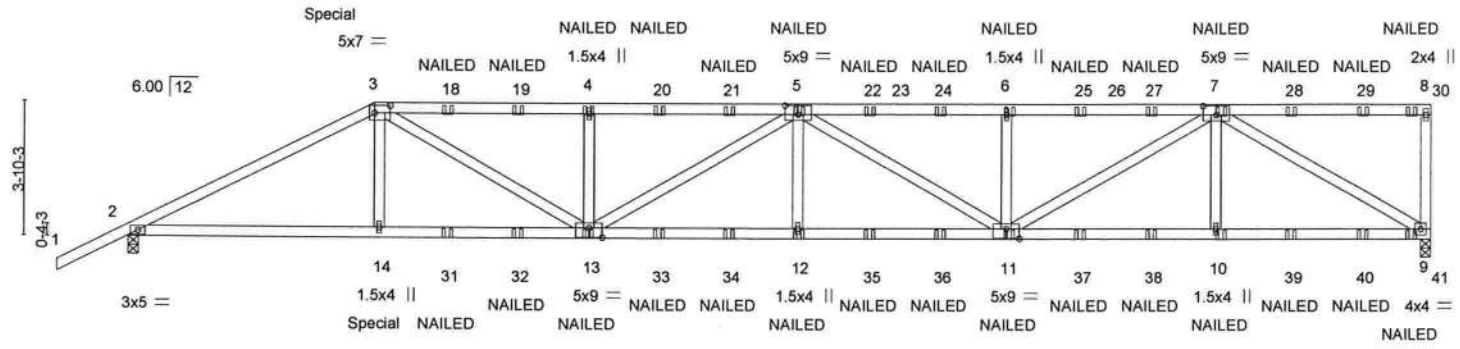
No.	Seal#	Truss Name	Date
41	T23698806	J3A	4/27/2021
42	T23698807	J3B	4/27/2021
43	T23698808	J4	4/27/2021
44	T23698809	J4C	4/27/2021

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	A1GIR	Half Hip Girder	1	2	T23698766
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:16 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXII-8Q?IRRsZZTVz8CPpT4EiPRnnEHPQ3sk_IAmdLIzNpqX

-2-0-0	7-0-0	13-1-1	19-0-6	24-11-10	30-10-15	37-0-0
2-0-0	7-0-0	6-1-1	5-11-5	5-11-5	5-11-5	6-1-1

Scale = 1:65.7



7-0-0	13-1-1	19-0-6	24-11-10	30-10-15	37-0-0
7-0-0	6-1-1	5-11-5	5-11-5	5-11-5	6-1-1

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

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	0.84	Vert(LL)	-0.31	12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.63	12-13	>699	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.17	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 385 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 3-5: 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except* 11-13: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=0-3-8, 2=0-3-8
Max Horz 2=120(LC 24)
Max Uplift 9=-15(LC 8), 2=-19(LC 8)
Max Grav 9=3277(LC 1), 2=3016(LC 1)

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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5885/0, 3-4=-7681/9, 4-5=-7681/9, 5-6=-7279/51, 6-7=-7279/51, 8-9=-400/89
BOT CHORD 2-14=0/5179, 13-14=0/5200, 12-13=0/8318, 11-12=0/8318, 10-11=-4/4585, 9-10=-4/4585
WEBS 3-14=0/663, 3-13=-65/2938, 4-13=-783/172, 5-13=-763/32, 5-12=0/484, 5-11=-1211/0, 6-11=-703/157, 7-11=0/3140, 7-10=0/524, 7-9=-5261/19

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=37ft; 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) 9, 2.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 227 lb down and 134 lb up at 7-0-0 on top chord, and 319 lb down at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 27,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	A1GIR	Half Hip Girder	1	2	T23698766 Job Reference (optional)

LOAD CASE(S) Standard

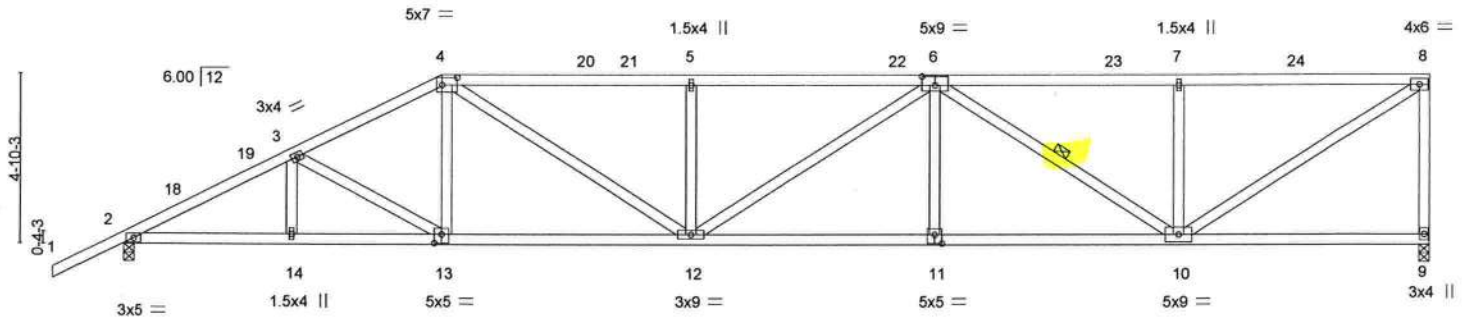
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-8=-60, 9-15=-20
   Concentrated Loads (lb)
   Vert: 3=-180(F) 14=-319(F) 13=-59(F) 4=-121(F) 5=-121(F) 12=-59(F) 11=-59(F) 6=-121(F) 7=-121(F) 10=-59(F) 18=-121(F) 19=-121(F) 20=-121(F) 21=-121(F) 22=-121(F) 24=-121(F) 25=-121(F) 27=-121(F) 28=-121(F) 29=-121(F) 30=-139(F) 31=-59(F) 32=-59(F) 33=-59(F) 34=-59(F) 35=-59(F) 36=-59(F) 37=-59(F) 38=-59(F) 39=-59(F) 40=-59(F) 41=-65(F)

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	A2	Half Hip	1	1	T23698767
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:18 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-4p7Ws6uq55lgNWZBaVGAUstBH55?Xt6HlUFkQBzNpqV

-2-0-0	4-9-4	9-0-0	16-0-14	23-0-0	29-11-2	37-0-0
2-0-0	4-9-4	4-2-12	7-0-14	6-11-2	6-11-2	7-0-14

Scale = 1:65.7



4-9-4	9-0-0	16-0-14	23-0-0	29-11-2	37-0-0
4-9-4	4-2-12	7-0-14	6-11-2	6-11-2	7-0-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.22	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.45	11-12	>973	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.13	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 204 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 9=0-3-8, 2=0-3-8
Max Horz 2=150(LC 11)
Max Uplift 2=-49(LC 12)
Max Grav 9=1471(LC 1), 2=1597(LC 1)

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

TOP CHORD	2-3=-2849/65, 3-4=-2540/93, 4-5=-2991/118, 5-6=-2991/118, 6-7=-1889/86, 7-8=-1889/86, 8-9=-1403/83
BOT CHORD	2-14=-202/2494, 13-14=-202/2494, 12-13=-152/2226, 11-12=-113/2849, 10-11=-113/2849
WEBS	3-13=-319/58, 4-13=0/366, 4-12=-19/994, 5-12=-449/107, 6-11=0/269, 6-10=-1148/37, 7-10=-446/106, 8-10=-61/2216

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=37ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-8-6, Interior(1) 1-8-6 to 9-0-0, Exterior(2R) 9-0-0 to 14-2-13, Interior(1) 14-2-13 to 36-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 27,2021

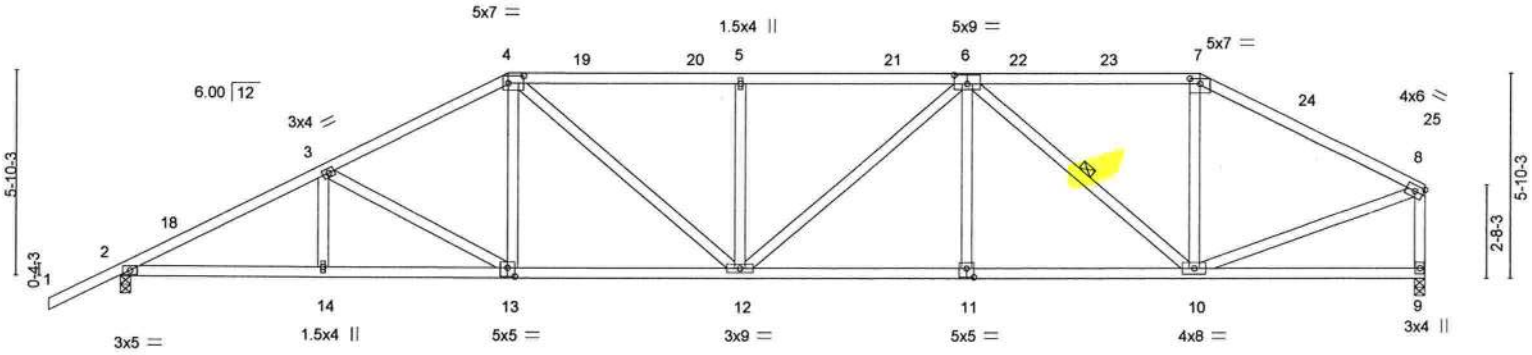
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	A3	Hip	1	1	T23698768
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:20 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-0BEGHov4di?OcqjaiwIeZHyZNupY?pRaDokrU3zNpqT

-2-0-0	5-9-4	11-0-0	17-7-4	24-0-12	30-8-0	37-0-0
2-0-0	5-9-4	5-2-12	6-7-4	6-5-8	6-7-4	6-4-0

Scale = 1:65.7



5-9-4	11-0-0	17-7-4	24-0-12	30-8-0	37-0-0
5-9-4	5-2-12	6-7-4	6-5-8	6-7-4	6-4-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-8], [6:0-4-8,0-3-0], [7:0-3-8,0-1-12], [11:0-2-8,0-3-0], [13:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.16	12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.33	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 210 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=143(LC 11)
Max Uplift 2=-50(LC 12)
Max Grav 2=1597(LC 1), 9=1471(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2825/101, 3-4=-2384/121, 4-5=-2480/136, 5-6=-2480/136, 6-7=-1423/115, 7-8=-1664/95, 8-9=-1409/95
BOT CHORD 2-14=-136/2467, 13-14=-136/2467, 12-13=-79/2067, 11-12=-79/2258, 10-11=-79/2258
WEBS 3-13=-462/65, 4-13=0/413, 4-12=-18/647, 5-12=-414/100, 6-12=-10/320, 6-11=0/252, 6-10=-1148/34, 7-10=0/410, 8-10=-31/1440

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=37ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-8-6, Interior(1) 1-8-6 to 11-0-0, Exterior(2R) 11-0-0 to 16-2-13, Interior(1) 16-2-13 to 30-8-0, Exterior(2R) 30-8-0 to 35-10-13, Interior(1) 35-10-13 to 36-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 27,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	A4	Hip	1	1	T23698769
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:22 2021 Page 1
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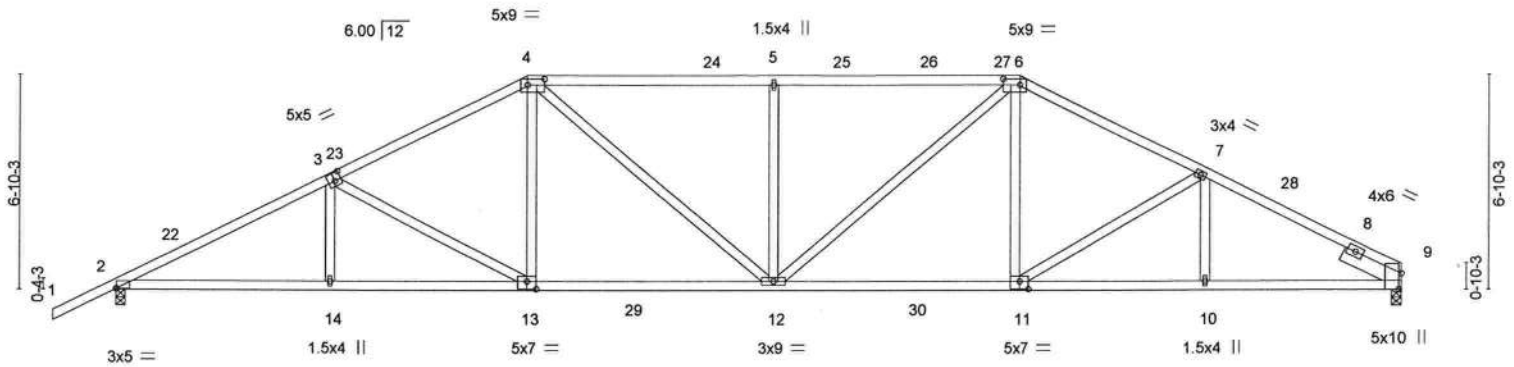
-2-0-0	6-9-4	13-0-0	20-10-0	28-8-0	34-6-4	40-8-0
2-0-0	6-9-4	6-2-12	7-10-0	7-10-0	5-10-4	6-1-12

Scale = 1:73.2



6-9-4	13-0-0	20-10-0	28-8-0	34-6-4	40-8-0
6-9-4	6-2-12	7-10-0	7-10-0	5-10-4	6-1-12

Plate Offsets (X,Y)-- [2:0-0-4,0-0-0], [3:0-2-8,0-3-0], [4:0-6-8,0-2-4], [6:0-6-8,0-2-4], [9:0-6-4,Edge], [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	0.91	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	>876	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.19	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 220 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 6-9: 2x4 SP No.1
BOT CHORD	2x4 SP No.2 *Except* 9-11: 2x4 SP No.1
WEBS	2x4 SP No.2
SLIDER	Right 2x6 SP No.2 -t 2-0-0

BRACING-

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

REACTIONS. (size) 9=0-3-8, 2=0-3-8
Max Horz 2=128(LC 11)
Max Uplift 2=-50(LC 12)
Max Grav 9=1838(LC 18), 2=1955(LC 17)

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

TOP CHORD	2-3=-3508/128, 3-4=-2889/151, 4-5=-2877/175, 5-6=-2877/175, 6-7=-2745/154, 7-9=-3032/128
BOT CHORD	2-14=-72/3157, 13-14=-74/3151, 12-13=-5/2566, 11-12=0/2392, 10-11=-55/2609, 9-10=-55/2609
WEBS	3-14=0/252, 3-13=-673/79, 4-13=0/623, 4-12=-22/609, 5-12=-522/121, 6-12=-21/716, 6-11=0/459, 7-11=-262/73

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=41ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-0-13, Interior(1) 2-0-13 to 13-0-0, Exterior(2R) 13-0-0 to 18-9-0, Interior(1) 18-9-0 to 28-8-0, Exterior(2R) 28-8-0 to 34-6-4, Interior(1) 34-6-4 to 40-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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:
April 27,2021

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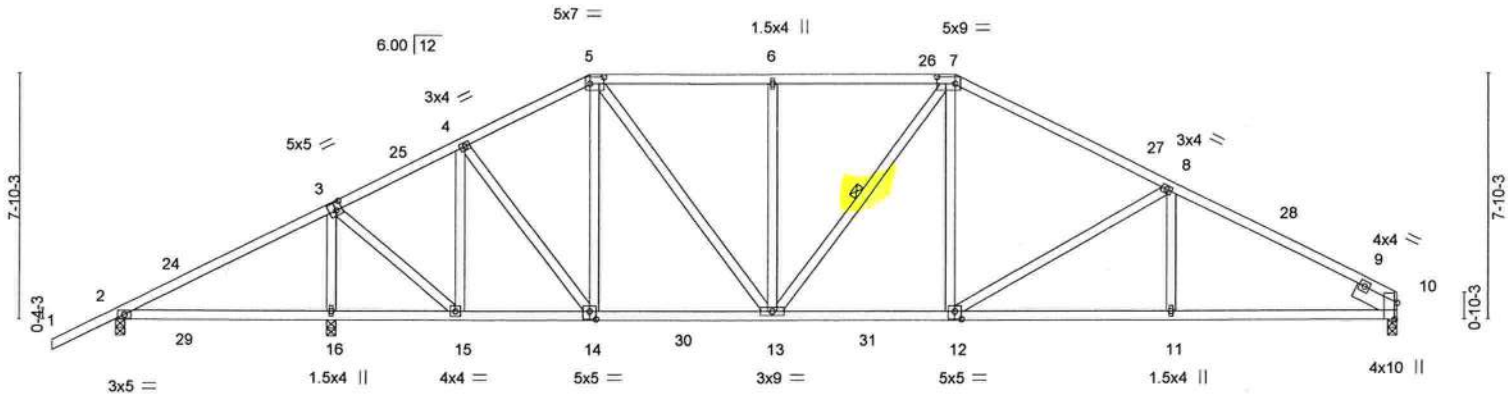
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	T23698770
FT. White Station Lot 20	A5	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:23 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-RmwPvqxyvdNzTHS9N2sLBvayd6o7C6T0vmzV5OzNpqQ

-2-0-0	6-9-12	10-10-14	15-0-0	20-10-0	26-8-0	33-6-4	40-8-0
2-0-0	6-9-12	4-1-2	4-1-2	5-10-0	5-10-0	6-10-4	7-1-12

Scale = 1:73.3



6-9-12	10-10-14	15-0-0	20-10-0	26-8-0	33-6-4	40-8-0
6-9-12	4-1-2	4-1-2	5-10-0	5-10-0	6-10-4	7-1-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.90	Vert(LL)	0.10	16-23	>836	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.30	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.08	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 240 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 10-12: 2x4 SP No.1
WEBS	2x4 SP No.2
SLIDER	Right 2x6 SP No.2 -t 1-6-0

BRACING-

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

REACTIONS. (size) 10=0-3-8, 2=0-3-8, 16=0-3-8
Max Horz 2=146(LC 11)
Max Uplift 10=-1(LC 12), 2=-123(LC 22), 16=-42(LC 12)
Max Grav 10=1473(LC 18), 2=141(LC 21), 16=2247(LC 17)

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

TOP CHORD	2-3=0/842, 3-4=-730/96, 4-5=-1186/137, 5-6=-1509/157, 6-7=-1509/157, 7-8=-1849/144, 8-10=-2356/112
BOT CHORD	2-16=-696/11, 15-16=-651/9, 14-15=0/648, 13-14=0/1062, 12-13=0/1545, 11-12=-37/2015, 10-11=-37/2015
WEBS	3-16=-2038/86, 3-15=0/1579, 4-15=-948/52, 4-14=0/736, 5-14=-407/50, 5-13=-28/804, 6-13=-383/93, 7-12=0/561, 8-12=-547/80

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=41ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-0-13, Interior(1) 2-0-13 to 15-0-0, Exterior(2R) 15-0-0 to 20-10-0, Interior(1) 20-10-0 to 26-8-0, Exterior(2R) 26-8-0 to 32-5-0, Interior(1) 32-5-0 to 40-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 16 except (jt=lb) 2=123.
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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April 27,2021

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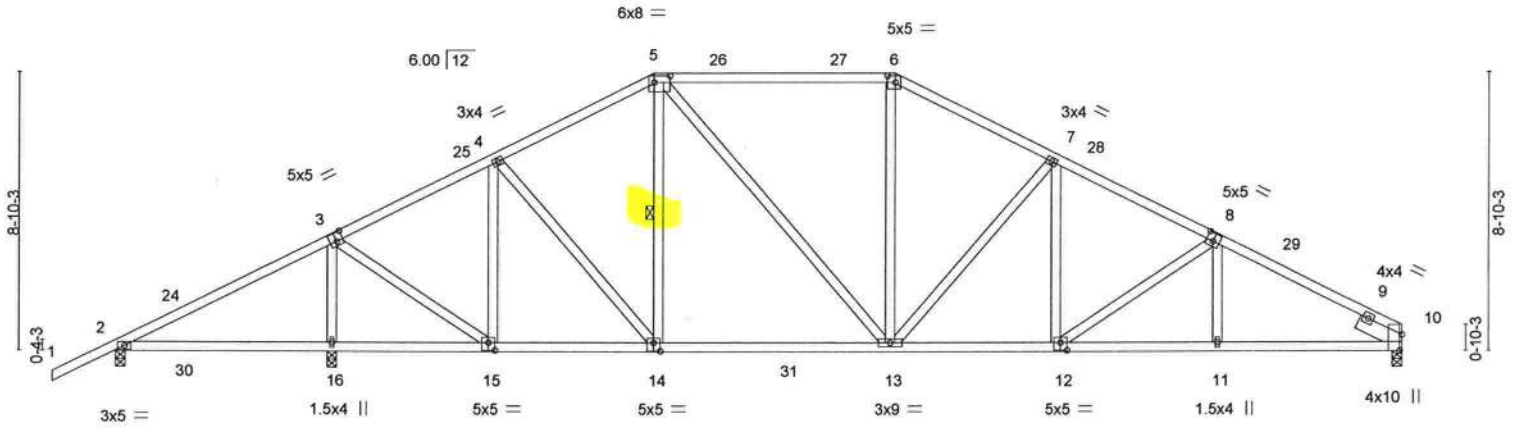
Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	T23698771
FT. White Station Lot 20	A6	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:26 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-rLcXXs_rCYIYLIAk2BP2pYCTIJmqPSJSbjB9ijzNpqN

-2-0-0	6-9-12	11-10-14	17-0-0	24-8-0	29-9-2	34-10-4	40-8-0
2-0-0	6-9-12	5-1-2	5-1-2	7-8-0	5-1-2	5-1-2	5-9-12

Scale = 1:73.1



6-9-12	11-10-14	17-0-0	24-8-0	29-9-2	34-10-4	40-8-0
6-9-12	5-1-2	5-1-2	7-8-0	5-1-2	5-1-2	5-9-12

Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [5:0-6-0,0-2-8], [6:0-3-0,0-2-8], [8:0-2-8,0-3-0], [10:0-6-4,Edge], [12:0-2-8,0-3-0], [14:0-2-8,0-3-4], [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	0.91	Vert(LL)	0.10	16-19	>810	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.31	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.08	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
SLIDER	Right 2x6 SP No.2 -t 1-6-0

BRACING-

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

REACTIONS. (size) 2=0-3-8, 16=0-3-8, 10=0-3-8
Max Horz 2=164(LC 11)
Max Uplift 2=-123(LC 12), 16=-42(LC 12), 10=-1(LC 12)
Max Grav 2=169(LC 21), 16=2223(LC 17), 10=1464(LC 18)

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

TOP CHORD	2-3=0/812, 3-4=-895/104, 4-5=-1289/152, 5-6=-1418/170, 6-7=-1626/161, 7-8=-2045/137, 8-10=-2332/108
BOT CHORD	2-16=-670/4, 15-16=-627/2, 14-15=0/820, 13-14=0/1143, 12-13=-7/1762, 11-12=-38/1990, 10-11=-37/1992
WEBS	3-16=-2007/100, 3-15=0/1604, 4-15=-809/62, 4-14=0/572, 5-13=-21/482, 6-13=0/366, 7-13=-623/77, 7-12=0/344, 8-12=-270/56

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=41ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-0-13, Interior(1) 2-0-13 to 17-0-0, Exterior(2R) 17-0-0 to 22-9-0, Interior(1) 22-9-0 to 24-8-0, Exterior(2R) 24-8-0 to 30-5-0, Interior(1) 30-5-0 to 40-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 10 except (jt=lb) 2=123.
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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April 27,2021

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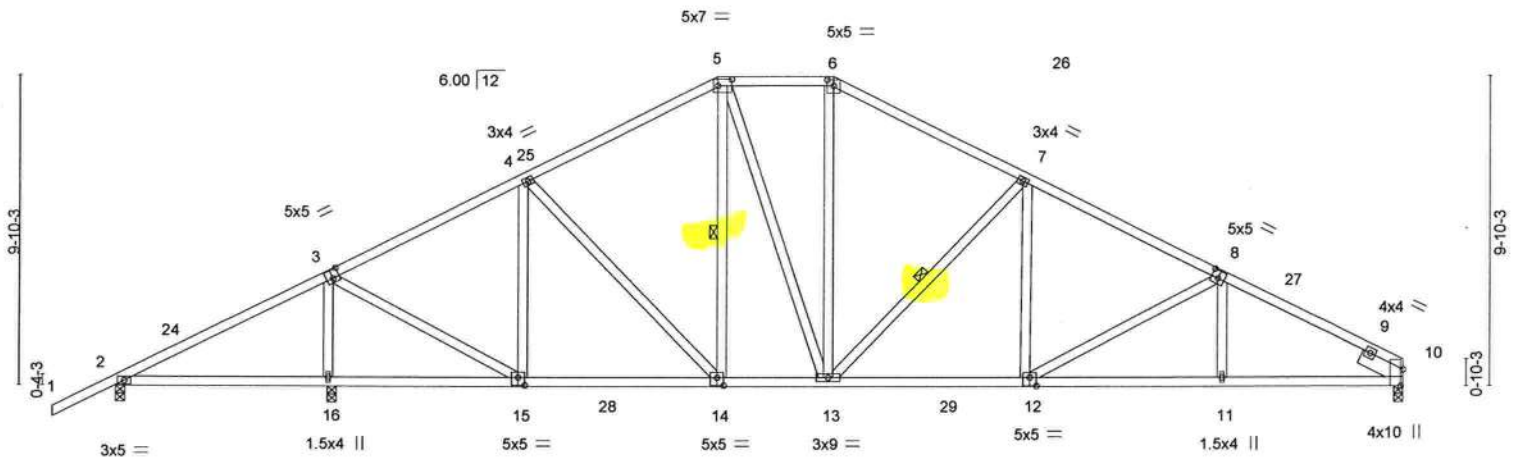
Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	T23698772
FT. White Station Lot 20	A7	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:29 2021 Page 1

ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-FwHgAt0jVT76CCvJkJzIQAq_5WrAcsVuHhQpJ2zNpqK

-2-0-0	6-8-5	12-10-3	19-0-0	22-8-0	28-9-13	34-11-11	40-8-0
2-0-0	6-8-5	6-1-13	6-1-13	3-8-0	6-1-13	6-1-13	5-8-5

Scale = 1:73.1



6-9-12	12-10-3	19-0-0	22-8-0	28-9-2	34-10-4	40-8-0
6-9-12	6-0-7	6-1-13	3-8-0	6-1-2	6-1-2	5-9-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.90	Vert(LL)	-0.14	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.27	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.08	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 250 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 10-12: 2x4 SP No.1
WEBS	2x4 SP No.2
SLIDER	Right 2x6 SP No.2 -t 1-6-0

BRACING-

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

REACTIONS. (size) 2=0-3-8, 16=0-3-8, 10=0-3-8
Max Horz 2=183(LC 11)
Max Uplift 2=-78(LC 22)
Max Grav 2=187(LC 21), 16=2260(LC 17), 10=1483(LC 18)

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

TOP CHORD	2-3=-19/778, 3-4=-1109/106, 4-5=-1330/161, 5-6=-1254/173, 6-7=-1464/165, 7-8=-2044/129, 8-10=-2376/102
BOT CHORD	2-16=-631/48, 15-16=-588/45, 14-15=0/1004, 13-14=0/1149, 12-13=0/1756, 11-12=-35/2032, 10-11=-33/2034
WEBS	3-16=-2001/121, 3-15=-6/1672, 4-15=-628/81, 4-14=0/318, 5-13=-25/409, 6-13=-3/398, 7-13=-824/83, 7-12=0/452, 8-12=-312/61

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=41ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-0-13, Interior(1) 2-0-13 to 19-0-0, Exterior(2E) 19-0-0 to 22-8-0, Exterior(2R) 22-8-0 to 28-5-0, Interior(1) 28-5-0 to 40-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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:
April 27,2021

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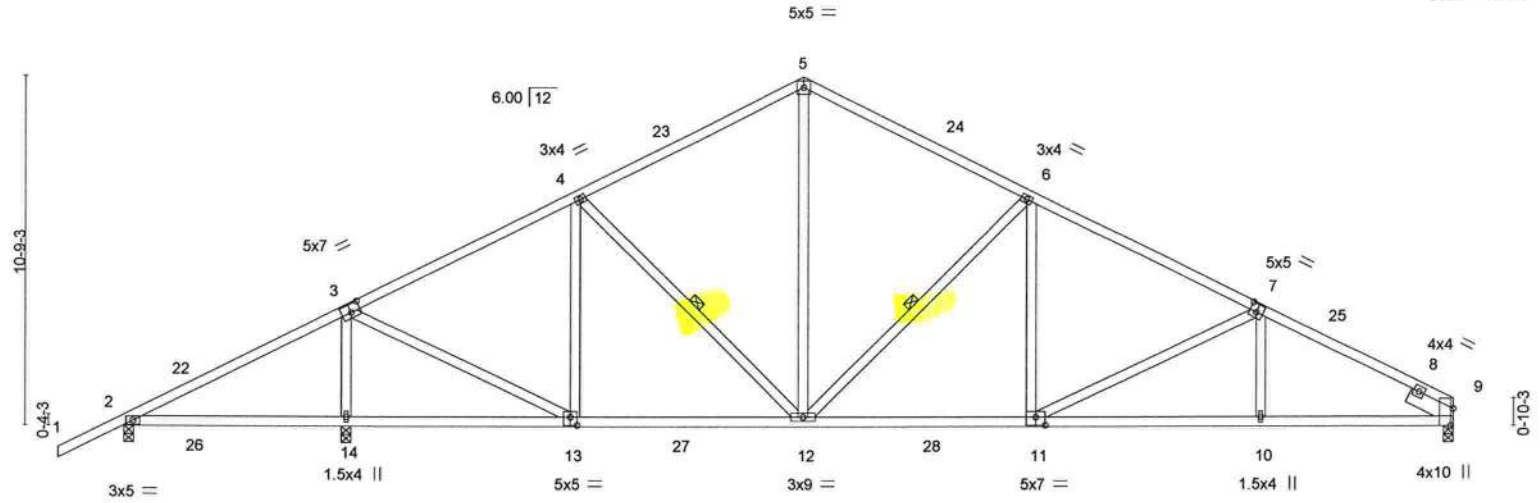
Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	A8	Common	1	1	T23698773
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:33 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-8hXB?F3EZieYgqD4z91hb0_gp8BxYgIUCJO1SpzNpqG

-2-0-0	6-9-12	13-9-14	20-10-0	27-10-2	34-10-4	40-8-0
2-0-0	6-9-12	7-0-2	7-0-2	7-0-2	7-0-2	5-9-12

Scale = 1:70.9



6-9-12	13-9-14	20-10-0	27-10-2	34-10-4	40-8-0
6-9-12	7-0-2	7-0-2	7-0-2	7-0-2	5-9-12

Plate Offsets (X,Y)-- [3:0-3-8,0-3-0], [7:0-2-8,0-3-0], [9:0-6-4,Edge], [11:0-3-8,0-3-0], [13:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.92	Vert(LL)	0.11	14-17	>776	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.31	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 230 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 9-11: 2x4 SP No.1
WEBS	2x4 SP No.2
SLIDER	Right 2x6 SP No.2 -t 1-6-0

BRACING-

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

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 9=0-3-8
Max Horz 2=199(LC 11)
Max Uplift 2=-118(LC 12), 14=-48(LC 12)
Max Grav 2=199(LC 21), 14=2243(LC 17), 9=1480(LC 18)

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

TOP CHORD	2-3=0/809, 3-4=-1196/110, 4-5=-1333/171, 5-6=-1315/173, 6-7=-1976/132, 7-9=-2383/103
BOT CHORD	2-14=-666/10, 13-14=-622/8, 12-13=0/1075, 11-12=0/1681, 10-11=-36/2040, 9-10=-34/2043
WEBS	3-14=-2016/113, 3-13=0/1728, 4-13=-557/85, 5-12=-15/780, 6-12=-909/90, 6-11=0/494, 7-11=-392/67

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=41ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-0-13, Interior(1) 2-0-13 to 20-10-0, Exterior(2R) 20-10-0 to 24-10-13, Interior(1) 24-10-13 to 40-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) 14 except (jt=lb) 2=118.
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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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 27,2021

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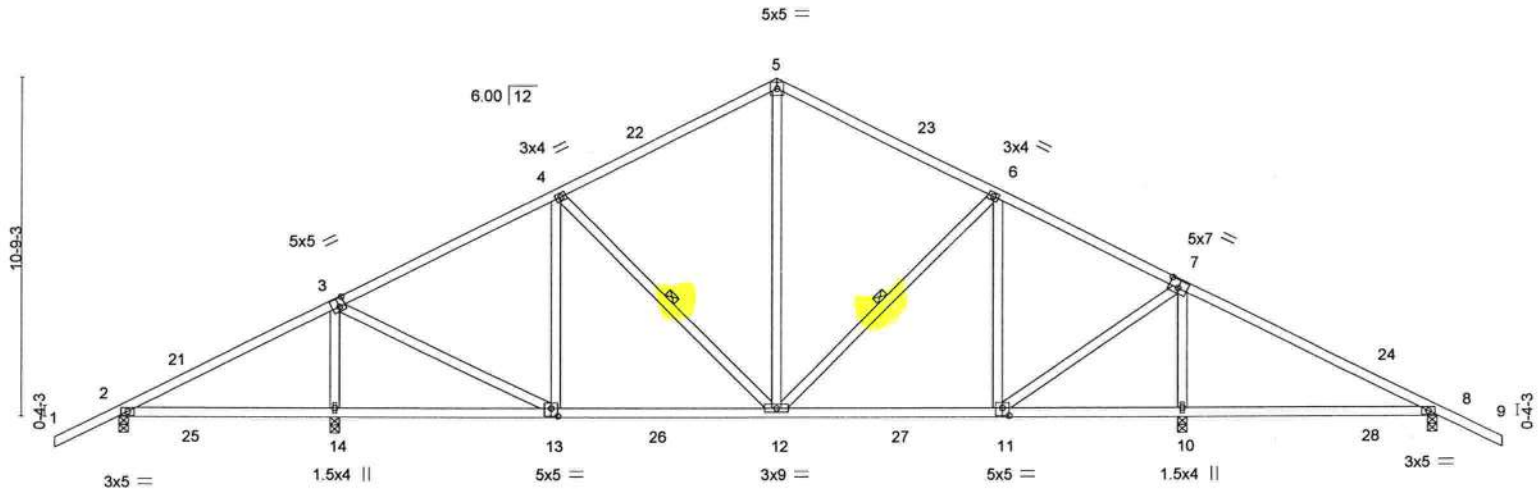
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	T23698774
FT. White Station Lot 20	A9	Common	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:36 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-YGCJeG56rd07XHxfeHbODecHrLH2I1GwuHch28zNpqD

-2-0-0	6-9-12	13-9-14	20-10-0	27-10-2	33-8-4	41-8-0	43-8-0
2-0-0	6-9-12	7-0-2	7-0-2	7-0-2	5-10-2	7-11-12	2-0-0

Scale = 1:73.2



6-9-12	13-9-14	20-10-0	27-10-2	33-8-4	41-8-0
6-9-12	7-0-2	7-0-2	7-0-2	5-10-2	7-11-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	0.19	10-20	>496	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.23	10-20	>417	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 233 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 4-12, 6-12

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-211(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 14, 10 except 2=-128(LC 12), 8=-138(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=343(LC 21), 14=1626(LC 17), 10=1629(LC 18), 8=398(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-73/274, 3-4=-1045/115, 4-5=-935/170, 5-6=-910/172, 6-7=-909/123
BOT CHORD 12-13=0/952, 11-12=0/750
WEBS 3-14=-1404/89, 3-13=0/1061, 4-13=-276/74, 5-12=-11/404, 6-11=-381/61, 7-11=0/989, 7-10=-1404/66

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=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-2-0, Interior(1) 2-2-0 to 20-10-0, Exterior(2R) 20-10-0 to 25-0-0, Interior(1) 25-0-0 to 43-8-0 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 10 except (jt=lb) 2=128, 8=138.
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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6904 Parke East Blvd. Tampa FL 33610
Date:
April 27,2021

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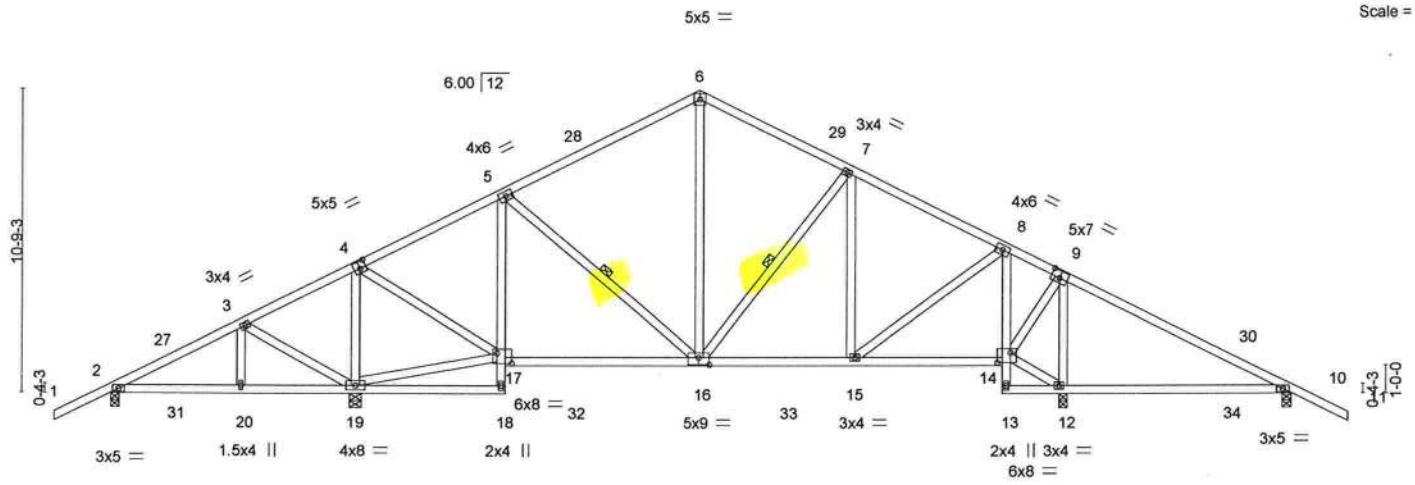
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	T23698775
FT. White Station Lot 20	A10	Roof Special	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:36:58 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-fzvyfHeHoxDW_R1LPlvUge2mG1Kwrr9K9NPgjLzNpqp

-2-0-0	4-7-2	8-7-12	13-11-8	20-10-0	26-2-4	31-6-8	33-8-4	41-8-0	43-8-0
2-0-0	4-7-2	4-0-10	5-3-12	6-10-8	5-4-4	5-4-4	2-1-12	7-11-12	2-0-0

Scale = 1:81.7



4-7-2	8-7-12	13-11-8	20-10-0	26-2-4	31-6-8	33-8-4	41-8-0
4-7-2	4-0-10	5-3-12	6-10-8	5-4-4	5-4-4	2-1-12	7-11-12

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [9:0-3-8,0-3-0], [14:0-5-8,0-4-4], [16:0-4-8,0-3-0], [17:0-6-4,0-4-4]

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	0.62	Vert(LL)	0.16	12-26	>595	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.20	12-26	>467	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 259 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-16, 7-16

REACTIONS. All bearings 0-3-8 except (jt=length) 19=0-4-15.
(lb) - Max Horz 2=-211(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 19, 12 except 2=-131(LC 12), 10=-143(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=317(LC 21), 10=326(LC 22), 19=1737(LC 17), 12=1607(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-36/553, 4-5=-714/56, 5-6=-795/133, 6-7=-753/140, 7-8=-851/104, 8-9=-309/92, 9-10=0/374
BOT CHORD 5-17=-432/109, 16-17=0/694, 15-16=0/716, 8-14=-648/0
WEBS 3-19=-391/279, 4-19=-1340/74, 17-19=-333/146, 4-17=0/1098, 6-16=-9/337, 8-15=0/611, 9-14=0/704, 9-12=-1228/0

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=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-2-0, Interior(1) 2-2-0 to 20-10-0, Exterior(2R) 20-10-0 to 25-0-0, Interior(1) 25-0-0 to 43-8-0 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 12 except (jt=lb) 2=131, 10=143.
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:
April 27,2021

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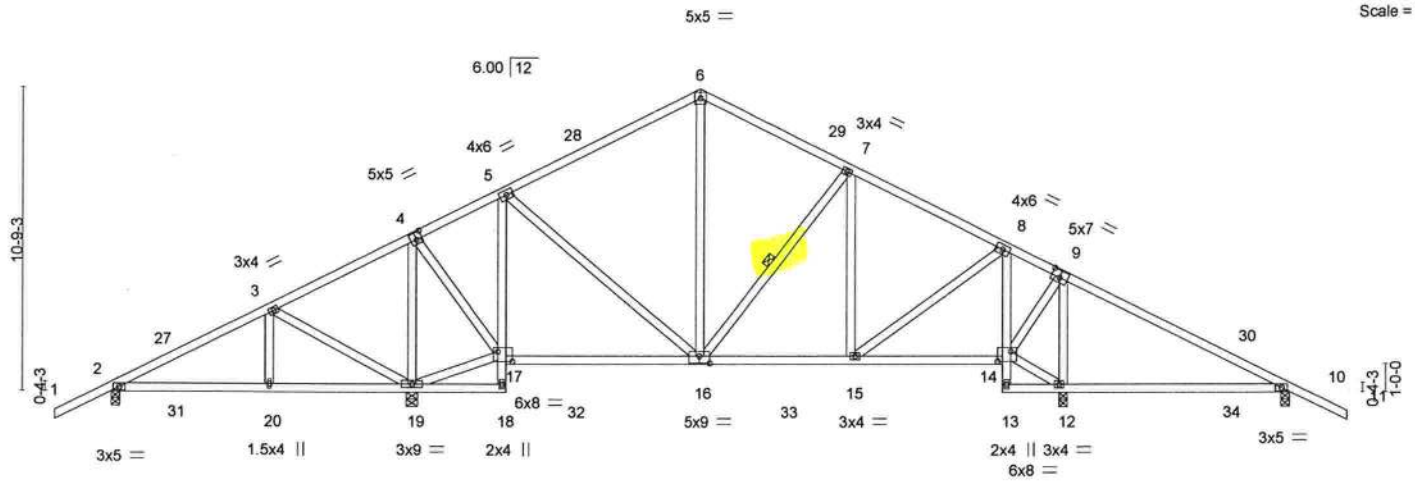
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	T23698776
FT. White Station Lot 20	A11	Roof Special	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:01 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-4Xb5Hlg95sc5rvmw5RSBlGfHZELh295nrKeKJgzNpqm

-2-0-0	5-7-2	10-7-12	13-11-8	20-10-0	26-2-4	31-6-8	33-8-4	41-8-0	43-8-0
2-0-0	5-7-2	5-0-10	3-3-12	6-10-8	5-4-4	5-4-4	2-1-12	7-11-12	2-0-0

Scale = 1:81.7



5-7-2	10-7-12	13-11-8	20-10-0	26-2-4	31-6-8	33-8-4	41-8-0
5-7-2	5-0-10	3-3-12	6-10-8	5-4-4	5-4-4	2-1-12	7-11-12

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [9:0-3-8,0-3-0], [14:0-5-8,0-4-4], [16:0-4-8,0-3-0], [17:0-6-4,0-4-4]

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	0.62	Vert(LL)	0.16	12-26	>595	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.21	12-26	>467	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 259 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-16

REACTIONS. All bearings 0-3-8 except (jt=length) 19=0-4-15.
(lb) - Max Horz 2=-211(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 19, 12 except 2=-142(LC 12), 10=-143(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=422(LC 21), 10=341(LC 22), 19=1702(LC 17), 12=1480(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-270/240, 3-4=-47/486, 4-5=-323/47, 5-6=-661/115, 6-7=-620/123, 7-8=-757/91, 8-9=-306/88, 9-10=0/317
BOT CHORD 5-17=-643/132, 16-17=0/336, 15-16=0/620, 8-14=-541/0
WEBS 3-19=-541/353, 4-19=-1247/29, 17-19=-298/195, 4-17=0/941, 5-16=-15/331, 8-15=0/500, 9-14=0/609, 9-12=-1130/0

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=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-2-0, Interior(1) 2-2-0 to 20-10-0, Exterior(2R) 20-10-0 to 25-0-0, Interior(1) 25-0-0 to 43-8-0 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 12 except (jt=lb) 2=142, 10=143.
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:
April 27,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	T23698777
FT. White Station Lot 20	A12	Roof Special	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:04 2021 Page 1
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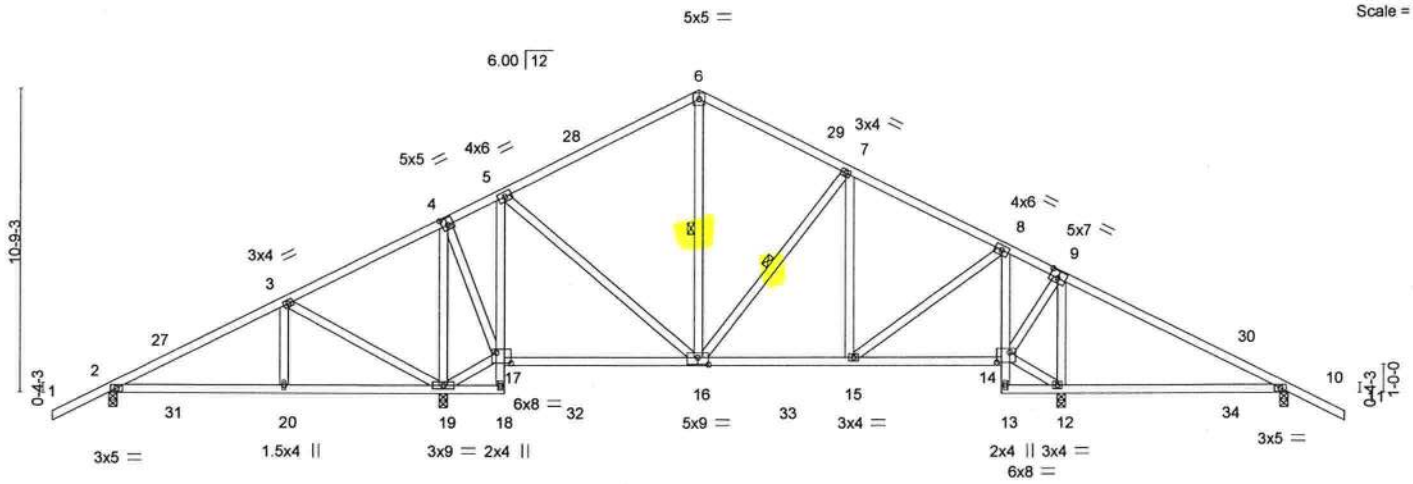
-2-0-0	6-2-2	11-9-12	13-11-8	20-10-0	26-2-4	31-6-8	33-8-4	41-8-0	43-8-0
2-0-0	6-2-2	5-7-10	2-1-12	6-10-8	5-4-4	5-4-4	2-1-12	7-11-12	2-0-0

Scale = 1:81.7



6-2-2	11-9-12	13-11-8	20-10-0	26-2-4	31-6-8	33-8-4	41-8-0
6-2-2	5-7-10	2-1-12	6-10-8	5-4-4	5-4-4	2-1-12	7-11-12

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [9:0-3-8,0-3-0], [14:0-5-8,0-4-4], [16:0-4-8,0-3-0], [17:0-6-4,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	0.16	12-26	>594	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.21	12-26	>466	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 259 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-16, 7-16

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-211(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 12 except 2=-150(LC 12), 10=-144(LC 12), 19=-112(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=475(LC 21), 10=345(LC 22), 19=1687(LC 17), 12=1421(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-358/272, 3-4=-47/456, 5-6=-585/106, 6-7=-544/113, 7-8=-698/83, 8-9=-288/87, 9-10=0/305
BOT CHORD 2-20=-161/268, 19-20=-161/268, 5-17=-767/152, 15-16=0/561, 8-14=-496/0
WEBS 3-20=-219/253, 3-19=-606/390, 4-19=-1170/0, 17-19=-284/227, 4-17=0/879, 5-16=-35/474, 7-16=-268/89, 8-15=0/450, 9-14=0/557, 9-12=-1078/0

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=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-2-0, Interior(1) 2-2-0 to 20-10-0, Exterior(2R) 20-10-0 to 25-0-0, Interior(1) 25-0-0 to 43-8-0 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 2=150, 10=144, 19=112.
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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6904 Parke East Blvd. Tampa FL 33610
Date:
April 27,2021

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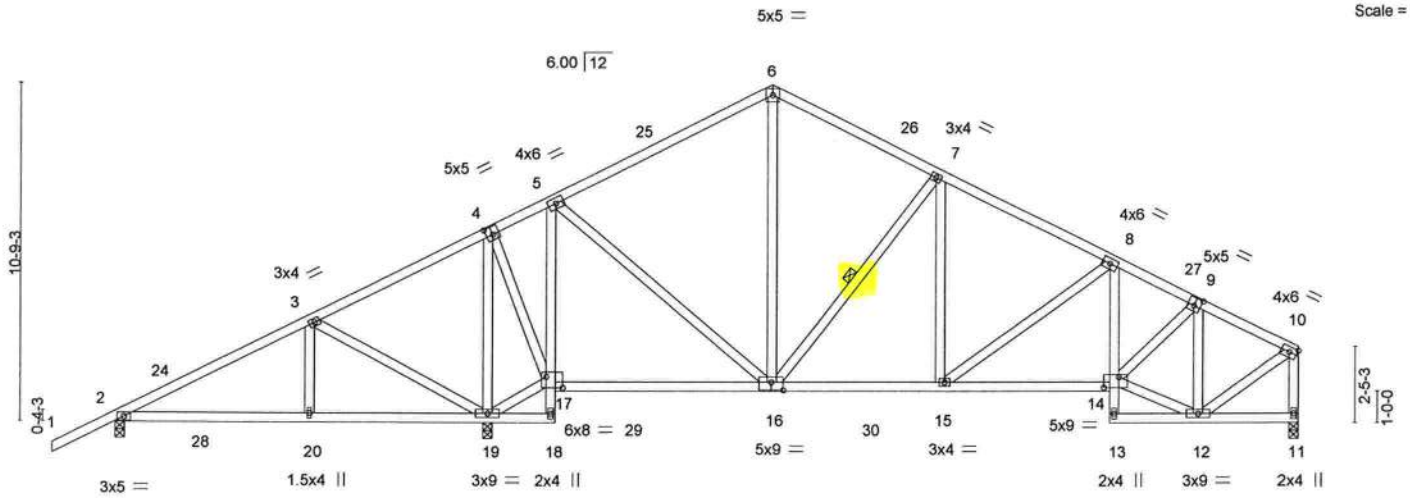
Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	T23698778
FT. White Station Lot 20	A13	Roof Special	2	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:05 2021 Page 1

ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-yJqb7gjg956WJW4iKHX7S6q?iriF_vgMmycYSRzNpqi

-2-0-0	6-2-2	11-9-12	13-11-8	20-10-0	26-2-4	31-6-8	34-4-8	37-6-0
2-0-0	6-2-2	5-7-10	2-1-12	6-10-8	5-4-4	5-4-4	2-10-0	3-1-8

Scale = 1:73.4



6-2-2	11-9-12	13-11-8	20-10-0	26-2-4	31-6-8	34-4-8	37-6-0
6-2-2	5-7-10	2-1-12	6-10-8	5-4-4	5-4-4	2-10-0	3-1-8

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [9:0-2-8,0-3-0], [14:0-5-12,0-4-0], [16:0-4-8,0-3-0], [17:0-6-4,0-4-4]

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	0.42	Vert(LL)	-0.07	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.14	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 251 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 7-16

REACTIONS. (size) 2=0-3-8, 11=0-3-8, 19=0-3-8
Max Horz 2=228(LC 11)
Max Uplift 2=-139(LC 12), 19=-121(LC 12)
Max Grav 2=434(LC 21), 11=1064(LC 18), 19=1985(LC 2)

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

TOP CHORD	2-3=-268/252, 3-4=-128/613, 5-6=-733/97, 6-7=-692/90, 7-8=-1126/61, 8-9=-1379/40, 9-10=-901/37, 10-11=-1010/26
BOT CHORD	5-17=-1026/178, 15-16=0/920, 14-15=-1/1191
WEBS	3-20=-219/254, 3-19=-607/390, 4-19=-1369/34, 17-19=-477/211, 4-17=0/1052, 5-16=-43/753, 6-16=0/279, 7-16=-664/82, 7-15=0/390, 8-15=-368/56, 12-14=0/796, 9-14=0/580, 9-12=-760/39, 10-12=0/895

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=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-9-0, Interior(1) 1-9-0 to 20-10-0, Exterior(2R) 20-10-0 to 24-7-0, Interior(1) 24-7-0 to 37-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=139, 19=121.
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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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 27,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

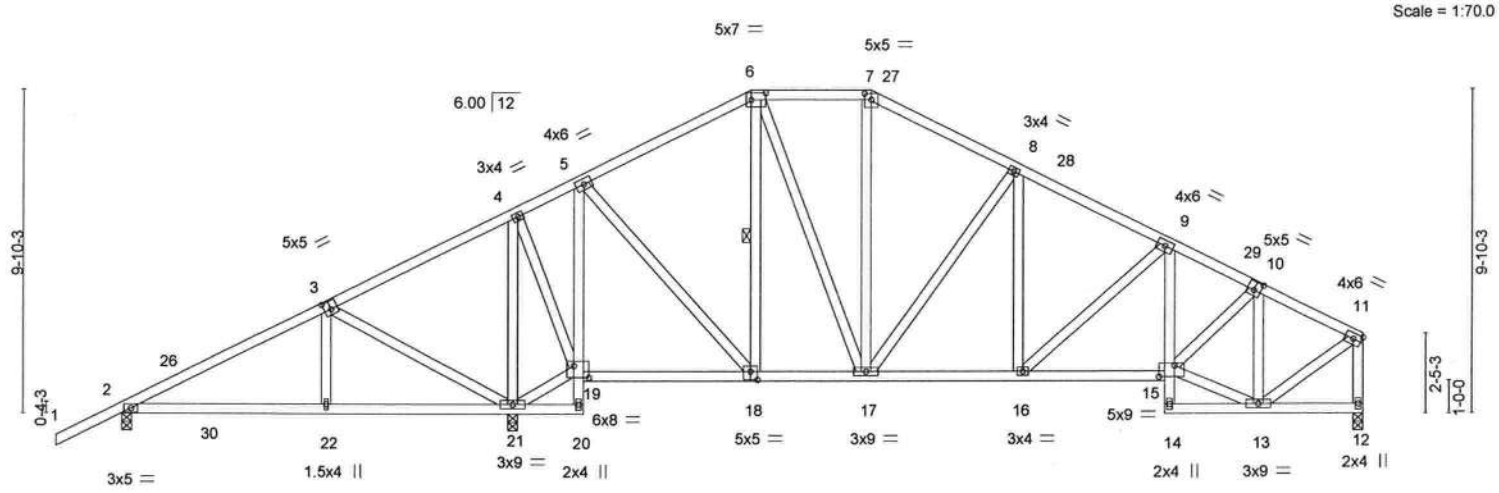
Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	T23698779
FT. White Station Lot 20	A14	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:07 2021 Page 1

ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-vhyMYMlwgiMEZqD4RhZbXXvLefQQSrzfDG5fXKzNpqg

-2-0-0	6-2-2	11-9-12	13-11-8	19-0-0	22-8-0	27-1-4	31-6-8	34-4-8	37-6-0
2-0-0	6-2-2	5-7-10	2-1-12	5-0-8	3-8-0	4-5-4	4-5-4	2-10-0	3-1-8

Scale = 1:70.0



6-2-2	11-9-12	13-11-8	19-0-0	22-8-0	27-1-4	31-6-8	34-4-8	37-6-0
6-2-2	5-7-10	2-1-12	5-0-8	3-8-0	4-5-4	4-5-4	2-10-0	3-1-8

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [6:0-5-4,0-2-8], [7:0-2-8,0-2-4], [10:0-2-8,0-3-0], [15:0-5-8,0-4-0], [18:0-2-8,0-3-0], [19:0-5-8,0-4-4]

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	0.39	Vert(LL)	0.06	22-25	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.08	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 270 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 6-18

REACTIONS. (size) 2=0-3-8, 12=0-3-8, 21=0-3-8
Max Horz 2=212(LC 11)
Max Uplift 2=-139(LC 12), 21=-121(LC 12)
Max Grav 2=443(LC 21), 12=932(LC 1), 21=1768(LC 1)

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

TOP CHORD	2-3=-284/248, 3-4=-121/468, 5-6=-563/77, 6-7=-594/107, 7-8=-730/97, 8-9=-1031/70, 9-10=-1208/44, 10-11=-785/43, 11-12=-897/25
BOT CHORD	5-19=-955/155, 17-18=0/439, 16-17=0/871, 15-16=0/1069
WEBS	3-22=-220/255, 3-21=-556/383, 4-21=-1170/48, 19-21=-415/189, 4-19=0/843, 5-18=-54/690, 6-18=-425/91, 6-17=-49/440, 8-17=-476/74, 8-16=0/295, 9-16=-263/50, 13-15=-7/705, 10-15=0/516, 10-13=-714/42, 11-13=0/795

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=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-9-0, Interior(1) 1-9-0 to 19-0-0, Exterior(2E) 19-0-0 to 22-8-0, Exterior(2R) 22-8-0 to 27-11-10, Interior(1) 27-11-10 to 37-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=139, 21=121.
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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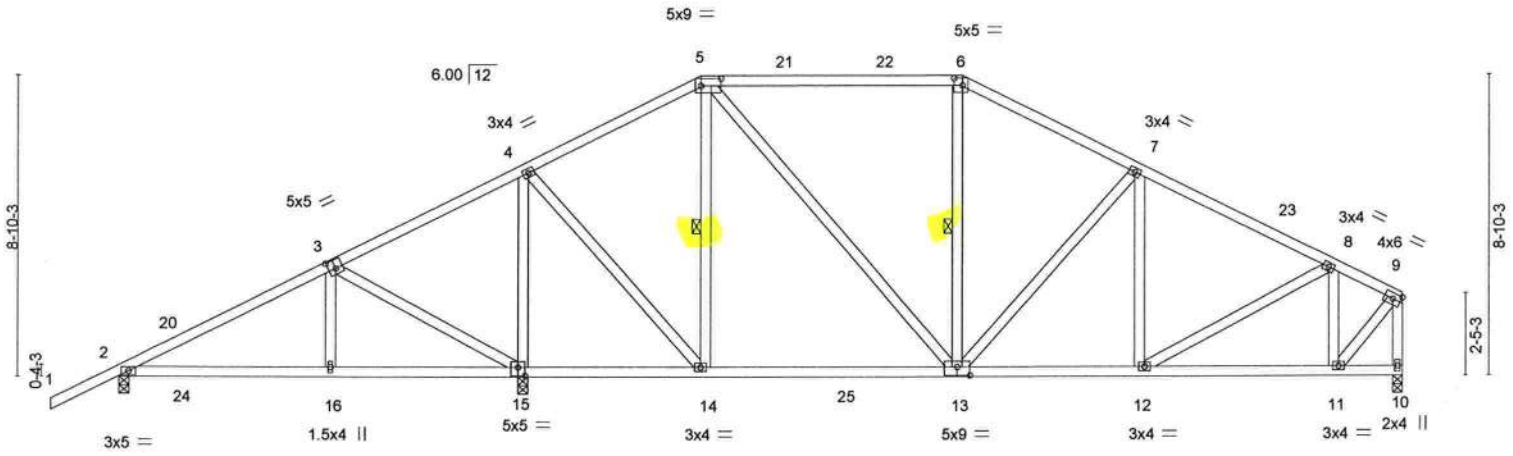
April 27,2021

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	A15	Hip	1	1	T23698780
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:09 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-r446z2nACKcyo8NTZ6c3dy?eJS4WwjOyhaambCzNpqe

-2-0-0	6-2-2	11-9-12	17-0-0	24-8-0	29-10-4	35-5-14	37-6-0
2-0-0	6-2-2	5-7-10	5-2-4	7-8-0	5-2-4	5-7-10	2-0-2

Scale = 1:67.7



6-2-2	11-9-12	17-0-0	24-8-0	29-10-4	35-5-14	37-6-0
6-2-2	5-7-10	5-2-4	7-8-0	5-2-4	5-7-10	2-0-2

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.12	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.19	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.02	10	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, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-14, 6-13

REACTIONS. (size) 2=0-3-8, 15=0-3-8, 10=0-3-8
Max Horz 2=194(LC 11)
Max Uplift 2=-137(LC 12), 15=-121(LC 12)
Max Grav 2=495(LC 21), 15=1818(LC 2), 10=1119(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-395/238, 3-4=-118/349, 4-5=-641/70, 5-6=-857/116, 6-7=-1004/101, 7-8=-1208/71, 8-9=-763/37, 9-10=-1124/9
BOT CHORD 2-16=-213/298, 15-16=-207/295, 13-14=0/512, 12-13=0/978, 11-12=-26/651
WEBS 3-16=-226/254, 3-15=-584/378, 4-15=-1398/172, 4-14=-53/1012, 5-14=-531/135, 5-13=-57/527, 7-13=-299/72, 8-12=0/374, 8-11=-614/76, 9-11=-18/1029

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=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-9-0, Interior(1) 1-9-0 to 17-0-0, Exterior(2R) 17-0-0 to 22-3-10, Interior(1) 22-3-10 to 24-8-0, Exterior(2R) 24-8-0 to 29-10-4, Interior(1) 29-10-4 to 37-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=137, 15=121.
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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April 27,2021

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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	A16GE	Roof Special Supported Gable	1	1	T23698781
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:10 2021 Page 1
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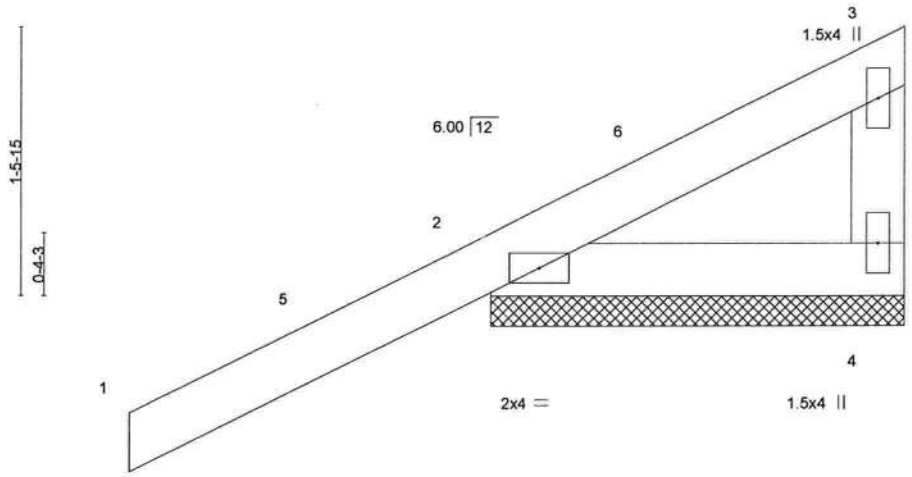
Scale = 1:12.8



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.02	1	n/r	120		
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-P							Weight: 12 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-3-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=2-3-8, 2=2-3-8
Max Horz 2=46(LC 9)
Max Uplift 2=-79(LC 12)
Max Grav 4=46(LC 3), 2=262(LC 1)

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=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 2-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.

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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	
FT. White Station Lot 20	B1GIR	Hip Girder	1	2	Job Reference (optional)	T23698782

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:42 2021 Page 1

ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-NQZbuKAtRTmGFCPp_YioSvsJSmGT9d2pHD3?GozNpq7

-2-0-0	2-3-8	5-0-0	9-6-0	14-0-0	18-6-0	23-3-4	27-10-12	32-8-0	35-5-4	39-5-0
2-0-0	2-3-8	2-8-8	4-6-0	4-6-0	4-6-0	4-9-4	4-7-8	4-9-4	2-9-4	3-11-12

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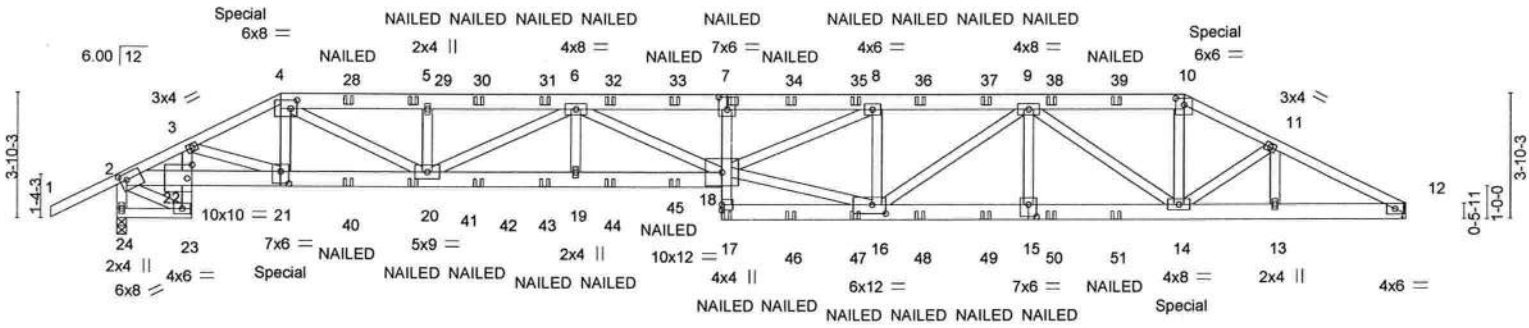


2-3-8	5-0-0	9-6-0	14-0-0	18-6-0	23-3-4	27-10-12	32-8-0	35-5-4	39-5-0
2-3-8	2-8-8	4-6-0	4-6-0	4-6-0	4-9-4	4-7-8	4-9-4	2-9-4	3-11-12

Plate Offsets (X,Y)-- [2:0-2-7,0-2-4], [4:0-2-4,0-3-0], [7:0-3-0,0-4-8], [10:0-3-0,0-2-7], [15:0-3-0,0-4-8], [16:0-5-0,0-3-4], [21:0-3-0,0-4-8], [22:0-1-12,0-5-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.46	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.94	18-19	>503	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.28	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 552 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 4-7,7-10: 2x6 SP No.2

BOT CHORD 2x6 SP No.2 *Except* 23-24,22-23: 2x4 SP No.2, 7-17: 2x4 SP No.1, 18-21: 2x6 SP SS

WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-10-7 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 12=Mechanical, 24=0-3-8
Max Horz 24=-84(LC 6)
Max Uplift 24=-50(LC 8)
Max Grav 12=3135(LC 1), 24=3320(LC 1)

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

TOP CHORD 2-3=-5948/0, 3-4=-6694/0, 4-5=-10012/0, 5-6=-10007/0, 6-7=-13686/0, 7-8=-13466/0, 8-9=-9602/0, 9-10=-5749/0, 10-11=-6318/0, 11-12=-6249/0, 2-24=-3373/59

BOT CHORD 23-24=-20/579, 22-23=-8/311, 2-22=0/5116, 21-22=0/5272, 20-21=0/5985, 19-20=0/12794, 18-19=0/12794, 7-18=-449/124, 16-17=0/1386, 15-16=0/8251, 14-15=0/8251, 13-14=0/5531, 12-13=0/5531

WEBS 3-21=-29/802, 4-21=0/506, 4-20=0/4603, 5-20=-618/108, 6-20=-3164/0, 6-19=0/512, 6-18=-18/1017, 16-18=0/8405, 8-18=0/4350, 8-16=-2658/104, 9-16=0/1698, 9-15=0/369, 9-14=-3135/33, 10-14=0/2369, 3-22=-625/32, 11-14=-148/289, 2-23=-475/33

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: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24.
11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: April 27,2021

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 139 lb down and 93 lb up at 5-0-0, and 227 lb down and 134 lb up at 32-8-0 on top chord, and 240 lb down and 21 lb up at 5-0-0, and 319 lb down at 32-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-4=-60, 4-10=-60, 10-12=-60, 23-24=-20, 18-22=-20, 17-25=-20
   Concentrated Loads (lb)
   Vert: 4=-108(B) 10=-180(B) 21=-236(B) 7=-121(B) 18=-59(B) 14=-319(B) 28=-108(B) 29=-108(B) 30=-108(B) 31=-108(B) 32=-108(B) 33=-108(B) 34=-121(B) 35=-121(B) 36=-121(B) 37=-121(B) 38=-121(B) 39=-121(B) 40=-72(B) 41=-72(B) 42=-72(B) 43=-72(B) 44=-72(B) 45=-72(B) 46=-59(B) 47=-59(B) 48=-59(B) 49=-59(B) 50=-59(B) 51=-59(B)

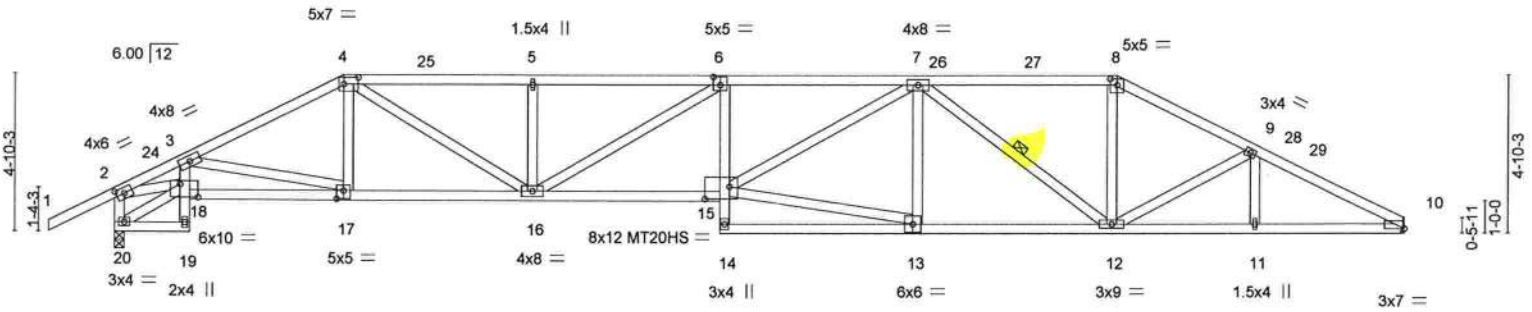
Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	B2	Hip	1	1	T23698783
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:45 2021 Page 1

ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-n?FjWLCmkO8r6g7OggFV4YUqNzI4M1UFzBlgt7zNpq4

-2-0-0	2-3-8	7-0-0	12-9-0	18-6-0	24-7-0	30-8-0	34-10-12	39-5-0
2-0-0	2-3-8	4-8-8	5-9-0	5-9-0	6-1-0	6-1-0	4-2-12	4-6-4

Scale = 1:70.7



2-3-8	7-0-0	12-9-0	18-6-0	24-7-0	30-8-0	34-10-12	39-5-0
2-3-8	4-8-8	5-9-0	5-9-0	6-1-0	6-1-0	4-2-12	4-6-4

Plate Offsets (X,Y)-- [2:0-2-15,0-2-0], [4:0-5-4,0-2-8], [6:0-2-8,0-3-0], [8:0-2-8,0-2-4], [10:0-0-0,0-0-2], [15:0-9-0,0-4-8], [17:0-2-8,0-3-0], [18:0-6-8,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.38	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.77	15-16	>613	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.32	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 227 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 15-17: 2x4 SP No.1
WEBS	2x4 SP No.2

BRACING-

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

REACTIONS. (size) 10=Mechanical, 20=0-3-8
Max Horz 20=-101(LC 10)
Max Uplift 20=-53(LC 12)
Max Grav 10=1567(LC 1), 20=1703(LC 1)

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

TOP CHORD	2-3=-3254/107, 3-4=-2863/109, 4-5=-3810/142, 5-6=-3810/142, 6-7=-4490/163, 7-8=-2399/136, 8-9=-2690/135, 9-10=-2949/121, 2-20=-1574/118
BOT CHORD	3-18=0/295, 17-18=-95/3159, 16-17=-2/2522, 15-16=-46/4540, 12-13=-40/3223, 11-12=-62/2569, 10-11=-62/2569
WEBS	3-17=-693/94, 4-16=-44/1571, 5-16=-357/93, 6-16=-884/26, 13-15=-38/3041, 7-15=-15/1478, 7-13=-495/85, 7-12=-1110/29, 8-12=0/877, 2-18=-62/2813

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-1-12, Interior(1) 2-1-12 to 7-0-0, Exterior(2R) 7-0-0 to 12-9-0, Interior(1) 12-9-0 to 30-8-0, Exterior(2R) 30-8-0 to 36-2-14, Interior(1) 36-2-14 to 39-5-0 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) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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MiTek USA, Inc. FL Cert 6634
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Date:
April 27,2021

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Tampa, FL 36610

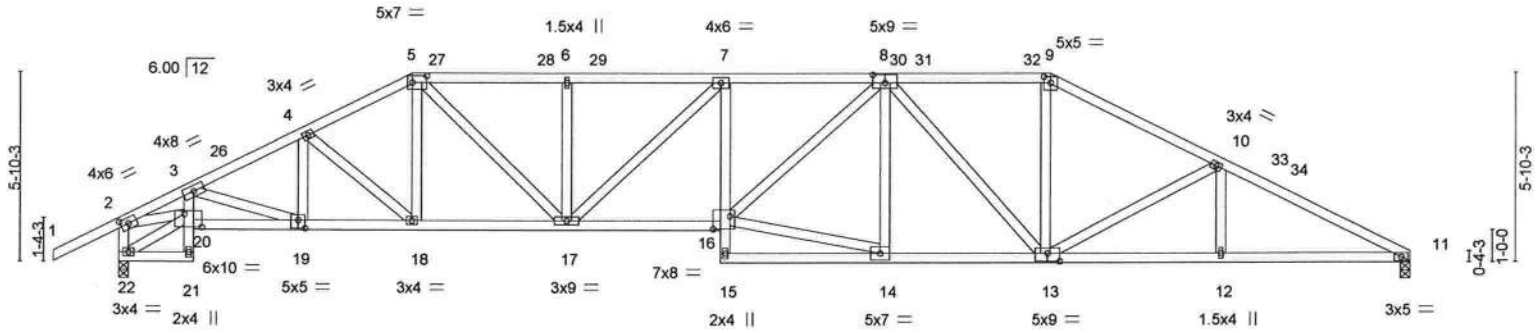
Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	B3	Hip	1	1	T23698784
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:47 2021 Page 1

ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-kONTx1E0G?PZMzHmn5Hz9zZBZnzaqxwYQUnmx?zNpq2

-2-0-0	2-3-8	5-7-12	9-0-0	13-9-0	18-6-0	23-7-0	28-8-0	33-10-12	39-8-0
2-0-0	2-3-8	3-4-4	3-4-4	4-9-0	4-9-0	5-1-0	5-1-0	5-2-12	5-9-4

Scale = 1:71.2



2-3-8	5-7-12	9-0-0	13-9-0	18-6-0	23-7-0	28-8-0	33-10-12	39-8-0
2-3-8	3-4-4	3-4-4	4-9-0	4-9-0	5-1-0	5-1-0	5-2-12	5-9-4

Plate Offsets (X,Y)-- [2:0-2-15,0-2-0], [5:0-5-4,0-2-8], [8:0-4-8,0-3-0], [9:0-2-8,0-2-4], [13:0-4-8,0-3-0], [16:0-6-4,0-4-12], [19:0-2-8,0-3-0], [20:0-6-8,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.28	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.56	16-17	>848	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.28	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 244 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 11=0-3-8, 22=0-3-8
Max Horz 22=-120(LC 10)
Max Uplift 22=-53(LC 12)
Max Grav 11=1577(LC 1), 22=1713(LC 1)

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

TOP CHORD	2-3=-3265/102, 3-4=-2935/123, 4-5=-2702/136, 5-6=-3111/151, 6-7=-3111/151, 7-8=-3525/163, 8-9=-2286/147, 9-10=-2618/145, 10-11=-3099/128, 2-22=-1586/121
BOT CHORD	3-20=0/336, 19-20=-65/3126, 18-19=-34/2602, 17-18=0/2380, 16-17=-17/3552, 13-14=-16/2733, 12-13=-59/2717, 11-12=-59/2717
WEBS	3-19=-584/33, 4-18=-319/56, 5-18=0/304, 5-17=-37/1070, 6-17=-306/83, 7-17=-643/16, 14-16=-18/2654, 8-16=-4/1059, 8-14=-525/66, 8-13=-760/24, 9-13=0/849, 10-13=-509/74, 2-20=-52/2816

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-1-12, Interior(1) 2-1-12 to 9-0-0, Exterior(2R) 9-0-0 to 14-7-5, Interior(1) 14-7-5 to 28-8-0, Exterior(2R) 28-8-0 to 34-3-5, Interior(1) 34-3-5 to 39-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22.
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:
April 27,2021

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Tampa, FL 36610

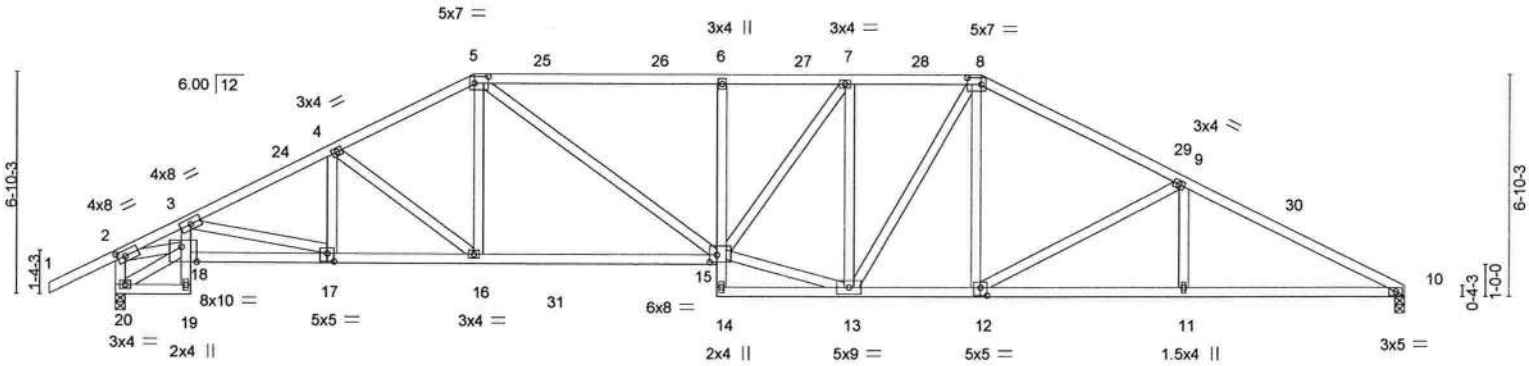
Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	B5	Hip	1	1	T23698785
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:49 2021 Page 1

ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-gmVEMjGGncfHbHR9vWKREOfR5ae8IsnruoGt0uzNpq0

-2-0-0	2-3-8	6-7-12	11-0-0	18-6-0	22-7-0	26-8-0	32-10-12	39-8-0
2-0-0	2-3-8	4-4-4	4-4-4	7-6-0	4-1-0	4-1-0	6-2-12	6-9-4

Scale = 1:71.2



2-3-8	6-7-12	11-0-0	18-6-0	22-7-0	26-8-0	32-10-12	39-8-0
2-3-8	4-4-4	4-4-4	7-6-0	4-1-0	4-1-0	6-2-12	6-9-4

Plate Offsets (X,Y)-- [2:0-2-15,0-2-0], [5:0-5-4,0-2-8], [8:0-5-4,0-2-8], [12:0-2-8,0-3-0], [15:0-2-12,0-2-12], [17:0-2-8,0-3-0], [18:0-5-12,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	0.77	Vert(LL)	-0.31	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.60	15-16	>787	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.28	10	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 244 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 10=0-3-8, 20=0-3-8
Max Horz 20=-139(LC 10)
Max Uplift 20=-53(LC 12)
Max Grav 10=1756(LC 18), 20=1876(LC 17)

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

TOP CHORD	2-3=-3781/100, 3-4=-3228/131, 4-5=-2854/144, 5-6=-3085/168, 6-7=-3051/167, 7-8=-2560/168, 8-9=-2688/154, 9-10=-3348/130, 2-20=-1785/118
BOT CHORD	3-18=0/427, 17-18=-65/3751, 16-17=-34/2922, 15-16=0/2571, 6-15=-405/104, 12-13=0/2294, 11-12=-54/2945, 10-11=-54/2945
WEBS	3-17=-841/33, 4-16=-456/69, 5-16=0/550, 5-15=-37/814, 13-15=0/2546, 7-15=-4/936, 7-13=-926/53, 8-13=-19/538, 8-12=0/541, 9-12=-743/81, 9-11=0/275, 2-18=-52/3243, 18-20=-268/74

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-1-12, Interior(1) 2-1-12 to 11-0-0, Exterior(2R) 11-0-0 to 16-7-5, Interior(1) 16-7-5 to 26-8-0, Exterior(2R) 26-8-0 to 32-3-5, Interior(1) 32-3-5 to 39-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20.
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:
April 27,2021

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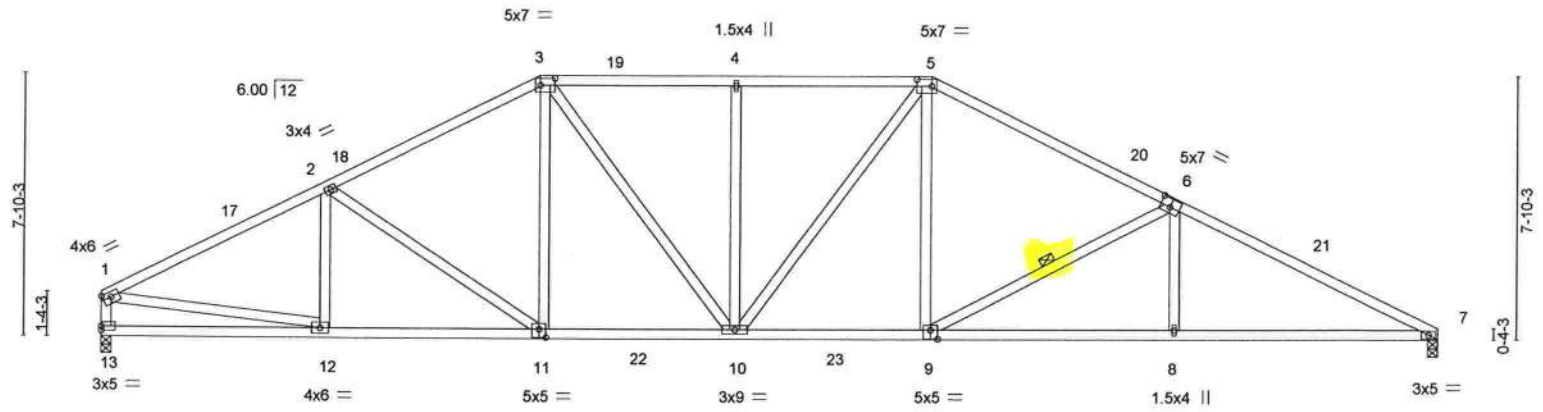
Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	B6	Hip	1	1	T23698786
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:51 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-c9c_nPHXJEv?qbbX0xMwKpkptOJImpz8L6l_4mzNpq_

6-7-12	13-0-0	18-10-0	24-8-0	31-10-12	39-8-0
6-7-12	6-4-4	5-10-0	5-10-0	7-2-12	7-9-4

Scale = 1:68.7



6-7-12	13-0-0	18-10-0	24-8-0	31-10-12	39-8-0
6-7-12	6-4-4	5-10-0	5-10-0	7-2-12	7-9-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.20	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.37	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.13	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 228 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 6-9

REACTIONS. (size) 13=0-3-8, 7=0-3-8
Max Horz 13=-151(LC 10)
Max Grav 13=1781(LC 17), 7=1791(LC 18)

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

TOP CHORD	1-2=-2622/120, 2-3=-2393/162, 3-4=-2335/180, 4-5=-2335/180, 5-6=-2587/163, 6-7=-3357/134, 1-13=-1665/100
BOT CHORD	12-13=-41/348, 11-12=-33/2367, 10-11=0/2128, 9-10=0/2205, 8-9=-55/2941, 7-8=-53/2947
WEBS	2-11=-291/69, 3-11=0/416, 3-10=-22/538, 4-10=-378/88, 5-10=-17/348, 5-9=0/675, 6-9=-863/91, 6-8=0/319, 1-12=-34/2049

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=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-1-6, Interior(1) 4-1-6 to 13-0-0, Exterior(2R) 13-0-0 to 18-10-0, Interior(1) 18-10-0 to 24-8-0, Exterior(2R) 24-8-0 to 30-3-5, Interior(1) 30-3-5 to 39-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) 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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6904 Parke East Blvd. Tampa FL 33610
Date:
April 27,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	C1GIR	Hip Girder	1	2	T23698787

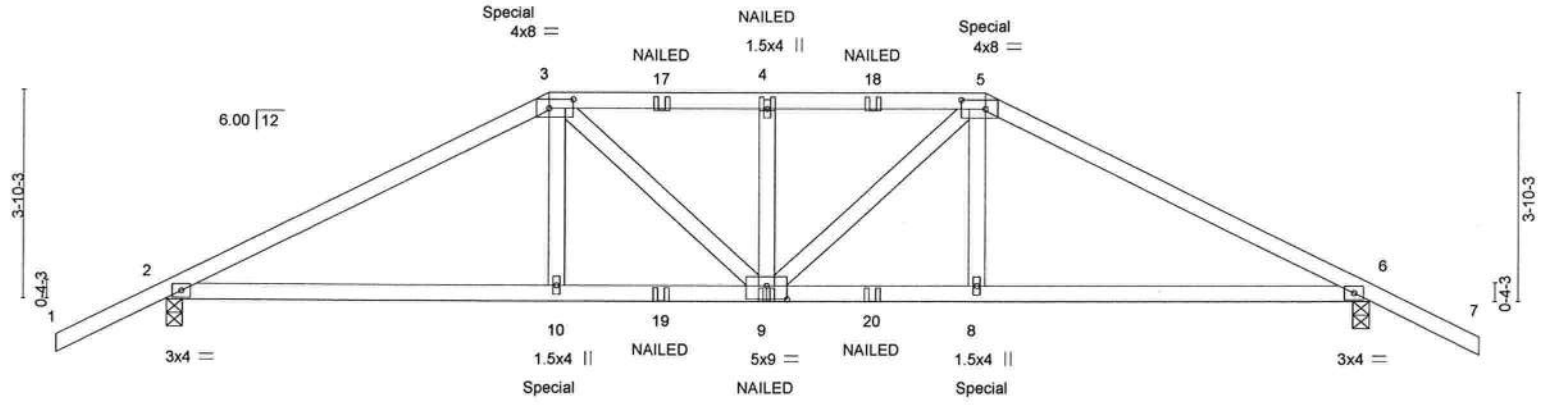
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:53 2021 Page 1

ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-YYkIC4Jnrr9j4ukw8MOOPEpCEC5cEoWRoQE58fzNppy

-2-0-0	7-0-0	11-0-0	15-0-0	22-0-0	24-0-0
2-0-0	7-0-0	4-0-0	4-0-0	7-0-0	2-0-0

Scale = 1:42.4



7-0-0	11-0-0	15-0-0	22-0-0
7-0-0	4-0-0	4-0-0	7-0-0

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

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	0.44	Vert(LL)	-0.06	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.12	9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 208 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=75(LC 24)
Max Grav 2=1769(LC 1), 6=1769(LC 1)

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

TOP CHORD	2-3=-3127/0, 3-4=-3101/0, 4-5=-3101/0, 5-6=-3127/0
BOT CHORD	2-10=0/2714, 9-10=0/2735, 8-9=0/2735, 6-8=0/2714
WEBS	3-10=0/610, 3-9=-41/573, 4-9=-520/120, 5-9=-41/573, 5-8=0/610

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) 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) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 227 lb down and 132 lb up at 7-0-0, and 227 lb down and 132 lb up at 15-0-0 on top chord, and 319 lb down at 7-0-0, and 319 lb down at 14-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 5-7=-60, 11-14=-20

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MiTek USA, Inc. FL Cert 6634
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Date:
April 27,2021

Continued on page 2

MiTek
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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	C1GIR	Hip Girder	1	2	T23698787
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:53 2021 Page 2
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-YYkIC4Jnrr9j4ukw8MOOPEpCEC5cEoWRoQE58fzNppy

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 3=-180(F) 5=-180(F) 10=-319(F) 9=-59(F) 4=-121(F) 8=-319(F) 17=-121(F) 18=-121(F) 19=-59(F) 20=-59(F)

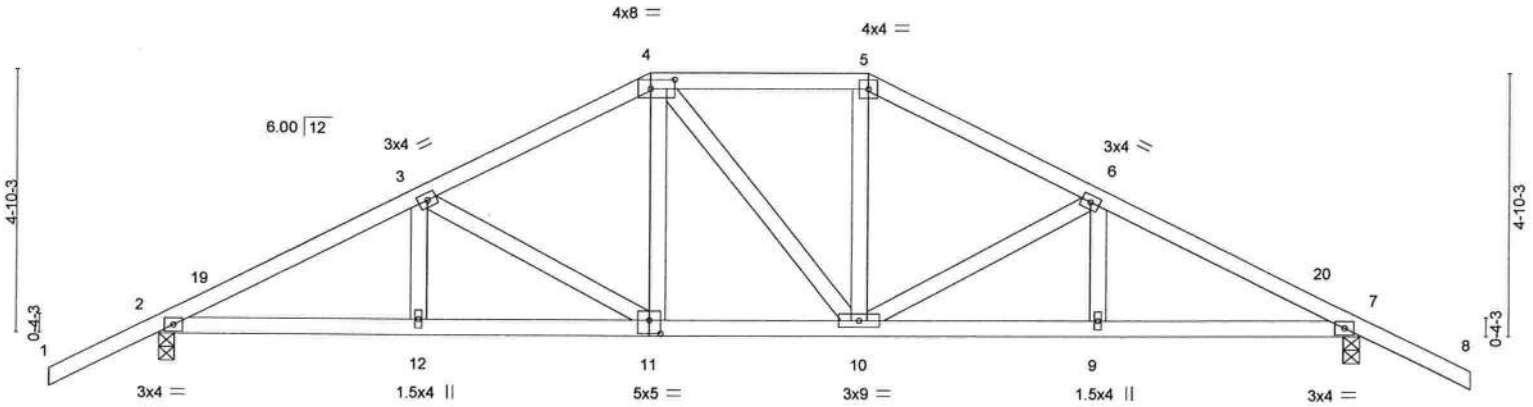
Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	C2	Hip	1	1	T23698788
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:55 2021 Page 1

ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-VwsVdmK1NSPQJCuJFnQsUfvbf?p8ihYjGkjBCYzNppw

-2-0-0	4-9-4	9-0-0	13-0-0	17-2-12	22-0-0	24-0-0
2-0-0	4-9-4	4-2-12	4-0-0	4-2-12	4-9-4	2-0-0

Scale = 1:42.4



4-9-4	9-0-0	13-0-0	17-2-12	22-0-0
4-9-4	4-2-12	4-0-0	4-2-12	4-9-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.05	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.10	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 117 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-91(LC 10)
Max Uplift 2=-49(LC 12), 7=-49(LC 12)
Max Grav 2=1000(LC 1), 7=1000(LC 1)

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

TOP CHORD	2-3=-1560/88, 3-4=-1202/107, 4-5=-1023/116, 5-6=-1195/106, 6-7=-1560/88
BOT CHORD	2-12=0/1347, 11-12=0/1347, 10-11=0/1020, 9-10=-16/1347, 7-9=-16/1347
WEBS	3-11=-377/53, 4-11=0/306, 5-10=0/307, 6-10=-382/53

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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 9-0-0, Exterior(2E) 9-0-0 to 13-0-0, Exterior(2R) 13-0-0 to 17-2-12, Interior(1) 17-2-12 to 24-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	C3	Common	4	1	T23698789
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:56 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-z7Qtq6Lf8mXHxMTVpUy51sRl6P8QR6WtVOSll_zNppv

-2-0-0	5-9-4	11-0-0	16-2-12	22-0-0	24-0-0
2-0-0	5-9-4	5-2-12	5-2-12	5-9-4	2-0-0

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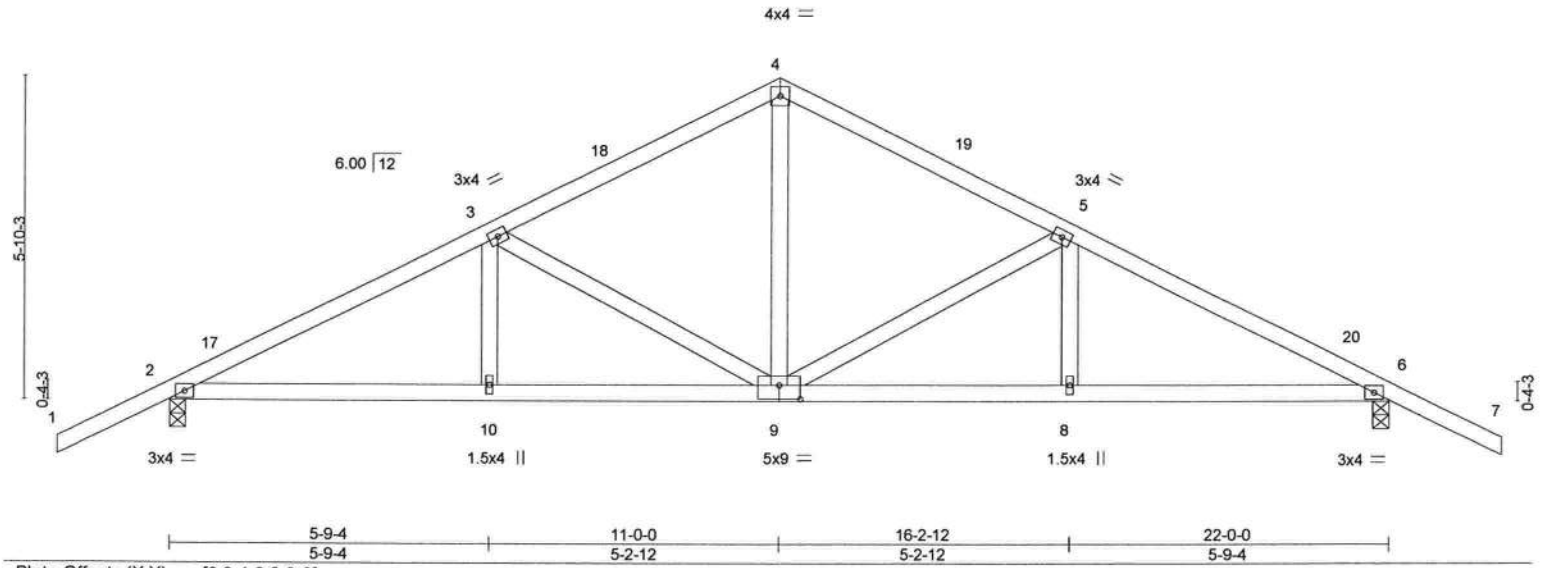

5-9-4	11-0-0	16-2-12	22-0-0
5-9-4	5-2-12	5-2-12	5-9-4

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

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	0.27	Vert(LL)	-0.05	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.11	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 109 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=107(LC 11)
Max Uplift 2=-49(LC 12), 6=-49(LC 12)
Max Grav 2=1000(LC 1), 6=1000(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1523/118, 3-4=-1055/134, 4-5=-1055/134, 5-6=-1523/118
BOT CHORD 2-10=-5/1305, 9-10=-5/1305, 8-9=-24/1305, 6-8=-24/1305
WEBS 4-9=-7/583, 5-9=-504/82, 3-9=-504/83

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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 24-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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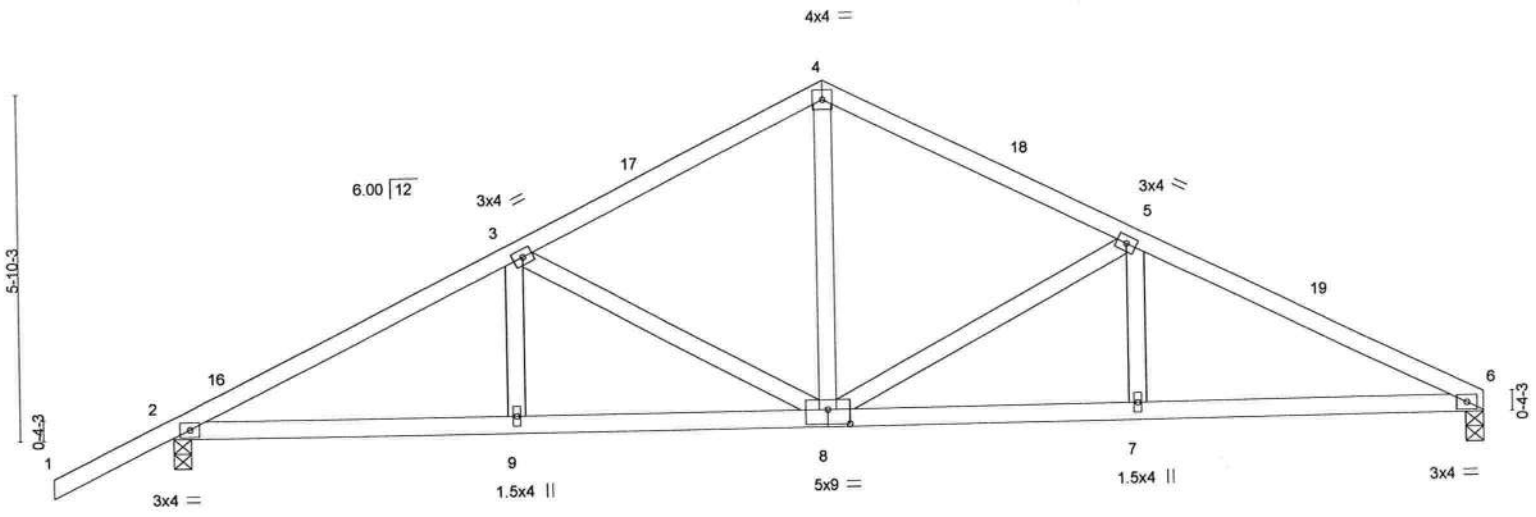
Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	T23698790
FT. White Station Lot 20	C4	Common	2	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:57 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-RJzF2SMHv4f8ZW2hNBTKZ4_wMpTfAYQ0j2ClHQzNppu

-2-0-0 | 5-9-4 | 11-0-0 | 16-2-12 | 22-0-0
2-0-0 | 5-9-4 | 5-2-12 | 5-2-12 | 5-9-4

Scale = 1:38.9



5-9-4 | 11-0-0 | 16-2-12 | 22-0-0
5-9-4 | 5-2-12 | 5-2-12 | 5-9-4

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

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	0.30	Vert(LL)	-0.05	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.11	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.04	6	n/a	n/a	Weight: 106 lb	FT = 20%
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS								

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

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

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=104(LC 11)
Max Uplift 2=-52(LC 12)
Max Grav 6=875(LC 1), 2=1005(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1535/130, 3-4=-1066/139, 4-5=-1068/146, 5-6=-1549/143
BOT CHORD 2-9=-64/1317, 8-9=-64/1317, 7-8=-68/1346, 6-7=-68/1346
WEBS 4-8=-20/597, 5-8=-540/93, 3-8=-505/84

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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 22-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) 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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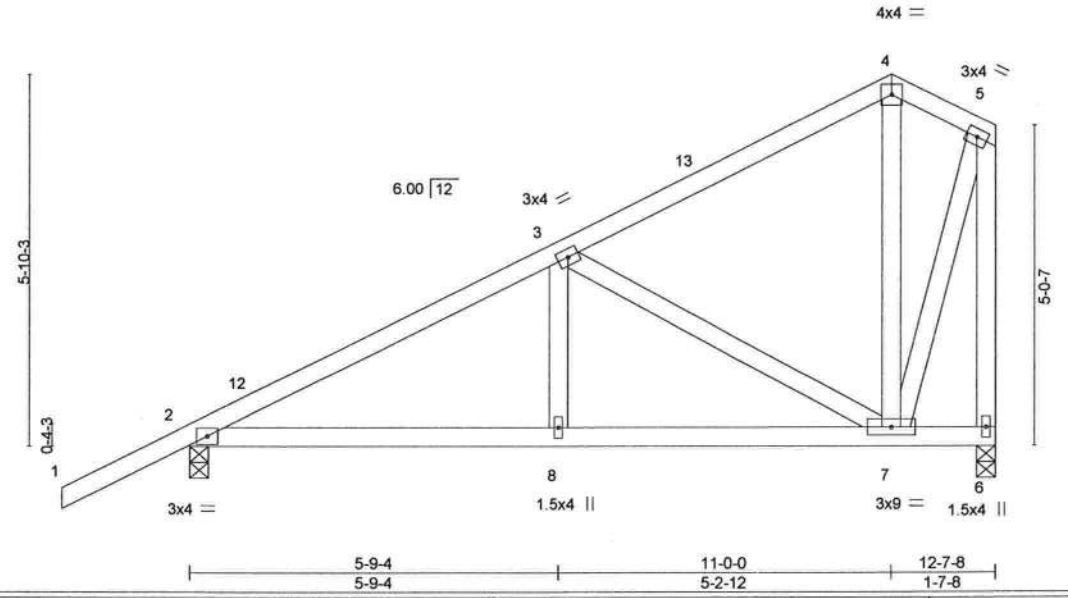
Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	T23698791
FT. White Station Lot 20	C5	Common	2	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:37:58 2021 Page 1
ID:IYcROPhxkNgTW0wPzNuJ1qzOXll-vVXeFoNwgNn?Agdtwv_Z6HX5SDs6v0rAyixspszNppt

-2-0-0 / 2-0-0 | 5-9-4 / 5-9-4 | 11-0-0 / 5-2-12 | 12-7-8 / 1-7-8

Scale = 1:36.2



5-9-4 / 5-9-4 | 11-0-0 / 5-2-12 | 12-7-8 / 1-7-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.02	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.06	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 77 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=170(LC 11)
Max Uplift 2=-50(LC 12)
Max Grav 2=629(LC 1), 6=490(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-715/95, 5-6=-485/132
BOT CHORD 2-8=-222/586, 7-8=-222/586
WEBS 3-7=-521/151, 5-7=-159/436

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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 11-0-0, Exterior(2E) 11-0-0 to 12-5-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
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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April 27,2021

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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	CJ1	Diagonal Hip Girder	4	1	T23698792
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:00 2021 Page 1
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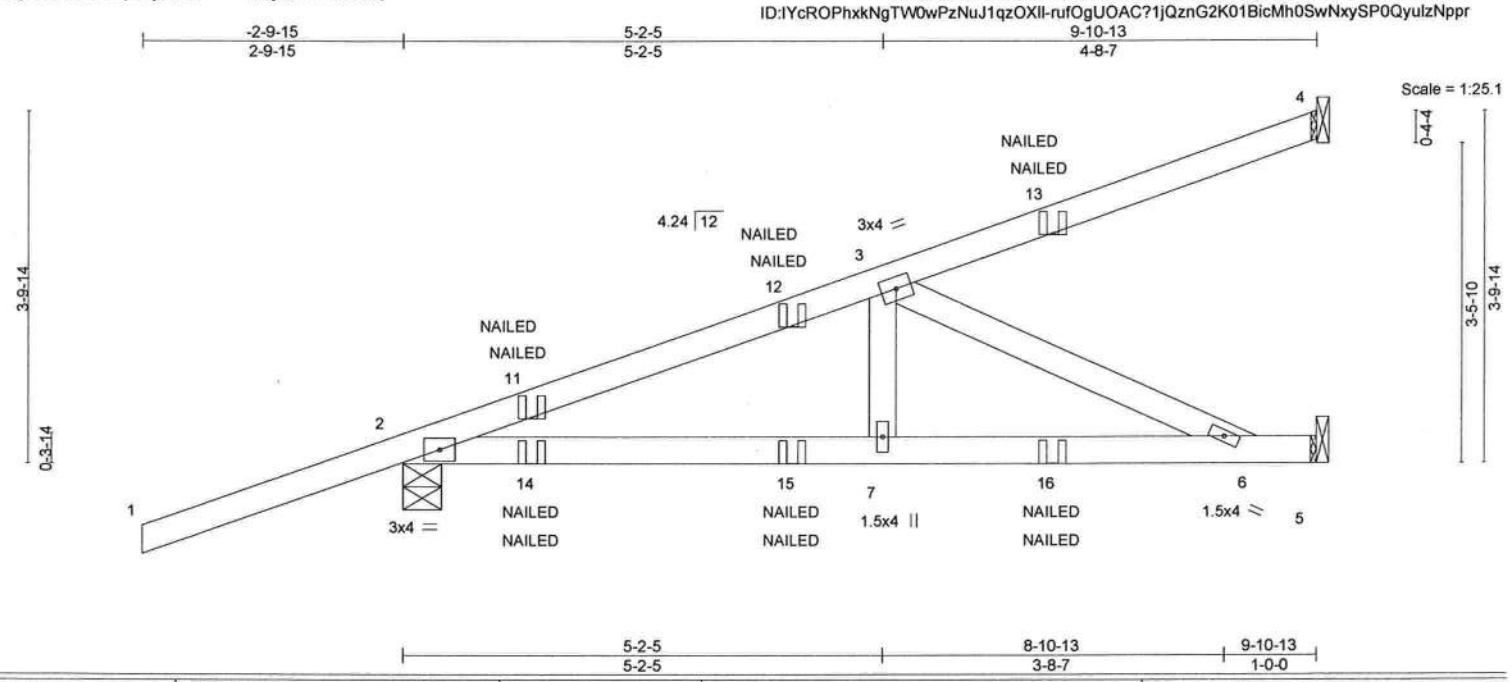

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.06	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.11	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 44 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-4-15, 5=Mechanical
Max Horz 2=120(LC 8)
Max Uplift 4=-32(LC 8), 2=-152(LC 8)
Max Grav 4=144(LC 1), 2=544(LC 28), 5=303(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-732/0
BOT CHORD 2-7=-35/641, 6-7=-35/641
WEBS 3-7=0/275, 3-6=-706/38

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 except (jt=lb) 2=152.
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=72(F=36, B=36) 13=-71(F=-36, B=-36) 14=82(F=41, B=41) 15=4(F=2, B=2) 16=-49(F=-24, B=-24)

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April 27,2021

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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	CJ2	Diagonal Hip Girder	1	1	T23698793
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:01 2021 Page 1
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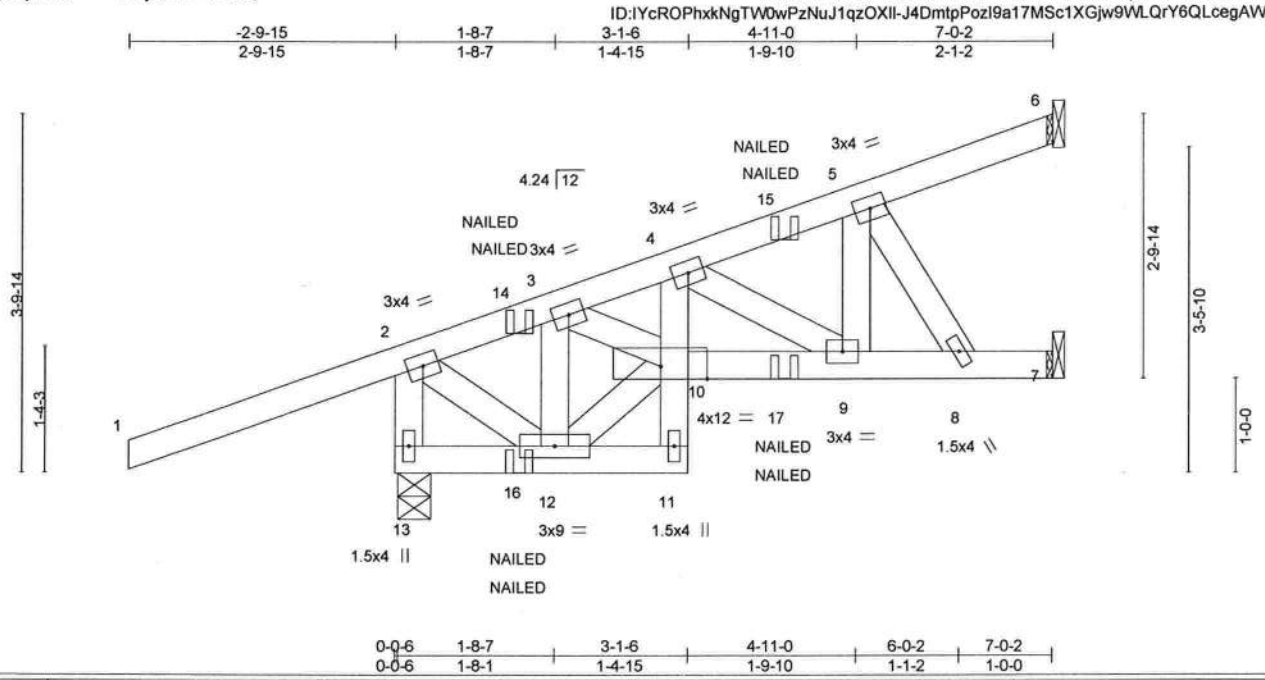

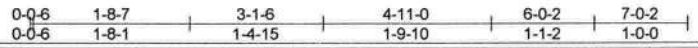

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.01	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.02	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.08	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 46 lb	FT = 20%

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

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

REACTIONS. (size) 13=0-4-3, 6=Mechanical, 7=Mechanical
Max Horz 13=118(LC 8)
Max Uplift 13=-151(LC 8), 6=-13(LC 8), 7=-12(LC 5)
Max Grav 13=491(LC 28), 6=65(LC 1), 7=212(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-474/150, 3-4=-433/70, 4-5=-284/10
BOT CHORD 9-10=-97/431
WEBS 2-12=-151/371, 3-12=-325/182, 3-10=-38/347, 5-9=-17/336, 5-8=-431/46

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) 6, 7 except (jt=lb) 13=151.
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: 1-2=-60, 2-6=-60, 11-13=-20, 7-10=-20
Concentrated Loads (lb)
Vert: 14=75(F) 15=-25(F=-3, B=-22) 16=2(B) 17=-38(B)

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Date:
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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	CJ3	Jack-Partial	2	1	T23698794
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:02 2021 Page 1
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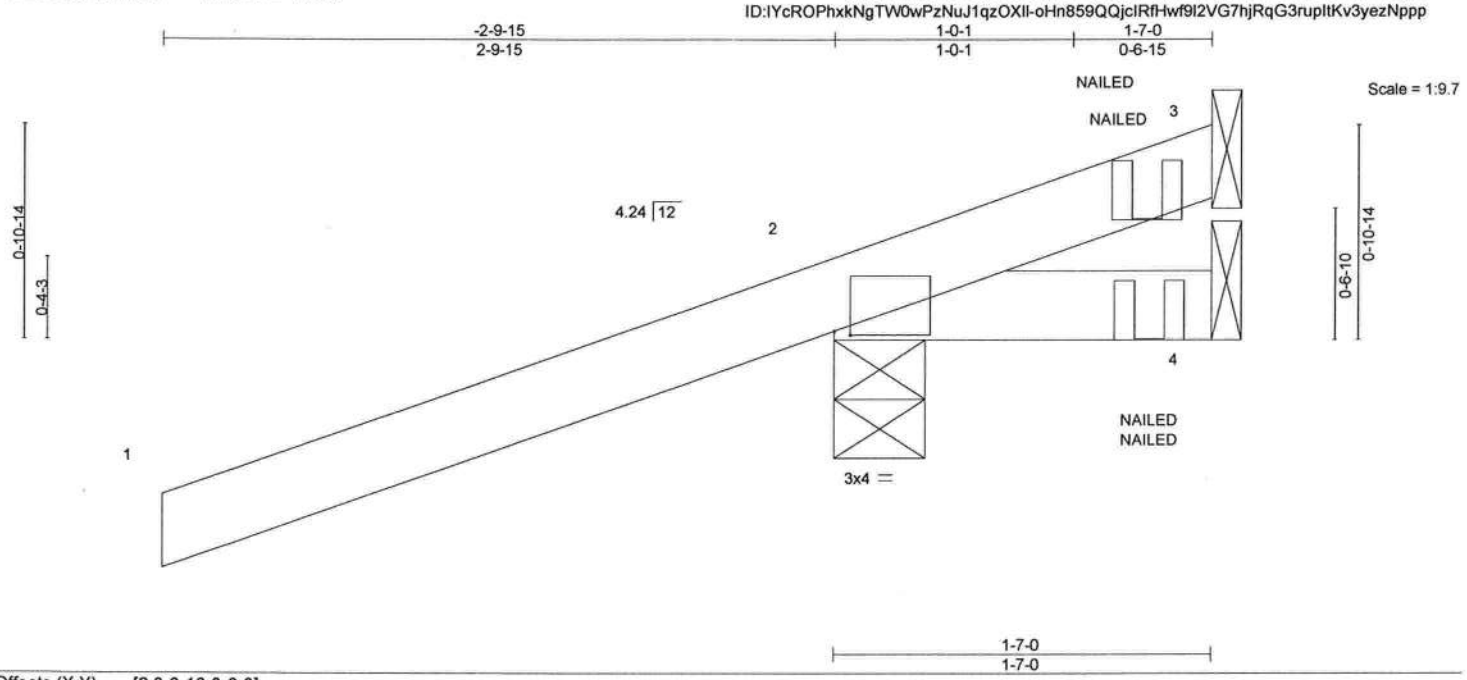

Plate Offsets (X,Y)-- [2:0-0-13,0-0-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 9 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-4-9, 4=Mechanical, 3=Mechanical
Max Horz 2=50(LC 12)
Max Uplift 2=-140(LC 12), 4=-194(LC 21), 3=-191(LC 21)
Max Grav 2=385(LC 1), 4=106(LC 32), 3=105(LC 32)

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 Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=140, 4=194, 3=191.
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: 1-3=-60, 4-5=-20
Concentrated Loads (lb)
Vert: 4=57(F=29, B=29) 3=49(F=25, B=25)

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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	D1GE	Roof Special	1	1	T23698795
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:03 2021 Page 1
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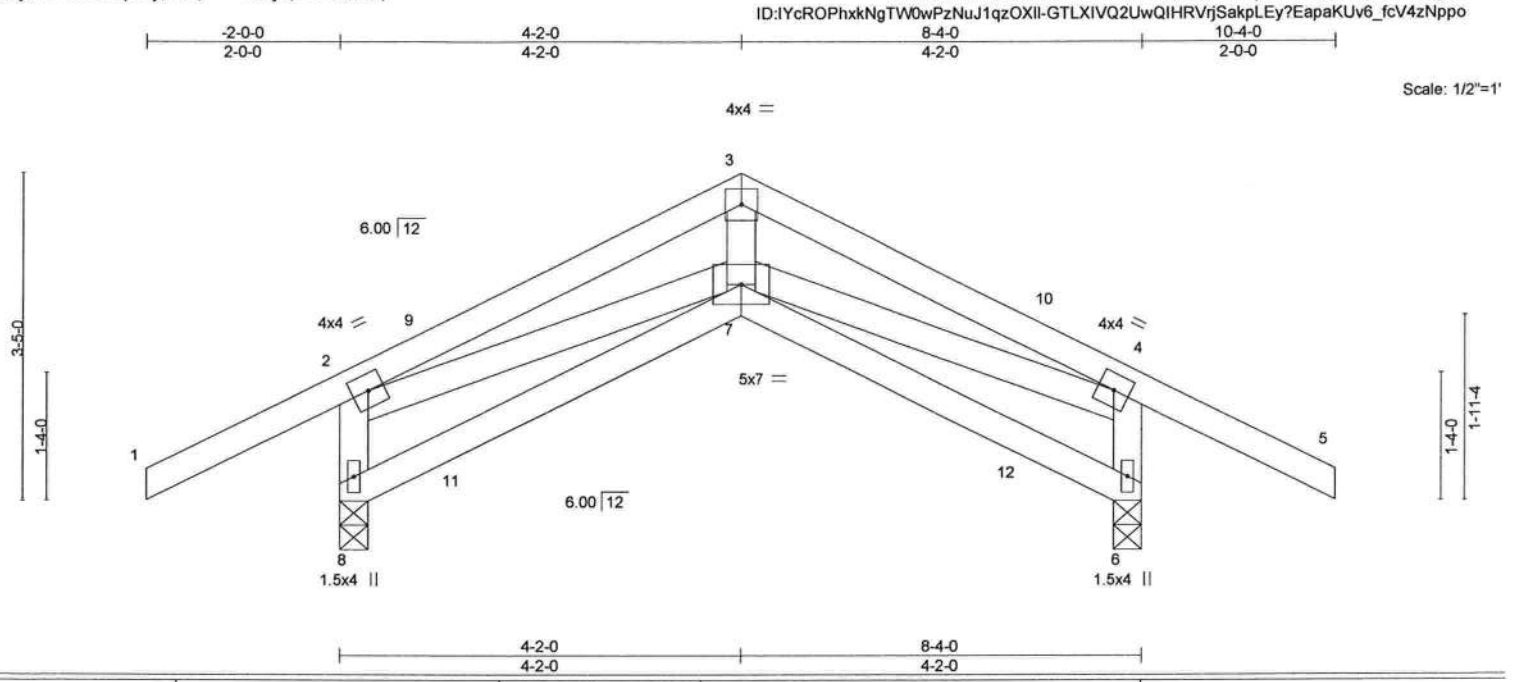

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	0.05	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.05	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 51 lb	FT = 20%

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

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

REACTIONS. (size) 8=0-3-8, 6=0-3-8
Max Horz 8=83(LC 11)
Max Uplift 8=-122(LC 12), 6=-122(LC 12)
Max Grav 8=450(LC 1), 6=450(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-410/275, 2-3=-562/351, 3-4=-562/375, 4-6=-410/315
WEBS 3-7=-210/323, 4-7=-220/451, 2-7=-193/451

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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 4-2-0, Exterior(2R) 4-2-0 to 7-2-0, Interior(1) 7-2-0 to 10-4-0 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) Bearing at joint(s) 8, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=122, 6=122.
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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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	D2	Roof Special	1	1	T23698796
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:04 2021 Page 1
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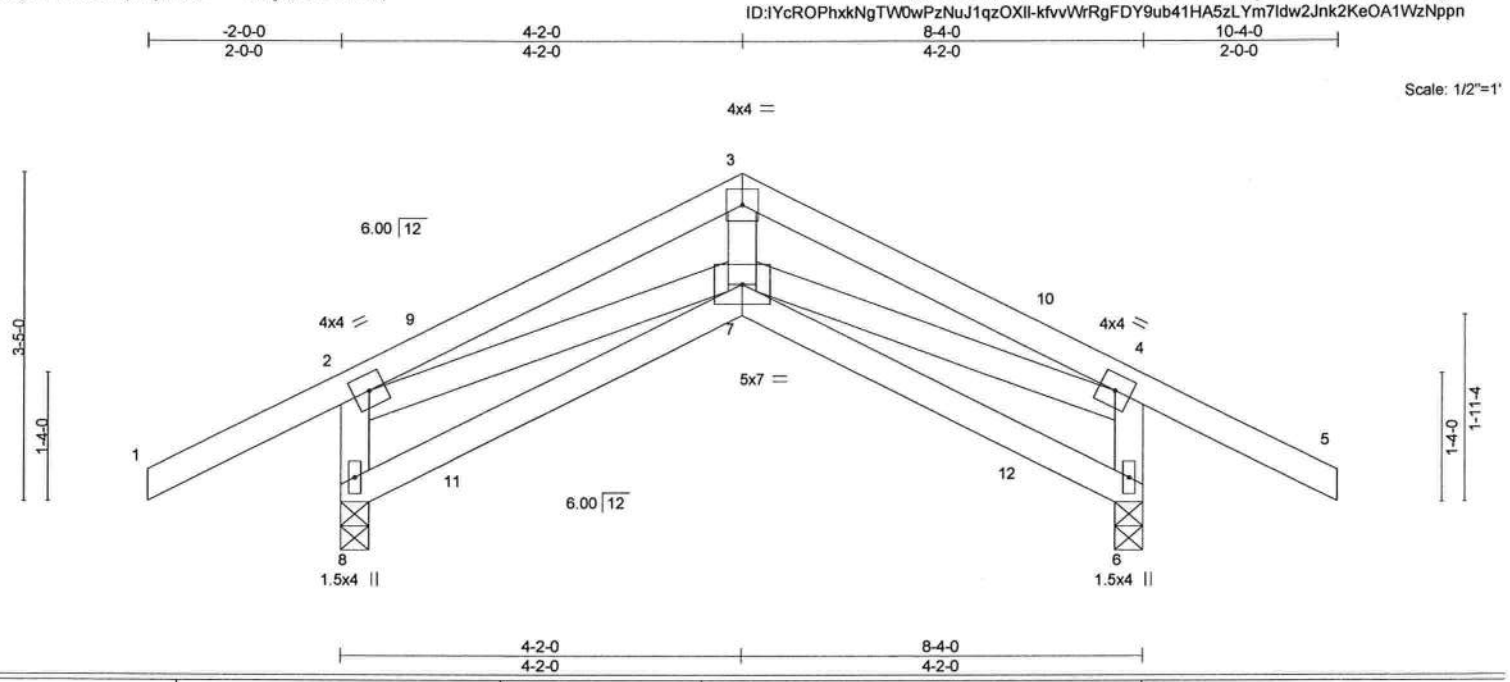

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	0.05	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.05	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 51 lb	FT = 20%

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

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

REACTIONS. (size) 8=0-3-8, 6=0-3-8
Max Horz 8=83(LC 11)
Max Uplift 8=-122(LC 12), 6=-122(LC 12)
Max Grav 8=450(LC 1), 6=450(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-410/275, 2-3=-562/351, 3-4=-562/375, 4-6=-410/315
WEBS 3-7=-210/323, 4-7=-220/451, 2-7=-193/451

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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 4-2-0, Exterior(2R) 4-2-0 to 7-2-0, Interior(1) 7-2-0 to 10-4-0 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) Bearing at joint(s) 8, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=122, 6=122.
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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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	D3	Roof Special	1	1	T23698797
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:06 2021 Page 1
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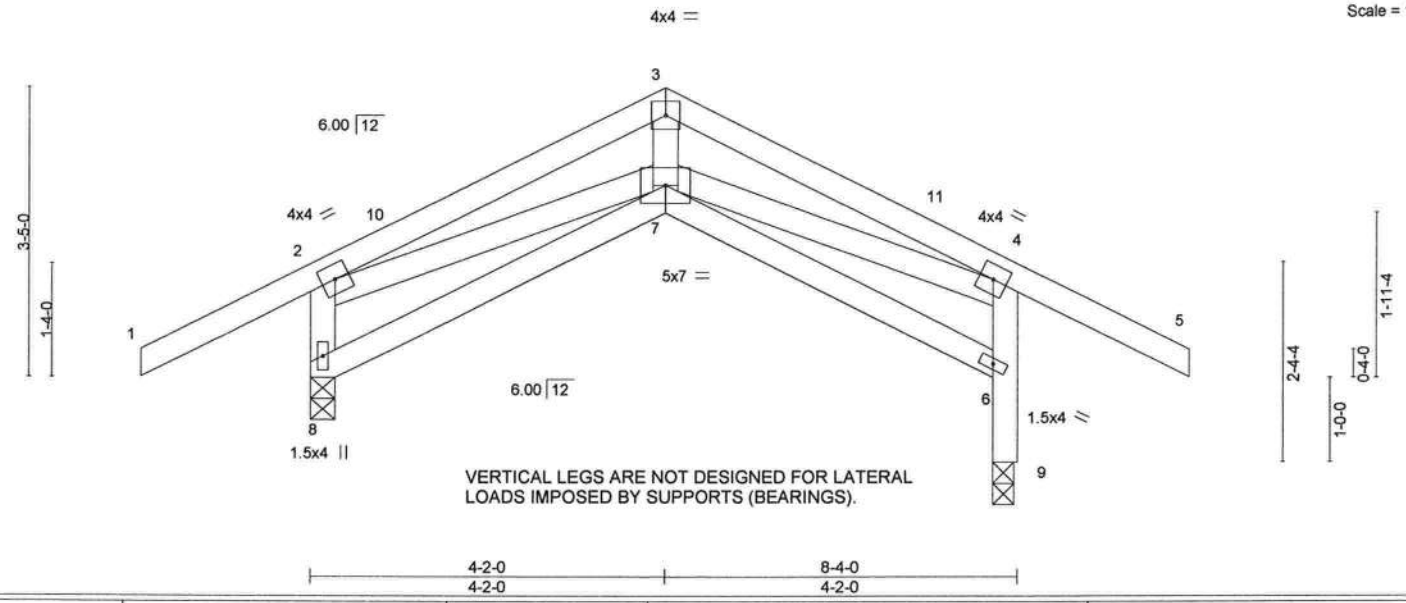

VERTICAL LEGS ARE NOT DESIGNED FOR LATERAL LOADS IMPOSED BY SUPPORTS (BEARINGS).

4-2-0 4-2-0 | 8-4-0 4-2-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.05	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03	9	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, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=0-3-8, 9=0-3-0
Max Horz 8=107(LC 11)
Max Uplift 8=-51(LC 12), 9=-54(LC 12)
Max Grav 8=450(LC 1), 9=450(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-410/207, 2-3=-564/138, 3-4=-574/160, 6-9=-450/182, 4-6=-410/227
WEBS 3-7=-14/343, 4-7=-29/492, 2-7=0/451

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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 4-2-0, Exterior(2R) 4-2-0 to 7-2-0, Interior(1) 7-2-0 to 10-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 8, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 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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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	D4	Roof Special	1	1	T23698798
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:07 2021 Page 1
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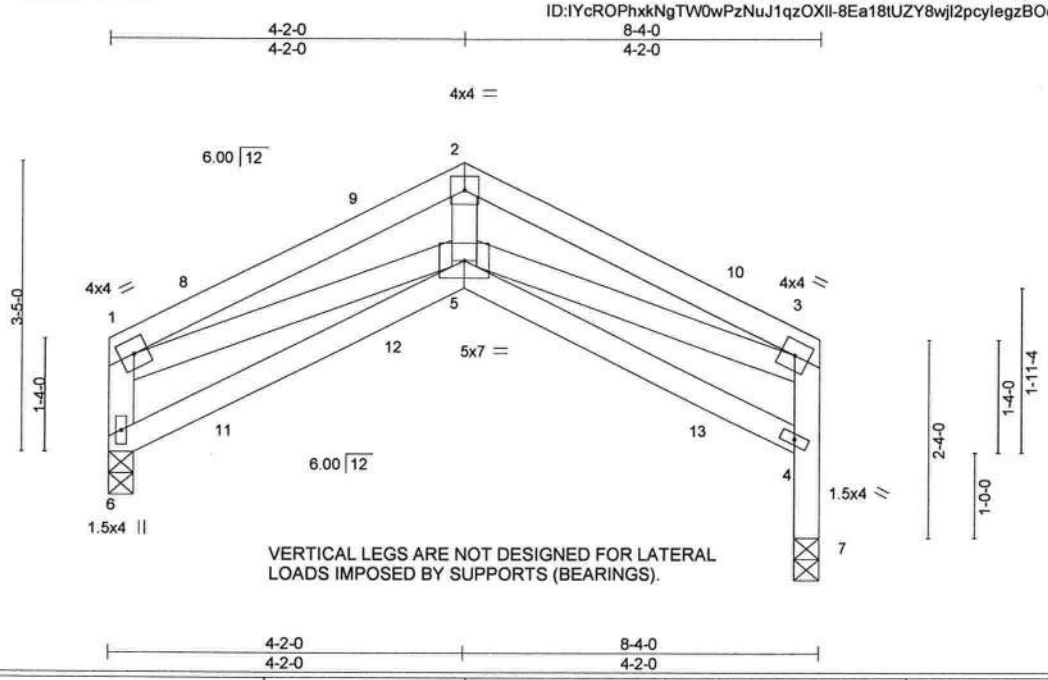

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.05	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.05	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 46 lb	FT = 20%

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

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

REACTIONS. (size) 6=0-3-8, 7=0-3-8
Max Horz 6=89(LC 11)
Max Uplift 6=-68(LC 12), 7=-71(LC 12)
Max Grav 6=322(LC 1), 7=322(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-281/236, 1-2=-670/567, 2-3=-670/584, 4-7=-322/284, 3-4=-281/216
WEBS 2-5=-358/340, 3-5=-485/573, 1-5=-441/573

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) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-2-0, Exterior(2R) 4-2-0 to 7-2-0, Interior(1) 7-2-0 to 8-2-4 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) Bearing at joint(s) 6, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 7.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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April 27,2021

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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20	T2369879
FT. White Station Lot 20	GIR2	Hip Girder	1	3	Job Reference (optional)	

Mayo Truss, Mayo, Fl

8.430 s Mar 22 2021 MiTek Industries, Inc. Tue Apr 27 16:20:57 2021 Page 1

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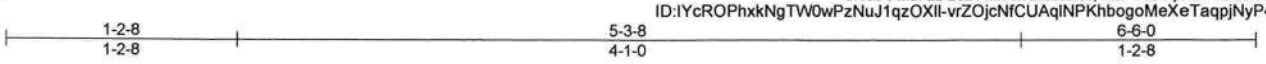

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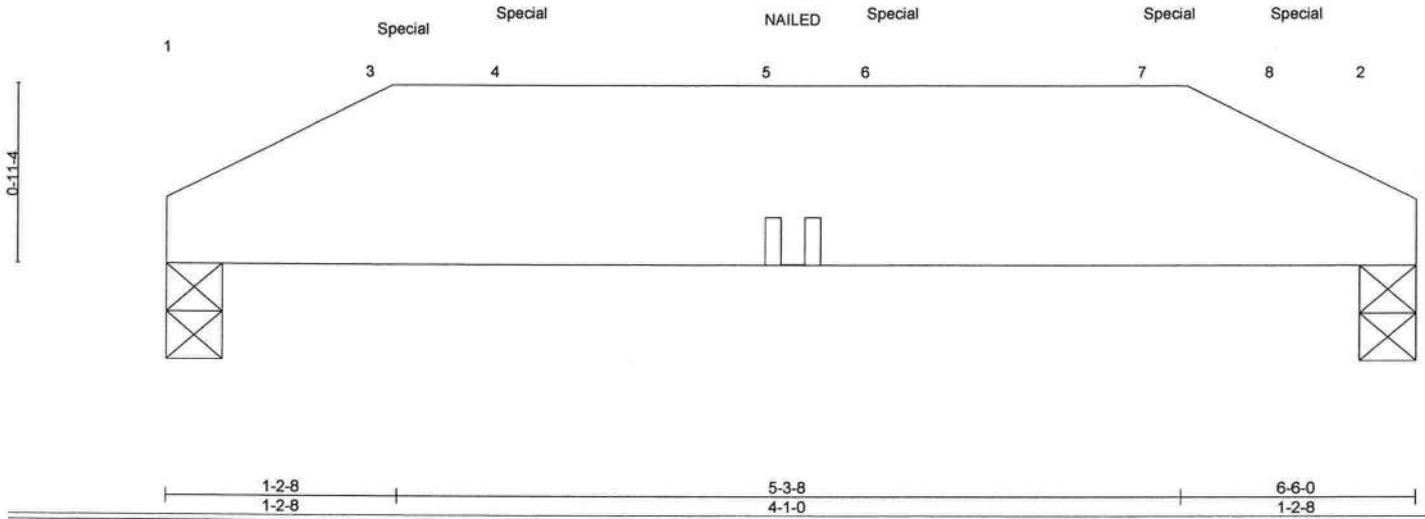

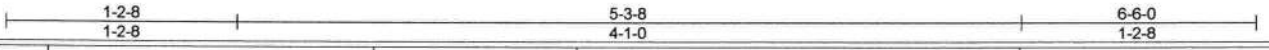

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	-0.04	1-2	>999	240		
TCDL	10.0	Lumber DOL	1.25	BC	0.00	Vert(CT)	-0.05	1-2	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 93 lb	FT = 20%

LUMBER-
TOP CHORD 2x12 SP No.2

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

REACTIONS. (lb/size) 1=2785/0-3-8, 2=2719/0-3-8
Max Uplift 1=-656(LC 4), 2=-640(LC 4)

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

NOTES-
1) 3-ply truss to be connected together as follows:
Top chords connected with 10d (0.131"x3") nails as follows: 2x12 - 2 rows staggered at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 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
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 656 lb uplift at joint 1 and 640 lb uplift at joint 2.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 120 lb down and 28 lb up at 1-2-8, 1547 lb down and 364 lb up at 1-10-4, 26 lb down and 6 lb up at 3-3-4, 3115 lb down and 733 lb up at 3-9-8, and 26 lb down and 6 lb up at 5-2-12, and 173 lb down and 41 lb up at 5-10-11 on top chord, and 120 lb up at 1-2-8, 1547 lb down at 1-10-4, 3115 lb down at 3-9-8, and 26 lb up at 5-2-12, and 173 lb down at 5-10-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-80
Concentrated Loads (lb)
Vert: 3=-120(F) 4=-1547(B) 5=-26(F) 6=-3115(B) 7=-26(F) 8=-173(B)

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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	J1	Jack-Open	29	1	T23698800
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:10 2021 Page 1
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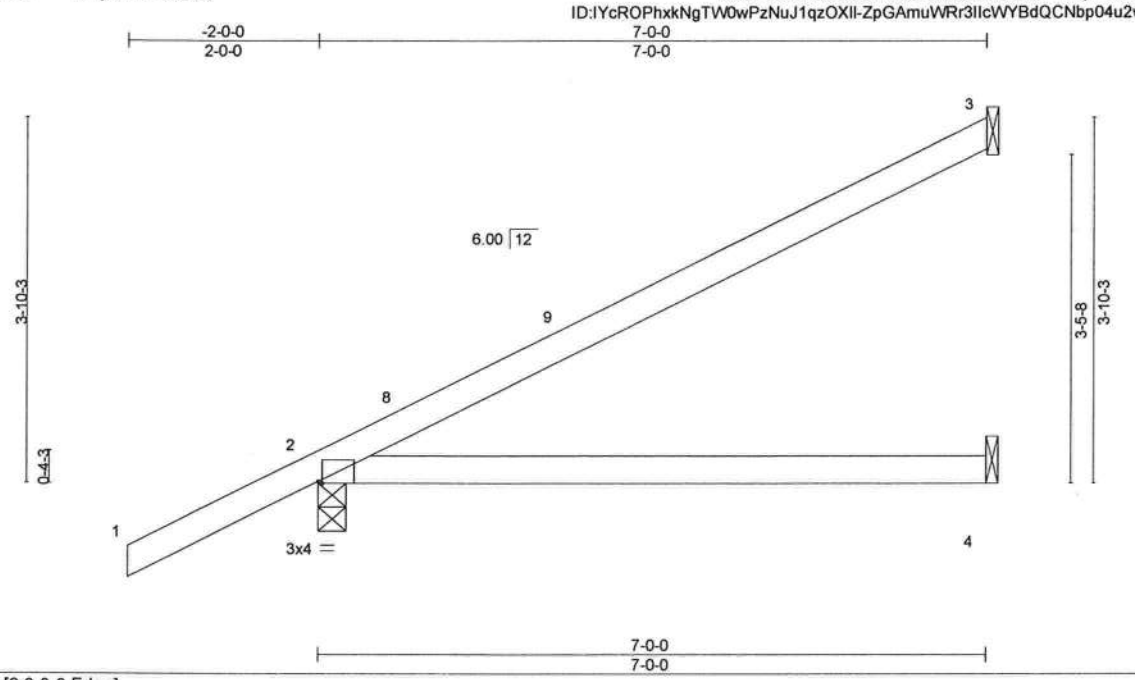

Plate Offsets (X,Y)-- [2:0-0-8,Edge]

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	0.57	Vert(LL)	-0.09	4-7	>969	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.20	4-7	>408	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: 26 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=120(LC 12)
Max Uplift 3=-42(LC 12), 2=-37(LC 12)
Max Grav 3=181(LC 1), 2=415(LC 1), 4=123(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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 6-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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	FT. White Station Lot 20
FT. White Station Lot 20	J1A	Jack-Open	7	1	T23698801
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:11 2021 Page 1
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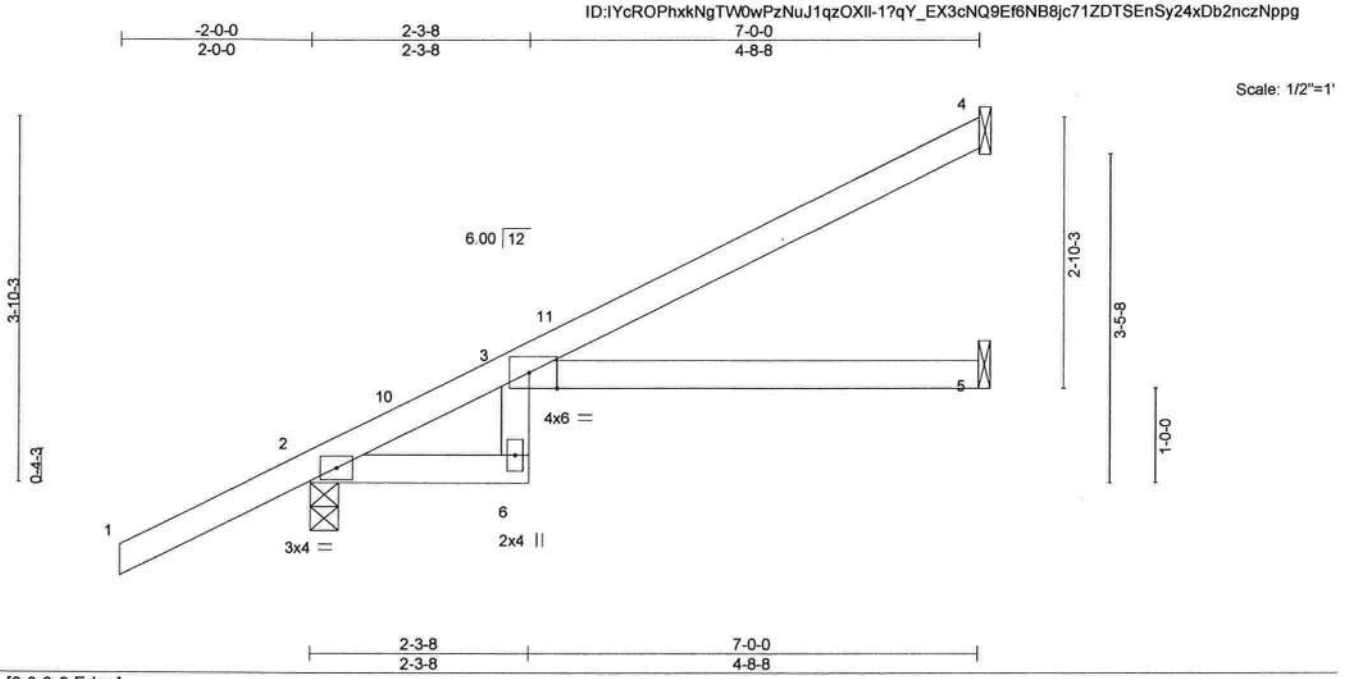


Plate Offsets (X,Y)-- [3:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	0.12	3-5	>675	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.24	3-5	>343	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.11	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 27 lb	FT = 20%

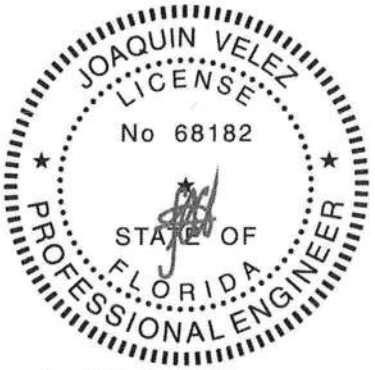
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=120(LC 12)
Max Uplift 4=-33(LC 12), 2=-37(LC 12)
Max Grav 4=168(LC 1), 2=415(LC 1), 5=118(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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 6-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 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	FT. White Station Lot 20
FT. White Station Lot 20	J1B	Jack-Open	3	1	T23698802
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:12 2021 Page 1
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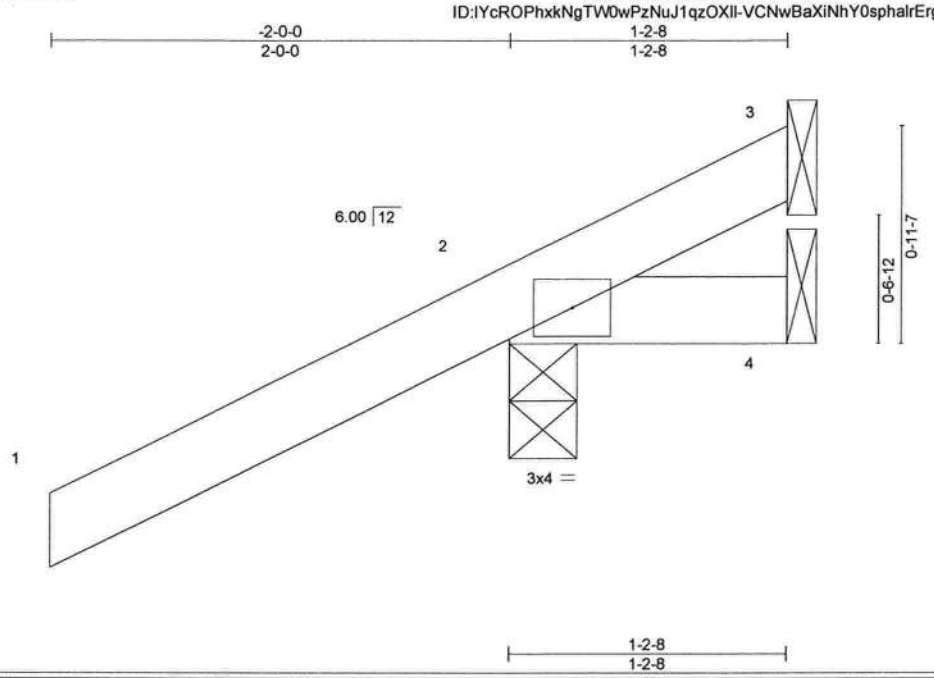


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 7 lb	FT = 20%

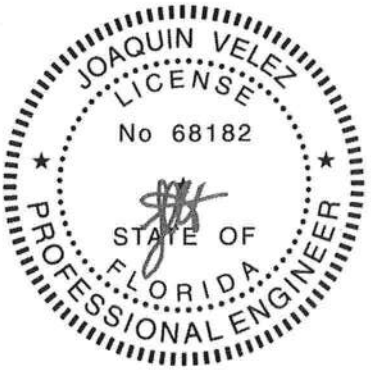
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-2-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=51(LC 12)
Max Uplift 3=-16(LC 1), 2=-101(LC 12), 4=-36(LC 1)
Max Grav 3=19(LC 12), 2=268(LC 1), 4=33(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, 4 except (jt=lb) 2=101.



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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	J2A	Jack-Open	1	1	T23698803
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:13 2021 Page 1
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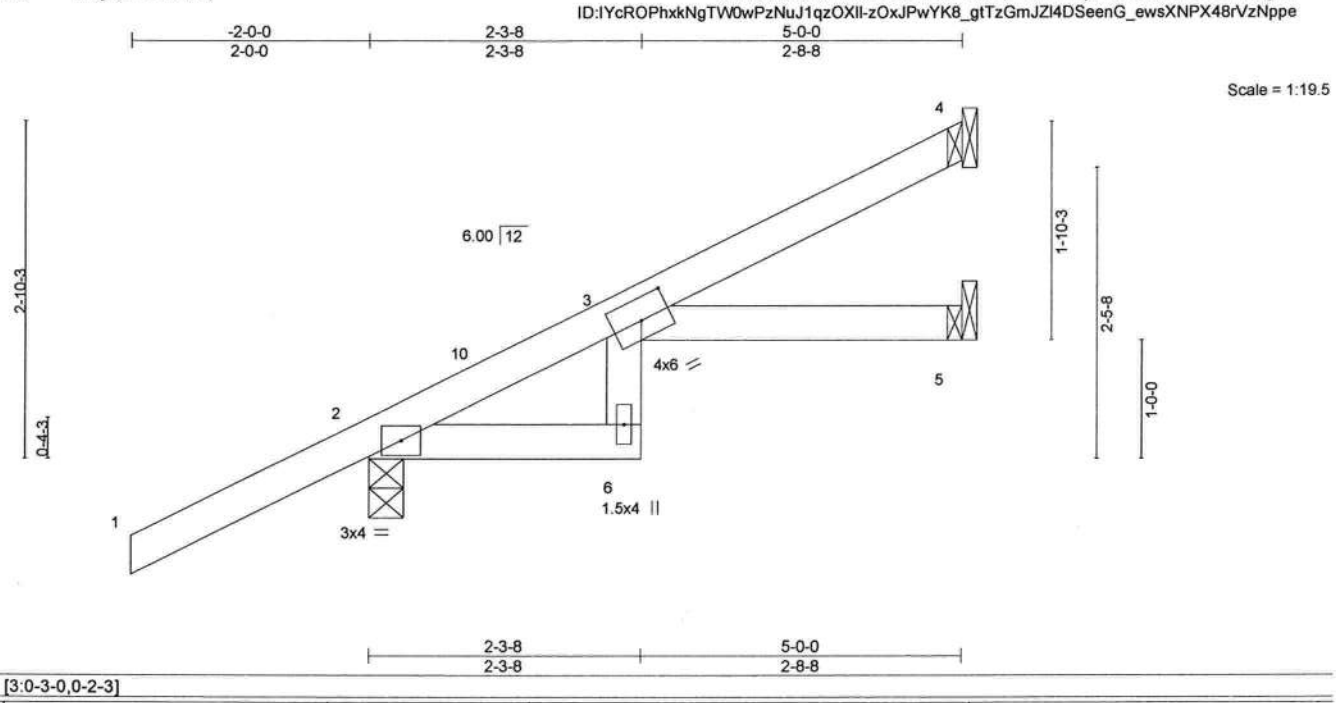


Plate Offsets (X,Y)-- [3:0-3-0,0-2-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	0.04	3	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.06	3	>955	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 21 lb	FT = 20%

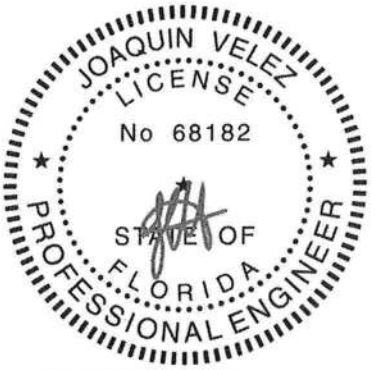
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=96(LC 12)
Max Uplift 4=-17(LC 12), 2=-47(LC 12)
Max Grav 4=107(LC 1), 2=342(LC 1), 5=81(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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 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	FT. White Station Lot 20
FT. White Station Lot 20	J2B	Jack-Open	12	1	T23698804
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:14 2021 Page 1
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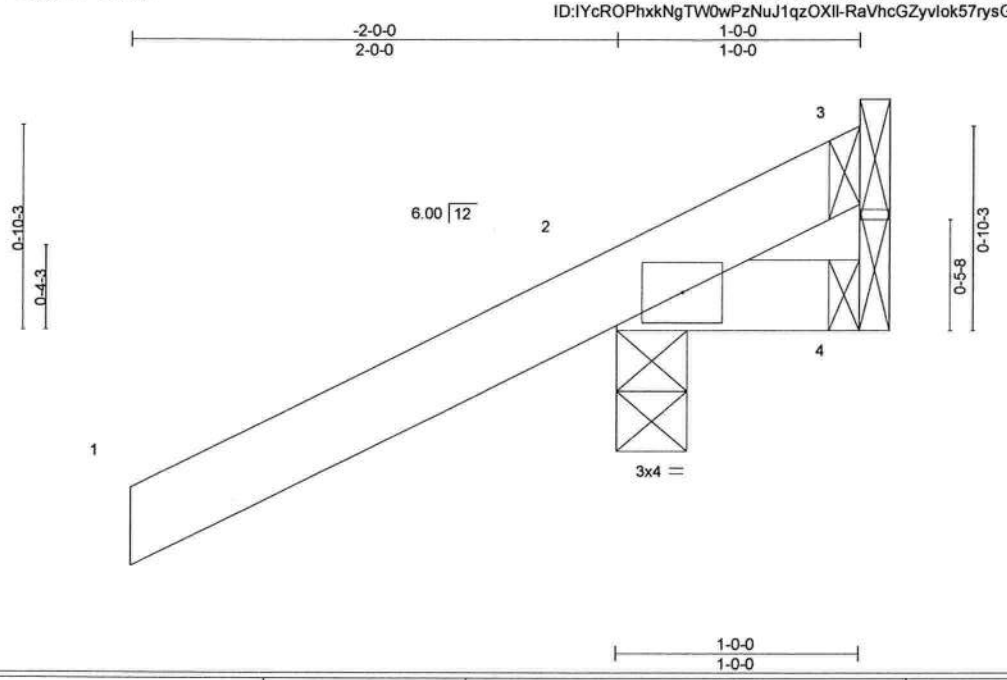

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 7 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=48(LC 12)
Max Uplift 3=-29(LC 1), 2=-113(LC 12), 4=-53(LC 1)
Max Grav 3=24(LC 12), 2=281(LC 1), 4=39(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, 4 except (jt=lb) 2=113.

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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 27,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	J3	Jack-Open	9	1	T23698805
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:15 2021 Page 1
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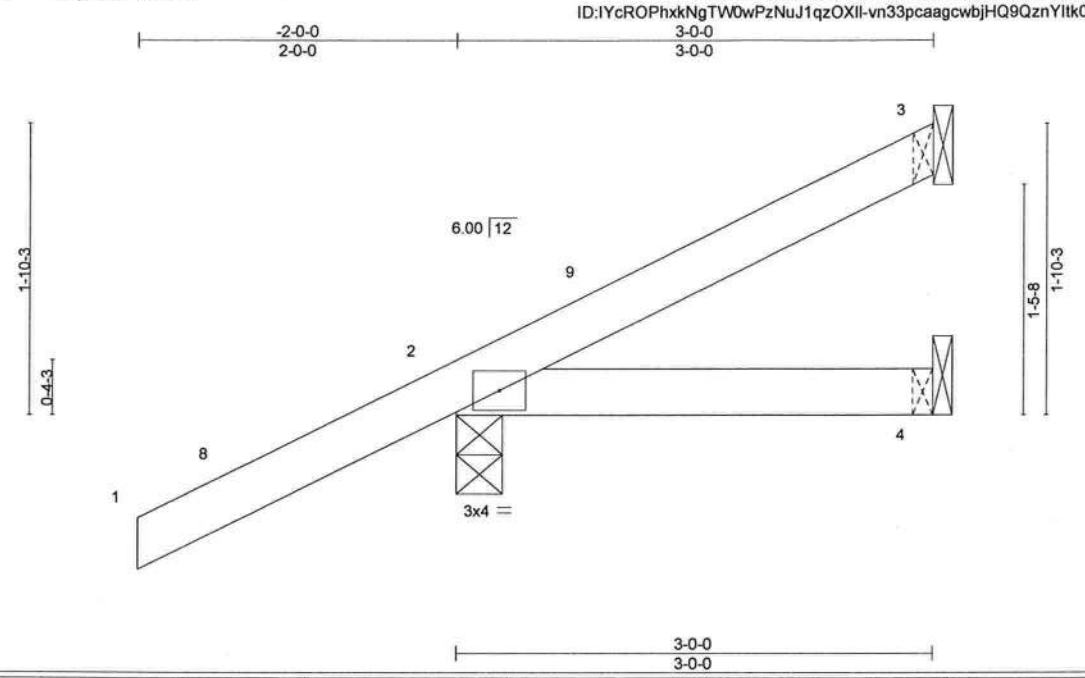

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=72(LC 12)
Max Uplift 3=-8(LC 12), 2=-63(LC 12)
Max Grav 3=57(LC 1), 2=278(LC 1), 4=47(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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 2-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.

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April 27,2021

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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	J3A	Jack-Open	1	1	T23698806
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:16 2021 Page 1
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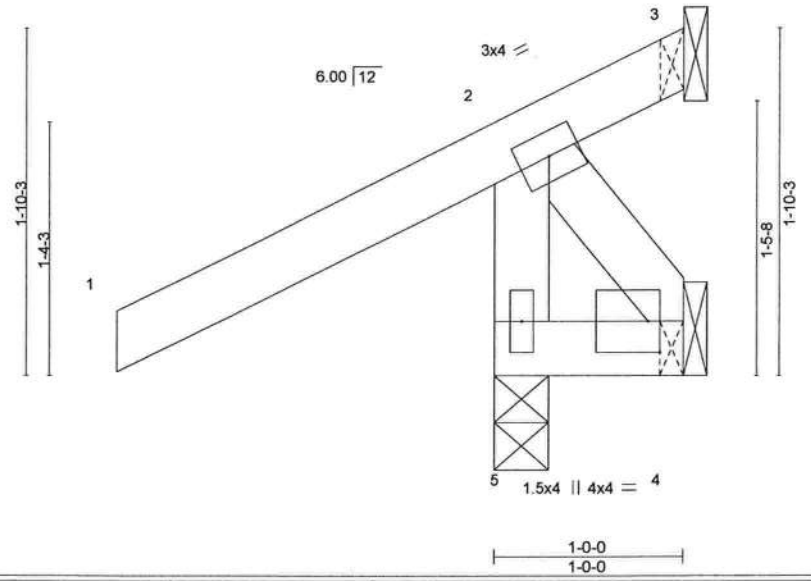

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 10 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 1-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=42(LC 11)
Max Uplift 5=-93(LC 12), 3=-139(LC 1), 4=-45(LC 12)
Max Grav 5=327(LC 1), 3=85(LC 12), 4=22(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-318/211

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) 5, 4 except (jt=lb) 3=139.

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Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	J3B	Jack-Open	1	1	T23698807
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:17 2021 Page 1
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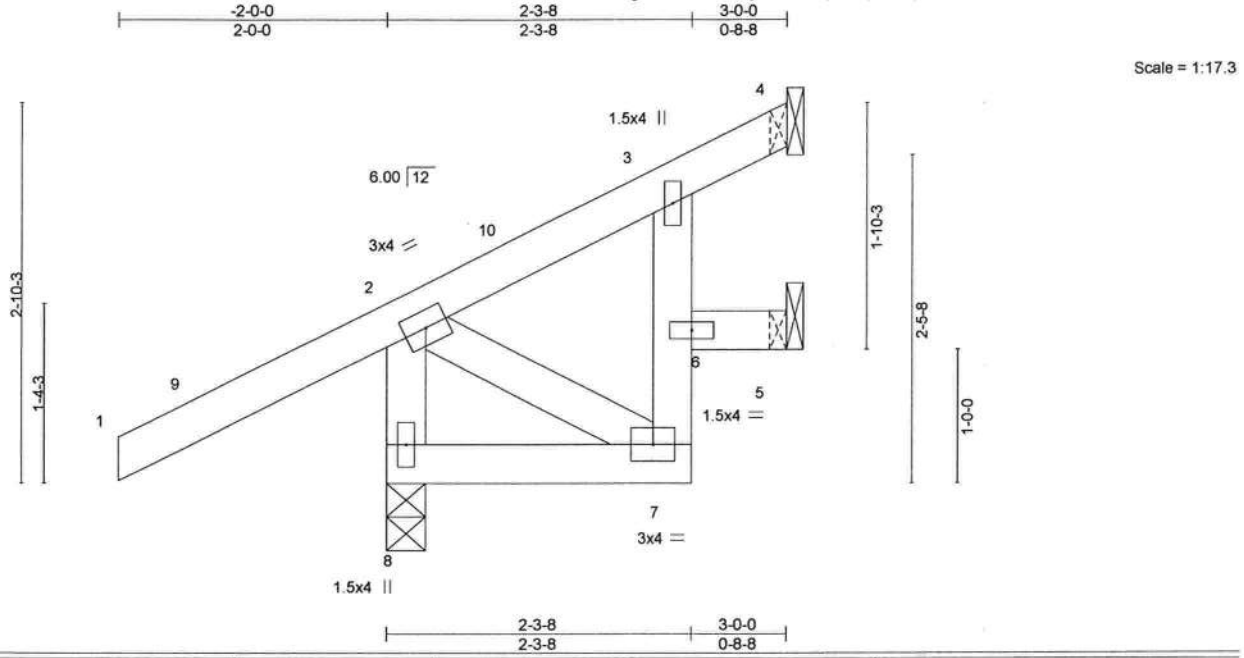

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.01	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 20 lb	FT = 20%

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

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

REACTIONS. (size) 8=0-3-8, 4=Mechanical, 5=Mechanical
Max Horz 8=95(LC 12)
Max Uplift 8=-39(LC 12), 4=-18(LC 12)
Max Grav 8=290(LC 1), 4=65(LC 17), 5=16(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-270/149

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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 2-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 4.

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April 27,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	J4	Jack-Open	7	1	T23698808
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:18 2021 Page 1
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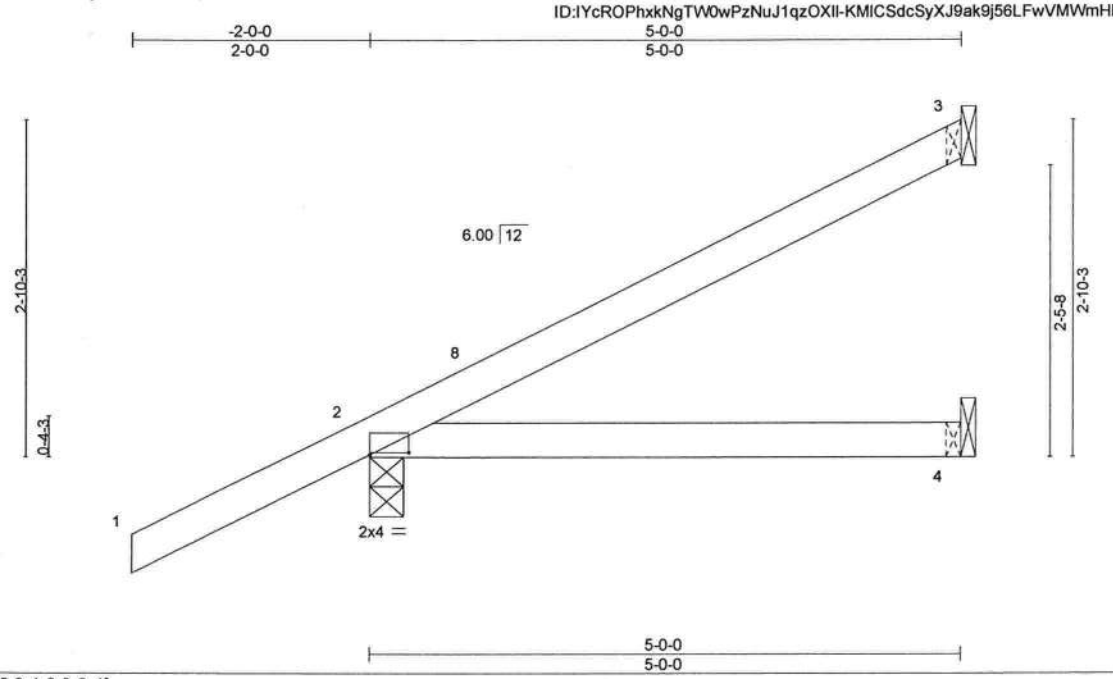

Plate Offsets (X,Y)-- [2:0-4-0,0-0-4]

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	0.26	Vert(LL)	-0.02	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 19 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=96(LC 12)
Max Uplift 3=-26(LC 12), 2=-47(LC 12)
Max Grav 3=121(LC 1), 2=342(LC 1), 4=86(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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	FT. White Station Lot 20
FT. White Station Lot 20	J4C	Jack-Open	1	1	T23698809
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 13:38:19 2021 Page 1
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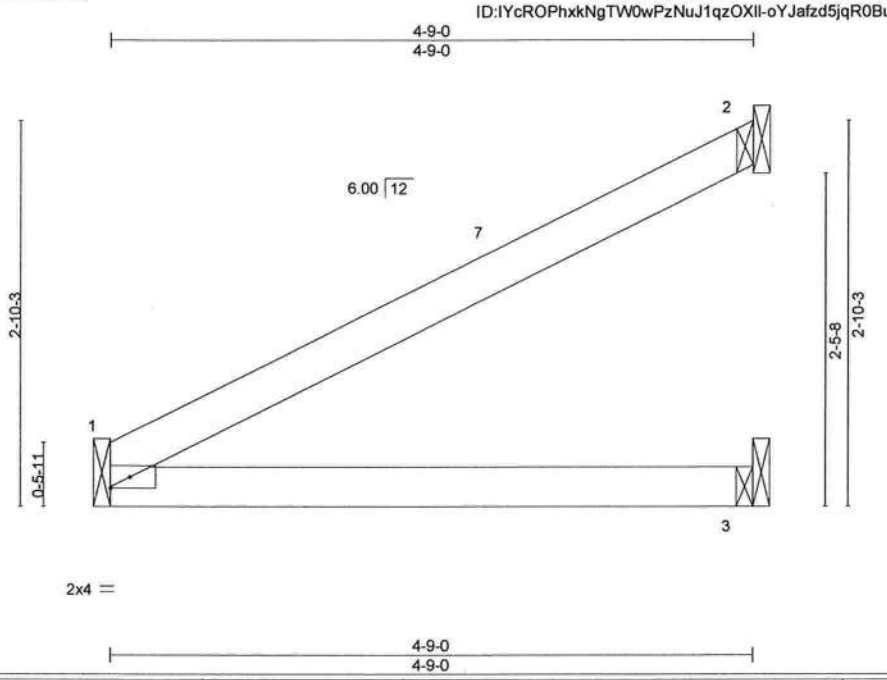

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	0.03	3-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.05	3-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 15 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) 1=Mechanical, 2=Mechanical, 3=Mechanical
Max Horz 1=56(LC 12)
Max Uplift 2=-33(LC 12)
Max Grav 1=188(LC 1), 2=128(LC 1), 3=87(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) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
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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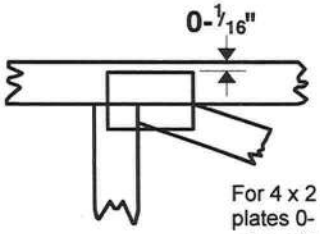
Symbols

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

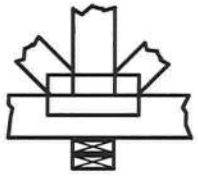
4 x 4

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

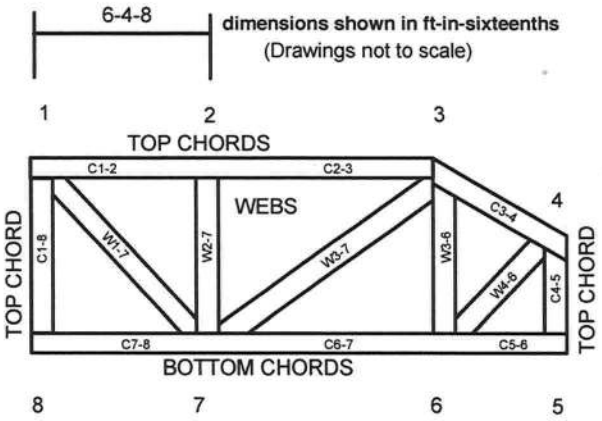


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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®

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.

Schafer Engineering LLC

14705 Main St. Alachua FL 32615

Prepared for:

DWC CONTRACTING
FORT WHITE STATION / LOT 20
FORT WHITE, FLORIDA

By:

Schafer Engineering, LLC

386-462-1340

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SCHAFER ENGINEERING, LLC

7104 NW 42ND LANE \ GAINESVILLE FL. 32606
PHONE: 386-462-1340

Trusses: Pre-engineered, pre-fabricated with the manufacturer's required bracing system installed.

Roof Sheathing: Type: OSB Size: 7/16" Fastener type nails: 8d / .113 Ring Shank
Interior zone spacing: Interior: 6" Periphery: 4"
Edge and end zone spacing: Interior: 6" Periphery: 4"

Double Top Plate: Type: Spruce Grade: #2 Size: 2 x 4 Nail Size & Spacing: 10d min" @ 8 o.c.

Stud Type: Spruce Grade: #2 Size: 2 x 4 min.
Interior stud spacing: 16" End stud spacing: 16"

Required Shear Wall Siding: Type: OSB Thickness: 7/16"
67 ft Trans: Fastener 8d/131 Spacing: Int: 8 Edge: 4"
32 ft Long: Fastener 8d/131 Spacing: Int: 8 Edge: 4"

Allowable Unit Shear on Shear Walls: 314 pounds per linear foot
Allowable Unit Shear Transferred from Diaphragm: Trans: 89 Long: 152

Wall Tension Transferred by: Siding Nails: 8d/131 @ 4" O.C. Edges

Foundation Anchor Bolts: Concrete Strength: 3000 psi Size: 1/2"
Washer: 2" Embedment: 7" Location of first anchor bolt from corner: 8"
Anchor Bolts @ 48" o.c. Model: A307 Loc. from corner: 8"
Type of Foundation: (1) - #5 rebar continuous required in bond beam.
Floor Slab: 4" Cmu size: 8" x 16" Height: 48" Rein.: #5 at 72" o.c.
Monolithic Footing: Depth: 20" Bottom Width: 12 Rein.: 2 #5 rebars

Stemwall Footing: Width: 20 Depth: 10 Rein.: 2 #5 rebar
Interior Footings 20" Wide X 12" Deep with 2-#5 rebar continuous

Porch Columns: 6 X 6 X 9' syp #2 pt @ 9'-4" o.c. max. spacing
Column Fasteners: Simpson PC66 \ PBS66 or equal

Special Comments: Install 2 ply 2 x 12 syp #2 with 7/16" osb flitch beam over all doors and windows.
Install (2) ply 1.75" X 11.25" deep LVL for rear 14'-8" porch header.

Notes:
1. Balloon frame all gable ends unless accompanied by gable end detail
2. All walls to be nailed with same nailing pattern as the shear walls.
3. This wind load is not valid without a raised, embossed seal. (NO COPIES).
4. 1500 psf soil bearing pressure minimum.
5. Fiber mesh or WWM may be used in concrete slab. All steel must be grade 40 min. Install standard 10" ACI hook top and bottom.
6. Trusses must be installed and anchored in accordance to the truss engineering.
7. This is a windload only. Not a structural analysis. Schafer Engineering strongly recommends always having a structural analysis.
8. The foundation is for minimum design use, and may be increased.
9. Wind load is for one use only \ FBC-2020 \ No copies permitted
10. Install anchor bolts a 48" o.c., & Simpson SP1 at bottom plate and Simpson SP2 at top plate or equal @ 32" O.C. for all interior bearing walls.
11. Truss company to use all exterior porch walls for bearing when possible.
12. If soil conditions in this project do not meet or exceed the min. 1500 psf soil bearing capacity, the contractor is required to contact Schafer Engineering prior to the foundation pour for verification of the foundation design The soil is to be compacted to at least 95% of max. dry density as determined by ASTM-1557 (modified proctor)

5-11-21

Bruce Schafer, P. E. #48984
7104 NW 42ND LN
GAINESVILLE, FL. 32606

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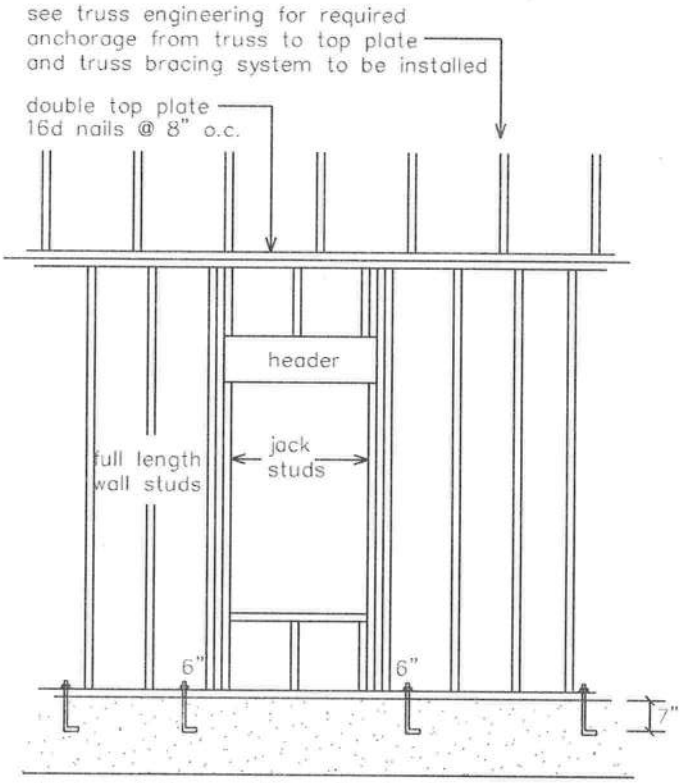

total each truss uplift on the header and divide by two for the top and bottom header anchorages.

TABLE R602.7.5
MINIMUM NUMBER OF FULL HEIGHT STUDS
AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (feet)	MAXIMUM STUD SPACING (inches) (per Table R602.3(5)]	
	16	24
≤ 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

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TIE-DOWN TABLES

HEADER STRAPPING				
Uplift Lbs	Top Connector	Rating Lbs	Bottom Connector	Rating Lbs
to 455	LSTA9	635	H3	320
to 910	LSTA12	795	2-H3	640
to 1265	LSTA18	1110	LTT19	1305
to 1750	2-LSTA12	1810	LTT20	1750
to 2530	2-LSTA18	2530	HD2A-2.5	2165
to 2865	3-LSTA18	3255	HD2A-3.5	2565
to 3700	3-LSTA24	3880	HD5A-3	3130
Total the uplift for each truss sitting on the header and divide by 2 to determine the uplift on the header. Use proper bolt anchors sufficient to support required uplift loads.				

TRUSSES \ GIRDERS			
Uplift Lbs	Top Connector	Bottom Connector	Rating Lbs
to 535	H2.5A	NA	
to 1015	H10A	NA	
to 1215	TS22	LTT19	1305
to 1750	2-TS22	LTT20	1750
to 2570	2-TS22	HD2A	2565
to 3665	3-TS22	HD5A	3645
to 5420	2-MST37	HTT22	5250
to 9660	2-MST60	HD10A	8160
Two 12d common toenials are required per truss for each bearing point into top plate. It is the contractors responsibility to provide a continuous load path from truss to foundation.			

	TOP CONNECTOR	RATING LBS	BOTTOM CONNECTOR	RATING LBS
BEAM SEATS	LSTA18	1110	LTT19	1305
POSTS	2-LSTA18	2220	ABU44	2200

1. Simpson or equivlent hardware may be used. For nailing into spruce members, multiply table values by .86
2. See truss engineering for anchor uplift values.
3. This schedule is not meant to be a replacement to the specified values of any manufactures values.

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	135	mph
Structural Category	II	
Exposure	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	40	Deg
Type of Roof	Hipped	
Eave Height (Eht)	9.00	ft
Ridge Height (RHt)	20.17	ft
Mean Roof Height (Ht)	14.59	ft
Width Perp. to Wind (B)	62.50	ft
Width Parallel to Wind (L)	54.17	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters		
Type of Structure		
Height/Least Horizontal Dim	0.27	
Flexible Structure	No	

Calculated Parameters		
Importance Factor	1	
Non-Hurricane, Hurricane (v=85-100 mph) & Alaska		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
Izm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(zm/33)^Epsilon	309.99	ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.8901	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8602	
Gust Factor Category III: Flexible or Dynamically Sensitive Structures			
Vhref	V*(5280/3600)	198.00	ft/s
Vzm	bm*(zm/33)^Am*Vhref	87.00	ft/s
NF1	NatFreq*Lzm/Vzm	3.56	Hz
Rn	(7.47*NF1)/(1+10.302*NF1)^1.667	0.0627	
Nh	4.6*NatFreq*Ht/Vzm	0.77	
Nb	4.6*NatFreq*B/Vzm	3.30	
Nd	15.4*NatFreq*Depth/Vzm	9.59	
Rh	1/Nh-(1/(2*Nh^2)*(1-Exp(-2*Nh)))	0.6357	
Rb	1/Nb-(1/(2*Nb^2)*(1-Exp(-2*Nb)))	0.2569	
Rd	1/Nd-(1/(2*Nd^2)*(1-Exp(-2*Nd)))	0.0989	
RR	((1/Beta)*Rn*Rh*Rb*(0.53+0.47*Rd))^0.5	0.7685	
gg	+(2*LN(3600*n1))^0.5+0.577/(2*LN(3600*n1))^0.5	4.19	
Gust3	0.925*((1+1.7*Izm*(3.4^2*Q^2+GG^2*RR^2)^0.5)/(1+1.7*3.4*Izm))	1.10	

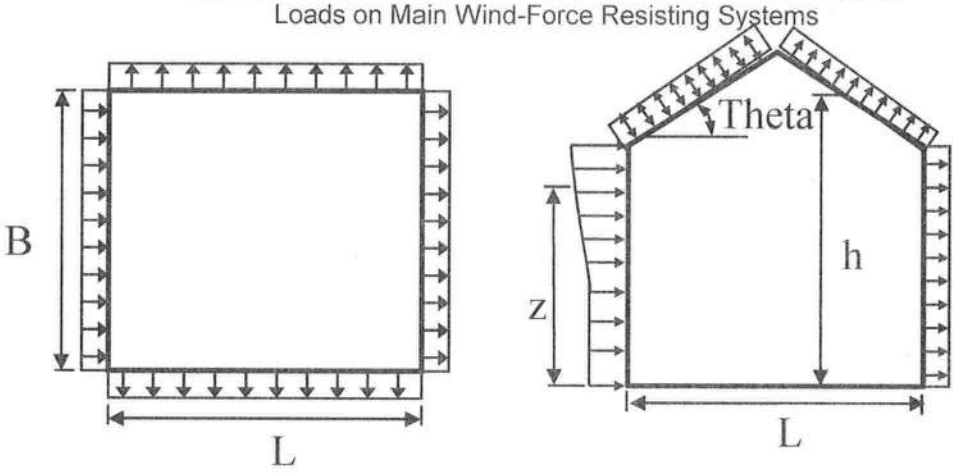
Gust Factor Summary			
Main Wind-force resisting system:		**Components and Cladding:**	
Gust Factor Category:	I	Gust Factor Category:	I
Gust Factor (G)	0.86	Gust Factor (G)	0.86

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev. ft	Kz	Kzt	Kd 1.00	qz lb/ft^2	Pressure (lb/ft^2) Windward Wall* +GCpi	-GCpi
20.17	0.70	1.00	1.00	32.69	17.67	27.32
20	0.70	1.00	1.00	32.69	17.67	27.32
15	0.70	1.00	1.00	32.69	17.67	27.32

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	2.01*(15/zg)^(2/Alpha)	0.57	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	.00256*(V)^2*ImpFac*Kh*Kht*Kd	26.81	psf

Wall Pressure Coefficients, Cp	
Surface	**Cp**
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.80

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Description	Cp	Pressure (psf) +GCpi	-GCpi
Leeward Walls (Wind Dir Parallel to 62.5 ft wall)	-0.50	-16.36	-6.71
Leeward Walls (Wind Dir Parallel to 54.17 ft wall)	-0.47	-15.65	-6.00
Side Walls	-0.70	-20.97	-11.32
Roof - Normal to Ridge (Theta>=10)			
Windward - Max Negative	0.00	0.00	0.00
Windward - Max Positive	0.00	0.00	0.00
Leeward Normal to Ridge	-0.60	-18.67	-9.01
Overhang Top	0.00	0.00	0.00
Overhang Bottom	0.80	0.69	0.69
Roof - Parallel to Ridge (All Theta)			
Dist from Windward Edge: 0 ft to 7.295 ft	-0.90	-25.58	-15.93
Dist from Windward Edge: 7.295 ft to 14.59 ft	-0.90	-25.58	-15.93
Dist from Windward Edge: 14.59 ft to 29.18 ft	-0.50	-16.36	-6.71
Dist from Windward Edge: > 29.18 ft	-0.30	-11.75	-2.09

* Horizontal distance from windward edge

Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	26.81

Case A						
Surface	**GCpf**	**+GCpi**	**-GCpi**	**qh (psf)**	**Min P (psf)**	**Max P (psf)**
1	0.56	0.18	-0.18	32.69	12.42	24.19
2	0.21	0.18	-0.18	32.69	0.98	12.75
3	-0.43	0.18	-0.18	32.69	-19.94	-8.17
4	-0.37	0.18	-0.18	32.69	-17.98	-6.21
5	0.00	0.18	-0.18	32.69	-5.88	5.88
6	0.00	0.18	-0.18	32.69	-5.88	5.88
1E	0.69	0.18	-0.18	32.69	16.67	28.44
2E	0.27	0.18	-0.18	32.69	2.94	14.71
3E	-0.53	0.18	-0.18	32.69	-23.21	-11.44
4E	-0.48	0.18	-0.18	32.69	-21.57	-9.81
5E	0.00	0.18	-0.18	32.69	-5.88	5.88
6E	0.00	0.18	-0.18	32.69	-5.88	5.88

* p = qh * (GCpf - GCpi)

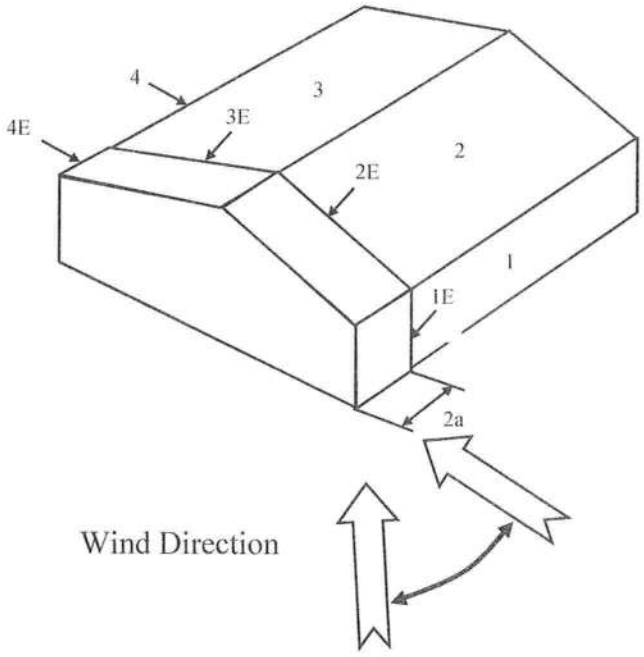


Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	26.81

Case B						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	-0.45	0.18	-0.18	32.69	-20.59	-8.83
2	-0.69	0.18	-0.18	32.69	-28.44	-16.67
3	-0.37	0.18	-0.18	32.69	-17.98	-6.21
4	-0.45	0.18	-0.18	32.69	-20.59	-8.83
5	0.40	0.18	-0.18	32.69	7.19	18.96
6	-0.29	0.18	-0.18	32.69	-15.36	-3.60
1E	-0.48	0.18	-0.18	32.69	-21.57	-9.81
2E	-1.07	0.18	-0.18	32.69	-40.86	-29.09
3E	-0.53	0.18	-0.18	32.69	-23.21	-11.44
4E	-0.48	0.18	-0.18	32.69	-21.57	-9.81
5E	0.61	0.18	-0.18	32.69	14.06	25.82
6E	-0.43	0.18	-0.18	32.69	-19.94	-8.17

* p = qh * (GCpf - GCpi)

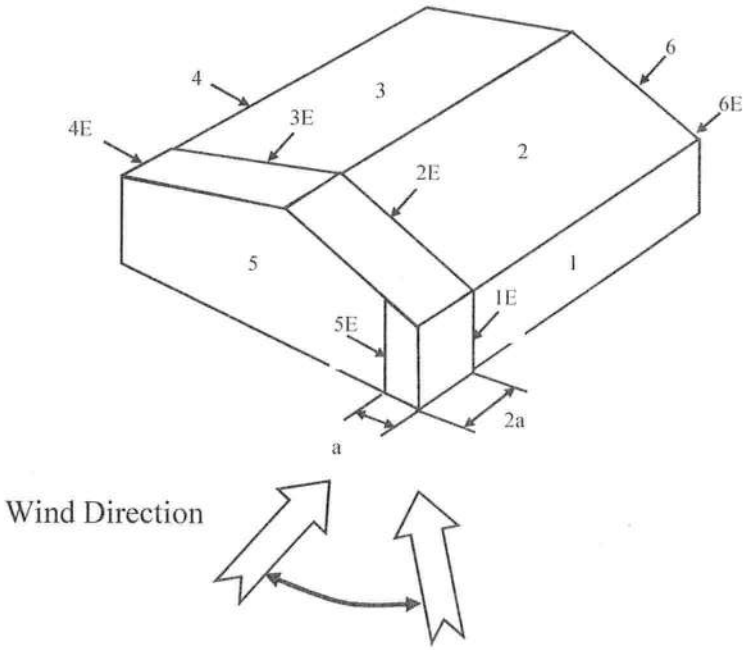
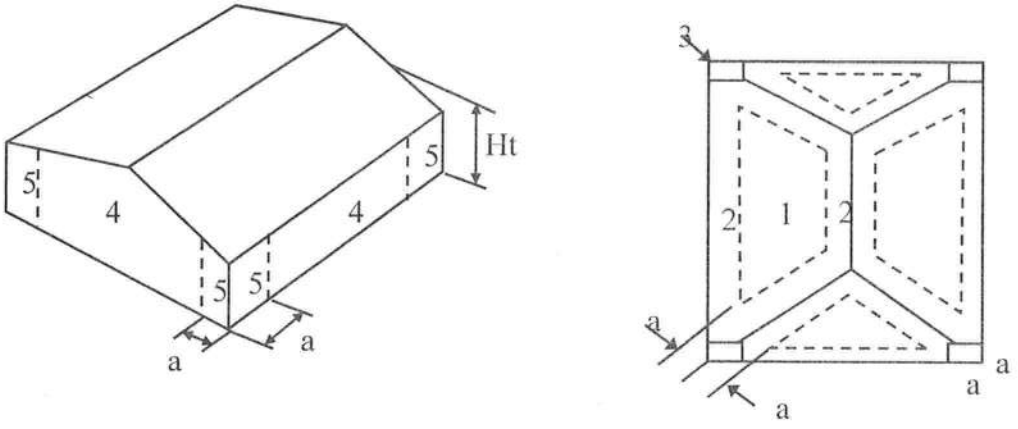


Figure 6-5 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft



Hipped Roof
10 < Theta <= 30

a = 5.417 ==> 5.42 ft

Component	Width (ft)	Length (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2)	
					Max	Min	Max	Min
	16	7	112.00	5	0.81	-1.03	26.67	-32.43
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
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	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**