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

RE: 1580_Model - 1580 Model

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

Site Information:

Customer Info: Adam's Construction Project Name: .. Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Lake City State: Fl

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 33 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T19918405	A1GIR	4/7/20	23	T19918427	B6	4/7/20
2	T19918406	A2	4/7/20	24	T19918428	C1GE	4/7/20
3	T19918407	A3	4/7/20	25	T19918429	C2	4/7/20
4	T19918408	A4	4/7/20	26	T19918430	C3GIR	4/7/20
5	T19918409	A5	4/7/20	27	T19918431	CJ1	4/7/20
6	T19918410	A6	4/7/20	28	T19918432	J1	4/7/20
7	T19918411	A7	4/7/20	29	T19918433	J1A	4/7/20
8	T19918412	A8	4/7/20	30	T19918434	J1B	4/7/20
9	T19918413	A9	4/7/20	31	T19918435	J2	4/7/20
10	T19918414	A10	4/7/20	32	T19918436	J3	4/7/20
11	T19918415	A11	4/7/20	33	T19918437	J4	4/7/20
12	T19918416	A12	4/7/20				
13	T19918417	A13	4/7/20				
14	T19918418	A14	4/7/20				
15	T19918419	A15	4/7/20				
16	T19918420	A16	4/7/20				
17	T19918421	A17GIR	4/7/20				
18	T19918422	B1GE	4/7/20				
19	T19918423	B2	4/7/20				
20	T19918424	B3GE	4/7/20				
21	T19918425	B4	4/7/20				
22	T19918426	B5	4/7/20				

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: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2021.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: April 7,2020

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

Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	A1GIR	Roof Special Girder	1	2	T19918405

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:25 2020 Page 1

ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-MNbkxFsV60u6UNnrbLakHcATQO9EHRnZ8aHltUzT2Ea

1-6-0	7-0-0	13-0-14	19-0-0	24-11-2	31-0-0	32-7-0	38-0-0
1-6-0	7-0-0	6-0-14	5-11-2	5-11-2	6-0-14	1-7-0	5-5-0

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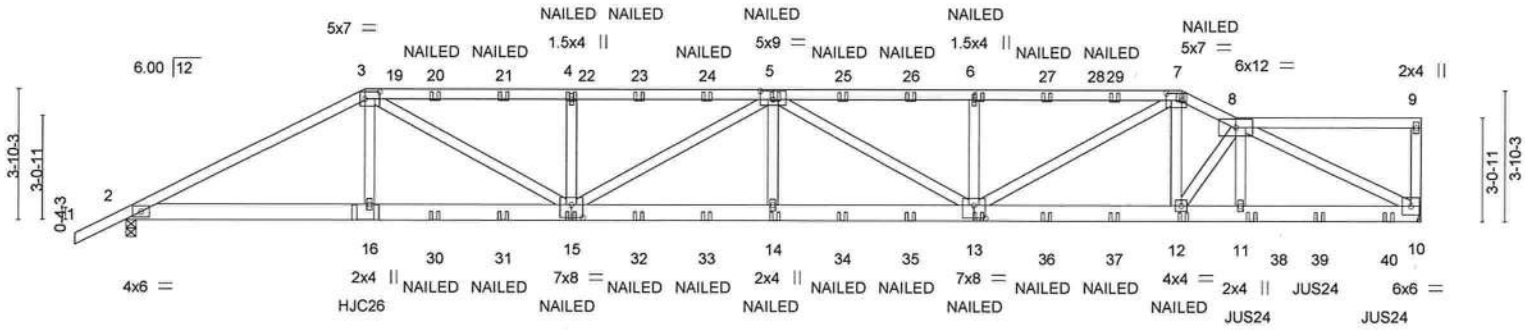

7-0-0	13-0-14	19-0-0	24-11-2	31-0-0	32-7-0	38-0-0
7-0-0	6-0-14	5-11-2	5-11-2	6-0-14	1-7-0	5-5-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.93	Vert(LL)	-0.32	14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.64	14	>710	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.14	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 460 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 3-5,5-7: 2x4 SP No.1
BOT CHORD 2x6 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 or 10-0-0 oc bracing.

REACTIONS. (size) 10=Mechanical, 2=0-3-8
Max Horz 2=105(LC 7)
Max Uplift 10=-52(LC 8), 2=-11(LC 8)
Max Grav 10=3456(LC 1), 2=3158(LC 1)

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

TOP CHORD 2-3=-6439/0, 3-4=-8393/42, 4-5=-8393/42, 5-6=-8315/101, 6-7=-8315/101, 7-8=-6163/87
BOT CHORD 2-16=0/5684, 15-16=0/5712, 14-15=-10/9250, 13-14=-10/9250, 12-13=-14/5564, 11-12=-41/5715, 10-11=-41/5730
WEBS 3-16=0/762, 3-15=-84/3161, 4-15=-791/181, 5-15=-1014/46, 5-14=0/510, 5-13=-1124/0, 6-13=-778/182, 7-13=-18/3211, 7-12=0/654, 8-12=-330/43, 8-11=-53/300, 8-10=-6310/71

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; 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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 2.
10) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 7-0-6 from the left end to connect truss(es) to front face of bottom chord.
11) Use USP JUS24 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 33-0-12 from the left end to 37-0-12 to connect truss(es) to front face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.

Continued on page 2

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Date: April 7,2020

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NOTES-

13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 228 lb down and 138 lb up at 7-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-60, 3-7=-60, 7-8=-60, 8-9=-60, 2-10=-20

Concentrated Loads (lb)

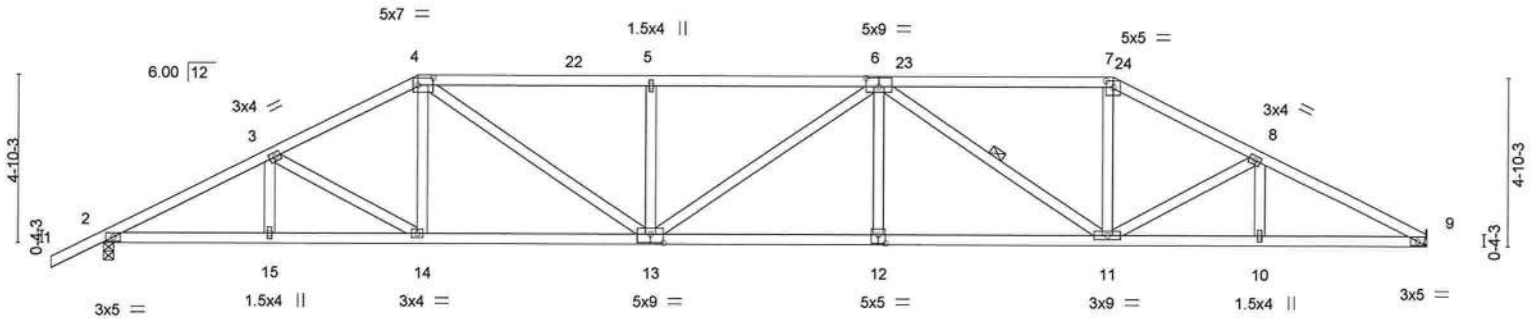
Vert: 3=-181(F) 7=-125(F) 16=-361(F) 15=-62(F) 4=-125(F) 5=-125(F) 14=-62(F) 13=-62(F) 6=-125(F) 12=-62(F) 20=-125(F) 21=-125(F) 23=-125(F) 24=-125(F) 25=-125(F) 26=-125(F) 27=-125(F) 29=-125(F) 30=-62(F) 31=-62(F) 32=-62(F) 33=-62(F) 34=-62(F) 35=-62(F) 36=-62(F) 37=-62(F) 38=-233(F) 39=-233(F) 40=-235(F)

Job	Truss	Truss Type	Qty	Ply	1580 Model	T19918406
1580_Model	A2	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:26 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-qa979bt8tK0z6WM1935zqpjjXoXz00jjME1rQwzT2EZ

-1-6-0	4-9-4	9-0-0	15-8-9	22-3-7	29-0-0	33-2-12	38-0-0
1-6-0	4-9-4	4-2-12	6-8-9	6-6-13	6-8-9	4-2-12	4-9-4

Scale = 1:66.3



4-9-4	9-0-0	15-8-9	22-3-7	29-0-0	33-2-12	38-0-0
4-9-4	4-2-12	6-8-9	6-6-13	6-8-9	4-2-12	4-9-4

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

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	0.58	Vert(LL)	-0.25	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.51	12-13	>886	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.16	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 199 lb	FT = 0%

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 6-11

REACTIONS. (size) 9=Mechanical, 2=0-3-8
Max Horz 2=92(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 9=1518(LC 1), 2=1612(LC 1)

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

TOP CHORD	2-3=-2974/634, 3-4=-2640/598, 4-5=-3128/730, 5-6=-3128/730, 6-7=-2348/577, 7-8=-2649/602, 8-9=-3001/649
BOT CHORD	2-15=-501/2609, 14-15=-501/2609, 13-14=-377/2323, 12-13=-540/3131, 11-12=-540/3131, 10-11=-517/2636, 9-10=-517/2636
WEBS	3-14=-345/141, 4-14=-2/360, 4-13=-195/1052, 5-13=-417/189, 6-12=0/266, 6-11=-1034/191, 7-11=-116/841, 8-11=-368/156

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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 7,2020

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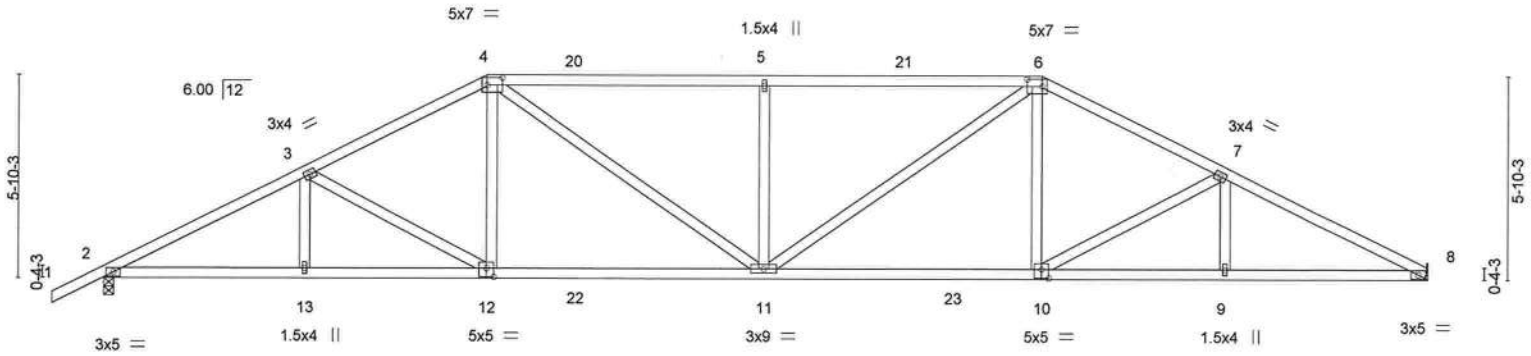
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	1580 Model	T19918407
1580_Model	A3	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:27 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-ImjVMxumed8qjgxEjmdCM1FsACrKIT_sbumOyNzT2EY

-1-6-0	5-9-4	11-0-0	19-0-0	27-0-0	32-2-12	38-0-0
1-6-0	5-9-4	5-2-12	8-0-0	8-0-0	5-2-12	5-9-4

Scale = 1:66.3



5-9-4	11-0-0	19-0-0	27-0-0	32-2-12	38-0-0
5-9-4	5-2-12	8-0-0	8-0-0	5-2-12	5-9-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	-0.20	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.44	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 196 lb	FT = 0%

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

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

REACTIONS. (size) 8=Mechanical, 2=0-3-8
Max Horz 2=110(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 8=1518(LC 1), 2=1612(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2941/644, 3-4=-2499/590, 4-5=-2681/673, 5-6=-2681/673, 6-7=-2505/594, 7-8=-2949/656
BOT CHORD 2-13=-499/2572, 12-13=-499/2572, 11-12=-334/2172, 10-11=-337/2177, 9-10=-511/2594, 8-9=-511/2594
WEBS 3-12=-460/188, 4-12=-11/440, 4-11=-127/736, 5-11=-542/243, 6-11=-122/732, 6-10=-15/442, 7-10=-480/199

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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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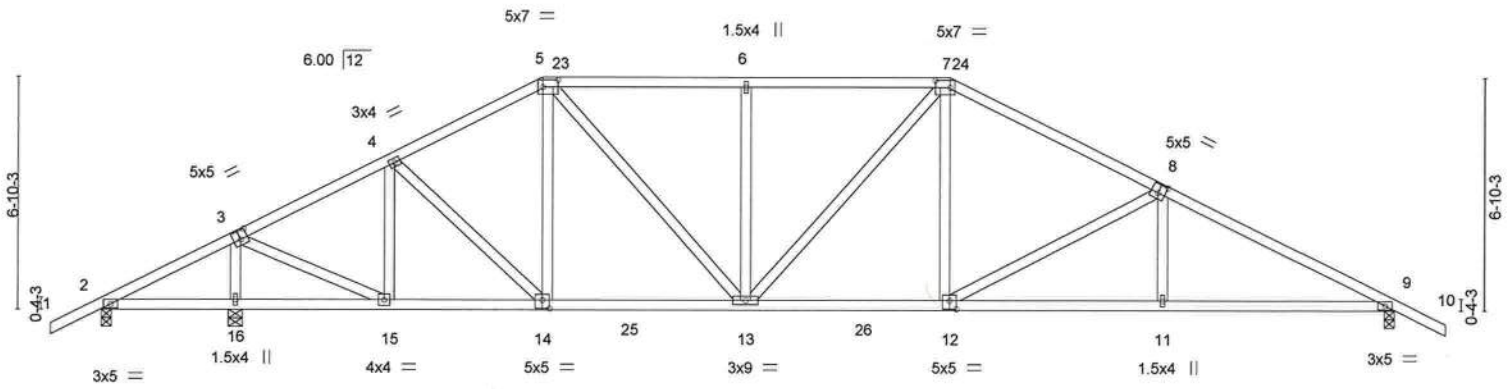
Date:
April 7,2020

Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	A4	Hip	1	1	T19918408
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:28 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-myGtaHvOPxGhLqWQHU8RvEo6ocErUsS?qYWyUpzT2EX

1-6-0	3-11-4	8-5-10	13-0-0	19-0-0	25-0-0	31-2-12	38-0-0	39-6-0
1-6-0	3-11-4	4-6-6	4-6-6	6-0-0	6-0-0	6-2-12	6-9-4	1-6-0

Scale = 1:67.9



3-11-4	8-5-10	13-0-0	19-0-0	25-0-0	31-2-12	38-0-0
3-11-4	4-6-6	4-6-6	6-0-0	6-0-0	6-2-12	6-9-4

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-8], [7:0-5-4,0-2-8], [8:0-2-8,0-3-0], [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	0.41	Vert(LL)	-0.11	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.22	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 215 lb	FT = 0%

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, 16=0-4-15, 9=0-3-8
Max Horz 2=-132(LC 10)
Max Uplift 2=-259(LC 22), 16=-10(LC 12), 9=-39(LC 12)
Max Grav 16=1968(LC 1), 9=1406(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-147/889, 3-4=-1114/306, 4-5=-1424/410, 5-6=-1641/486, 6-7=-1641/486, 7-8=-1876/487, 8-9=-2453/553
BOT CHORD 2-16=-746/195, 15-16=-680/177, 14-15=-97/969, 13-14=-95/1241, 12-13=-174/1595, 11-12=-379/2125, 9-11=-378/2129
WEBS 3-16=-1845/450, 3-15=-299/1757, 4-15=-666/188, 4-14=0/454, 5-13=-126/690, 6-13=-401/173, 7-12=-41/476, 8-12=-608/235, 8-11=0/270

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 9 except (jt=lb) 2=259.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 7,2020

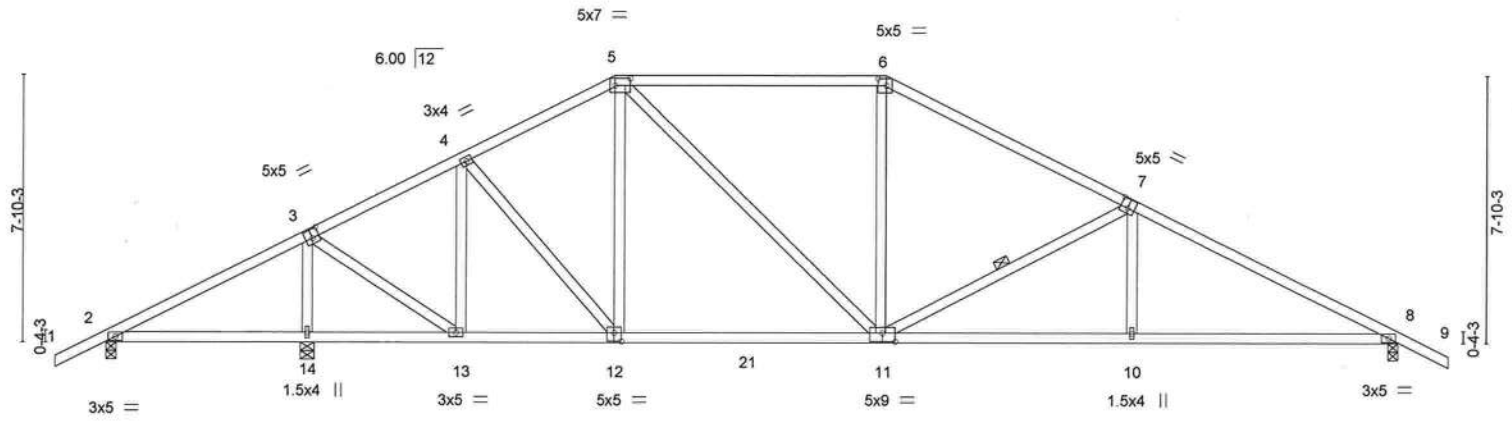
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	A5	Hip	1	1	T19918409
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:29 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-E8qFndv09FOYz_5cqBfgRSLCk?ZBDMs93CFV0FzT2EW

1-6-0	5-11-4	10-5-10	15-0-0	23-0-0	30-2-12	38-0-0	39-6-0
1-6-0	5-11-4	4-6-6	4-6-6	8-0-0	7-2-12	7-9-4	1-6-0

Scale = 1:67.9



5-11-4	10-5-10	15-0-0	23-0-0	30-2-12	38-0-0
5-11-4	4-6-6	4-6-6	8-0-0	7-2-12	7-9-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.13	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.27	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 207 lb	FT = 0%

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 7-11

REACTIONS. (size) 2=0-3-8, 14=0-4-15, 8=0-3-8
Max Horz 2=-150(LC 10)
Max Uplift 2=-117(LC 22), 14=-27(LC 12), 8=-40(LC 12)
Max Grav 2=110(LC 21), 14=1862(LC 1), 8=1319(LC 1)

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

TOP CHORD	2-3=-67/659, 3-4=-816/278, 4-5=-1132/379, 5-6=-1280/442, 6-7=-1531/433, 7-8=-2210/517
BOT CHORD	2-14=-543/142, 13-14=-503/131, 12-13=-21/702, 11-12=-29/1000, 10-11=-334/1898, 8-10=-333/1902
WEBS	3-14=-1706/425, 3-13=-180/1354, 4-13=-717/173, 4-12=-12/520, 5-11=-89/500, 6-11=0/335, 7-11=-707/275, 7-10=0/310

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 8 except (jt=lb) 2=117.
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 7,2020

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Tampa, FL 36610

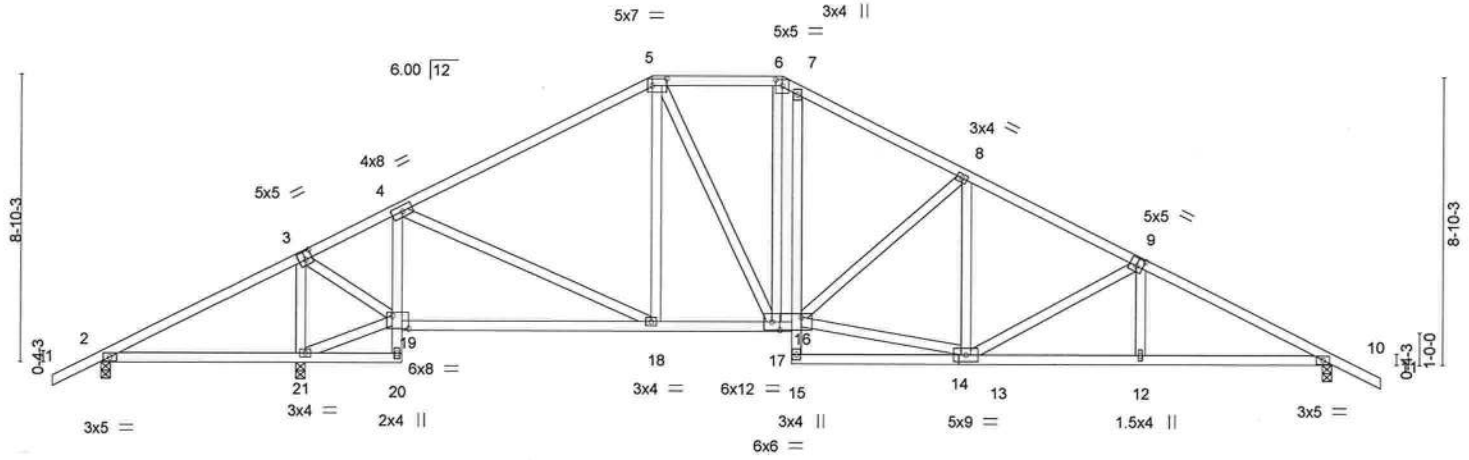
Job	Truss	Truss Type	Qty	Ply	1580 Model	T19918410
1580_Model	A6	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:31 2020 Page 1

ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-AXy0ClxGhseGCIF?ych8XtQbIpCJhGBSWWkc58zT2EU

1-6-0	6-1-12	9-3-8	17-0-0	21-0-0	21-4-0	26-8-8	32-1-0	38-0-0	39-6-0
1-6-0	6-1-12	3-1-12	7-8-8	4-0-0	0-4-0	5-4-8	5-4-8	5-11-0	1-6-0

Scale = 1:71.1



6-1-12	9-3-8	17-0-0	21-0-0	21-4-0	26-8-8	32-1-0	38-0-0
6-1-12	3-1-12	7-8-8	4-0-0	0-4-0	5-4-8	5-4-8	5-11-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-8], [6:0-2-8,0-2-4], [9:0-2-8,0-3-0], [14:0-0-0,0-1-12], [16:0-8-0,0-4-12], [19:0-6-0,0-4-12]

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	0.52	Vert(LL)	-0.11	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.24	18-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 240 lb	FT = 0%

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, 21=0-3-8, 10=0-3-8
Max Horz 2=-168(LC 10)
Max Uplift 2=-201(LC 22), 21=-23(LC 12), 10=-41(LC 12)
Max Grav 2=10(LC 21), 21=2032(LC 1), 10=1281(LC 1)

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

TOP CHORD	2-3=-126/962, 3-4=-432/170, 4-5=-1234/368, 5-6=-1166/427, 6-7=-1169/451, 7-8=-1404/429, 8-9=-1746/478, 9-10=-2213/524
BOT CHORD	2-21=-784/196, 4-19=-935/273, 18-19=0/458, 17-18=0/997, 16-17=0/1009, 13-15=-47/301, 12-13=-362/1917, 10-12=-360/1920
WEBS	3-21=-1574/349, 19-21=-760/232, 3-19=-161/1306, 4-18=-22/666, 5-17=-88/464, 13-16=-160/1224, 8-16=-436/214, 9-13=-487/185

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21, 10 except (jt=lb) 2=201.
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 7,2020

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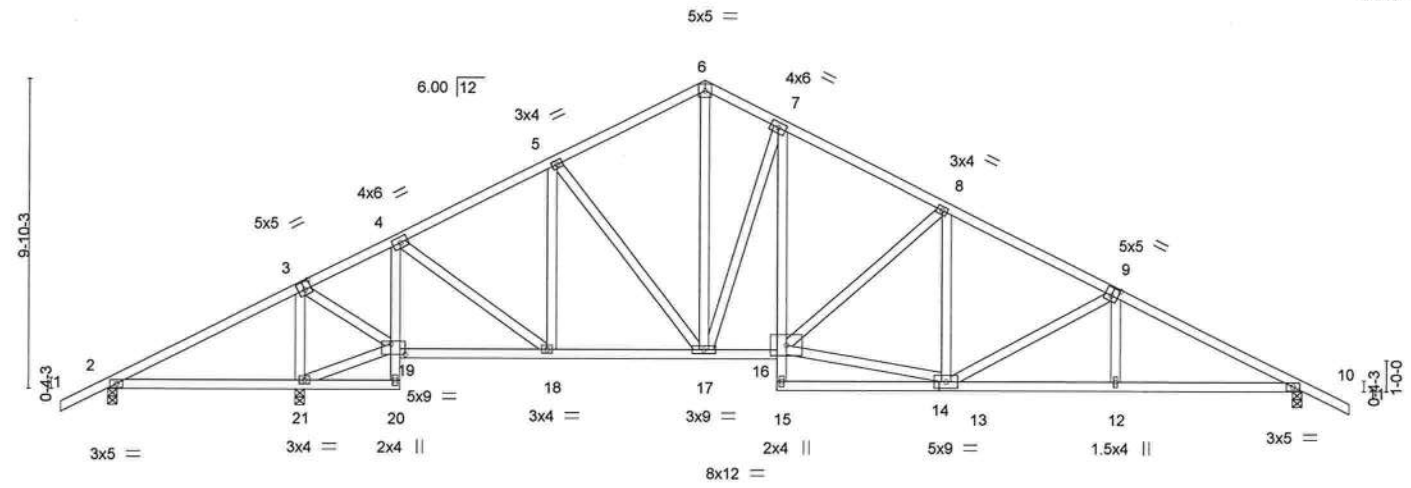
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	1580 Model	T19918411
1580_Model	A7	Roof Special	2	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:32 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-fjWOPeyuSAm7qRpBWKCN34znCDdHQcGblAU9dazT2ET

1-6-0	6-1-12	9-3-8	14-1-12	19-0-0	21-4-0	26-8-8	32-1-0	38-0-0	39-6-0
1-6-0	6-1-12	3-1-12	4-10-4	4-10-4	2-4-0	5-4-8	5-4-8	5-11-0	1-6-0

Scale = 1:73.4



6-1-12	9-3-8	14-1-12	19-0-0	21-4-0	26-8-8	32-1-0	38-0-0
6-1-12	3-1-12	4-10-4	4-10-4	2-4-0	5-4-8	5-4-8	5-11-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [9:0-2-8,0-3-0], [14:0-0-0,0-1-12], [19:0-5-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.09	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.18	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 247 lb	FT = 0%

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, 21=0-3-8, 10=0-3-8
Max Horz 2=-186(LC 10)
Max Uplift 2=-222(LC 22), 21=-27(LC 12), 10=-40(LC 12)
Max Grav 2=8(LC 21), 21=2074(LC 1), 10=1275(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-158/1034, 3-4=-366/149, 4-5=-1086/344, 5-6=-1134/412, 6-7=-1095/430, 7-8=-1424/444, 8-9=-1730/482, 9-10=-2200/528
BOT CHORD 2-21=-845/223, 4-19=-969/246, 18-19=-4/347, 17-18=-21/916, 16-17=-55/1204, 7-16=-134/653, 12-13=-366/1905, 10-12=-364/1908
WEBS 3-21=-1591/381, 19-21=-831/217, 3-19=-152/1265, 4-18=-121/793, 5-18=-382/135, 6-17=-266/742, 7-17=-784/259, 13-16=-216/1407, 8-16=-398/198, 9-13=-493/186

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21, 10 except (jt=lb) 2=222.
6) 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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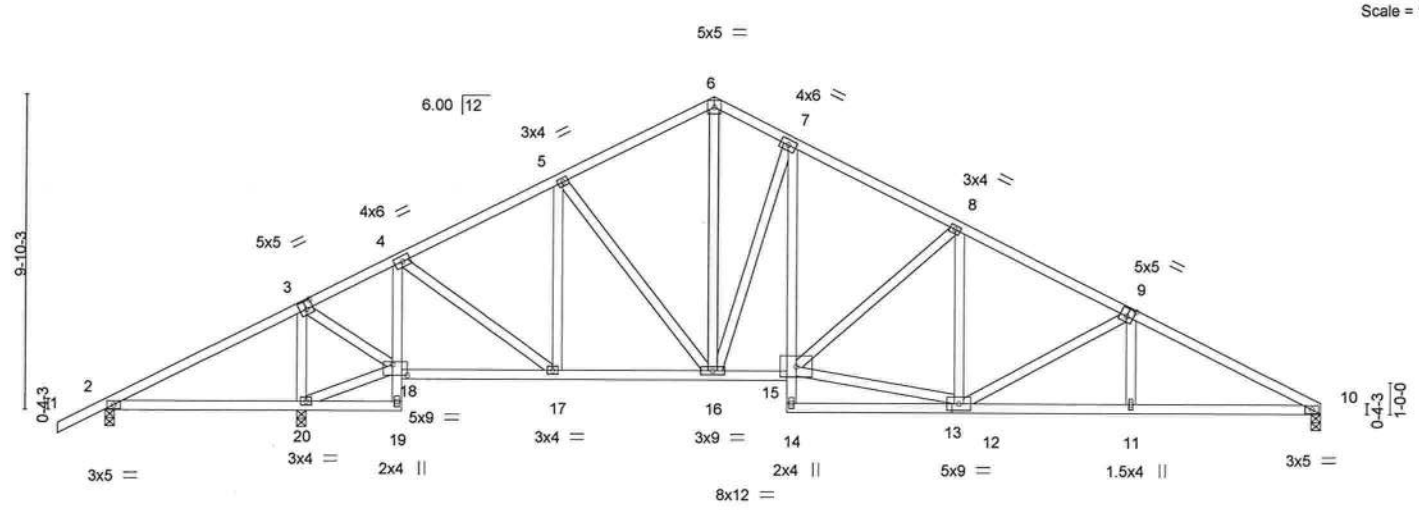
Date:
April 7,2020

Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	A8	Roof Special	1	1	T19918412
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:33 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-7w4md_yXDTu_RbON31jcclVyxdzq93SlzqDj91zT2ES

1-6-0	6-1-12	9-3-8	14-1-12	19-0-0	21-4-0	26-8-8	32-1-0	38-0-0
1-6-0	6-1-12	3-1-12	4-10-4	4-10-4	2-4-0	5-4-8	5-4-8	5-11-0

Scale = 1:72.1



6-1-12	9-3-8	14-1-12	19-0-0	21-4-0	26-8-8	32-1-0	38-0-0
6-1-12	3-1-12	4-10-4	4-10-4	2-4-0	5-4-8	5-4-8	5-11-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [9:0-2-8,0-3-0], [13:0-0-0,0-1-12], [18:0-5-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.09	12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.19	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 244 lb	FT = 0%

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, 20=0-3-8, 10=0-3-8
Max Horz 2=182(LC 11)
Max Uplift 2=-224(LC 22), 20=-42(LC 12)
Max Grav 2=7(LC 21), 20=2078(LC 1), 10=1182(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-183/1037, 3-4=-365/132, 4-5=-1088/339, 5-6=-1137/412, 6-7=-1097/430, 7-8=-1428/446, 8-9=-1738/482, 9-10=-2208/537
BOT CHORD 2-20=-849/218, 4-18=-972/253, 17-18=-2/341, 16-17=-47/917, 15-16=-85/1208, 7-15=-140/657, 11-12=-403/1928, 10-11=-401/1932
WEBS 3-20=-1594/400, 18-20=-834/211, 3-18=-169/1268, 4-17=-128/796, 5-17=-384/140, 6-16=-266/744, 7-16=-788/265, 12-15=-242/1412, 8-15=-401/193, 9-12=-512/197

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20 except (jt=lb) 2=224.
6) 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 7,2020

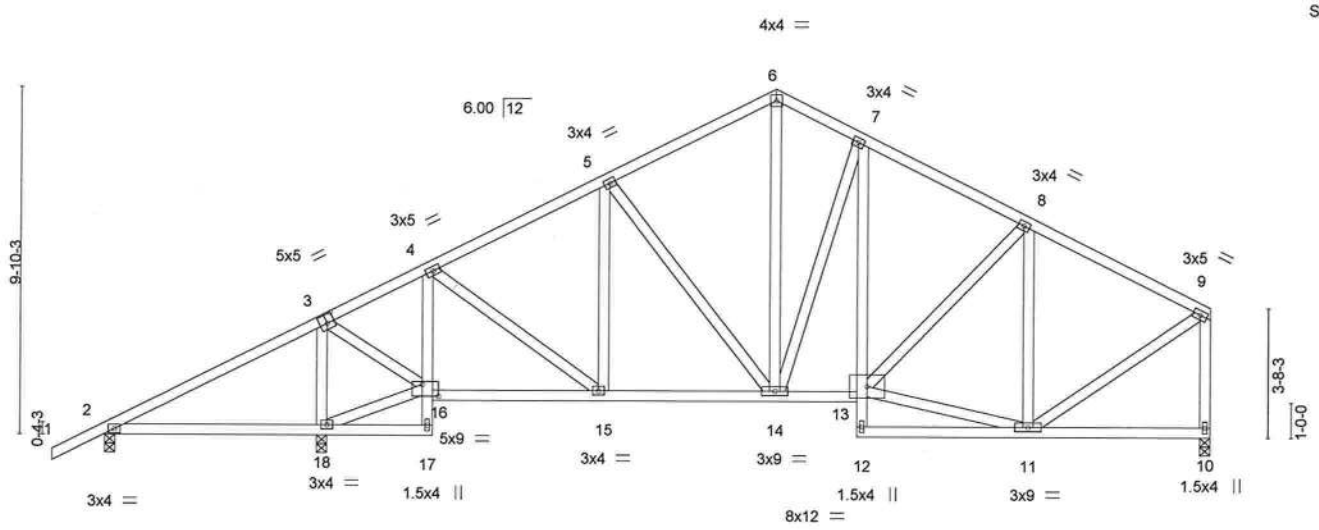
Job	Truss	Truss Type	Qty	Ply	1580 Model	T19918413
1580_Model	A9	Roof Special	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:34 2020 Page 1

ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-b6e8qKz9_n0r3lzadkFr8V28N0Mdud?uCUzGiTzT2ER

-1-6-0	6-1-12	9-3-8	14-1-12	19-0-0	21-4-0	26-2-4	31-4-0
1-6-0	6-1-12	3-1-12	4-10-4	4-10-4	2-4-0	4-10-4	5-1-12

Scale = 1:65.4



6-1-12	9-3-8	14-1-12	19-0-0	21-4-0	26-2-4	31-4-0
6-1-12	3-1-12	4-10-4	4-10-4	2-4-0	4-10-4	5-1-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	0.07	18-21	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.07	18-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 223 lb	FT = 0%

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, 10=0-3-8, 18=0-3-8
Max Horz 2=220(LC 11)
Max Uplift 2=-95(LC 12), 18=-46(LC 12)
Max Grav 2=156(LC 21), 10=945(LC 1), 18=1524(LC 1)

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

TOP CHORD 2-3=-200/530, 3-4=-527/166, 4-5=-915/292, 5-6=-815/332, 6-7=-773/348, 7-8=-924/329, 8-9=-794/255, 9-10=-896/248
BOT CHORD 2-18=-384/88, 4-16=-580/177, 15-16=-139/475, 14-15=-183/763, 13-14=-164/762
WEBS 3-18=-1233/412, 16-18=-374/76, 3-16=-171/908, 4-15=-56/398, 6-14=-190/454, 7-14=-339/148, 11-13=-180/620, 8-11=-485/210, 9-11=-166/766

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18.
6) 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:

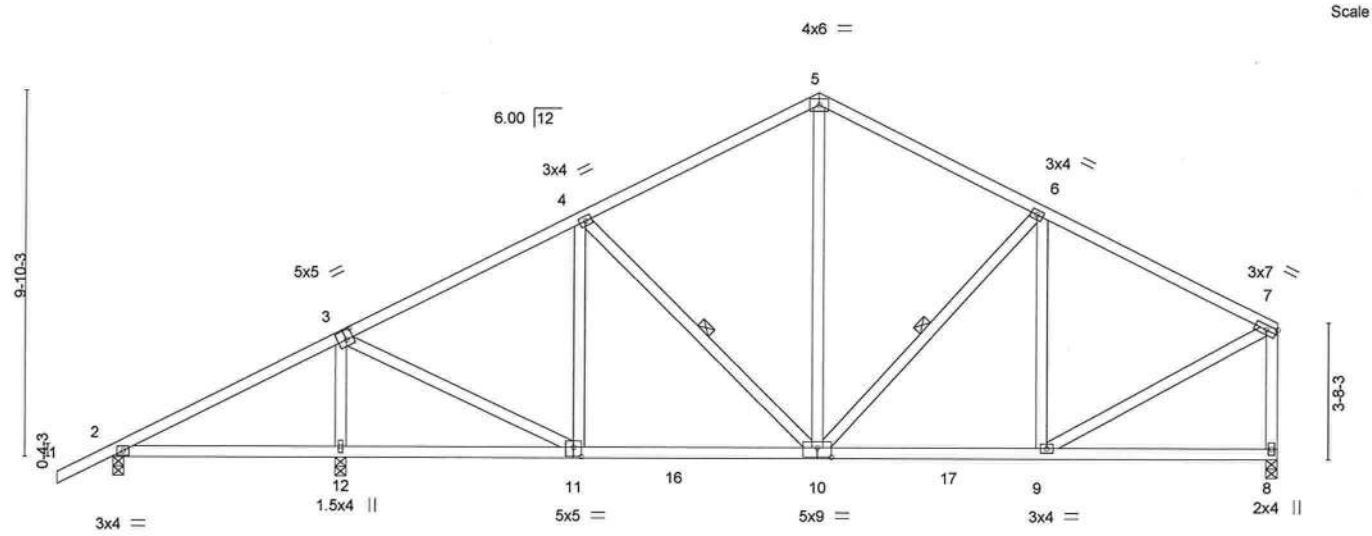
April 7,2020

Job	Truss	Truss Type	Qty	Ply	1580 Model	T19918414
1580_Model	A10	Common	2	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:13 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-i3sCQ9j_xKNp2XsXuqMwo4gYsZBNT9toNjNfSBzT2Em

-1-6-0	6-1-12	12-6-14	19-0-0	25-0-4	31-4-0
1-6-0	6-1-12	6-5-2	6-5-2	6-0-4	6-3-12

Scale = 1:62.2



6-1-12	12-6-14	19-0-0	25-0-4	31-4-0
6-1-12	6-5-2	6-5-2	6-0-4	6-3-12

Plate Offsets (X,Y)-- [3:0-2-4,0-3-0], [10:0-4-8,0-3-0], [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	0.39	Vert(LL)	0.07	12-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.10	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 188 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 4-10, 6-10

REACTIONS. (size) 2=0-3-8, 12=0-3-8, 8=0-3-8
Max Horz 2=220(LC 11)
Max Uplift 2=-92(LC 12), 12=-50(LC 12)
Max Grav 2=278(LC 21), 12=1344(LC 1), 8=981(LC 1)

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

TOP CHORD	3-4=-901/273, 4-5=-820/335, 5-6=-815/339, 6-7=-897/280, 7-8=-921/261
BOT CHORD	10-11=-191/800, 9-10=-190/742
WEBS	3-12=-1205/416, 3-11=-139/901, 4-11=-272/163, 5-10=-108/367, 6-9=-265/166, 7-9=-168/794

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 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) 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12.
6) 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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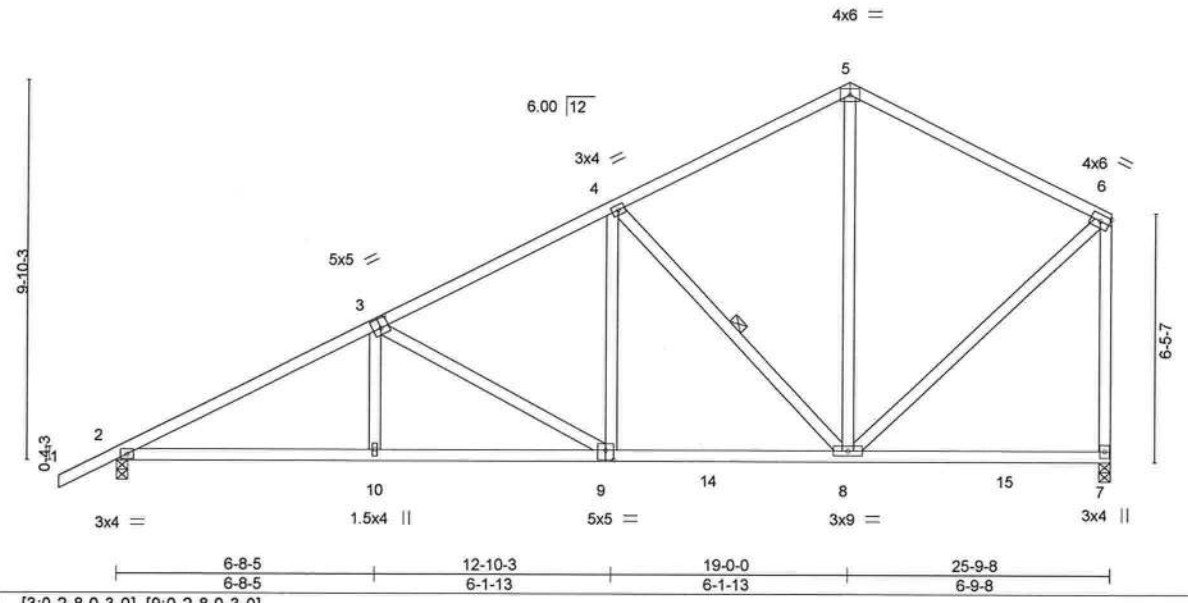
Date:
April 7,2020

Job	Truss	Truss Type	Qty	Ply	1580 Model	T19918415
1580_Model	A11	Common	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:14 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-AGQaeUkcieVgfgRkSYu9LHDfpyT3CYqycN7C_dzT2EI

-1-6-0	6-8-5	12-10-3	19-0-0	25-9-8
1-6-0	6-8-5	6-1-13	6-1-13	6-9-8

Scale = 1:59.9



6-8-5	12-10-3	19-0-0	25-9-8
6-8-5	6-1-13	6-1-13	6-9-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	-0.06	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.15	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 156 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=253(LC 11)
Max Uplift 2=-35(LC 12), 7=-1(LC 12)
Max Grav 2=1118(LC 1), 7=1041(LC 17)

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

TOP CHORD	2-3=-1822/407, 3-4=-1264/357, 4-5=-703/299, 5-6=-704/293, 6-7=-961/310
BOT CHORD	2-10=-585/1608, 9-10=-587/1604, 8-9=-397/1108
WEBS	3-10=0/267, 3-9=-584/218, 4-9=-38/461, 4-8=-759/268, 5-8=-55/289, 6-8=-201/751

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
6) 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 7,2020

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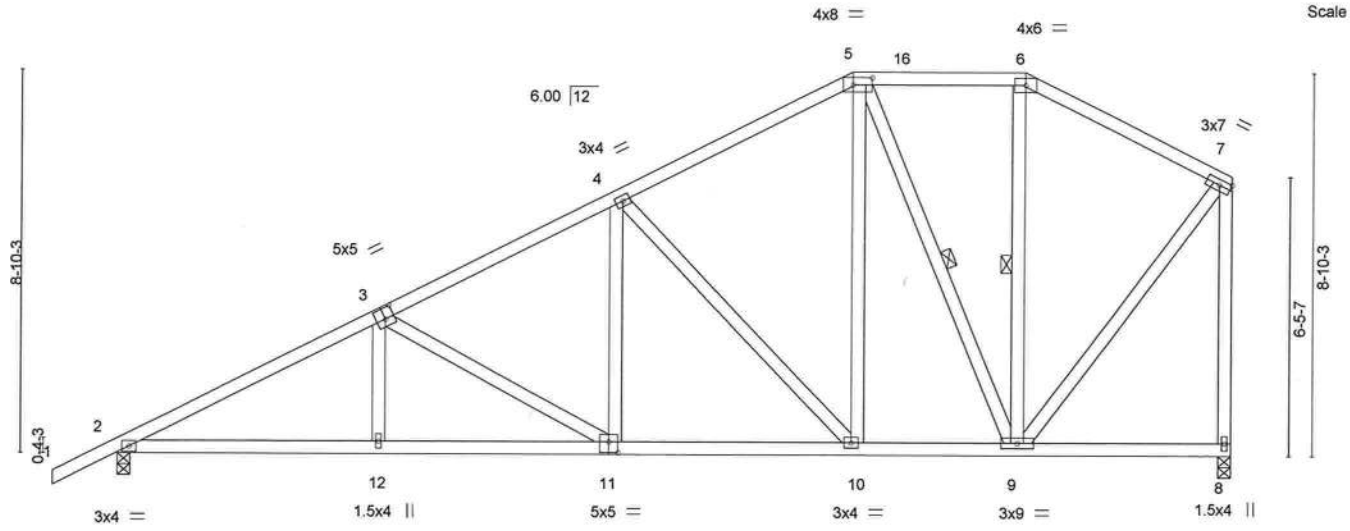
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	1580 Model	T19918416
1580_Model	A12	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:15 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-eS_yrqkESxdXHq0w0FPOtVmsmMq_xxA5r1smX3zT2Ek

-1-6-0	6-0-5	11-6-3	17-0-0	21-0-0	25-9-8
1-6-0	6-0-5	5-5-13	5-5-13	4-0-0	4-9-8

Scale = 1:53.4



6-0-5	11-6-3	17-0-0	21-0-0	25-9-8
6-0-5	5-5-13	5-5-13	4-0-0	4-9-8

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-0], [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	0.56	Vert(LL)	-0.06	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.13	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 174 lb	FT = 0%

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 5-9, 6-9

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=236(LC 11)
Max Uplift 2=-35(LC 12), 8=-1(LC 12)
Max Grav 2=1118(LC 1), 8=1023(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1852/403, 3-4=-1369/364, 4-5=-852/310, 5-6=-477/268, 6-7=-594/262, 7-8=-976/290
BOT CHORD 2-12=-591/1597, 11-12=-593/1594, 10-11=-429/1150, 9-10=-259/700
WEBS 3-11=-505/190, 4-11=-24/420, 4-10=-659/246, 5-10=-124/568, 5-9=-572/174, 7-9=-211/762

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

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Date:
April 7,2020

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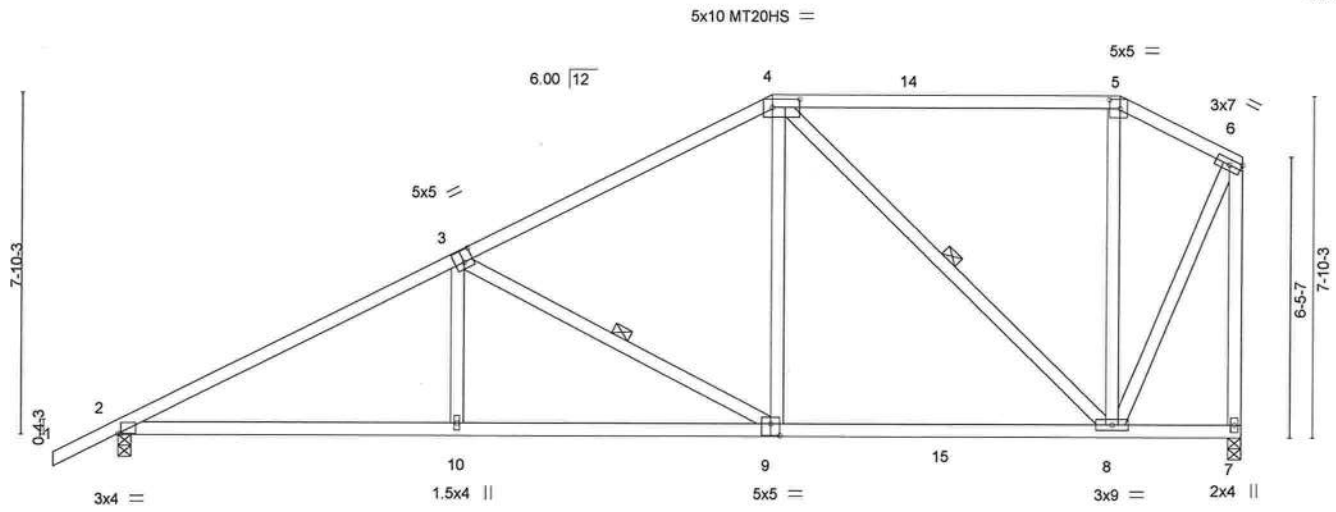
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	1580 Model	T19918417
1580_Model	A13	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:16 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-7eYL2AlsDFIOv_b6azwdQil0Dm8wgTuE3hcJ3WzT2Ej

-1-6-0	7-9-4	15-0-0	23-0-0	25-9-8
1-6-0	7-9-4	7-2-12	8-0-0	2-9-8

Scale = 1:53.0



7-9-4	15-0-0	23-0-0	25-9-8
7-9-4	7-2-12	8-0-0	2-9-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.11	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.22	8-9	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 156 lb	FT = 0%

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

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

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=219(LC 11)
Max Uplift 2=-35(LC 12), 7=-1(LC 12)
Max Grav 2=1118(LC 1), 7=1023(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1768/388, 3-4=-1090/312, 4-5=-395/211, 5-6=-448/211, 6-7=-1023/250
BOT CHORD 2-10=-554/1537, 9-10=-556/1534, 8-9=-315/936
WEBS 3-10=0/311, 3-9=-710/275, 4-9=-38/579, 4-8=-758/227, 6-8=-238/926

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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, 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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Date:
April 7,2020

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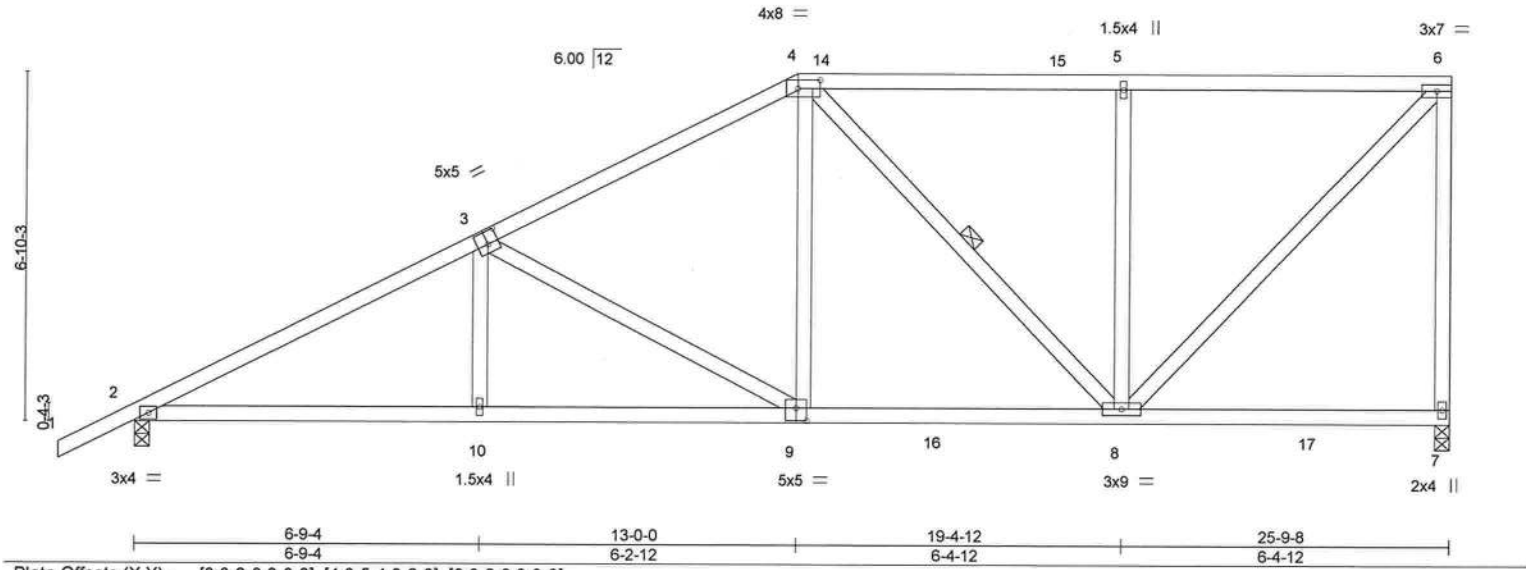
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	A14	Half Hip	1	1	T19918418
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:17 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-br6jGWmU_ZtFX8AJ7gRsywr9oAVlPugOILLsbyzT2Ei

-1-6-0	6-9-4	13-0-0	19-4-12	25-9-8
1-6-0	6-9-4	6-2-12	6-4-12	6-4-12

Scale = 1:45.3



6-9-4	13-0-0	19-4-12	25-9-8
6-9-4	6-2-12	6-4-12	6-4-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.07	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.15	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 150 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=207(LC 11)
Max Uplift 7=-10(LC 9), 2=-34(LC 12)
Max Grav 7=1049(LC 17), 2=1118(LC 1)

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

TOP CHORD	2-3=-1821/385, 3-4=-1239/325, 4-5=-785/274, 5-6=-785/274, 6-7=-965/283
BOT CHORD	2-10=-579/1579, 9-10=-580/1576, 8-9=-374/1059
WEBS	3-10=0/272, 3-9=-613/236, 4-9=-42/480, 4-8=-380/151, 5-8=-435/202, 6-8=-301/1112

NOTES-

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

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Date:
April 7,2020

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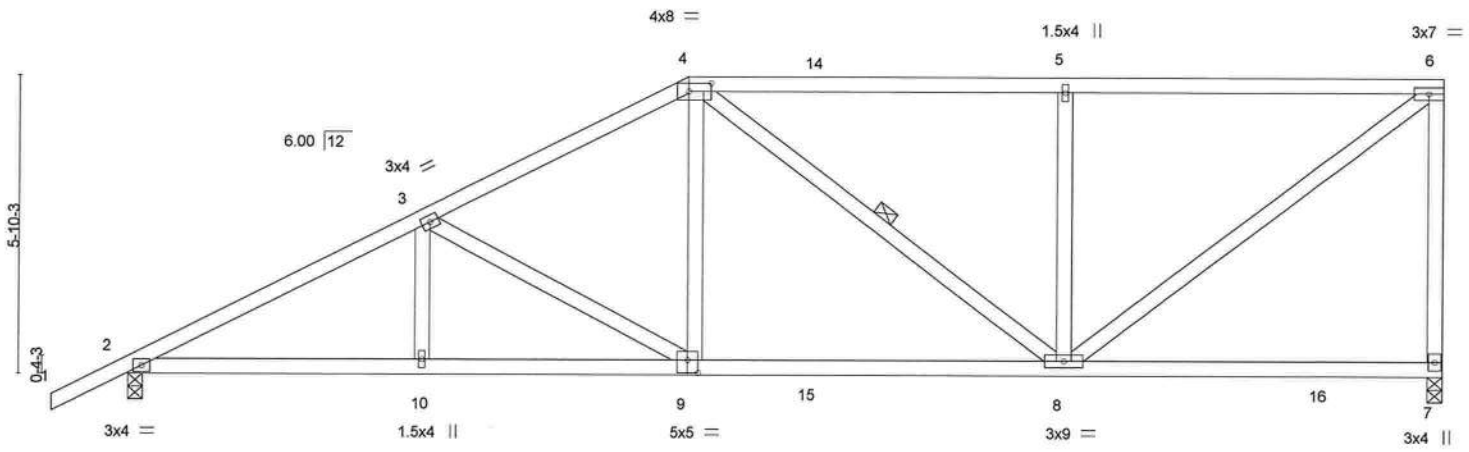
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	A15	Half Hip	1	1	T19918419
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:17 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-br6jGWmU_ZtFX8AJ7gRsywrCQAUtPv9OILLsbyzT2Ei

-1-6-0	5-9-4	11-0-0	18-4-12	25-9-8
1-6-0	5-9-4	5-2-12	7-4-12	7-4-12

Scale = 1:45.3



5-9-4	11-0-0	18-4-12	25-9-8
5-9-4	5-2-12	7-4-12	7-4-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.07	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.17	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 143 lb	FT = 0%

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

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

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=177(LC 11)
Max Uplift 7=-8(LC 9), 2=-35(LC 12)
Max Grav 7=1023(LC 1), 2=1118(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1865/390, 3-4=-1403/344, 4-5=-1034/305, 5-6=-1034/305, 6-7=-956/274
BOT CHORD 2-10=-561/1612, 9-10=-561/1612, 8-9=-393/1201
WEBS 3-9=-484/192, 4-9=-19/429, 5-8=-503/234, 6-8=-319/1265

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

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Date:
April 7,2020

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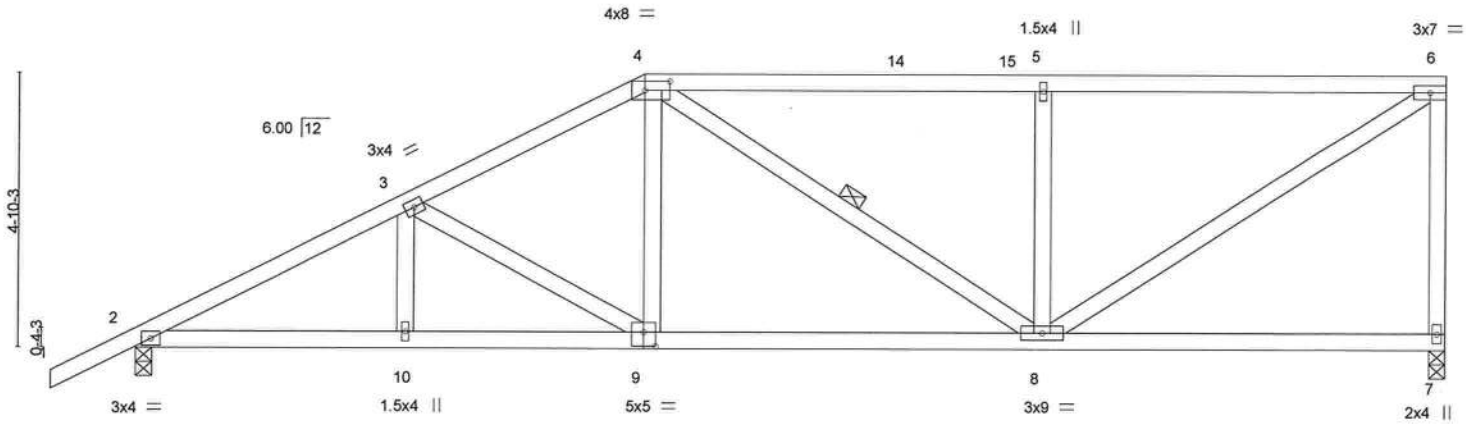
Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	A16	Half Hip	1	1	T19918420
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:18 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-31g5Tsn6Is?68IlVhNy5V7NO5ars8O5XX?5Q7OzT2Eh

-1-6-0	4-9-4	9-0-0	16-0-12	23-1-8
1-6-0	4-9-4	4-2-12	7-0-12	7-0-12

Scale = 1:40.8



4-9-4	9-0-0	16-0-12	23-1-8
4-9-4	4-2-12	7-0-12	7-0-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.06	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.15	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 126 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=147(LC 11)
Max Uplift 7=-11(LC 9), 2=-36(LC 12)
Max Grav 7=916(LC 1), 2=1012(LC 1)

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

TOP CHORD	2-3=-1670/342, 3-4=-1324/313, 4-5=-1055/291, 5-6=-1055/291, 6-7=-851/242
BOT CHORD	2-10=-487/1446, 9-10=-487/1446, 8-9=-359/1136
WEBS	3-9=-358/147, 4-9=-6/368, 5-8=-477/222, 6-8=-298/1222

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 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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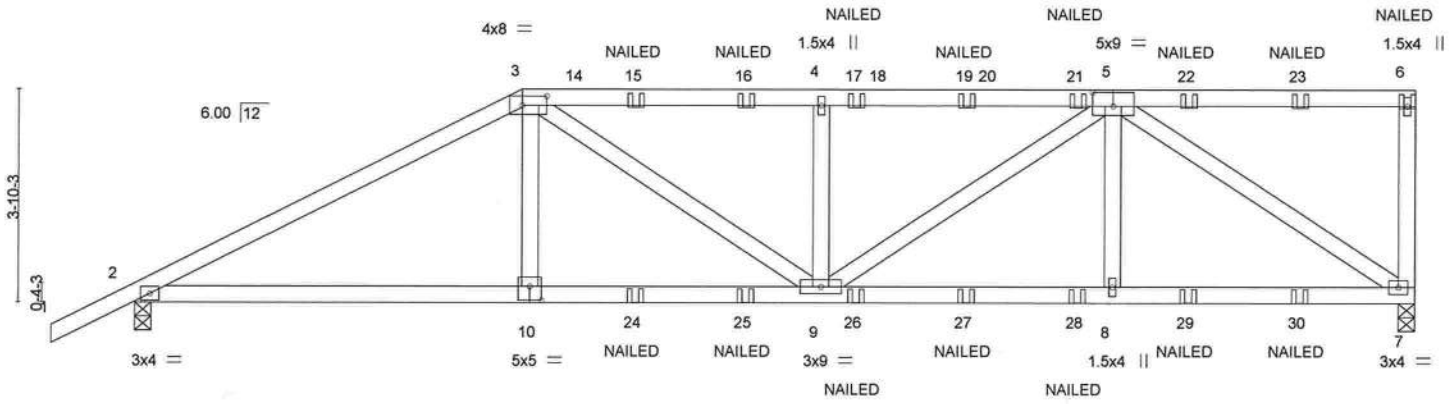
Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	A17GIR	Half Hip Girder	1	2	T19918421

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:20 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-?QnruYoNHUFqObvupo_ZaYTk3NY3cH9q_JaXCHzT2Ef

-1-6-0	7-0-0	12-5-1	17-8-7	23-1-8
1-6-0	7-0-0	5-5-1	5-3-5	5-5-1

Scale = 1:41.7



7-0-0	12-5-1	17-8-7	23-1-8
7-0-0	5-5-1	5-3-5	5-5-1

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.07	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.14	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 237 lb	FT = 0%

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) 7=0-3-8, 2=0-3-8
Max Horz 2=117(LC 7)
Max Uplift 7=-46(LC 5), 2=-2(LC 8)
Max Grav 7=2103(LC 1), 2=1839(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3378/0, 3-4=-3408/5, 4-5=-3408/5, 6-7=-390/90
BOT CHORD 2-10=0/2942, 9-10=0/2965, 8-9=-25/2445, 7-8=-25/2445
WEBS 3-10=0/672, 3-9=-81/617, 4-9=-695/155, 5-9=0/1160, 5-8=0/464, 5-7=-2893/3

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 7-10; 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) 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 100 lb uplift at joint(s) 7, 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) 228 lb down and 137 lb up at 7-0-0 on top chord, and 361 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
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-6=-60, 7-11=-20

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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

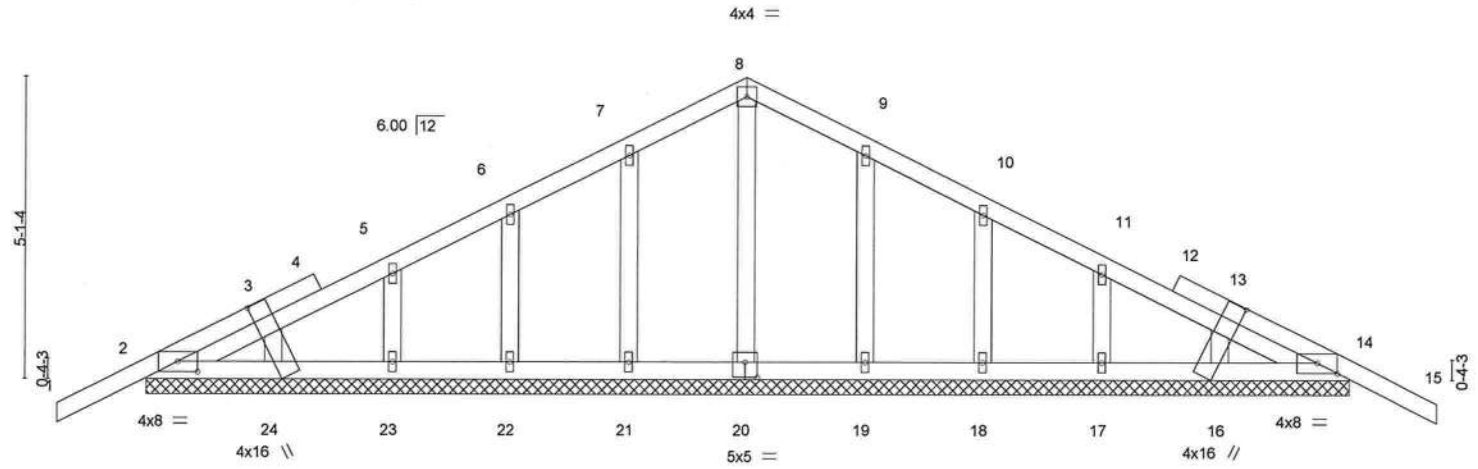
Vert: 3=-181(B) 6=-158(B) 10=-361(B) 15=-125(B) 16=-125(B) 17=-125(B) 19=-125(B) 21=-125(B) 22=-125(B) 23=-125(B) 24=-62(B) 25=-62(B) 26=-62(B) 27=-62(B) 28=-62(B) 29=-62(B) 30=-62(B)

Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	B1GE	Common Supported Gable	1	1	T19918422
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:36 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-XVlvF0?PWOGYI37yl9HJEw7Ywq6wMcNBgoSNmLzT2EP

-1-6-0 | 10-2-0 | 20-4-0 | 21-10-0
1-6-0 | 10-2-0 | 10-2-0 | 1-6-0

Scale = 1:39.0



20-4-0
20-4-0

Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [3:0-0-0,0-1-15], [13:0-0-0,0-1-15], [14:0-4-0,0-2-1], [16:0-0-13,0-1-9], [16:0-3-6,1-5-8], [20:0-2-8,0-3-0], [24:0-0-13,0-1-9], [24:0-3-6,1-5-8]

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	0.14	Vert(LL)	-0.01	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 108 lb	FT = 0%

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

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

REACTIONS. All bearings 20-4-0.
(lb) - Max Horz 2=-91(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 22, 23, 19, 18, 17
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 22, 23, 24, 19, 18, 17, 16

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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 Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 21, 22, 23, 19, 18, 17.

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April 7,2020

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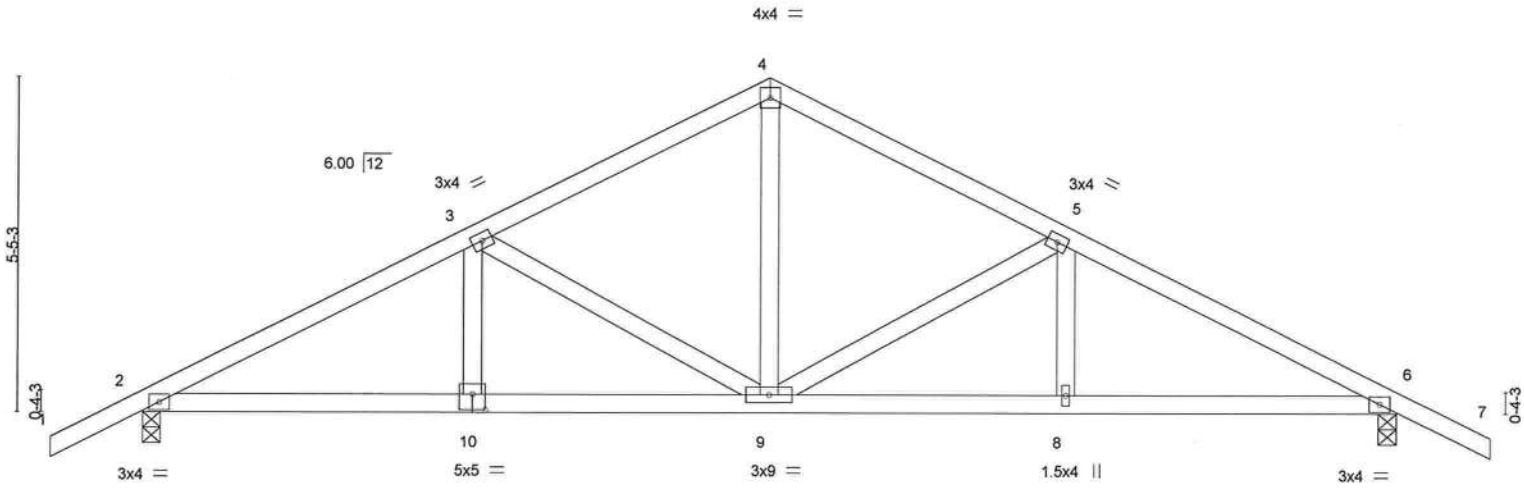
Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	B2	Common	3	1	T19918423
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:37 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-?hJHTM?1HiOPwDi9ItoYm7giAEN350QKuSBwIozT2EO

-1-6-0	5-4-4	10-2-0	14-11-12	20-4-0	21-10-0
1-6-0	5-4-4	4-9-12	4-9-12	5-4-4	1-6-0

Scale = 1:37.4



5-4-4	10-2-0	14-11-12	20-4-0
5-4-4	4-9-12	4-9-12	5-4-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.04	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.09	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 99 lb	FT = 0%

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=-96(LC 10)
Max Uplift 2=-37(LC 12), 6=-37(LC 12)
Max Grav 2=903(LC 1), 6=903(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1418/333, 3-4=-982/286, 4-5=-982/286, 5-6=-1418/333
BOT CHORD 2-10=-187/1218, 9-10=-187/1218, 8-9=-198/1218, 6-8=-198/1218
WEBS 4-9=-106/547, 5-9=-473/173, 3-9=-473/173

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
6) 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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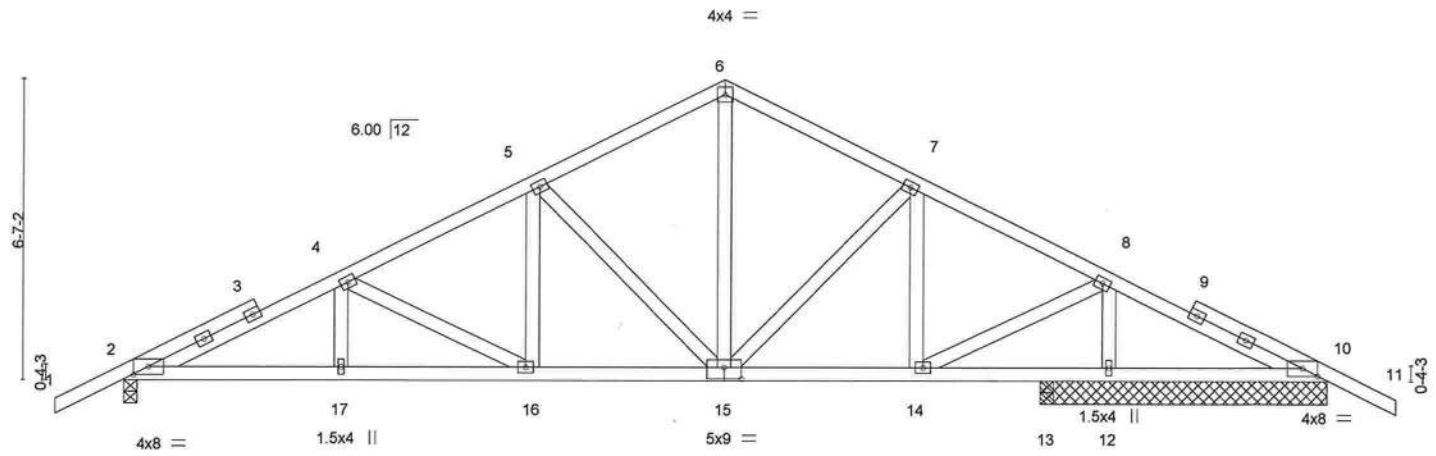
Job	Truss	Truss Type	Qty	Ply	1580 Model	T19918424
1580_Model	B3GE	Common	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:38 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-TttfgiOf20WGYMHLsaJnJLCpRejcqSbU76xUrEzT2EN

-1-6-0	4-8-15	8-11-5	13-1-12	17-4-3	21-6-9	26-3-8	27-9-8
1-6-0	4-8-15	4-2-7	4-2-7	4-2-7	4-2-7	4-8-15	1-6-0

Scale = 1:50.5



4-8-15	8-11-5	13-1-12	17-4-3	20-4-0	21-6-9	26-3-8
4-8-15	4-2-7	4-2-7	4-2-7	2-11-13	1-2-9	4-8-15

Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [10:0-4-0,0-2-1], [15:0-4-8,0-3-0]

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	0.46	Vert(LL)	-0.05	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.10	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 151 lb	FT = 0%

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

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

REACTIONS. All bearings 6-3-0 except (jt=length) 2=0-3-8, 13=0-3-8.
(lb) - Max Horz 2=118(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10
Max Grav All reactions 250 lb or less at joint(s) 10, 13, 10 except 2=912(LC 1), 12=1184(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1533/368, 4-5=-1149/322, 5-6=-740/276, 6-7=-739/276, 7-8=-632/210, 8-10=-78/464
BOT CHORD 2-17=-232/1389, 16-17=-232/1389, 15-16=-111/977, 14-15=-14/513, 13-14=-363/160, 12-13=-363/160, 10-12=-363/160
WEBS 6-15=-115/370, 7-14=-394/132, 8-14=-173/978, 8-12=-1134/323, 5-15=-523/187, 5-16=-19/332, 4-16=-460/153

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 3x4 MT20 unless otherwise indicated.
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, 10, 10.
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 7,2020

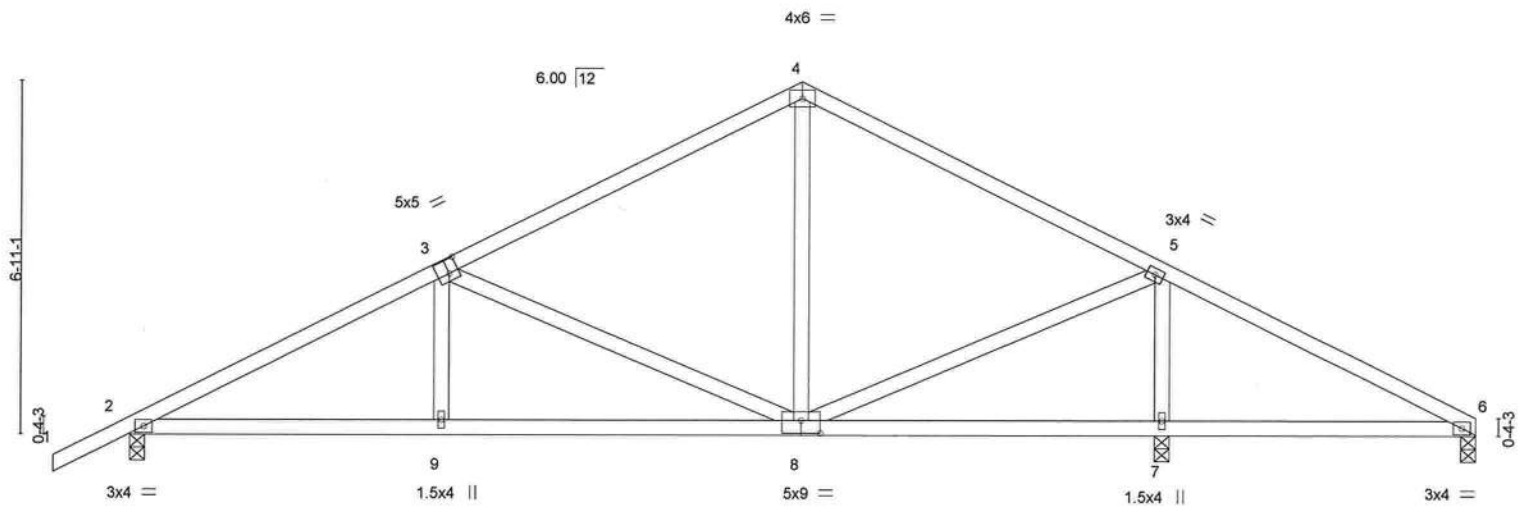
Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	B4	Common	3	1	T19918425
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:39 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-x4R1t21HpJe79WsXQIq0rYlzf11bZp3dMmg1NgzT2EM

-1-6-0	6-1-4	13-1-12	20-2-4	26-3-8
1-6-0	6-1-4	7-0-8	7-0-8	6-1-4

Scale = 1:45.1



6-1-4	13-1-12	20-2-4	26-3-8
6-1-4	7-0-8	7-0-8	6-1-4

Plate Offsets (X,Y)-- [3:0-2-4,0-3-4], [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	0.49	Vert(LL)	0.08	7-12	>959	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.12	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 125 lb	FT = 0%

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, 7=0-3-8
Max Horz 2=120(LC 11)
Max Uplift 6=-54(LC 12), 2=-39(LC 12), 7=-49(LC 12)
Max Grav 6=156(LC 22), 2=861(LC 1), 7=1221(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1307/317, 3-4=-671/226, 4-5=-675/227, 5-6=-10/251
BOT CHORD 2-9=-206/1115, 8-9=-207/1111
WEBS 3-9=0/274, 3-8=-668/253, 4-8=0/258, 5-8=-29/710, 5-7=-1057/345

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2, 7.
6) 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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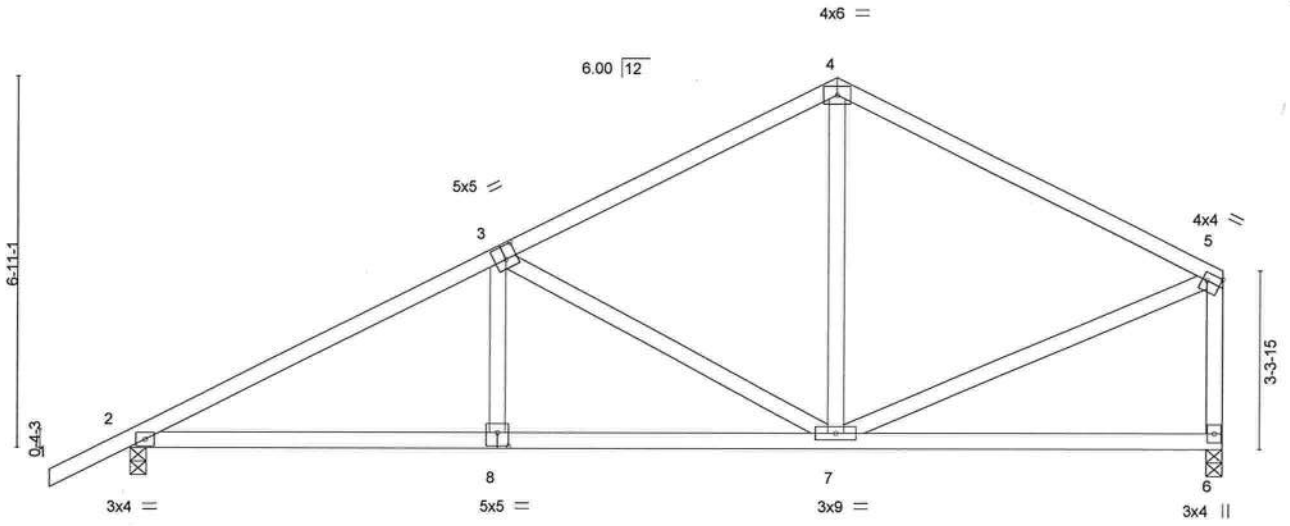
Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	B5	Common	3	1	T19918426
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:40 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-QG?P5N2wadn_ngRk_?LFOmI8LRMuIlEnaQQav7zT2EL

-1-6-0	6-10-2	13-1-12	20-4-0
1-6-0	6-10-2	6-3-10	7-2-4

Scale = 1:42.9



6-10-2	13-1-12	20-4-0
6-10-2	6-3-10	7-2-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.06	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.13	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 106 lb	FT = 0%

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=161(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=901(LC 1), 6=804(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1337/309, 3-4=-751/250, 4-5=-755/240, 5-6=-734/236
BOT CHORD 2-8=-360/1131, 7-8=-361/1127
WEBS 3-8=0/268, 3-7=-631/231, 4-7=0/326, 5-7=-113/573

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
6) 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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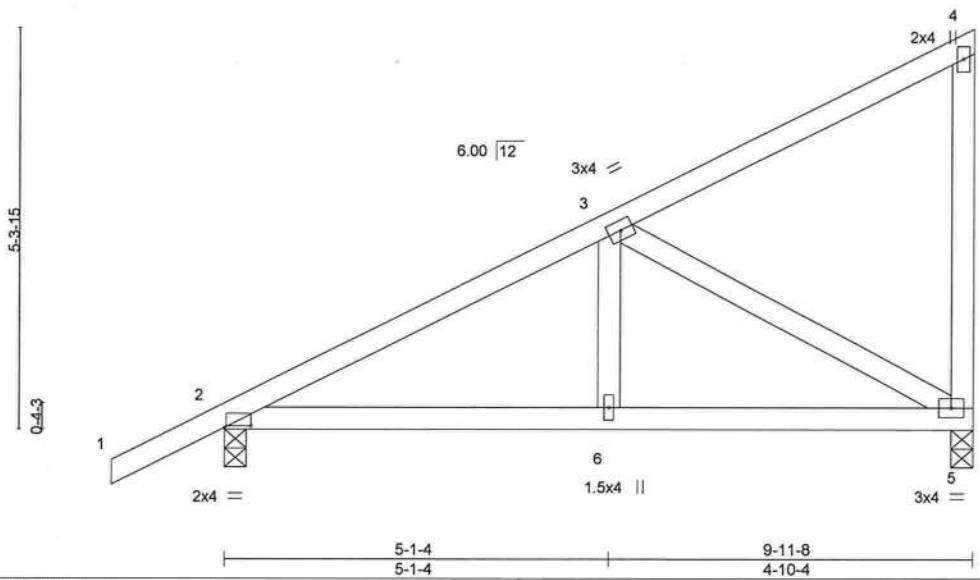
Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	B6	Monopitch	1	1	T19918427
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:40 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-QG?P5N2wadn_ngRk_?LFOmICPRQSINJnaQQav7zT2EL

-1-6-0 / 1-6-0 | 5-1-4 / 5-1-4 | 9-11-8 / 4-10-4

Scale = 1:30.6



5-1-4 / 5-1-4 | 9-11-8 / 4-10-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	0.02	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.03	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 52 lb	FT = 0%

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, 5=0-3-8
Max Horz 2=159(LC 11)
Max Uplift 2=-35(LC 12), 5=-5(LC 9)
Max Grav 2=489(LC 1), 5=386(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-533/136
BOT CHORD 2-6=-264/433, 5-6=-264/433
WEBS 3-5=-480/231

NOTES-
1) Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.
5) 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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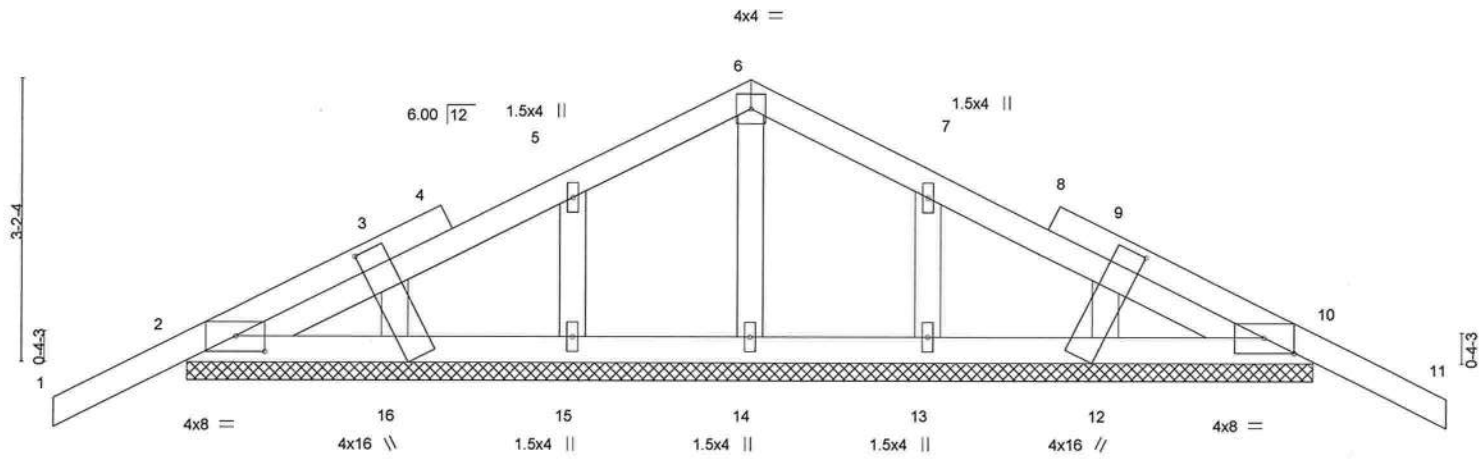
Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	C1GE	Common Supported Gable	1	1	T19918428
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:41 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-uSZoIj3YLxvrPq?wXjtUxzqOgrp21szwp498RZzT2EK

-1-6-0 | 6-4-0 | 12-8-0 | 14-2-0
1-6-0 | 6-4-0 | 6-4-0 | 1-6-0

Scale = 1:25.9



12-8-0
12-8-0

Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [3:0-0-0,0-1-15], [9:0-0-0,0-1-15], [10:0-4-0,0-2-1], [12:0-0-13,0-1-9], [12:0-2-7,1-7-4], [16:0-0-13,0-1-9], [16:0-2-7,1-7-4]

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	0.14	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 64 lb	FT = 0%

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

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

REACTIONS. All bearings 12-8-0.
(lb) - Max Horz 2=59(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 13
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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 Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) 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, 10, 15, 13.

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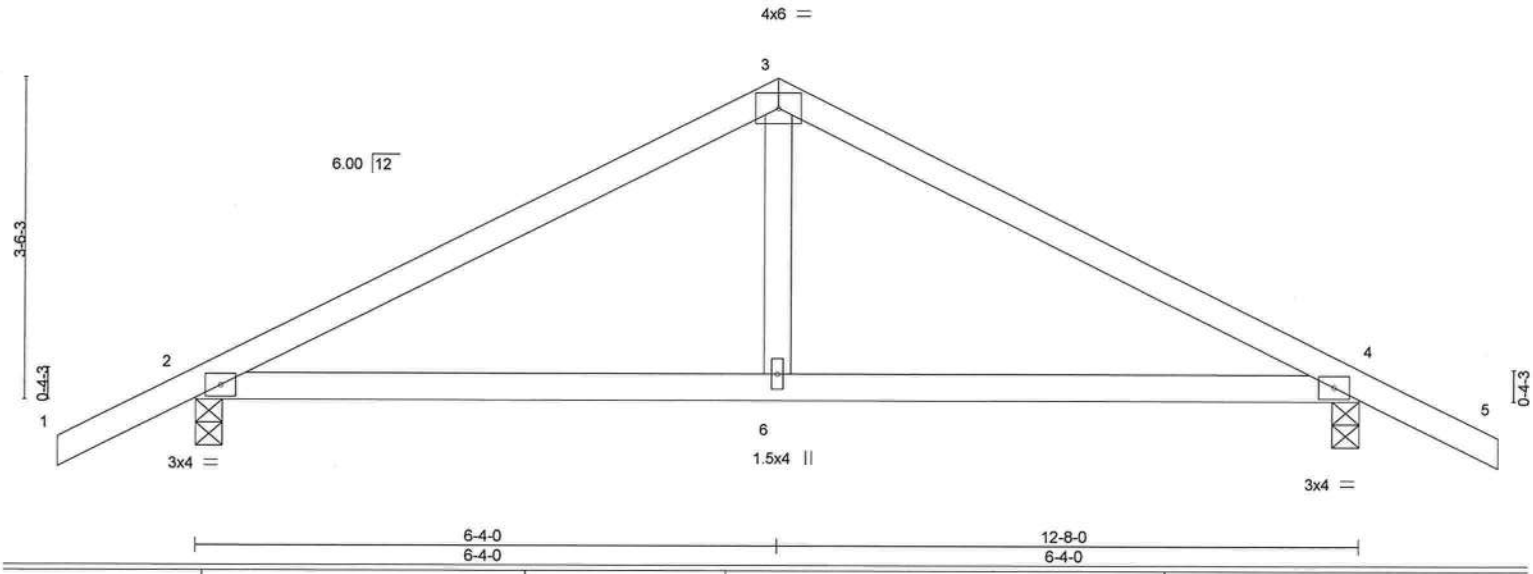
Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	C2	Common	3	1	T19918429
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:42 2020 Page 1
ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-Mf7AW33A5E1i0_a65QOjTBNWuF3TmIU32kvh_?zT2EJ

-1-6-0 | 6-4-0 | 12-8-0 | 14-2-0
1-6-0 | 6-4-0 | 6-4-0 | 1-6-0

Scale = 1:25.1



6-4-0 | 12-8-0
6-4-0 | 6-4-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.04	6-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.08	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 50 lb	FT = 0%

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

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=65(LC 11)
Max Uplift 2=-37(LC 12), 4=-37(LC 12)
Max Grav 2=597(LC 1), 4=597(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-704/198, 3-4=-704/198
BOT CHORD 2-6=-52/568, 4-6=-52/568
WEBS 3-6=0/286

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
6) 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	1580 Model
1580_Model	C3GIR	Common Girder	1	2	T19918430

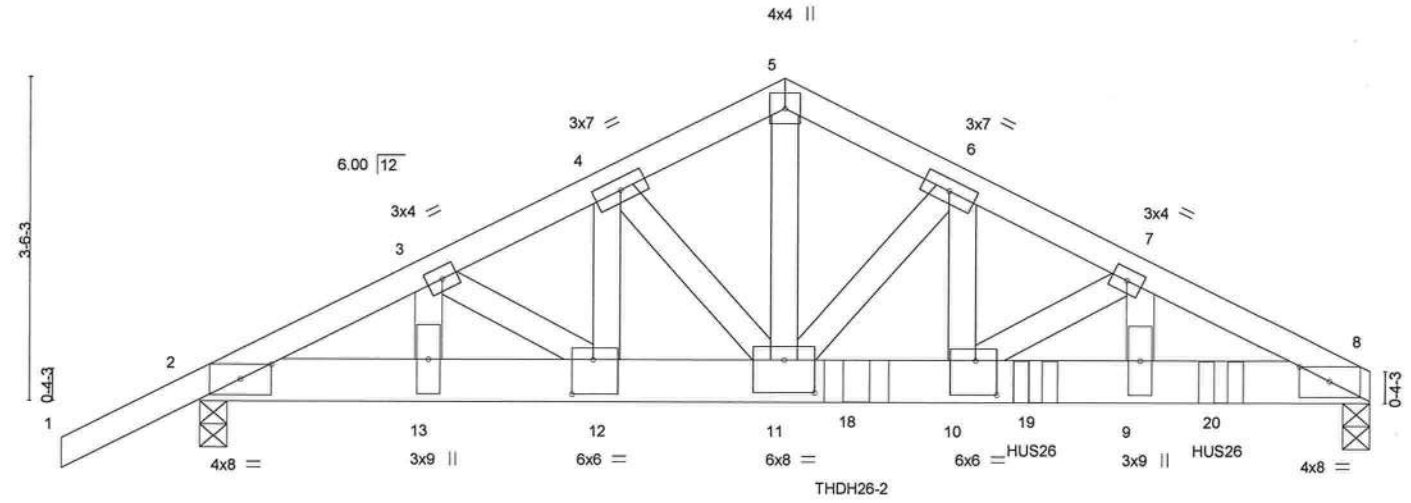
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:44 2020 Page 1

ID:8P4Cu44HWxg6E3_qQ1abnwzUnye-I1Ewxl5QdsHQGHkVDrQBYcSqy2jXE5eMV2Oo2uzT2EH

-1-6-0	2-5-11	4-4-13	6-4-0	8-3-3	10-2-5	12-8-0
1-6-0	2-5-11	1-11-3	1-11-3	1-11-3	1-11-3	2-5-11

Scale = 1:25.0



2-5-11	4-4-13	6-4-0	8-3-3	10-2-5	12-8-0
2-5-11	1-11-3	1-11-3	1-11-3	1-11-3	2-5-11

Plate Offsets (X,Y)-- [2:0-4-0,0-1-15], [8:0-4-0,0-1-15], [10:0-2-12,0-4-8], [11:0-4-0,0-4-4], [12:0-2-12,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.07	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.15	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.53	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 157 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-8-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-3-8, 2=0-3-8
Max Horz 2=62(LC 7)
Max Grav 8=4814(LC 1), 2=2721(LC 1)

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

TOP CHORD	2-3=-5371/0, 3-4=-5453/0, 4-5=-5562/0, 5-6=-5559/0, 6-7=-7906/0, 7-8=-9207/0
BOT CHORD	2-13=0/4783, 12-13=0/4783, 11-12=0/4859, 10-11=0/7064, 9-10=0/8231, 8-9=0/8231
WEBS	5-11=0/4733, 6-11=-3134/0, 6-10=0/3301, 7-10=-1379/0, 7-9=0/1203, 4-11=-177/286, 4-12=-280/86

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-3-0 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 7-10; 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) 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) Use USP THDH26-2 (With 20-16d nails into Girder & 8-16d nails into Truss) or equivalent at 7-1-8 from the left end to connect truss(es) to back face of bottom chord.
8) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 9-0-12 from the left end to 11-0-12 to connect truss(es) to back face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-60, 5-8=-60, 2-8=-20

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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 18=-3436(B) 19=-1498(B) 20=-1498(B)

Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	CJ1	Diagonal Hip Girder	2	1	T19918431
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Apr 7 17:08:45 2020 Page 1
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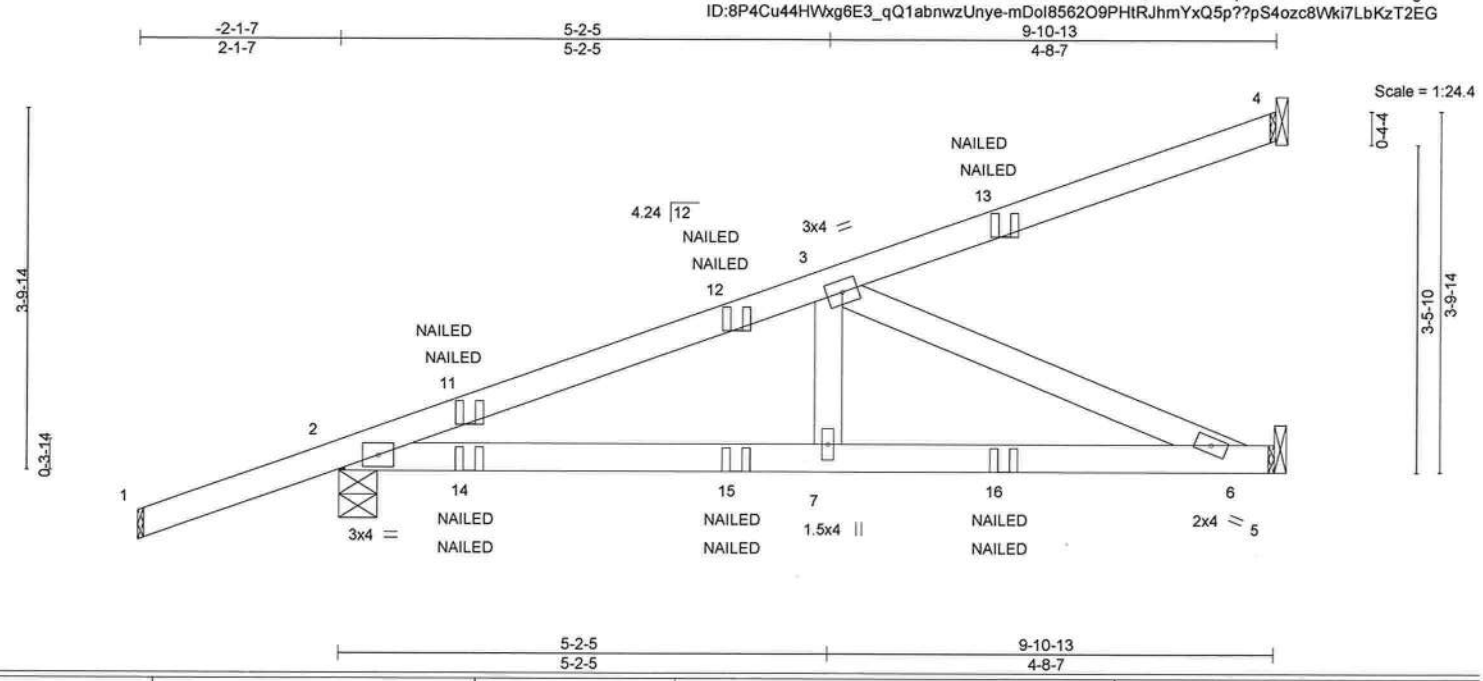

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.03	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.08	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 43 lb	FT = 0%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-4-15, 5=Mechanical
Max Horz 2=111(LC 24)
Max Uplift 4=-34(LC 8), 2=-97(LC 8)
Max Grav 4=141(LC 1), 2=477(LC 1), 5=326(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-743/0
BOT CHORD 2-7=-35/673, 6-7=-35/673
WEBS 3-7=0/268, 3-6=-731/38

NOTES-
1) Wind: ASCE 7-10; 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=57(F=29, B=29) 13=-82(F=-41, B=-41) 14=61(F=31, B=31) 15=-7(F=-3, B=-3) 16=-59(F=-30, B=-30)

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Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	J1	Jack-Open	21	1	T19918432
					Job Reference (optional)

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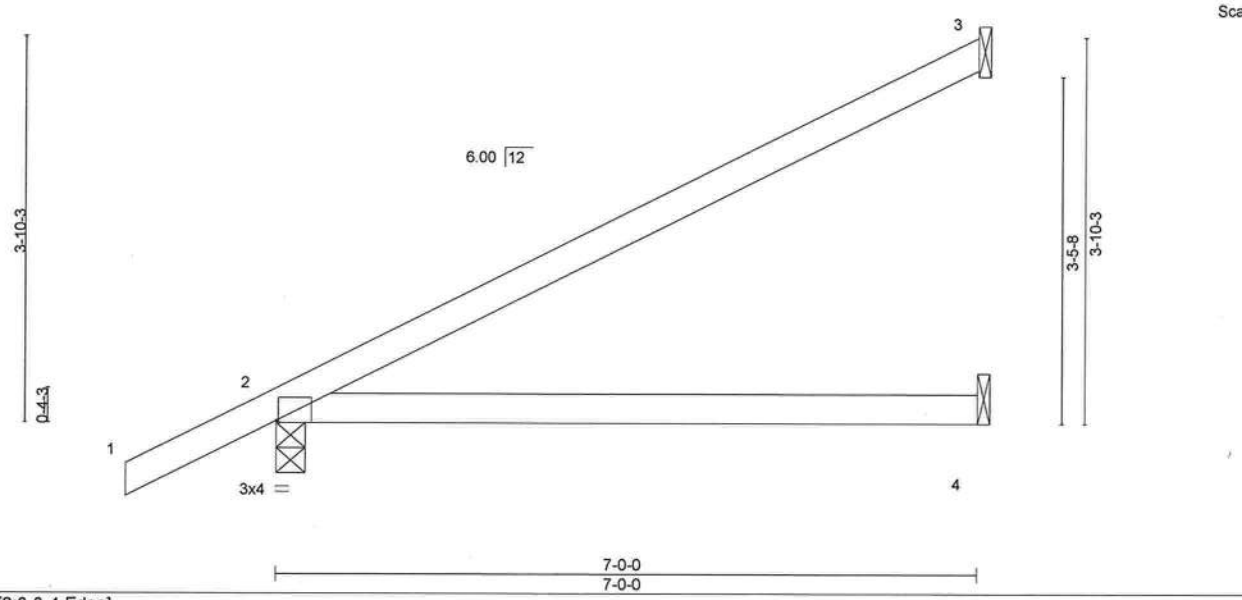

7-0-0 / 7-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	0.10	4-7	>852	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.21	4-7	>398	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 25 lb	FT = 0%

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

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

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

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

NOTES-
1) Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
6) 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	1580 Model
1580_Model	J1A	Jack-Open	1	1	T19918433
					Job Reference (optional)

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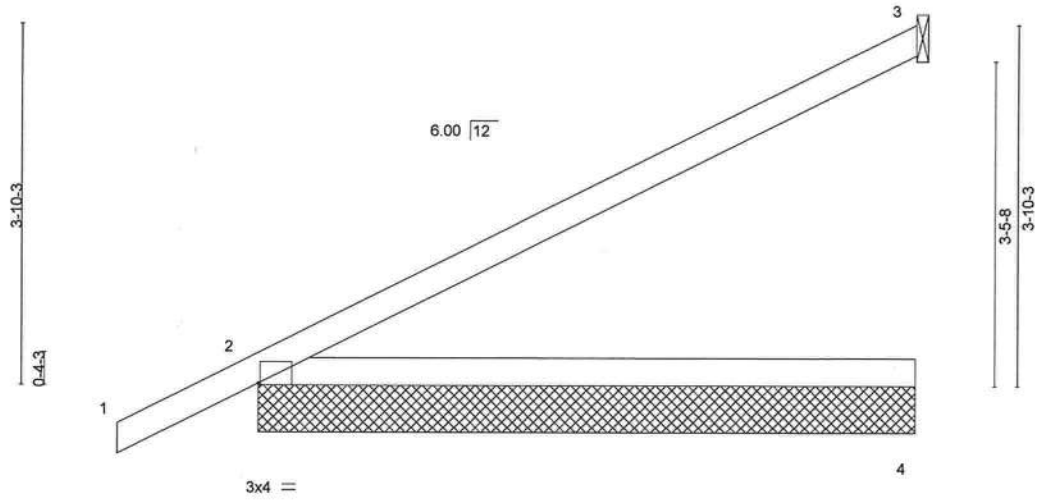

Plate Offsets (X,Y)-- [2:0-0-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	0.10	4-7	>842	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.22	4-7	>386	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 25 lb	FT = 0%

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. All bearings 7-0-0 except (jt=length) 3=Mechanical, 3=Mechanical.
(lb) - Max Horz 2=111(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 3, 2
Max Grav All reactions 250 lb or less at joint(s) 3, 3, 4 except 2=378(LC 1), 2=378(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 2.
6) 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	1580 Model
1580_Model	J1B	Roof Special	3	1	T19918434
					Job Reference (optional)

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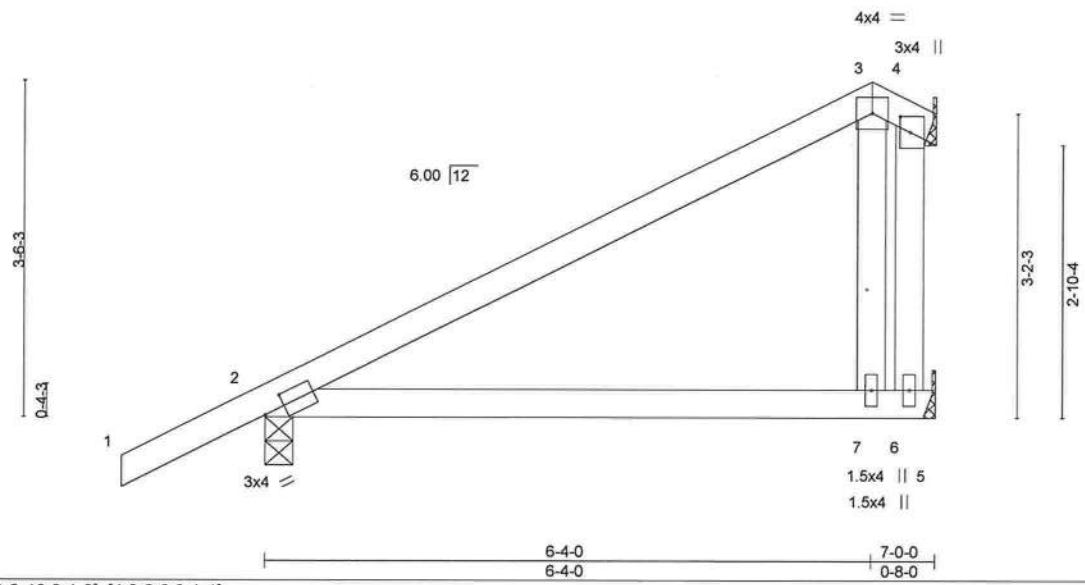

Plate Offsets (X,Y)-- [2:0-2-10,0-1-8], [4:0-2-0,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	0.10	7-10	>787	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.20	7-10	>408	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.04	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 33 lb	FT = 0%

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=Mechanical, 4=Mechanical
Max Horz 2=103(LC 11)
Max Uplift 2=-40(LC 12), 6=-2(LC 9), 4=-18(LC 12)
Max Grav 2=369(LC 1), 6=253(LC 1), 4=24(LC 18)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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, 6, 4.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

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Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	J2	Jack-Open	4	1	T19918435
					Job Reference (optional)

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-1-6-0 / 1-6-0 — 5-0-0 / 5-0-0

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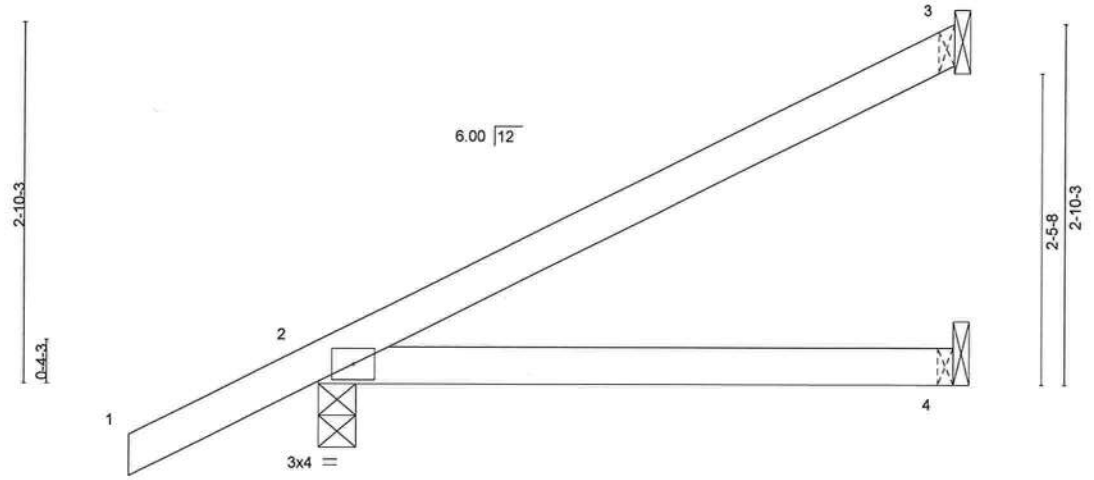

5-0-0 / 5-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 18 lb	FT = 0%

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

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

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

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

NOTES-
1) Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
6) 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	1580 Model
1580_Model	J3	Jack-Open	4	1	T19918436
					Job Reference (optional)

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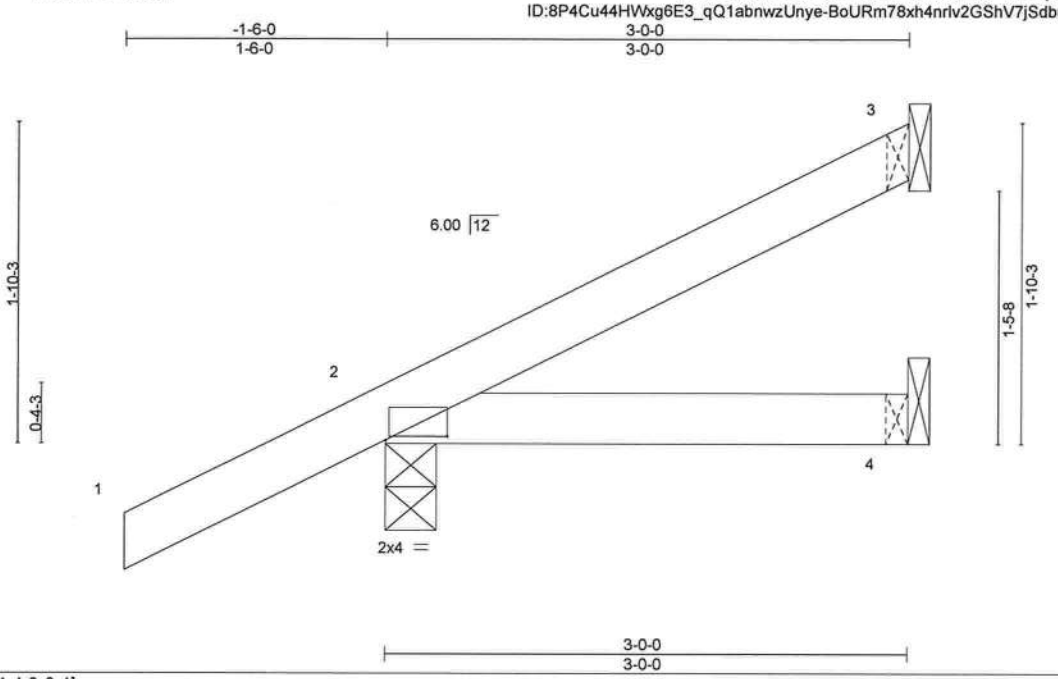


Plate Offsets (X,Y)-- [2:0-4-4,0-0-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	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 FBC2017/TPI2014		Matrix-MP							Weight: 12 lb	FT = 0%

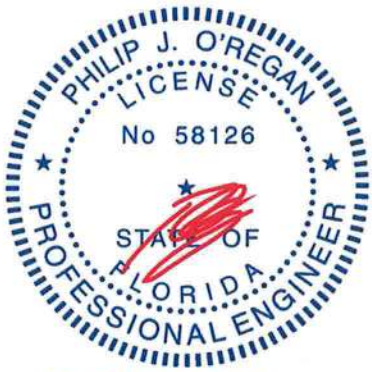
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=63(LC 12)
Max Uplift 3=-12(LC 12), 2=-40(LC 12)
Max Grav 3=65(LC 1), 2=230(LC 1), 4=50(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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Job	Truss	Truss Type	Qty	Ply	1580 Model
1580_Model	J4	Jack-Open	4	1	T19918437
					Job Reference (optional)

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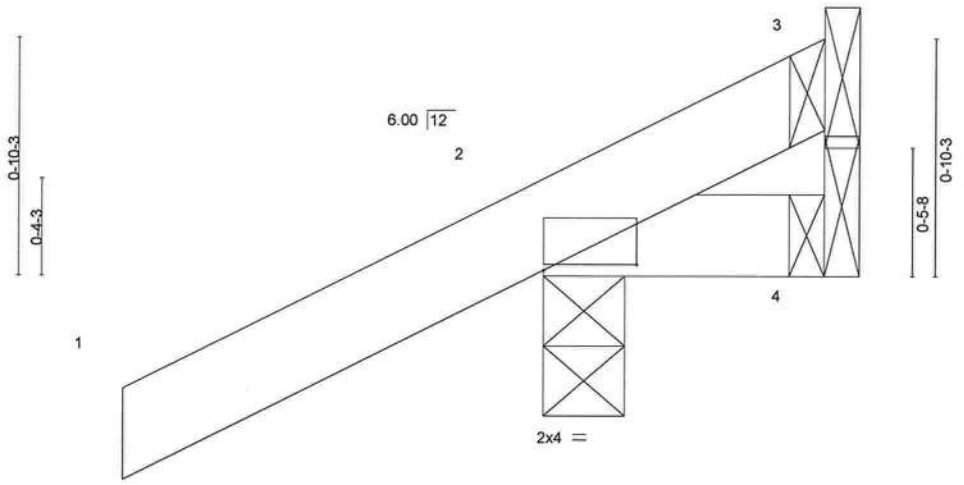


1-0-0
1-0-0

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	0.14	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 6 lb	FT = 0%

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

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

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

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

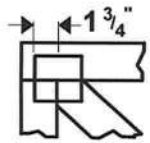
NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 7,2020

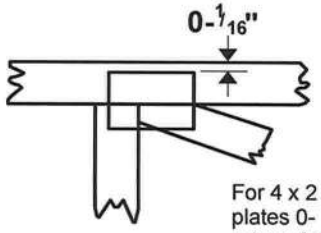
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

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

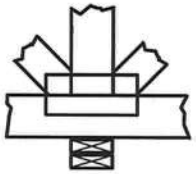
4 x 4

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

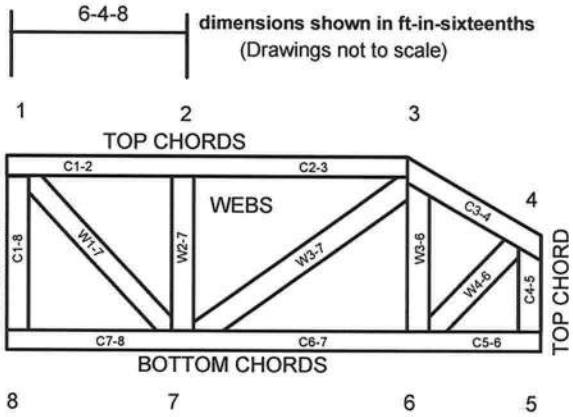


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

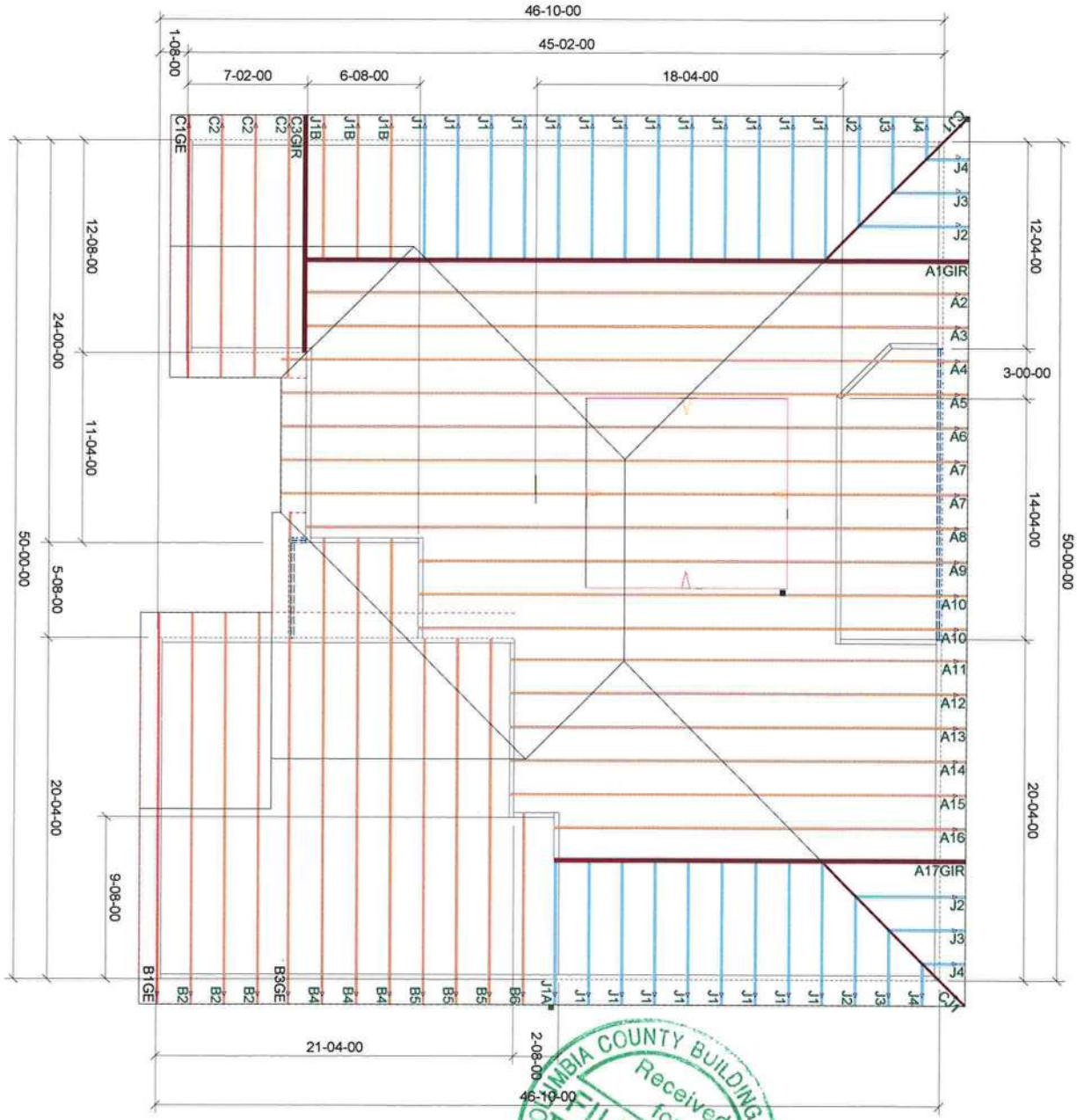
MiTek®

MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

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.



1580 Model

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: Adam's Construction Date: 4/7/2020 Quote Date: / / Seal Date: / / Designer: Stephanie Ramirez Job Number: 0420-007	Mayo Truss Company Inc. Ph. (386) 294-3988 Fax (386) 294-3981 mayotruss@windstream.net