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

RE: 1680_Model - 1680 Model

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

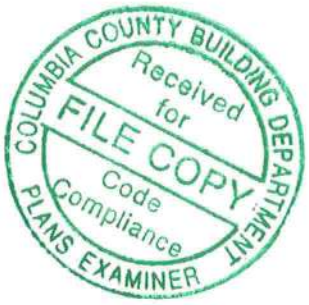
Site Information:
Customer Info: Adams construction Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Lake City State: Fl

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 18 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
1	T20017247	A1GE	4/20/20
2	T20017248	A2	4/20/20
3	T20017249	A2A	4/20/20
4	T20017250	A3	4/20/20
5	T20017251	A4	4/20/20
6	T20017252	A5	4/20/20
7	T20017253	A6	4/20/20
8	T20017254	A7	4/20/20
9	T20017255	A8GE	4/20/20
10	T20017256	B1GE	4/20/20
11	T20017257	B2	4/20/20
12	T20017258	B3	4/20/20
13	T20017259	B4	4/20/20
14	T20017260	B5	4/20/20
15	T20017261	C1GE	4/20/20
16	T20017262	C2	4/20/20
17	T20017263	C3GIR	4/20/20
18	T20017264	D1GE	4/20/20



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

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

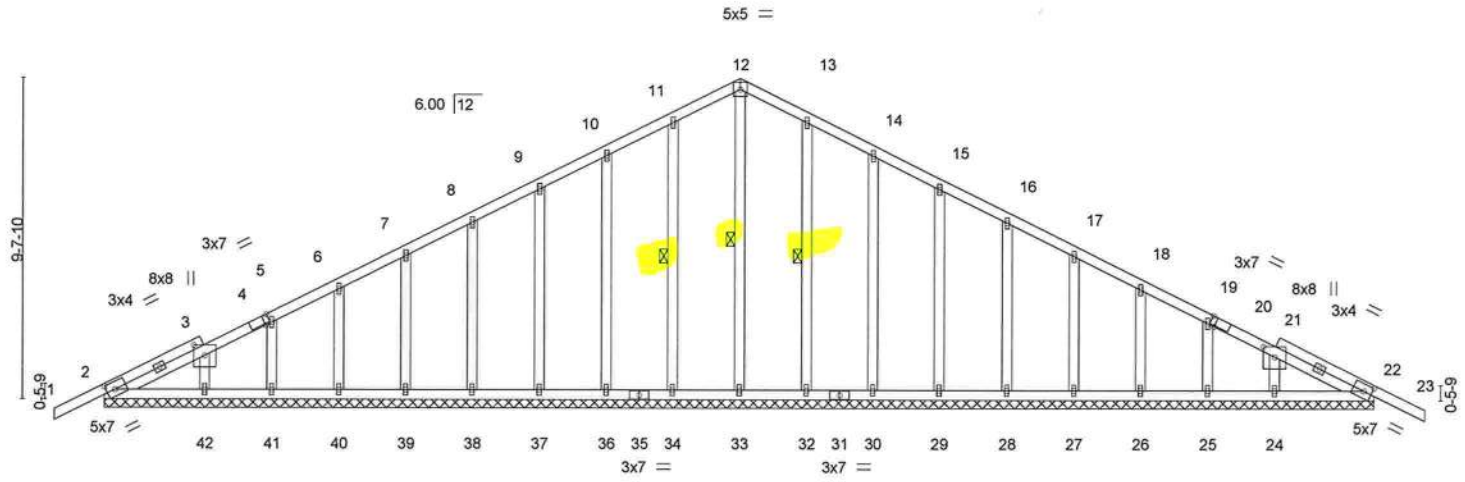
Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 20,2020

Job	Truss	Truss Type	Qty	Ply	1680 Model
1680_Model	A1GE	Common Supported Gable	1	1	T20017247
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:23 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-O03ty7yQdlloWOLVrHIMiCatLyKv_jkyDSPTw5zOoPQ

1-6-0 | 19-0-0 | 38-0-0
1-6-0 | 19-0-0 | 19-0-0

Scale = 1:69.0



38-0-0
38-0-0

Plate Offsets (X,Y)-- [2:0-2-15,0-2-9], [3:0-3-12,0-4-0], [4:0-1-14,Edge], [20:0-1-14,Edge], [21:0-3-12,0-4-0], [22:0-2-15,0-2-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	23	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.01	23	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	22	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 256 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.
WEBS 1 Row at midpt 12-33, 11-34, 13-32

REACTIONS. All bearings 38-0-0.
(lb) - Max Horz 2=-180(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 34, 36, 37, 38, 39, 40, 41, 32, 30, 29, 28, 27, 26, 25, 22
Max Grav All reactions 250 lb or less at joint(s) 2, 33, 34, 36, 37, 38, 39, 40, 41, 42, 32, 30, 29, 28, 27, 26, 25, 24, 22

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-109/289, 12-13=-109/289

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=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, 34, 36, 37, 38, 39, 40, 41, 32, 30, 29, 28, 27, 26, 25, 22.

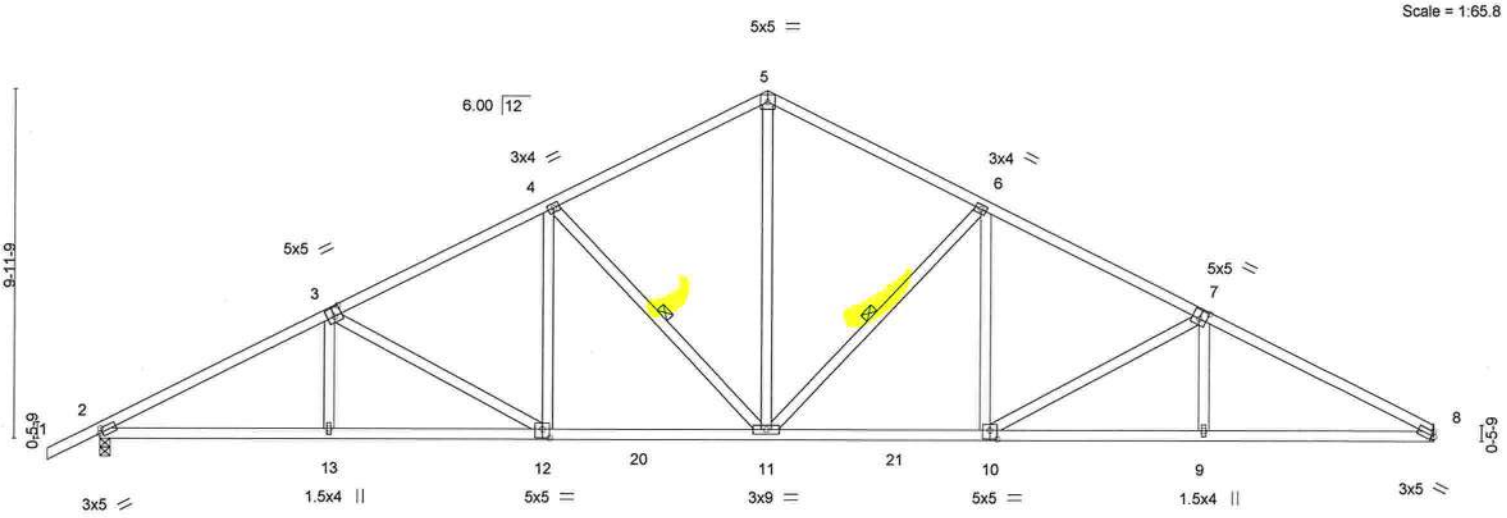
Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 20,2020

Job	Truss	Truss Type	Qty	Ply	1680 Model	T20017248
1680_Model	A2	Common	6	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:25 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-KOBdNp_g9v0VliVuyhLqndf9DmruSWxFgmua?zzOoPO

-1-6-0	6-6-8	12-9-4	19-0-0	25-2-12	31-5-8	38-0-0
1-6-0	6-6-8	6-2-12	6-2-12	6-2-12	6-2-12	6-6-8

Scale = 1:65.8



6-6-8	12-9-4	19-0-0	25-2-12	31-5-8	38-0-0
6-6-8	6-2-12	6-2-12	6-2-12	6-2-12	6-6-8

Plate Offsets (X,Y)-- [2:0-1-0,0-1-8], [3:0-2-8,0-3-0], [7:0-2-8,0-3-0], [8:0-1-0,0-1-8], [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	0.44	Vert(LL)	-0.16	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.34	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.13	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 210 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, 4-11

REACTIONS. (size) 2=0-3-8, 8=Mechanical
Max Horz 2=182(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1612(LC 1), 8=1518(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2812/668, 3-4=-2328/627, 4-5=-1781/570, 5-6=-1781/570, 6-7=-2332/629, 7-8=-2829/676
BOT CHORD 2-13=-508/2472, 12-13=-510/2470, 11-12=-339/2049, 10-11=-340/2006, 9-10=-519/2449, 8-9=-517/2452
WEBS 5-11=-313/1159, 6-11=-769/271, 6-10=-27/442, 7-10=-515/205, 4-11=-766/268, 4-12=-24/436, 3-12=-498/196

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) 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

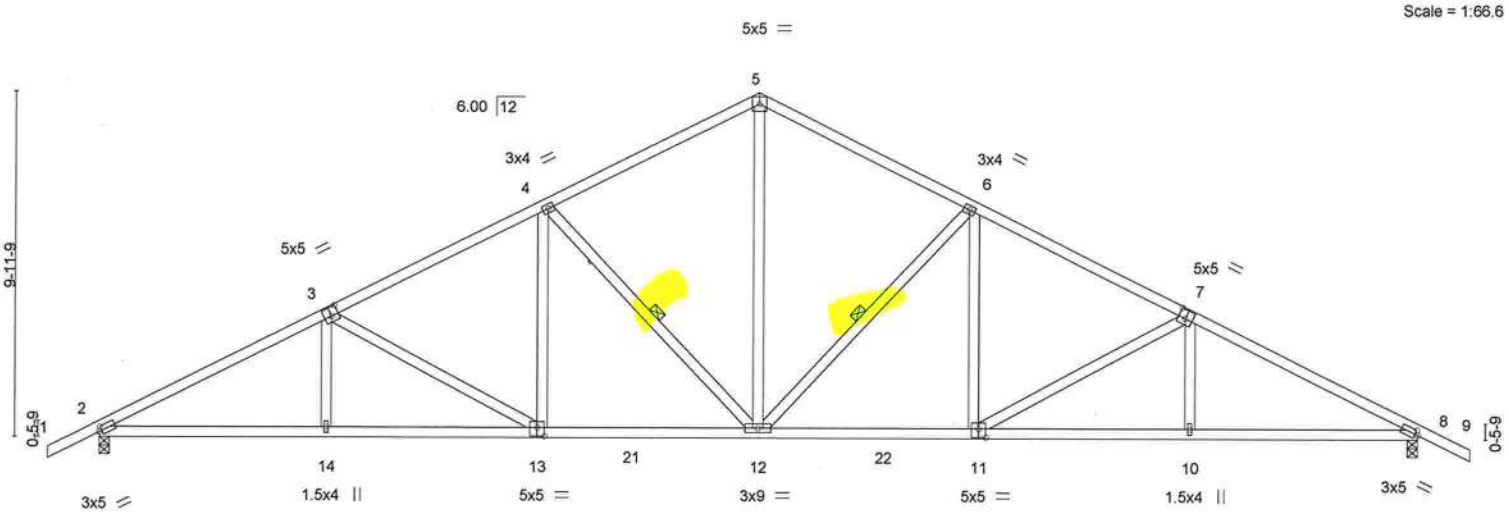
Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 20,2020

Job	Truss	Truss Type	Qty	Ply	1680 Model
1680_Model	A2A	Common	1	1	T20017249
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:26 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-obI?b9?IwD8MNs44WPs3KqCKz9B8B_HOvQd8XQzOoPN

-1-6-0	6-6-8	12-9-4	19-0-0	25-2-12	31-5-8	38-0-0	39-6-0
1-6-0	6-6-8	6-2-12	6-2-12	6-2-12	6-2-12	6-6-8	1-6-0

Scale = 1:66.6



6-6-8	12-9-4	19-0-0	25-2-12	31-5-8	38-0-0
6-6-8	6-2-12	6-2-12	6-2-12	6-2-12	6-6-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.16	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.34	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 213 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 6-12, 4-12

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-186(LC 10)
Max Uplift 2=-36(LC 12), 8=-36(LC 12)
Max Grav 2=1610(LC 1), 8=1610(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2808/664, 3-4=-2324/623, 4-5=-1777/566, 5-6=-1777/566, 6-7=-2324/623, 7-8=-2808/664
BOT CHORD 2-14=-466/2478, 13-14=-468/2475, 12-13=-306/2054, 11-12=-307/2000, 10-11=-478/2428, 8-10=-477/2430
WEBS 5-12=-310/1156, 6-12=-766/269, 6-11=-24/437, 7-11=-498/197, 4-12=-766/269, 4-13=-24/436, 3-13=-498/197

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;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, 8.
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.

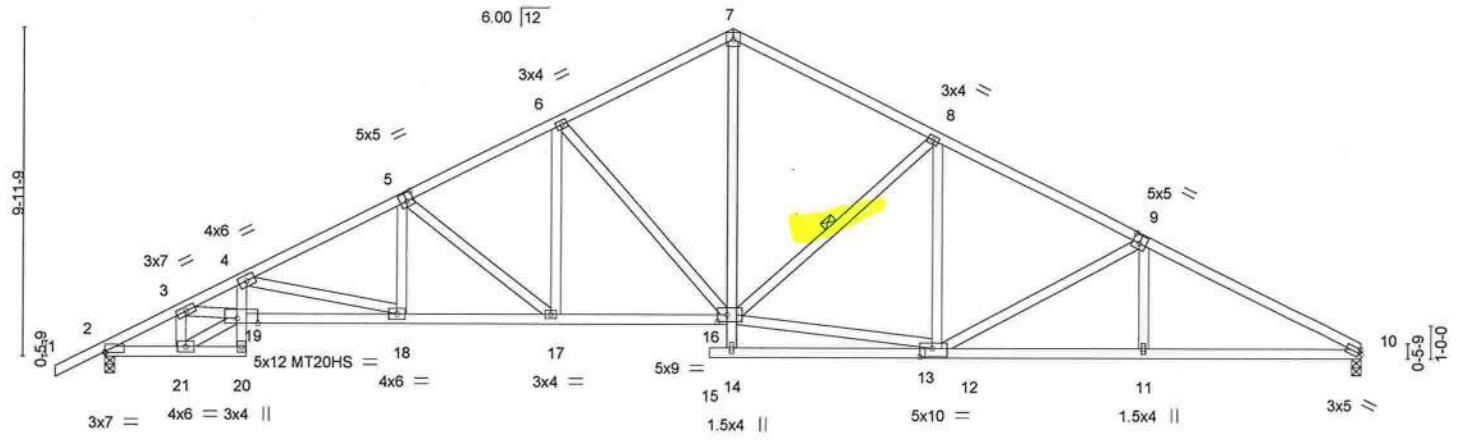
Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 20,2020

Job	Truss	Truss Type	Qty	Ply	1680 Model	T20017250
1680_Model	A3	Roof Special	4	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:27 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-HnJNoV?xhXGD_0fG46NIt2kU6ZU?wKyY74Nh3szOoPM

1-6-0	2-3-10	4-3-8	8-11-10	13-7-12	18-3-15	19-0-0	25-2-12	31-5-8	38-0-0
1-6-0	2-3-10	1-11-14	4-8-2	4-8-2	4-8-2	0-8-1	6-2-12	6-2-12	6-6-8

Scale = 1:69.9



2-3-10	4-3-8	8-11-10	13-7-12	18-3-15	19-0-0	25-2-12	31-5-8	38-0-0
2-3-10	1-11-14	4-8-2	4-8-2	4-8-2	0-8-1	6-2-12	6-2-12	6-6-8

Plate Offsets (X,Y)-- [2:0-0-0,0-0-5], [5:0-2-8,0-3-0], [9:0-2-8,0-3-0], [10:0-1-0,0-1-8], [12:0-1-12,0-0-0], [13:0-4-8,0-3-0], [13:0-0-0,0-1-12], [16:0-3-8,0-2-8], [19:0-7-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.25	17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.51	16-17	>890	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.26	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 232 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
16-19: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-16

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=182(LC 11)
Max Uplift 2=-34(LC 12)
Max Grav 2=1617(LC 1), 10=1523(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2688/608, 3-4=-5357/1209, 4-5=-3293/782, 5-6=-2583/674, 6-7=-1974/595, 7-8=-1964/583, 8-9=-2347/621, 9-10=-2839/671
BOT CHORD 2-21=-500/2336, 20-21=-93/359, 4-19=-221/1297, 18-19=-1076/4994, 17-18=-549/2900, 16-17=-349/2253, 11-12=-514/2458, 10-11=-512/2460
WEBS 3-21=-1447/339, 19-21=-479/2323, 3-19=-521/2444, 4-18=-2146/541, 5-18=-56/523, 5-17=-829/256, 6-17=-89/618, 6-16=-835/271, 7-16=-340/1348, 8-16=-527/225, 9-12=-510/208, 12-16=-338/2007

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) All plates are MT20 plates 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.
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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 20,2020

Job	Truss	Truss Type	Qty	Ply	1680 Model
1680_Model	A4	Roof Special	1	1	T20017251
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:29 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-DAR8DA1BD8WxEJpfBXPmyTqqrNALOFDrbOso8lzOoPK

1-6-0	2-3-10	4-3-8	8-11-10	13-7-12	18-3-15	19-0-0	25-1-2	31-2-4	34-6-0	39-0-0	40-6-0
1-6-0	2-3-10	1-11-14	4-8-2	4-8-2	4-8-2	0-8-1	6-1-2	6-1-2	3-3-12	4-6-0	1-6-0

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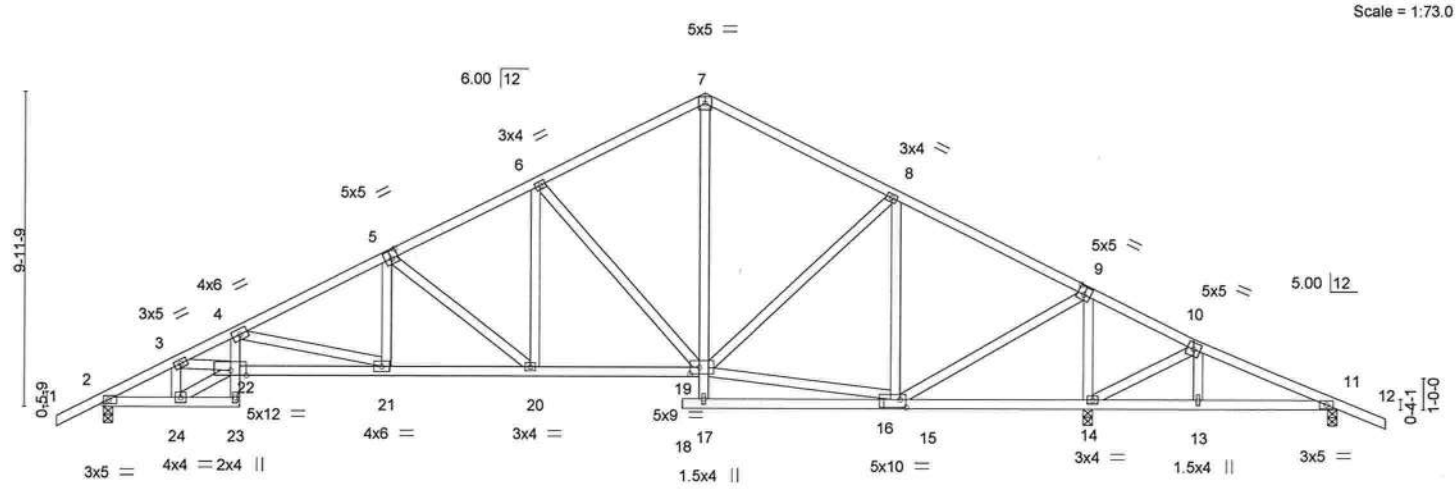

2-3-10	4-3-8	8-11-10	13-7-12	18-3-15	19-0-0	25-1-2	31-2-4	34-6-0	39-0-0
2-3-10	1-11-14	4-8-2	4-8-2	4-8-2	0-8-1	6-1-2	6-1-2	3-3-12	4-6-0

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [9:0-2-8,0-3-0], [15:0-1-12,0-0-0], [16:0-2-4,0-3-0], [16:0-0-0,0-1-12], [19:0-3-8,0-2-8]

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)	-0.16	21-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.33	21-22	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.15	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 245 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, 14=0-3-8, 11=0-3-8
Max Horz 2=-186(LC 10)
Max Uplift 2=-38(LC 12), 11=-216(LC 21)
Max Grav 2=1225(LC 1), 14=2149(LC 1), 11=98(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1949/448, 3-4=-3812/822, 4-5=-2211/532, 5-6=-1583/447, 6-7=-1011/378, 7-8=-1016/372, 8-9=-636/248, 9-10=-190/1162, 10-11=-164/869
BOT CHORD 2-24=-312/1687, 23-24=-65/254, 4-22=-123/962, 21-22=-674/3567, 20-21=-290/1932, 19-20=-114/1360, 14-15=-948/289, 13-14=-767/229, 11-13=-760/232
WEBS 3-24=-1037/224, 22-24=-291/1689, 3-22=-332/1711, 4-21=-1676/406, 5-21=-31/444, 5-20=-732/227, 6-20=-73/561, 6-19=-792/259, 7-19=-154/511, 8-19=0/461, 8-15=-831/234, 9-15=-291/1700, 9-14=-1928/484, 10-14=-289/97, 15-19=0/504

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=39ft; 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) 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 except (jt=lb) 11=216.
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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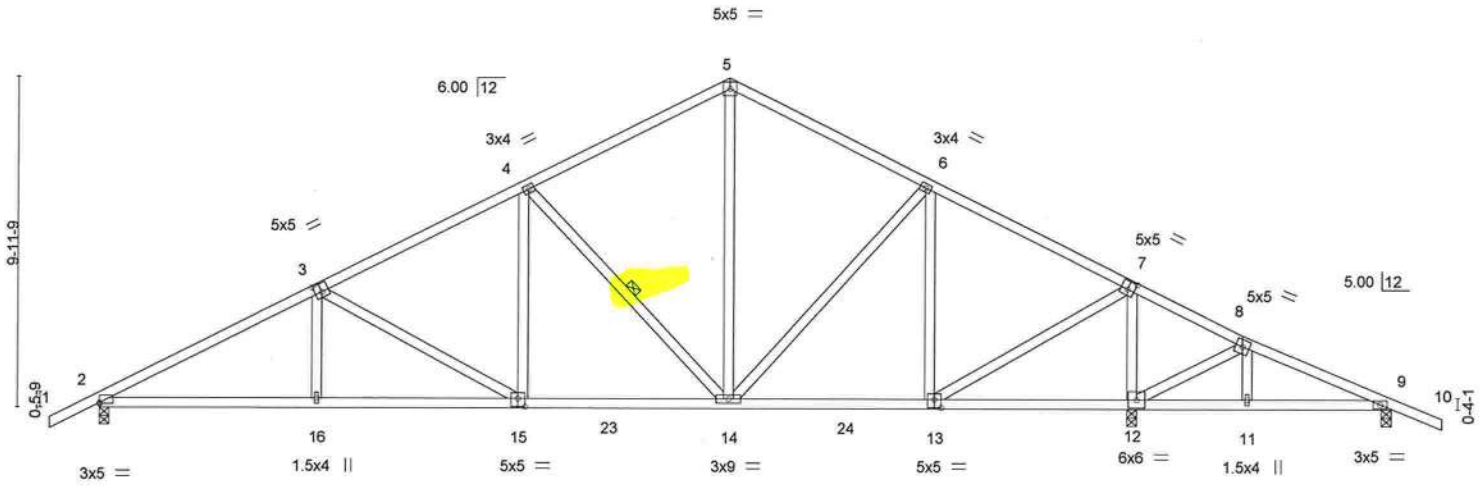
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 20,2020

Job	Truss	Truss Type	Qty	Ply	1680 Model	T20017252
1680_Model	A5	Roof Special	2	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:31 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-9YYues2RllmfTdy2JySE1uvCqAxss9i72iLvCdzOoPI

1-6-0	6-6-8	12-9-4	19-0-0	25-1-2	31-2-4	34-6-0	39-0-0	40-6-0
1-6-0	6-6-8	6-2-12	6-2-12	6-1-2	6-1-2	3-3-12	4-6-0	1-6-0

Scale = 1:69.5



6-6-8	12-9-4	19-0-0	25-1-2	31-2-4	34-6-0	39-0-0
6-6-8	6-2-12	6-2-12	6-1-2	6-1-2	3-3-12	4-6-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	0.13	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.18	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 224 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 4-14

REACTIONS. (size) 2=0-3-8, 12=0-3-8, 9=0-3-8
Max Horz 2=-186(LC 10)
Max Uplift 2=-295(LC 12), 12=-318(LC 12), 9=-28(LC 21)
Max Grav 2=1272(LC 1), 12=1889(LC 1), 9=216(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2094/1379, 3-4=-1587/1113, 4-5=-1032/816, 5-6=-1030/817, 6-7=-847/643, 7-8=-323/664, 8-9=-331/373
BOT CHORD 2-16=-1101/1795, 15-16=-1098/1793, 14-15=-731/1339, 13-14=-322/703, 12-13=-507/393, 11-12=-333/377, 9-11=-327/381
WEBS 3-15=-518/425, 4-15=-349/445, 4-14=-727/569, 5-14=-536/524, 6-14=-28/290, 6-13=-614/295, 7-13=-829/1404, 7-12=-1646/1002, 8-12=-307/60

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=39ft; 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 2=295, 12=318.
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 20,2020

Job	Truss	Truss Type	Qty	Ply	1680 Model
1680_Model	A6	Common	6	1	T20017253
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:31 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-9YYues2RllmfTdy2JySE1uv6AAxIsFG72iLvCdzOoPI

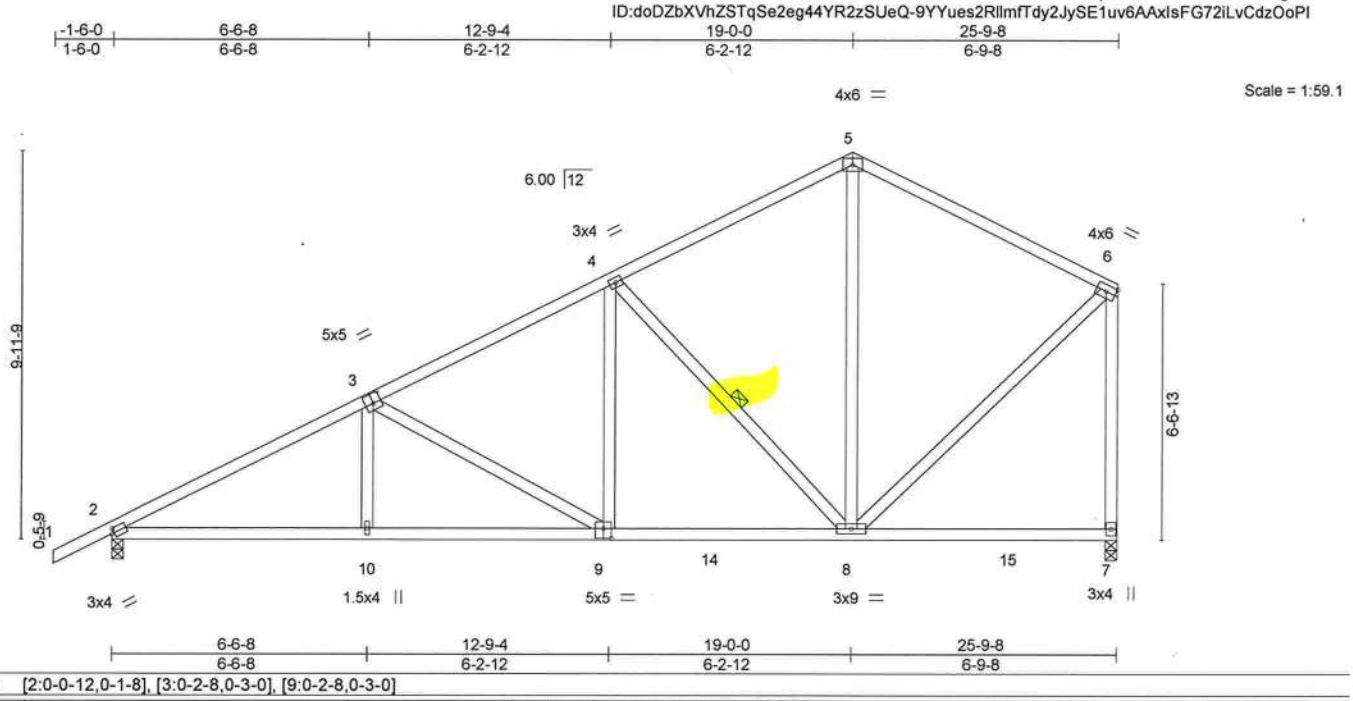


Plate Offsets (X,Y)-- [2:0-0-12,0-1-8], [3:0-2-8,0-3-0], [9:0-2-8,0-3-0]

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	0.73	Vert(LL)	-0.06	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.13	9-10	>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: 157 lb	FT = 0%

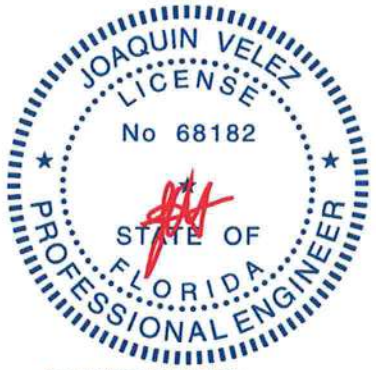
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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=255(LC 11)
Max Uplift 2=-35(LC 12), 7=-2(LC 12)
Max Grav 2=1118(LC 1), 7=1045(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1771/396, 3-4=-1252/355, 4-5=-697/299, 5-6=-696/294, 6-7=-961/312
BOT CHORD 2-10=-580/1557, 9-10=-582/1554, 8-9=-399/1102
WEBS 3-9=-531/210, 4-9=-34/446, 4-8=-757/270, 5-8=-55/284, 6-8=-203/751

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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April 20,2020

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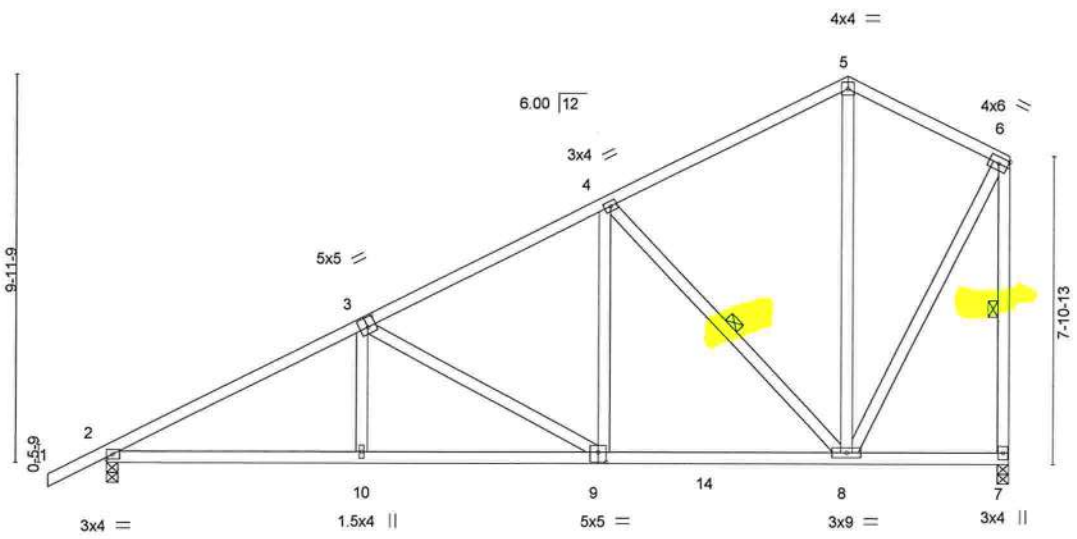
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	1680 Model	T20017254
1680_Model	A7	Common	4	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:32 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-dl6GrC33W3uW5nXEsgzTa5SNealzbiTHHM4Sl3zOoPH

-1-6-0	6-6-8	12-9-4	19-0-0	23-1-8
1-6-0	6-6-8	6-2-12	6-2-12	4-1-8

Scale = 1:59.1



6-6-8	12-9-4	19-0-0	23-1-8
6-6-8	6-2-12	6-2-12	4-1-8

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	0.36	Vert(LL)	-0.06	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.12	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: 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, 6-7

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=273(LC 11)
Max Uplift 2=-33(LC 12), 7=-4(LC 12)
Max Grav 2=1012(LC 1), 7=916(LC 1)

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

TOP CHORD	2-3=-1545/335, 3-4=-1022/291, 4-5=-465/237, 5-6=-416/256, 6-7=-886/288
BOT CHORD	2-10=-560/1350, 9-10=-561/1347, 8-9=-377/894
WEBS	3-9=-534/213, 4-9=-31/457, 4-8=-774/276, 6-8=-245/735

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, 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 20,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	1680 Model
1680_Model	A8GE	Common Supported Gable	1	1	T20017255
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:33 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-5xgf3Y4iHN0Nix6QQNUi6J_Ye_ihKFDQW0q?HWzOoPG

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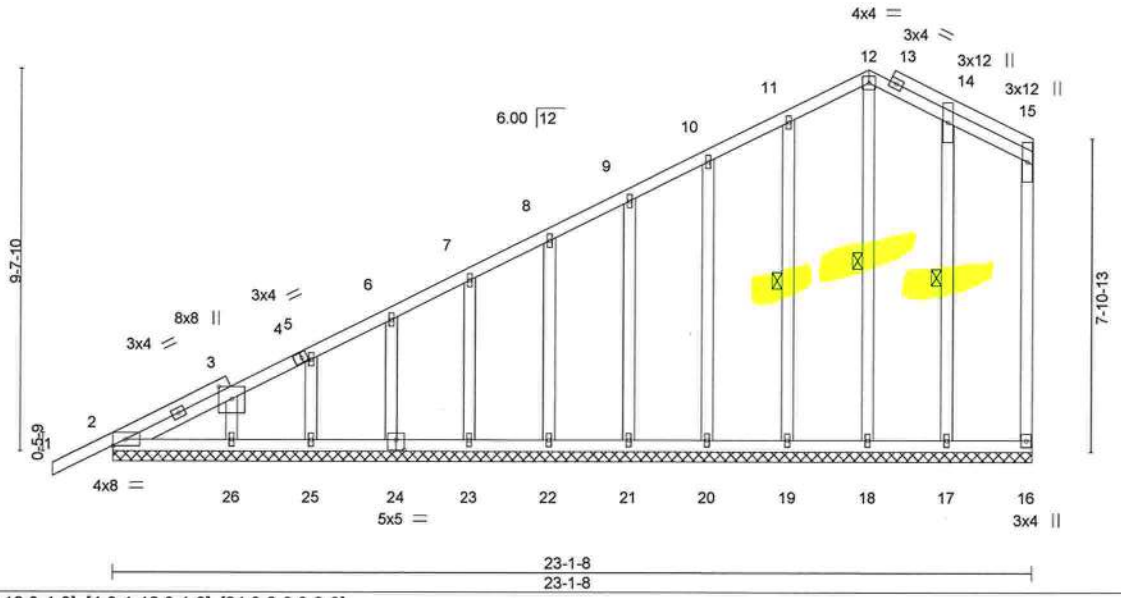
1-6-0 | 19-0-0 | 4-1-8

Scale = 1:58.0



23-1-8
23-1-8

Plate Offsets (X,Y)-- [3:0-3-12,0-4-0], [4:0-1-12,0-1-8], [24:0-2-8,0-3-0]

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	0.34	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 176 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 12-18, 11-19, 14-17

REACTIONS. All bearings 23-1-8.
(lb) - Max Horz 2=264(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 16, 2, 18, 19, 20, 21, 22, 23, 24, 25, 26, 17
Max Grav All reactions 250 lb or less at joint(s) 16, 2, 18, 19, 20, 21, 22, 23, 24, 25, 26, 17

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-401/212, 3-5=-336/184, 5-6=-305/176, 6-7=-259/162

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) 16, 2, 18, 19, 20, 21, 22, 23, 24, 25, 26, 17.

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Date:
April 20,2020

Job	Truss	Truss Type	Qty	Ply	1680 Model
1680_Model	B1GE	Common Supported Gable	1	1	T20017256
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:35 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-2KoPTE6yp_G5yEGpYoWABk4xKoQ5oAojzKJ6LOzOoPE

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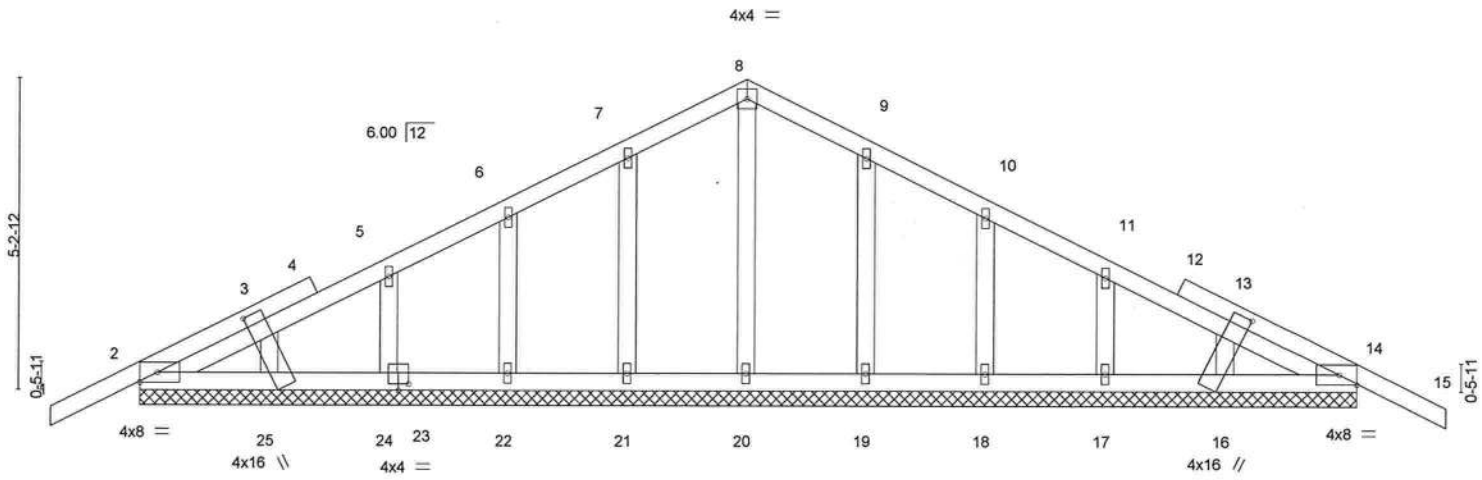
1-6-0 | 10-2-0 | 10-2-0 | 1-6-0

Scale = 1:38.6



20-4-0
20-4-0

Plate Offsets (X,Y)-- [3:0-0-0,0-1-15], [13:0-0-0,0-1-15], [16:0-0-13,0-1-9], [16:0-2-0,1-8-3], [23:0-2-0,0-1-4], [23:0-0-0,0-1-12], [24:0-1-12,0-0-0], [25:0-0-13,0-1-9], [25:0-2-0,1-8-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	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: 111 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, 24, 19, 18, 17
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 22, 24, 25, 19, 18, 17, 16

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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, 24, 19, 18, 17.

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Job	Truss	Truss Type	Qty	Ply	1680 Model
1680_Model	B2	Common	3	1	T20017257
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:36 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-WWMnhZ6aZIOxZOr?5V1Pkxc5qBhfXa0sC_2furzOoPD

-1-6-0	5-2-14	10-2-0	15-1-2	20-4-0	21-10-0
1-6-0	5-2-14	4-11-2	4-11-2	5-2-14	1-6-0

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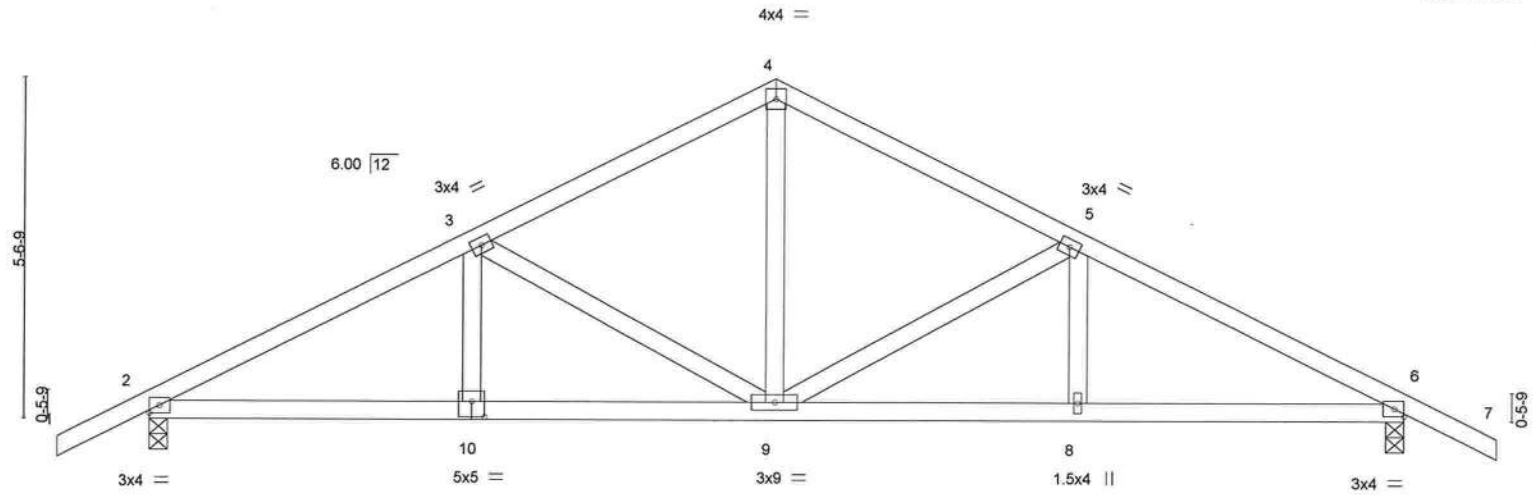

5-2-14	10-2-0	15-1-2	20-4-0
5-2-14	4-11-2	4-11-2	5-2-14

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	0.22	Vert(LL)	-0.04	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.09	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 100 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 11)
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=-1367/323, 3-4=-966/284, 4-5=-966/284, 5-6=-1367/323
BOT CHORD 2-10=-181/1162, 9-10=-181/1162, 8-9=-191/1162, 6-8=-191/1162
WEBS 4-9=-99/514, 5-9=-432/164, 3-9=-432/164

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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6904 Parke East Blvd. Tampa FL 33610
Date:
April 20,2020

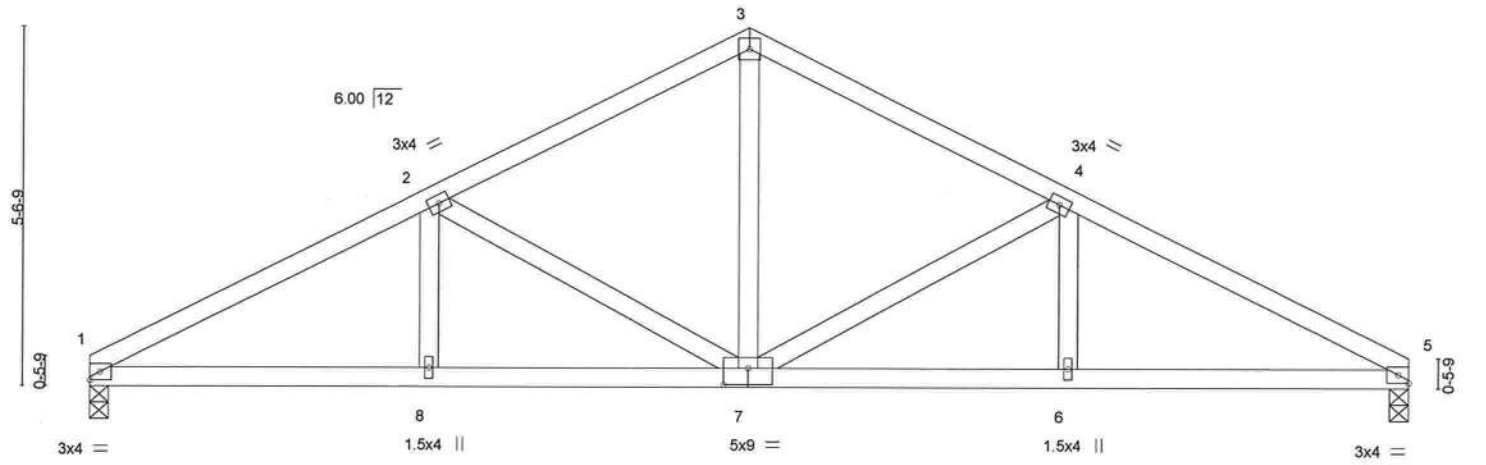
Job	Truss	Truss Type	Qty	Ply	1680 Model
1680_Model	B3	Common	6	1	T20017258
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:37 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-_iv9uv7CKbWoBYQBfDZeH99FTb0vG150ReoDQHzOoPC

5-2-14 | 10-2-0 | 15-1-2 | 20-4-0
5-2-14 | 4-11-2 | 4-11-2 | 5-2-14

4x4 =

Scale = 1:35.5



5-2-14 | 10-2-0 | 15-1-2 | 20-4-0
5-2-14 | 4-11-2 | 4-11-2 | 5-2-14

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

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	0.23	Vert(LL)	-0.04	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.09	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 95 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) 1=0-3-8, 5=0-3-8
Max Horz 1=-84(LC 10)
Max Grav 1=813(LC 1), 5=813(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1398/343, 2-3=-980/295, 3-4=-980/295, 4-5=-1398/343
BOT CHORD 1-8=-238/1193, 7-8=-238/1193, 6-7=-238/1193, 5-6=-238/1193
WEBS 3-7=-112/531, 4-7=-454/175, 2-7=-454/175

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) 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	1680 Model
1680_Model	B4	Flat	1	1	T20017259
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:37 2020 Page 1
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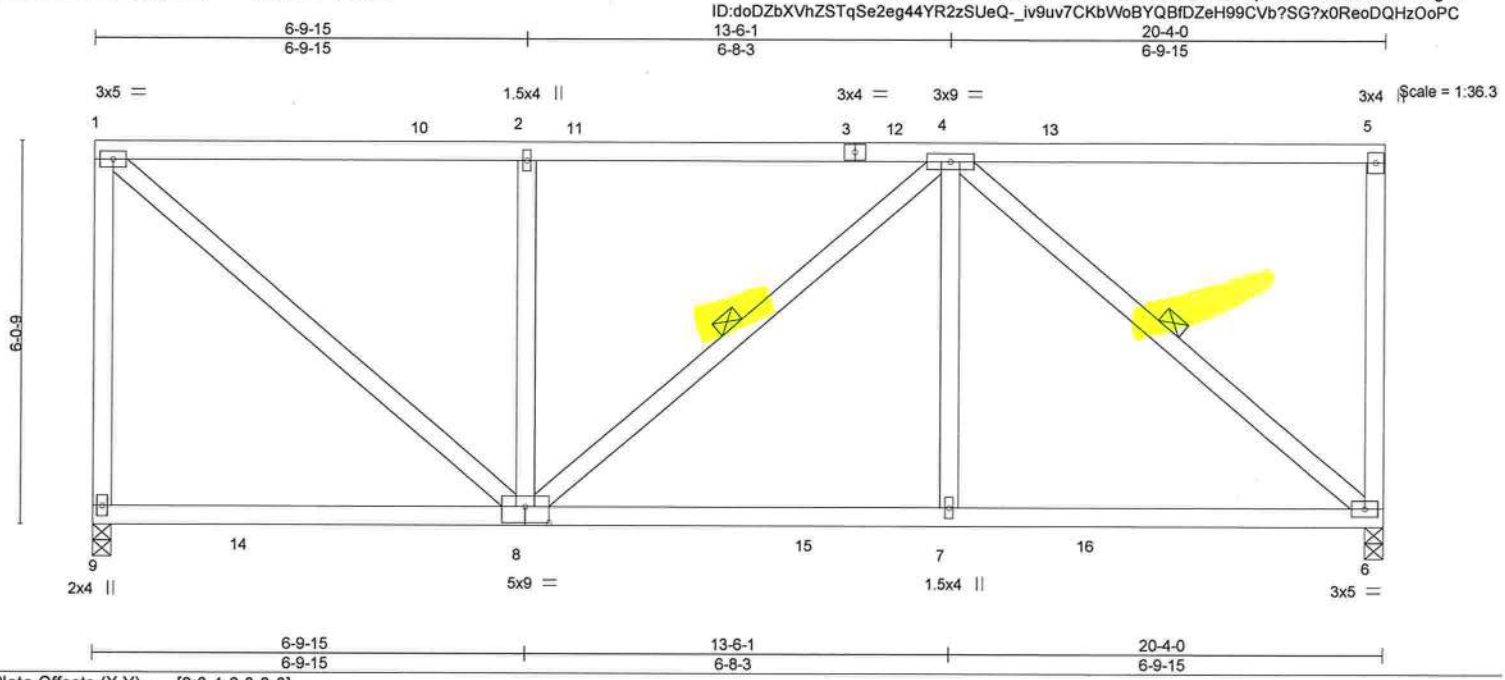

Plate Offsets (X,Y)-- [8:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.11	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 130 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, 4-6

REACTIONS. (size) 9=0-3-8, 6=0-3-8
Max Horz 9=-161(LC 8)
Max Uplift 9=-28(LC 8), 6=-28(LC 9)
Max Grav 9=831(LC 18), 6=816(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-739/228, 1-2=-685/177, 2-4=-685/177
BOT CHORD 7-8=-237/732, 6-7=-237/732
WEBS 1-8=-235/863, 2-8=-423/205, 4-7=0/300, 4-6=-919/236

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) Provide adequate drainage to prevent water ponding.
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) 9, 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	1680 Model
1680_Model	B5	Flat	1	1	T20017260

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:38 2020 Page 1
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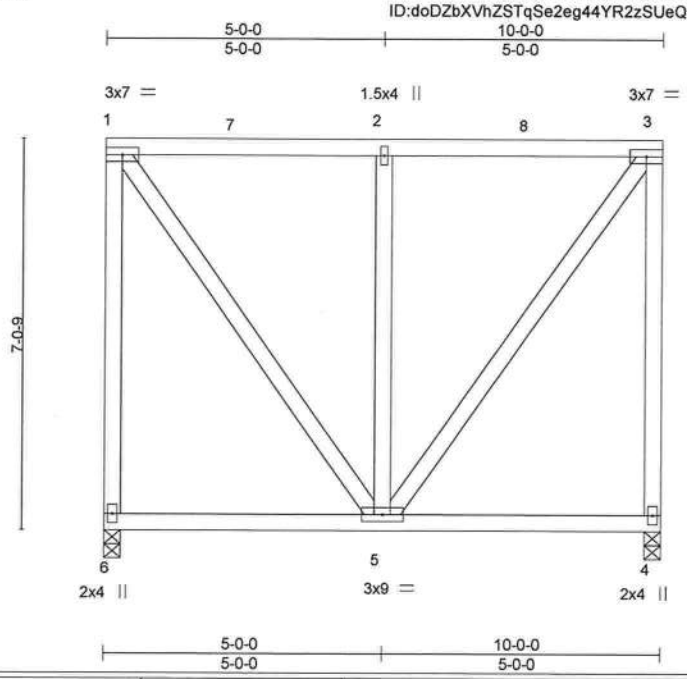

Scale = 1:41.5

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	0.02	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.03	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 82 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) 6=0-3-8, 4=0-3-8
Max Horz 6=-189(LC 8)
Max Uplift 6=-75(LC 8), 4=-75(LC 9)
Max Grav 6=392(LC 18), 4=392(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-348/279, 3-4=-348/279
BOT CHORD 5-6=-308/321
WEBS 1-5=-260/354, 2-5=-340/208, 3-5=-261/355

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) Provide adequate drainage to prevent water ponding.
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, 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	1680 Model
1680_Model	C1GE	Common Supported Gable	1	1	T20017261
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:39 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-w51wJb9SsDmWQsZaneb6MaEcKPnzkzAJuxHKU9zOoPA

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1-6-0 | 6-4-0 | 6-4-0 | 1-6-0

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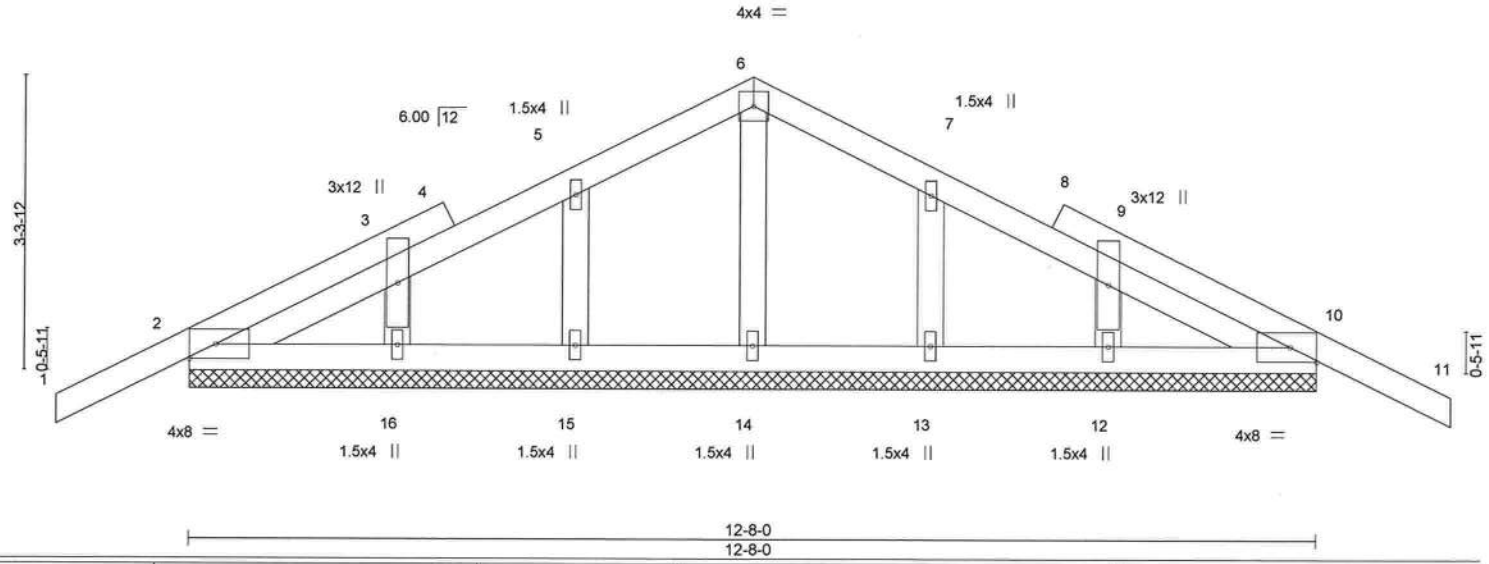

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 65 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.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 10.

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Job	Truss	Truss Type	Qty	Ply	1680 Model
1680_Model	C2	Common	3	1	T20017262

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:40 2020 Page 1

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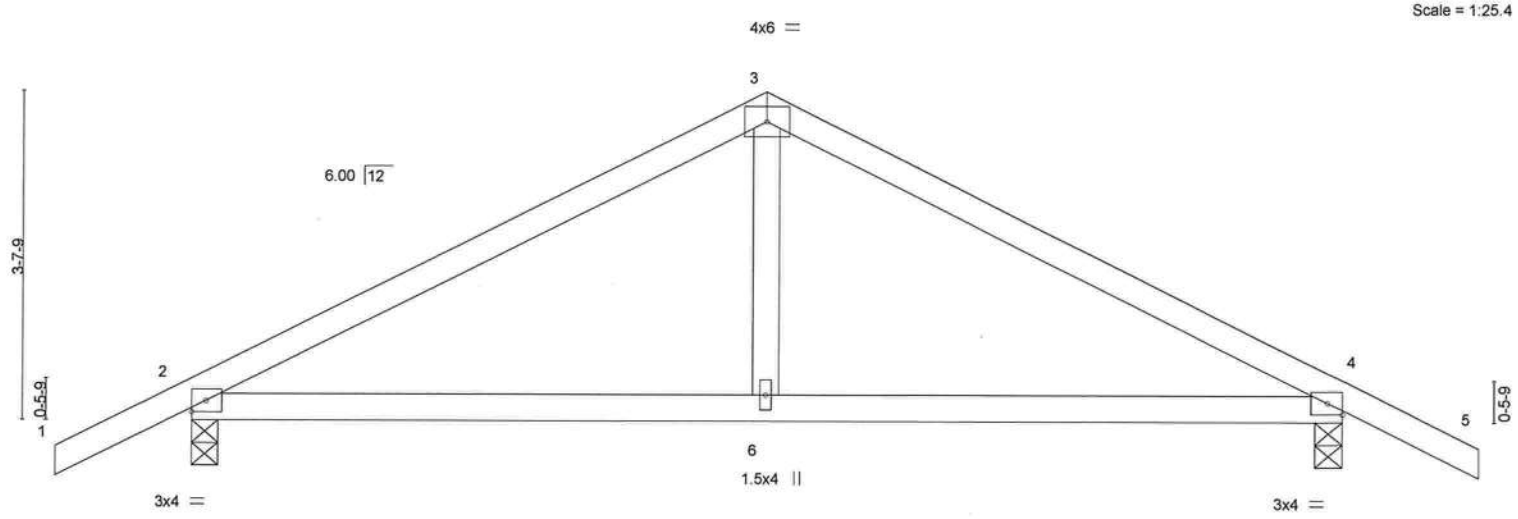

6-4-0 / 6-4-0 | 12-8-0 / 6-4-0

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	0.36	Vert(LL)	-0.03	6-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.07	6-9	>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=-682/194, 3-4=-682/194
BOT CHORD 2-6=-50/540, 4-6=-50/540
WEBS 3-6=0/277

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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April 20,2020

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Job	Truss	Truss Type	Qty	Ply	1680 Model
1680_Model	C3GIR	Common Girder	1	2	T20017263

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:41 2020 Page 1
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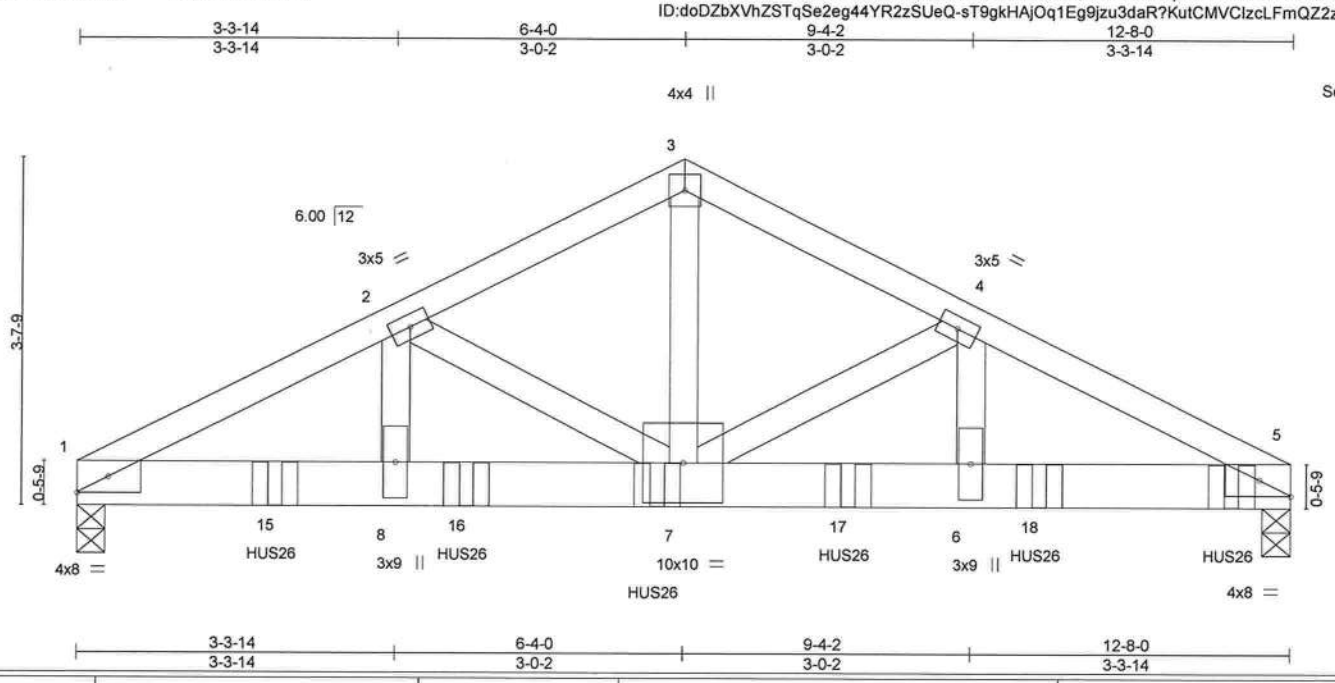


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.07	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.14	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 137 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 4-0-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=52(LC 24)
Max Grav 1=4457(LC 1), 5=5550(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-8085/0, 2-3=-5994/0, 3-4=-5995/0, 4-5=-8443/0
BOT CHORD 1-8=0/7202, 7-8=0/7202, 6-7=0/7531, 5-6=0/7531
WEBS 3-7=0/5089, 4-7=-2533/0, 4-6=0/2206, 2-7=-2153/0, 2-8=0/1881

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 0-7-0 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 HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 12-0-12 to connect truss(es) to front face of bottom chord.
8) 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: 1-3=-60, 3-5=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-1498(F) 14=-1502(F) 15=-1498(F) 16=-1498(F) 17=-1498(F) 18=-1498(F)

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 20,2020

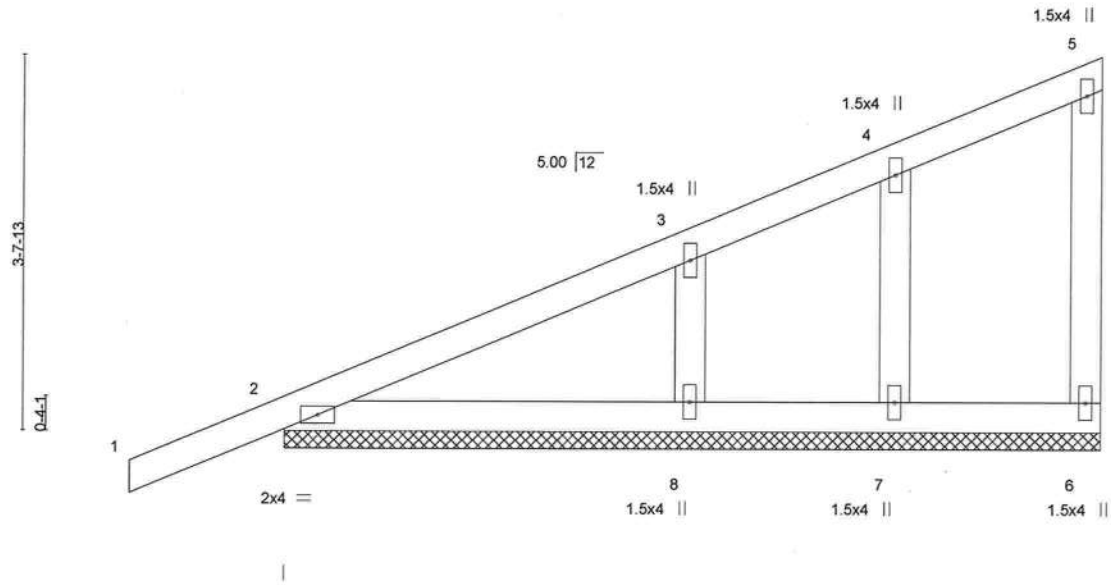
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	1680 Model
1680_Model	D1GE	Monopitch Supported Gable	1	1	T20017264
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Apr 20 14:25:42 2020 Page 1
ID:doDZbXVhZSTqSe2eg44YR2zSUeQ-Kgj2xdBL9895IJI9Sm8pzCs7ZcoJxKilavV_5UzOoP7

-1-6-0 1-6-0 | 7-11-8 7-11-8

Scale = 1:22.4



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	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 37 lb	FT = 0%

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

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

REACTIONS. All bearings 7-11-8.
(lb) - Max Horz 2=107(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 6, 2, 7
Max Grav All reactions 250 lb or less at joint(s) 6, 2, 7 except 8=284(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=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
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2, 7.

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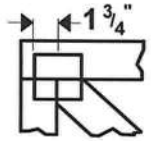
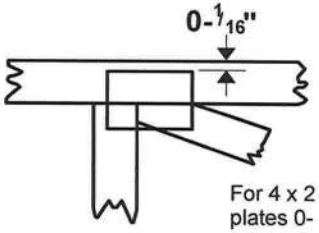
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

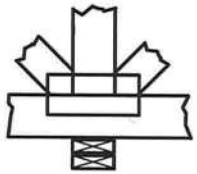
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING

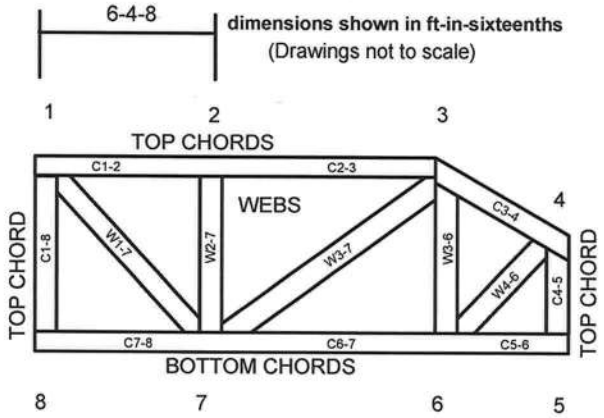


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

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

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

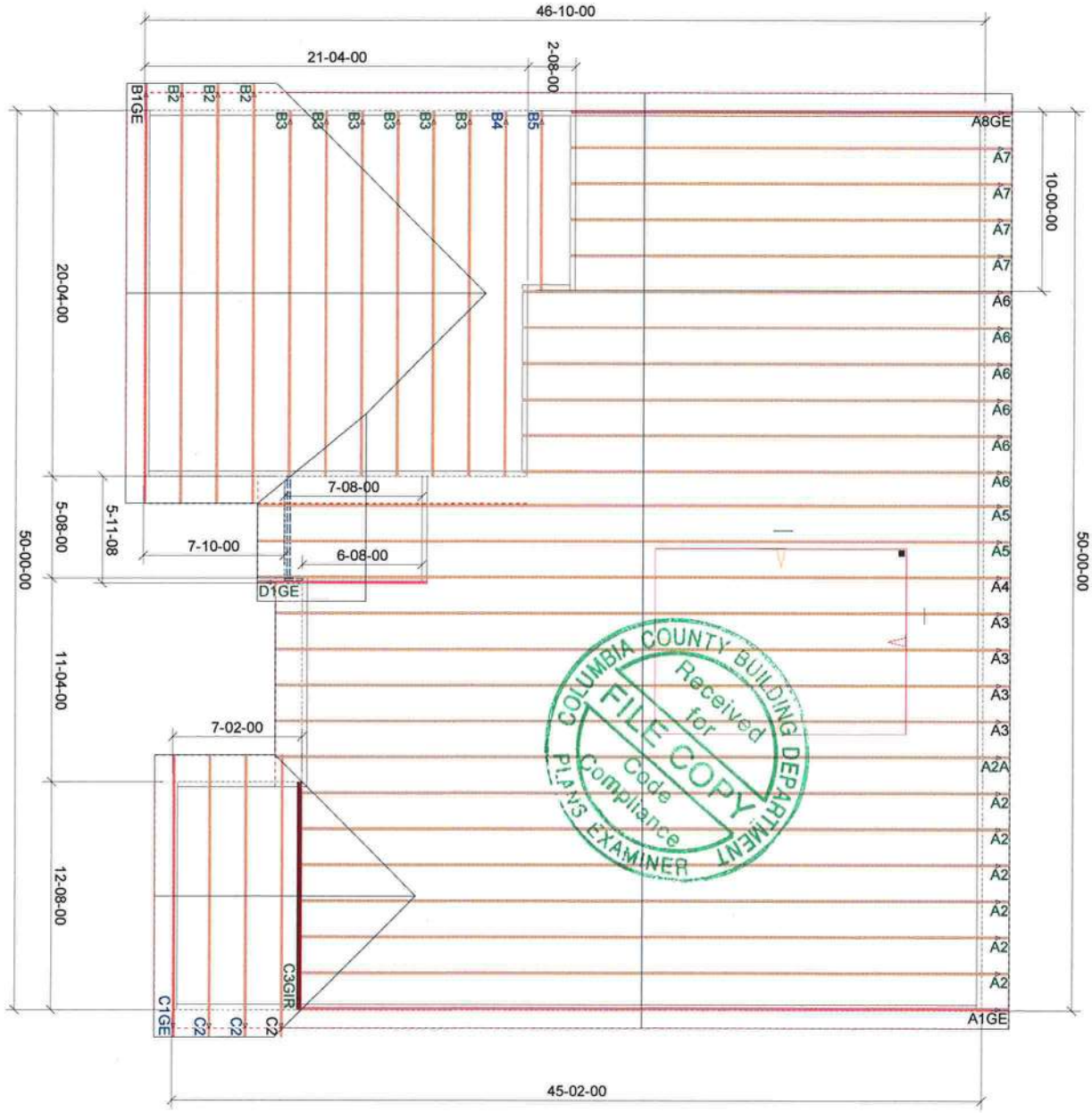
MiTek®

MiTek Engineering Reference Sheet: MII-7473 rev. 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.



1680 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: 4/20/2020 Quote Date: / / Seal Date: / / Designer: Stephanie Ramírez Job Number: 0420-017	Mayo Truss Company Inc. Ph. (386) 294-3988 Fax (386) 294-3981 mayotruss@windstream.net