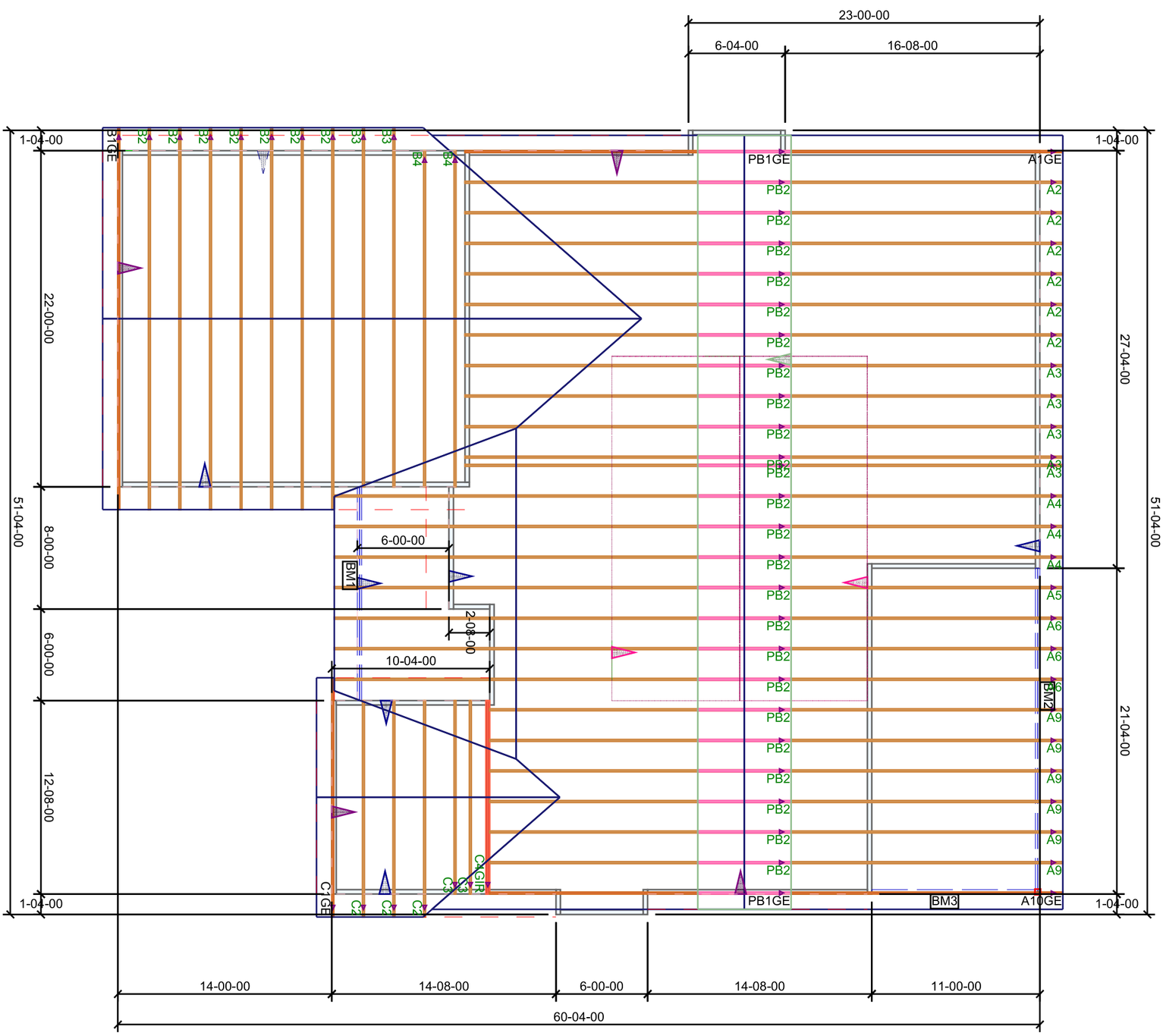


Lot 12

Roof Loading
TC Live: 20 psf
TC Dead: 10 psf
BC Live: 0 psf
BC Dead: 10 psf
Spacing: 2 O.C.

Client: Don Little Construction
Date: 6/23/2020
Quote Date: / /
Seal Date: / /
Designer: Stephanie Ramírez
Job Number: 0620-069

Mayo Truss Company Inc.

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

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

RE: Lot_12 - Lot 12

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

Site Information:
Customer Info: Don Little Construction Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County State: Fl

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

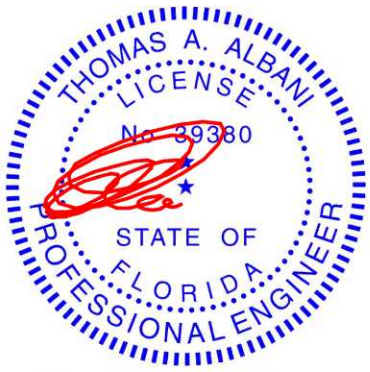
General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

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	T20545557	A1GE	6/23/20
2	T20545558	A2	6/23/20
3	T20545559	A3	6/23/20
4	T20545560	A4	6/23/20
5	T20545561	A5	6/23/20
6	T20545562	A6	6/23/20
7	T20545563	A9	6/23/20
8	T20545564	A10GE	6/23/20
9	T20545565	B1GE	6/23/20
10	T20545566	B2	6/23/20
11	T20545567	B3	6/23/20
12	T20545568	B4	6/23/20
13	T20545569	C1GE	6/23/20
14	T20545570	C2	6/23/20
15	T20545571	C3	6/23/20
16	T20545572	C4GIR	6/23/20
17	T20545573	PB1GE	6/23/20
18	T20545574	PB2	6/23/20

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



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 23,2020

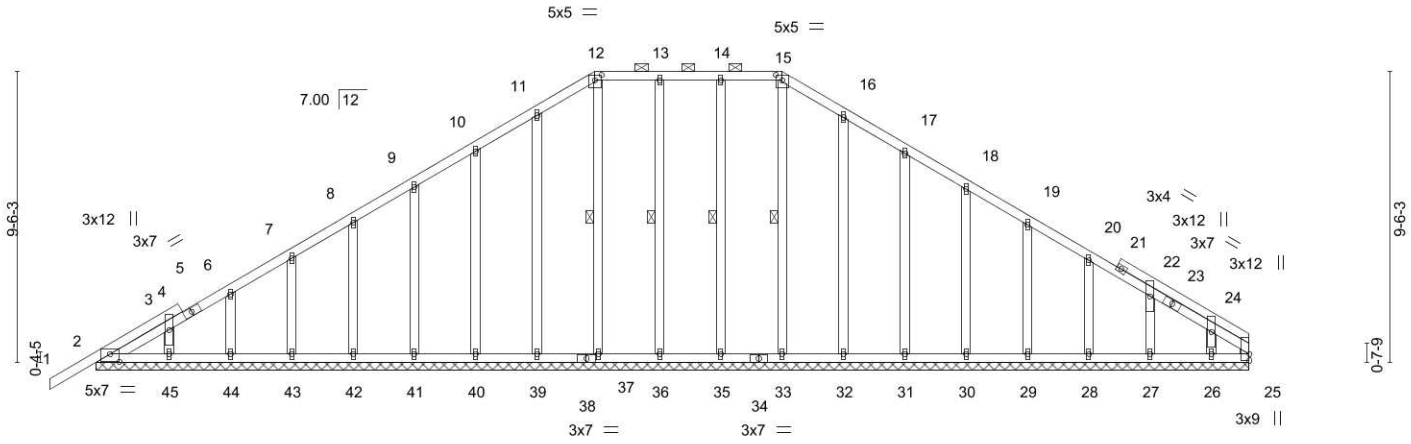
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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	Lot 12
LOT_12	A1GE	PIGGYBACK BASE SUPPO	1	1	T20545557
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:27:42 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-uV63zt5QBIfIjqYNTNezWYfJuABpl3MCS2Ce_z3MP?

1-6-0	16-3-5	22-4-11	37-7-8
1-6-0	16-3-5	6-1-5	15-2-13

Scale = 1:75.2



37-7-8
37-7-8

Plate Offsets (X,Y)-- [2:0-3-8,0-3-0], [12:0-2-8,0-2-1], [15:0-2-8,0-2-1]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	26	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 277 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, and 2-0-0 oc purlins (6-0-0 max.): 12-15.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 15-33, 14-35, 13-36, 12-37

REACTIONS. All bearings 37-7-8.
(lb) - Max Horz 2=179(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 39, 40, 41, 42, 43, 44, 32, 31, 30, 29, 28, 27
Max Grav All reactions 250 lb or less at joint(s) 2, 33, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 32, 31, 30, 29, 28, 27, 26

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-225/266, 15-16=-225/266

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) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 39, 40, 41, 42, 43, 44, 32, 31, 30, 29, 28, 27.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
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Date:

June 23,2020

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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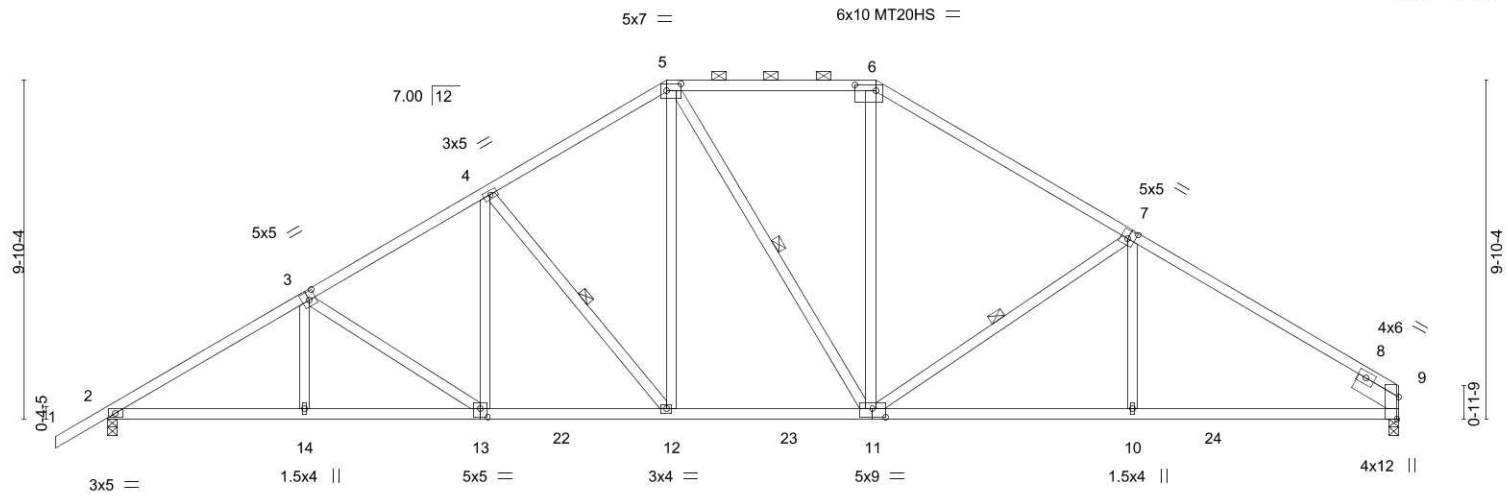
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	A2	PIGGYBACK BASE	6	1	T20545558
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:27:45 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-I4nBbv7IUD1taHGy9VCg7BHiG50c04NovQHsDJz3MOy

-1-6-0	5-8-13	11-0-1	16-3-5	22-4-11	29-10-5	37-7-8
1-6-0	5-8-13	5-3-4	5-3-4	6-1-5	7-5-11	7-9-3

Scale = 1:67.2



5-8-13	11-0-1	16-3-5	22-4-11	29-10-5	37-7-8
5-8-13	5-3-4	5-3-4	6-1-5	7-5-11	7-9-3

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-4], [6:0-7-8,0-2-0], [7:0-2-8,0-3-0], [9:0-7-9,Edge], [11:0-4-8,0-3-0], [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	0.70	Vert(LL)	-0.15	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.35	10-11	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.16	9	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 225 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 7-9: 2x4 SP SS
BOT CHORD	2x4 SP No.2 *Except* 9-11: 2x4 SP No.1
WEBS	2x4 SP No.2
SLIDER	Right 2x6 SP No.2 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-5-7 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 4-12, 5-11, 7-11

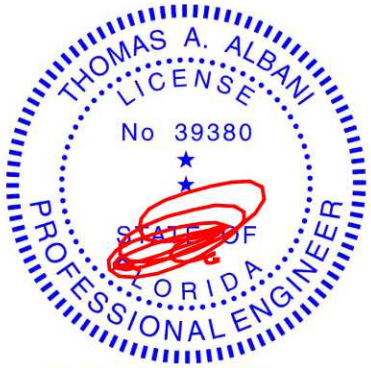
REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=179(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1597(LC 1), 9=1503(LC 1)

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

TOP CHORD	2-3=-2608/439, 3-4=-2211/440, 4-5=-1773/436, 5-6=-1458/416, 6-7=-1794/418, 7-9=-2233/404
BOT CHORD	2-14=-322/2289, 13-14=-323/2287, 12-13=-210/1935, 11-12=-92/1544, 10-11=-244/1815, 9-10=-243/1816
WEBS	3-13=-448/137, 4-13=-11/393, 4-12=-624/185, 5-12=-76/682, 6-11=-28/498, 7-11=-506/188, 7-10=0/258

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) 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.
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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Thomas A. Albani PE No.39380
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Date:

June 23,2020

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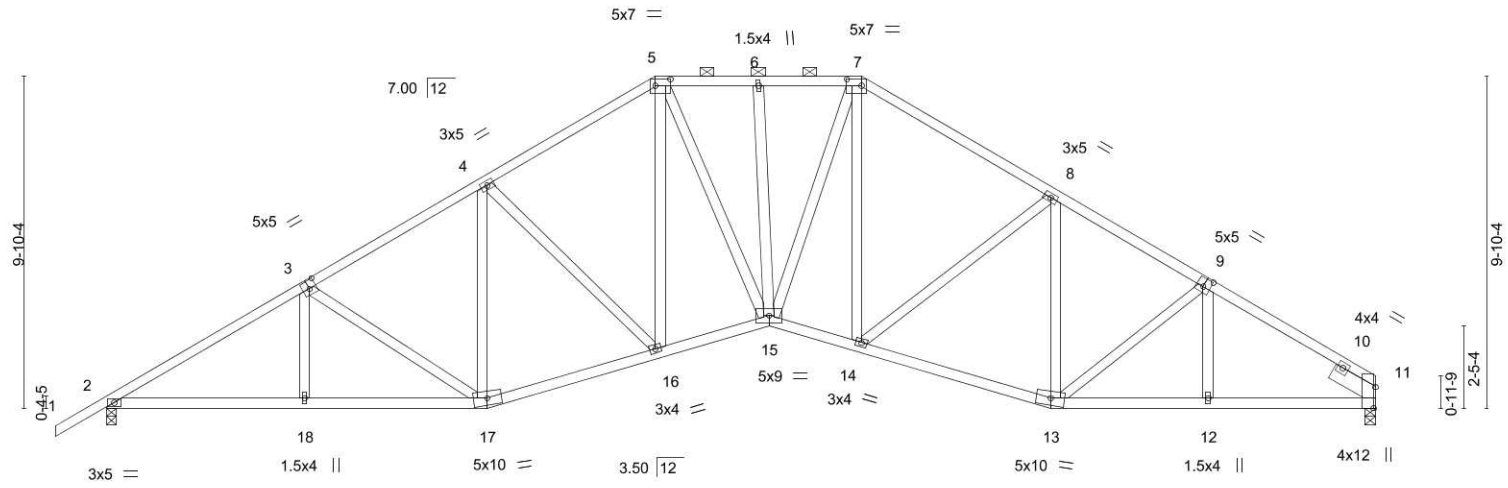
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	A3	PIGGYBACK BASE	5	1	T20545559
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:27:48 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-ifTKEx9Bn8PRRl?XqelNlpvBnJ?2DQsFbNWWqez3MOv

1-6-0	5-10-9	11-3-8	16-3-5	19-4-0	22-4-11	28-0-0	32-8-0	37-7-8
1-6-0	5-10-9	5-4-15	4-11-13	3-0-11	3-0-11	5-7-5	4-8-0	4-11-8

Scale = 1:68.4



5-10-9	11-3-8	16-3-5	19-7-12	22-4-11	28-0-0	32-8-0	37-7-8
5-10-9	5-4-15	4-11-13	3-4-7	2-8-15	5-7-5	4-8-0	4-11-8

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-4], [7:0-5-4,0-2-4], [9:0-2-8,0-3-0], [11:0-7-9,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	0.81	Vert(LL)	-0.15	15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.30	15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.17	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 248 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 9-11: 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except* 11-13: 2x4 SP No.1
WEBS 2x4 SP No.2
SLIDER Right 2x6 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-1-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=179(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 2=1597(LC 1), 11=1503(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2604/437, 3-4=-2181/440, 4-5=-2082/457, 5-6=-1983/454, 6-7=-1977/452, 7-8=-2108/449, 8-9=-2062/423, 9-11=-2177/384
BOT CHORD 2-18=-319/2182, 17-18=-320/2180, 16-17=-223/1902, 15-16=-120/1801, 14-15=-118/1809, 13-14=-221/1842, 12-13=-255/1771, 11-12=-254/1770
WEBS 3-17=-468/136, 5-16=-65/312, 5-15=-50/652, 7-15=-57/710, 8-13=-363/79

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) 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

June 23,2020

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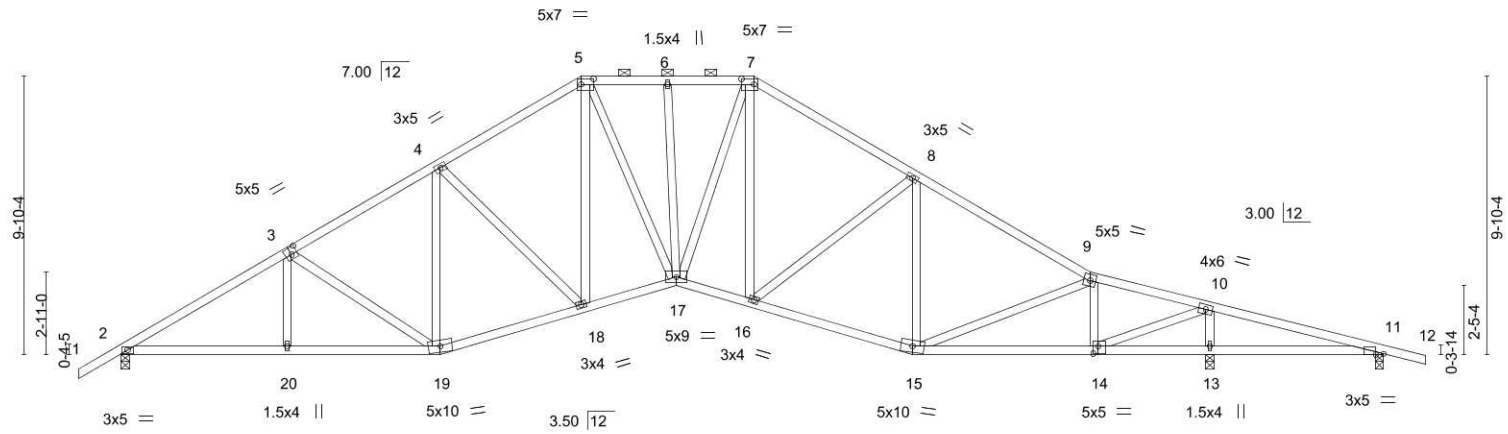
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	A4	PIGGYBACK BASE	3	1	T20545560
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:27:52 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-bQir3IDhrNvtwMJI3TqJwf4wVwTd99DqW?UkzPz3MOr

1-6-0	5-10-9	11-3-8	16-3-5	19-4-0	22-4-11	28-0-0	34-3-5	38-6-4	44-8-0	46-2-0
1-6-0	5-10-9	5-4-15	4-11-13	3-0-11	3-0-11	5-7-5	6-3-5	4-2-15	6-1-12	1-6-0

Scale = 1:81.6



5-10-9	11-3-8	16-3-5	19-7-12	22-4-11	28-0-0	34-3-5	38-6-4	44-8-0
5-10-9	5-4-15	4-11-13	3-4-7	2-8-15	5-7-5	6-3-5	4-2-15	6-1-12

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

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	0.57	Vert(LL)	-0.14	17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.28	17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.13	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 275 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 2-0-0 oc purlins (4-1-13 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 11=0-3-8
Max Horz 2=-181(LC 10)
Max Uplift 2=-37(LC 12), 13=-47(LC 12), 11=-105(LC 9)
Max Grav 2=1580(LC 1), 13=2154(LC 1), 11=62(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2571/434, 3-4=-2148/437, 4-5=-2043/439, 5-6=-1937/429, 6-7=-1931/426, 7-8=-2056/431, 8-9=-2037/406, 9-10=-1536/282, 10-11=-142/1150
BOT CHORD 2-20=-252/2154, 19-20=-253/2152, 18-19=-161/1873, 17-18=-48/1766, 16-17=-43/1759, 15-16=-161/1769, 14-15=-179/1555, 13-14=-1069/182, 11-13=-1069/182
WEBS 3-19=-468/136, 5-18=-81/315, 5-17=-28/630, 7-17=-39/713, 8-15=-418/99, 9-14=-932/232, 10-14=-358/2711, 10-13=-1989/413

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=45ft; 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 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, 13 except (jt=lb) 11=105.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

June 23,2020

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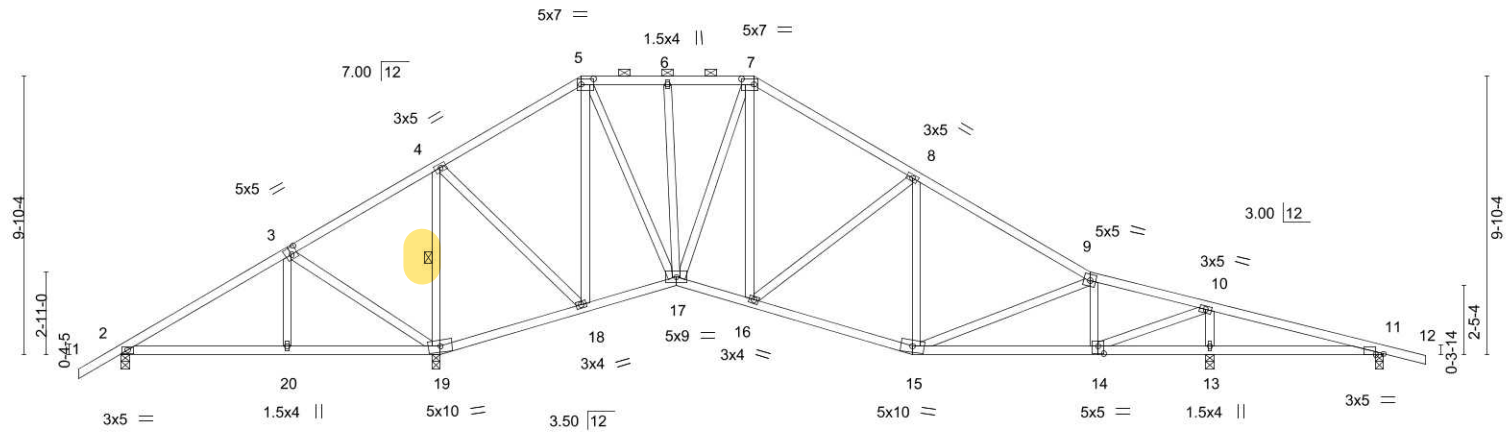
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	A5	PIGGYBACK BASE	1	1	T20545561
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:27:55 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-??OziKFa7IISnq1tkcN0XliTI7W9MRUHCziOakz3MOo

1-6-0	5-10-9	11-3-8	16-3-5	19-4-0	22-4-11	28-0-0	34-3-5	38-6-4	44-8-0	46-2-0
1-6-0	5-10-9	5-4-15	4-11-13	3-0-11	3-0-11	5-7-5	6-3-5	4-2-15	6-1-12	1-6-0

Scale = 1:81.6



5-10-9	11-1-12	11-3-8	16-3-5	19-7-12	22-4-11	28-0-0	34-3-5	38-6-4	44-8-0
5-10-9	5-3-3	0-1-12	4-11-13	3-4-7	2-8-15	5-7-5	6-3-5	4-2-15	6-1-12

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-4], [7:0-5-4,0-2-4], [11:0-3-4,Edge], [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)	-0.07	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.15	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 275 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 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-19

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-181(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 13, 11 except 2=-127(LC 12), 19=-109(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 11 except 2=342(LC 21), 19=1892(LC 1), 13=1406(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-59/588, 4-5=-361/134, 5-6=-544/177, 6-7=-537/174, 7-8=-828/209, 8-9=-1099/235, 9-10=-1034/185, 10-11=-36/504
BOT CHORD 18-19=-508/286, 17-18=0/276, 16-17=0/662, 15-16=-8/931, 14-15=-76/1019, 13-14=-443/79, 11-13=-443/79
WEBS 3-20=-156/250, 3-19=-475/362, 4-19=-1396/241, 4-18=-43/986, 5-18=-786/108, 5-17=-62/764, 7-17=-308/133, 7-16=-106/418, 8-16=-387/202, 9-14=-478/152, 10-14=-147/1514, 10-13=-1256/284

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=45ft; 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 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) 13, 11 except (jt=lb) 2=127, 19=109.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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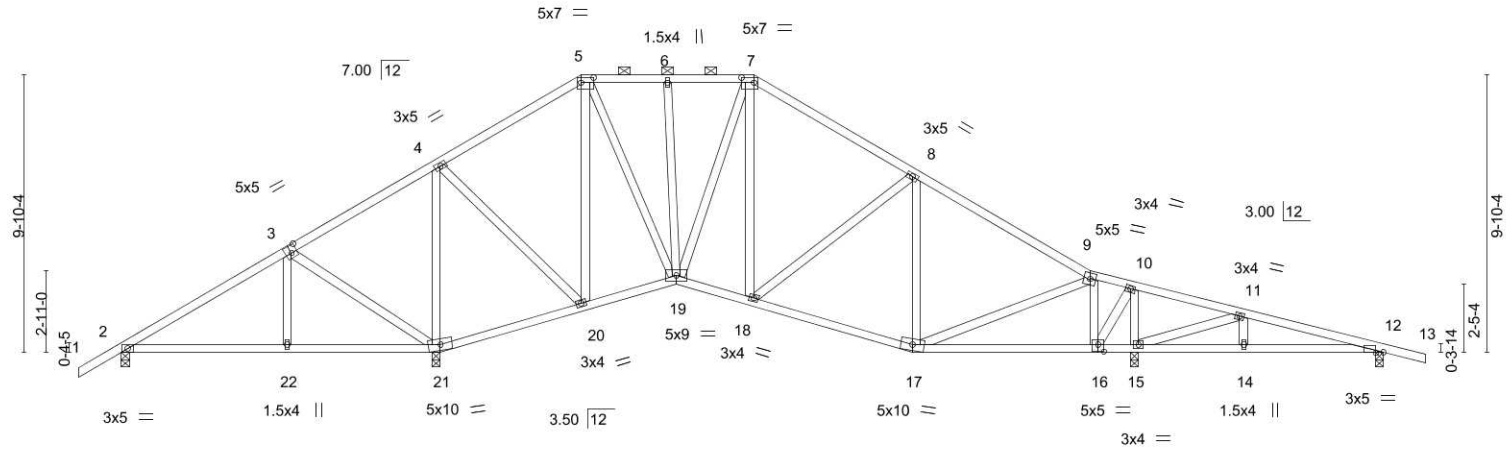
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	A6	PIGGYBACK BASE	3	1	T20545562
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:27:57 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-xOWk70GqfvYA07BGs1QUdjnqixEuqM4afHBUedz3MOm

1-6-0	5-10-9	11-3-8	16-3-5	19-4-0	22-4-11	28-0-0	34-3-5	35-10-4	39-8-10	44-8-0	46-2-0
1-6-0	5-10-9	5-4-15	4-11-13	3-0-11	3-0-11	5-7-5	6-3-5	1-6-15	3-10-6	4-11-6	1-6-0

Scale = 1:81.6



5-10-9	11-1-12	11-3-8	16-3-5	19-7-12	22-4-11	28-0-0	34-3-5	35-10-4	39-8-10	44-8-0
5-10-9	5-3-3	0-1-12	4-11-13	3-4-7	2-8-15	5-7-5	6-3-5	1-6-15	3-10-6	4-11-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	-0.05	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.10	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 281 lb	FT = 0%

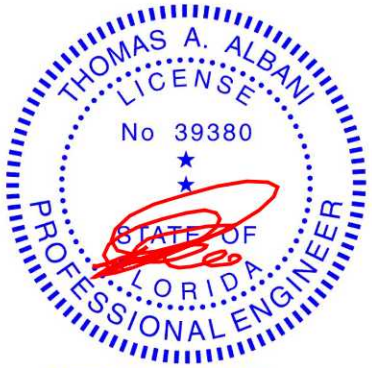
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-181(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 15 except 2=-126(LC 12), 21=-106(LC 12), 12=-103(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=399(LC 21), 21=1643(LC 1), 15=1441(LC 1), 12=307(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-271/218, 3-4=-30/401, 4-5=-402/132, 5-6=-514/158, 6-7=-508/156, 7-8=-739/176, 8-9=-823/155, 10-11=-198/575
BOT CHORD 20-21=-353/258, 19-20=0/312, 18-19=0/579, 17-18=0/676, 15-16=-533/276
WEBS 3-21=-472/362, 4-21=-1197/197, 4-20=-4/803, 5-20=-622/72, 5-19=-21/607, 7-18=-62/282, 8-17=-290/92, 9-17=-108/591, 9-16=-837/244, 10-16=-157/1073, 10-15=-1193/212, 11-15=-696/490

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=45ft; 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 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) 15 except (jt=lb) 2=126, 21=106, 12=103.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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June 23,2020

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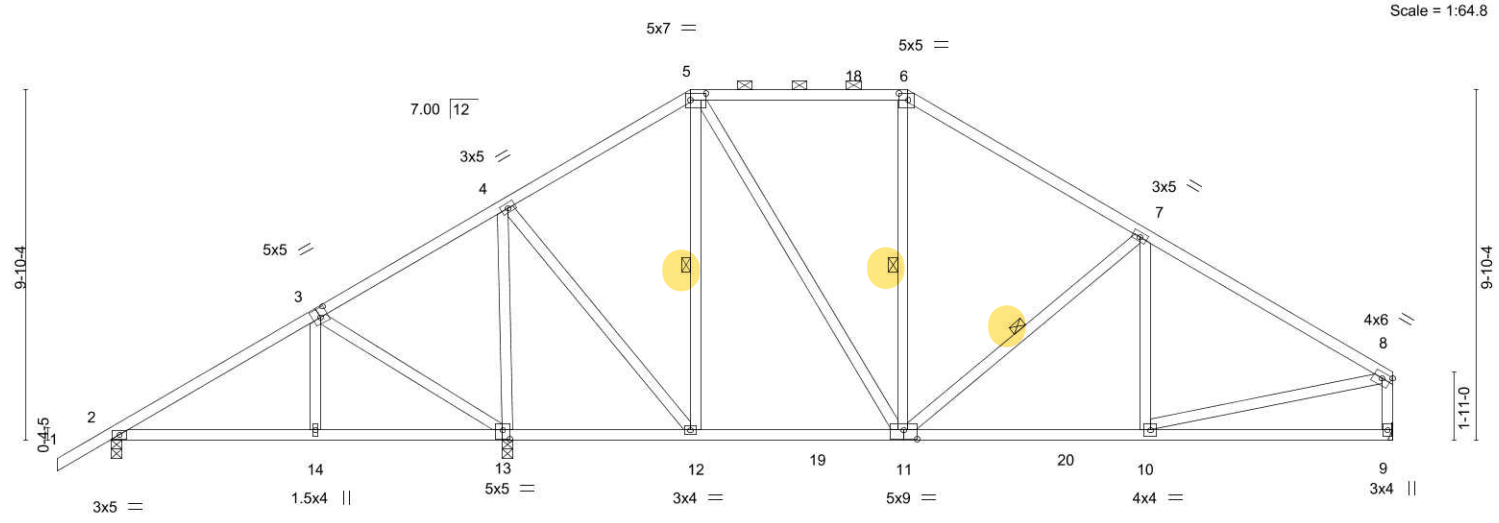
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	A9	PIGGYBACK BASE	6	1	T20545563
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:27:59 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-undUXhI4BWouFRLfzRSyi8s9xktpIGss7bgbjVz3MOk

-1-6-0	5-8-13	11-0-1	16-3-5	22-4-11	29-0-9	36-0-0
1-6-0	5-8-13	5-3-4	5-3-4	6-1-5	6-7-15	6-11-7

Scale = 1:64.8



5-8-13	11-1-12	16-3-5	22-4-11	29-0-9	36-0-0
5-8-13	5-4-15	5-1-9	6-1-5	6-7-15	6-11-7

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-4], [6:0-3-0,0-2-4], [8:Edge,0-1-12], [11:0-4-8,0-3-0], [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	0.43	Vert(LL)	-0.05	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.10	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 228 lb	FT = 0%

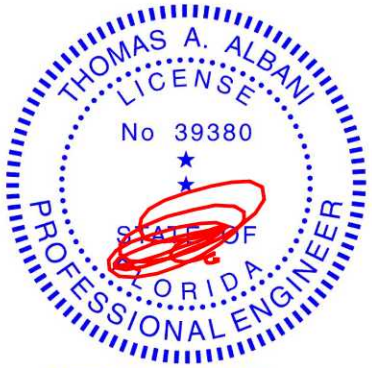
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-12, 6-11, 7-11

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 9=Mechanical
Max Horz 2=204(LC 11)
Max Uplift 2=-117(LC 12), 13=-117(LC 12)
Max Grav 2=463(LC 21), 13=1556(LC 1), 9=974(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-403/209, 4-5=-567/190, 5-6=-659/254, 6-7=-840/239, 7-8=-1150/205, 8-9=-912/174
BOT CHORD 2-14=-170/289, 13-14=-167/286, 11-12=0/430, 10-11=-101/885
WEBS 3-13=-458/362, 4-13=-1200/305, 4-12=-97/781, 5-12=-487/152, 5-11=-102/461, 7-11=-419/164, 8-10=-56/805

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=36ft; 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=117, 13=117.
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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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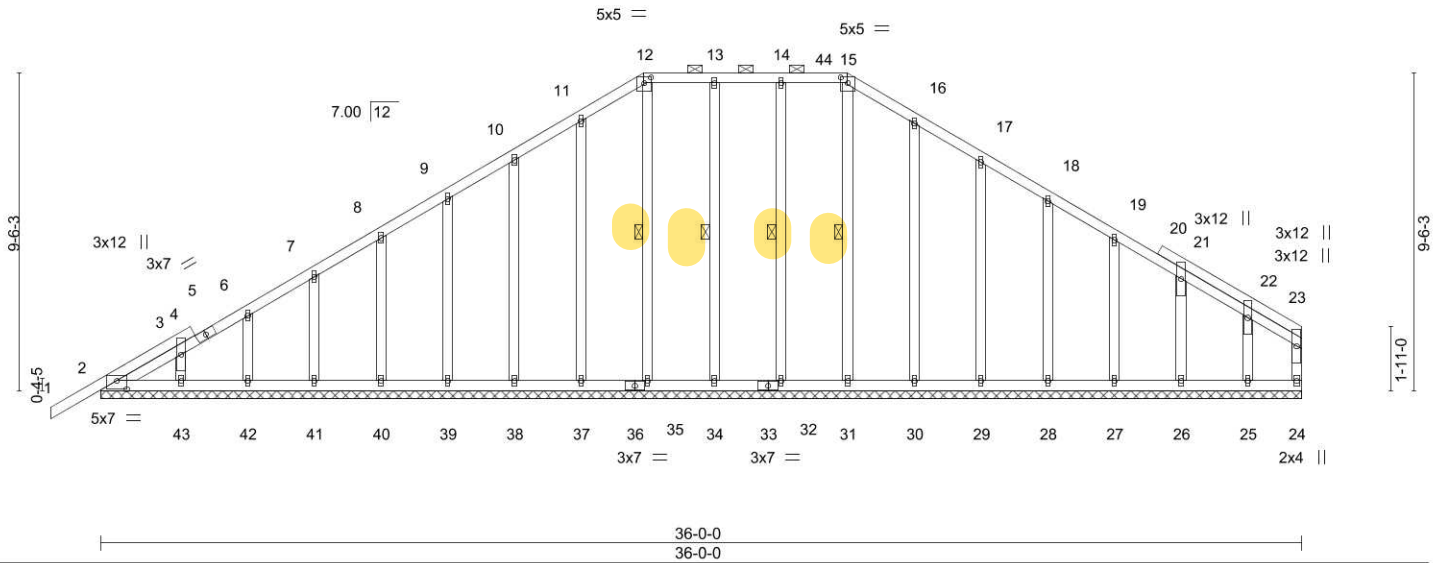
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	A10GE	PIGGYBACK BASE SUPPO	1	1	T20545564
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:27:39 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-TwQwLs2XvNHjsMppoF5Guw1oUg9WcOJwWUqY1gz3MP2

1-6-0 | 16-3-5 | 22-4-11 | 36-0-0
1-6-0 | 16-3-5 | 6-1-5 | 13-7-5

Scale = 1:69.2



36-0-0
36-0-0

Plate Offsets (X,Y)-- [2:0-3-8,0-3-0], [12:0-2-8,0-2-1], [15:0-2-8,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	24	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 272 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, and 2-0-0 oc purlins (6-0-0 max.): 12-15.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 15-31, 14-32, 13-34, 12-35

REACTIONS. All bearings 36-0-0.
(lb) - Max Horz 2=196(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 37, 38, 39, 40, 41, 42, 30, 29, 28, 27, 26, 25
Max Grav All reactions 250 lb or less at joint(s) 24, 2, 31, 32, 34, 35, 37, 38, 39, 40, 41, 42, 43, 30, 29, 28, 27, 26, 25

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-257/296, 12-13=-230/272, 13-14=-230/272, 14-15=-230/272, 15-16=-258/296

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=36ft; 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) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 37, 38, 39, 40, 41, 42, 30, 29, 28, 27, 26, 25.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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June 23,2020

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6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	B1GE	Common Supported Gable	1	1	T20545565
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:28:00 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-MzBsl1JiyqwltbwrX9zBELPO98KE1vt0LFQ9Fyz3MOj

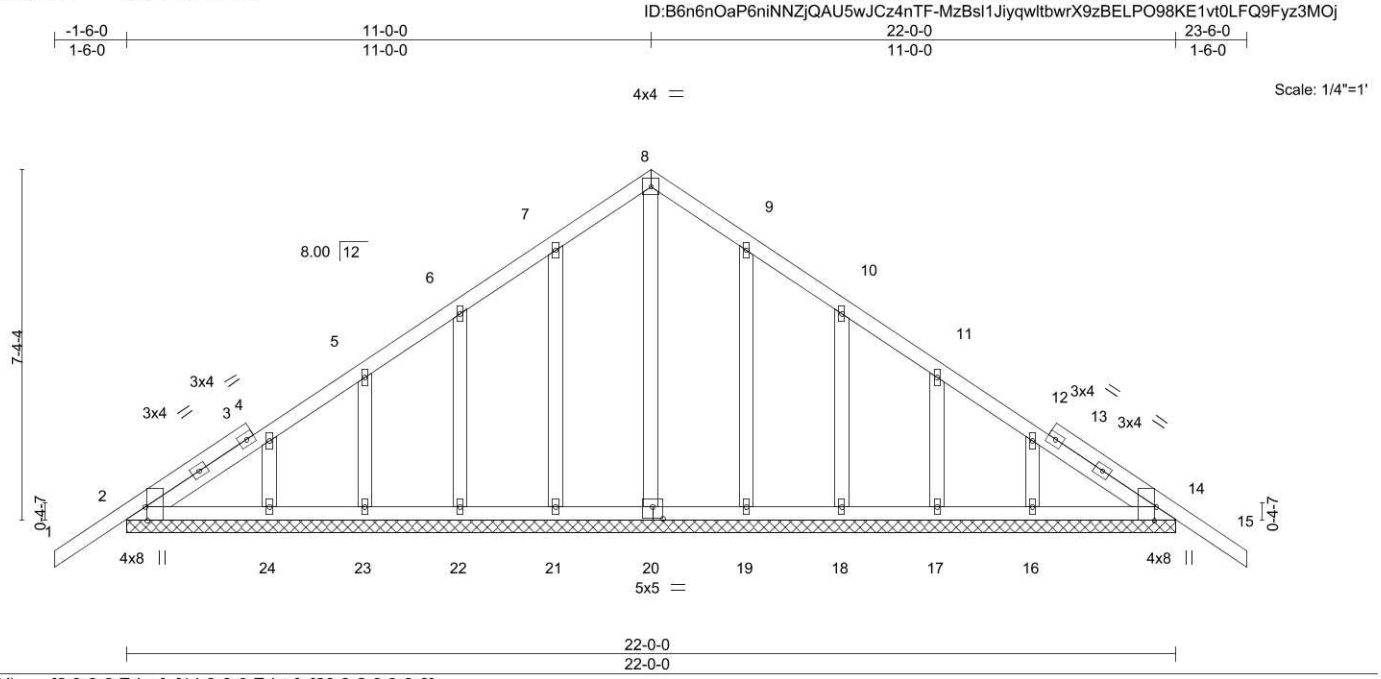

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [14:0-3-8,Edge], [20:0-2-8,0-3-0]

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	0.15	Vert(LL)	-0.01	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.01	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 137 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 22-0-0.
(lb) - Max Horz 2=147(LC 11)
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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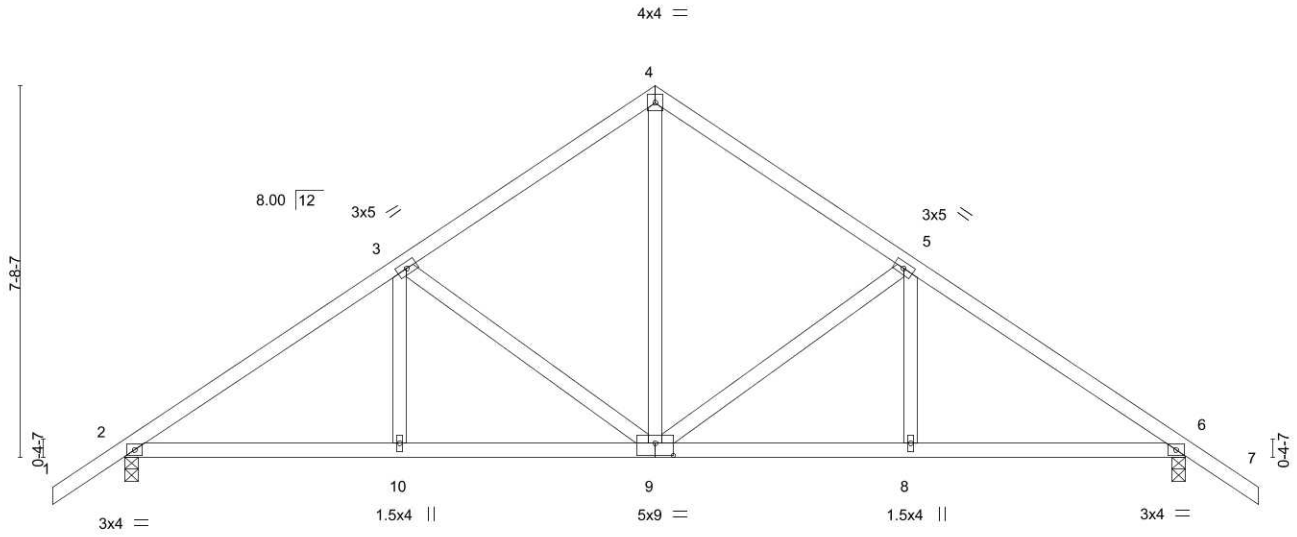
Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	B2	Common	7	1	T20545566
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:28:01 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-q9lFyNKLj82bVlV15sUQnZxXlYatmIj9av9ioOz3MOi

-1-6-0	5-8-7	11-0-0	16-3-9	22-0-0	23-6-0
1-6-0	5-8-7	5-3-9	5-3-9	5-8-7	1-6-0

Scale: 1/4"=1'



5-8-7	11-0-0	16-3-9	22-0-0
5-8-7	5-3-9	5-3-9	5-8-7

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.03	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.08	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 118 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=-154(LC 10)
Max Uplift 2=-37(LC 12), 6=-37(LC 12)
Max Grav 2=970(LC 1), 6=970(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1284/214, 3-4=-894/227, 4-5=-894/227, 5-6=-1284/214
BOT CHORD 2-10=-54/1004, 9-10=-54/1004, 8-9=-62/1004, 6-8=-62/1004
WEBS 4-9=-112/629, 5-9=-464/155, 3-9=-464/155

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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MiTek
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Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	B3	Common	2	1	T20545567
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:28:02 2020 Page 1
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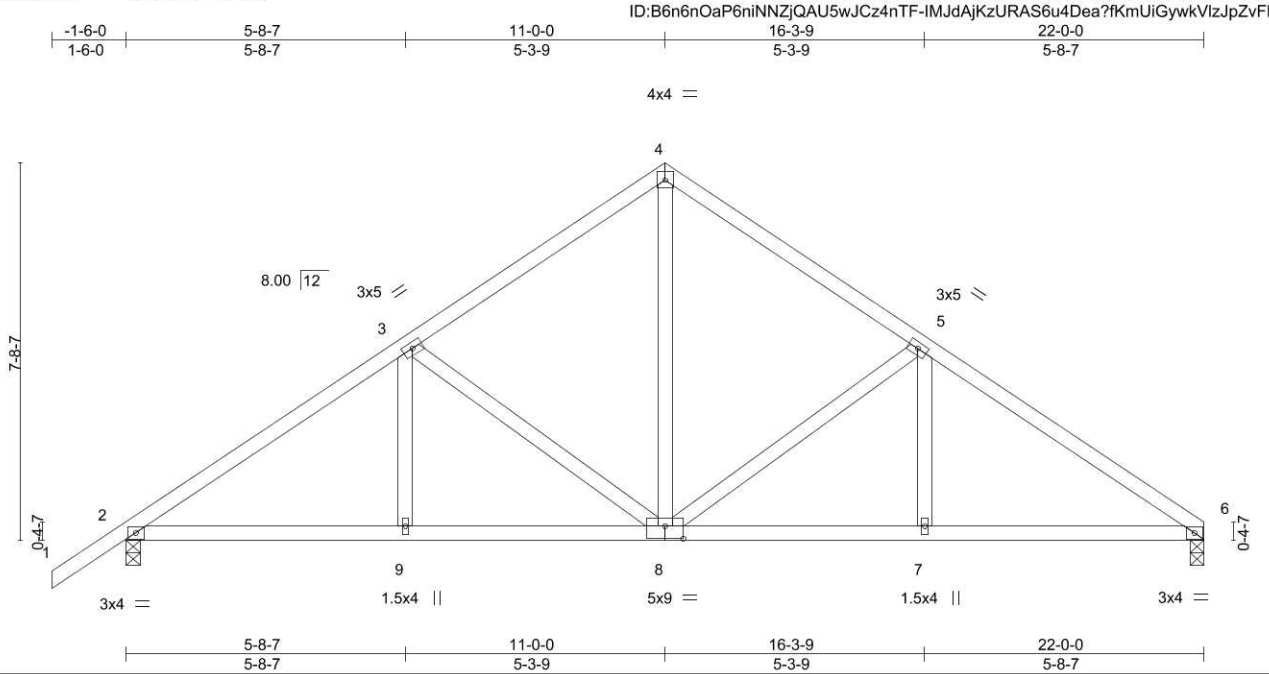


Plate Offsets (X,Y)-- [8:0-4-8,0-3-0]

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	0.30	Vert(LL)	-0.04	7-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.08	7-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 115 lb	FT = 0%

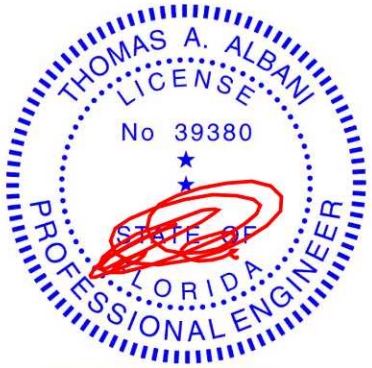
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=148(LC 11)
Max Uplift 2=-39(LC 12)
Max Grav 6=877(LC 1), 2=973(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1289/220, 3-4=-899/232, 4-5=-900/233, 5-6=-1283/226
BOT CHORD 2-9=-98/1008, 8-9=-98/1008, 7-8=-105/1021, 6-7=-105/1021
WEBS 4-8=-120/636, 5-8=-461/164, 3-8=-465/156

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=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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June 23,2020

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MiTek
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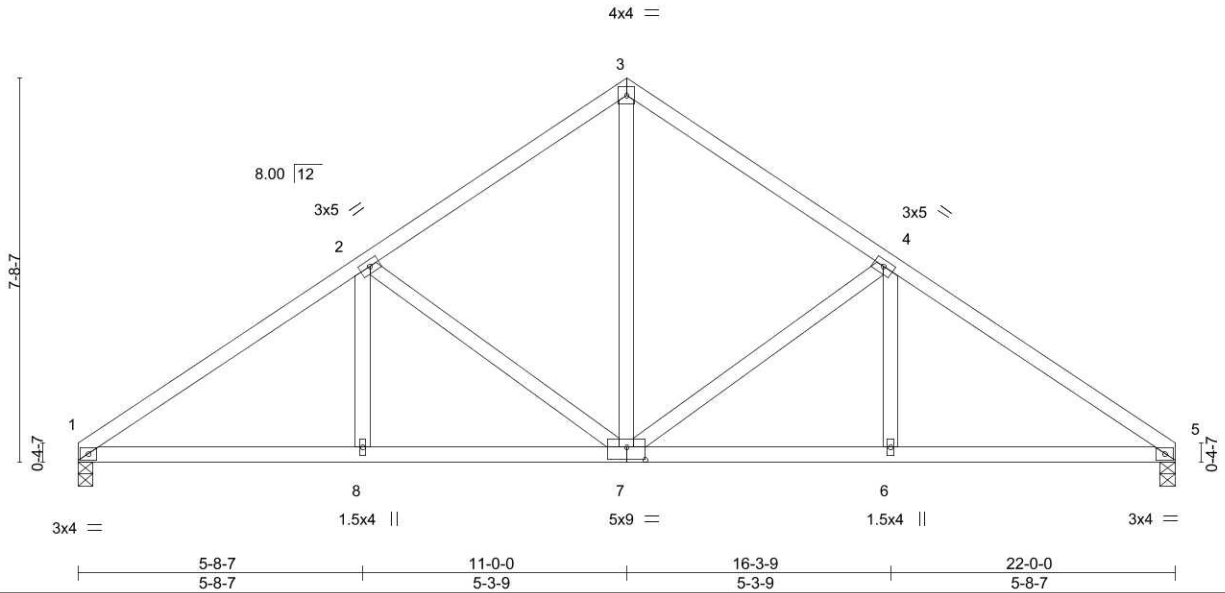
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	B4	Common	2	1	T20545568
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:28:03 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-mYt?N3LbFIIJk2fQCHWus_1t?MGyECGS1DepsHz3MOg

5-8-7	11-0-0	16-3-9	22-0-0
5-8-7	5-3-9	5-3-9	5-8-7

Scale = 1:46.3



5-8-7	11-0-0	16-3-9	22-0-0
5-8-7	5-3-9	5-3-9	5-8-7

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	0.30	Vert(LL)	-0.04	6-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.08	6-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 112 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=-135(LC 10)
Max Grav 1=880(LC 1), 5=880(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1289/229, 2-3=-905/235, 3-4=-905/235, 4-5=-1289/229
BOT CHORD 1-8=-107/1026, 7-8=-107/1026, 6-7=-107/1026, 5-6=-107/1026
WEBS 3-7=-124/634, 4-7=-461/165, 2-7=-461/165

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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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	C1GE	Common Supported Gable	1	1	T20545569
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:28:04 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-EkRNbPMD03QAMCDcm?27PBZ48lhUzkLbGtOMOjz3MOf

-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 = 1:28.9

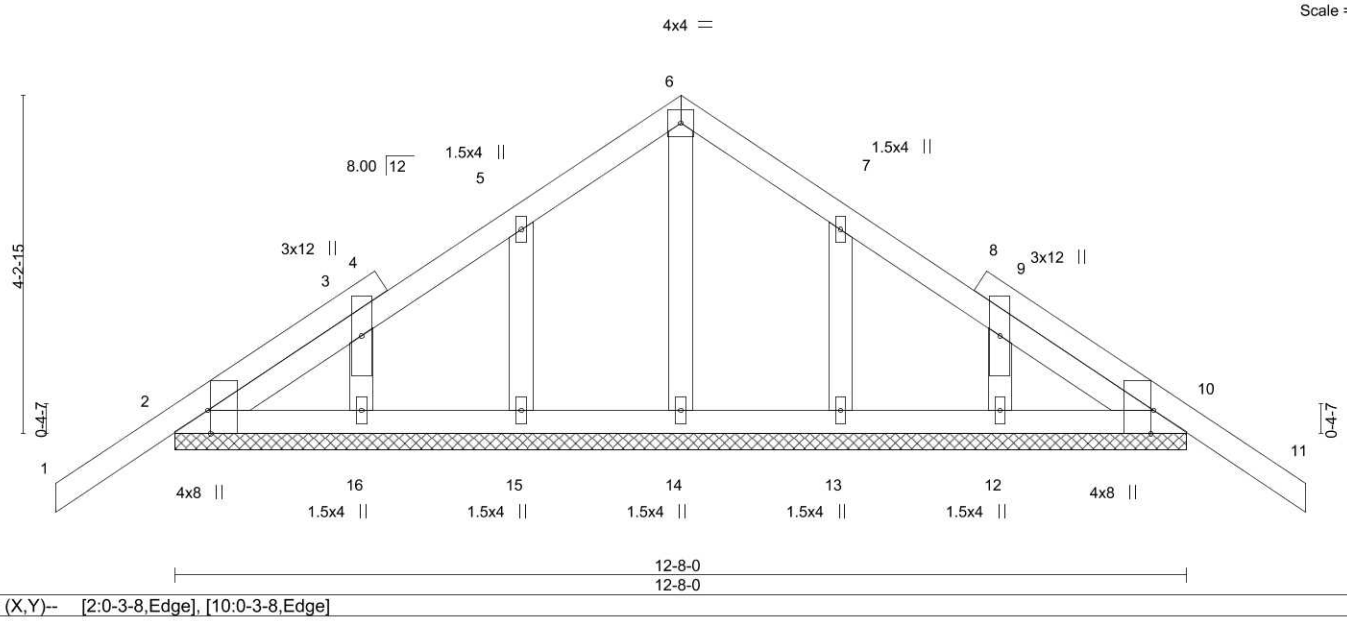


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [10:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	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	0.03	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 70 lb	FT = 0%

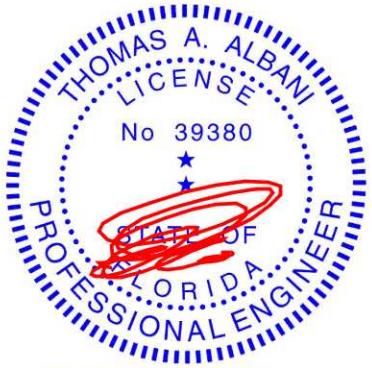
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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=90(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.



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Date:

June 23,2020

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	C2	Common	3	1	T20545570
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:28:05 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-iw?lolNrnMY1zMooKiZMxP6B?9x?i9zlVX7wx9z3MOe

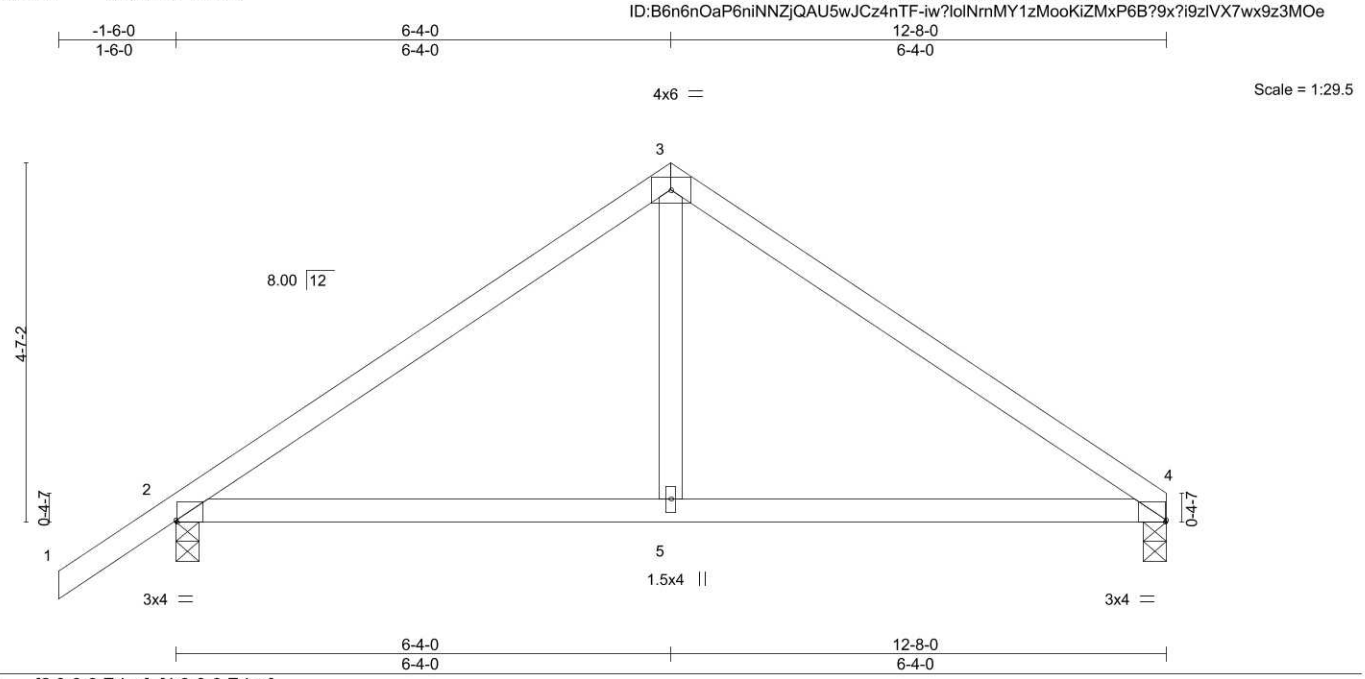

Plate Offsets (X,Y)-- [2:0-0-3,Edge], [4:0-0-3,Edge]

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	0.39	Vert(LL)	-0.05	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.09	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 51 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) 4=0-3-8, 2=0-3-8
Max Horz 2=91(LC 11)
Max Uplift 2=-40(LC 12)
Max Grav 4=501(LC 1), 2=602(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-616/130, 3-4=-613/129
BOT CHORD 2-5=-8/437, 4-5=-8/437
WEBS 3-5=0/291

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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Date:

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	C3	Common	2	1	T20545571
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:28:06 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-B7Y8?4NTYggubWN?tQ4bUcfLnZH8RcCukBtTTbz3MOd

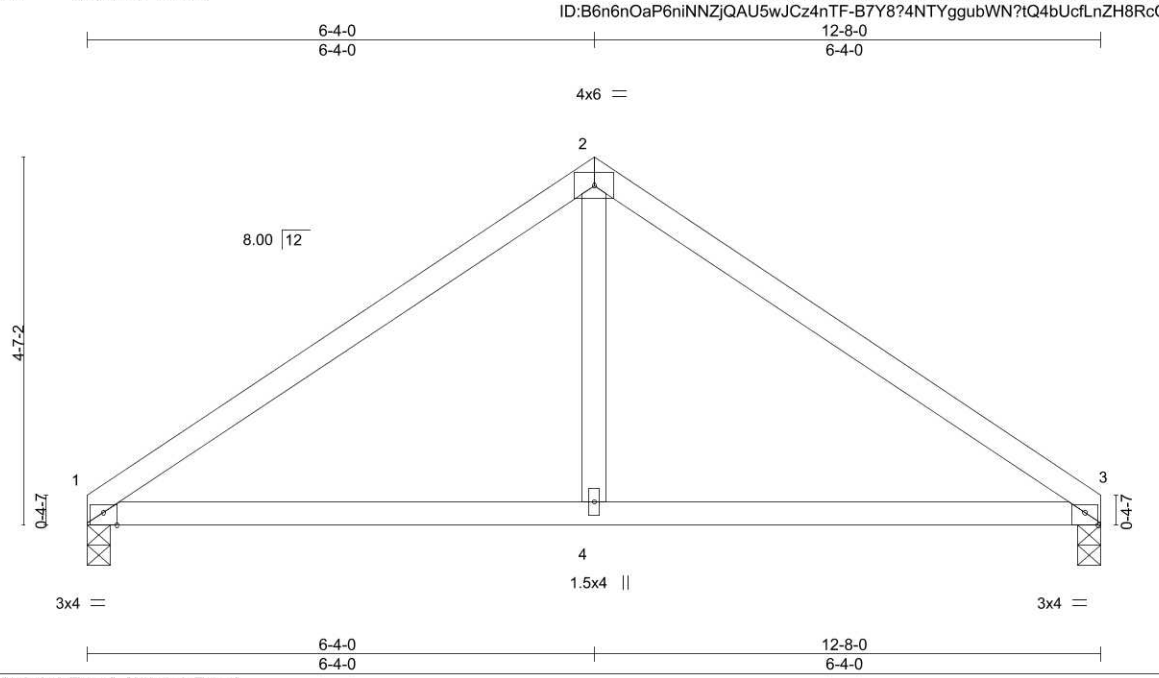

Plate Offsets (X,Y)-- [1:0-2-0,Edge], [3:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.05	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.09	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 48 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, 3=0-3-8
Max Horz 1=78(LC 11)
Max Grav 1=507(LC 1), 3=507(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-626/136, 2-3=-626/136
BOT CHORD 1-4=-14/449, 3-4=-14/449
WEBS 2-4=0/294

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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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	C4GIR	Common Girder	1	2	T20545572

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:28:07 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-fJ6WDQO5J_olDgyBR7bq0qBYCzTQA?h2yrc0?2z3MOc

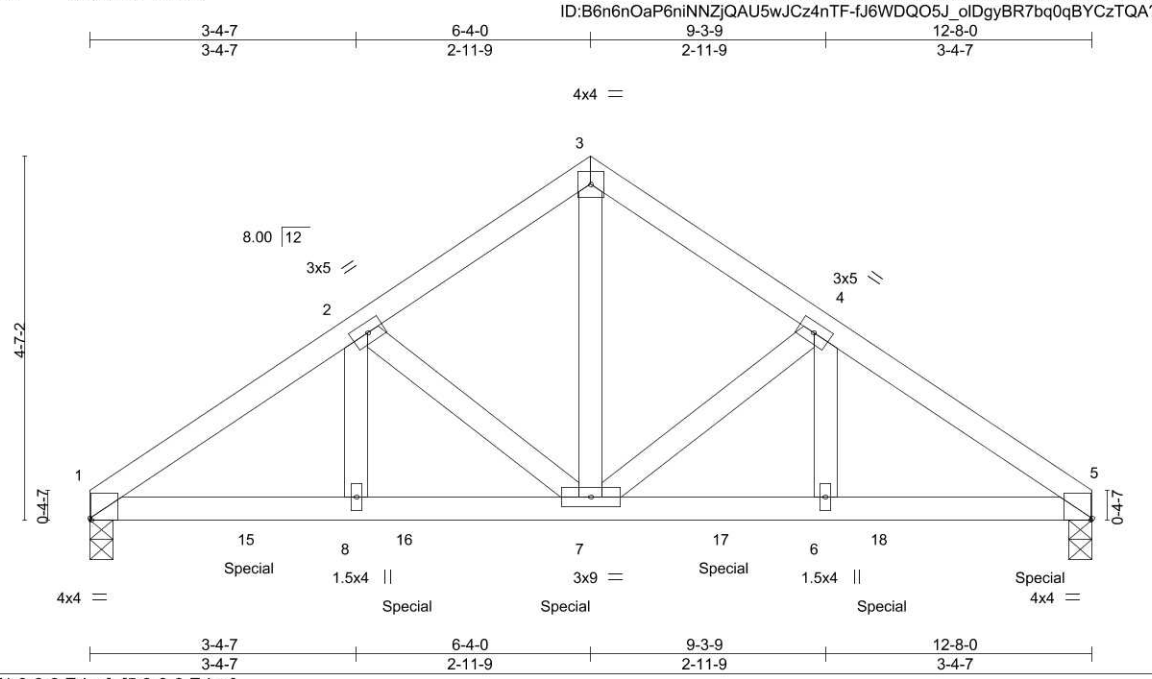

Plate Offsets (X,Y)-- [1:0-0-3,Edge], [5:0-0-3,Edge]

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	0.28	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.09	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.37	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 128 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 5-7-1 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=-78(LC 6)
Max Grav 1=2934(LC 1), 5=3647(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4510/0, 2-3=-3183/0, 3-4=-3185/0, 4-5=-4617/0
BOT CHORD 1-8=0/3740, 7-8=0/3740, 6-7=0/3837, 5-6=0/3837
WEBS 3-7=0/3292, 4-7=-1558/0, 4-6=0/1534, 2-7=-1436/0, 2-8=0/1414

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 0-5-0 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 927 lb down at 2-0-12, 927 lb down at 4-0-12, 927 lb down at 6-0-12, 927 lb down at 8-0-12, and 927 lb down at 10-0-12, and 931 lb down at 12-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-927(F) 14=-931(F) 15=-927(F) 16=-927(F) 17=-927(F) 18=-927(F)

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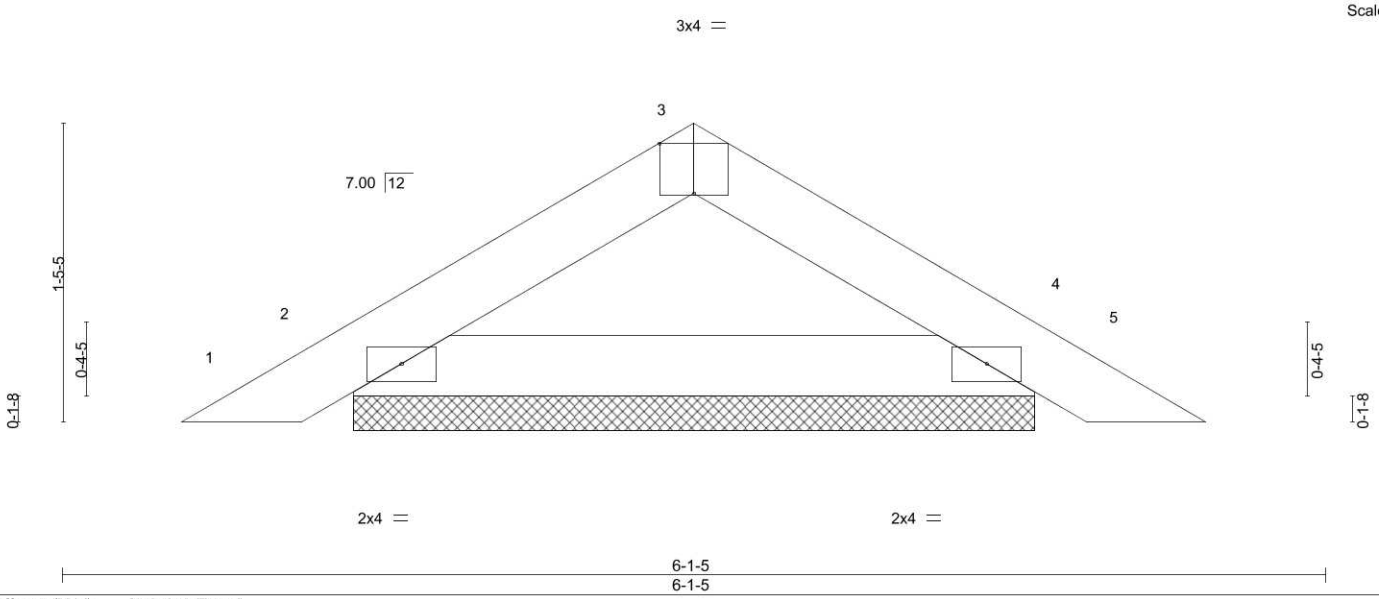
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	PB1GE	GABLE	2	1	T20545573
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:28:08 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-7VguQmPk4HwcqpXN?q63Z1knpN0yvXkBBVMaXUz3MOb

3-0-11 6-1-5
3-0-11 3-0-11

Scale = 1:11.2



6-1-5
6-1-5

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 13 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=3-3-9, 4=3-3-9
Max Horz 2=22(LC 11)
Max Uplift 2=-13(LC 12), 4=-13(LC 12)
Max Grav 2=164(LC 1), 4=164(LC 1)

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, 4.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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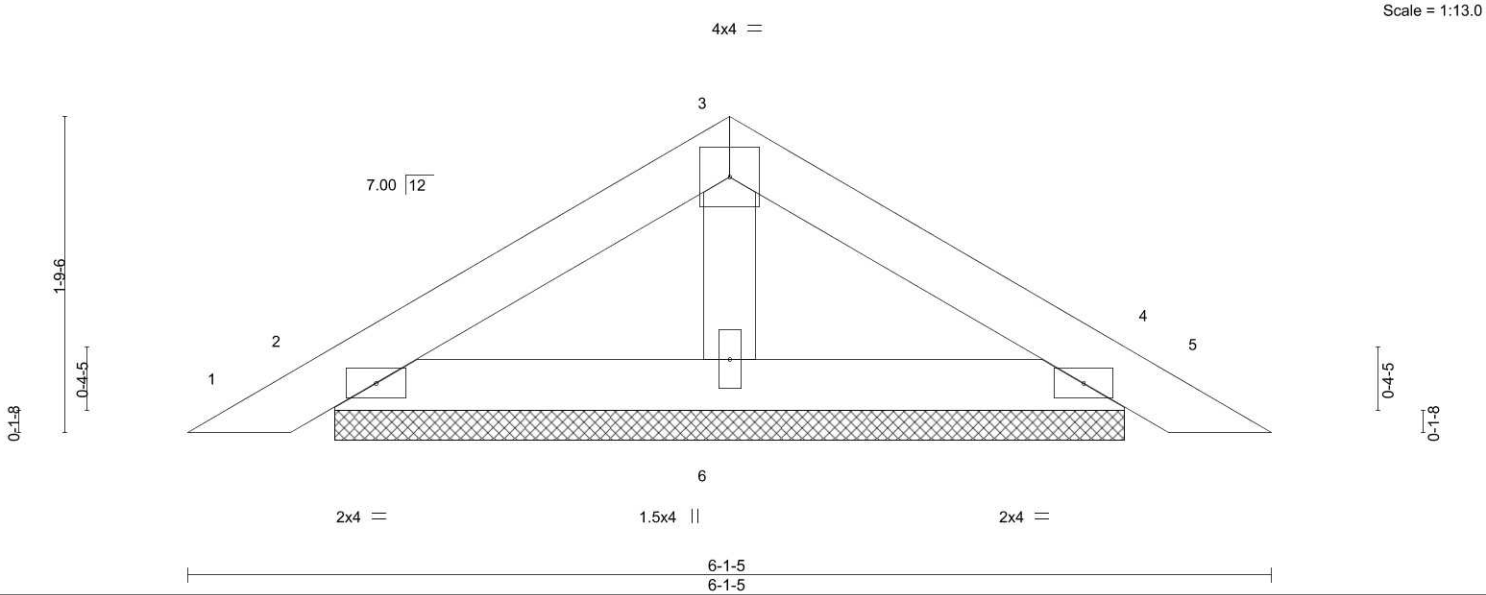
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Lot 12
LOT_12	PB2	Piggyback	24	1	T20545574
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Jun 23 15:28:09 2020 Page 1
ID:B6n6nOaP6niNNZjQAU5wJCz4nTF-biEGe6QMqb2TSz6aZYdl6FHx2mOSe_pLQ8574wz3MOa

3-0-11 6-1-5
3-0-11 3-0-11

Scale = 1:13.0



6-1-5
6-1-5

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	0.07	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 19 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. (size) 2=4-5-7, 4=4-5-7, 6=4-5-7
Max Horz 2=-28(LC 10)
Max Uplift 2=-25(LC 12), 4=-25(LC 12)
Max Grav 2=128(LC 1), 4=128(LC 1), 6=164(LC 1)

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) Gable requires continuous bottom chord bearing.
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, 4.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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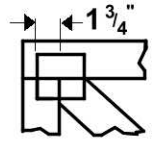
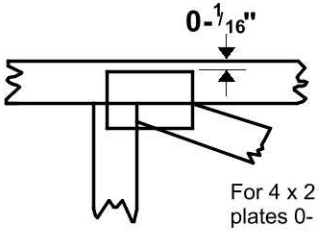
Tampa, FL 36610

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.

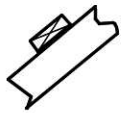
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

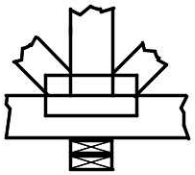
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

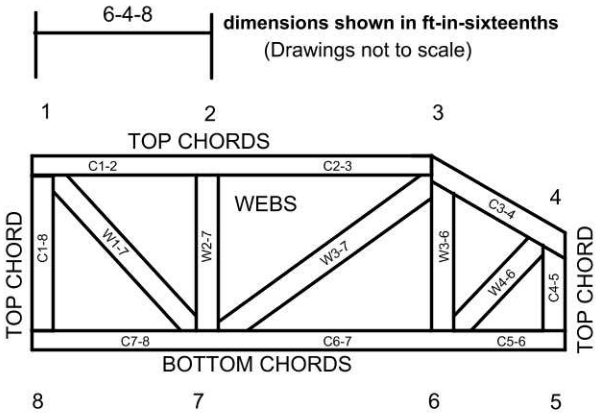


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

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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.