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

RE: Baker - James Baker

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

Site Information:

Customer Info: James Baker Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County State: FL

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

Name: License #:
Address:
City: State:

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

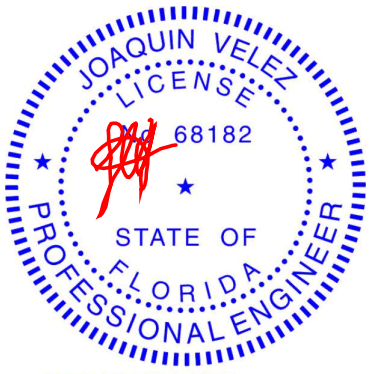
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: 55.0 psf

This package includes 20 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	T26075483	A1GIR	11/24/21
2	T26075484	A2	11/24/21
3	T26075485	A3	11/24/21
4	T26075486	A3A	11/24/21
5	T26075487	A4	11/24/21
6	T26075488	A4A	11/24/21
7	T26075489	A5	11/24/21
8	T26075490	A5A	11/24/21
9	T26075491	CJ01	11/24/21
10	T26075492	F01	11/24/21
11	T26075493	J1	11/24/21
12	T26075494	J1A	11/24/21
13	T26075495	J2	11/24/21
14	T26075496	J3	11/24/21
15	T26075497	J4	11/24/21
16	T26075498	J5	11/24/21
17	T26075499	J6	11/24/21
18	T26075500	J7	11/24/21
19	T26075501	J8	11/24/21
20	T26075502	J9	11/24/21

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2023.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: November 24,2021

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

Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	A1GIR	Hip Girder	2	2	T26075483

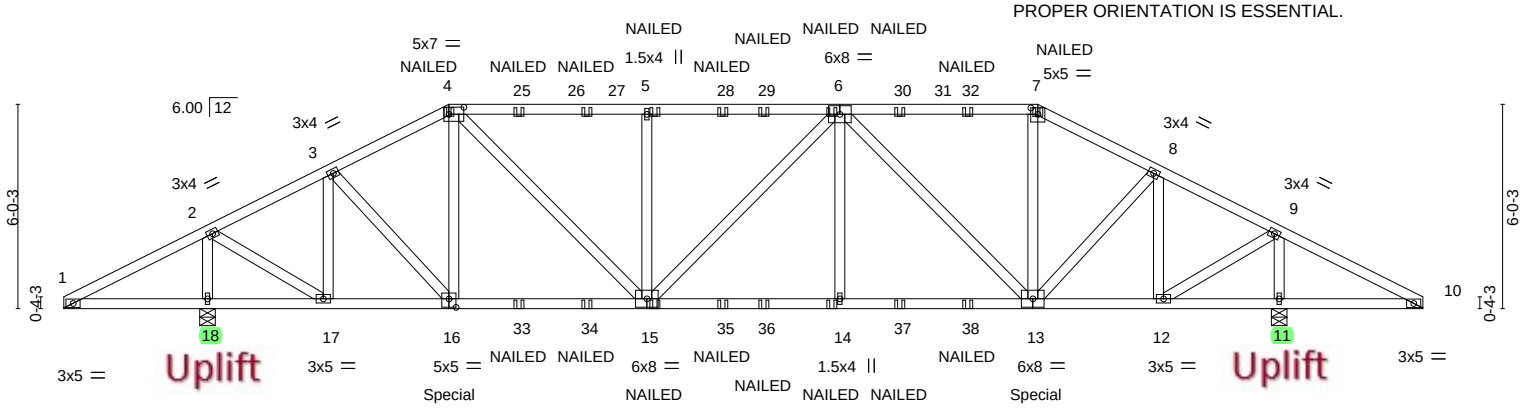
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:27 2021 Page 1
ID:YqjqZhHtxx7pTzvHA4uJsPyKtfE-Wyw_BvQ3lakCvjaKkwlEbWfHySBlQq8YrmiBClyGKoU

4-2-12	7-9-6	11-4-0	17-1-15	22-10-1	28-8-0	32-2-10	35-9-4	40-0-0
4-2-12	3-6-10	3-6-10	5-9-15	5-8-3	5-9-15	3-6-10	3-6-10	4-2-12

Scale = 1:67.8

THIS TRUSS IS NOT SYMMETRIC.
PROPER ORIENTATION IS ESSENTIAL.



4-0-0	4-2-12	7-9-6	11-4-0	17-1-15	22-10-1	28-8-0	32-2-10	35-9-4	36-0-0	40-0-0
4-0-0	0-2-12	3-6-10	3-6-10	5-9-15	5-8-3	5-9-15	3-6-10	3-6-10	0-2-12	4-0-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-8], [7:0-2-8,0-2-4], [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	0.45	Vert(LL)	0.22	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.26	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	-0.04	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 465 lb	FT = 20%

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

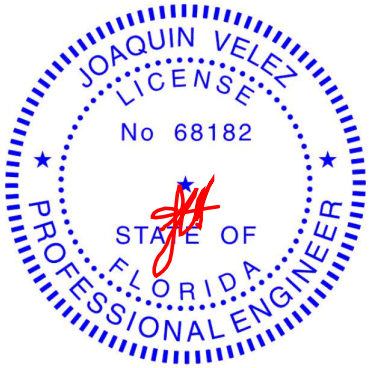
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. (size) 18=0-5-8, 11=0-5-8
Max Horz 18=104(LC 7)
Max Uplift 18=-1386(LC 8), 11=-1298(LC 8)
Max Grav 18=2998(LC 1), 11=2996(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-249/1153, 2-3=-1568/1245, 3-4=-2379/1594, 4-5=-3135/1849, 5-6=-3135/1849, 6-7=-2129/1475, 7-8=-2399/1615, 8-9=-1563/1239, 9-10=-203/1152
BOT CHORD 1-18=-972/241, 17-18=-991/241, 16-17=-1179/1349, 15-16=-1393/2086, 14-15=-1733/3150, 13-14=-1733/3150, 12-13=-1070/1342, 11-12=-971/183, 10-11=-971/183
WEBS 2-18=-2848/1340, 2-17=-1326/2714, 3-17=-1367/682, 3-16=-595/1110, 4-16=-500/104, 4-15=-575/1497, 5-15=-515/157, 6-14=-304/720, 6-13=-1476/560, 7-13=-648/685, 8-13=-601/1133, 8-12=-1359/653, 9-12=-1286/2705, 9-11=-2847/1295

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=1386, 11=1298.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.



Joaquin Velez PE No.68182
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Date:
November 24,2021

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 380 lb down and 82 lb up at 0-0-0, 380 lb down and 82 lb up at 40-0-0, and 376 lb down and 569 lb up at 11-4-0, and 376 lb down and 569 lb up at 28-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

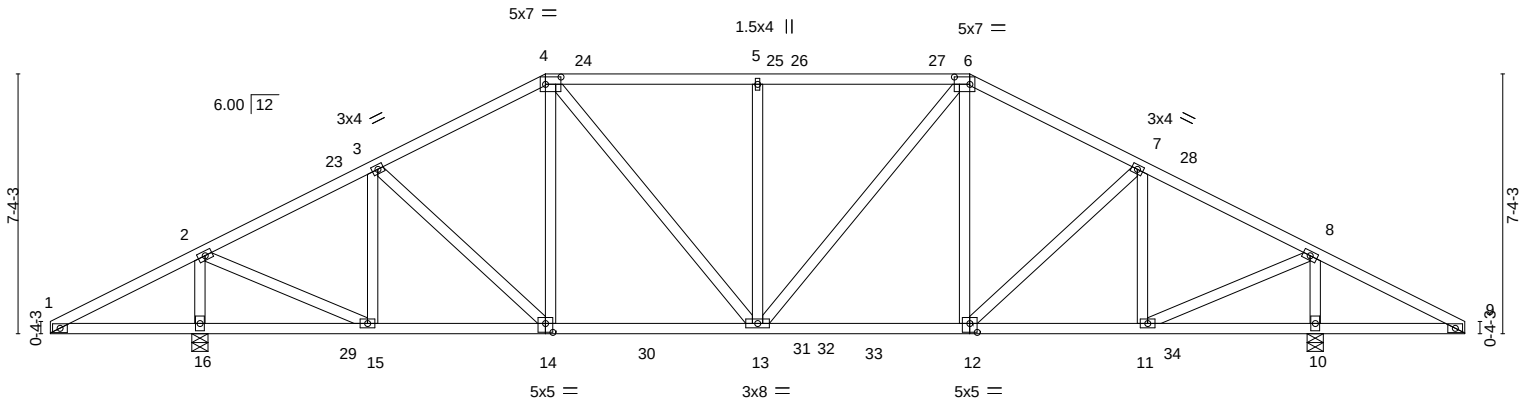
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-7=-60, 7-10=-60, 19-22=-20
   Concentrated Loads (lb)
   Vert: 4=-28(B) 7=-28(B) 16=-287(B) 15=-147(B) 5=-29(B) 6=-29(B) 14=-147(B) 13=-287(B) 19=-380(F) 22=-380(F) 25=-29(B) 27=-29(B) 28=-29(B) 29=-29(B) 30=-29(B) 32=-29(B) 33=-147(B) 34=-147(B) 35=-147(B) 36=-147(B) 37=-147(B) 38=-147(B)

Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	A2	Hip	2	1	T26075484
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:28 2021 Page 1
ID:YqjqZhHtxx7pTzvHA4uJsPyKtfE-?9UNPFQhWts3Xt9WIdGT7kCU7sZd9Geh3QRkkByGKoT

4-2-12	9-1-6	14-0-0	20-0-0	26-0-0	30-10-10	35-9-4	40-0-0
4-2-12	4-10-10	4-10-10	6-0-0	6-0-0	4-10-10	4-10-10	4-2-12

Scale = 1:65.2



4-0-0	4-2-12	9-1-6	14-0-0	20-0-0	26-0-0	30-10-10	35-9-4	36-0-0	40-0-0
4-0-0	0-2-12	4-10-10	4-10-10	6-0-0	6-0-0	4-10-10	4-10-10	0-2-12	4-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	0.13	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.18	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 233 lb	FT = 20%

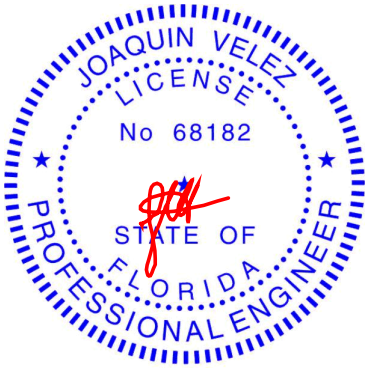
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 16=0-5-8, 10=0-5-8
Max Horz 16=-129(LC 10)
Max Uplift 16=-349(LC 12), 10=-266(LC 12)
Max Grav 16=1742(LC 2), 10=1742(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-202/352, 2-3=-1307/783, 3-4=-1448/879, 4-5=-1506/957, 5-6=-1506/957, 6-7=-1448/879, 7-8=-1307/783, 8-9=-202/352
BOT CHORD 1-16=-262/200, 15-16=-332/203, 14-15=-609/1118, 13-14=-625/1244, 12-13=-621/1244, 11-12=-605/1118, 10-11=-262/200, 9-10=-262/200
WEBS 2-16=-1550/841, 2-15=-837/1498, 3-15=-453/158, 4-13=-248/458, 5-13=-401/94, 6-13=-248/458, 7-11=-453/158, 8-11=-837/1498, 8-10=-1550/842

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-2-12, Interior(1) 4-2-12 to 14-0-0, Exterior(2R) 14-0-0 to 19-7-14, Interior(1) 19-7-14 to 26-0-0, Exterior(2R) 26-0-0 to 31-7-14, Interior(1) 31-7-14 to 40-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 3x5 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=349, 10=266.
9) 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:
November 24,2021

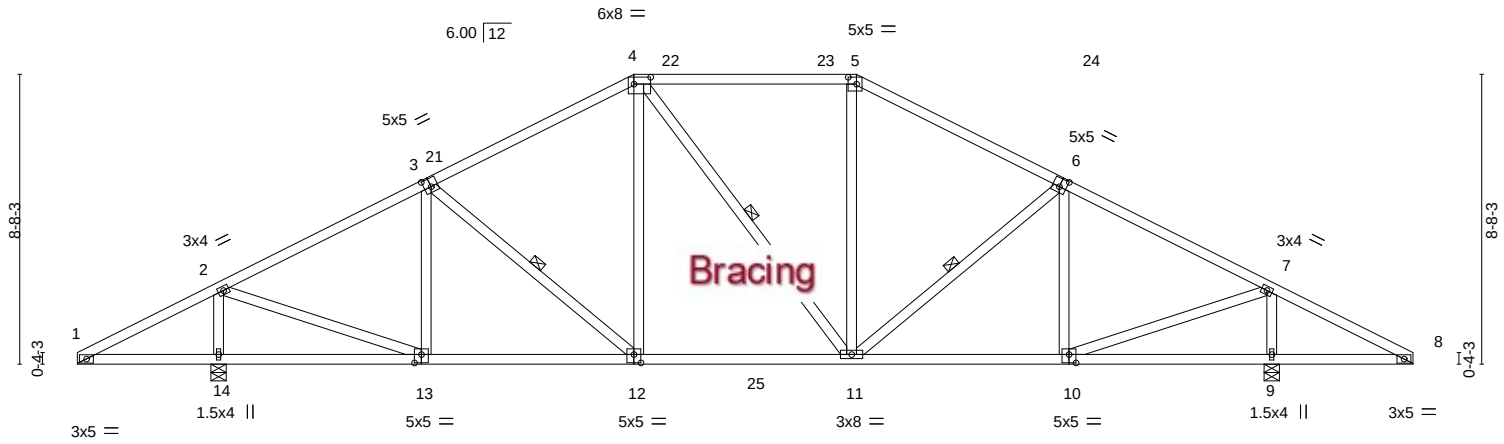
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	A3	Hip	1	1	T26075485
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:29 2021 Page 1
ID:YqjqZhHtxx7pTzvHA4uJsPyKtfE-TL2lcbRKHB_w80kisKnigxlc3GuNuk7rI4BIGdyGKoS

4-2-12	10-5-6	16-8-0	23-4-0	29-6-10	35-9-4	40-0-0
4-2-12	6-2-10	6-2-10	6-8-0	6-2-10	6-2-10	4-2-12

Scale = 1:69.0



4-0-0	4-2-12	10-5-6	16-8-0	23-4-0	29-6-10	35-9-4	36-0-0	40-0-0
4-0-0	0-2-12	6-2-10	6-2-10	6-8-0	6-2-10	6-2-10	0-2-12	4-0-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [4:0-6-0,0-2-8], [5:0-3-0,0-2-8], [6:0-2-8,0-3-0], [10:0-2-8,0-3-0], [12:0-2-8,0-3-0], [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	0.54	Vert(LL)	-0.13	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.26	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 227 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-12, 4-11, 6-11

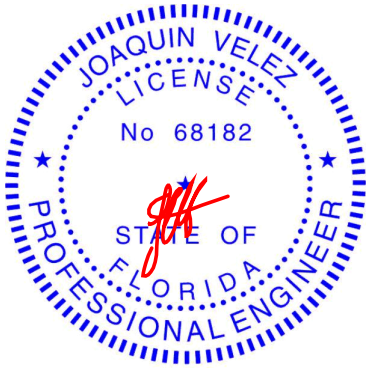
REACTIONS. (size) 14=0-5-8, 9=0-5-8
Max Horz 14=153(LC 11)
Max Uplift 14=-77(LC 12)
Max Grav 14=1752(LC 17), 9=1747(LC 18)

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

TOP CHORD	1-2=-238/286, 2-3=-1421/20, 3-4=-1391/93, 4-5=-1232/110, 5-6=-1406/85, 6-7=-1414/40, 7-8=-238/286
BOT CHORD	13-14=-289/227, 12-13=0/1292, 11-12=0/1266, 10-11=0/1179
WEBS	2-14=-1538/249, 2-13=-105/1437, 3-13=-327/109, 4-12=0/263, 5-11=0/297, 6-10=-341/100, 7-10=-105/1430, 7-9=-1532/249

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-2-12, Interior(1) 4-2-12 to 16-8-0, Exterior(2R) 16-8-0 to 22-3-14, Interior(1) 22-3-14 to 23-4-0, Exterior(2R) 23-4-0 to 28-11-14, Interior(1) 28-11-14 to 40-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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6904 Parke East Blvd. Tampa FL 33610
Date:
November 24,2021

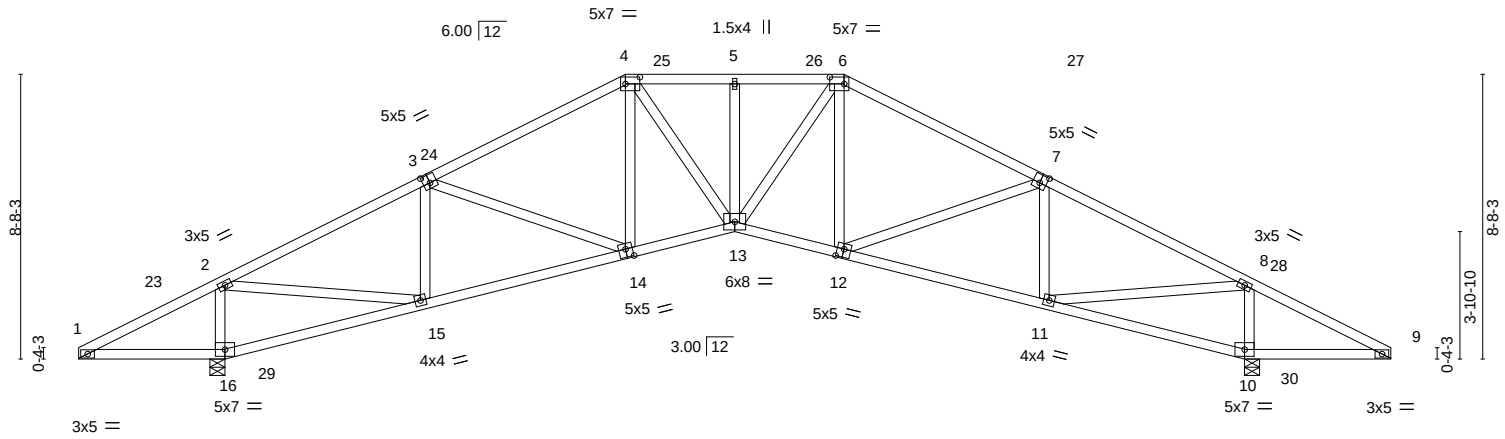
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	A3A	Hip	1	1	T26075486
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:31 2021 Page 1
ID:YqjqZhHtxx7pTzvHA4uJsPyKtfE-Pj9V1HTapoEeOKu5zlpAlMqwl3bBMdZ7mOgOLWyGKoQ

4-5-8	10-6-12	16-8-0	20-0-0	23-4-0	29-5-4	35-6-8	40-0-0
4-5-8	6-1-4	6-1-4	3-4-0	3-4-0	6-1-4	6-1-4	4-5-8

Scale = 1:70.2



4-0-0	4-5-8	10-6-12	16-8-0	20-0-0	23-4-0	29-5-4	35-6-8	36-0-0	40-0-0
4-0-0	0-5-8	6-1-4	6-1-4	3-4-0	3-4-0	6-1-4	6-1-4	0-5-8	4-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.11	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.23	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.15	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 216 lb	FT = 20%

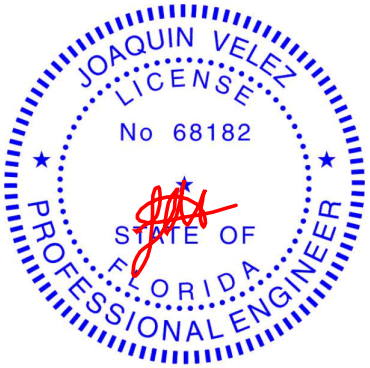
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 16=0-5-8, 10=0-5-8
Max Horz 16=153(LC 11)
Max Uplift 16=-82(LC 12)
Max Grav 16=1600(LC 1), 10=1600(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-241/316, 2-3=-1683/0, 3-4=-1859/17, 4-5=-1970/0, 5-6=-1970/0, 6-7=-1859/15, 7-8=-1683/0, 8-9=-241/316
BOT CHORD 15-16=-380/262, 14-15=0/1485, 13-14=0/1664, 12-13=0/1664, 11-12=0/1478, 10-11=-324/258
WEBS 2-16=-1412/179, 2-15=-34/1725, 3-15=-478/108, 4-13=0/658, 6-13=0/658, 7-11=-478/108, 8-11=-36/1725, 8-10=-1412/180

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-0-0, Interior(1) 4-0-0 to 16-8-0, Exterior(2R) 16-8-0 to 22-3-14, Interior(1) 22-3-14 to 23-4-0, Exterior(2R) 23-4-0 to 28-11-14, Interior(1) 28-11-14 to 40-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 24,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

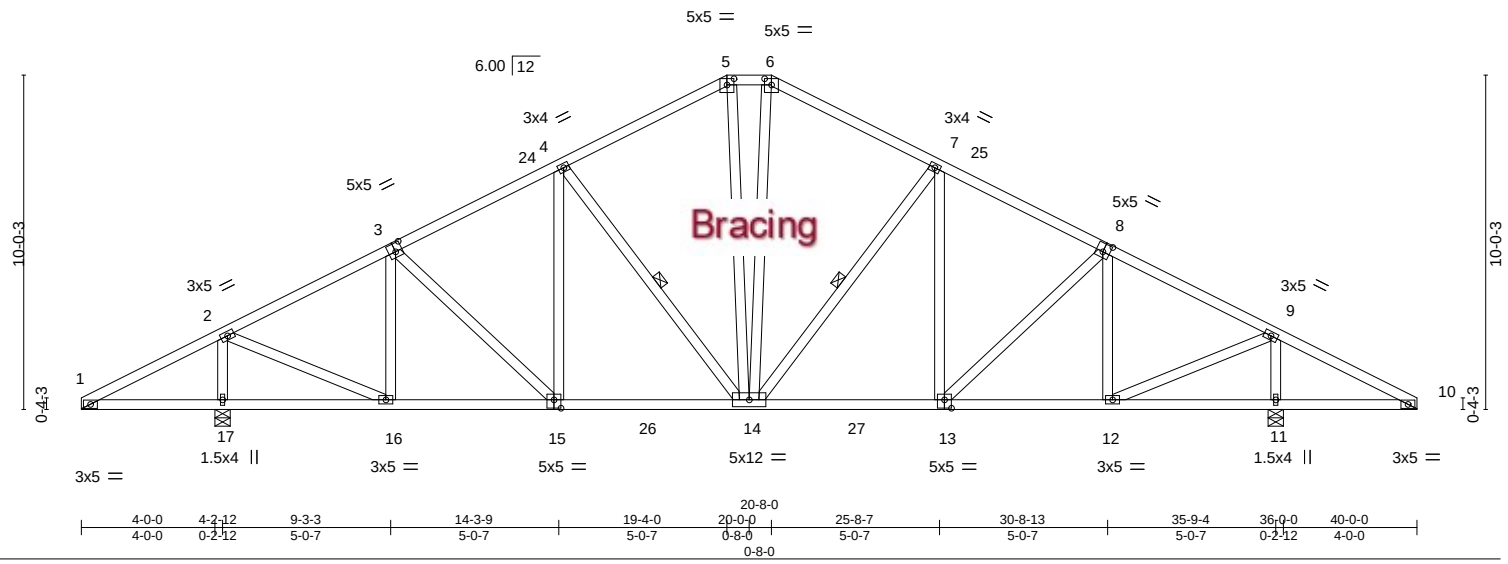
Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	A4	Hip	1	1	T26075487
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:32 2021 Page 1

ID:YqjqZhHtxx7pTzvHA4uJsPyKtfE-twjtEdUCa6MV?UTHXTKPIaNA6Txl55jH_2PytyyGKoP

4-2-12	9-3-3	14-3-9	19-4-0	20-8-0	25-8-7	30-8-13	35-9-4	40-0-0
4-2-12	5-0-7	5-0-7	5-0-7	1-4-0	5-0-7	5-0-7	5-0-7	4-2-12

Scale = 1:69.0



4-0-0	4-2-12	9-3-3	14-3-9	19-4-0	20-0-0	25-8-7	30-8-13	35-9-4	36-0-0	40-0-0
4-0-0	0-2-12	5-0-7	5-0-7	5-0-7	0-8-0	5-0-7	5-0-7	5-0-7	0-2-12	4-0-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-2-8,0-2-4], [6:0-2-8,0-2-4], [8:0-2-8,0-3-0], [13:0-2-8,0-3-0], [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)	-0.09	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.17	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 254 lb	FT = 20%

LUMBER-

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

BRACING-

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

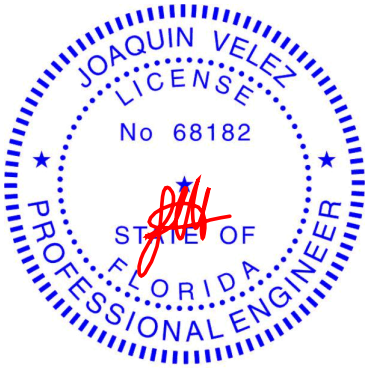
REACTIONS. (size) 17=0-5-8, 11=0-5-8
Max Horz 17=177(LC 11)
Max Uplift 17=-77(LC 12)
Max Grav 17=1761(LC 17), 11=1761(LC 18)

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

TOP CHORD	1-2=-228/332, 2-3=-1363/4, 3-4=-1465/62, 4-5=-1264/105, 5-6=-1095/111, 6-7=-1264/105, 7-8=-1465/71, 8-9=-1363/30, 9-10=-228/332
BOT CHORD	16-17=-349/223, 15-16=0/1269, 14-15=0/1371, 13-14=0/1284, 12-13=0/1143
WEBS	2-17=-1596/209, 2-16=-77/1479, 3-16=-420/113, 4-14=-387/62, 7-14=-387/69, 8-12=-420/113, 9-12=-77/1479, 9-11=-1596/209, 6-14=-9/424, 5-14=-9/424

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-2-12, Interior(1) 4-2-12 to 19-4-0, Exterior(2E) 19-4-0 to 20-8-0, Exterior(2R) 20-8-0 to 26-3-14, Interior(1) 26-3-14 to 40-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 24,2021

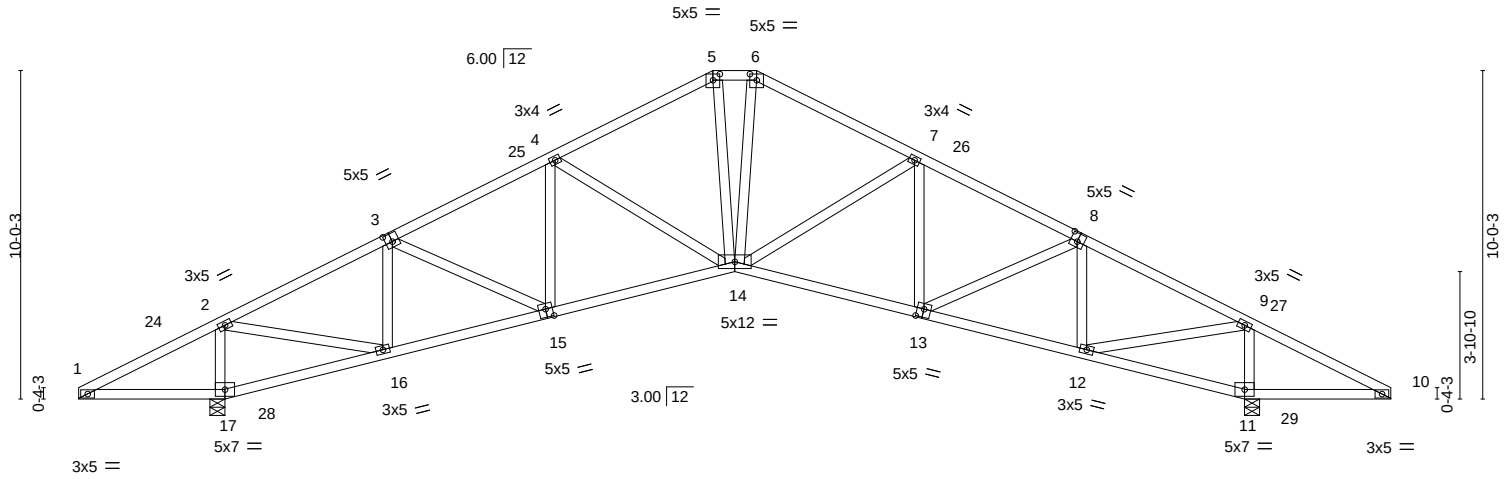
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	A4A	Hip	1	1	T26075488
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:34 2021 Page 1
ID:YqjqZhHtxx7pTzvHA4uJsPyKtfE-pIrefIVS6jcDFodgeuNtN?SVMHd6Z?haSMu3yryGKoN

4-5-8	9-5-0	14-4-8	19-4-0	20-8-0	25-7-8	30-7-0	35-6-8	40-0-0
4-5-8	4-11-8	4-11-8	4-11-8	1-4-0	4-11-8	4-11-8	4-11-8	4-5-8

Scale = 1:70.2



4-0-0	4-5-8	9-5-0	14-4-8	20-0-0	25-7-8	30-7-0	35-6-8	36-0-0	40-0-0
4-0-0	0-5-8	4-11-8	4-11-8	5-7-8	5-7-8	4-11-8	4-11-8	0-5-8	4-0-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-2-8,0-2-4], [6:0-2-8,0-2-4], [8:0-2-8,0-3-0], [13:0-2-8,0-3-0], [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	0.38	Vert(LL)	-0.10	14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.22	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.15	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 221 lb	FT = 20%

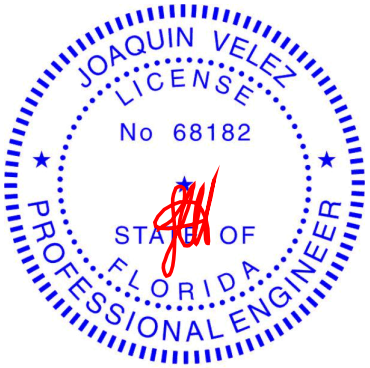
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 17=0-5-8, 11=0-5-8
Max Horz 17=177(LC 11)
Max Uplift 17=-82(LC 12)
Max Grav 17=1600(LC 1), 11=1600(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-242/342, 2-3=-1493/0, 3-4=-1861/6, 4-5=-1724/10, 5-6=-1537/20, 6-7=-1724/10, 7-8=-1861/21, 8-9=-1493/2, 9-10=-242/342
BOT CHORD 16-17=-420/264, 15-16=0/1369, 14-15=0/1701, 13-14=0/1701, 12-13=0/1320, 11-12=-354/259
WEBS 2-17=-1406/157, 2-16=-24/1617, 3-16=-596/91, 3-15=-23/398, 8-13=-23/397, 8-12=-596/92, 9-12=-26/1617, 9-11=-1406/158, 5-14=0/576, 6-14=0/576, 4-14=-252/80, 7-14=-252/89

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-0-0, Interior(1) 4-0-0 to 19-4-0, Exterior(2E) 19-4-0 to 20-8-0, Exterior(2R) 20-8-0 to 26-3-14, Interior(1) 26-3-14 to 40-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 24,2021

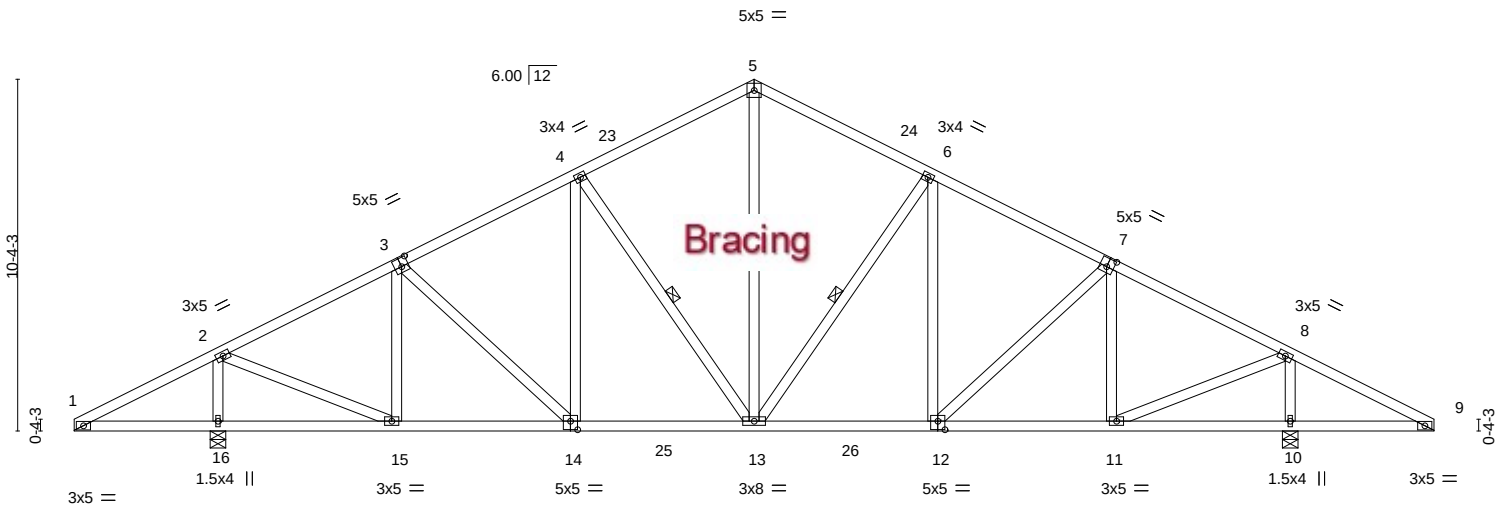
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	A5	Common	3	1	T26075489
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:35 2021 Page 1
ID:YqjqZhHtxx7pTzvHA4uJsPyKtfE-HVP0teW4t1k4sxCsCbu6wC?g4hzCISSjg0ecUHyGKoM

4-2-12	9-5-13	14-8-15	20-0-0	25-3-1	30-6-3	35-9-4	40-0-0
4-2-12	5-3-1	5-3-1	5-3-1	5-3-1	5-3-1	5-3-1	4-2-12

Scale = 1:67.8



4-0-0	4-2-12	9-5-13	14-8-15	20-0-0	25-3-1	30-6-3	35-9-4	36-0-0	40-0-0
4-0-0	0-2-12	5-3-1	5-3-1	5-3-1	5-3-1	5-3-1	5-3-1	0-2-12	4-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.09	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.16	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 243 lb	FT = 20%

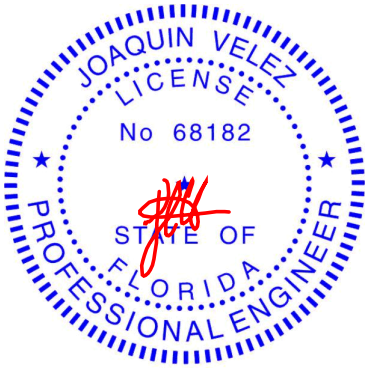
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 10=0-5-8, 16=0-5-8
Max Horz 16=183(LC 11)
Max Uplift 16=-77(LC 12)
Max Grav 10=1759(LC 18), 16=1759(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-228/327, 2-3=-1385/5, 3-4=-1455/66, 4-5=-1258/120, 5-6=-1258/120, 6-7=-1455/74, 7-8=-1385/30, 8-9=-228/327
BOT CHORD 15-16=-349/229, 14-15=0/1289, 13-14=0/1364, 12-13=0/1280, 11-12=0/1161
WEBS 5-13=-27/819, 6-13=-412/72, 7-11=-396/117, 8-11=-83/1484, 8-10=-1591/217, 4-13=-412/67, 3-15=-396/117, 2-15=-83/1484, 2-16=-1592/217

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-2-12, Interior(1) 4-2-12 to 20-0-0, Exterior(2R) 20-0-0 to 24-0-0, Interior(1) 24-0-0 to 40-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16.
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:
November 24,2021

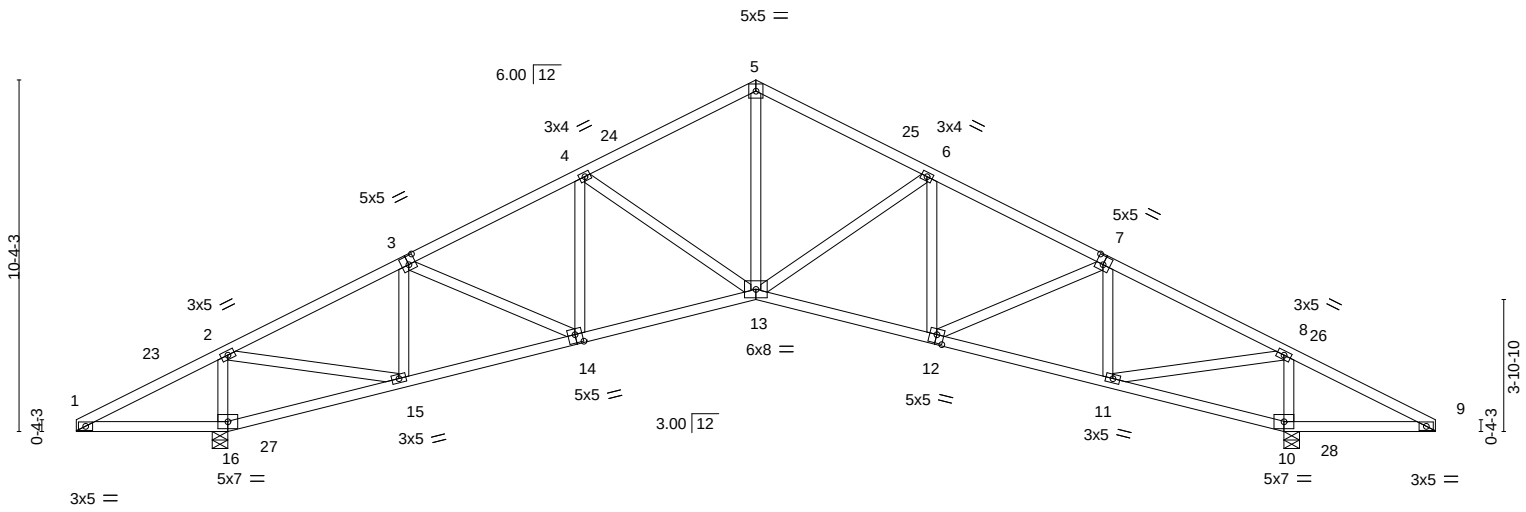
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	A5A	Roof Special	6	1	T26075490
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:37 2021 Page 1
ID:YqjqZhHtxx7pTzvHA4uJsPyKtfE-EtXmHKXLPe_o6FLFK0wa?d4?JUfVmML08K7jY9yGKoK

4-5-8	9-7-11	14-9-13	20-0-0	25-2-3	30-4-5	35-6-8	40-0-0
4-5-8	5-2-3	5-2-3	5-2-3	5-2-3	5-2-3	5-2-3	4-5-8

Scale = 1:67.8



4-0-0	4-5-8	9-7-11	14-9-13	20-0-0	25-2-3	30-4-5	35-6-8	36-0-0	40-0-0
4-0-0	0-5-8	5-2-3	5-2-3	5-2-3	5-2-3	5-2-3	5-2-3	0-5-8	4-0-0

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

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.40	Vert(LL)	-0.10	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25	BC	0.47	Vert(CT)	-0.22	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.37	Horz(CT)	0.15	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014	Matrix-AS							Weight: 215 lb	FT = 20%

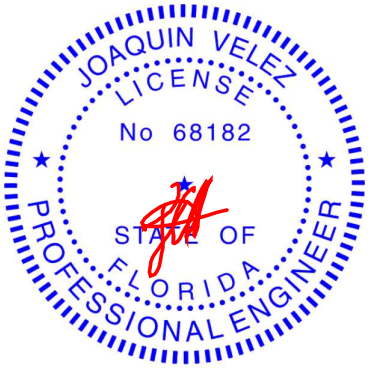
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 16=0-5-8, 10=0-5-8
Max Horz 16=-183(LC 10)
Max Uplift 16=-82(LC 12)
Max Grav 16=1600(LC 1), 10=1600(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-242/338, 2-3=-1535/0, 3-4=-1868/7, 4-5=-1712/14, 5-6=-1712/18, 6-7=-1868/20, 7-8=-1535/1, 8-9=-242/337
BOT CHORD 15-16=-421/270, 14-15=0/1404, 13-14=0/1703, 12-13=0/1703, 11-12=0/1354, 10-11=-349/259
WEBS 5-13=0/1182, 6-13=-287/90, 7-12=-24/362, 7-11=-572/97, 8-11=-33/1642, 8-10=-1407/166, 4-13=-287/82, 3-14=-23/362, 3-15=-572/96, 2-15=-29/1642, 2-16=-1407/164

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-0-0, Interior(1) 4-0-0 to 20-0-0, Exterior(2R) 20-0-0 to 24-0-0, Interior(1) 24-0-0 to 40-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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November 24,2021

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Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	CJ01	Diagonal Hip Girder	4	1	T26075491
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:38 2021 Page 1
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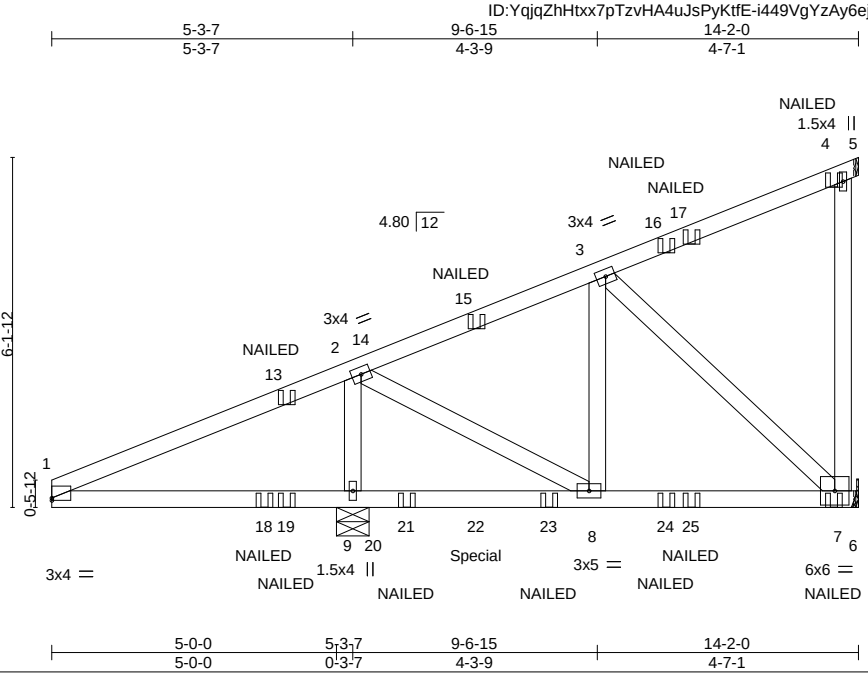


Plate Offsets (X,Y)-- [1:0-0-0,0-0-8]

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	0.82	Vert(LL)	0.06	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	0.11	8-9	>956	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 76 lb	FT = 20%

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

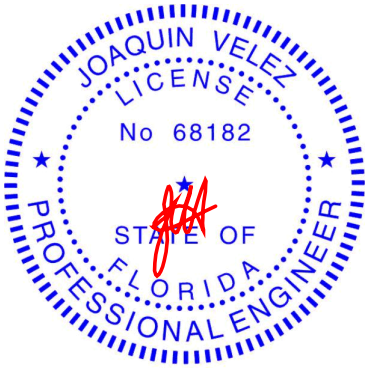
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-8-1 oc bracing.

REACTIONS. (size) 9=0-6-14, 7=Mechanical
Max Horz 9=271(LC 7)
Max Uplift 9=-394(LC 8), 7=-487(LC 7)
Max Grav 9=1515(LC 31), 7=314(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-94/1661, 2-3=-101/570
BOT CHORD 1-9=-1499/69, 8-9=-1668/204, 7-8=-609/182
WEBS 2-9=-1261/190, 2-8=-288/1464, 3-8=-594/0, 3-7=-170/783

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=394, 7=487.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 232 lb down and 52 lb up at 0-0-0, and 232 lb down and 52 lb up at 0-0-0 on top chord, and 65 lb down at 0-0-0, and 65 lb down at 0-0-0, and 344 lb up at 7-5-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20(F=40), 4-5=20(F=40)



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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 1=-393(F=-196, B=-196) 4=-40(F) 7=-138(F) 10=-131(F=-65, B=-65) 15=55(B) 16=-2(B) 18=-9(F) 19=-13(B) 22=185(B) 23=1(F) 24=54(B) 25=-80(F)

Trapezoidal Loads (plf)

Vert: 10=0(F=10, B=10)-to-20=-93(F=-37, B=-37), 20=0(F=10, B=10)-to-6=-150(F=-65, B=-65)

Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	F01	Floor	34	1	T26075492
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:39 2021 Page 1
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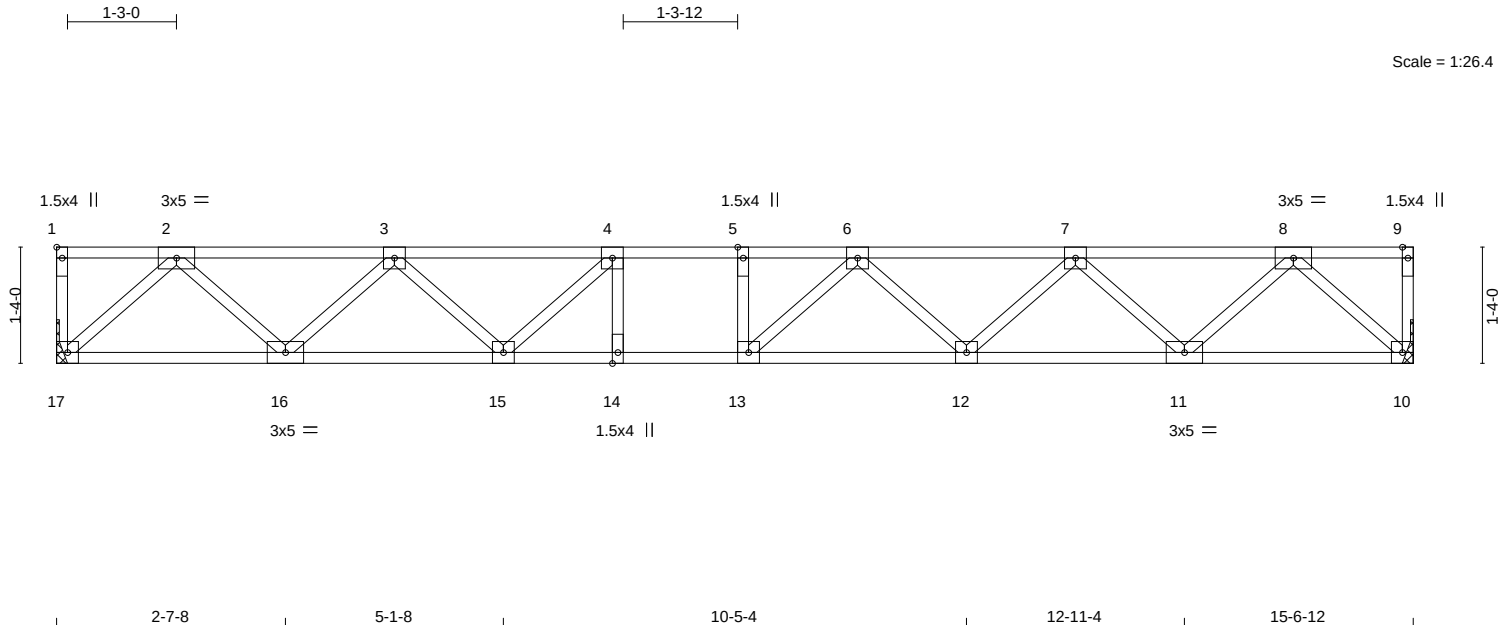


Plate Offsets (X,Y)-- [1:Edge,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.15	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.21	12-13	>868	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.05	10	n/a	n/a		
BCDL	5.0	Code FBC2020/TPI2014		Matrix-S							Weight: 80 lb	FT = 20%F, 11%E

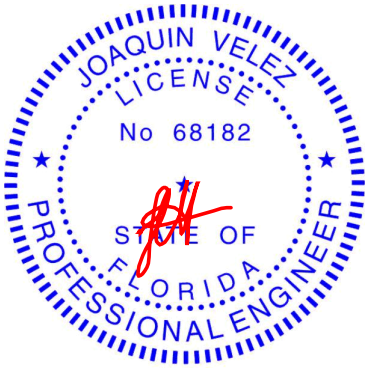
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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

REACTIONS. (size) 10=Mechanical, 17=Mechanical
Max Grav 10=849(LC 1), 17=849(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1477/0, 3-4=-2360/0, 4-5=-2681/0, 5-6=-2681/0, 6-7=-2366/0, 7-8=-1476/0
BOT CHORD 16-17=0/870, 15-16=0/2053, 14-15=0/2681, 13-14=0/2681, 12-13=0/2640, 11-12=0/2057, 10-11=0/869
WEBS 8-10=-1181/0, 2-17=-1182/0, 8-11=0/844, 2-16=0/844, 7-11=-808/0, 3-16=-801/0, 7-12=0/430, 3-15=0/466, 6-12=-382/0, 4-15=-551/0, 6-13=-188/350

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	J1	Jack-Partial	16	1	T26075493
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:40 2021 Page 1
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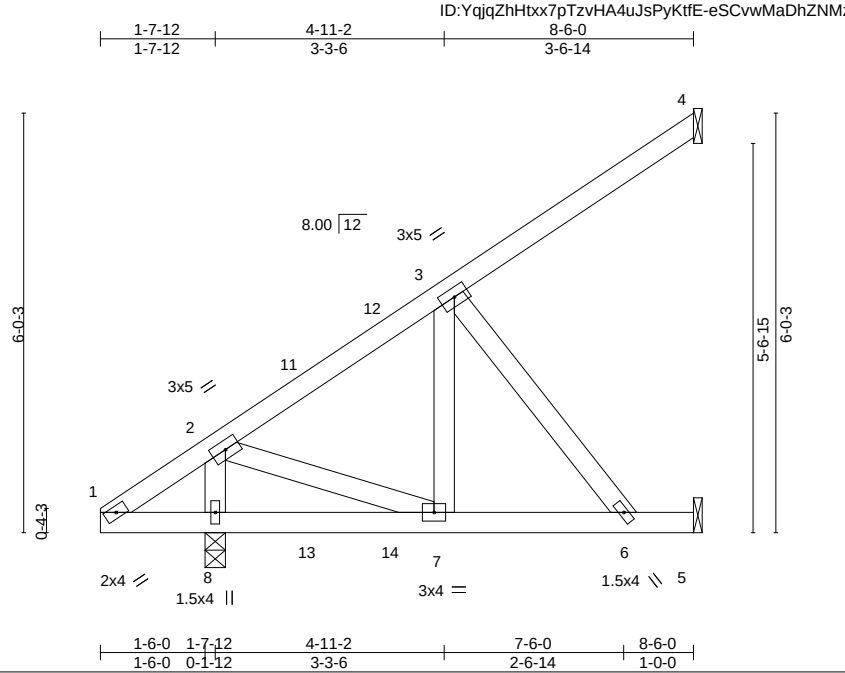


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.04	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.04	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 44 lb	FT = 20%

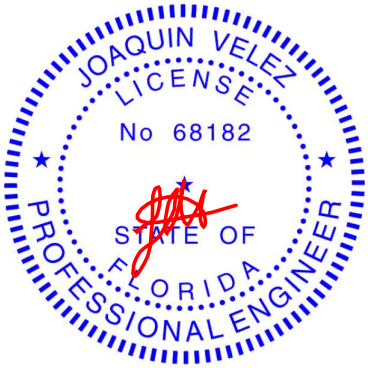
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 8=0-3-8
Max Horz 8=135(LC 12)
Max Uplift 4=-33(LC 12), 5=-78(LC 12), 8=-34(LC 12)
Max Grav 4=89(LC 17), 5=167(LC 1), 8=419(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-372/156, 3-6=-243/311

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



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Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	J1A	Jack-Partial	4	1	T26075494

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:40 2021 Page 1
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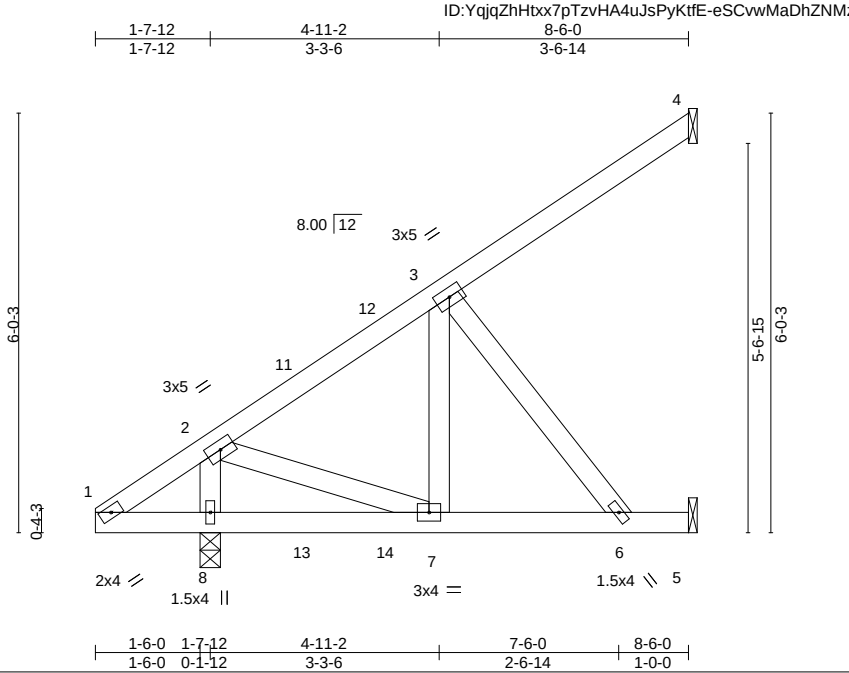


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.02	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.02	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 44 lb	FT = 20%

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

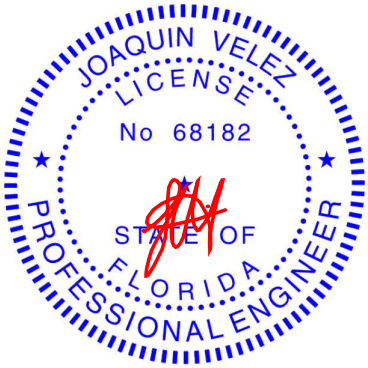
BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 8=0-3-8
Max Horz 8=135(LC 12)
Max Uplift 4=-33(LC 12), 5=-58(LC 12), 8=-135(LC 12)
Max Grav 4=88(LC 17), 5=91(LC 3), 8=891(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-598/719
BOT CHORD 1-8=-558/501, 7-8=-558/301
WEBS 2-8=-797/522, 2-7=-428/642

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 8=135.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 380 lb down and 333 lb up at 0-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 1-5=-20
Concentrated Loads (lb)
Vert: 1=-380(F)



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Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	J2	Jack-Partial	4	1	T26075495
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:41 2021 Page 1
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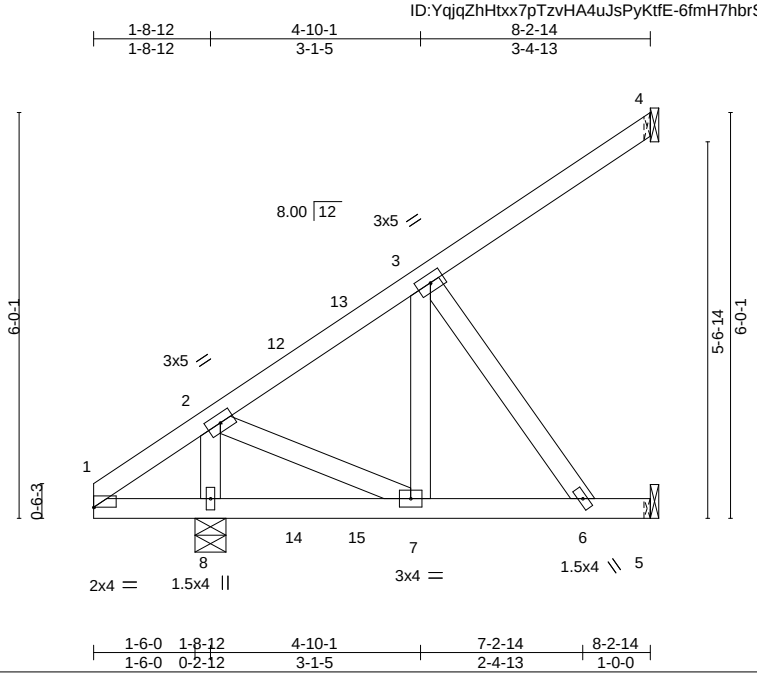


Plate Offsets (X,Y)-- [1:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	0.04	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.03	6-7	>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 FBC2020/TPI2014		Matrix-AS							Weight: 44 lb	FT = 20%

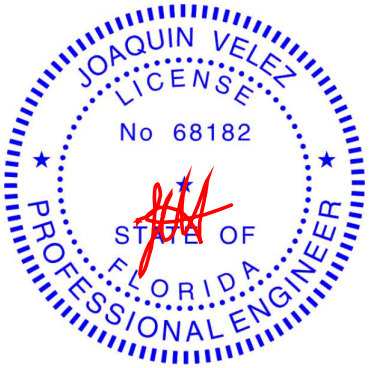
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 8=0-5-8
Max Horz 8=131(LC 12)
Max Uplift 4=-32(LC 12), 5=-78(LC 12), 8=-30(LC 12)
Max Grav 4=85(LC 17), 5=155(LC 1), 8=415(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-363/148, 3-6=-220/305

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



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Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	J3	Jack-Open	4	1	T26075496
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:42 2021 Page 1
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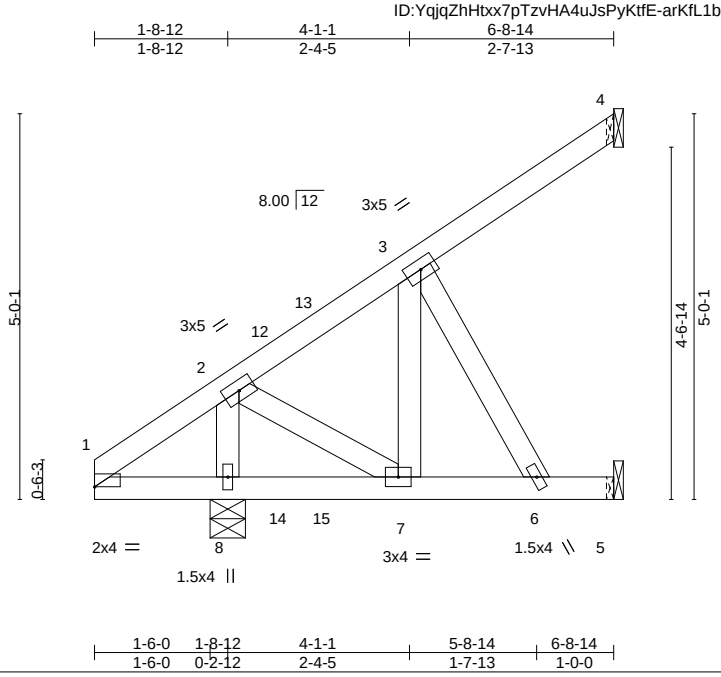


Plate Offsets (X,Y)-- [1:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	0.02	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	0.02	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 36 lb	FT = 20%

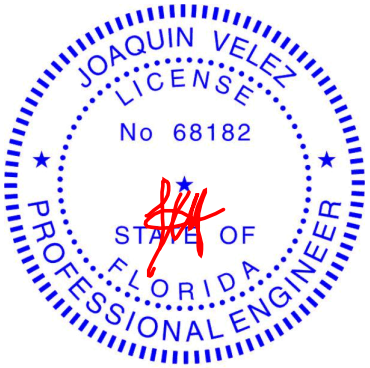
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 8=0-5-8
Max Horz 8=107(LC 12)
Max Uplift 4=-27(LC 12), 5=-63(LC 12), 8=-25(LC 12)
Max Grav 4=68(LC 1), 5=105(LC 1), 8=360(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-306/141, 3-6=-152/271

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



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Date:
November 24,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	J4	Jack-Open	4	1	T26075497
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:42 2021 Page 1
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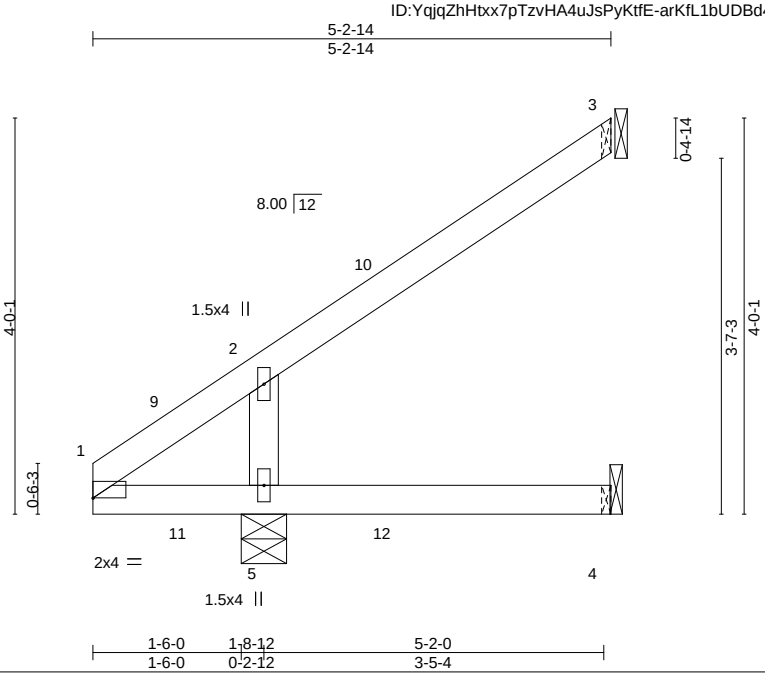


Plate Offsets (X,Y)-- [1:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	0.02	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	0.02	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.04	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 19 lb	FT = 20%

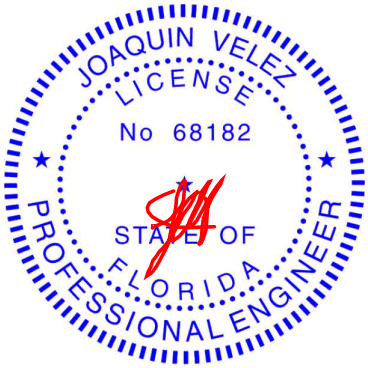
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 5=0-5-8
Max Horz 5=83(LC 12)
Max Uplift 3=-46(LC 12), 4=-23(LC 9), 5=-21(LC 12)
Max Grav 3=87(LC 17), 4=52(LC 3), 5=311(LC 1)

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

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



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November 24,2021

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Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	J5	Jack-Open	4	1	T26075498
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:43 2021 Page 1
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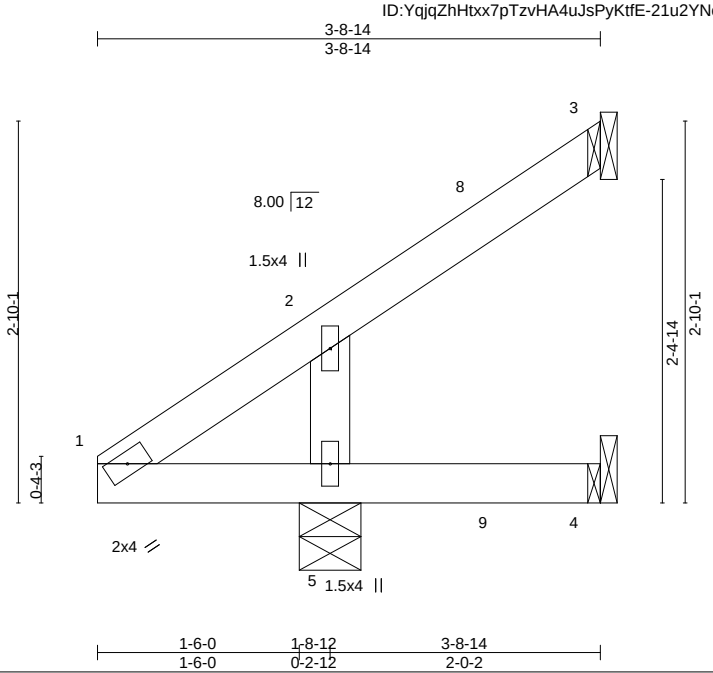


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 14 lb	FT = 20%

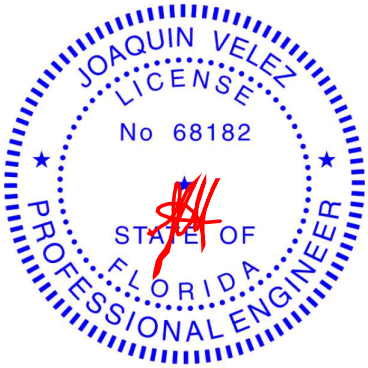
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 5=0-5-8
Max Horz 5=59(LC 12)
Max Uplift 3=-27(LC 12), 4=-21(LC 18), 5=-22(LC 12)
Max Grav 3=36(LC 17), 4=12(LC 3), 5=278(LC 1)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 3-8-2 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
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4, 5.



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Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	J6	Jack-Open	4	1	T26075499
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:44 2021 Page 1
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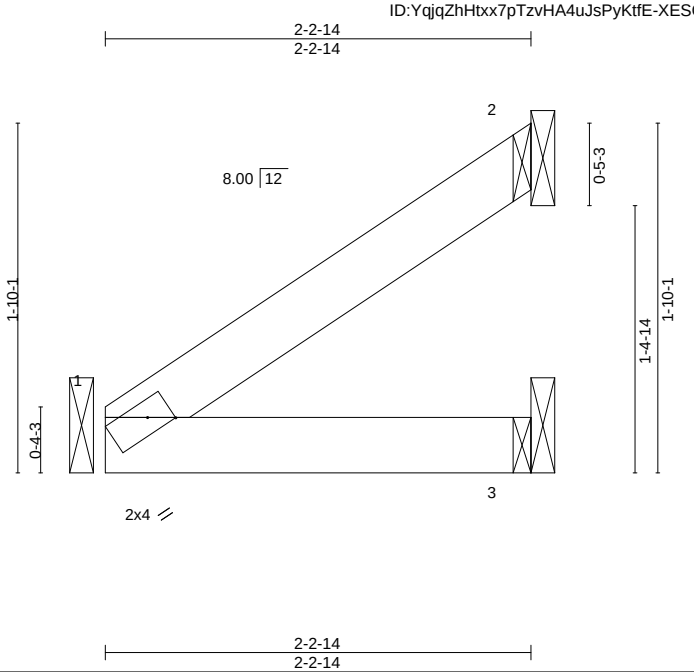


Plate Offsets (X,Y)-- [1:0-1-8,Edge]

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	0.06	Vert(LL)	-0.00	4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 7 lb	FT = 20%

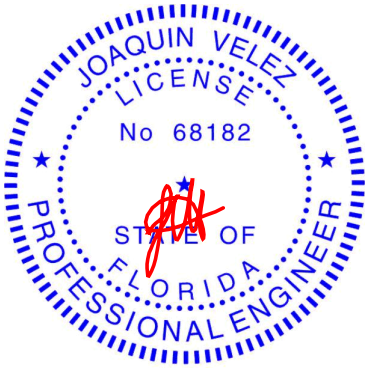
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=Mechanical, 2=Mechanical, 3=Mechanical
Max Horz 2=35(LC 12)
Max Uplift 1=-31(LC 12), 3=-10(LC 12)
Max Grav 1=87(LC 1), 2=55(LC 1), 3=41(LC 3)

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

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



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Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	J7	Jack-Partial	4	1	T26075500

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:44 2021 Page 1
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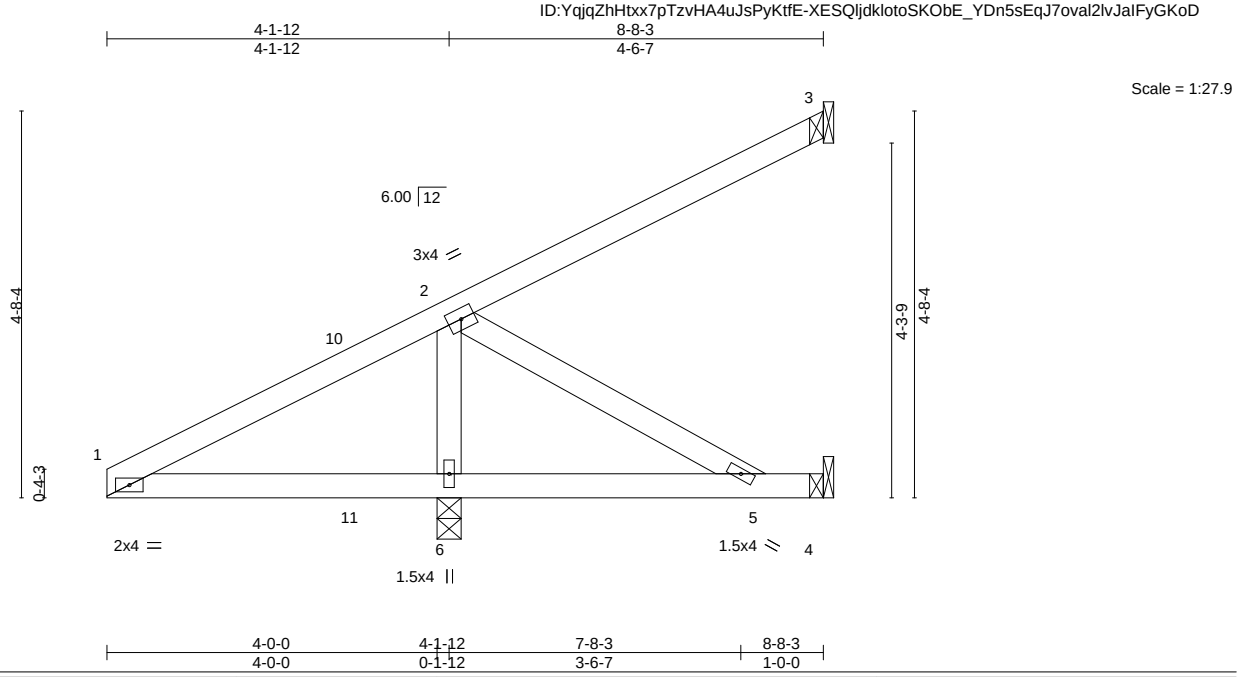


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	0.02	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	0.02	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 36 lb	FT = 20%

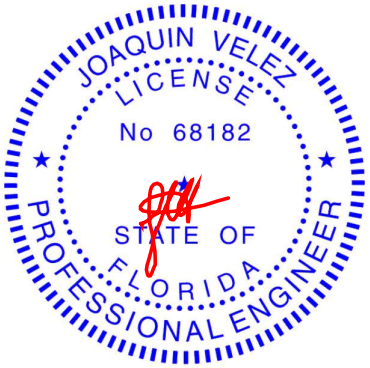
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 6=0-3-8
Max Horz 6=103(LC 12)
Max Uplift 3=-32(LC 12), 4=-92(LC 18), 6=-92(LC 12)
Max Grav 3=102(LC 1), 6=664(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-292/336
BOT CHORD 1-6=-238/294
WEBS 2-6=-572/328, 2-5=-146/273

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



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November 24,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	J8	Jack-Open	4	1	T26075501

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:45 2021 Page 1

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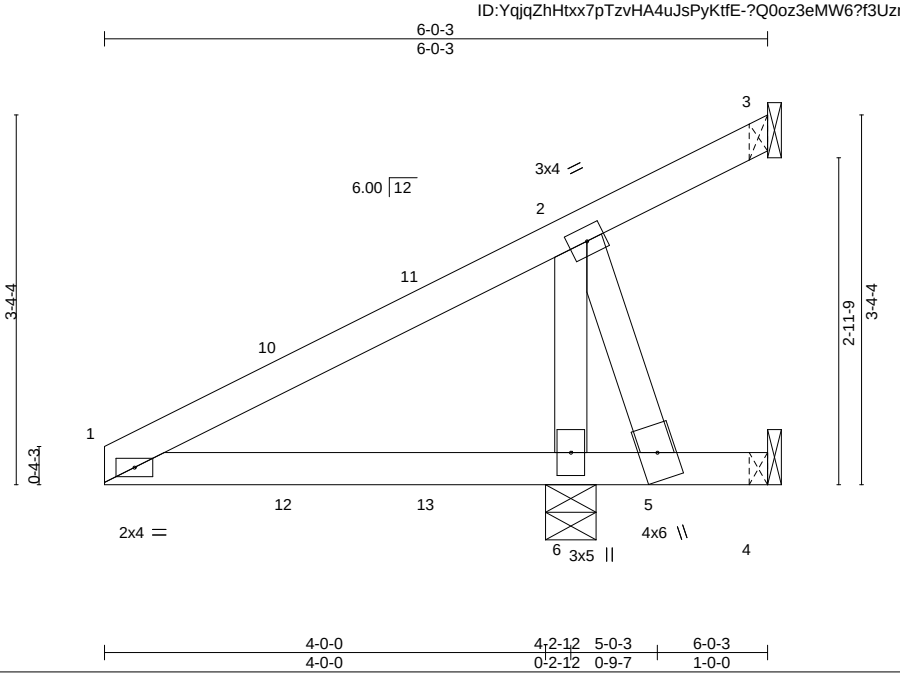


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	0.01	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	0.02	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	-0.06	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 25 lb	FT = 20%

LUMBER-

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

BRACING-

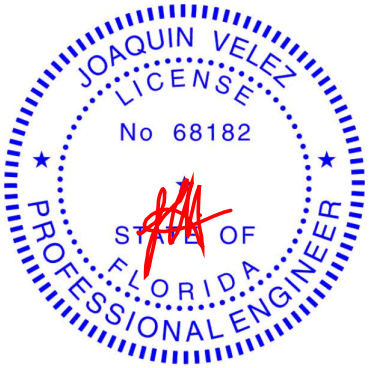
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 6=0-5-8
Max Horz 6=71(LC 12)
Max Uplift 3=-36(LC 3), 4=-311(LC 1), 6=-114(LC 12)
Max Grav 3=1(LC 12), 4=10(LC 12), 6=823(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-320/335
BOT CHORD 1-6=-237/321
WEBS 2-6=-1027/811, 2-5=-508/658

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 5-11-7 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 4=311, 6=114.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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November 24,2021

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Job	Truss	Truss Type	Qty	Ply	James Baker
BAKER	J9	Jack-Open	4	1	T26075502
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:46 2021 Page 1

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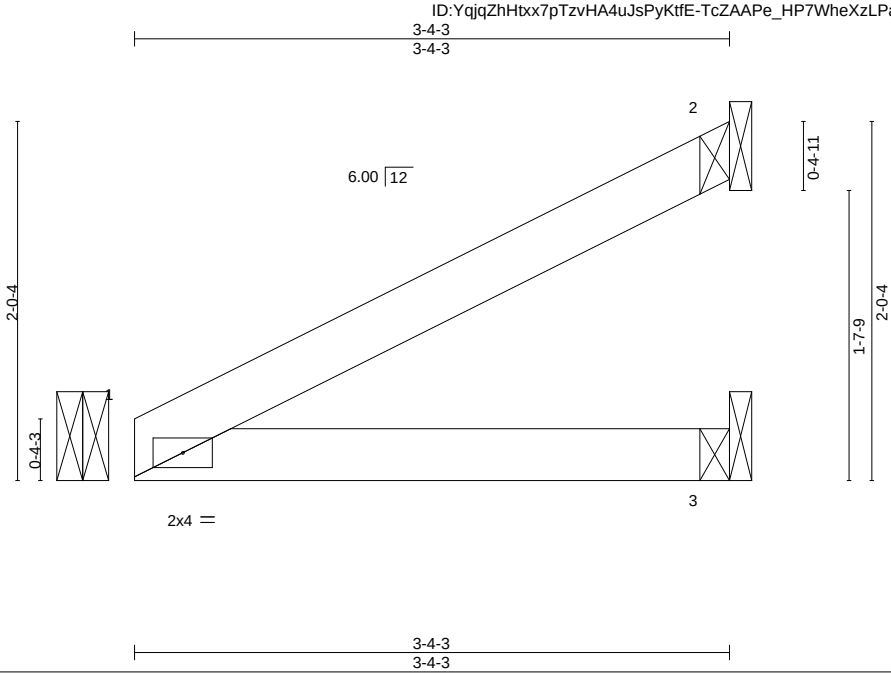


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	0.02	3-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	3-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 11 lb	FT = 20%

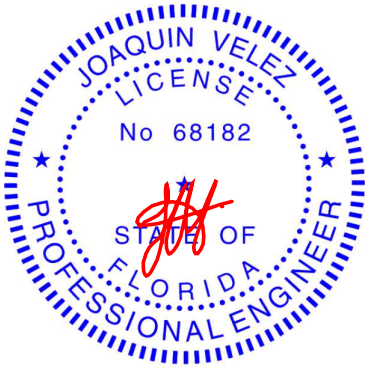
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 1=Mechanical, 2=Mechanical, 3=Mechanical
Max Horz 2=39(LC 12)
Max Uplift 1=-38(LC 12), 2=-6(LC 12), 3=-13(LC 12)
Max Grav 1=131(LC 1), 2=85(LC 1), 3=61(LC 3)

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

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



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November 24,2021

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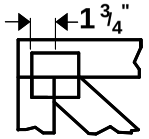
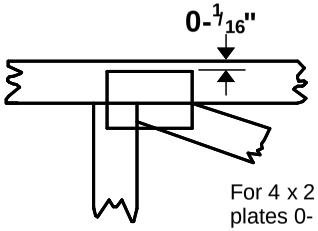
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

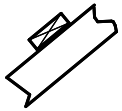
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

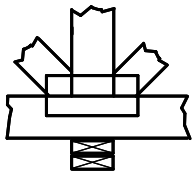
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

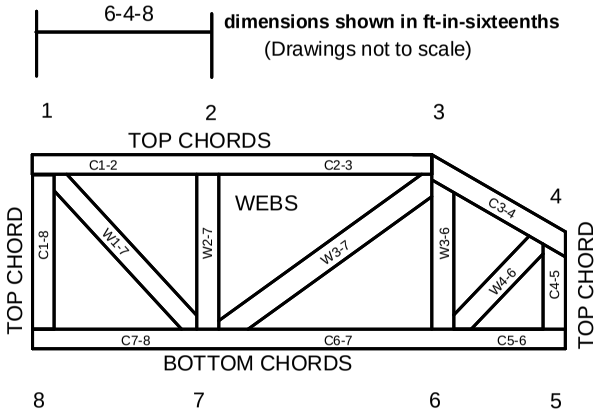


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

21.The design does not take into account any dynamic or other loads other than those expressly stated.