

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.

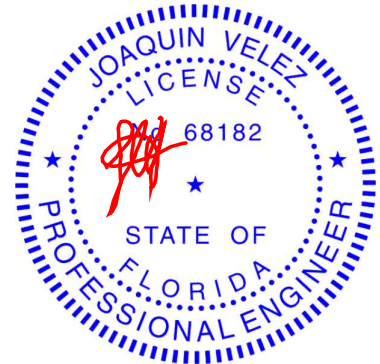
No.	Seal#	Truss Name	Date
1	T26075483	A1GIR	11/24/21
2	T26075484	A2	11/24/21
3	T26075485	A3	11/24/21
4	T26075486	A3A	11/24/21
5	T26075487	A4	11/24/21
6	T26075488	A4A	11/24/21
7	T26075489	A5	11/24/21
8	T26075490	A5A	11/24/21
9	T26075491	CJ01	11/24/21
10	T26075492	F01	11/24/21
11	T26075493	J1	11/24/21
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.

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



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

November 24, 2021

6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	James Baker	T26075483
BAKER	A1GIR	Hip Girder	2	2	Job Reference (optional)	

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

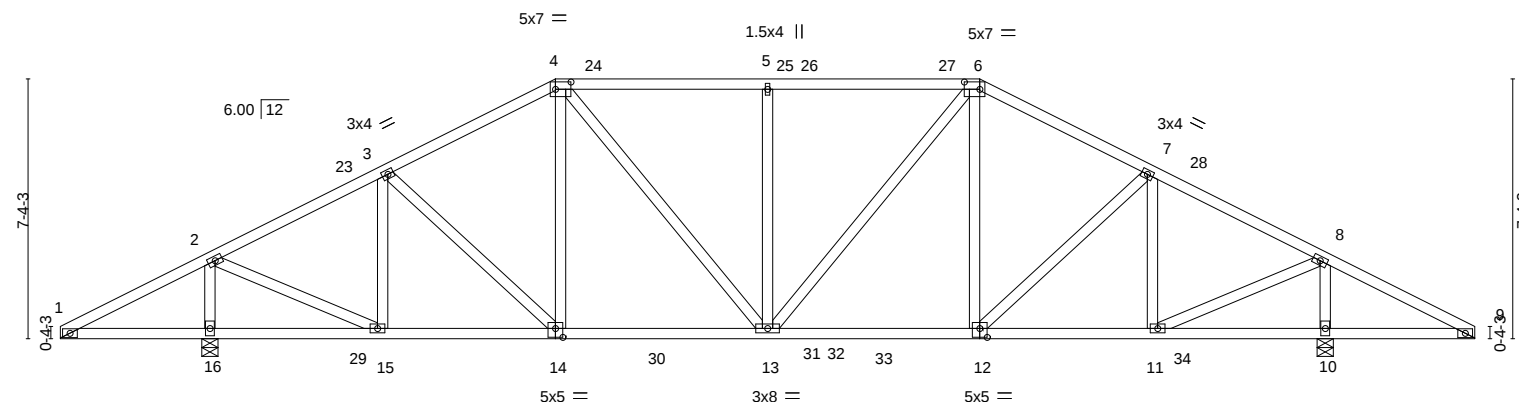
Mayo Truss Company, Inc., Mayo, FL - 32066,

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ID:YqjqZhHtx7pTzvHA4uJsPyKtfE-?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.

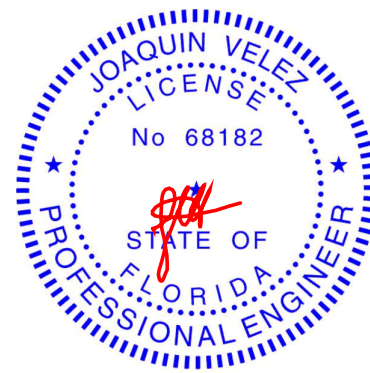
(size) 16=0-5-8, 10=0-5-8
Max Horz 16=-129(LC 10)
Max Uplift 16=-349(LC 12), 10=-266(LC 12)
Max Grav 16=1742(LC 2), 10=1742(LC 2)

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-

- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 3x5 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- 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.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 24,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Tampa, FL 36610

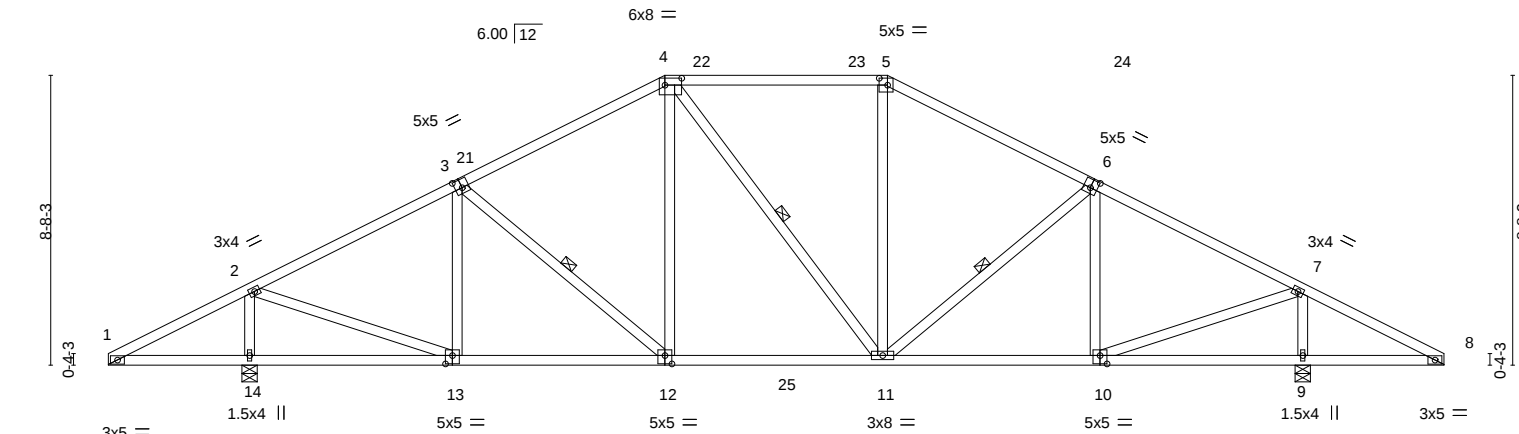
Job BAKER	Truss A3	Truss Type Hip	Qty 1	Ply 1	James Baker T26075485
Job Reference (optional)					

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

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ID:YqjqZhHbx7pTzvHA4uJsPyKtFE-TL2lcbRKHB_w80kisKnigxlc3GuNuk7rl4BlGdyGKoS

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.

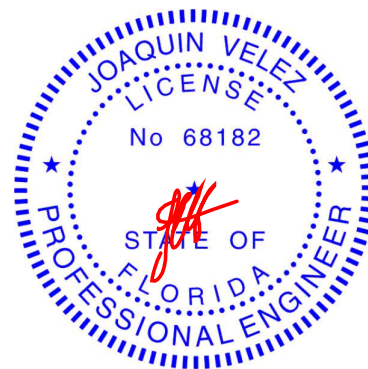
(size) 14=0-5-8, 9=0-5-8
Max Horz 14=153(LC 11)
Max Uplift 14=-77(LC 12)
Max Grav 14=1752(LC 17), 9=1747(LC 18)

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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14.
- 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
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Date:

November 24,2021

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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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

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

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

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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

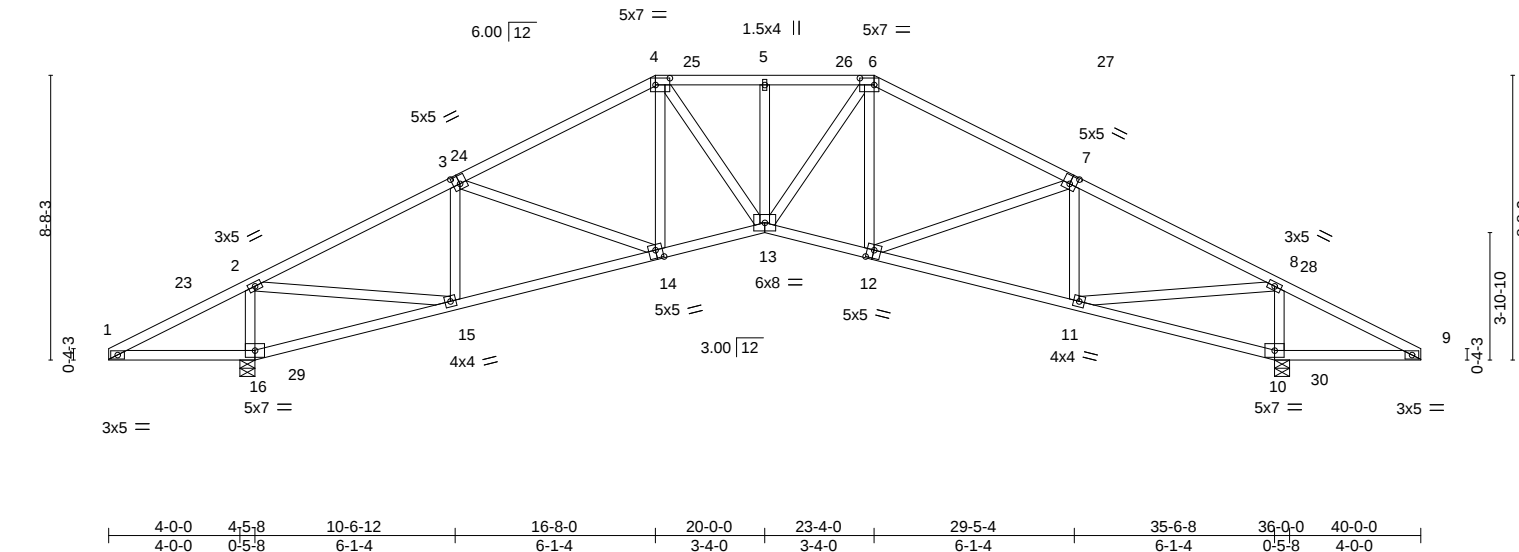


Plate Offsets (X,Y)--										[3:0-2-8,0-3-0], [4:0-5-4,0-2-8], [6:0-5-4,0-2-8], [7:0-2-8,0-3-0], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0]									
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.66	Vert(LL)	-0.11	13	>999		240		MT20		244/190		
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.

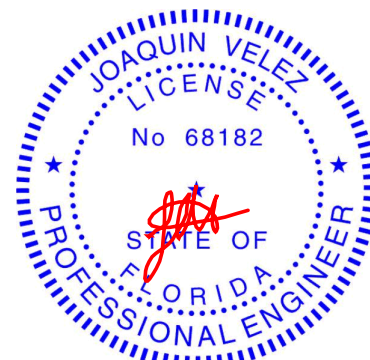
(size) 16=0-5-8, 10=0-5-8
Max Horz 16=153(LC 11)
Max Uplift 16=82(LC 12)
Max Grav 16=1600(LC 1), 10=1600(LC 1)

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.



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Date:

November 24, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



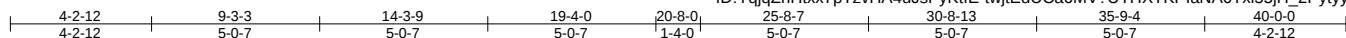
6904 Parke East Blvd.
Tampa, FL 36610

Job BAKER	Truss A4	Truss Type Hip	Qty 1	Ply 1	James Baker T26075487
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Mayo Truss Company, Inc., Mayo, FL - 32066,

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Scale = 1:69.0

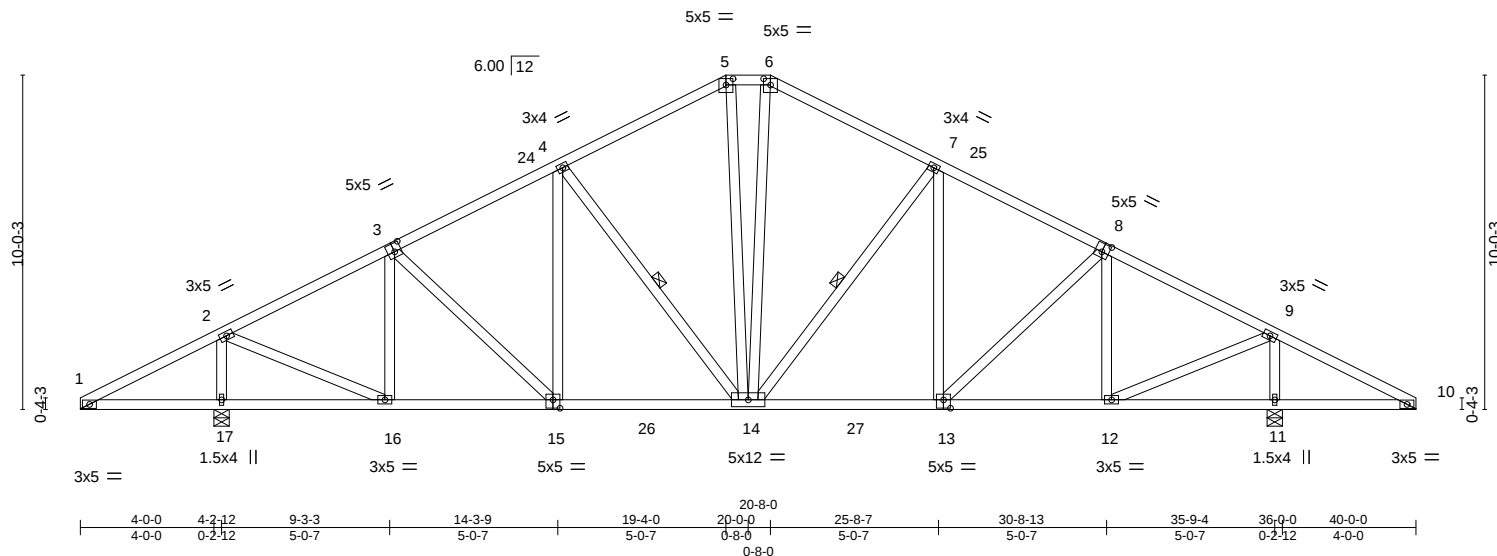


Plate Offsets (X,Y)--										[3:0-2-8,0-3-0], [5:0-2-8,0-2-4], [6:0-2-8,0-2-4], [8:0-2-8,0-3-0], [13:0-2-8,0-3-0], [15:0-2-8,0-3-0]									
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.36	Vert(LL)	-0.09	13-14	>999		240		MT20		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-

- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17.
- 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
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Date:

November 24,2021

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

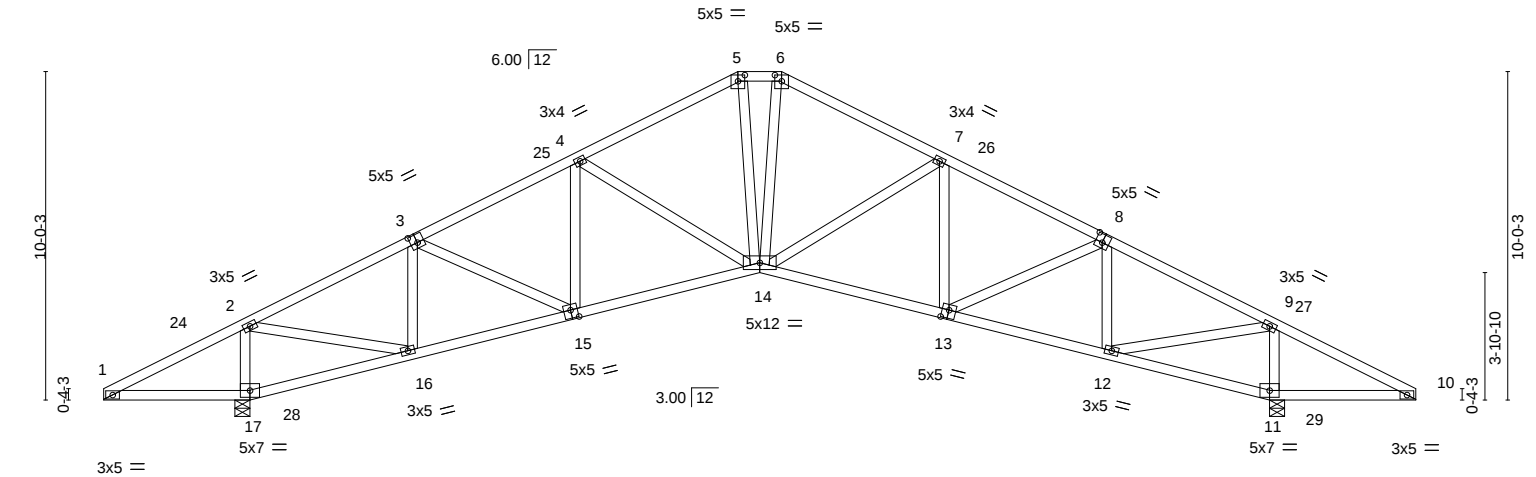


6904 Parke East Blvd.
Tampa, FL 36610

Job BAKER	Truss A4A	Truss Type Hip	Qty 1	Ply 1	James Baker	T26075488
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
Job Reference (optional)						ID:YqjgZnHbx7pTzvHA4uJsPyKtE-plreflVS6jcDFodgeuNtN?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%

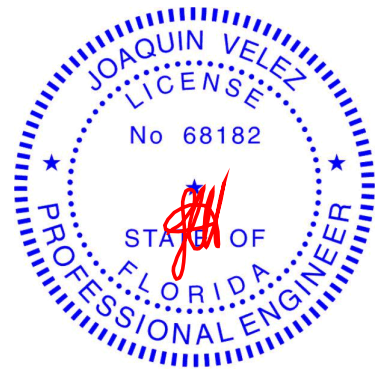
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2	

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-

- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17.
- 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 36610

Job BAKER	Truss A5	Truss Type Common	Qty 3	Ply 1	James Baker T26075489
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
Job Reference (optional)					ID:YqjgZhHbx7pTzvHA4uJsPyKtE-HVP0teW4t1k4sxCsCbu6wC?g4hzCISSjg0ecUHyGKoM

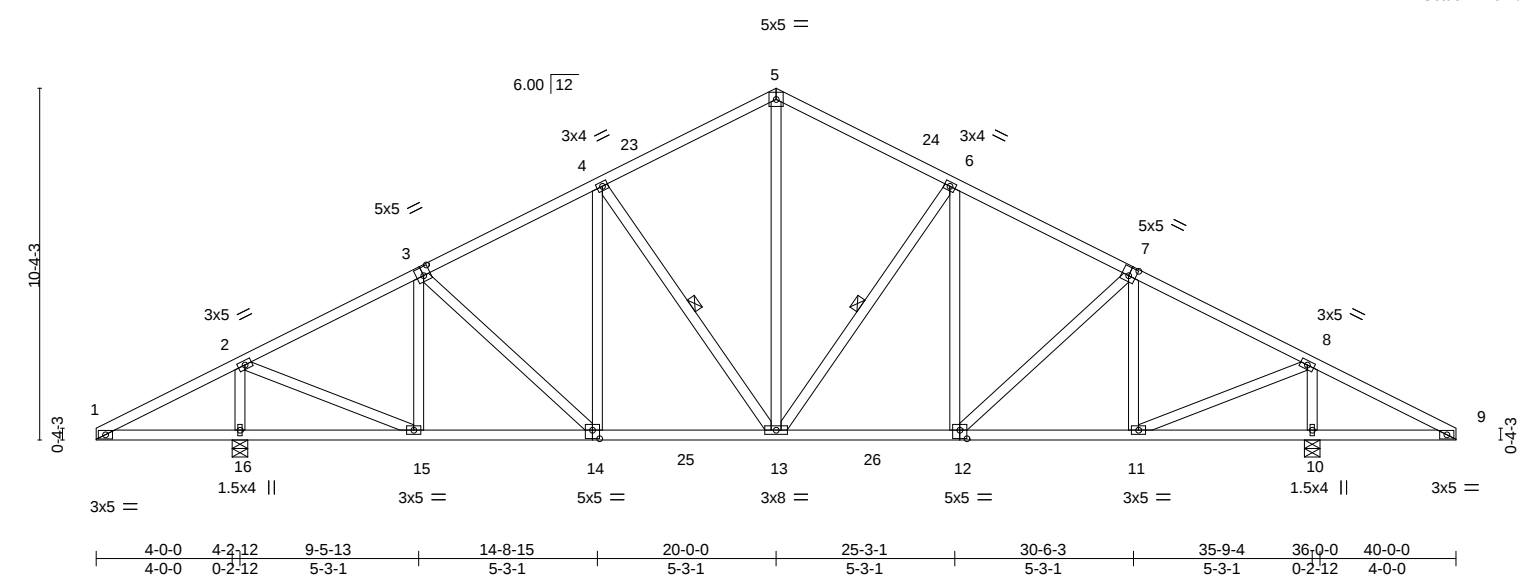
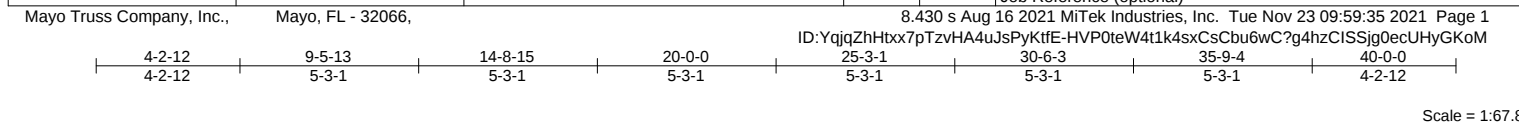


Plate Offsets (X,Y)--		[3:0-2-8,0-3-0], [7:0-2-8,0-3-0], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0]
LOADING (psf)	SPACING-	2-0-0
TCLL 20.0	Plate Grip DOL	1.25
TCDL 10.0	Lumber DOL	1.25
BCLL 0.0 *	Rep Stress Incr	YES
BCDL 10.0	Code	FBC2020/TPI2014
	CSI.	
	TC	0.38
	BC	0.53
	WB	0.33
	Matrix-AS	
	DEFL.	
	in (loc)	l/defl L/d
	Vert(LL)	-0.09 13-14 >999 240
	Vert(CT)	-0.16 13-14 >999 180
	Horz(CT)	0.04 10 n/a n/a
	PLATES	GRIP
	MT20	244/190
	Weight: 243 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2	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; TCCL=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.



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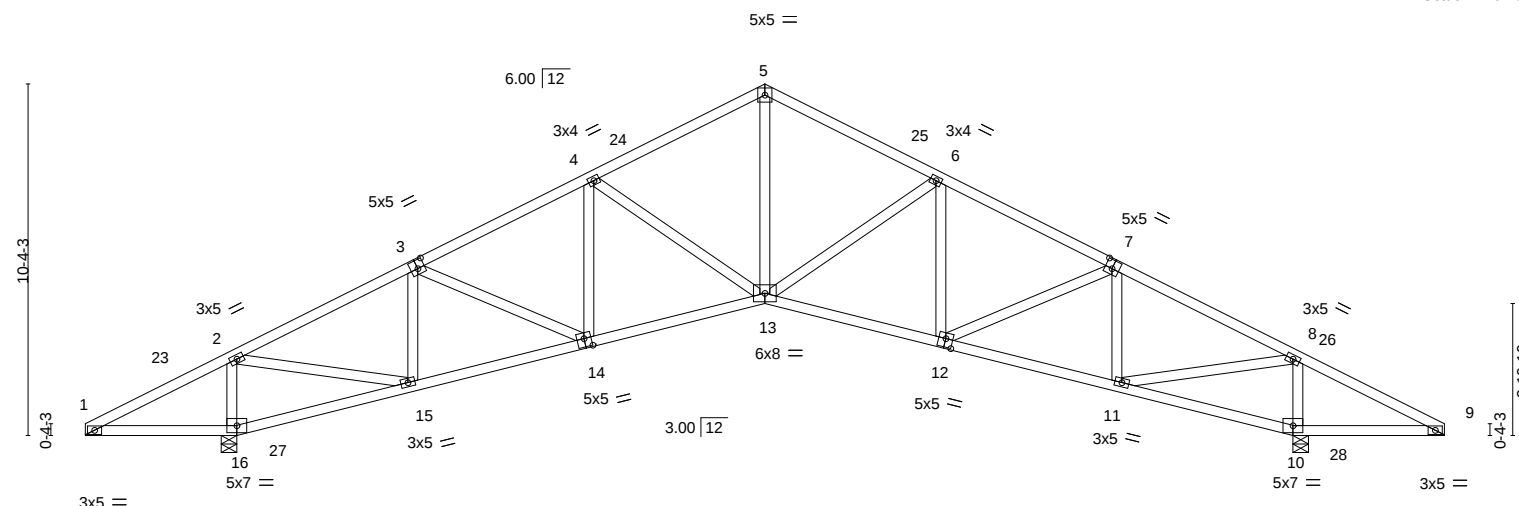
Job BAKER	Truss A5A	Truss Type Roof Special	Qty 6	Ply 1	James Baker T26075490
Mayo Truss Company, Inc., Mayo, FL - 32066,					Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:37 2021 Page 1

ID:YqjqZhHbx7pTzvHA4uJsPyKtE-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.

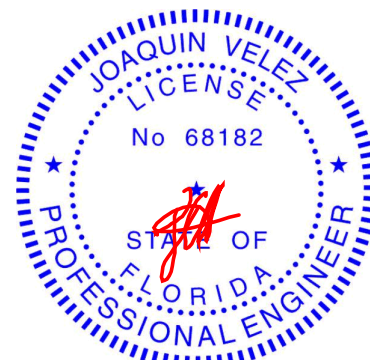
(size) 16=0-5-8, 10=0-5-8
Max Horz 16=-183(LC 10)
Max Uplift 16=-82(LC 12)
Max Grav 16=1600(LC 1), 10=1600(LC 1)

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-

- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16.
- 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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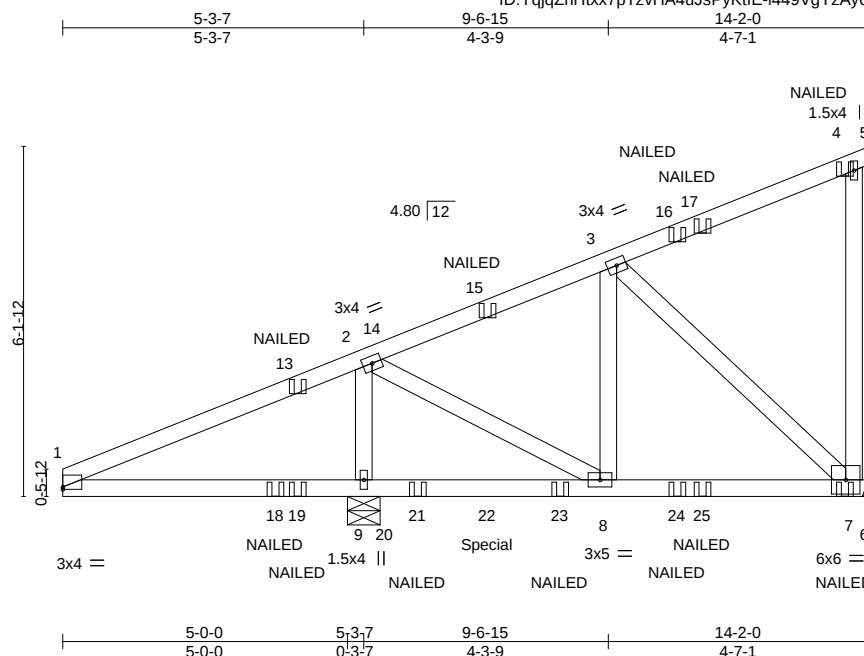
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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6904 Parke East Blvd.
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Job BAKER	Truss CJ01	Truss Type Diagonal Hip Girder	Qty 4	Ply 1	James Baker T26075491
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 ID:YqjqZhHbx7pTzvHA4uJsPyKtE-i449VgYzAy6ejPwRtjRpXqd4TuuoVqq9N_sG5cyGKoJ
Job Reference (optional)					



Scale = 1:40.5

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.

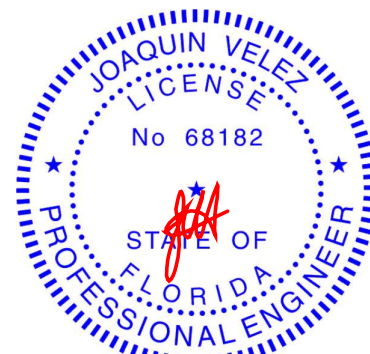
TOP CHORD 1-2=-94/1661, 2-3=-101/570
BOT CHORD 1-9=-1499/69, 8-9=-1668/204, 7-8=-609/182
WEBS 2-9=-1261/190, 2-8=-288/1464, 3-8=-594/0, 3-7=-170/783

NOTES-

- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Refer to girder(s) for truss to truss connections.
- 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.
- "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 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.
- 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

- 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)



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

November 24,2021

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	James Baker	T26075491
BAKER	CJ01	Diagonal Hip Girder	4	1	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 2
ID:YqjqZhHbx7pTzvHA4uJsPyKtfE-i449VgYzAy6ejPwRtjRpXqd4TuuoVqq9N_sG5cyGKoJ

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 BAKER	Truss F01	Truss Type Floor	Qty 34	Ply 1	James Baker T26075492 Job Reference (optional)
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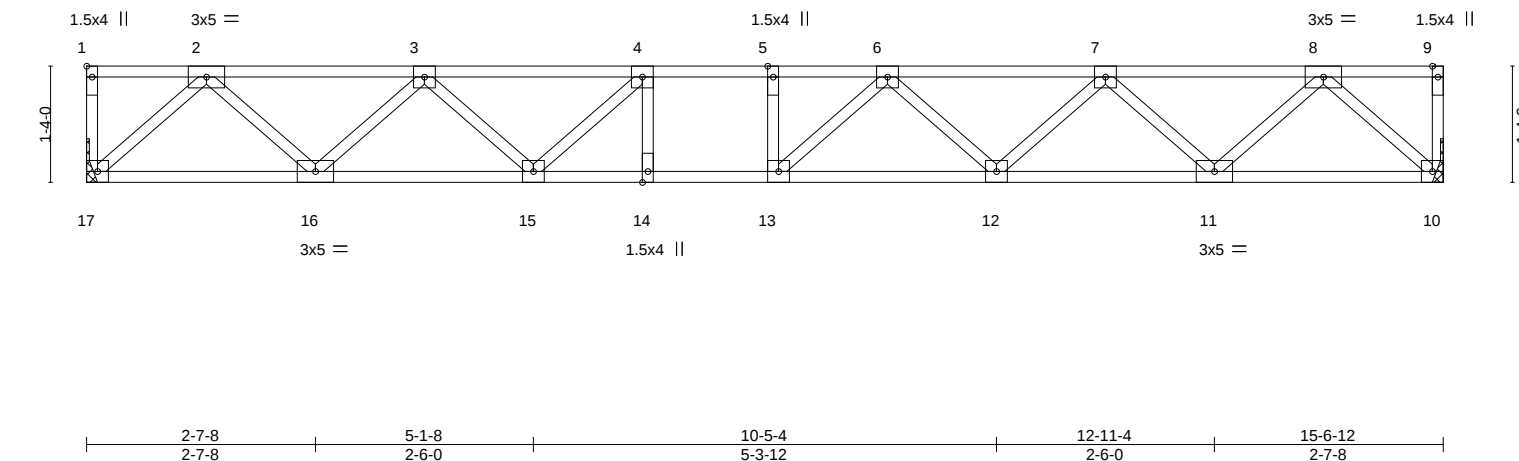
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:39 2021 Page 1
ID:YqjqZhHtx7pTzvHA4uJsPyKtfE-AGeXi0ZbwGFVLZVdRRy2429KfIE8EivJbecqd2yGK0l

1-3-0

1-3-12

Scale = 1:26.4



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.

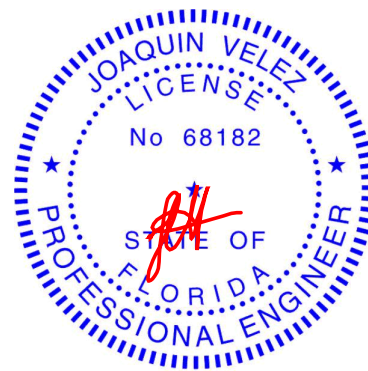
(size) 10=Mechanical, 17=Mechanical
Max Grav 10=849(LC 1), 17=849(LC 1)

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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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



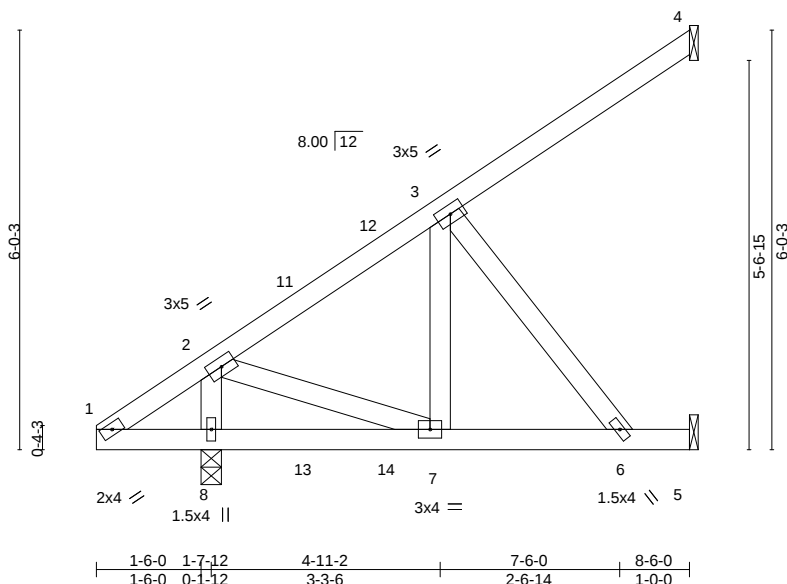
6904 Parke East Blvd.
Tampa, FL 36610

Job BAKER	Truss J1	Truss Type Jack-Partial	Qty 16	Ply 1	James Baker T26075493
Mayo Truss Company, Inc., Mayo, FL - 32066,					Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:40 2021 Page 1
ID:YqjqZhHbx7pTzvHA4uJsPyKtE-eSCvwMaDhZNMzj4q?8UHdFiaaijZzmhSqlLN9UyGKoH

1-7-12	4-11-2	8-6-0
1-7-12	3-3-6	3-6-14

Scale = 1:33.0



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 0.14	Vert(LL)	0.04 6-7	>999	240	MT20	244/190
BCDL 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.

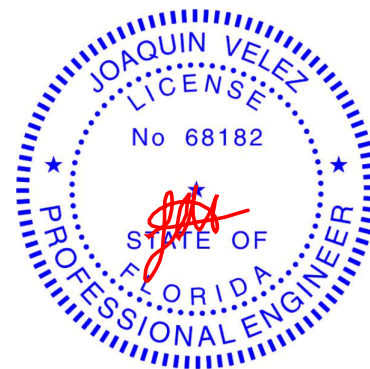
(size) 4=Mechanical, 5=Mechanical, 8=0-3-8
Max Horz 8=135(LC 12)
Max Uplift 4=-33(LC 12), 5=-78(LC 12), 8=-34(LC 12)
Max Grav 4=89(LC 17), 5=167(LC 1), 8=419(LC 1)

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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November 24, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

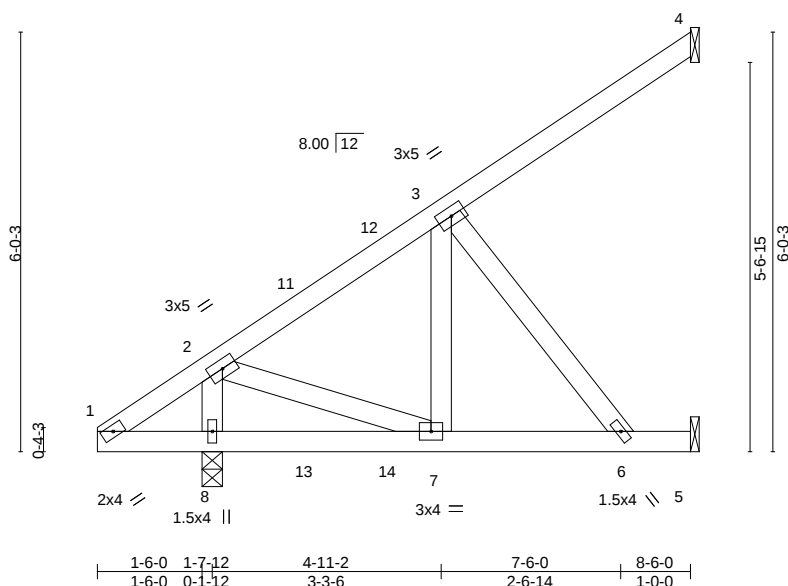


6904 Parke East Blvd.
Tampa, FL 36610

Job BAKER	Truss J1A	Truss Type Jack-Partial	Qty 4	Ply 1	James Baker T26075494
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
Job Reference (optional)					ID:YqjqZhHtx7pTzvHA4uJsPyKtE-eSCvwMaDhZNMzj4q?8UHDfiYNil6zldSqlLN9UyGKoH

1-7-12	4-11-2	8-6-0
1-7-12	3-3-6	3-6-14

Scale = 1:33.0



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)	0.02	6-7	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.22	Vert(CT)	-0.02	6-7	>999	180	244/190
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.

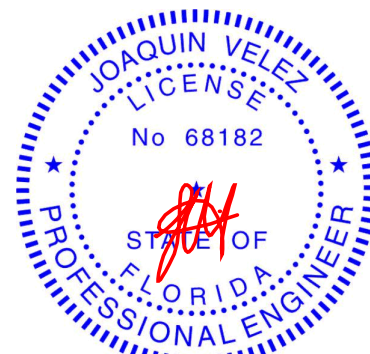
TOP CHORD 1-2=-598/719
BOT CHORD 1-8=-558/501, 7-8=-558/301
WEBS 2-8=-797/522, 2-7=-428/642

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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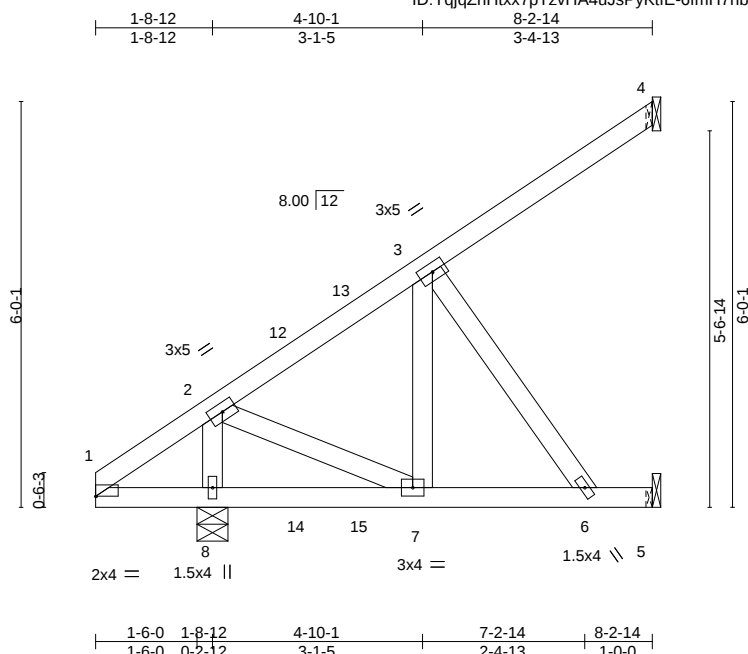
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job BAKER	Truss J2	Truss Type Jack-Partial	Qty 4	Ply 1	James Baker T26075495
Mayo Truss Company, Inc., Mayo, FL - 32066,					Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:41 2021 Page 1
ID:YqjqZhHtxx7pTzvHA4uJsPyKtE-6fmH7hbrStVDbf0Zs?W9TEmW54wiD3c3y5whxyGKoG



Scale = 1:34.1

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.

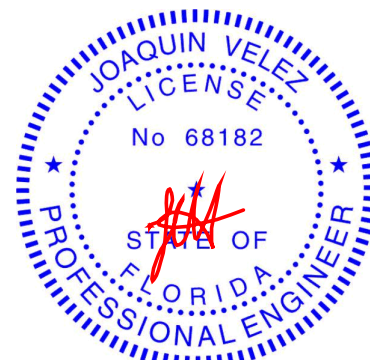
(size) 4=Mechanical, 5=Mechanical, 8=0-5-8
Max Horz 8=131(LC 12)
Max Uplift 4=-32(LC 12), 5=-78(LC 12), 8=-30(LC 12)
Max Grav 4=85(LC 17), 5=155(LC 1), 8=415(LC 1)

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 BAKER	Truss J3	Truss Type Jack-Open	Qty 4	Ply 1	James Baker T26075496
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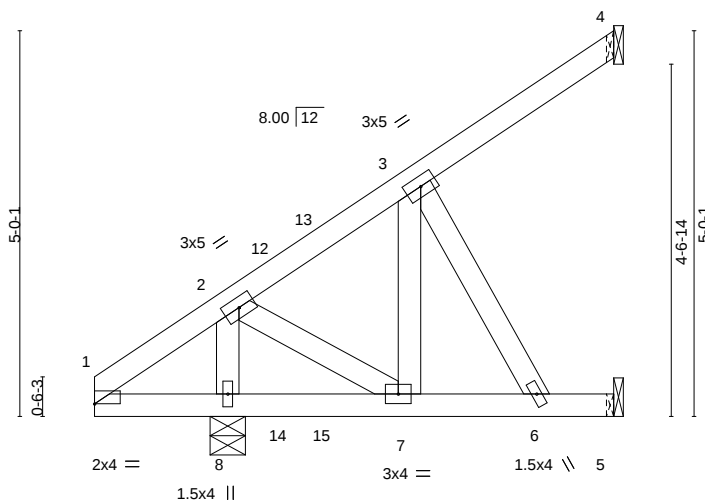
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:42 2021 Page 1

ID:YqjqZhHbxx7pTzvHA4uJsPyKtFE-arkfL1bUDbD4C0EC6ZWlignx_VRBRhdIHbqUENyGKoF

1-8-12 4-1-1 6-8-14
1-8-12 2-4-5 2-7-13

Scale = 1:29.9



1-6-0 1-8-12 4-1-1 5-8-14 6-8-14
1-6-0 0-2-12 2-4-5 1-7-13 1-0-0

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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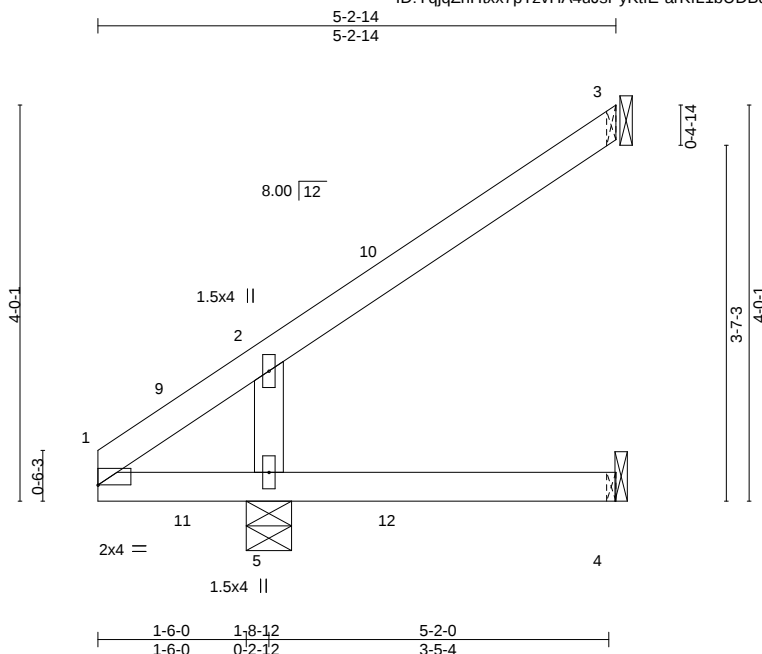
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6904 Parke East Blvd.
Tampa, FL 36610

Job BAKER	Truss J4	Truss Type Jack-Open	Qty 4	Ply 1	James Baker T26075497
Mayo Truss Company, Inc., Mayo, FL - 32066,					Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:42 2021 Page 1
ID:YqjqZhHtxx7pTzvHA4uJsPyKtfE-arKfL1bUDbD4C0EC6ZWlgnwkVSNRh_IHbqUENyGKoF



Scale = 1:23.3

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.

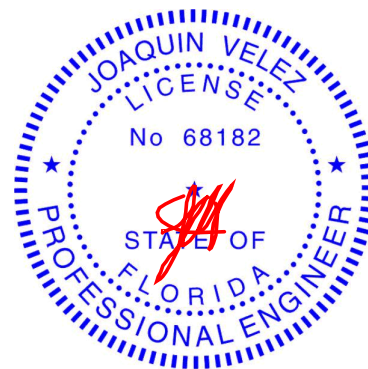
REACTIONS.

(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.



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

November 24,2021

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



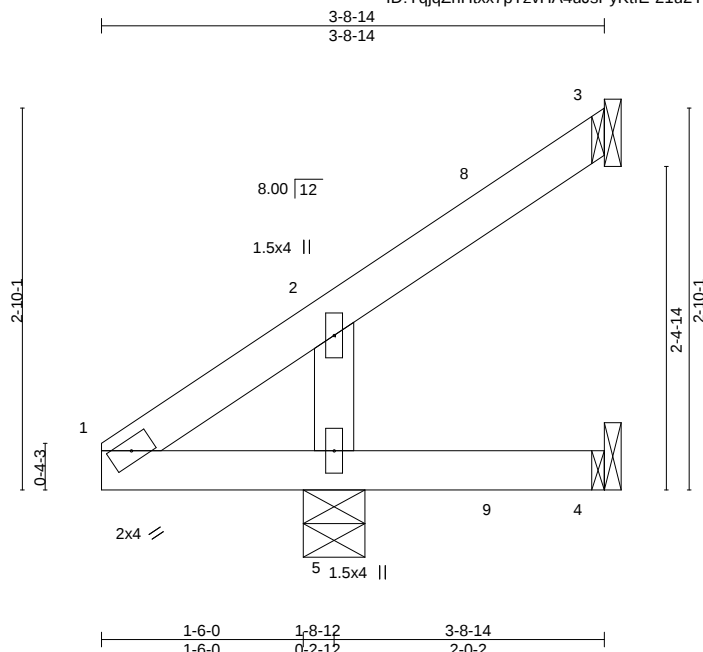
6904 Parke East Blvd.
Tampa, FL 33610

Job BAKER	Truss J5	Truss Type Jack-Open	Qty 4	Ply 1	James Baker T26075498
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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

ID:YqjqZhHtx7pTzvHA4uJsPyKtE-21u2YNc6_UlxqApOgH1_EuK5yvoUA8lvWFa1mpyGKoE



Scale = 1:17.1

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 0.13	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/TP12014		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.

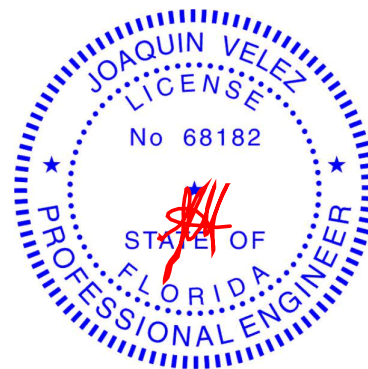
REACTIONS.

(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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Date:

November 24,2021

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

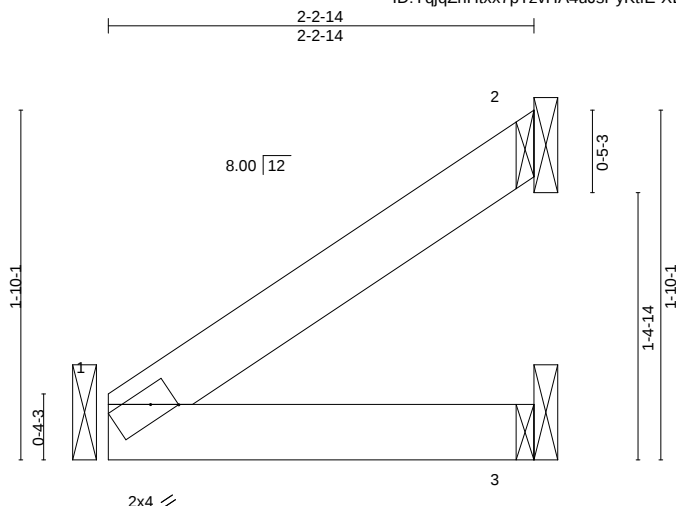
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job BAKER	Truss J6	Truss Type Jack-Open	Qty 4	Ply 1	James Baker T26075499
Mayo Truss Company, Inc., Mayo, FL - 32066,					Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:44 2021 Page 1
ID:YqjqZhHtx7pTzvHA4uJsPyKtIE-XESQljdklotoSKObE_YDn5sloJ9cvbs2lvJalFyGKoD



Scale: 1"=1'

Plate Offsets (X,Y)-- [1:0-1-8,Edge]		2-2-14 2-2-14					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.06	Vert(LL)	-0.00 4	>999	240
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				
				PLATES	GRIP		
				MT20	244/190		
				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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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 24,2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



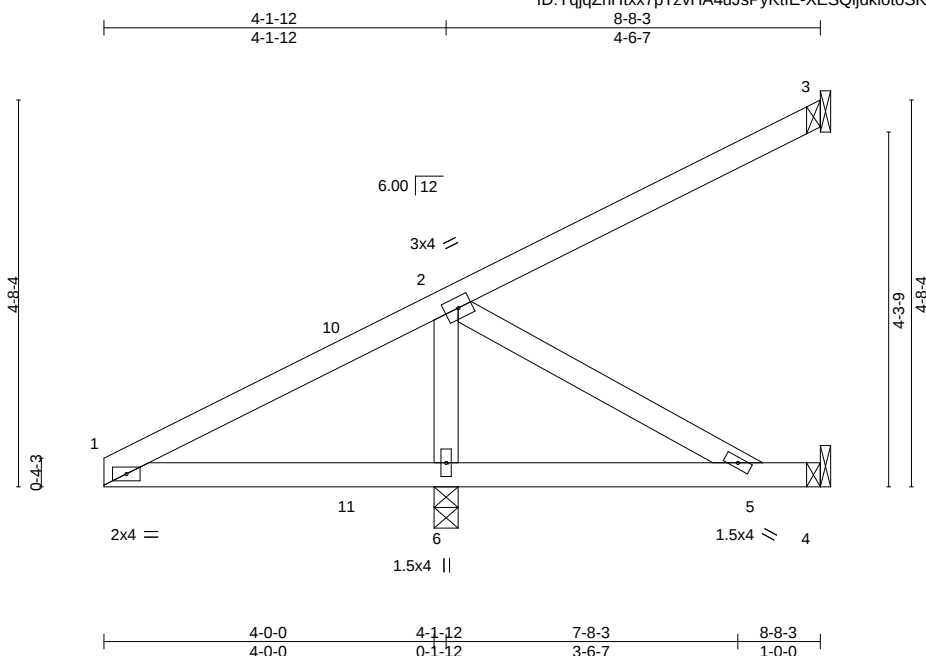
6904 Parke East Blvd.
Tampa, FL 36610

Job BAKER	Truss J7	Truss Type Jack-Partial	Qty 4	Ply 1	James Baker Job Reference (optional)	T26075500
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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
ID:YqjqZhHbx7pTzvHA4uJsPyKtFE-XESQljdklotoSKObE_YDn5sEqJ7oval2lvJalFyGKoD



Scale = 1:27.9

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.31	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.

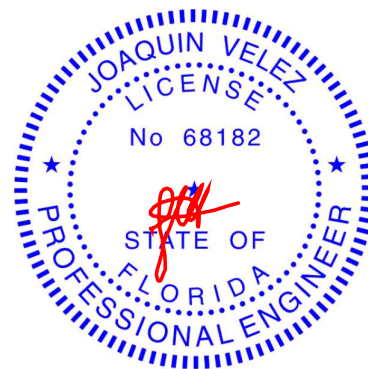
(size) 3=Mechanical, 4=Mechanical, 6=0-3-8
Max Horz 6=103(LC 12)
Max Uplift 3=-32(LC 12), 4=-92(LC 18), 6=-92(LC 12)
Max Grav 3=102(LC 1), 6=664(LC 1)

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

November 24, 2021

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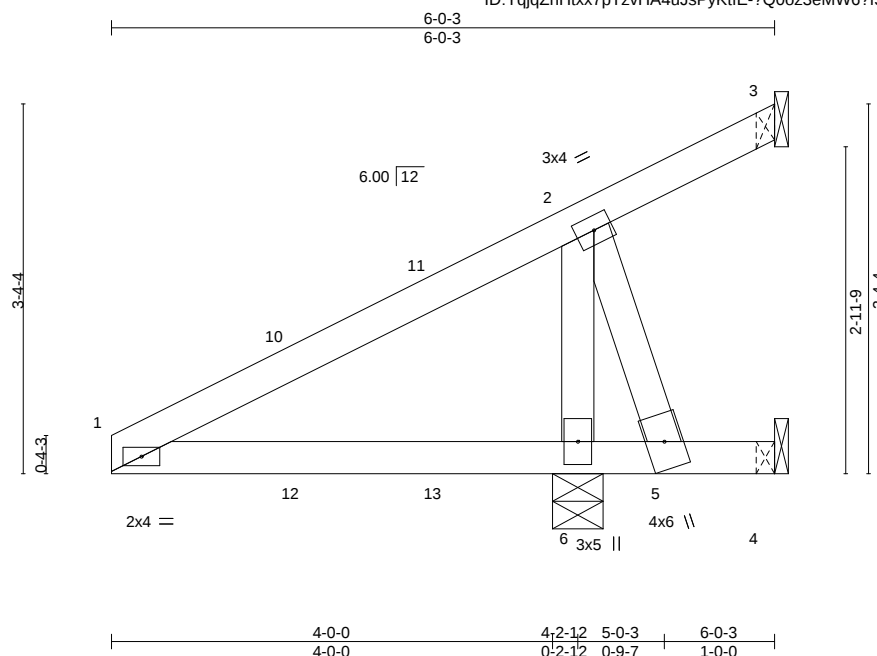
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 33610

Job BAKER	Truss J8	Truss Type Jack-Open	Qty 4	Ply 1	James Baker T26075501
Mayo Truss Company, Inc., Mayo, FL - 32066,					Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:45 2021 Page 1
ID:YqjqZhHbx7pTzvHA4uJsPyKtFE-?Q0oz3eMW6?f3Uznoh3SJJP0PjNue0oB_Z38qiyGKoC



Scale = 1:20.9

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.32	Vert(LL)	0.01	5	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.57	Vert(CT)	0.02	5	>999	180	244/190
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.



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

November 24, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



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Tampa, FL 33610

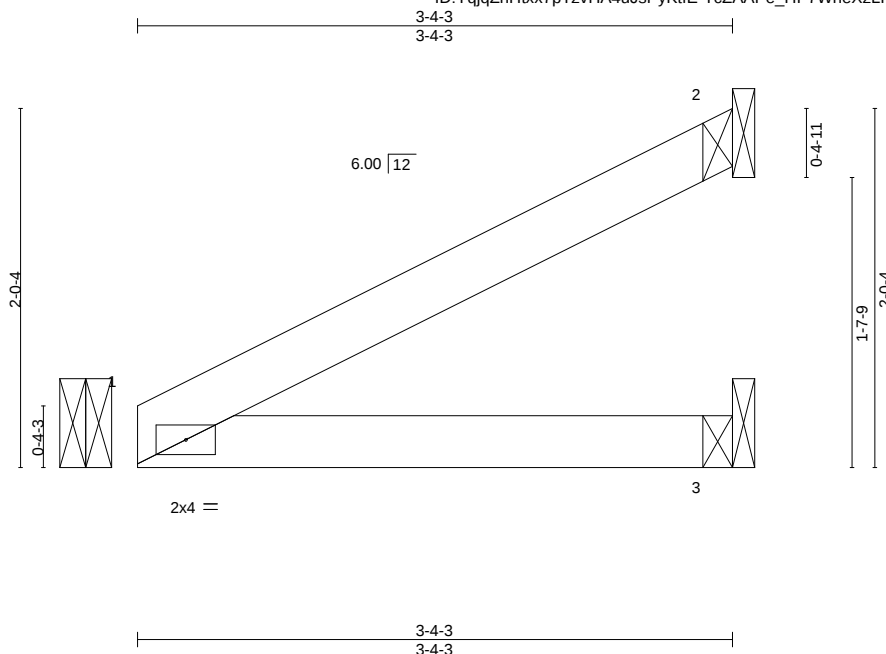
Job BAKER	Truss J9	Truss Type Jack-Open	Qty 4	Ply 1	James Baker T26075502
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Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 23 09:59:46 2021 Page 1

ID:YqjqZhHbx7pTzvHA4uJsPyKtIE-TcZAAPE_HP7WheXzLPahsWyc86pvNVMLCDohN8yGKoB



Scale = 1:13.0

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)	0.02 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/TP12014		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.

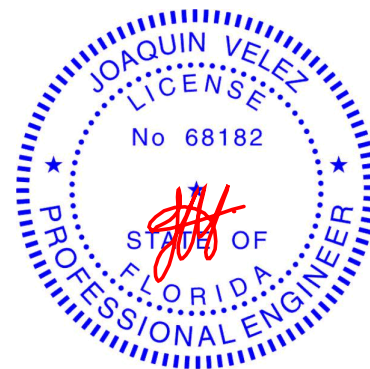
REACTIONS.

(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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

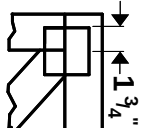
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



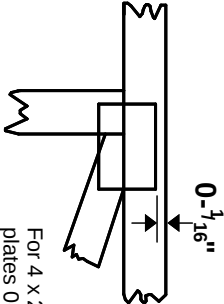
6904 Parke East Blvd.
Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- $\frac{3}{16}$ " from outside edge of truss.

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

*** Plate location details available in MiTek 2012 software or upon request.**

PLATE SIZE

4 X 4

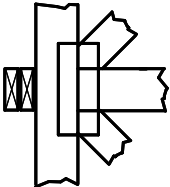
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



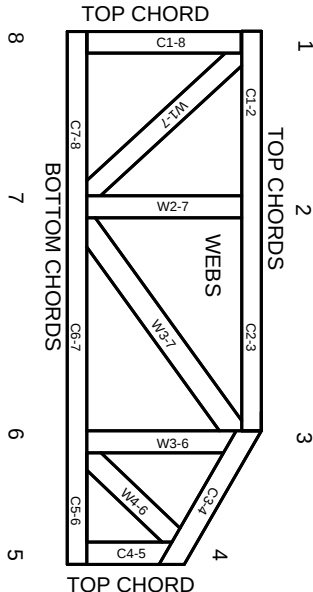
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1.1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



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/TP1 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. 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/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 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/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.