



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

RE: Pscheco - Pscheco

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

Site Information:

Customer Info: KG Construction Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Lake City State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: N/A Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 43 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T23186541	A1	3/15/21	23	T23186563	C8	3/15/21
2	T23186542	A2	3/15/21	24	T23186564	C9	3/15/21
3	T23186543	A3	3/15/21	25	T23186565	C10GIR	3/15/21
4	T23186544	A4	3/15/21	26	T23186566	CJ01	3/15/21
5	T23186545	A5	3/15/21	27	T23186567	CJ02	3/15/21
6	T23186546	A6	3/15/21	28	T23186568	CJ03	3/15/21
7	T23186547	A7GIR	3/15/21	29	T23186569	CJ04	3/15/21
8	T23186548	B1GE	3/15/21	30	T23186570	D1GIR	3/15/21
9	T23186549	B2	3/15/21	31	T23186571	D2	3/15/21
10	T23186550	B3	3/15/21	32	T23186572	D3	3/15/21
11	T23186551	B4	3/15/21	33	T23186573	GIR1	3/15/21
12	T23186552	B5	3/15/21	34	T23186574	GIR2	3/15/21
13	T23186553	B6	3/15/21	35	T23186575	J1	3/15/21
14	T23186554	B7GIR	3/15/21	36	T23186576	J1A	3/15/21
15	T23186555	B8	3/15/21	37	T23186577	J1B	3/15/21
16	T23186556	C1	3/15/21	38	T23186578	J2	3/15/21
17	T23186557	C2	3/15/21	39	T23186579	J2L	3/15/21
18	T23186558	C3	3/15/21	40	T23186580	J3	3/15/21
19	T23186559	C4	3/15/21	41	T23186581	J4	3/15/21
20	T23186560	C5	3/15/21	42	T23186582	PB01	3/15/21
21	T23186561	C6	3/15/21	43	T23186583	PB02	3/15/21
22	T23186562	C7	3/15/21				

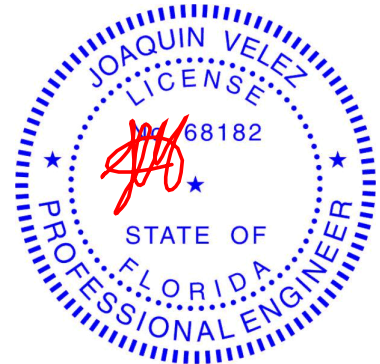


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

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.



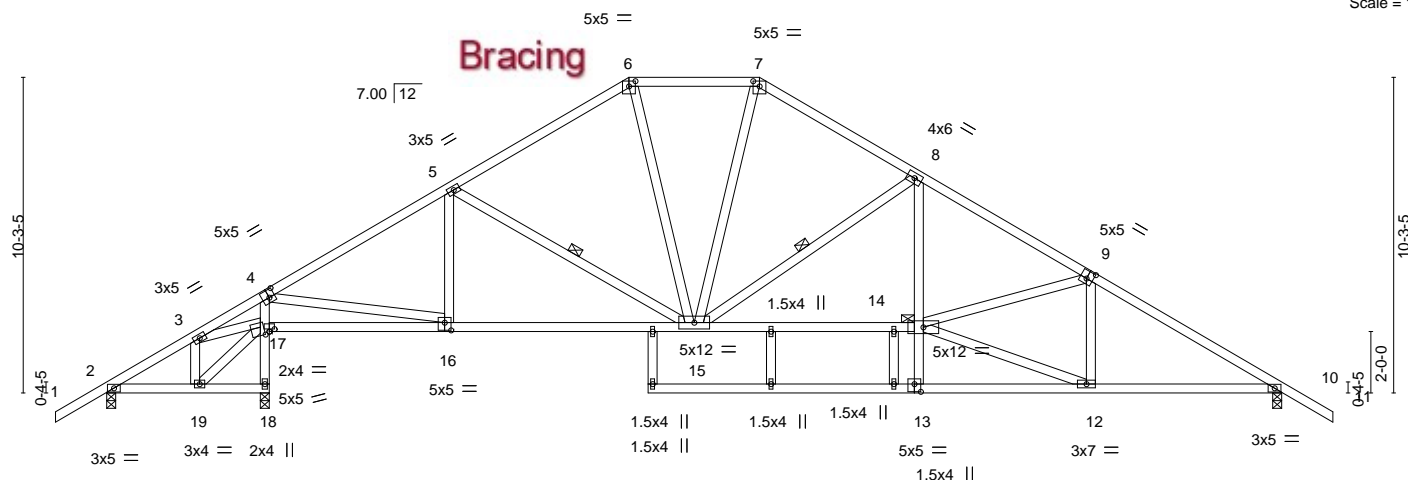
Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

March 15, 2021

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:14 2021 Page 1
ID:TYKhhZCCJ QZwiiSh49shkjlzh4P-sMW8oTEokQZx8nOrl cto2k6cmZM9EmYfc3tQ1zbi9N

-1-8-0	2-10-9	5-3-8	11-1-12	17-0-0	21-3-0	26-3-8	32-0-7	38-3-0	39-11-0
1-8-0	2-10-9	2-4-15	5-10-4	5-10-4	4-3-0	5-8-15	5-8-15	2-2-9	1-8-0

Scale = 1:75.0



	2-10-9	5-1-12 5-3-8	11-1-12	17-0-0	19-1-8	21-3-0	26-3-8	32-0-7	38-3-0
	2-10-9	2-3-0-1-12	5-10-4	5-10-4	2-1-8	2-1-8	5-0-8	5-8-15	6-2-9
Plate Offsets (X,Y)--	[4:0-2-4,0-3-0],	[6:0-2-8,0-2-1],	[7:0-2-8,0-2-1],	[9:0-2-8,0-3-0],	[13:0-2-8,0-3-0],	[16:0-2-8,0-3-0],	[17:0-2-0,0-1-5],	[17:0-1-12,0-0-12]	

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.33	Vert(LL) -0.12 14-15 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.84	Vert(CT) -0.29 14-15 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.44	Horz(CT) 0.10 10 n/a n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS		Weight: 258 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied.	
BOT CHORD	Rigid ceiling directly applied. Except: 10-0-0 oc bracing: 13-14	
WEBS	1 Row at midpt	5-15, 8-15
JOINTS	1 Brace at Jt(s): 14	

REACTIONS.

(size) 2=0-3-8, 18=0-3-8, 10=0-3-8
 Max Horz 2=200(LC 10)
 Max Uplift 2=79(LC 12), 10=-47(LC 12)
 Max Grav 2=270(LC 21), 18=1589(LC 1), 10=1416(LC 1)

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

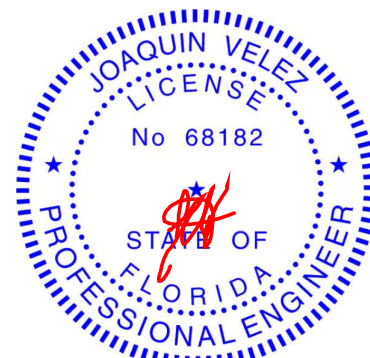
TOP CHORD 3-4=0/410, 4-5=-1725/32, 5-6=-1499/74, 6-7=-1320/80, 7-8=-1479/75, 8-9=-2480/22,
9-10=-2216/22

BOT CHORD 17-18=-1565/0, 4-17=-1552/31, 15-16=0/1416, 14-15=0/2080, 8-14=0/766, 10-12=0/1845

WEBS 3-17=-311/36, 4-16=0/1432, 5-15=-287/61, 8-15=-1057/34, 12-14=0/1946, 9-12=-554/44,
6-15=0/442, 7-15=0/453

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=38ft; eave=5ft; Cat. II; Ex p B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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) 2, 10.
- 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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MiTek USA, Inc. FL Cert 6634
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Date:

March 15.2021

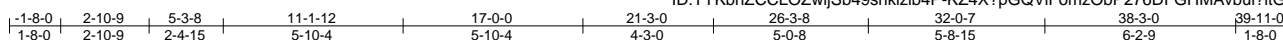
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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

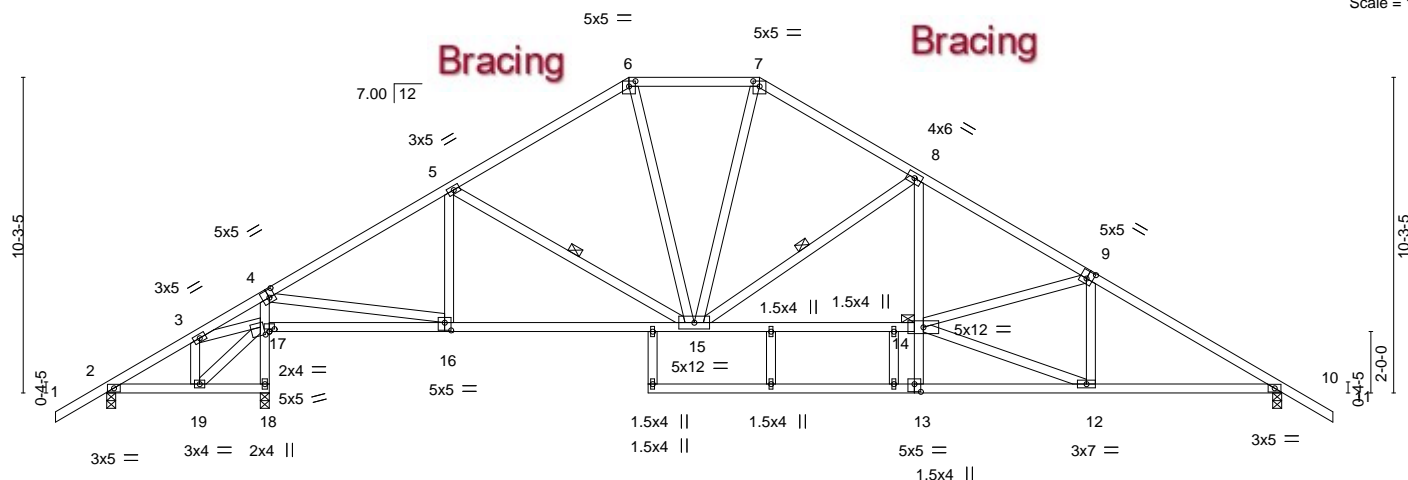


6904 Parke East Blvd
Tampa, FL 36610

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Scale = 1:75.0



$\frac{2-10-9}{2-10-9}$ | $\frac{5-1-12}{2-3-3-0-1-12}$ | $\frac{5-2-8}{5-10-4}$ | $\frac{11-1-12}{5-10-4}$ | $\frac{17-0-0}{5-10-4}$ | $\frac{19-1-8}{2-1-8}$ | $\frac{21-3-0}{2-1-8}$ | $\frac{26-3-8}{5-0-8}$ | $\frac{32-0-7}{5-8-15}$ | $\frac{38-3-0}{6-2-9}$
 [4-0-2-4-0-3-0] | [6-0-2-8-0-2-1] | [7-0-2-8-0-2-1] | [9-0-2-8-0-3-0] | [13-0-2-8-0-3-0] | [16-0-2-8-0-3-0] | [17-0-2-0-0-1-0] | [17-0-1-12-0-0-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.33	Vert(LL) -0.12 14-15 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.84	Vert(CT) -0.29 14-15 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.44	Horz(CT) 0.10 10 n/a n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS		Weight: 258 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied.	
BOT CHORD	Rigid ceiling directly applied. Except: 10-0-0 oc bracing: 13-14	
WEBS	1 Row at midpt	5-15, 8-15
JOINTS	1 Brace at Jt(s): 14	

REACTIONS.

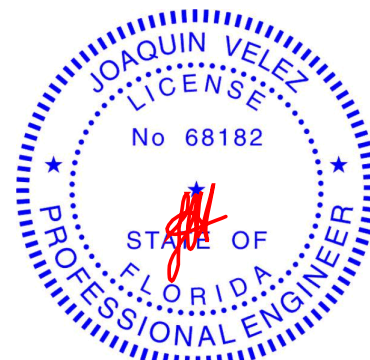
(size) 2=0-3-8, 18=0-3-8, 10=0-3-8
 Max Horz 2=-200(LC 10)
 Max Uplift 2=-79(LC 12), 10=-47(LC 12)
 Max Grav 2=270(LC 21), 18=1589(LC 1), 10=1416(LC 1)

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

TOP CHORD	3-4=0/410, 4-5=-1725/32, 5-6=-1499/74, 6-7=-1320/80, 7-8=-1479/75, 8-9=-2480/22, 9-10=-2216/22
BOT CHORD	17-18=-1565/0, 4-17=-1552/31, 15-16=0/1416, 14-15=0/2080, 8-14=0/766, 10-12=0/1845
WEBS	3-17=-311/36, 4-16=0/1432, 5-15=-287/61, 8-15=-1057/34, 12-14=0/1946, 9-12=-554/44, 6-15=0/442, 7-15=0/453

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=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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) 2, 10.
- 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:

March 15.2021

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Job	Truss	Truss Type	Qty	Ply	Psccheco	T23186544
PSCHECO	A4	Hip	1	1	Job Reference (optional)	

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

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ID:TYKbhZCCLOZwijSb49shklzlb4P-CKK1rAjxZwmDFbiMeuC2N5RwonJTqT0Houne5Fzbi9I

-1-8-0	5-1-12	13-0-0	19-1-8	25-3-0	31-6-3	38-3-0	39-11-0
1-8-0	5-1-12	7-10-4	6-1-8	6-1-8	6-3-3	6-8-13	1-8-0

Bracing

Scale = 1:68.8

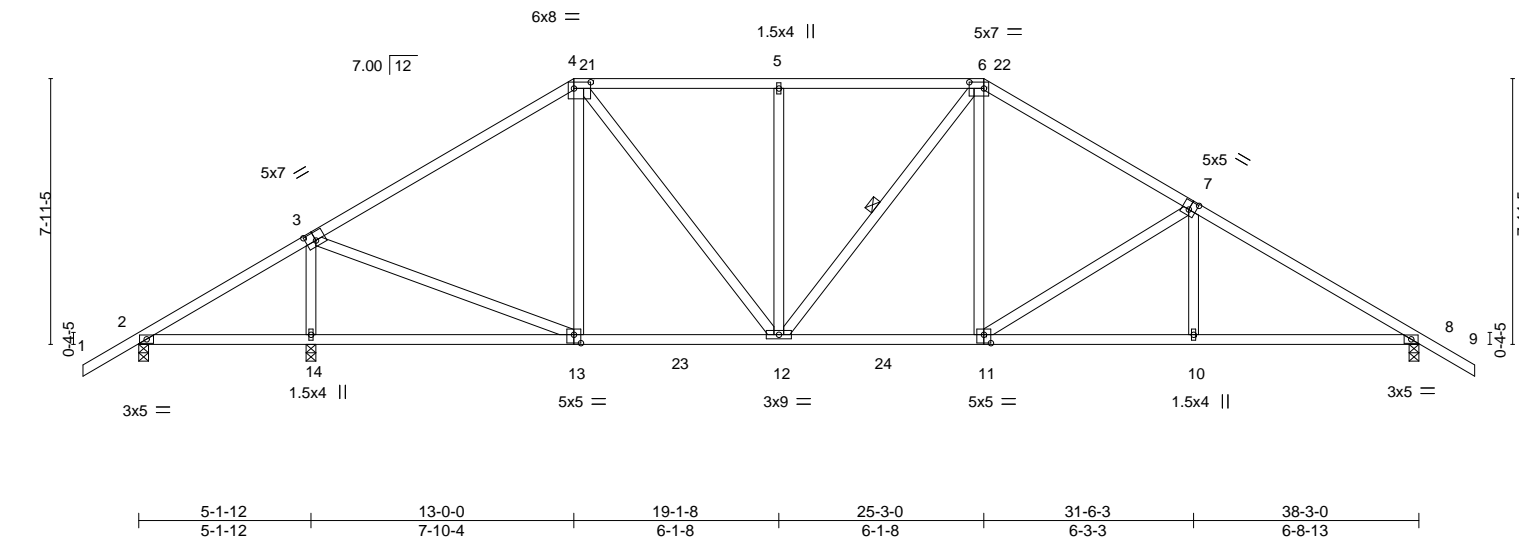


Plate Offsets (X,Y)-- [3:0-3-8,0-3-0], [4:0-6-0,0-2-4], [6:0-5-4,0-2-4], [7:0-2-8,0-3-0], [11:0-2-8,0-3-0], [13:0-2-8,0-3-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.12 11-12 >999 240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.21 11-12 >999 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.06 8 n/a n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS				Weight: 219 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS.

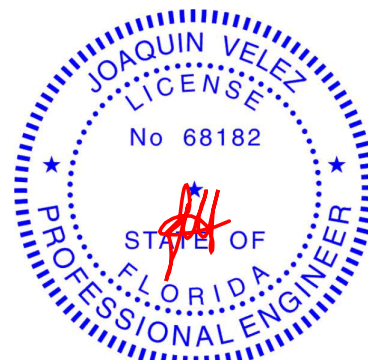
(size) 2=0-3-8, 14=0-3-8, 8=0-3-8
Max Horz 2=157(LC 10)
Max Uplift 2=72(LC 22), 8=44(LC 12)
Max Grav 2=125(LC 21), 14=2068(LC 17), 8=1563(LC 18)

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

TOP CHORD 2-3=0/526, 3-4=-1351/73, 4-5=-1518/92, 5-6=-1518/92, 6-7=-1849/75, 7-8=-2425/22
BOT CHORD 2-14=-385/45, 13-14=-346/43, 12-13=0/1123, 11-12=0/1489, 10-11=0/2015, 8-10=0/2019
WEBS 3-14=-1809/66, 3-13=0/1459, 4-13=-331/55, 4-12=0/730, 5-12=-401/68, 6-11=0/603, 7-11=-646/55, 7-10=0/269

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=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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) 2, 8.
- 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:

March 15,2021

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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	Truss	Truss Type	Qty	Ply	Pscheco	T23186545
PSCHECO	A5	Hip	1	1	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:20 2021 Page 1

ID:TYKbhZCCLOZwijSb49shklzlb4P-gWtQ3WKZKEu4slGYCbjHwJ_7NBiXZy2R1YWBehzbi9H

1-8-0	5-1-12	11-0-0	16-5-9	21-9-7	27-3-0	32-6-3	38-3-0	39-11-0
1-8-0	5-1-12	5-10-4	5-5-9	5-3-13	5-5-9	5-3-3	5-8-13	1-8-0

Scale = 1:67.7

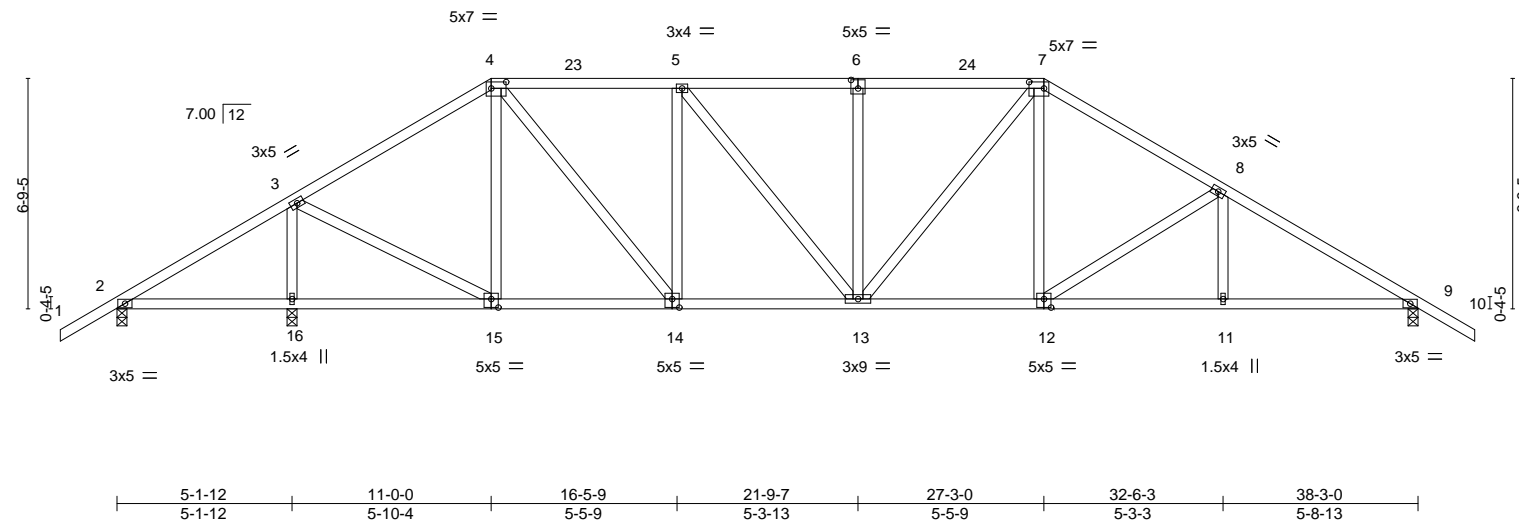


Plate Offsets (X,Y)-- [4:0-5-4,0-2-4], [6:0-2-8,0-3-0], [7:0-5-4,0-2-4], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0], [15:0-2-8,0-3-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.09 13 >999	240	MT20 244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.18 12-13 >999	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.05 9 n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 225 lb FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS.

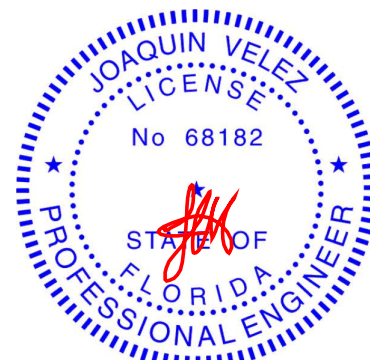
(size) 2=0-3-8, 16=0-3-8, 9=0-3-8
Max Horz 2=-136(LC 10)
Max Uplift 2=-167(LC 22), 9=-44(LC 12)
Max Grav 2=42(LC 21), 16=1889(LC 1), 9=1376(LC 1)

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

TOP CHORD 2-3=0/621, 3-4=-1015/72, 4-5=-1361/82, 5-6=-1584/79, 6-7=-1584/79, 7-8=-1741/63, 8-9=-2157/17
BOT CHORD 2-16=-473/40, 15-16=-473/40, 14-15=0/792, 13-14=0/1375, 12-13=0/1428, 11-12=0/1800, 9-11=0/1800
WEBS 3-16=-1751/41, 3-15=0/1412, 4-15=-547/34, 4-14=0/932, 5-14=-613/58, 5-13=0/350, 6-13=-341/65, 7-13=-4/354, 7-12=0/396, 8-12=-448/42

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=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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) 9 except (jt=lb) 2=167.
- 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:

March 15,2021

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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	Truss	Truss Type	Qty	Ply	Pscheco	T23186546
PSCHECO	A6	Hip	1	1	Job Reference (optional)	

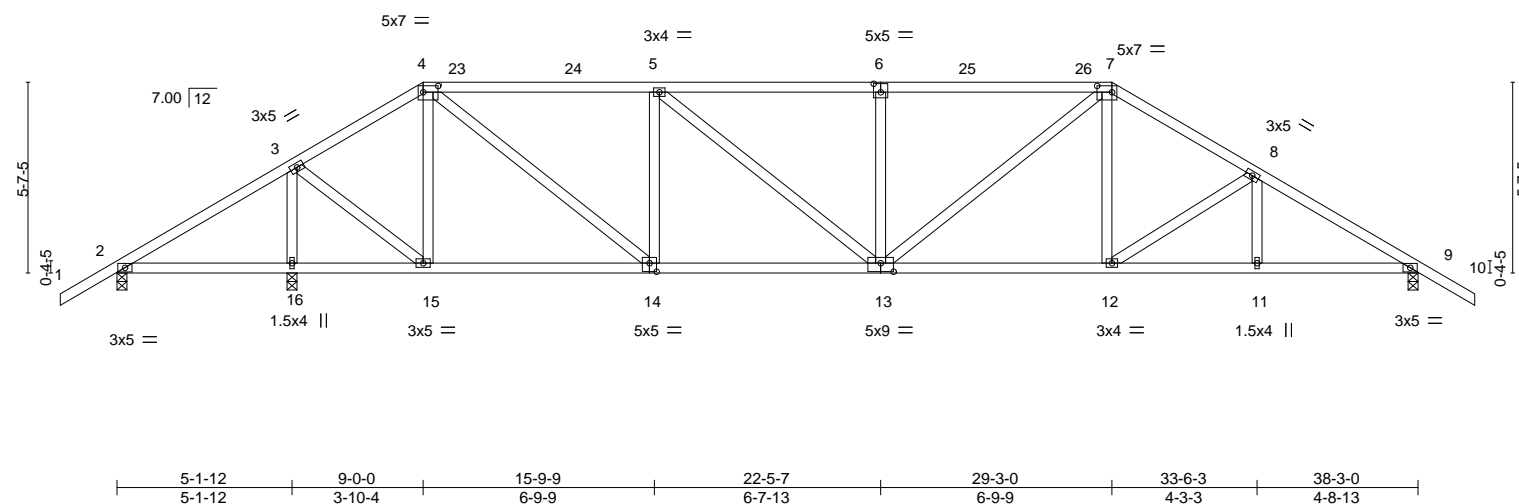
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:21 2021 Page 1

ID:TYKbhZCCLOZwijSb49shklzlb4P-8iRoGsLB5Y0xUurkmJEWSWWIHb10lQoaGCGkA7zbi9G

1-8-0	5-1-12	9-0-0	15-9-9	22-5-7	29-3-0	33-6-3	38-3-0	39-11-0
1-8-0	5-1-12	3-10-4	6-9-9	6-7-13	6-9-9	4-3-3	4-8-13	1-8-0

Scale = 1:67.7



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.43	Vert(LL)	-0.10 13	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.52	Vert(CT)	-0.23 12-13	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.42	Horz(CT)	0.05 9	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 212 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS.

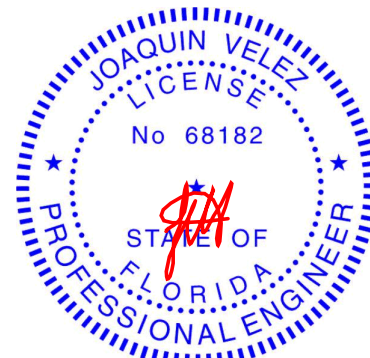
(size) 2=0-3-8, 16=0-3-8, 9=0-3-8
Max Horz 2=114(LC 11)
Max Uplift 2=330(LC 22), 9=45(LC 12)
Max Grav 16=2066(LC 1), 9=1352(LC 1)

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

TOP CHORD 2-3=0/941, 3-4=629/70, 4-5=1517/72, 5-6=1884/66, 6-7=1884/66, 7-8=1824/48, 8-9=2135/10
BOT CHORD 2-16=758/37, 15-16=758/37, 14-15=0/468, 13-14=0/1537, 12-13=0/1530, 11-12=0/1789, 9-11=0/1789
WEBS 3-16=1941/17, 3-15=0/1547, 4-15=847/27, 4-14=0/1361, 5-14=712/78, 5-13=0/456, 6-13=423/83, 7-13=9/542, 7-12=0/363, 8-12=326/30

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=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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) 9 except (jt=lb) 2=330.
- 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
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March 15, 2021

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

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186547
PSCHECO	A7GIR	Hip Girder	1	2	Job Reference (optional)	

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

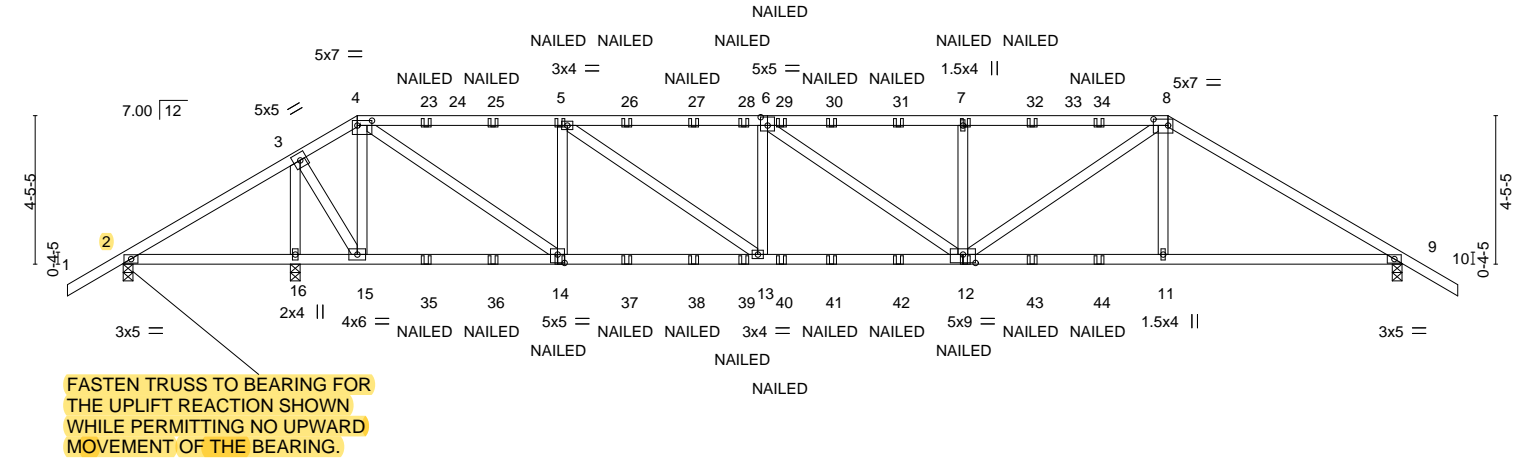
8.430 s Mar 4 2021
MiTek Industries, Inc.
Fri Mar 12 09:54:26 2021
Page 1

-1-8-0
1-8-0
5-1-12
5-1-12
7-0-0
1-10-4
13-1-10
6-1-10
19-1-8
5-11-14
25-1-6
5-11-14
31-3-0
6-1-10
38-3-0
7-0-0
39-11-0
1-8-0

ID:TYKbhZCCLOZwijSb49shklzlb4P-VgFhJZPKv4eEagkiYsqh9aE4Dch5zf0JPuZVrLzbi9B

THIS TRUSS IS NOT SYMMETRIC.
PROPER ORIENTATION IS ESSENTIAL.

Scale = 1:68.9



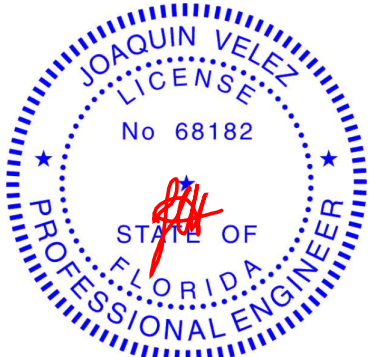
	5-1-12	7-0-0	13-1-10	19-1-8	25-1-6	31-3-0	38-3-0		
	5-1-12	1-10-4	6-1-10	5-11-14	5-11-14	6-1-10	7-0-0		
Plate Offsets (X,Y)--	[4:0-5-4,0-1-12], [6:0-2-8,0-3-0], [8:0-5-4,0-2-4], [12:0-4-8,0-3-0], [14:0-2-8,0-3-0]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.73	Vert(LL)	-0.16 12-13	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.71	Vert(CT)	-0.34 12-13	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.49	Horz(CT)	0.06 9	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 404 lb	FT = 0%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-5-2 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 2=0-3-8, 16=0-3-8, 9=0-3-8
Max Horz 2=-93(LC 23)
Max Uplift 2=-1530(LC 18), 16=-72(LC 8), 9=-54(LC 8)
Max Grav 2=16(LC 6), 16=5020(LC 1), 9=2532(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-22/3229, 3-4=0/631, 4-5=-2890/146, 5-6=-4858/169, 6-7=-5088/142, 7-8=-5088/142, 8-9=-4356/38
BOT CHORD 2-16=-2736/85, 15-16=-2736/85, 14-15=-642/70, 13-14=-20/2965, 12-13=-41/4891, 11-12=0/3691, 9-11=0/3671
WEBS 3-16=-4850/93, 3-15=-35/4020, 4-15=-3205/144, 4-14=-100/4297, 5-14=-2133/219, 5-13=-18/2303, 6-13=-953/190, 7-12=-794/198, 8-12=-110/1756, 8-11=0/684

- NOTES-**
- 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.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=6.0psf; BC DL=6.0psf; h=15ft; B=45ft; L=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) 16, 9 except (jt=lb) 2=1530.
 - This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearing 2. Building designer must provide for uplift reactions indicated.
 - "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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March 15,2021

Continued on page 2

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

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Pscheco
PSCHECO	A7GIR	Hip Girder	1	2	T23186547
					Job Reference (optional)

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

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NOTES-
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 156 lb down and 108 lb up at 7-0-0, and 231 lb down and 149 lb up at 31-3-0 on top chord, and 84 lb down at 7-0-0, and 344 lb down at 31-2-4 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, 4-8=-60, 8-10=-60, 17-20=-20
Concentrated Loads (lb)
Vert: 4=-124(B) 8=-184(B) 14=-61(B) 15=-61(B) 5=-124(B) 12=-61(B) 7=-124(B) 11=-344(B) 23=-124(B) 25=-124(B) 26=-124(B) 27=-124(B) 28=-124(B) 29=-124(B) 30=-124(B) 31=-124(B) 32=-124(B) 34=-124(B) 35=-61(B) 36=-61(B) 37=-61(B) 38=-61(B) 39=-61(B) 40=-61(B) 41=-61(B) 42=-61(B) 43=-61(B) 44=-61(B)

Job	Truss	Truss Type	Qty	Ply	Psccheco	T23186548
PSCHECO	B1GE	Common Supported Gable	1	1		

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:28 2021 Page 1

ID:TYKbhZCCLOZwijSb49shkizb4P-R3MRkFQaRhuyqu4gHs9F?JYOQYDRgGctoScwDzbi99

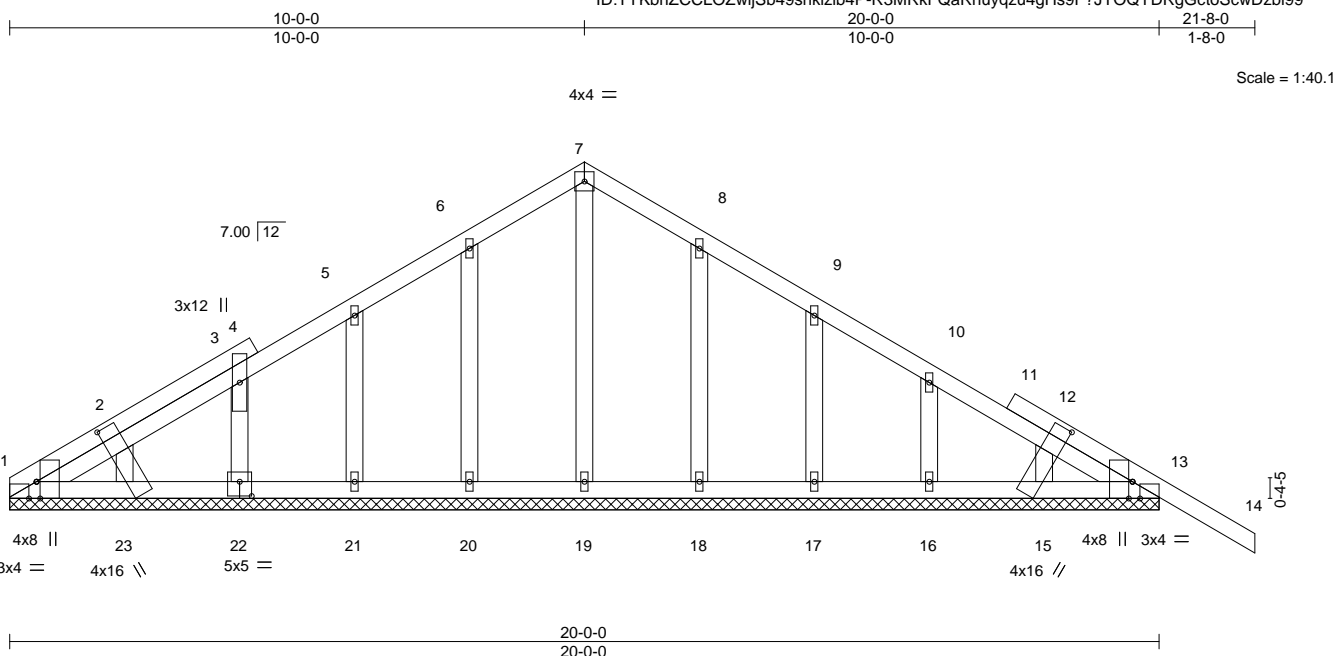


Plate Offsets (X,Y)--	[1:0-3-8,Edge], [1:0-1-9,Edge], [13:0-3-8,Edge], [13:0-1-9,Edge], [15:0-2-8,1-4-2], [22:0-2-8,0-3-0], [23:0-2-8,1-4-2]					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.18	Vert(LL)	-0.01 14	n/r 120
TCDL 10.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	-0.02 14	n/r 120
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00 13	n/a n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S			
						PLATES MT20 GRIP 244/190
						Weight: 114 lb FT = 0%

LUMBER-

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

BRACING-

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

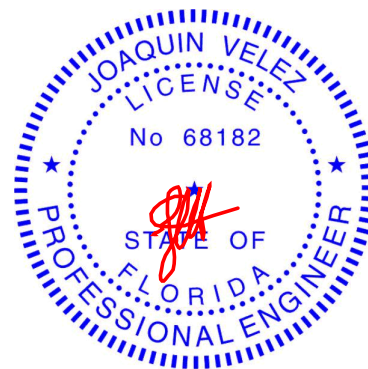
REACTIONS.

All bearings 20-0-0.
(lb) - Max Horz 1=108(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 13, 20, 21, 22, 23, 18, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 19, 20, 21, 22, 23, 18, 17, 16, 15

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

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=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 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) 13, 20, 21, 22, 23, 18, 17, 16.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



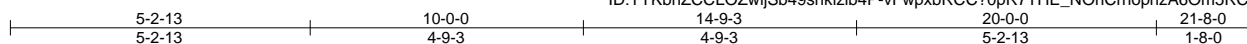
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186549
PSCHECO	B2	Common	4	1		

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:29 2021 Page 1

ID:TYKbhZCCLOZwijSb49shkzlb4P-vFwpbxRCC?0pR7THE_NOncRhpnzA6Om5RC9Sgzbi98



4x6 ||

Scale = 1:40.2

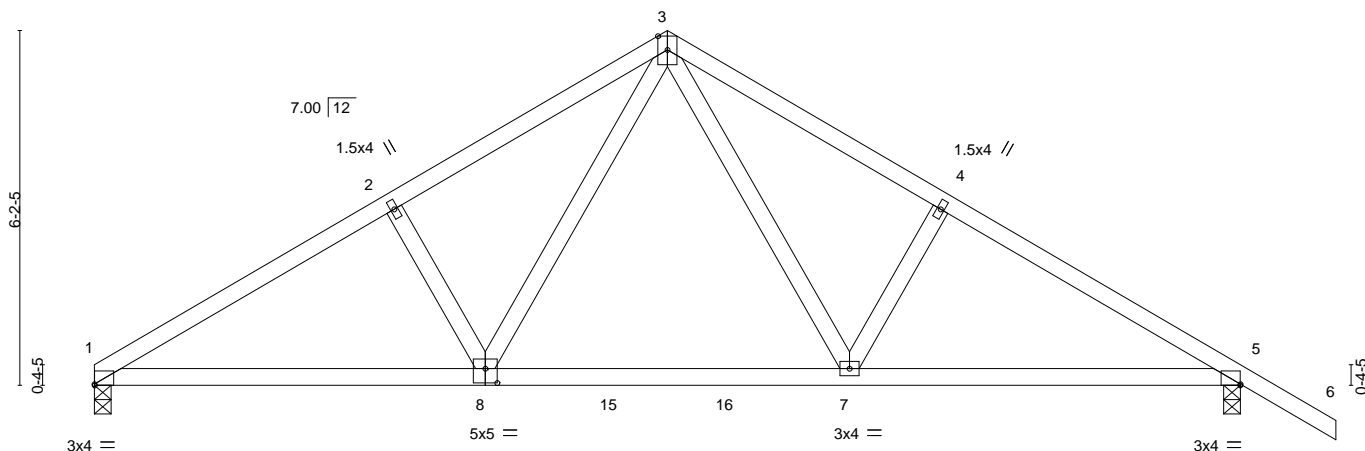


Plate Offsets (X,Y)--	[1:Edge,0-0-4], [5:Edge,0-0-4], [8:0-2-8,0-3-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.27	Vert(LL)	-0.07	7-8	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.51	Vert(CT)	-0.13	8-11	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.12	Horz(CT)	0.03	5	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						
								Weight: 96 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS.

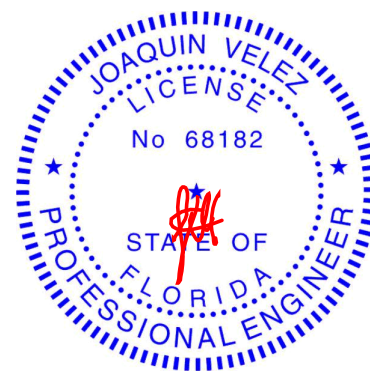
(size) 1=0-3-8, 5=0-3-8
Max Horz 1=-114(LC 10)
Max Uplift 5=-43(LC 12)
Max Grav 1=886(LC 17), 5=981(LC 18)

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

TOP CHORD 1-2=-1345/47, 2-3=-1248/79, 3-4=-1233/76, 4-5=-1331/44
BOT CHORD 1-8=0/1214, 7-8=0/791, 5-7=0/1116
WEBS 3-7=0/572, 4-7=-285/89, 3-8=-6/593, 2-8=-297/92

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=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 15,2021

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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	Truss	Truss Type	Qty	Ply	Pscheco	T23186550
PSCHECO	B3	Roof Special	1	1	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:30 2021 Page 1
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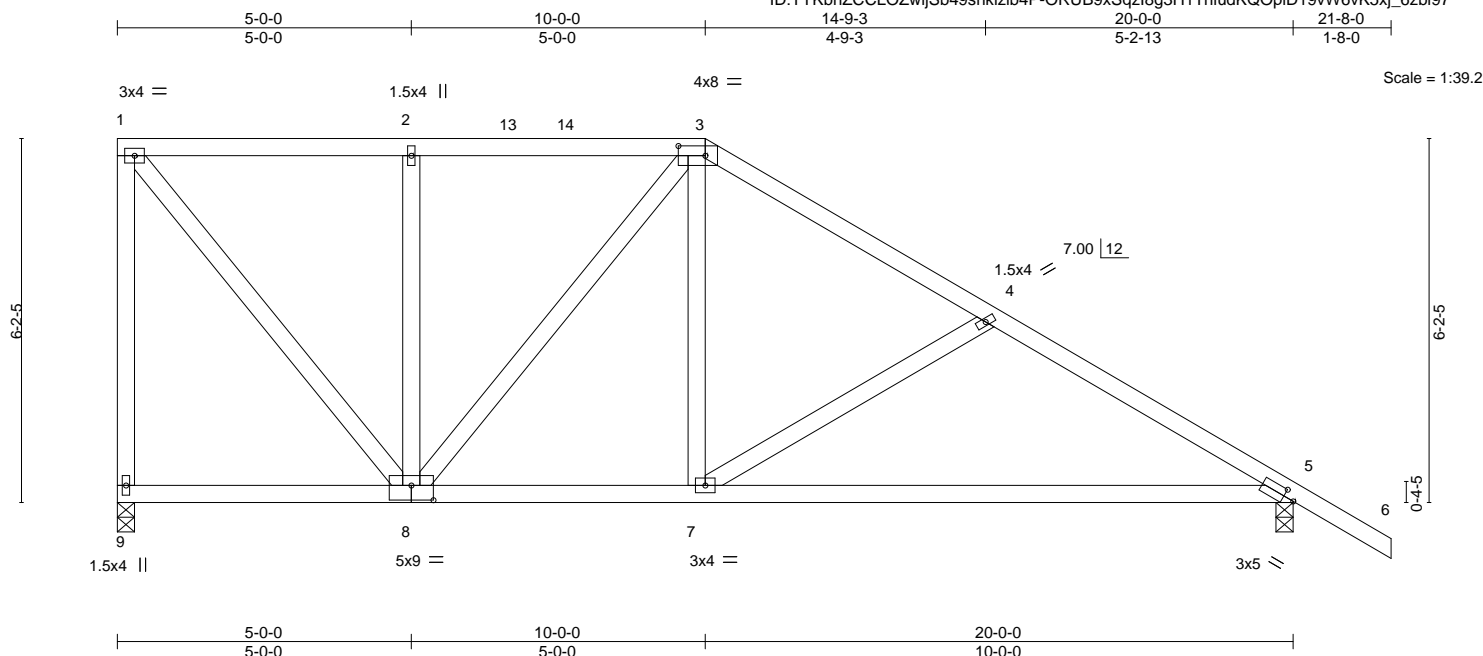


Plate Offsets (X,Y)-- [3:0-5-8,0-2-0], [5:0-2-3,0-1-8], [8:0-4-8,0-3-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.21 7-12 >999 240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.43 7-12 >549 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02 5 n/a n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS				Weight: 120 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS.

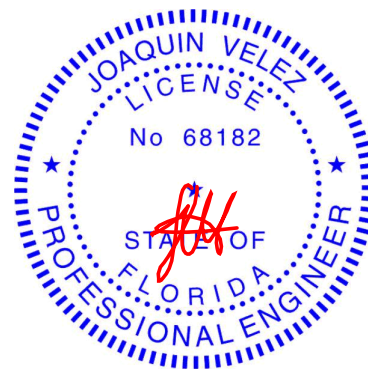
(size) 9=0-3-8, 5=0-3-8
Max Horz 9=190(LC 10)
Max Uplift 9=21(LC 8), 5=39(LC 12)
Max Grav 9=790(LC 1), 5=898(LC 1)

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

TOP CHORD 1-9=-738/65, 1-2=-517/84, 2-3=-517/84, 3-4=-884/55, 4-5=-1178/62
BOT CHORD 7-8=0/699, 5-7=0/990
WEBS 1-8=-58/794, 2-8=-331/82, 3-8=-290/30, 3-7=0/442, 4-7=-349/87

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) and C-C Interior(1) 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) 9, 5.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 15,2021

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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	Truss	Truss Type	Qty	Ply	Psccheco	T23186551
PSCHECO	B4	Roof Special	1	1	Job Reference (optional)	

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

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ID:TYKbhZCCLOZwijSb49shklzlb4P-se2aMHSSkcGWhRcfLPQssdxwXdRUewT2ZlhGWYzbi96

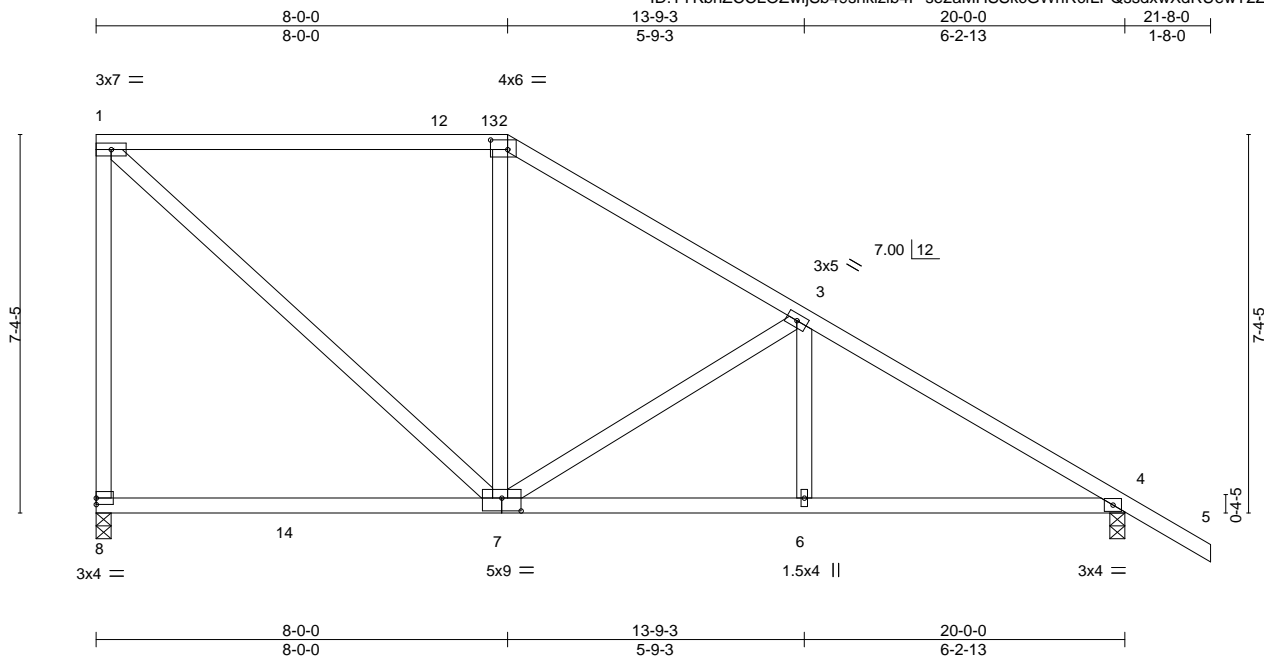


Plate Offsets (X,Y)-- [2:0-4-0,0-2-4], [7:0-4-8,0-3-0]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.76	Vert(LL)	-0.15 7-8	>999	240
TCDL 10.0	Lumber DOL	1.25	BC 0.57	Vert(CT)	-0.25 7-8	>948	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.47	Horz(CT)	0.02 4	n/a	n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS				
				PLATES	GRIP		
				MT20	244/190		
				Weight: 115 lb	FT = 0%		

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS.

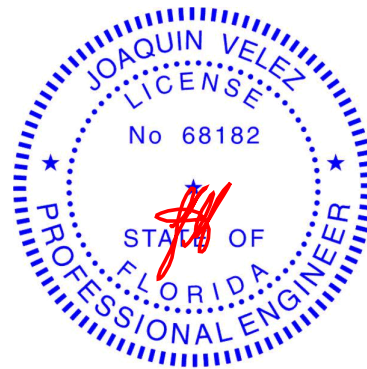
(size) 8=0-3-8, 4=0-3-8
Max Horz 8=225(LC 10)
Max Uplift 8=27(LC 8), 4=38(LC 12)
Max Grav 8=930(LC 18), 4=984(LC 18)

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

TOP CHORD 1-8=-760/94, 1-2=-641/95, 2-3=-804/81, 3-4=-1306/37
BOT CHORD 6-7=0/1074, 4-6=0/1074
WEBS 1-7=-78/844, 3-7=-570/68

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 Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 4.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 15, 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



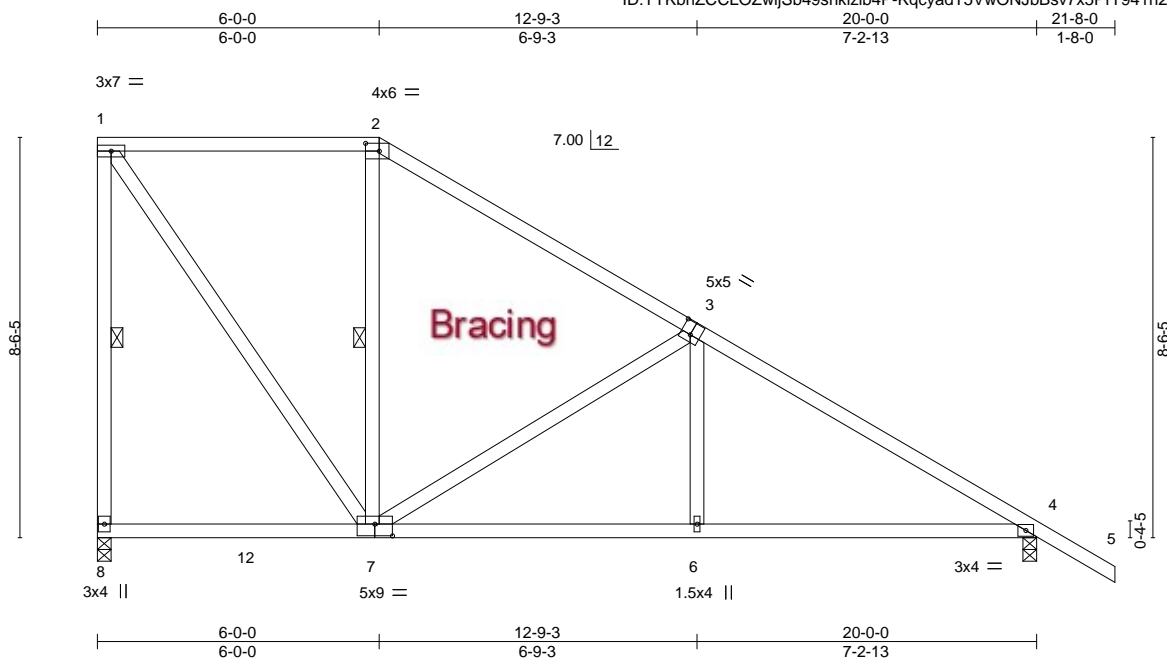
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Psccheco	T23186552
PSCHECO	B5	Roof Special	1	1		
Job Reference (optional)						

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:32 2021 Page 1
ID:TYKbhZCCLOZwijSb49shkizlb4P-KqcyadT5VwONJbBsv7x5PrT941n2NIOcNPQq3_zbi95



Scale = 1:49.1

Plate Offsets (X,Y)--	[2:0-3-8,0-2-0], [3:0-2-8,0-3-4], [7:0-4-8,0-3-0]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.45	Vert(LL)	-0.08 6-11	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.55	Vert(CT)	-0.17 6-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.81	Horz(CT)	0.02 4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 121 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-8, 2-7

REACTIONS.

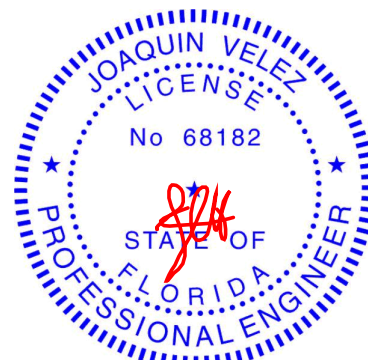
(size) 8=0-3-8, 4=0-3-8
Max Horz 8=-261(LC 10)
Max Uplift 8=-30(LC 8), 4=-36(LC 12)
Max Grav 8=937(LC 18), 4=982(LC 18)

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

TOP CHORD 1-8=-812/93, 1-2=-471/113, 2-3=-653/99, 3-4=-1254/44
BOT CHORD 7-8=-221/288, 6-7=0/1018, 4-6=0/1022
WEBS 1-7=-88/832, 3-7=-715/78, 3-6=0/300

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 Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 4.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186553
PSCHECO	B6	Roof Special	1	1	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:32 2021 Page 1
ID:TYKbhZCCLOZwijSb49shkzlb4P-KqcyadT5VwONJbBsv7x5PrT7b1IWNQeCnPQq3_zbi95

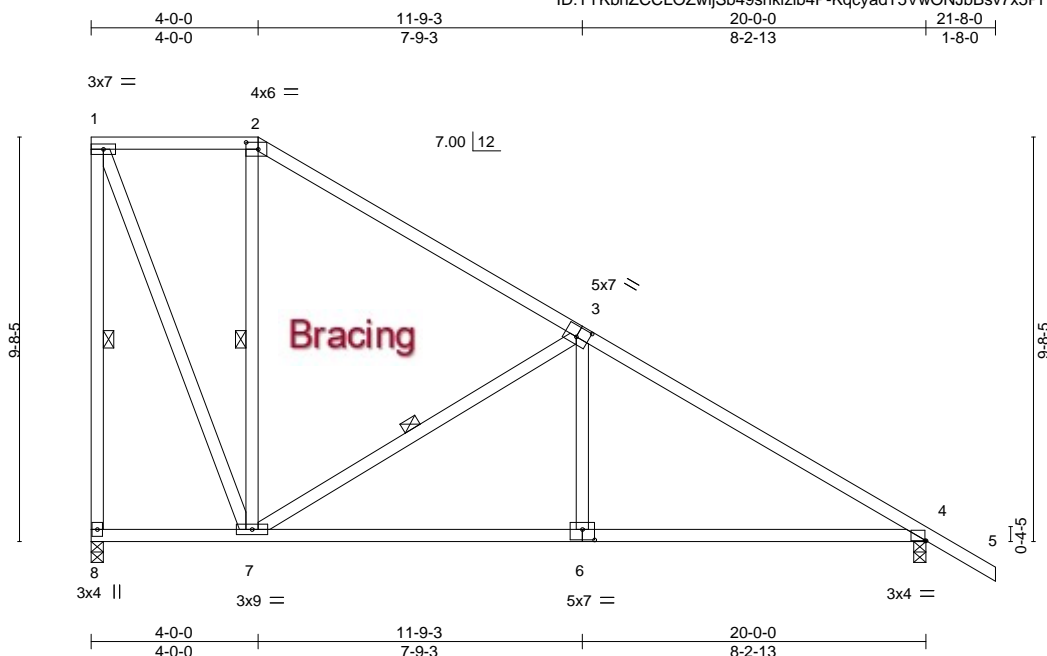


Plate Offsets (X,Y)-- [2:0-3-8,0-2-0], [3:0-3-8,0-3-0], [4:0-0-5,0-0-0], [6:0-3-8,0-3-0]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL 1.25		TC	0.61	Vert(LL)	-0.09	6-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25		BC	0.65	Vert(CT)	-0.22	6-11	>999	180		
BCLL	0.0 *	Rep Stress Incr YES		WB	0.28	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 128 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-8, 2-7, 3-7

REACTIONS.

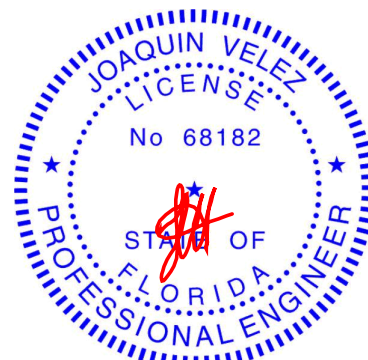
(size) 8=0-3-8, 4=0-3-8
Max Horz 8=-296(LC 10)
Max Uplift 8=-32(LC 8), 4=-34(LC 12)
Max Grav 8=790(LC 1), 4=898(LC 1)

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

TOP CHORD 1-8=-766/82, 1-2=-309/129, 2-3=-452/114, 3-4=-1126/52
BOT CHORD 7-8=-258/326, 6-7=0/885, 4-6=0/888
WEBS 1-7=-99/736, 3-7=-718/90, 3-6=0/355

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) and C-C Interior(1) 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) 8, 4.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Tampa, FL 36610

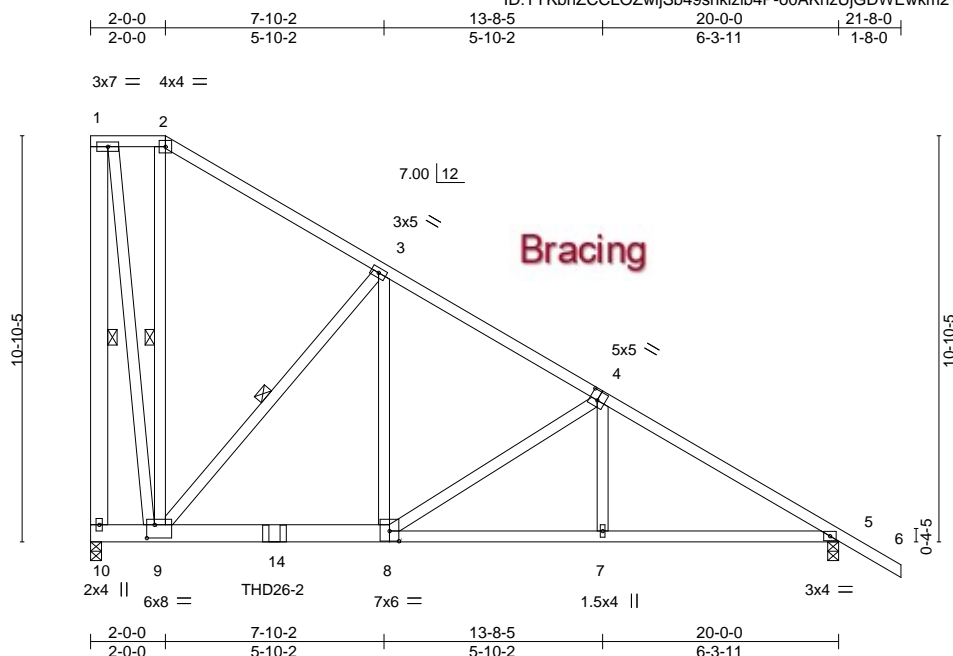
Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186554
PSCHECO	B7GIR	ROOF SPECIAL GIRDER	1	1		
Job Reference (optional)						

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:33 2021 Page 1

ID:TYKbhZCCLOZwijSb49shklzlb4P-o0AKnzUjGDWEwkm2TqSKx20L0R5u6nfL03ANbRzbi94



Scale = 1:61.6

Plate Offsets (X,Y)--	[4:0-2-8,0-3-0], [8:0-3-0,0-3-4], [9:0-2-8,0-4-4]								
LOADING (psf)	SPACING	2-0-0	CSI	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.44	Vert(LL)	-0.09 8-9	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.70	Vert(CT)	-0.17 8-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.68	Horz(CT)	0.03 5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 165 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
8-10: 2x6 SP SS
WEBS 2x4 SP No.2 *Except*
1-10: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-2-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-10, 2-9, 3-9

REACTIONS.

(size) 10=0-3-8, 5=0-3-8
Max Horz 10=-288(LC 8)
Max Uplift 10=-263(LC 8), 5=-39(LC 8)
Max Grav 10=1500(LC 26), 5=1168(LC 26)

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

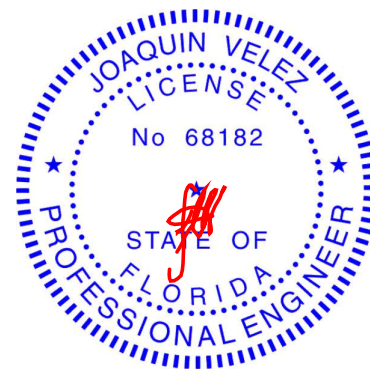
TOP CHORD 1-10=-1742/352, 1-2=-275/56, 2-3=-391/39, 3-4=-1178/68, 4-5=-1671/5
BOT CHORD 9-10=-97/291, 8-9=0/936, 7-8=0/1369, 5-7=0/1372
WEBS 1-9=-353/1729, 3-9=-1074/169, 3-8=-67/869, 4-8=-585/73

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 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 10=263.
- 7) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 4-11-0 from the left end to connect truss(es) to back face of bottom chord.
- 8) Fill all nail holes where hanger is in contact with lumber.
- 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: 1-2=-60, 2-6=-60, 10-11=-20
Concentrated Loads (lb)
Vert: 14=-701(B)



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

March 15,2021

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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 33610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186555
PSCHECO	B8	Roof Special	2	1	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:34 2021 Page 1
ID:TYKbhZCCLOZwijSb49shklzb4P-GCKi?JVL1Xf5YuLE0XzZUGZUGqTarL1VFjw7tzbi93

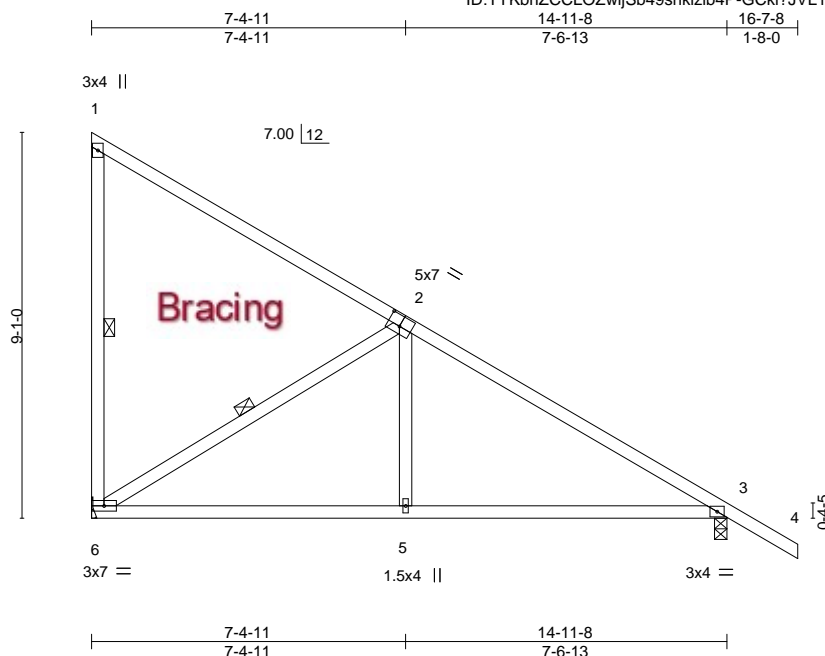


Plate Offsets (X,Y)--	[2:0-3-8,0-3-0]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.54	Vert(LL)	-0.06 5-6	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.55	Vert(CT)	-0.14 5-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.23	Horz(CT)	0.01 3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 82 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-6, 2-6

REACTIONS.

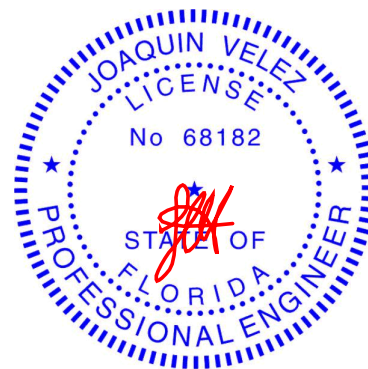
(size) 3=0-3-8, 6=Mechanical
Max Horz 6=-274(LC 10)
Max Uplift 3=-33(LC 12), 6=-28(LC 8)
Max Grav 3=698(LC 1), 6=592(LC 18)

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

TOP CHORD 2-3=-767/68
BOT CHORD 5-6=0/584, 3-5=0/587
WEBS 2-6=-673/119, 2-5=0/340

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 Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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, 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.



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

March 15, 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

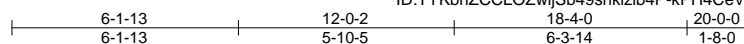


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186556
PSCHECO	C1	Roof Special	2	1		

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:35 2021 Page 1
ID:TYKbhZCCLOZwijSb49shklzlb4P-kPH4CeVzornyA2wRaFUo1T5fbErQakTeUNfUgJzbi92



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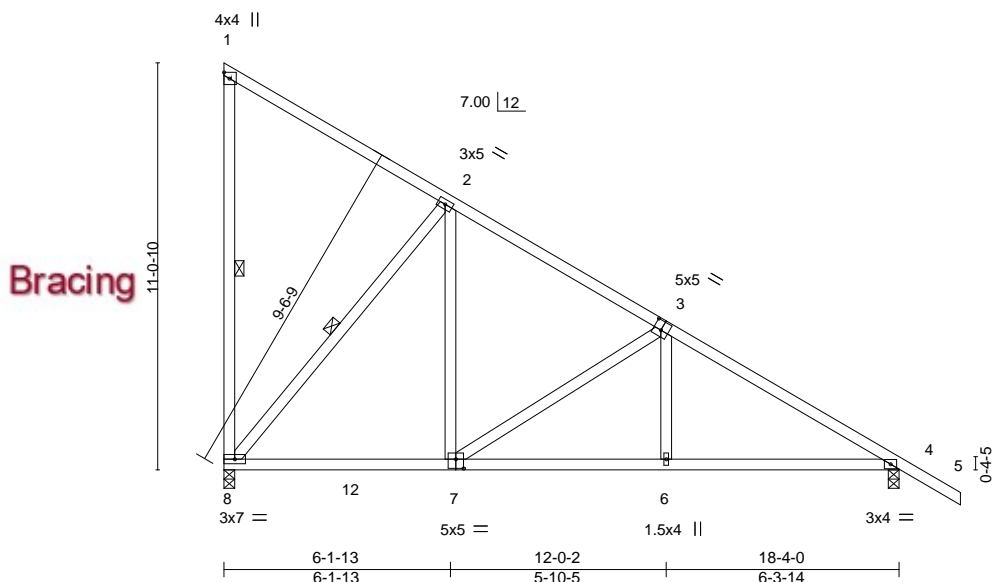


Plate Offsets (X,Y)--	[3:0-2-8,0-3-0], [7:0-2-8,0-3-0]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.57	Vert(LL)	-0.07	7-8	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.44	Vert(CT)	-0.11	7-8	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.47	Horz(CT)	0.02	4	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						
								Weight: 116 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-8, 2-8

REACTIONS.

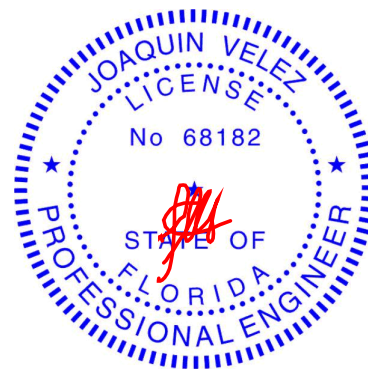
(size) 8=0-3-8, 4=0-3-8
Max Horz 8=-334(LC 10)
Max Uplift 8=-35(LC 8), 4=-30(LC 12)
Max Grav 8=898(LC 18), 4=903(LC 18)

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

TOP CHORD 2-3=-739/100, 3-4=-1184/45
BOT CHORD 7-8=0/605, 6-7=0/1000, 4-6=0/1004
WEBS 2-8=-822/81, 2-7=0/566, 3-7=-571/62

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 Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 4.
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 15, 2021

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



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Tampa, FL 33610

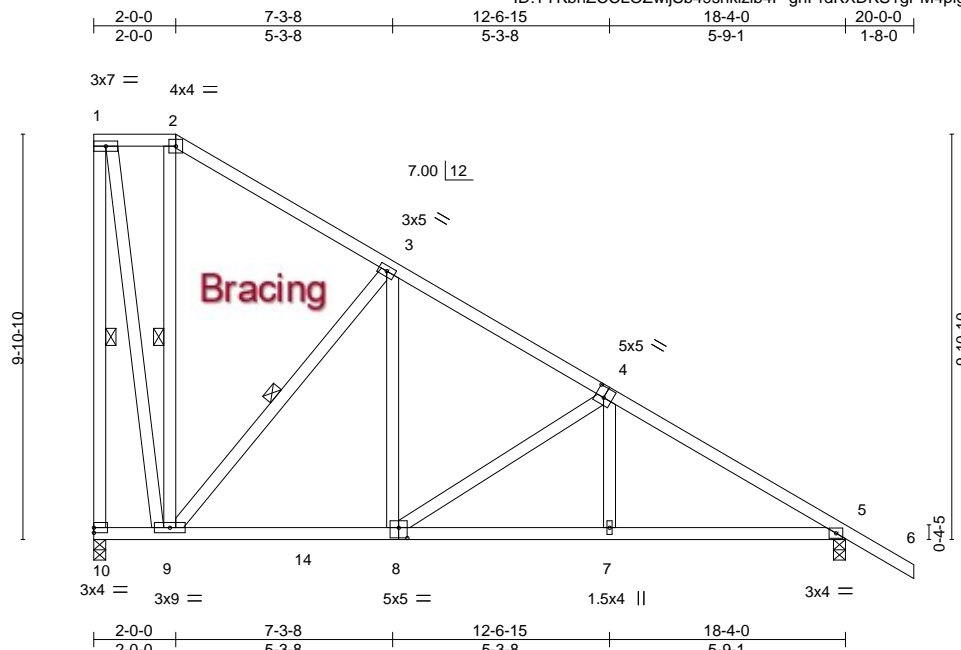
Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186557
PSCHECO	C2	Roof Special	1	1		
Job Reference (optional)						

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:37 2021 Page 1

ID:TYKbhZCCLOZwijSb49shkizlb4P-gnPrdKXDKS1gPM4pigWG6uB0P2Wh2gyxxh8akCzbi90



Scale = 1:56.2

Plate Offsets (X,Y)--	[4:0-2-8,0-3-0], [8:0-2-8,0-3-0]					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48	Vert(LL)	-0.05 8-9	>999 240
TCDL 10.0	Lumber DOL	1.25	BC 0.39	Vert(CT)	-0.09 8-9	>999 180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.34	Horz(CT)	0.02 5	n/a n/a
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-AS			
						PLATES GRIP
						MT20 244/190
						Weight: 138 lb FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-10, 2-9, 3-9

REACTIONS.

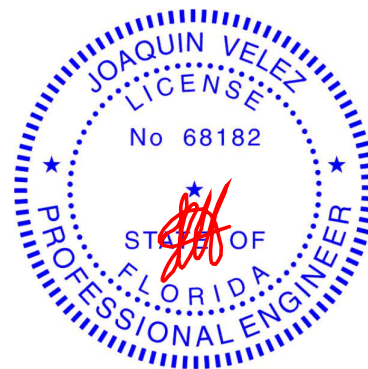
(size) 10=0-3-8, 5=0-3-8
Max Horz 10=302(LC 10)
Max Uplift 10=32(LC 8), 5=33(LC 12)
Max Grav 10=871(LC 18), 5=910(LC 18)

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

TOP CHORD 1-10=-849/94, 2-3=-317/130, 3-4=-786/84, 4-5=-1190/39
BOT CHORD 9-10=-264/334, 8-9=0/652, 7-8=0/1006, 5-7=0/1010
WEBS 1-9=-97/861, 3-9=-727/73, 3-8=0/513, 4-8=-513/55

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 Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 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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MiTek USA, Inc. FL Cert 6634
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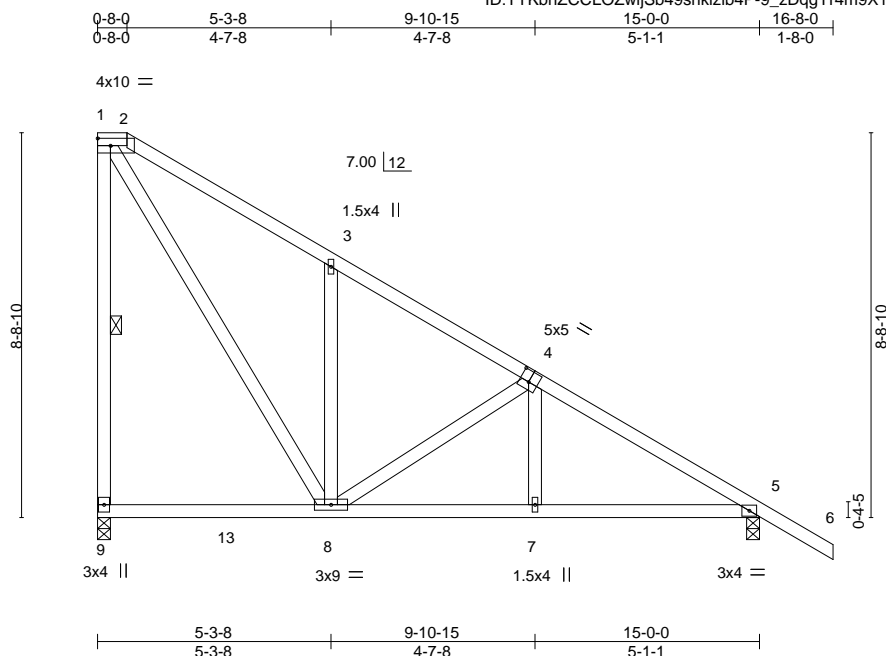
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Pscheco
PSCHECO	C3	Roof Special	1	1	T23186558
Job Reference (optional)					

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:38 2021 Page 1
ID:TYKbhZCCLOZwijSb49shklzlb4P-9_zDqgYr4m9X1Wf?FN2Ve6jCYSuHn9y4Alt8Gezbi9?



Scale = 1:52.2

Plate Offsets (X,Y)--	[4:0-2-8,0-3-0]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.39	Vert(LL)	-0.04	8-9	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.31	Vert(CT)	-0.07	8-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.23	Horz(CT)	0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						Weight: 97 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS.

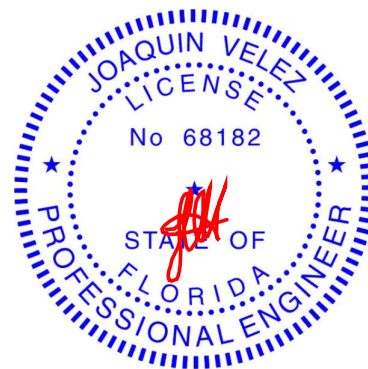
(size) 9=0-3-8, 5=0-3-8
Max Horz 9=-267(LC 10)
Max Uplift 9=-28(LC 8), 5=-34(LC 12)
Max Grav 9=737(LC 18), 5=752(LC 18)

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

TOP CHORD 1-9=-622/146, 1-2=-429/174, 2-3=-557/161, 3-4=-590/88, 4-5=-943/52
BOT CHORD 8-9=-246/327, 7-8=0/798, 5-7=0/802
WEBS 1-8=-124/843, 3-8=-287/156, 4-8=-452/66

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 Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 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:

March 15,2021

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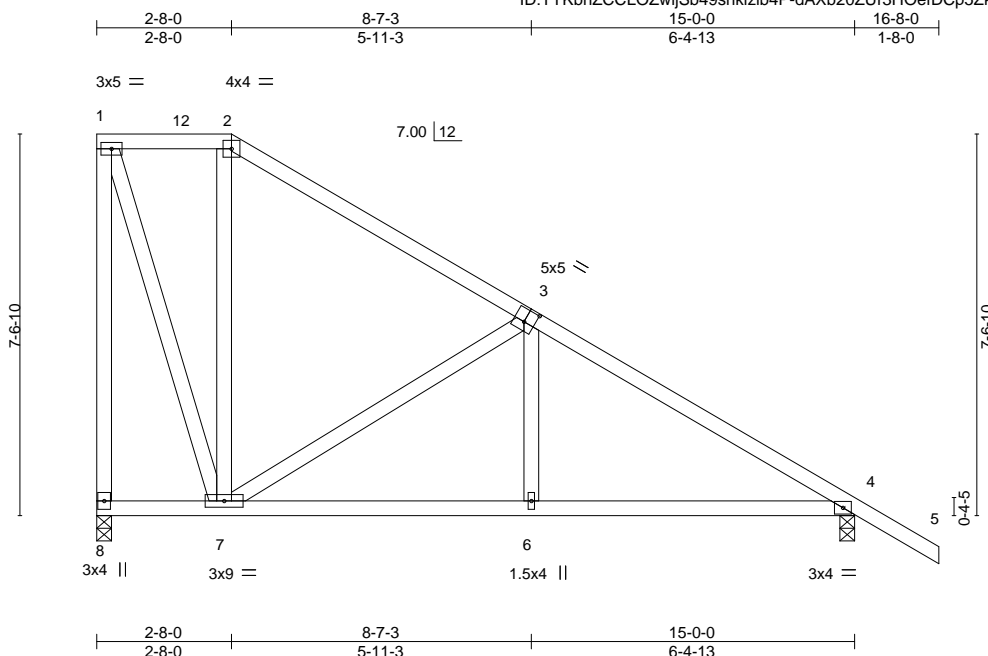
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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Tampa, FL 36610

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:39 2021 Page 1
ID:TYKbhZCCLOZwijSb49shkzib4P-dAXb20ZUr3HOefDCp5ZkBJGN4rCAWYKEP?dhp4zbi9_
2-8-0 8-7-3 15-0-0 16-8-0
2-8-0 5-11-3 6-4-13 1-8-0
3x5 = 4x4 = Scale = 1:45.6



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

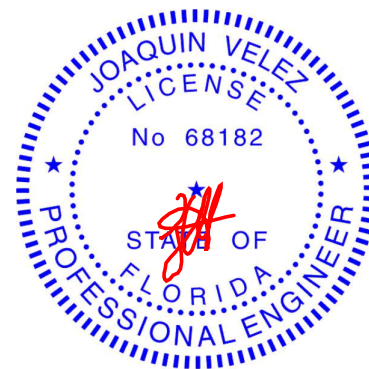
REACTIONS. (size) 8=0-3-8, 4=0-3-8
 Max Horz 8=231(LC 10)
 Max Uplift 8=25(LC 8), 4=37(LC 12)
 Max Grav 8=589(LC 1), 4=700(LC 1)

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

TOP CHORD	1-8=-574/83, 2-3=-317/97, 3-4=-817/59
BOT CHORD	7-8=-216/286, 6-7=0/637, 4-6=0/640
WEBS	1-7=-103/554, 3-7=-545/97, 3-6=0/274

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=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 Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 4.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186561
PSCHECO	C6	Roof Special	1	1	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:41 2021 Page 1
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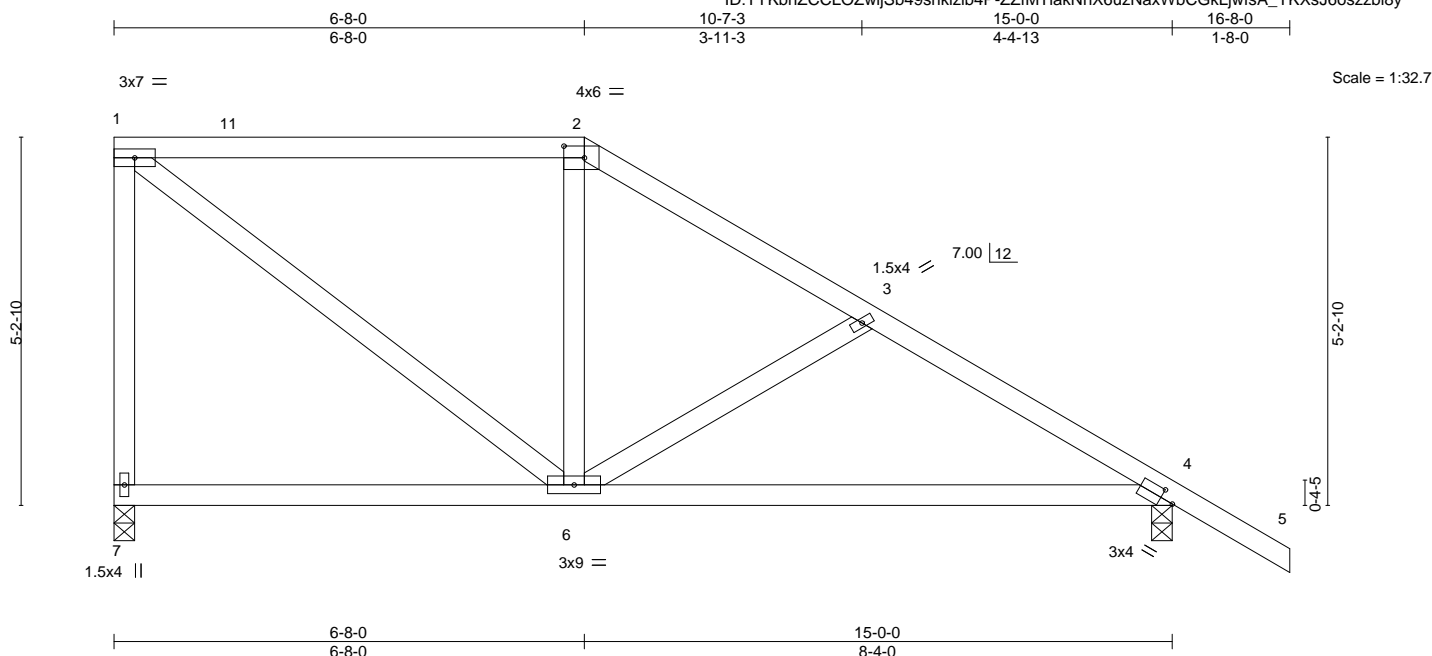


Plate Offsets (X,Y)--		[2:0-3-8,0-2-0], [4:0-2-4,0-1-8]							
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC	0.45	Vert(LL)	-0.09 6-10 >999 240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25		BC	0.55	Vert(CT)	-0.19 6-10 >932 180		
BCLL	0.0 *	Rep Stress Incr YES		WB	0.13	Horz(CT)	0.01 4 n/a n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS				Weight: 82 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS.

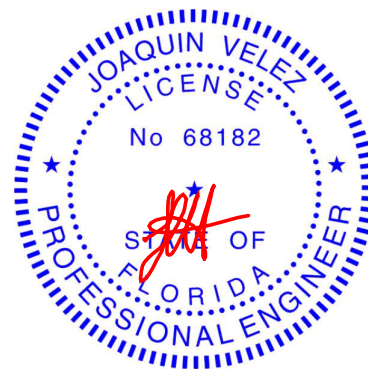
(size) 7=0-3-8, 4=0-3-8
Max Horz 7=-161(LC 10)
Max Uplift 7=-20(LC 8), 4=-41(LC 12)
Max Grav 7=589(LC 1), 4=700(LC 1)

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

TOP CHORD 1-7=-535/91, 1-2=-473/80, 2-3=-607/65, 3-4=-833/76
BOT CHORD 4-6=0/693
WEBS 1-6=-73/561, 3-6=-257/82

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 Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 4.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 15,2021

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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



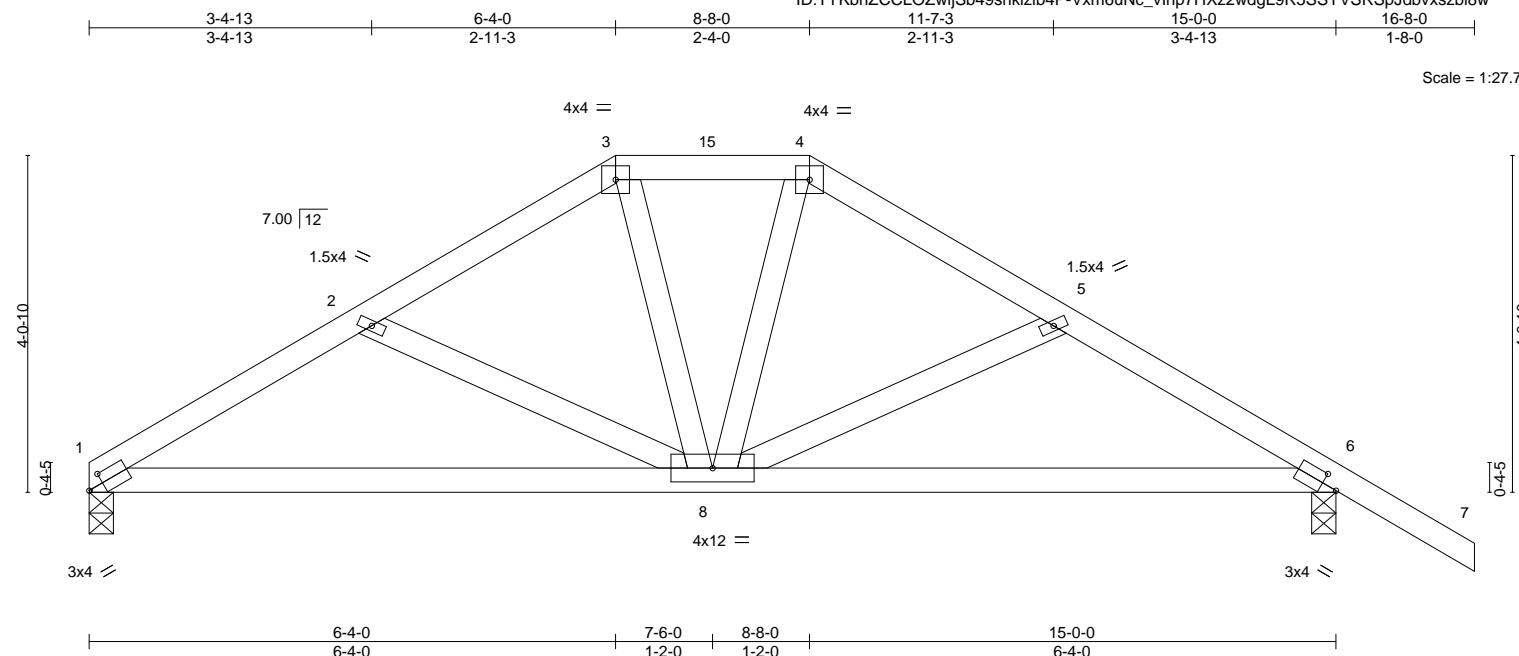
6904 Parke East Blvd.
Tampa, FL 36610



Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186563
PSCHECO	C8	Hip	1	1	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:43 2021 Page 1
ID:TYKbhZCCLOZwijSb49shklzlb4P-Vxm6uNc_vlnp7HXz2wdgLR5SSSYVSRSpJdbvxszi8w



Scale = 1:27.7

Plate Offsets (X,Y)-- [1:0-2-4,0-1-8], [6:0-2-4,0-1-8]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.25	Vert(LL)	-0.05 8-11	>999	240
TCDL 10.0	Lumber DOL	1.25	BC 0.49	Vert(CT)	-0.11 8-11	>999	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.02 6	n/a	n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS				
				PLATES	GRIP		
				MT20	244/190		
				Weight: 75 lb		FT = 0%	

LUMBER-

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

BRACING-

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

REACTIONS.

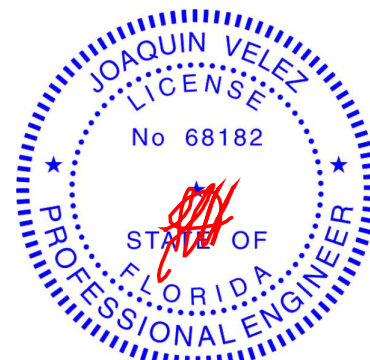
(size) 1=0-3-8, 6=0-3-8
Max Horz 1=-77(LC 10)
Max Uplift 6=-44(LC 12)
Max Grav 1=594(LC 1), 6=706(LC 1)

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

TOP CHORD 1-2=-915/32, 2-3=-697/20, 3-4=-609/23, 4-5=-696/20, 5-6=-895/24
BOT CHORD 1-8=0/779, 6-8=0/752

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=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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) 6.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 15, 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	Truss	Truss Type	Qty	Ply	Pscheco	T23186564
PSCHECO	C9	Hip	1	1		

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:44 2021 Page 1
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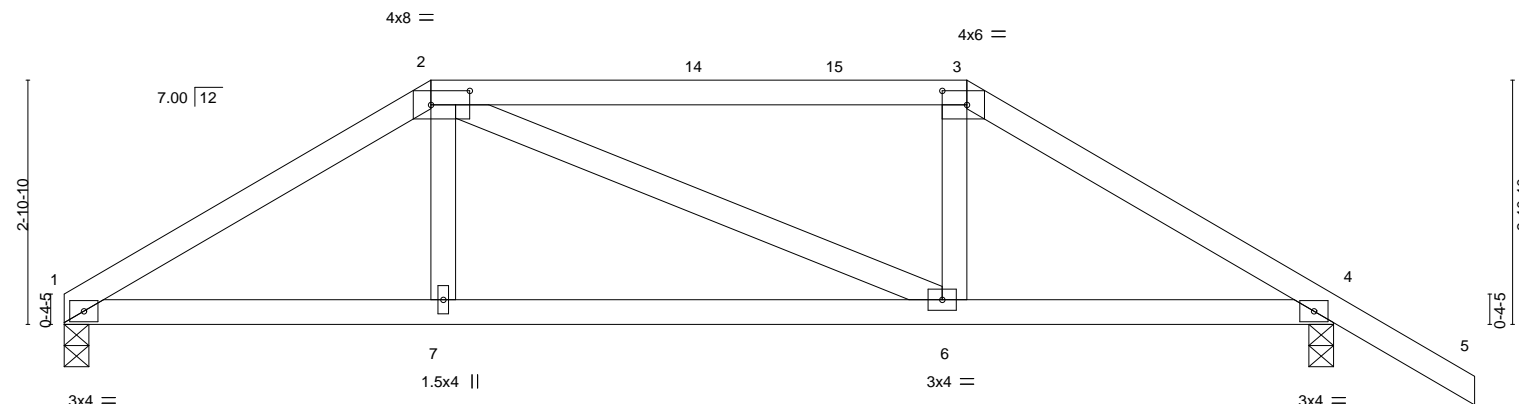


Plate Offsets (X,Y)--	[2:0-5-8,0-2-0], [3:0-3-8,0-2-0]
-----------------------	----------------------------------

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	2-0-0	TC 0.43	Vert(LL) -0.03	6-7	>999	240		MT20	244/190
TCDL 10.0	Lumber DOL 1.25		BC 0.33	Vert(CT) -0.08	6-7	>999	180			
BCLL 0.0 *	Rep Stress Incr YES		WB 0.07	Horz(CT) 0.02	4	n/a	n/a			
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						Weight: 66 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 1=0-3-8, 4=0-3-8
Max Horz 1=-57(LC 10)
Max Uplift 4=-44(LC 12)
Max Grav 1=594(LC 1), 4=706(LC 1)

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

TOP CHORD 1-2=-925/10, 2-3=-756/15, 3-4=-918/2
BOT CHORD 1-7=0/770, 6-7=0/777, 4-6=0/750

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=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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) 4.
- 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:

March 15, 2021

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



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Psccheco	T23186565
PSCHECO	C10GIR	Roof Special Girder	1	1	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:36 2021 Page 1
ID:TYKbhZCCLOZwijSb49shklzlb4P-CbrTP_WbZ8vnpnCVd8y?1ZherQeBGJFtni1O1Cmzbi91

2-8-13	5-0-0	7-8-0	12-8-0	15-0-0	16-8-0
2-8-13	2-3-3	2-8-0	5-0-0	2-4-0	1-8-0

Scale = 1:28.2

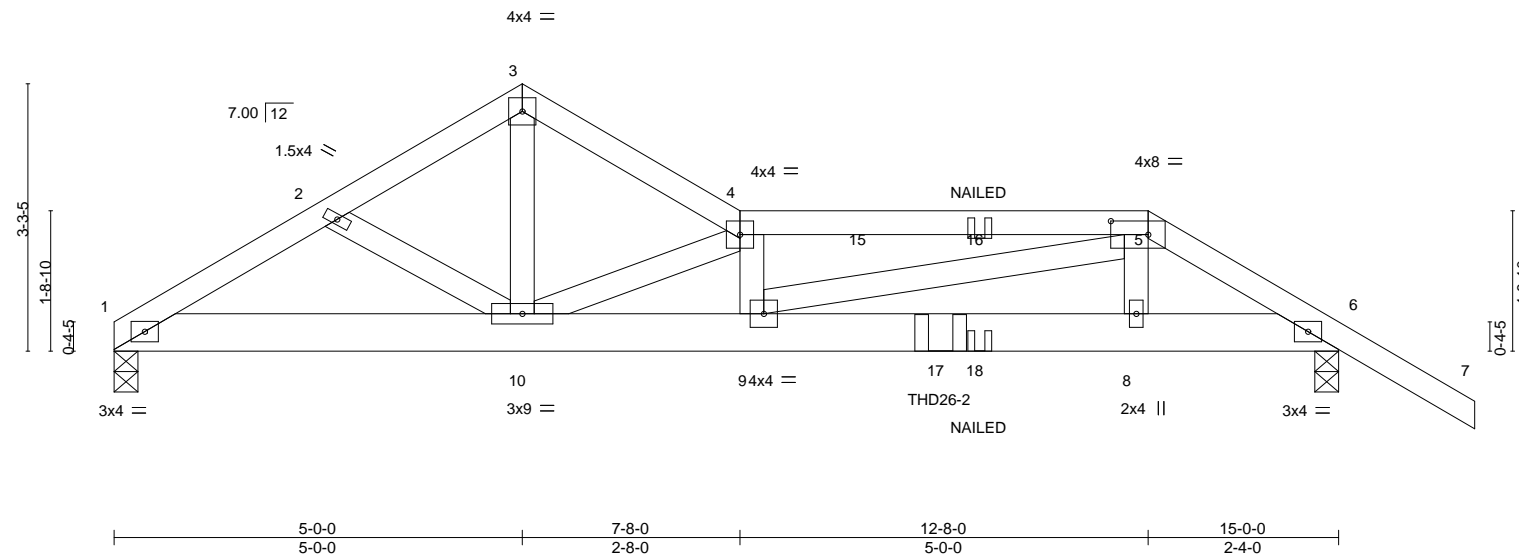


Plate Offsets (X,Y)--	[5:0-5-8,0-2-0]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.50	Vert(LL)	-0.06 9	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.40	Vert(CT)	-0.12 8-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.20	Horz(CT)	0.02 6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 84 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 1=0-3-8, 6=0-3-8
Max Horz 1=-63(LC 6)
Max Uplift 6=-55(LC 8)
Max Grav 1=630(LC 1), 6=746(LC 1)

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

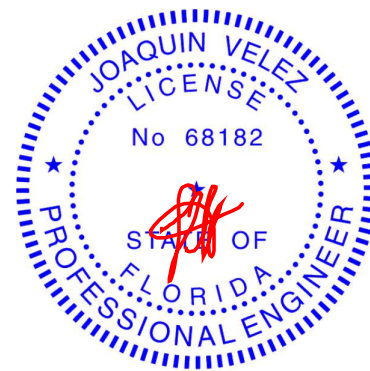
TOP CHORD 1-2=-1040/11, 2-3=-925/5, 3-4=-930/6, 4-5=-1800/0, 5-6=-1198/0
BOT CHORD 1-10=0/887, 9-10=0/1816, 8-9=0/1045, 6-8=0/1023
WEBS 3-10=0/741, 4-10=-1172/0, 5-9=0/784

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=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.
- 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) 6.
- Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 10-1-8 from the left end to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.
- "NAILED" indicates 3-10d (0.148"x3") or 3-12d (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) 31 lb down and 110 lb up at 12-8-0 on top chord, and 5 lb down and 55 lb up at 12-7-4 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: 1-3=-60, 3-4=-60, 4-5=-60, 5-7=-60, 1-6=-20



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

March 15,2021

Continued on page 2

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186565
PSCHECO	C10GIR	Roof Special Girder	1	1	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:37 2021 Page 2
ID:TYKbhZCCLOZwijSb49shklzlb4P-gnPrdKXDKS1gPM4pigWG6uB0A2WV2i7xxh8akCzbi90

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 5=31(F) 8=36(F) 17=-147(F) 18=3(F)



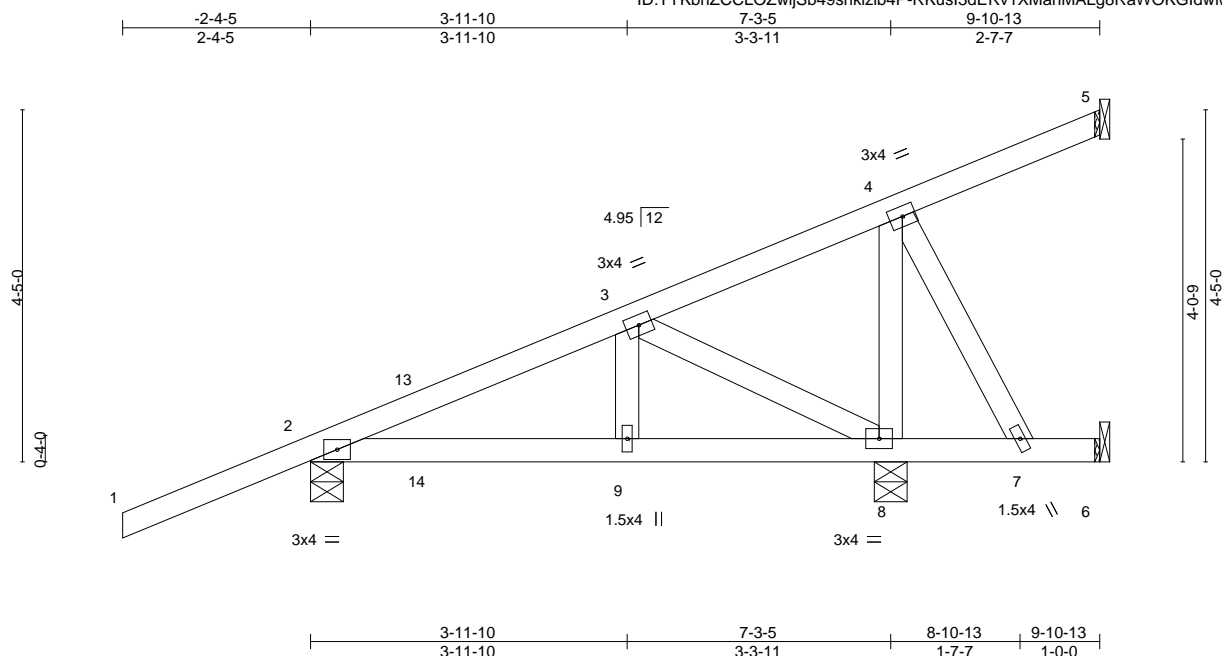
Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186566
PSCHECO	CJ01	Diagonal Hip Girder	1	1	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:45 2021 Page 1

ID:TYKbhZCCLOZwijSb49shklzb4P-RKust3dERv1XMahMALg8RaWOKGldwMS6nx40?kzbi8u



Scale = 1:28.9

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 0.42	Vert(LL)	-0.01 9-12	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.20	Vert(CT)	0.01 9-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.05	Horz(CT)	0.00 8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 51 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 7-8.

REACTIONS.

All bearings Mechanical except (jt=length) 2=0-4-15, 8=0-4-15.
(lb) - Max Horz 2=133(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 5, 8 except 2=108(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 5, 6 except 2=338(LC 1), 8=514(LC 1)

FORCES.

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

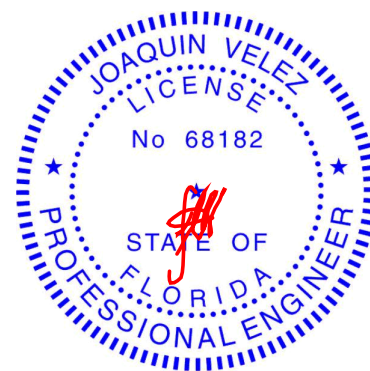
WEBS 4-8=300/69

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) 5, 8 except (jt=lb) 2=108.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 82 lb up at 1-4-11, 82 lb up at 1-4-11, 5 lb down and 36 lb up at 4-2-10, 5 lb down and 36 lb up at 4-2-10, and 48 lb down and 76 lb up at 7-0-9, and 38 lb down and 68 lb up at 7-0-9 on top chord, and 50 lb up at 1-4-11, 50 lb up at 1-4-11, 1 lb down at 4-2-10, and 1 lb down at 4-2-10, and 33 lb down at 7-0-9 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: 1-5=-60, 6-10=-20
Concentrated Loads (lb)
Vert: 9=-2(F=-1, B=-1) 8=-30(F) 4=-86(F=-38, B=-48) 13=62(F=31, B=31) 14=67(F=34, B=34)



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

March 15, 2021

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6904 Parke East Blvd.
Tampa, FL 33610

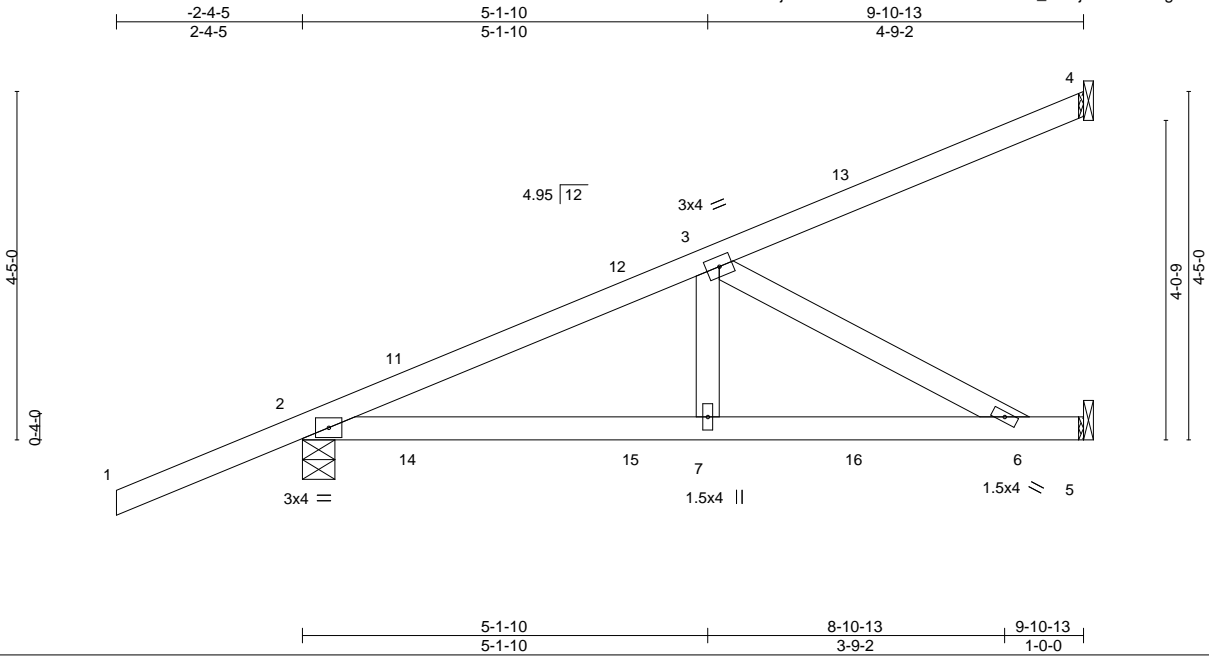
Job	Truss	Truss Type	Qty	Ply	Psccheco	T23186567
PSCHECO	CJ02	Diagonal Hip Girder	1	1	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:46 2021 Page 1

ID:TYKbhZCCLOZwijSb49shklzb4P-wWSFWPetCD9O_kGYj3BNzo3YBgXdfmBG0bpZXAzbi8t



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48	Vert(LL)	-0.05	6-7	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.66	Vert(CT)	-0.12	6-7	>963	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.22	Horz(CT)	0.01	5	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						
								Weight: 44 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 4=Mechanical, 2=0-4-15, 5=Mechanical
Max Horz 2=133(LC 8)
Max Uplift 4=-38(LC 8), 2=-113(LC 8)
Max Grav 4=144(LC 1), 2=480(LC 1), 5=311(LC 1)

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

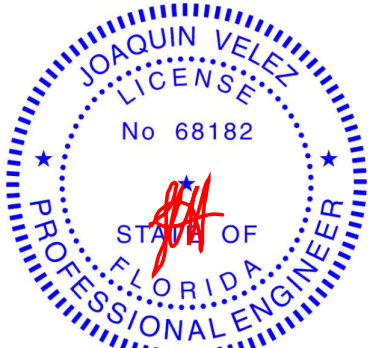
TOP CHORD 2-3=-643/0
BOT CHORD 2-7=-47/562, 6-7=-47/562
WEBS 3-7=0/295, 3-6=-636/53

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) 4 except (jt=lb) 2=113.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 82 lb up at 1-4-11, 82 lb up at 1-4-11, 5 lb down and 36 lb up at 4-2-10, 5 lb down and 36 lb up at 4-2-10, and 38 lb down and 68 lb up at 7-0-9, and 38 lb down and 68 lb up at 7-0-9 on top chord, and 50 lb up at 1-4-11, 50 lb up at 1-4-11, 1 lb down at 4-2-10, 1 lb down at 4-2-10, and 33 lb down at 7-0-9, and 33 lb down at 7-0-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=62(F=31, B=31) 13=-76(F=-38, B=-38) 14=67(F=34, B=34) 15=-2(F=-1, B=-1) 16=-59(F=-30, B=-30)



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

March 15,2021

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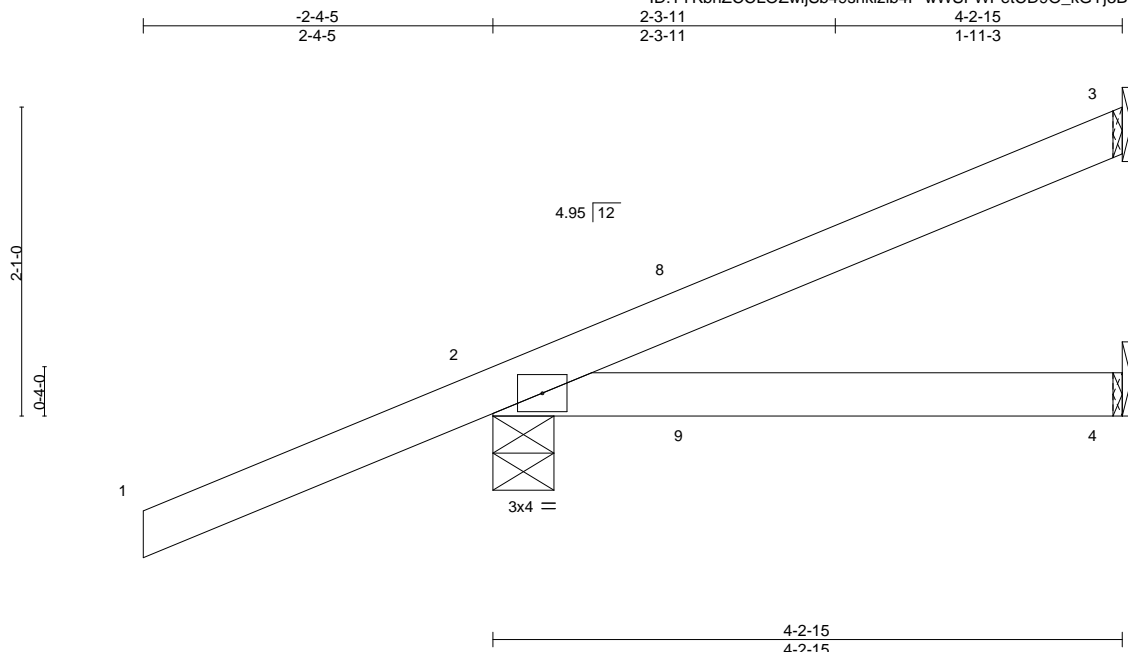
Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186568
PSCHECO	CJ03	Diagonal Hip Girder	2	1	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

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ID:TYKbhZCCLOZwijSb49shklzlb4P-wWSFWPetCD9O_kGYj3BNzo3Z4gf1fpYG0bpZXAzbi8t



Scale = 1:15.5

LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.42		Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.18		Vert(CT)	0.01	4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00		Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 17 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 3=Mechanical, 2=0-4-15, 4=Mechanical
Max Horz 2=77(LC 8)
Max Uplift 3=24(LC 8), 2=119(LC 8), 4=5(LC 14)
Max Grav 3=70(LC 1), 2=262(LC 1), 4=48(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); 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) 3, 4 except (jt=lb) 2=119.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 82 lb up at 1-4-11, and 82 lb up at 1-4-11 on top chord, and 50 lb up at 1-4-11, and 50 lb up at 1-4-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) 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: 1-3=-60, 4-5=-20
Concentrated Loads (lb)
Vert: 8=62(F=31, B=31) 9=67(F=34, B=34)



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

March 15, 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



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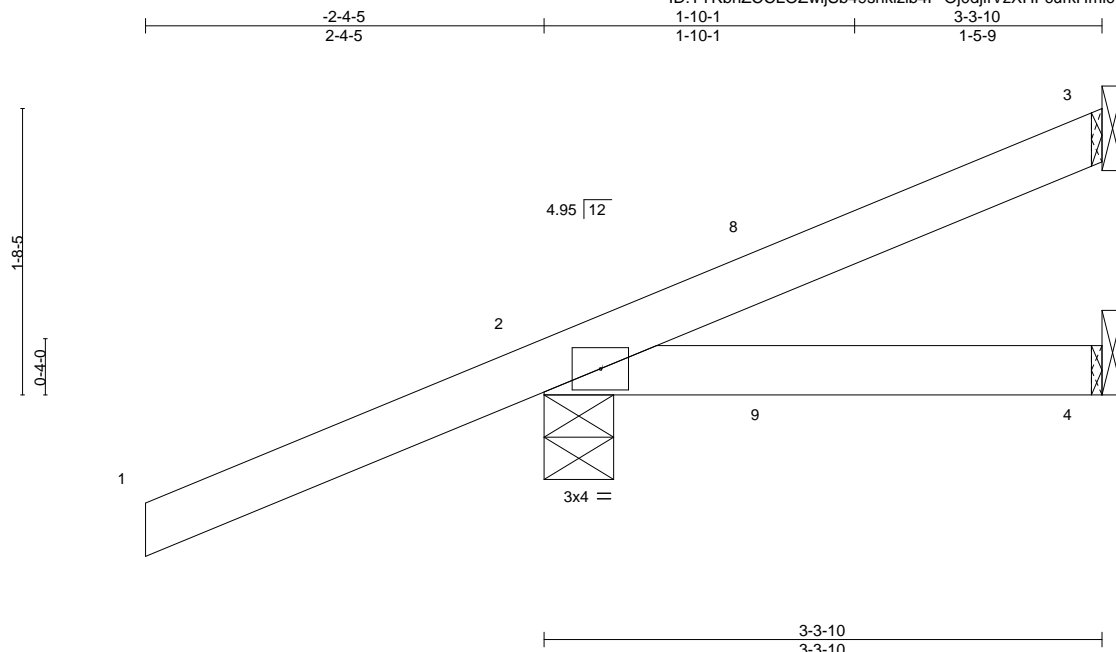
Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186569
PSCHECO	CJ04	Diagonal Hip Girder	1	1	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

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Scale = 1:13.6

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.42	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.18	Vert(CT)	0.01	4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						Weight: 14 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 3=Mechanical, 2=0-4-15, 4=Mechanical
Max Horz 2=68(LC 8)
Max Uplift 3=20(LC 5), 2=120(LC 8), 4=33(LC 13)
Max Grav 3=32(LC 1), 2=249(LC 1), 4=21(LC 3)

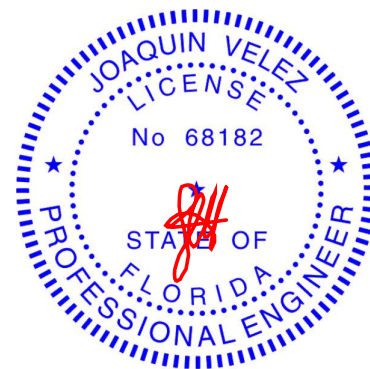
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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); 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) 3, 4 except (jt=lb) 2=120.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 82 lb up at 1-4-11, and 82 lb up at 1-4-11 on top chord, and 50 lb up at 1-4-11, and 50 lb up at 1-4-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) 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: 1-3=-60, 4-5=-20
Concentrated Loads (lb)
Vert: 8=62(F=31, B=31) 9=67(F=34, B=34)



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

March 15, 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

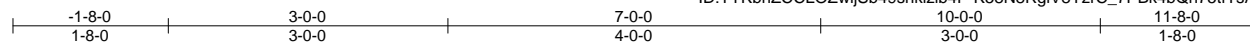


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186570
PSCHECO	D1GIR	Hip Girder	1	1	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:49 2021 Page 1
ID:TYKbhZCCLOZwjSb49shklzb4P-K58N8RglV8YzrC_7PBk4bQh75tfTsAjjiz2D8Vzbi8q



Scale = 1:24.7

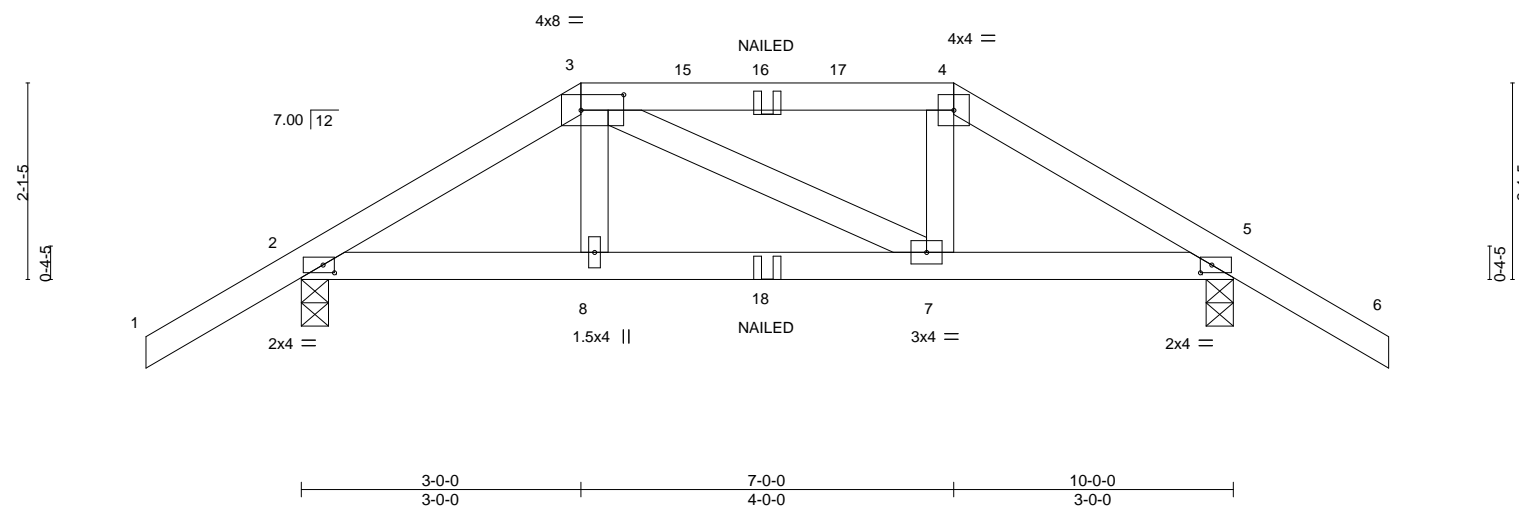


Plate Offsets (X,Y)-- [2:0-1-7,0-1-0], [3:0-5-8,0-2-0], [5:0-1-7,0-1-0]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.01	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.02	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 47 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 2=0-3-8, 5=0-3-8
Max Horz 2=48(LC 6)
Max Uplift 2=39(LC 8), 5=39(LC 8)
Max Grav 2=518(LC 17), 5=518(LC 18)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-587/0, 3-4=-482/0, 4-5=-587/0
BOT CHORD 2-8=0/496, 7-8=0/503, 5-7=0/487

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=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.
- 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) 2, 5.
- "NAILED" indicates 3-10d (0.148"x3") or 3-12d (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) 65 lb down and 71 lb up at 3-0-0, and 65 lb down and 71 lb up at 7-0-0 on top chord, and 28 lb down and 13 lb up at 3-0-0, and 28 lb down and 13 lb up at 6-11-4 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
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-6=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 3=-4(F) 4=-4(F) 8=-8(F) 7=-8(F) 16=-4(F) 18=-6(F)



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

March 15,2021

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

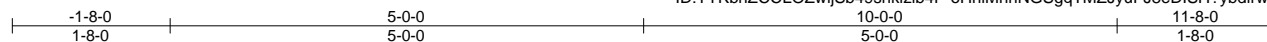


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186571
PSCHECO	D2	Common	1	1	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:50 2021 Page 1
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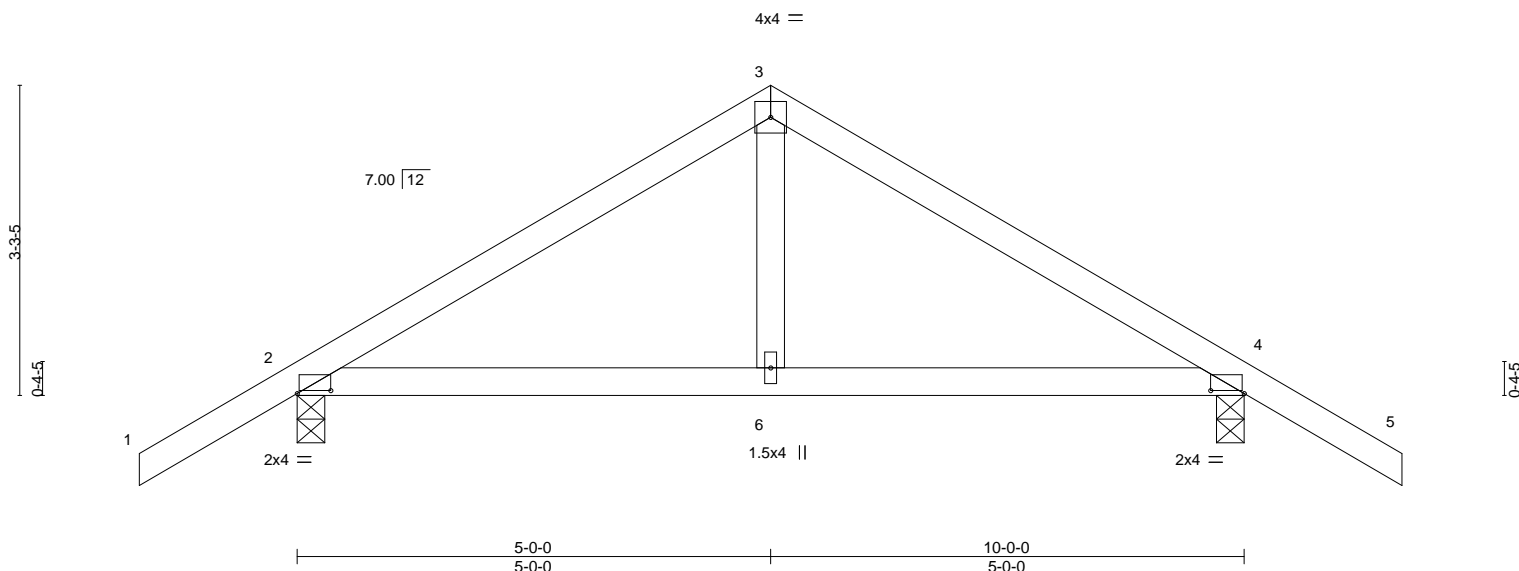


Plate Offsets (X,Y)--	[2:0-4-4,0-0-6], [4:0-4-4,0-0-6]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.20	Vert(LL)	-0.01 6-9	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.25	Vert(CT)	-0.03 6-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00 4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 42 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS.

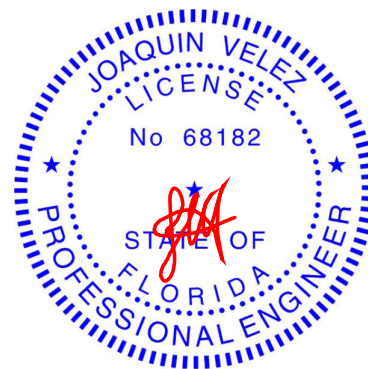
(size) 2=0-3-8, 4=0-3-8
Max Horz 2=-67(LC 10)
Max Uplift 2=-41(LC 12), 4=-41(LC 12)
Max Grav 2=500(LC 1), 4=500(LC 1)

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

TOP CHORD 2-3=-484/76, 3-4=-484/76
BOT CHORD 2-6=0/363, 4-6=0/363

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=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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) 2, 4.
- 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:

March 15, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186572
PSCHECO	D3	Common	1	1	Job Reference (optional)	

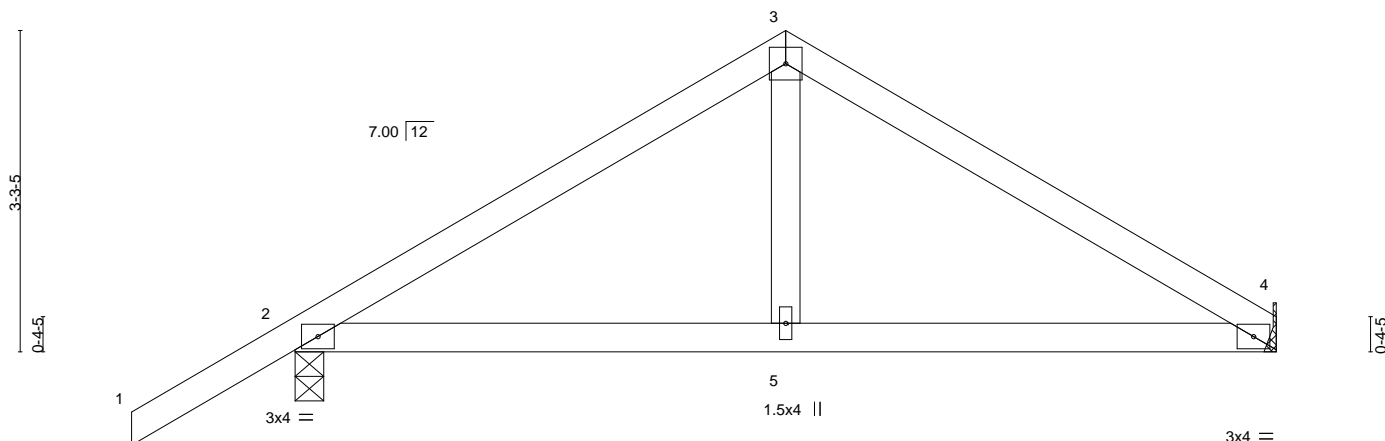
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:51 2021 Page 1
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4x4 =

Scale = 1:23.5



LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	in (loc)	l/defl	MT20	244/190		
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(LL)	>999				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Vert(CT)	>999				
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		Horz(CT)	n/a				
								Weight: 39 lb		FT = 0%	

LUMBER-

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

BRACING-

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

REACTIONS.

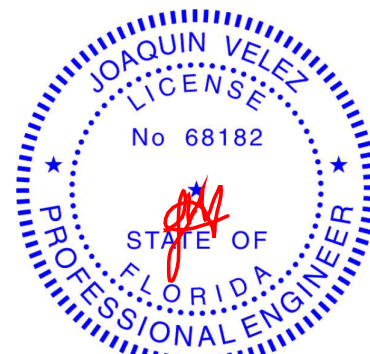
(size) 4=Mechanical, 2=0-3-8
Max Horz 2=63(LC 11)
Max Uplift 2=46(LC 12)
Max Grav 4=392(LC 1), 2=508(LC 1)

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

TOP CHORD 2-3=-507/95, 3-4=-489/93
BOT CHORD 2-5=-12/383, 4-5=-12/383

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=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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.
- 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) 2.
- 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:

March 15, 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

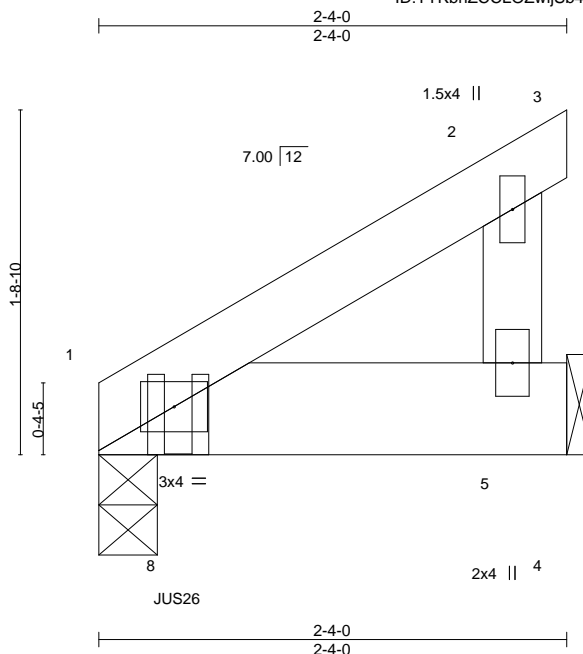


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186573
PSCHECO	GIR1	Jack-Closed Girder	1	2	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:52 2021 Page 1
ID:TYKbhZCCLOZwijSb49shklzlb4P-kgpWmSjen3wYifji4JlnD3lhh5jJ3X18OWGtlqzbi8n



Scale = 1:11.5

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.03	Vert(LL)	-0.00	7	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	-0.00	7	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 22 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=Mechanical
Max Horz 1=38(LC 5)
Max Grav 1=387(LC 1), 5=167(LC 1)

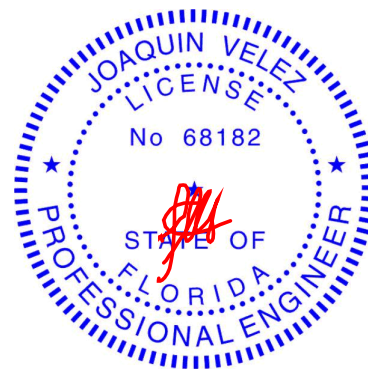
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- 2-ply truss to be connected together as follows:
Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected with 10d (0.131"x3") nails as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
- 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.
- 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.
- Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent at 0-4-12 from the left end to connect truss(es) to back face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-20, 1-4=-20
Concentrated Loads (lb)
Vert: 8=-378(B)



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

March 15, 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



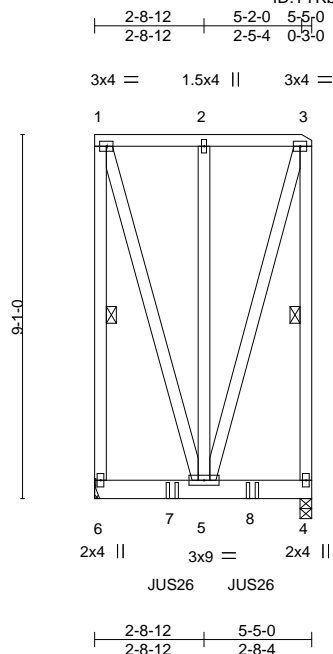
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Psccheco
PSCHECO	GIR2	Roof Special Girder	1	2	T23186574

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:52 2021 Page 1

ID:TYKbhZCCLOZwijSb49shklzlb4P-kgpWmSjen3wYifji4JlnD3le85i?3Wt8OWGtlqzbi8n



Scale = 1:57.5

Bracing

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.26	Vert(LL)	-0.00	5	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.15	Vert(CT)	-0.01	5	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.07	Horz(CT)	-0.00	4	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						
								Weight: 167 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-6, 3-4

REACTIONS.

(size) 6=Mechanical, 4=0-3-8
Max Horz 6=244(LC 6)
Max Uplift 6=249(LC 4), 4=257(LC 5)
Max Grav 6=807(LC 26), 4=900(LC 25)

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

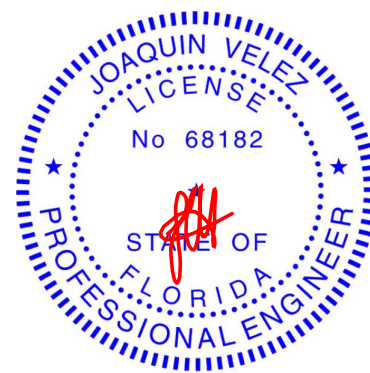
TOP CHORD 1-6=679/253, 3-4=685/253
WEBS 1-5=248/649, 3-5=248/656

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 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.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; 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.
- 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.
- 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) 6=249, 4=257.
- Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-11-4 from the left end to 3-11-4 to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=60, 4-6=20



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

March 15, 2021

Continued on page 2

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

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186574
PSCHECO	GIR2	Roof Special Girder	1	2	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:53 2021 Page 2
ID:TYKbhZCCLOZwijSb49shkizlb4P-CsNu_ojGYN2PKplue1p0lGrpuU2Eoz6ldA0RHGzbi8m

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 7=-567(F) 8=-567(F)

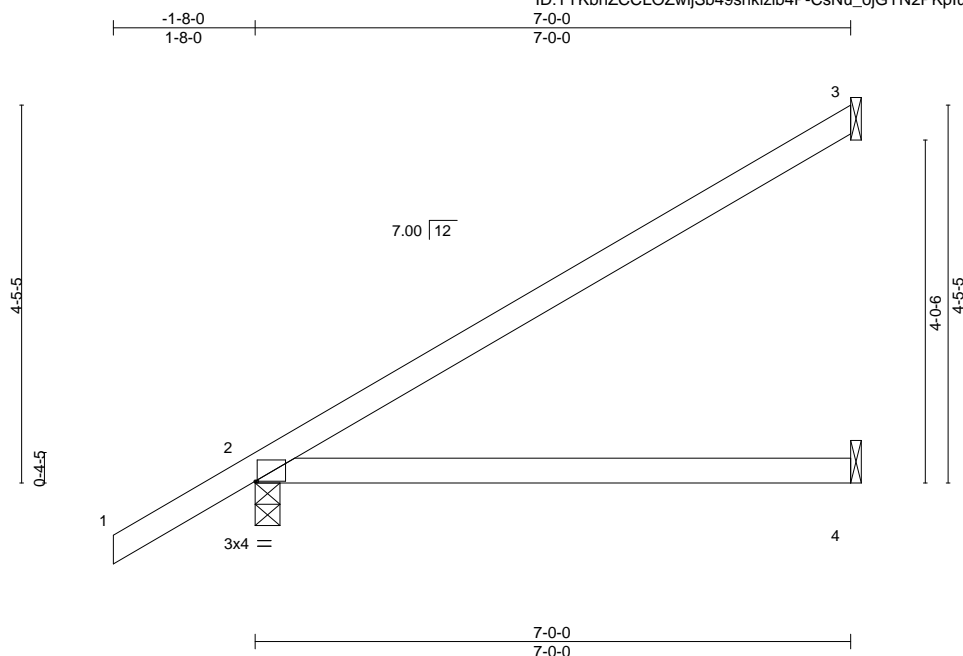
Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186575
PSCHECO	J1	Jack-Open	14	1		
Job Reference (optional)						

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:53 2021 Page 1

ID:TYKbhZCCLOZwijSb49shkizlb4P-CsNu_ojGYN2PKplue1p0lGrjkUzho_GldA0RHGzbi8m



Scale = 1:27.1

Plate Offsets (X,Y)--	[2:0-0-5,0-0-0]								
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 0.59	Vert(LL)	-0.09 4-7	>951	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.50	Vert(CT)	-0.21 4-7	>396	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00 2	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 26 lb	FT = 0%

LUMBER-

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

BRACING-

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

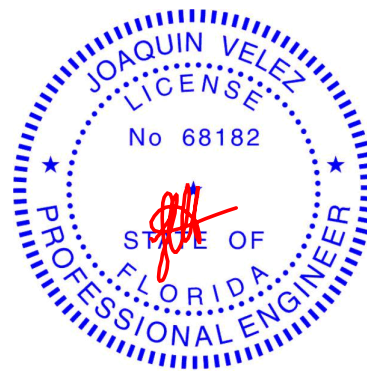
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=133(LC 12)
Max Uplift 3=50(LC 12), 2=19(LC 12)
Max Grav 3=184(LC 1), 2=390(LC 1), 4=124(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; 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 Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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, 2.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 15, 2021

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

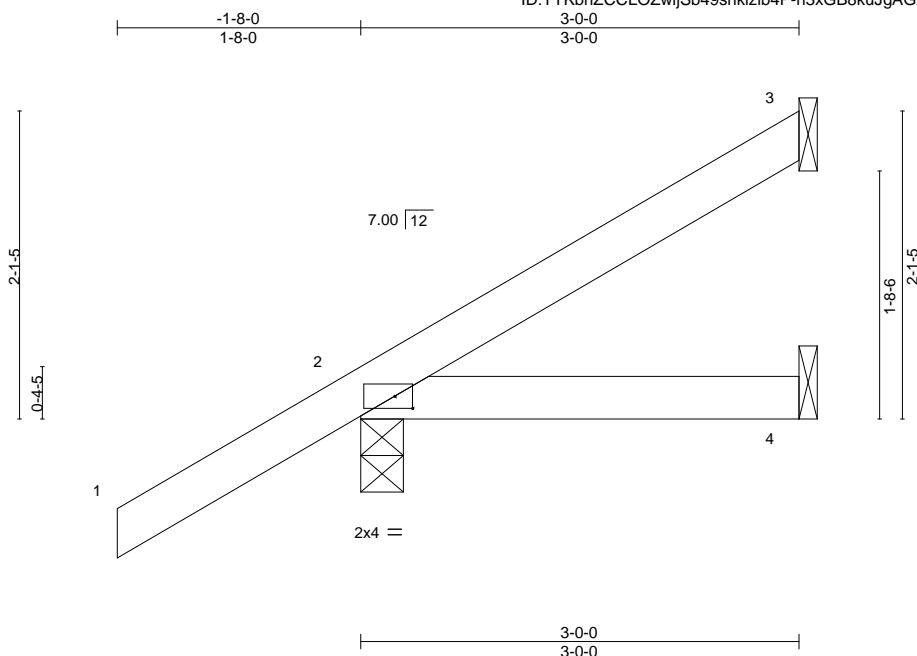


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186576
PSCHECO	J1A	Jack-Open	3	1	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:54 2021 Page 1
ID:TYKbhZCCLOZwijSb49shklzlb4P-h3xGB8kuJgAGxzt4BkKFIUO?quPhXRWRrqI_qjzbi8l



Scale = 1:15.8

Plate Offsets (X,Y)--	[2:0-1-7,0-1-0]								
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 0.18	Vert(LL)	-0.00 4-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	-0.01 4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00 3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 13 lb	FT = 0%

LUMBER-

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

BRACING-

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

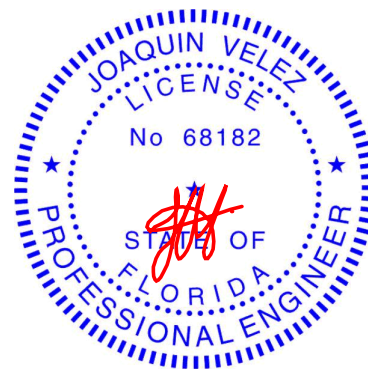
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=77(LC 12)
Max Uplift 3=14(LC 12), 2=-45(LC 12)
Max Grav 3=63(LC 17), 2=246(LC 1), 4=50(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; 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 Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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, 2.



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

March 15,2021

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



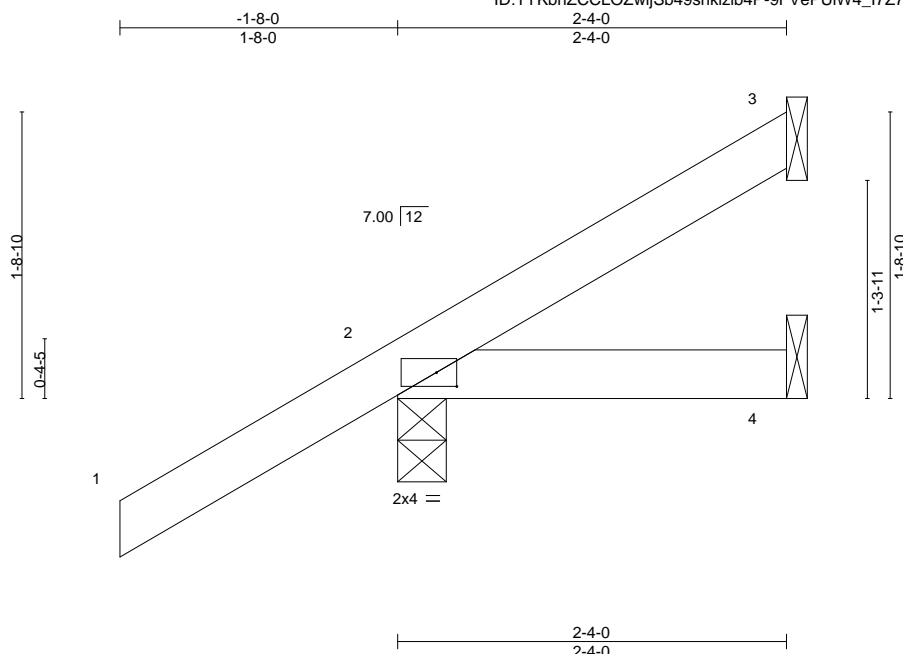
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186577
PSCHECO	J1B	Jack-Open	2	1		
Job Reference (optional)						

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:55 2021 Page 1
ID:TYKbhZCCLOZwijSb49shklzlb4P-9FVePUIW4_I7Z7SHISrUrhwaAalmJGuma4UVXM9zbi8k



Scale = 1:13.8

Plate Offsets (X,Y)--		[2:0-1-7,0-1-0]									
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 0.18		Vert(LL)	-0.00 7	>999	240	MT20	244/190
TCDL 10.0		Lumber DOL	1.25	BC 0.05		Vert(CT)	-0.00 7	>999	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	0.00 3	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014		Matrix-MP						Weight: 11 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-4-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

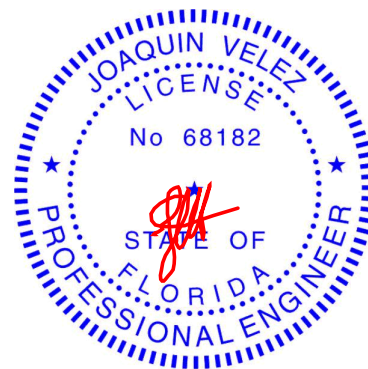
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=67(LC 12)
Max Uplift 3=-7(LC 9), 2=-53(LC 12)
Max Grav 3=42(LC 17), 2=228(LC 1), 4=35(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 Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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, 2.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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March 15, 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

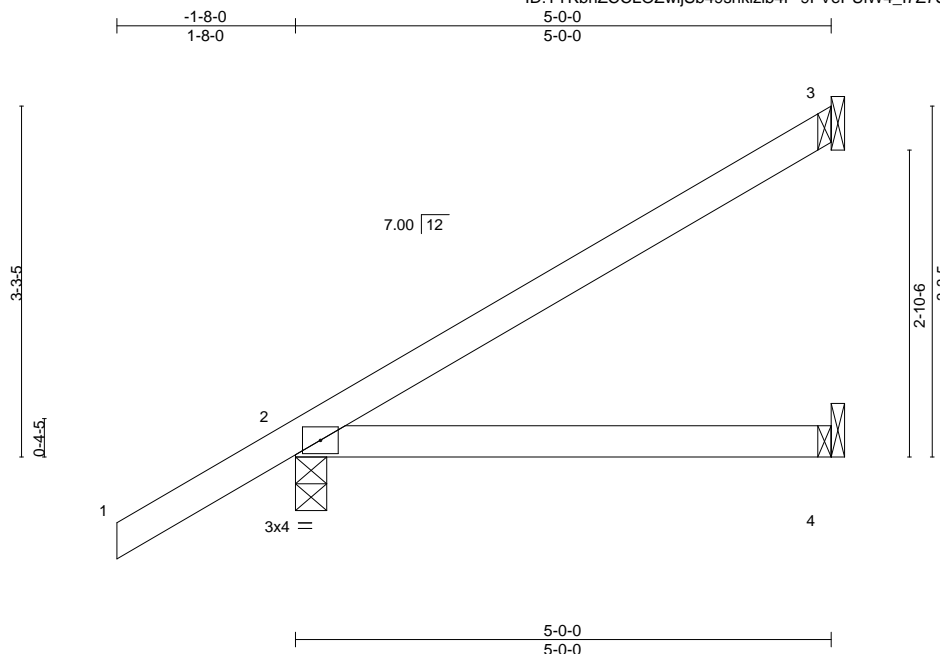
Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186578
PSCHECO	J2	Jack-Open	3	1		
Job Reference (optional)						

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:55 2021 Page 1

ID:TYKbhZCCLOZwijSb49shkizlb4P-9FVePUiW4_I7Z7SHISrUrhW86ljKGuma4UVXM9zbi8k



Scale = 1:21.5

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.27	Vert(LL)	-0.02	4-7	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.24	Vert(CT)	-0.05	4-7	>999	180	244/190
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-AS						
									Weight: 19 lb FT = 0%

LUMBER-

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

BRACING-

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

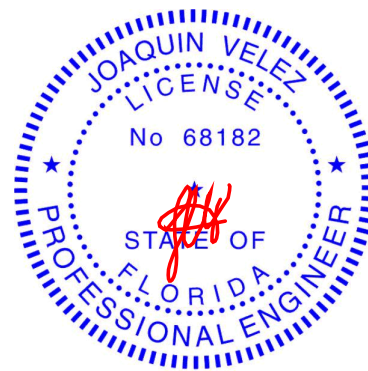
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=105(LC 12)
Max Uplift 3=33(LC 12), 2=30(LC 12)
Max Grav 3=125(LC 1), 2=314(LC 1), 4=88(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; 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 Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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, 2.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 15,2021

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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

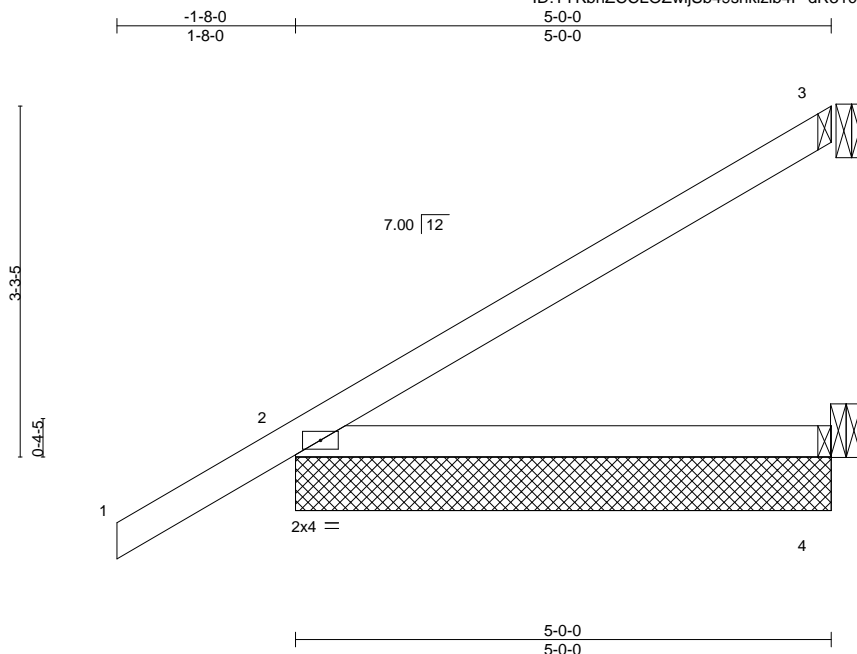


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186579
PSCHECO	J2L	Jack-Open Supported Gable	1	1	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:56 2021 Page 1
ID:TYKbhZCCLOZwijSb49shklzlb4P-dR31cqm8r1QzBH1TJ9MjNvTlqi1h?L0kJ8E5ubzbi8j



Scale = 1:21.5

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.34	Vert(LL)	-0.03	2-4	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.29	Vert(CT)	-0.07	2-4	>875	180	244/190
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-P						
								Weight: 19 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

All bearings 5-0-0.

(lb) - Max Horz 2=103(LC 12)

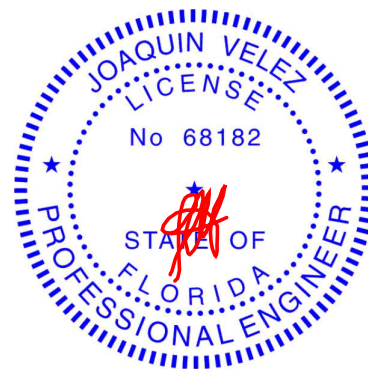
Max Uplift All uplift 100 lb or less at joint(s) 3, 2

Max Grav All reactions 250 lb or less at joint(s) 3, 3, 4, 4 except 2=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=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) 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) Gable studs spaced at 2-0-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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

March 15, 2021

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



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Psccheco	T23186580
PSCHECO	J3	Jack-Open	4	1	Job Reference (optional)	

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:57 2021 Page 1
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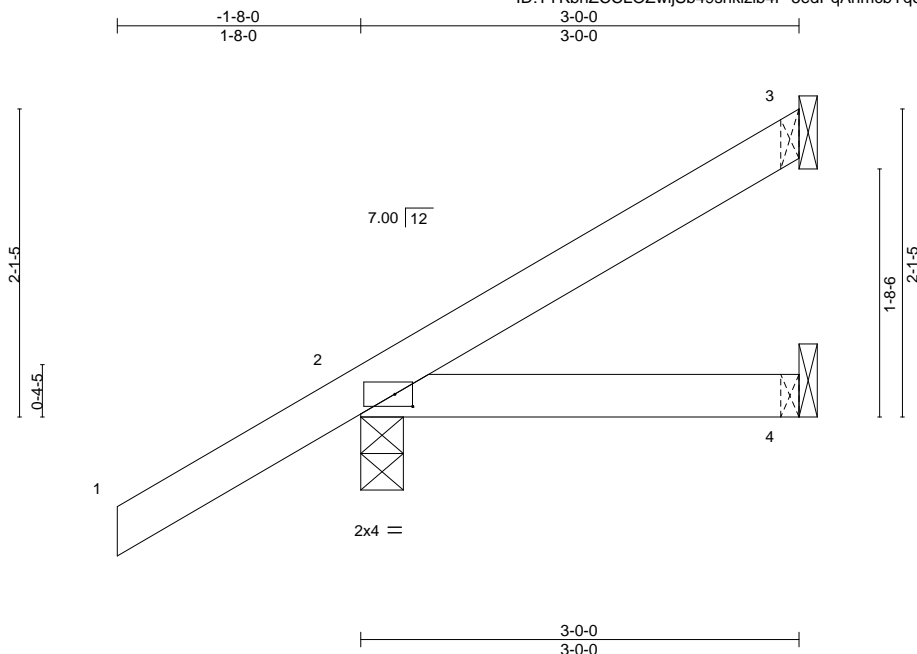


Plate Offsets (X,Y)--	[2:0-1-7,0-1-0]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.18	Vert(LL)	-0.00 4-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	-0.01 4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00 3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 13 lb	FT = 0%

LUMBER-

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

BRACING-

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

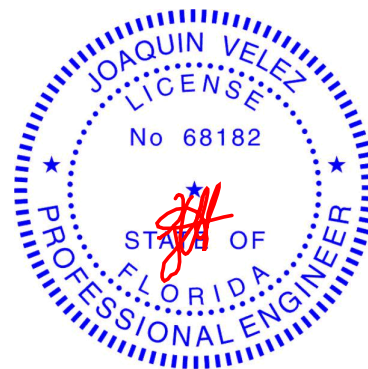
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=77(LC 12)
Max Uplift 3=14(LC 12), 2=-45(LC 12)
Max Grav 3=63(LC 17), 2=246(LC 1), 4=50(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; 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 Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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, 2.



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

March 15,2021

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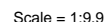
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:58 2021 Page 1
ID:TYKbhZCCLOZwijSb49shklzlb4P-ZqAn1WnONvghQaArQaPbSKYggVn7TFW1mSjCzUzbi8h



LUMBER-		BRACING-
TOP CHORD	2x4 SP No.2	TOP CHORD
BOT CHORD	2x4 SP No.2	BOT CHORD
		Structural wood sheathing directly applied or 1-0-0 oc purlins.
		Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
 Max Horiz 2=49(LC 12)
 Max Uplift 3=-13(LC 1), 2=-87(LC 12), 4=-32(LC 1)
 Max Grav 3=16(LC 12), 2=224(LC 1), 4=30(LC 12)

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 Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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, 2, 4.



March 15, 2021



WARNING: Velly design parameters are listed below and included with the key reference to AISC M17-13, 161, 319/2020 for ONE 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 BCS1 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	Truss	Truss Type	Qty	Ply	Pscheco	T23186582
PSCHECO	PB01	Piggyback	1	1		
Job Reference (optional)						

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:59 2021 Page 1

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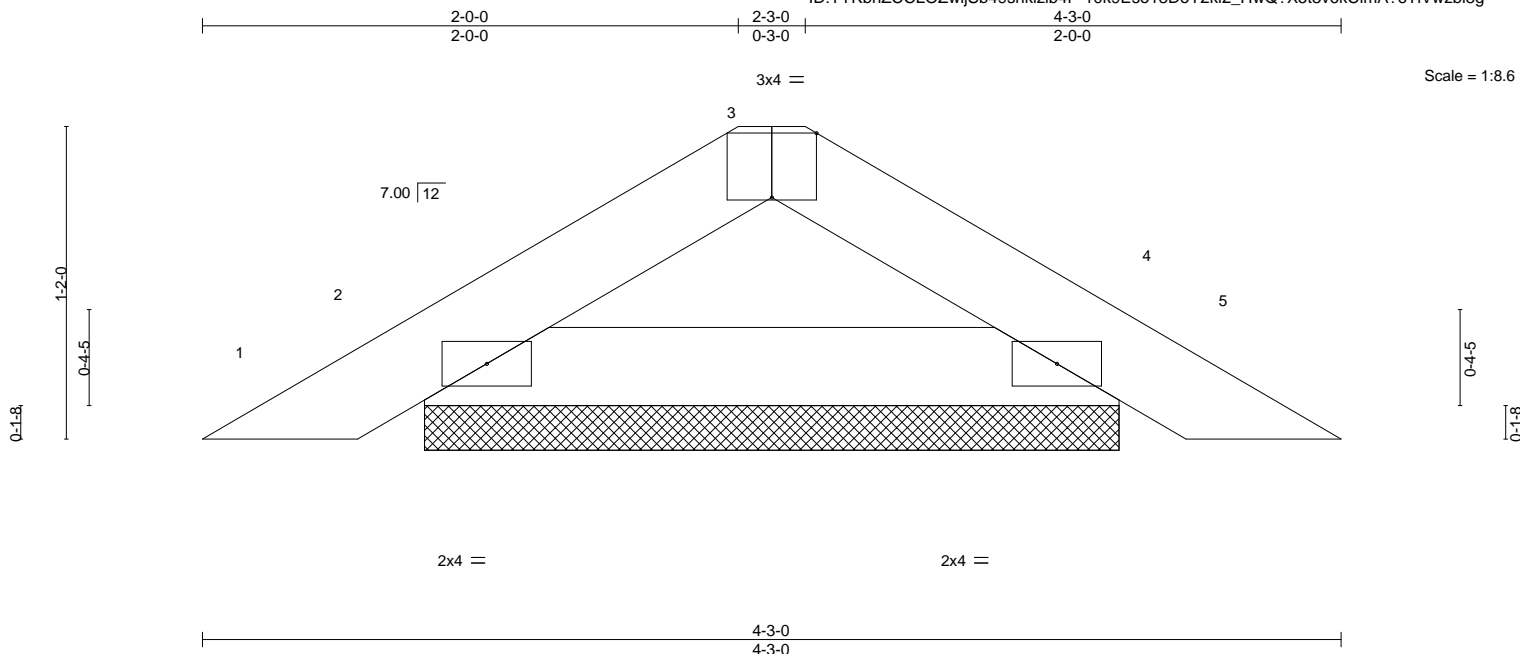


Plate Offsets (X,Y)--		[3:0-2-0,Edge]		4-3-0		4-3-0	
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc) l/defl L/d
TCLL 20.0		Plate Grip DOL	1.25	TC 0.02		Vert(LL) 0.00	4 n/r 120
TCDL 10.0		Lumber DOL	1.25	BC 0.08		Vert(CT) 0.00	4 n/r 120
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT) 0.00	4 n/a n/a
BCDL 10.0		Code FBC2020/TPI2014		Matrix-P			
				PLATES		GRIP	
				MT20		244/190	
				Weight: 11 lb		FT = 0%	

LUMBER-

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

BRACING-

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

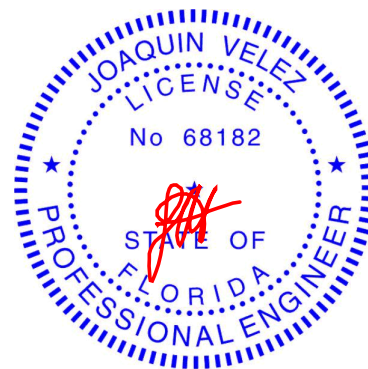
REACTIONS.

(size) 2=2-7-2, 4=2-7-2
Max Horz 2=18(LC 10)
Max Uplift 2=13(LC 12), 4=13(LC 12)
Max Grav 2=136(LC 1), 4=136(LC 1)

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

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=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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.
- Gable requires continuous bottom chord bearing.
- 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) 2, 4.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

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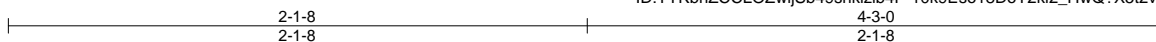


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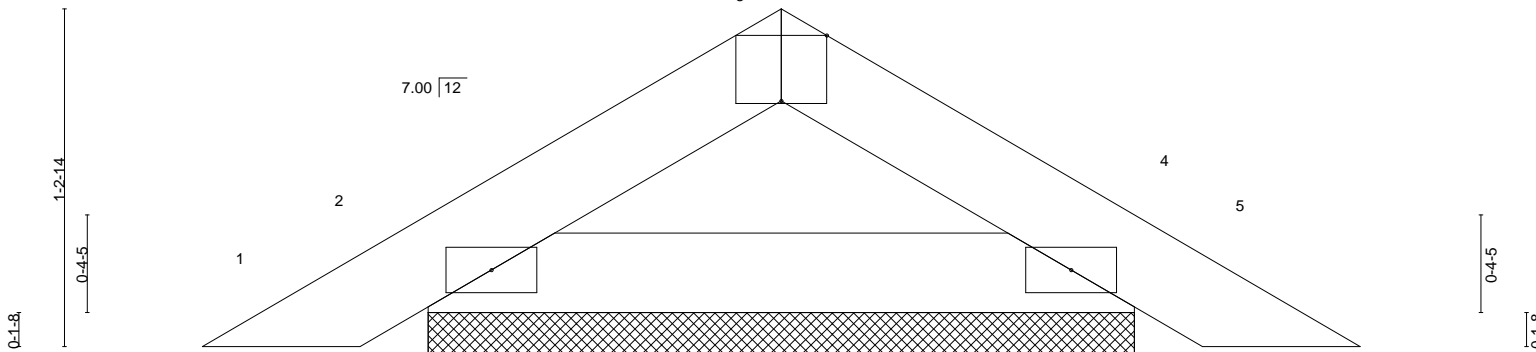
Job	Truss	Truss Type	Qty	Ply	Pscheco	T23186583
PSCHECO	PB02	Piggyback	6	1		

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

8.430 s Mar 4 2021 MiTek Industries, Inc. Fri Mar 12 09:54:59 2021 Page 1
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Scale = 1:8.5



2x4 =

2x4 =

4-3-0
4-3-0

Plate Offsets (X,Y)--		[3:0-2-0,Edge]										
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.02	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 11 lb	FT = 0%

LUMBER-

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

BRACING-

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

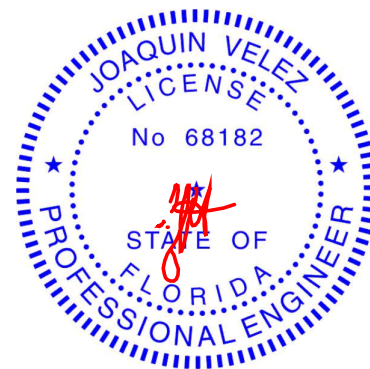
REACTIONS.

(size) 2=2-7-2, 4=2-7-2
Max Horz 2=19(LC 11)
Max Uplift 2=13(LC 12), 4=13(LC 12)
Max Grav 2=136(LC 1), 4=136(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; 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 Interior(1) 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) Gable requires continuous bottom chord bearing.
- 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) 2, 4.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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March 15,2021

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

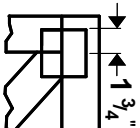
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



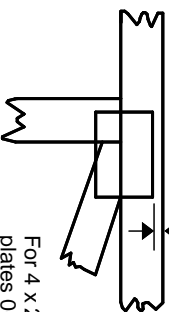
6904 Parke East Blvd.
Tampa, FL 36610

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- 1/16" from outside edge of truss.



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

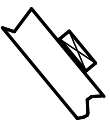
*** Plate location details available in MITek 20/20 software or upon request.**

PLATE SIZE

4 X 4

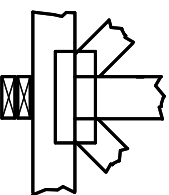
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



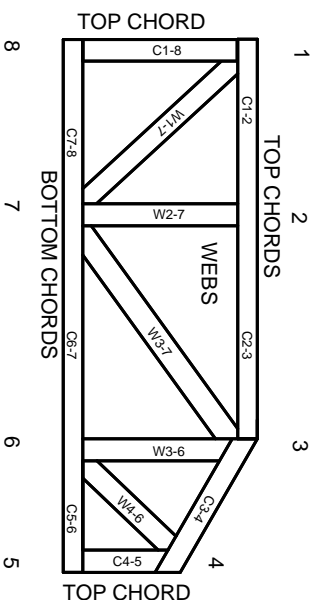
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: 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.