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

RE: 2561776 - WCH - CALDWELL RES.

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

Site Information:
Customer Info: Project Name: Model:
Lot/Block: Subdivision:
Address:
City: State:

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

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

Design Code: FBC2017/TPI2014
Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10
Wind Speed: 130 mph
Roof Load: 37.0 psf
Floor Load: N/A psf

This package includes 28 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	T22105335	CJ01	12/8/20	23	T22105357	T15	12/8/20
2	T22105336	CJ03	12/8/20	24	T22105358	T16	12/8/20
3	T22105337	CJ05	12/8/20	25	T22105359	T17	12/8/20
4	T22105338	EJ01	12/8/20	26	T22105360	T17G	12/8/20
5	T22105339	EJ02	12/8/20	27	T22105361	T18	12/8/20
6	T22105340	HJ04	12/8/20	28	T22105362	T19	12/8/20
7	T22105341	HJ10	12/8/20				
8	T22105342	T01	12/8/20				
9	T22105343	T01G	12/8/20				
10	T22105344	T02	12/8/20				
11	T22105345	T03	12/8/20				
12	T22105346	T03G	12/8/20				
13	T22105347	T04	12/8/20				
14	T22105348	T05	12/8/20				
15	T22105349	T06	12/8/20				
16	T22105350	T07	12/8/20				
17	T22105351	T08	12/8/20				
18	T22105352	T09	12/8/20				
19	T22105353	T11	12/8/20				
20	T22105354	T12	12/8/20				
21	T22105355	T13	12/8/20				
22	T22105356	T14	12/8/20				

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Jacksonville.

Truss Design Engineer's Name: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2021.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: December 8,2020

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

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.
2561776	CJ01	Jack-Open	14	1	T22105335
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 06:31:35 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-9Tx?B7xE8eP3ADohi93sLj8lY7A8qo0kxkHNJJyB4as

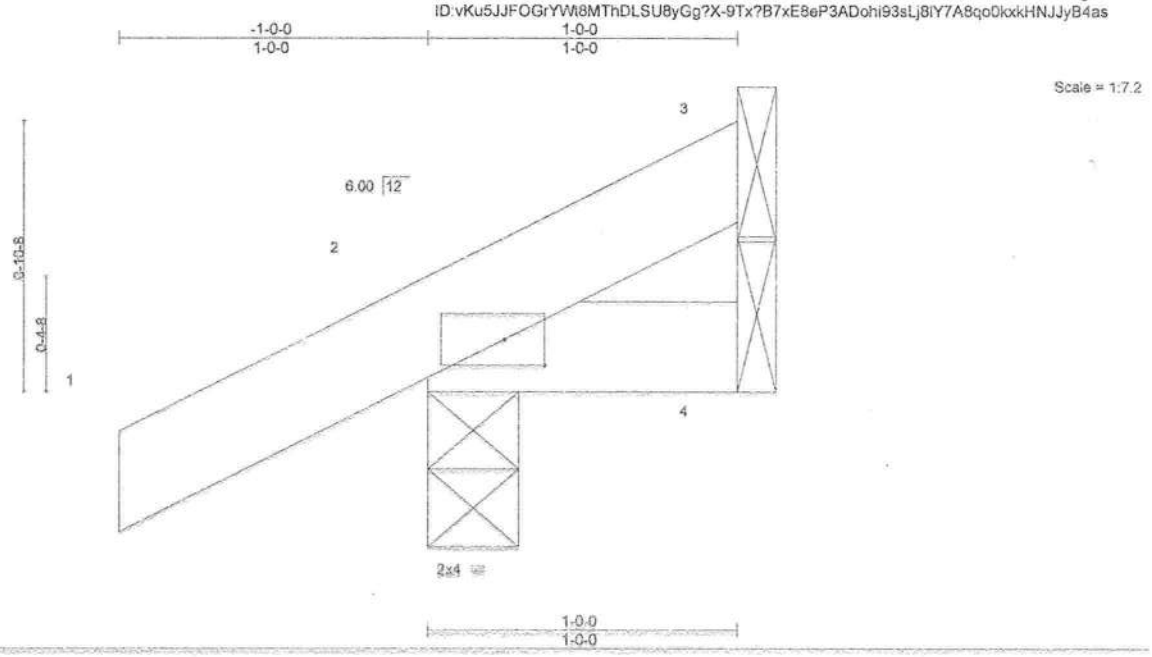


Plate Offsets (X,Y)-- [2:0-1-9,0-1-0]

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	0.08	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 5 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-0-0 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=48(LC 12)
Max Uplift 3=-9(LC 12), 2=-69(LC 12), 4=-6(LC 9)
Max Grav 3=9(LC 1), 2=118(LC 1), 4=13(LC 16)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

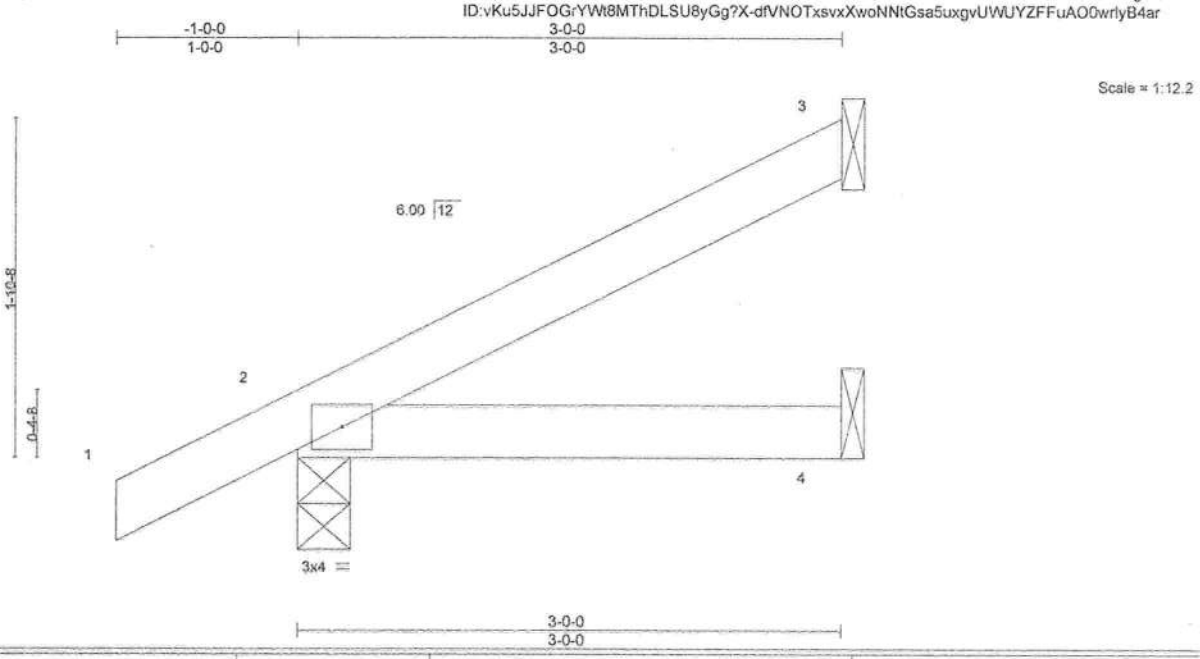
Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 8,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.	T22105336
2561776	CJ03	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:36 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-dfVNOTxsvxXwoNNtGsa5uxgvUWUYZFFuAO0wrlyB4ar



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.13	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 FBC2017/TPI2014		Matrix-MP							Weight: 11 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 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=99(LC 12)
Max Uplift 3=-63(LC 12), 2=-78(LC 12), 4=-30(LC 9)
Max Grav 3=65(LC 1), 2=172(LC 1), 4=51(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

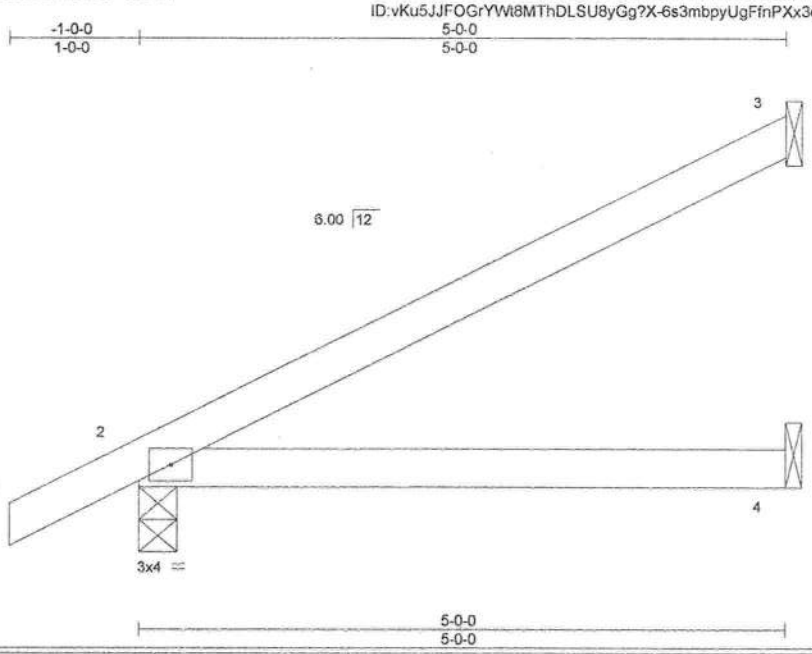
Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 8,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES. T22105337
2561776	CJ05	Jack-Open	2	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:37 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-6s3mbpyUgFfnPXx3qa6KR8D?5wm7liV1O2mUOCyB4aq



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.46	Vert(LL) 0.10 4-7 >585 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.43	Vert(CT) 0.09 4-7 >664 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00 3 n/a n/a	
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MP		Weight: 18 lb FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 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=151(LC 12)
Max Uplift 3=-113(LC 12), 2=-102(LC 9), 4=-52(LC 9)
Max Grav 3=116(LC 1), 2=242(LC 1), 4=89(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=113, 2=102.

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

December 8,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.	T22105338
2561776	EJ01	Jack-Partial	20	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:38 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-a2d8p9z6RZne1hWGOHdZzMmBbK?d19lAdiV1weyB4ap

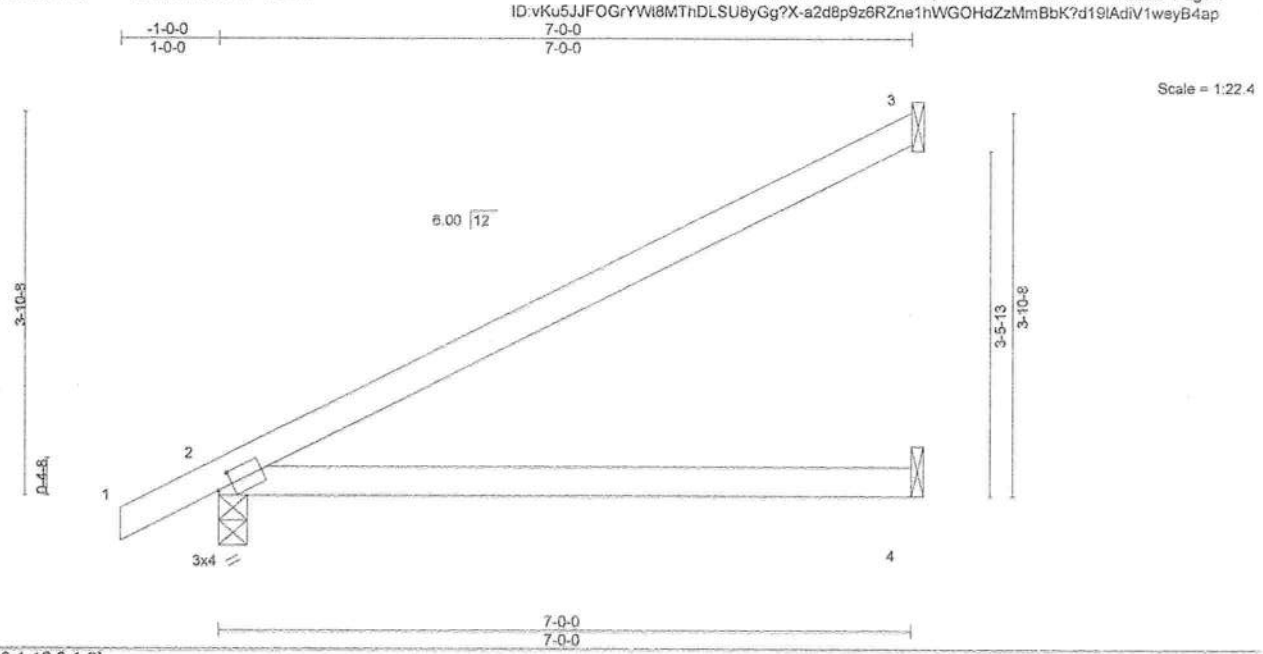


Plate Offsets (X,Y)-- [2:0-1-13,0-1-8]

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	0.41	Vert(LL)	0.35	4-7	>240	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	0.30	4-7	>274	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 24 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=203(LC 12)
Max Uplift 3=-166(LC 12), 2=-136(LC 9), 4=-69(LC 9)
Max Grav 3=171(LC 1), 2=315(LC 1), 4=122(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=166, 2=136.

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

December 8,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.	T22105339
2561776	EJ02	Jack-Partial	35	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:39 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-2EBW0V_kCsvVfr5Sx_8oWZIRYkW4mcSKsMFbS4yB4ao

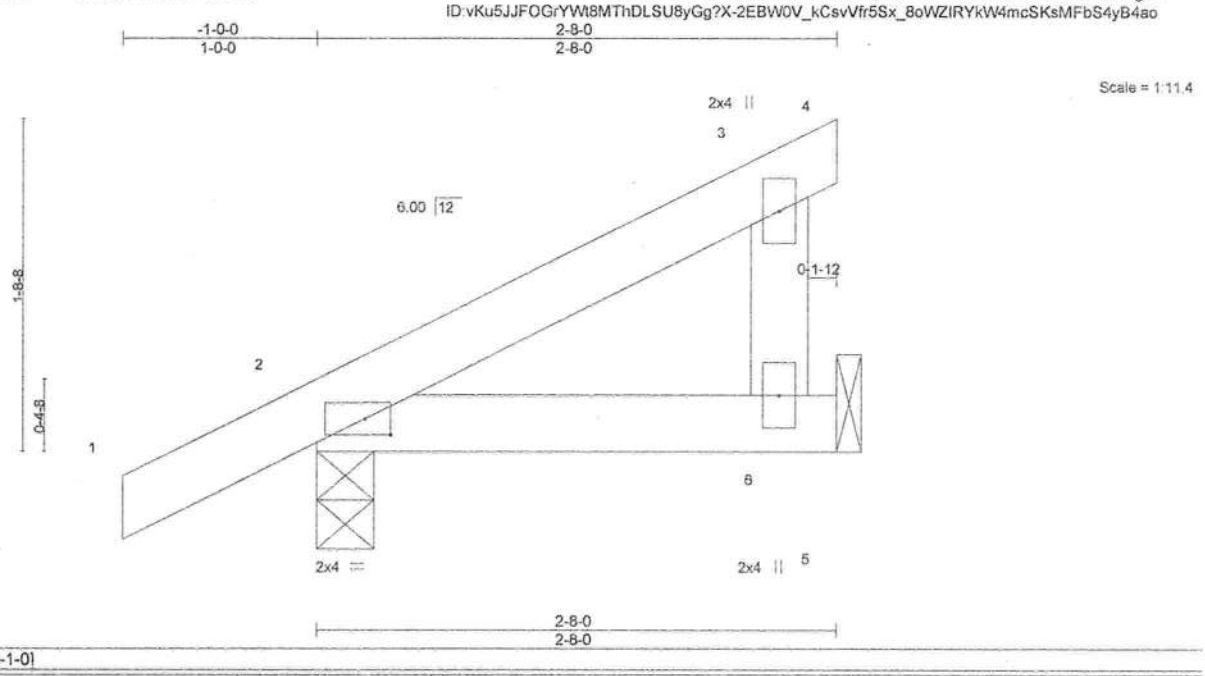


Plate Offsets (X,Y)-- [2:0-1-9,0-1-0]

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	0.08	Vert(LL)	0.00	9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.00	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=Mechanical
Max Horz 2=91(LC 12)
Max Uplift 2=-69(LC 12), 6=-66(LC 12)
Max Grav 2=153(LC 1), 6=87(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.

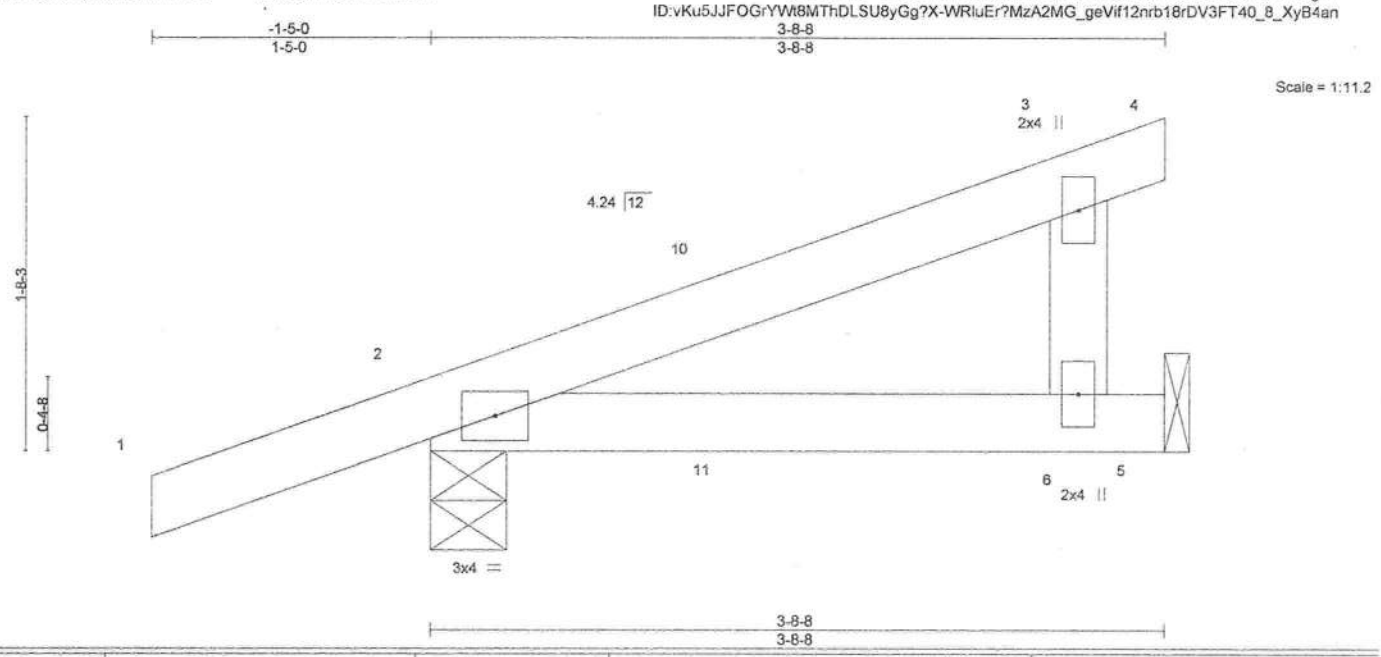
Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 8,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.	T22105340
2561776	HJ04	Diagonal Hip Girder	6	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:40 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-WRluEr?MzA2MG_geVif12nrb18rDV3FT40_8_XyB4an



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	0.02	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.02	6-9	>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 FBC2017/TPI2014		Matrix-MP							Weight: 15 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 2=0-4-9, 5=Mechanical
Max Horz 2=102(LC 4)
Max Uplift 2=-207(LC 4), 5=-110(LC 4)
Max Grav 2=221(LC 1), 5=120(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=207, 5=110.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 79 lb down and 14 lb up at 1-6-1, and 79 lb down and 14 lb up at 1-6-1 on top chord, and 42 lb down and 10 lb up at 1-6-1, and 42 lb down and 10 lb up at 1-6-1 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) 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=-54, 3-4=-54, 5-7=-20
Concentrated Loads (lb)
Vert: 11=8(F=4, B=4)

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

December 8,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.	T22105341
2561776	HJ10	Diagonal Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:41 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-_dtGRB?_kUADu8Fq3PAGb_OfzX40EP7dJgkhXzyB4am

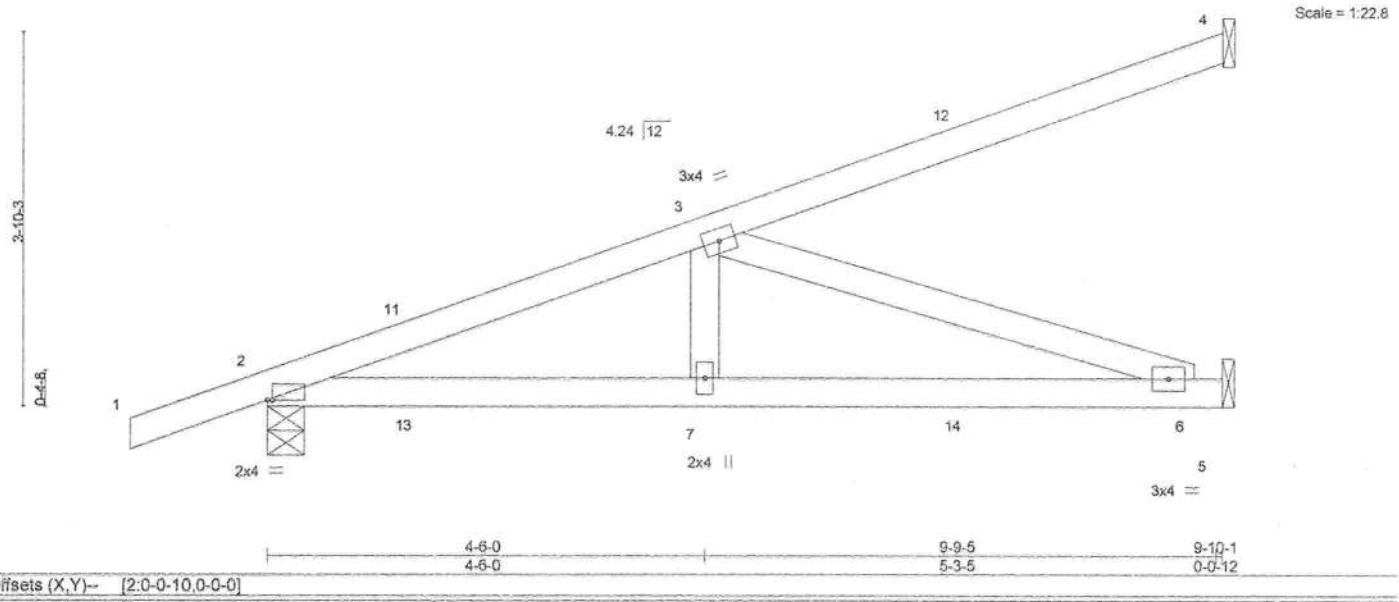


Plate Offsets (X,Y)-- [2:0-0-10,0-0-0]

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	0.60	Vert(LL)	0.12	6-7	>987	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.12	6-7	>984	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.47	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 42 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

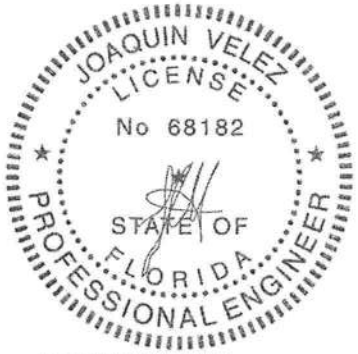
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-4-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=215(LC 4)
Max Uplift 4=-152(LC 8), 2=-414(LC 4), 5=-297(LC 4)
Max Grav 4=151(LC 1), 2=485(LC 1), 5=318(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-853/654
BOT CHORD 2-7=-746/783, 6-7=-746/783
WEBS 3-7=-156/285, 3-6=-824/785

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=152, 2=414, 5=297.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 79 lb down and 14 lb up at 1-6-1, 79 lb down and 14 lb up at 1-6-1, 31 lb down and 63 lb up at 4-4-0, 31 lb down and 63 lb up at 4-4-0, and 54 lb down and 121 lb up at 7-1-15, and 54 lb down and 121 lb up at 7-1-15 on top chord, and 42 lb down and 10 lb up at 1-6-1, 42 lb down and 10 lb up at 1-6-1, 21 lb down and 39 lb up at 4-4-0, 21 lb down and 39 lb up at 4-4-0, and 43 lb down and 68 lb up at 7-1-15, and 43 lb down and 68 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) 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=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 3=-1(F=-1, B=-1) 7=-15(F=-8, B=-8) 12=-79(F=-39, B=-39) 13=8(F=4, B=4) 14=-66(F=-33, B=-33)



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

December 8,2020

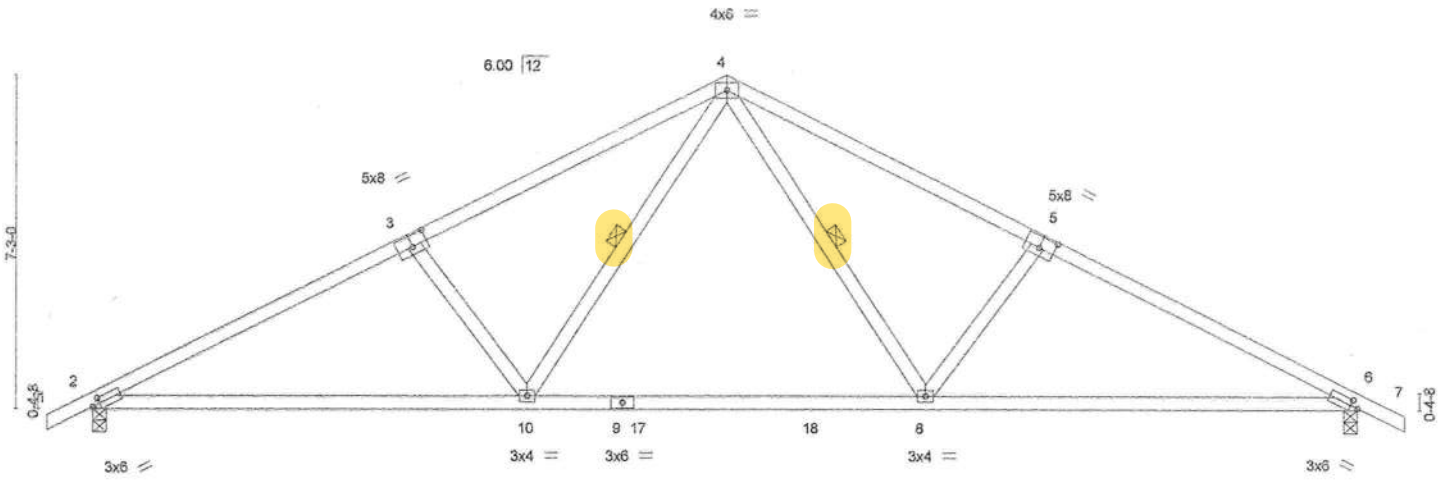
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES. T22105342
2561776	T01	Common	3	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:42 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-SpsffW0dVnI4Wlq1d7hV7CwlyxMwzuBmYKTF3PyB4al

1-0-0	6-11-14	13-9-0	20-6-2	27-6-0	28-6-0
1-0-0	6-11-14	6-9-2	6-9-2	6-11-14	1-0-0

Scale: 1/4"=1'



9-5-1	18-0-15	27-6-0
9-5-1	8-7-14	9-5-1

Plate Offsets (X,Y)-- [2:0-1-15,0-1-8], [3:0-4-0,0-3-0], [5:0-4-0,0-3-0], [6:0-1-15,0-1-8]

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	0.90	Vert(LL)	0.44	8-16	>755	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.37	8-16	>891	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 126 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-9-9 oc bracing.
WEBS 1 Row at midpt 4-8, 4-10

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-166(LC 13)
Max Uplift 2=-527(LC 9), 6=-527(LC 8)
Max Grav 2=1071(LC 1), 6=1071(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1775/2267, 3-4=-1574/2216, 4-5=-1574/2216, 5-6=-1775/2267
BOT CHORD 2-10=-1910/1548, 8-10=-1110/1014, 6-8=-1914/1548
WEBS 4-8=-994/604, 5-8=-392/474, 4-10=-994/604, 3-10=-392/474

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) except (jt=lb) 2=527, 6=527.

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

December 8,2020

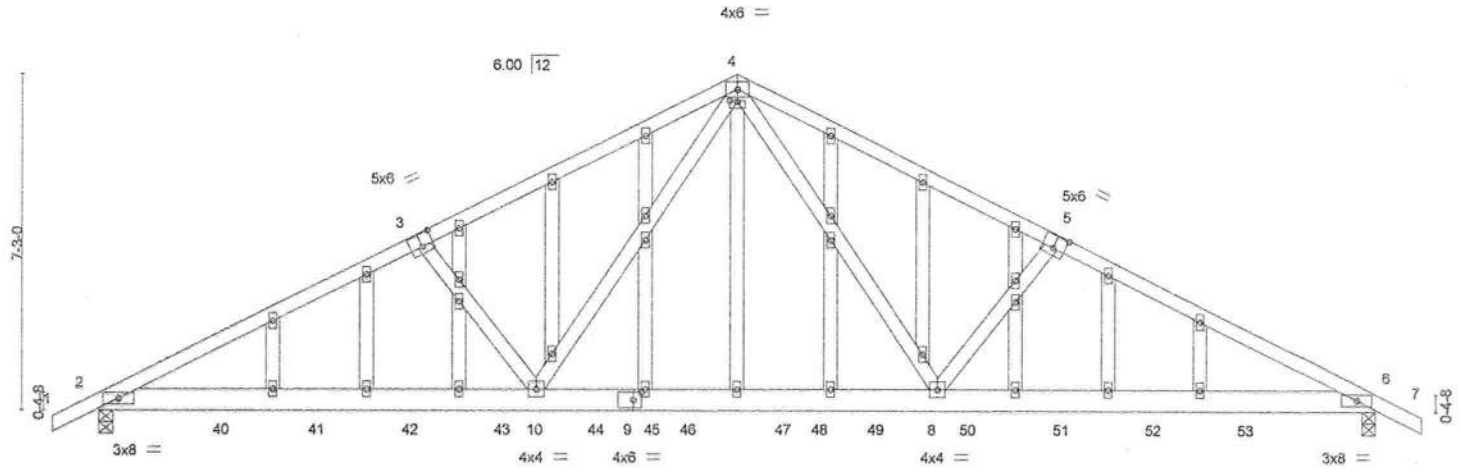
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.	T22105343
2561776	T01G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:44 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-OC_P3C2t0PYolc_PkYkzDd06Wl8ORdq3?eyM7IyB4aj

1-0-0	6-11-14	13-9-0	20-6-2	27-6-0	28-6-0
1-0-0	6-11-14	6-9-2	6-9-2	6-11-14	1-0-0

Scale: 1/4"=1'



9-5-1	18-0-15	27-6-0
9-5-1	8-7-14	9-5-1

Plate Offsets (X,Y)-- [3:0-3-0,0-3-4], [4:0-2-0,0-0-4], [5:0-3-0,0-3-4], [9:0-2-0,0-2-0]

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	0.83	Vert(LL)	0.27	10-37	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.29	8-39	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 208 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 7-6-10 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-166(LC 28)
Max Uplift 2=-1015(LC 8), 6=-1014(LC 9)
Max Grav 2=1566(LC 1), 6=1565(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2591/1610, 3-4=-2394/1567, 4-5=-2395/1568, 5-6=-2592/1611
BOT CHORD 2-10=-1491/2283, 8-10=-836/1514, 6-8=-1326/2284
WEBS 4-8=-787/1036, 5-8=-386/397, 4-10=-785/1034, 3-10=-386/397

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1015, 6=1014.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 159 lb down and 227 lb up at 2-8-0, 67 lb down and 85 lb up at 4-8-12, 67 lb down and 85 lb up at 6-8-12, 67 lb down and 85 lb up at 8-8-12, 67 lb down and 85 lb up at 10-8-12, 67 lb down and 85 lb up at 12-8-12, 67 lb down and 85 lb up at 14-9-4, 67 lb down and 85 lb up at 16-9-4, 67 lb down and 85 lb up at 18-9-4, 67 lb down and 85 lb up at 20-9-4, and 67 lb down and 85 lb up at 22-9-4, and 159 lb down and 227 lb up at 24-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) 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=-54, 4-7=-54, 2-6=-20

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: December 8,2020

Continued on page 2

LOAD CASE(S) Standard

Concentrated Loads (lb)

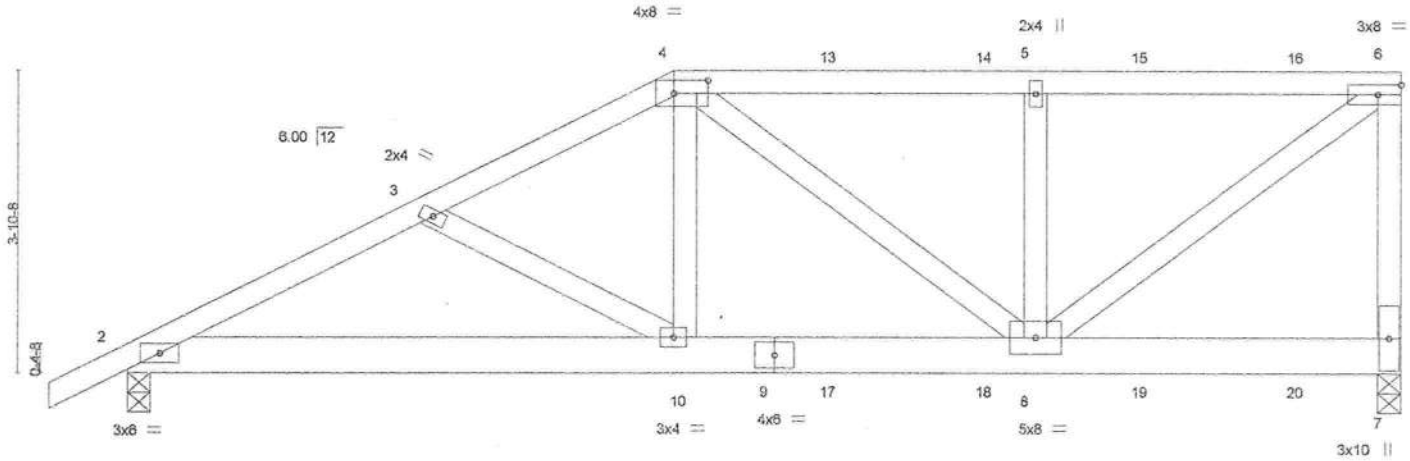
Vert: 40=-159(F) 41=-67(F) 42=-67(F) 43=-67(F) 44=-67(F) 46=-67(F) 47=-67(F) 49=-67(F) 50=-67(F) 51=-67(F) 52=-67(F) 53=-159(F)

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES. T22105344
2581778	T02	Half Hip Girder	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:45 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-tOYnHY2VnigfNmZcIFFClqYLm9UkA6oCElivgkyB4ai

-1-0-0 | 3-10-15 | 7-0-0 | 11-7-12 | 16-3-8
1-0-0 | 3-10-15 | 3-1-1 | 4-7-12 | 4-7-12

Scale = 1:28.4



7-0-0 | 11-7-12 | 16-3-8
7-0-0 | 4-7-12 | 4-7-12

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0]

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	0.61	Vert(LL)	0.10	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.09	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.88	Horz(CT)	-0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 100 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-10-15 oc bracing.

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=206(LC 8)
Max Uplift 7=-1203(LC 5), 2=-829(LC 5)
Max Grav 7=1336(LC 1), 2=1096(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1988/1599, 3-4=-1815/1551, 4-5=-1340/1203, 5-6=-1340/1203, 6-7=-1225/1105
BOT CHORD 2-10=-1516/1758, 8-10=-1434/1615
WEBS 4-10=-542/672, 4-8=-345/311, 5-8=-593/553, 6-8=-1488/1658

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=1203, 2=829.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 136 lb down and 166 lb up at 7-0-0, 117 lb down and 166 lb up at 9-0-12, 117 lb down and 160 lb up at 11-0-12, and 117 lb down and 166 lb up at 13-0-12, and 117 lb down and 166 lb up at 15-0-12 on top chord, and 351 lb down and 418 lb up at 7-0-0, 82 lb down and 89 lb up at 9-0-12, 82 lb down and 89 lb up at 11-0-12, and 82 lb down and 89 lb up at 13-0-12, and 82 lb down and 89 lb up at 15-0-12 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=-54, 4-6=-54, 2-7=-20
Concentrated Loads (lb)
Vert: 4=-117(F) 10=-351(F) 13=-117(F) 14=-117(F) 15=-117(F) 16=-117(F) 17=-61(F) 18=-61(F) 19=-61(F) 20=-61(F)

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 8,2020

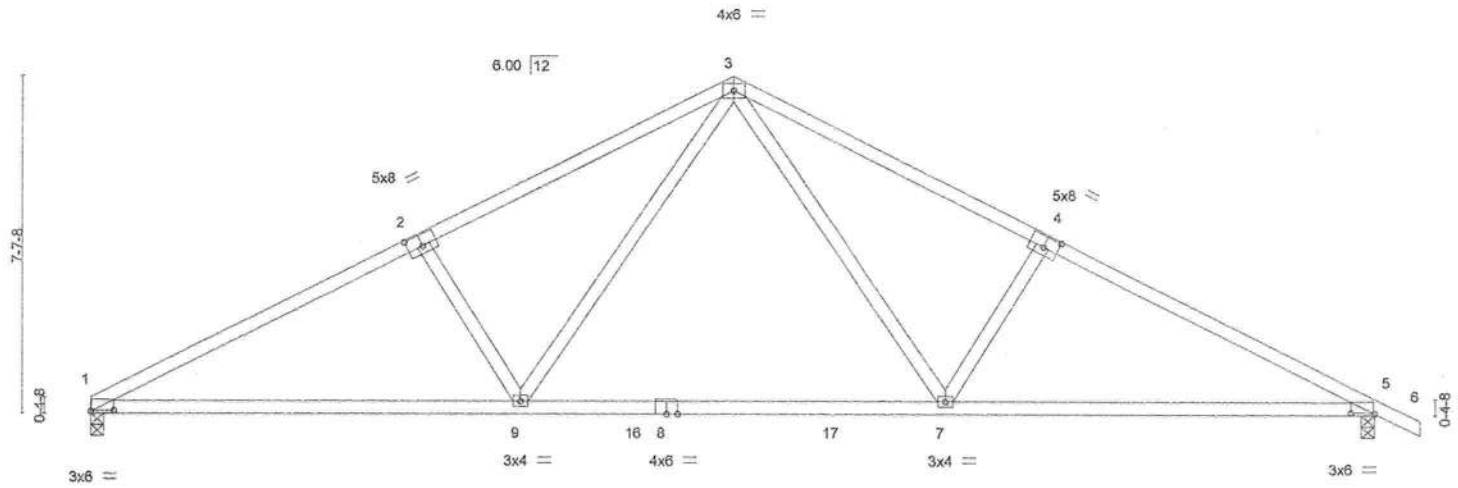
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.
2561776	T03	Common	4	1	T22105345
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:47 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-pngYiE4iJKwNc3i_PgHgqFegSy2be4VVicB0kdyB4ag

7-5-15	14-6-0	21-6-1	29-0-0	30-0-0
7-5-15	7-0-1	7-0-1	7-5-15	1-0-0

Scale = 1:50.1



9-8-4	19-3-12	29-0-0
9-8-4	9-7-8	9-8-4

Plate Offsets (X,Y)-- [1:0-6-4,0-0-3], [2:0-4-0,0-3-0], [4:0-4-0,0-3-0], [5:0-6-4,0-0-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.38	7-9	>913	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.53	7-9	>658	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.06	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 131 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=-186(LC 13)
Max Uplift 1=-445(LC 12), 5=-482(LC 13)
Max Grav 1=1072(LC 1), 5=1128(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1880/1125, 2-3=-1698/1115, 3-4=-1694/1112, 4-5=-1876/1121
BOT CHORD 1-9=-868/1638, 7-9=-411/1069, 5-7=-863/1633
WEBS 3-7=-402/679, 4-7=-407/447, 3-9=-408/683, 2-9=-410/450

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=445, 5=482.

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

December 8,2020

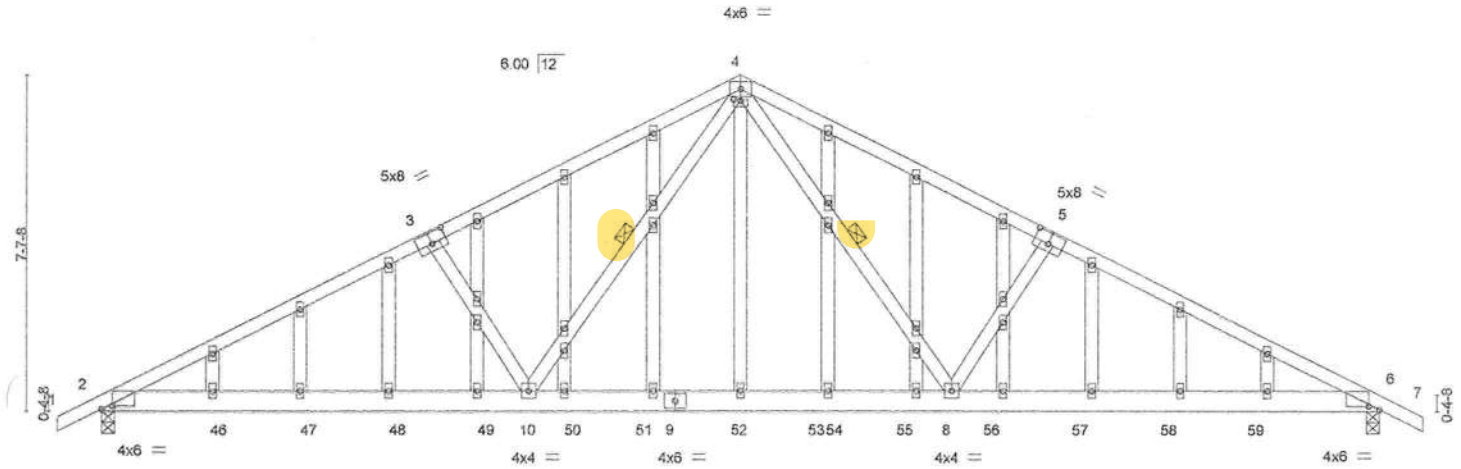
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES. T22105346
2561776	T03G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:49 2020 Page 1
ID:vKu5JJFOGrYWl8MThDLSU8yGg?X-lAnI7w60rxA4sNsNX5J8wgjzkms861do9wg7pVyB4ae

1-0-0	7-5-15	14-6-0	21-6-1	29-0-0	30-0-0
1-0-0	7-5-15	7-0-1	7-0-1	7-5-15	1-0-0

Scale = 1:50.4



9-8-4	19-3-12	29-0-0
9-8-4	9-7-8	9-8-4

Plate Offsets (X,Y)-- [2:0-2-15,0-0-14], [3:0-4-0,0-3-0], [4:0-2-0,0-0-4], [5:0-4-0,0-3-0], [6:0-2-15,0-0-14]

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	0.80	Vert(LL)	0.29	10-43	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.31	8-45	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 226 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31 *Except*
1-3,5-7: 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-6 oc bracing.
WEBS 1 Row at midpt 4-8, 4-10

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=175(LC 8)
Max Uplift 2=-1073(LC 8), 6=-1073(LC 9)
Max Grav 2=1654(LC 1), 6=1655(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2762/1718, 3-4=-2584/1708, 4-5=-2589/1712, 5-6=-2767/1722
BOT CHORD 2-10=-1586/2430, 8-10=-887/1600, 6-8=-1415/2434
WEBS 4-8=-881/1152, 5-8=-397/409, 4-10=-873/1145, 3-10=-397/409

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1073, 6=1073.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 159 lb down and 227 lb up at 2-8-0, 67 lb down and 85 lb up at 4-8-12, 67 lb down and 85 lb up at 6-8-12, 67 lb down and 85 lb up at 8-8-12, 67 lb down and 85 lb up at 10-8-12, 67 lb down and 85 lb up at 12-8-12, 67 lb down and 85 lb up at 14-6-0, 67 lb down and 85 lb up at 16-3-4, 67 lb down and 85 lb up at 18-3-4, 67 lb down and 85 lb up at 20-3-4, 67 lb down and 85 lb up at 22-3-4, and 67 lb down and 85 lb up at 24-3-4, and 159 lb down and 227 lb up at 26-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) 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

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 8,2020

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

LOAD CASE(S) Standard

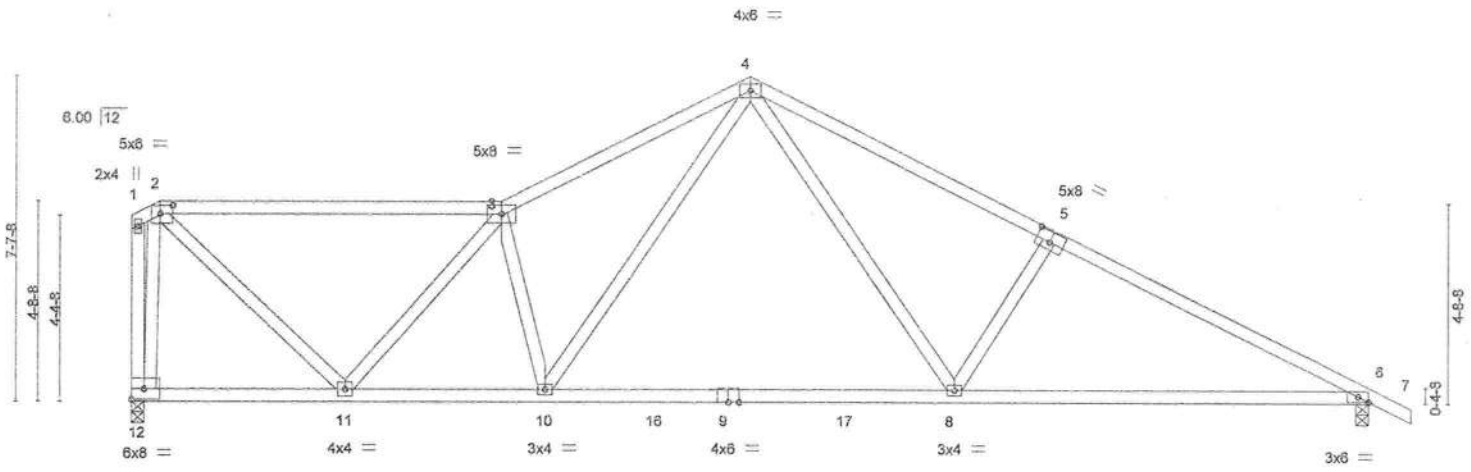
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-7=-54, 2-6=-20
   Concentrated Loads (lb)
   Vert: 9=-67(B) 46=-159(B) 47=-67(B) 48=-67(B) 49=-67(B) 50=-67(B) 52=-67(B) 53=-67(B) 55=-67(B) 56=-67(B) 57=-67(B) 58=-67(B) 59=-159(B)

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.	T22105347
2561776	T04	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:50 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-DMLgKF6ecFIxTXRZ5oqNSuF7RA2brREx0aPgLxyB4ad

0-8-0	8-8-0	14-6-0	21-6-1	29-0-0	30-0-0
0-8-0	8-0-0	5-10-0	7-0-1	7-5-15	1-0-0

Scale = 1:52.1



4-11-14	9-8-4	19-3-12	29-0-0
4-11-14	4-8-6	9-7-8	9-8-4

Plate Offsets (X,Y)-- [2:0-3-8,0-2-4], [5:0-4-0,0-3-0], [6:0-2-15,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	0.87	Vert(LL)	-0.34	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.54	8-10	>646	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 159 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 12=0-3-8, 6=0-3-8
Max Horz 12=-306(LC 13)
Max Uplift 12=-457(LC 12), 6=-471(LC 13)
Max Grav 12=1067(LC 1), 6=1123(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-916/528, 3-4=-1642/1019, 4-5=-1687/1057, 5-6=-1869/1066, 1-12=-255/246
BOT CHORD 11-12=-25/295, 10-11=-620/1493, 8-10=-358/1053, 6-8=-815/1627
WEBS 2-11=-583/1077, 3-11=-905/574, 3-10=-407/341, 4-10=-336/674, 4-8=-408/684, 5-8=-406/450, 2-12=-1265/840

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=457, 6=471.

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

December 8,2020

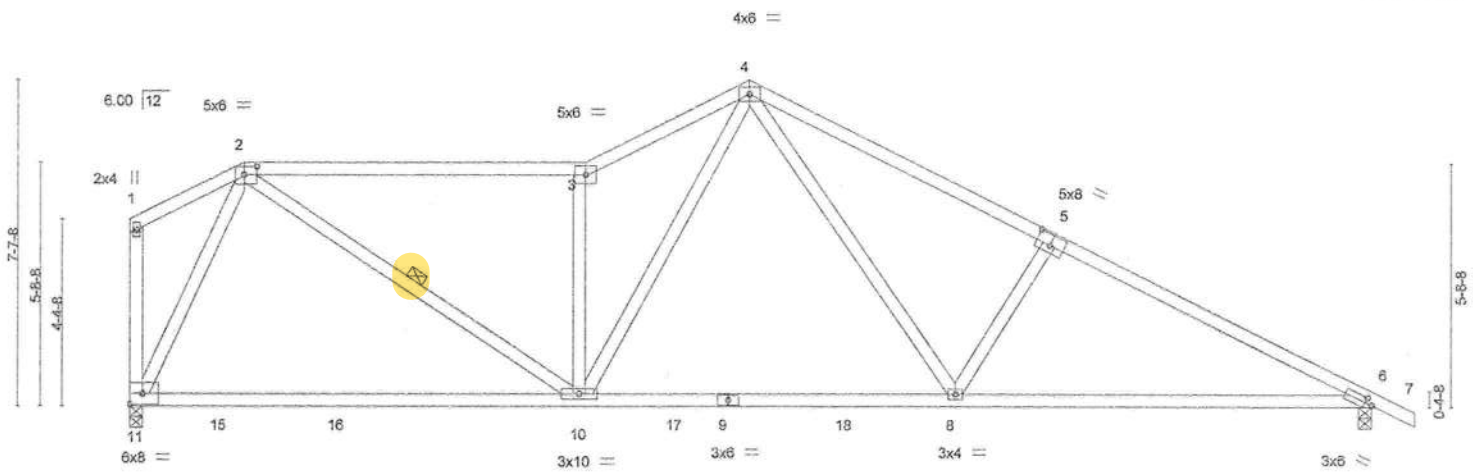
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES	
2561776	T05	Roof Special	1	1	Job Reference (optional)	T22105348

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:52 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-9kTRlx8u8sYfjqbyCDtrXJLW2zl7JJ5EruunQqyB4ab

2-8-0	10-8-0	14-6-0	21-6-1	29-0-0	30-0-0
2-8-0	8-0-0	3-10-0	7-0-1	7-5-15	1-0-0

Scale = 1:51.9



10-8-0	19-3-12	29-0-0
10-8-0	8-7-12	9-8-4

Plate Offsets (X,Y)-- [2:0-3-8,0-2-4], [5:0-4-0,0-3-0], [6:0-1-15,0-1-8]

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	0.67	Vert(LL)	-0.32	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.66	10-11	>527	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 158 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
2-3: 2x4 SP M 31
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-15 oc bracing.
WEBS 1 Row at midpt 2-10

REACTIONS. (size) 11=0-3-8, 6=0-3-8
Max Horz 11=-306(LC 13)
Max Uplift 11=-457(LC 12), 6=-471(LC 13)
Max Grav 11=1067(LC 1), 6=1123(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1356/837, 3-4=-1594/1024, 4-5=-1680/1056, 5-6=-1862/1065
BOT CHORD 10-11=-151/518, 8-10=-348/1058, 6-8=-814/1622
WEBS 2-10=-586/1096, 3-10=-1011/723, 4-10=-368/737, 4-8=-421/651, 5-8=-407/454, 2-11=-1045/676

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=457, 6=471.

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

December 8,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES. T22105349
2561776	T06	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:53 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-ex1pyH9WvAgWK_A8mxO44WtcmN6_2lDO4YeKyGyB4aa

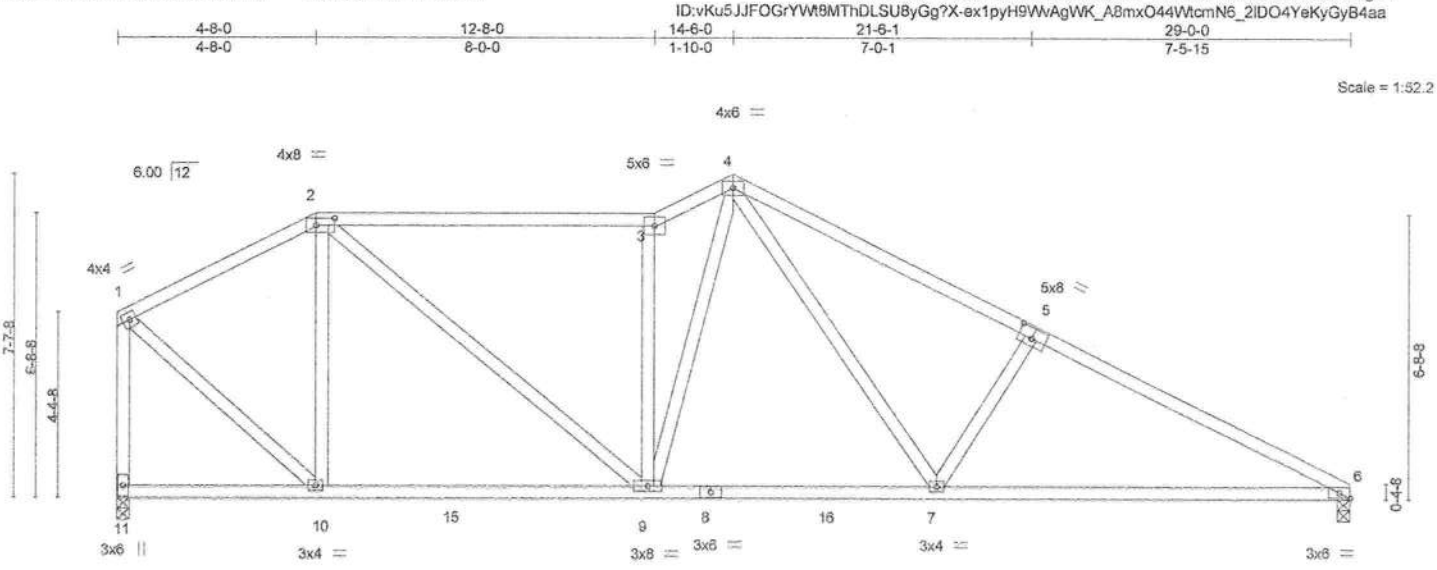


Plate Offsets (X,Y)-- [2:0-5-4,0-2-0], [5:0-4-0,0-3-0], [6:0-2-15,Edge]

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	0.99	Vert(LL)	-0.21	7-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.45	7-14	>767	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 167 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-3 oc bracing.

REACTIONS. (size) 11=0-3-8, 6=0-3-8
Max Horz 11=-284(LC 13)
Max Uplift 11=-457(LC 12), 6=-434(LC 13)
Max Grav 11=1068(LC 1), 6=1068(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-808/483, 2-3=-1204/811, 3-4=-1399/954, 4-5=-1684/1057, 5-6=-1867/1066, 1-11=-1038/624
BOT CHORD 10-11=-75/280, 9-10=-207/685, 7-9=-369/1064, 6-7=-841/1627
WEBS 2-10=-457/360, 2-9=-413/685, 3-9=-896/646, 4-9=-369/678, 4-7=-431/647, 5-7=-408/455, 1-10=-479/904

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=457, 6=434.

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

December 8,2020

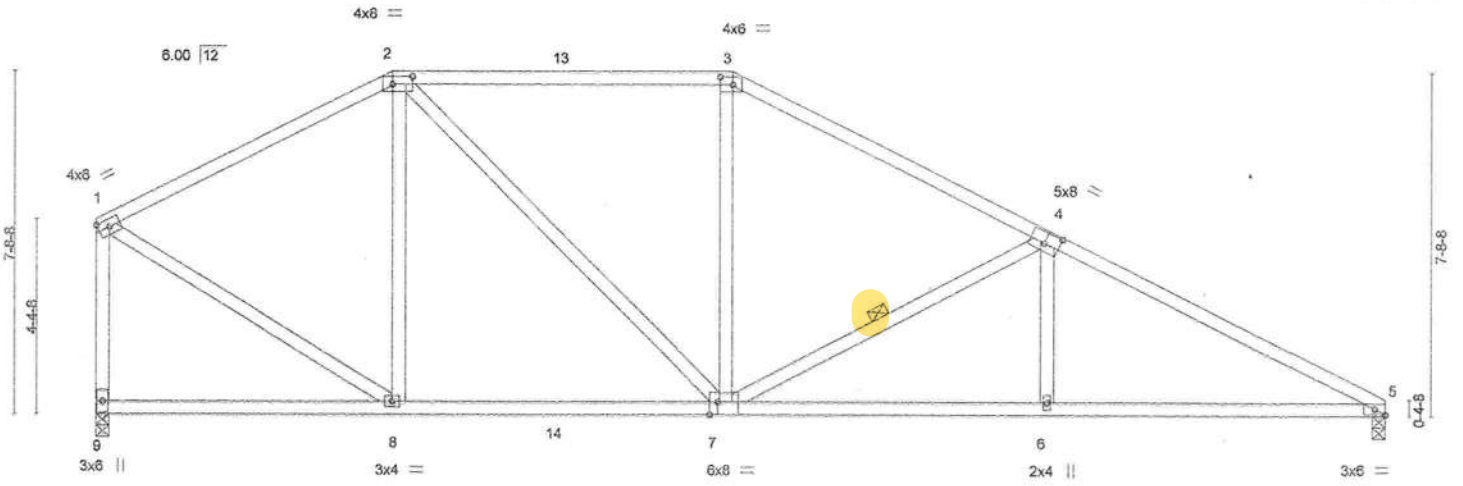
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.
2561776	T07	Hip	1	1	T22105350
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:54 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-67bBAd98gToNy8IKKevJdkQpLnVRnFLXJCNtUjyB4aZ

6-8-0 | 14-4-0 | 21-5-2 | 29-0-0
6-8-0 | 7-8-0 | 7-1-2 | 7-6-14

Scale = 1:49.9



6-8-0 | 14-4-0 | 21-5-2 | 29-0-0
6-8-0 | 7-8-0 | 7-1-2 | 7-6-14

Plate Offsets (X,Y)-- [2:0-5-4,0-2-0], [3:0-3-8,0-2-0], [4:0-4-0,0-3-0], [5:0-2-15,Edge], [7:0-2-4,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	0.87	Vert(LL)	0.14	6-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.21	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 160 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-11-8 oc bracing.
WEBS 1 Row at midpt 4-7

REACTIONS. (size) 9=0-3-8, 5=0-3-8
Max Horz 9=-286(LC 13)
Max Uplift 9=-405(LC 12), 5=-472(LC 13)
Max Grav 9=1068(LC 1), 5=1068(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-933/563, 2-3=-1058/767, 3-4=-1271/768, 4-5=-1918/1053, 1-9=-1009/634
BOT CHORD 8-9=-59/277, 7-8=-180/762, 6-7=-826/1650, 5-6=-826/1650
WEBS 2-8=-312/280, 2-7=-291/473, 3-7=-23/291, 4-7=-674/543, 4-6=0/316, 1-8=-444/872

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=405, 5=472.

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

December 8,2020

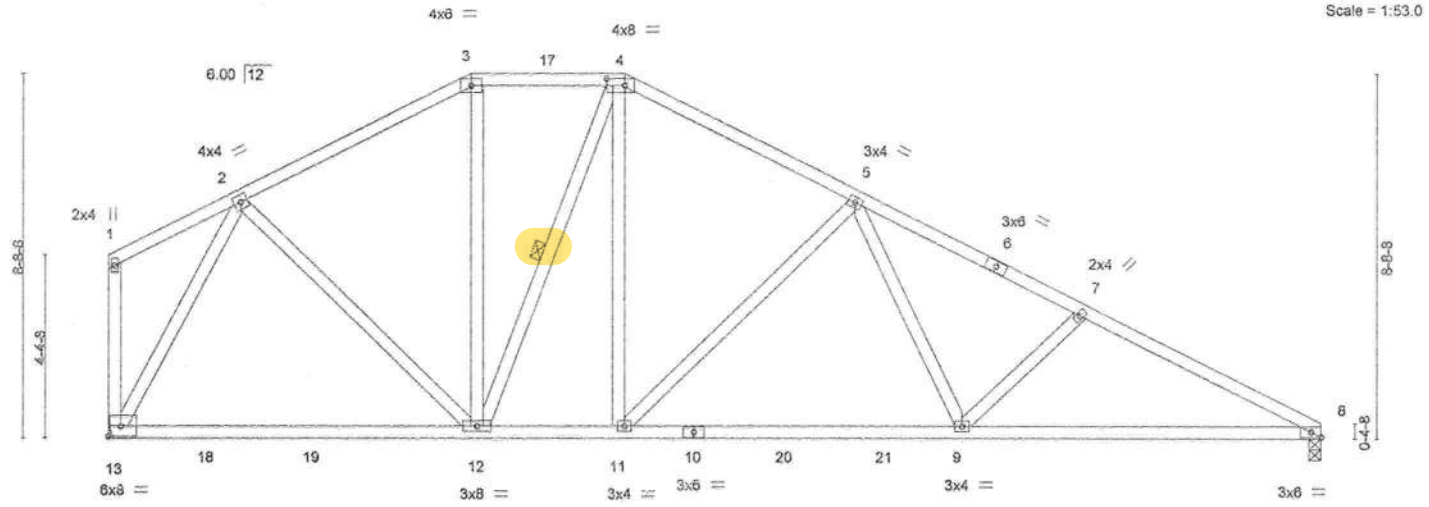
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.
2561776	T08	Hip	1	1	T22105351
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:55 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-aJ9ZNzAmRnwEaIKXtLQY9xz4aBpdWeyhXs7R09yB4aY

3-1-15	8-8-0	12-4-0	17-10-2	23-2-11	29-0-0
3-1-15	5-6-0	3-8-0	5-6-2	5-4-9	5-9-5

Scale = 1:53.0



8-8-0	12-4-0	20-4-15	29-0-0
8-8-0	3-8-0	8-0-14	8-7-1

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [8:0-2-15,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	0.46	Vert(LL)	-0.17	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.34	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 180 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-0 oc bracing.
WEBS 1 Row at midpt 4-12

REACTIONS. (size) 13=Mechanical, 8=0-3-8
Max Horz 13=-309(LC 13)
Max Uplift 13=-399(LC 12), 8=-466(LC 13)
Max Grav 13=1068(LC 1), 8=1068(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-952/646, 3-4=-789/643, 4-5=-1080/734, 5-7=-1738/1030, 7-8=-1945/1116
BOT CHORD 12-13=-178/517, 11-12=-242/907, 9-11=-587/1315, 8-9=-907/1706
WEBS 2-12=-129/404, 4-12=-371/250, 4-11=-318/504, 5-11=-588/495, 5-9=-207/482, 7-9=-298/330, 2-13=-1060/692

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=399, 8=466.

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

December 8,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

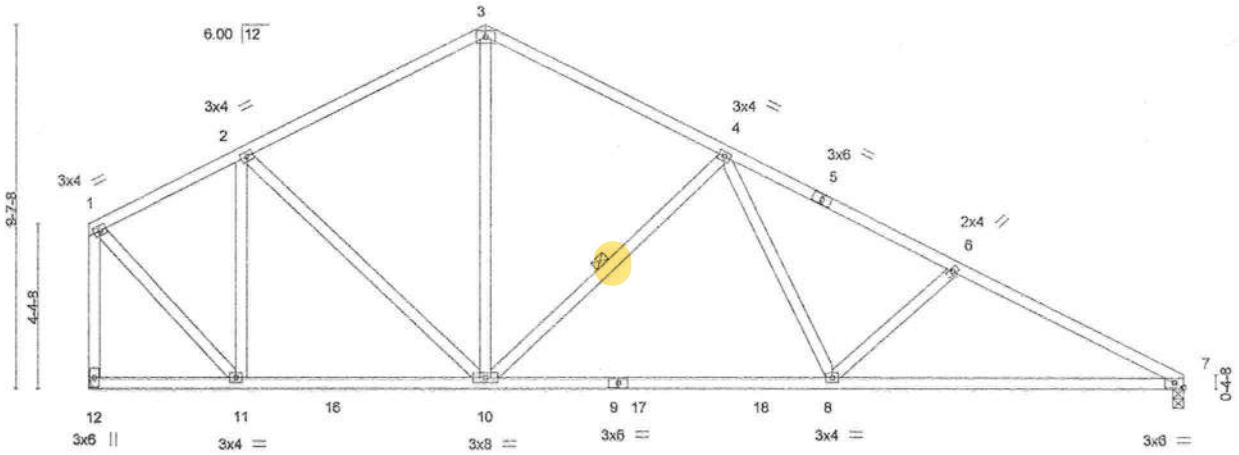
Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES. T22105352
2561776	T09	Common	2	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:56 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-2WixbJBPC535BSujR3xni9VFfa8MFA6qmVs_ZbyB4aX

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

4x6 =

Scale = 1:58.7



4-0-8	10-6-0	19-7-14	29-0-0
4-0-8	6-5-8	9-1-14	9-4-2

Plate Offsets (X,Y)-- [7:0-2-15,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	0.50	Vert(LL)	-0.21	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.36	8-10	>963	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 169 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-8 oc bracing.
WEBS 1 Row at midpt 4-10

REACTIONS. (size) 12=Mechanical, 7=0-3-8
Max Horz 12=-329(LC 13)
Max Uplift 12=-396(LC 13), 7=-460(LC 13)
Max Grav 12=1068(LC 1), 7=1068(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-719/460, 2-3=-959/682, 3-4=-958/686, 4-6=-1668/1015, 6-7=-1923/1121, 1-12=-1036/647
BOT CHORD 11-12=-81/327, 10-11=-213/663, 8-10=-545/1245, 7-8=-907/1686
WEBS 2-11=-559/422, 2-10=-106/270, 3-10=-311/498, 4-10=-654/544, 4-8=-222/521, 6-8=-332/367, 1-11=-535/906

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=396, 7=460.

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 8,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

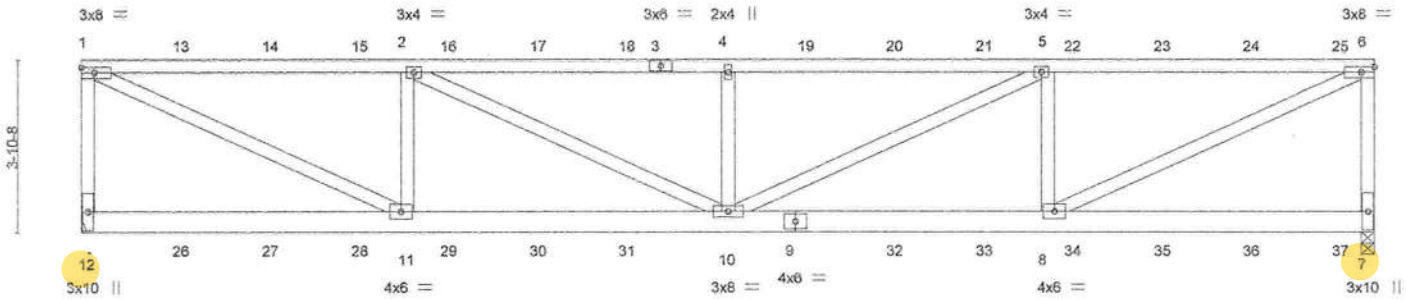
Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.
2561776	T11	FLAT GIRDER	1	2	T22105353

Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:31:59 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-S5O4DKDHU0Rg2vdl6BVVKn7h5oG9SS?GST5e9wyB4aU

7-3-14	14-6-0	21-8-2	29-0-0
7-3-14	7-2-2	7-2-2	7-3-14

Scale = 1:49.8



7-3-14	14-6-0	21-8-2	29-0-0
7-3-14	7-2-2	7-2-2	7-3-14

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.81	Vert(LL) 0.30 10 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.43	Vert(CT) -0.29 10 >999 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.89	Horz(CT) -0.03 7 n/a n/a	
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS		Weight: 358 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-11-2 oc bracing.

REACTIONS. (size) 12=Mechanical, 7=0-3-8
Max Uplift 12=-2061(LC 4), 7=-2008(LC 4)
Max Grav 12=2457(LC 1), 7=2397(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-2244/1913, 1-2=-3796/3169, 2-4=-4952/4139, 4-5=-4952/4139, 5-6=-3813/3185, 6-7=-2205/1879
BOT CHORD 10-11=-3169/3796, 8-10=-3185/3813
WEBS 1-11=-3445/4130, 2-11=-1432/1282, 2-10=-1079/1286, 4-10=-773/721, 5-10=-1061/1268, 5-8=-1435/1286, 6-8=-3458/4143

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=2061, 7=2008.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 141 lb down and 150 lb up at 0-1-12, 117 lb down and 143 lb up at 2-3-4, 117 lb down and 143 lb up at 4-3-4, 117 lb down and 143 lb up at 6-3-4, 117 lb down and 143 lb up at 8-3-4, 117 lb down and 143 lb up at 10-3-4, 117 lb down and 143 lb up at 12-3-4, 117 lb down and 143 lb up at 14-3-4, 117 lb down and 143 lb up at 16-3-4, 117 lb down and 143 lb up at 18-3-4, 117 lb down and 143 lb up at 20-3-4, 117 lb down and 143 lb up at 22-3-4, 117 lb down and 143 lb up at 24-3-4, and 117 lb down and 143 lb up at 26-3-4, and 129 lb down and 148 lb up at 28-3-4 on top chord, and 100 lb down and 80 lb up at 0-1-12, 82 lb down and 89 lb up at 2-3-4, 82 lb down and 89 lb up at 4-3-4, 82 lb down and 89 lb up at 6-3-4, 82 lb down and 89 lb up at 8-3-4, 82 lb down and 89 lb up at 10-3-4, 82 lb down and 89 lb up at 12-3-4, 82 lb down and 89 lb up at 14-3-4, 82 lb down and 89 lb up at 16-3-4, 82 lb down and 89 lb up at 18-3-4, 82 lb down and 89 lb up at 20-3-4, 82 lb down and 89 lb up at 22-3-4, 82 lb down and 89 lb up at 24-3-4, and 82 lb down and 89 lb up at 26-3-4, and 91 lb down and 85 lb up at 28-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: December 8,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-6=-54, 7-12=-20

Concentrated Loads (lb)

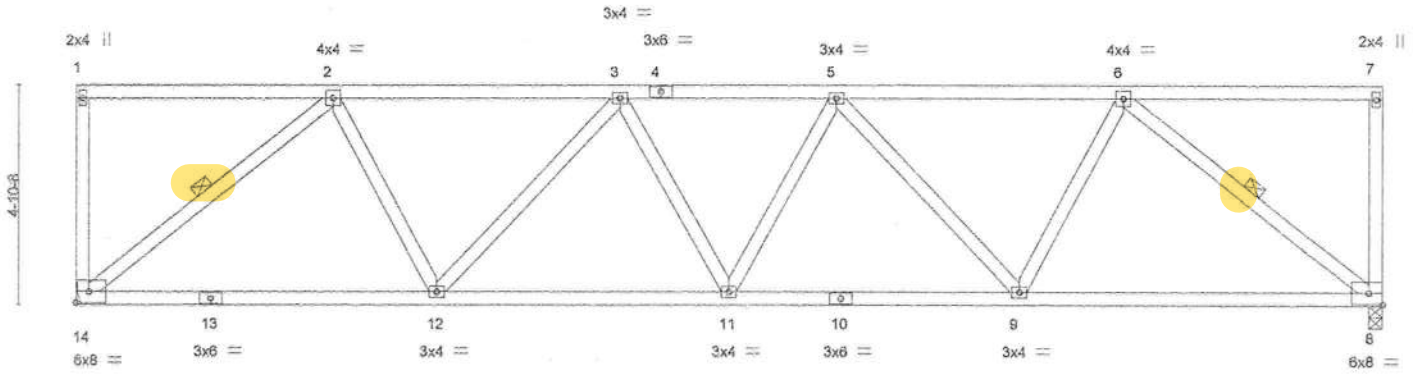
Vert: 12=-70(F) 1=-141(F) 9=-61(F) 10=-61(F) 4=-117(F) 13=-117(F) 14=-117(F) 15=-117(F) 16=-117(F) 17=-117(F) 18=-117(F) 19=-117(F) 20=-117(F) 21=-117(F) 22=-117(F) 23=-117(F) 24=-117(F) 25=-129(F) 26=-61(F) 27=-61(F) 28=-61(F) 29=-61(F) 30=-61(F) 31=-61(F) 32=-61(F) 33=-61(F) 34=-61(F) 35=-61(F) 36=-61(F) 37=-66(F)

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.	T22105354
2561776	T12	Flat	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:32:01 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSUByGg?X-PTWqe0FX0dhNIDngEcXzPCD8IbuuwTtZwnalEpyB4aS

5-8-9	12-1-3	16-10-13	23-3-7	29-0-0
5-8-9	6-4-10	4-9-9	6-4-10	5-8-9

Scale = 1:49.3



8-0-5	14-6-0	20-11-11	29-0-0
8-0-5	6-5-11	6-5-11	8-0-5

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	0.38	Vert(LL)	-0.12	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.24	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 166 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-10 oc bracing.
WEBS 1 Row at midpt 2-14, 6-8

REACTIONS. (size) 14=Mechanical, 8=0-3-8
Max Uplift 14=-542(LC 8), 8=-542(LC 8)
Max Grav 14=1062(LC 1), 8=1062(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1329/675, 3-5=-1668/869, 5-6=-1329/675
BOT CHORD 12-14=-586/1073, 11-12=-878/1639, 9-11=-678/1639, 8-9=-586/1073
WEBS 2-14=-1365/752, 2-12=-198/572, 3-12=-466/304, 5-9=-466/304, 6-9=-198/572, 6-8=-1365/752

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=542, 8=542.

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

December 8,2020

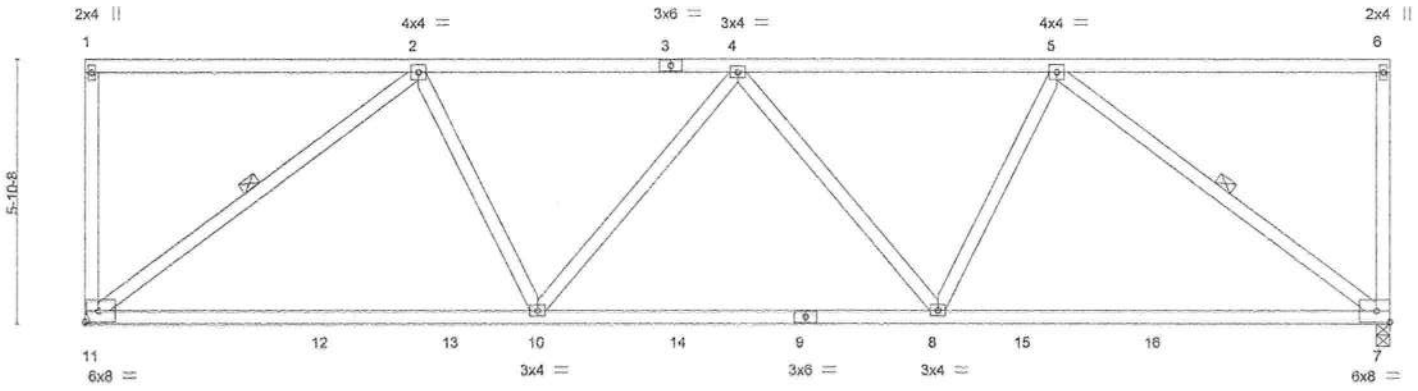
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES. T22105355
2561776	T13	Flat	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:32:02 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-tg4DrMG9nxpEvNMtoK2CxQIFz?A7fsTi8RJJmFyB4aR

7-4-11	14-6-0	21-7-5	29-0-0
7-4-11	7-1-5	7-1-5	7-4-11

Scale = 1:49.3



10-0-8	18-11-8	20-0-0
10-0-8	8-10-15	10-0-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.27	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.56	7-8	>620	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 166 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 2-11, 5-7

REACTIONS. (size) 11=Mechanical, 7=0-3-8
Max Uplift 11=-542(LC 8), 7=-542(LC 8)
Max Grav 11=1062(LC 1), 7=1062(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1281/630, 4-5=-1282/630
BOT CHORD 10-11=-587/1069, 8-10=-750/1400, 7-8=-587/1069
WEBS 2-11=-1316/731, 2-10=-99/503, 5-8=-99/503, 5-7=-1316/731

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=542, 7=542.

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

December 8,2020

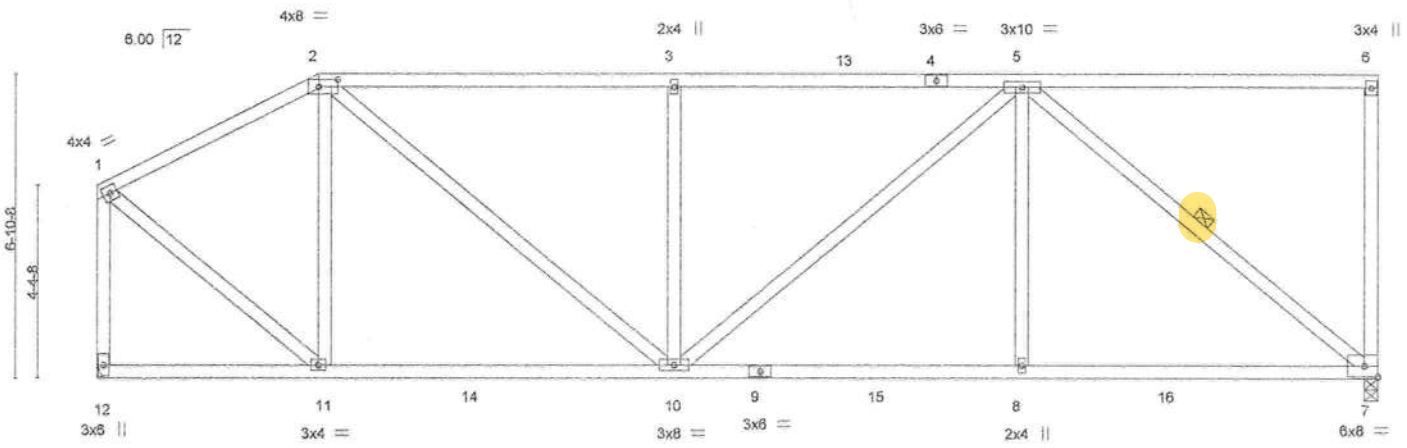
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.	T22105356
2561776	T14	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:32:03 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-Lsdb3iGoYEx5XXx3L1ZRUdIP4PZeOHJsN53slhyB4aQ

5-0-0	13-0-9	20-11-7	29-0-0
5-0-0	8-0-9	7-10-13	8-0-9

Scale = 1:50.2



5-0-0	13-0-9	20-11-7	29-0-0
5-0-0	8-0-9	7-10-13	8-0-9

Plate Offsets (X,Y)-- [2:0-5-4,0-2-0]

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	0.68	Vert(LL)	-0.11	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.23	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 184 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-7 oc bracing.
WEBS 1 Row at midpt 5-7

REACTIONS. (size) 7=0-3-8, 12=Mechanical
Max Horz 12=127(LC 12)
Max Uplift 7=-548(LC 9), 12=-462(LC 12)
Max Grav 7=1085(LC 2), 12=1062(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-832/443, 2-3=-1213/705, 3-5=-1213/705, 1-12=-1026/560
BOT CHORD 10-11=-458/699, 8-10=-555/1044, 7-8=-555/1044
WEBS 2-11=-424/303, 2-10=-372/708, 3-10=-458/375, 5-10=-259/285, 5-8=0/401, 5-7=-1334/708, 1-11=-405/907

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=548, 12=462.

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

December 8,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES. T22105357
2561776	T15	Hip	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:32:04 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-p2BzG2HQJY3y9gWFvk5g1rraXpvB7nY?cloPr8yB4aP

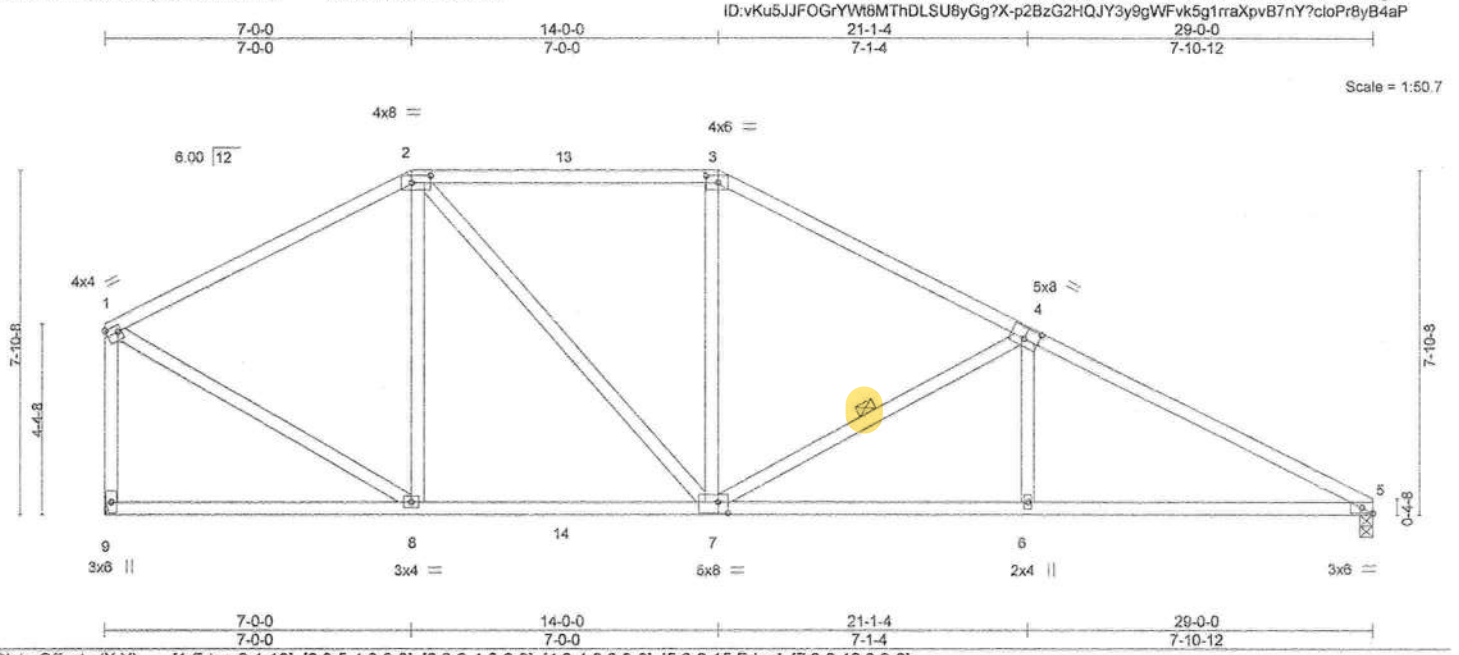


Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-5-4,0-2-0], [3:0-3-4,0-2-0], [4:0-4-0,0-3-0], [5:0-2-15,Edge], [7:0-2-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	0.16	6-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.24	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 161 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-10-13 oc bracing.
WEBS 1 Row at midpt 4-7

REACTIONS. (size) 9=Mechanical, 5=0-3-8
Max Horz 9=-290(LC 13)
Max Uplift 9=-404(LC 12), 5=-471(LC 13)
Max Grav 9=1068(LC 1), 5=1068(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-947/573, 2-3=-1039/767, 3-4=-1260/771, 4-5=-1900/1045, 1-9=-1005/637
BOT CHORD 8-9=-56/279, 7-8=-177/769, 6-7=-813/1630, 5-6=-813/1631
WEBS 2-8=-289/268, 2-7=-286/454, 3-7=-39/295, 4-7=-679/550, 4-6=0/321, 1-8=-436/863

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=404, 5=471.

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

December 8,2020

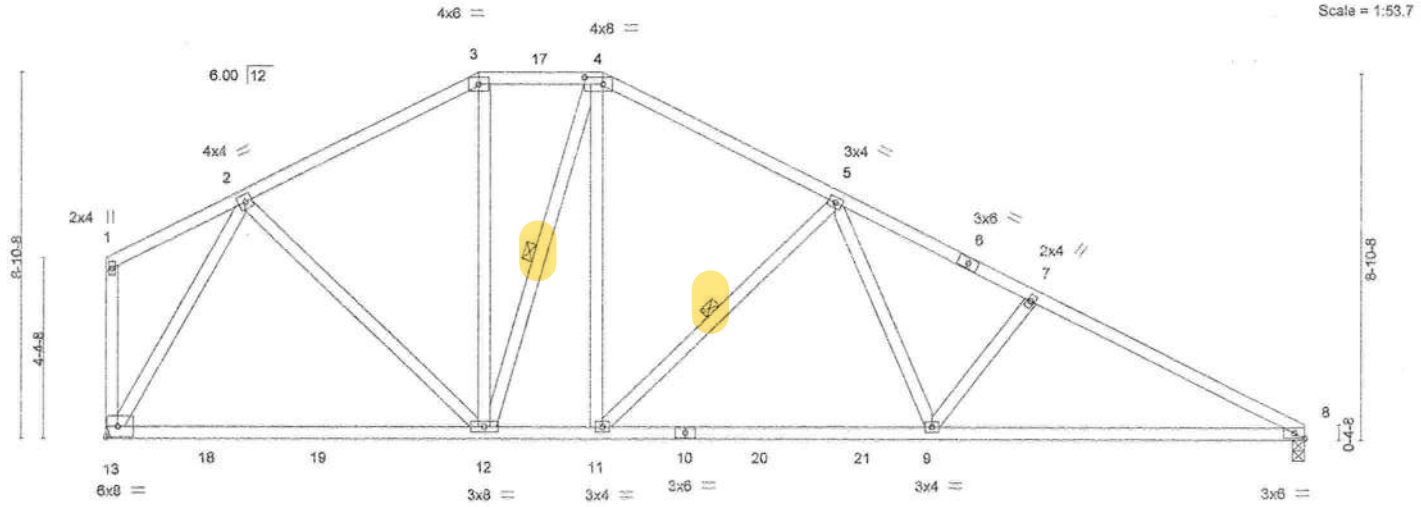
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES. T22105358
2561776	T16	Hip	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:32:05 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-HFILUOI24sBpmq4STScvZ2NmyDCHs9g9qPYzNayB4aO

3-4-5	9-0-0	12-0-0	17-7-12	22-4-12	29-0-0
3-4-5	5-7-12	3-0-0	5-7-12	4-9-0	6-7-4

Scale = 1:53.7



9-0-0	12-0-0	19-11-15	29-0-0
9-0-0	3-0-0	7-11-15	9-0-1

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [8:0-2-15,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	0.53	Vert(LL)	-0.19	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.38	12-13	>908	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 182 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-2 oc bracing.
WEBS 1 Row at midpt 4-12, 5-11

REACTIONS. (size) 13=Mechanical, 8=0-3-8
Max Horz 13=-312(LC 13)
Max Uplift 13=-398(LC 12), 8=-465(LC 13)
Max Grav 13=1068(LC 1), 8=1068(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-957/654, 3-4=-792/651, 4-5=-1051/721, 5-7=-1716/1042, 7-8=-1900/1083
BOT CHORD 12-13=-187/536, 11-12=-225/882, 9-11=-574/1301, 8-9=-863/1657
WEBS 2-12=-118/384, 4-12=-355/250, 4-11=-319/486, 5-11=-602/498, 5-9=-244/499, 7-9=-297/328, 2-13=-1063/695

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=398, 8=465.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 8,2020

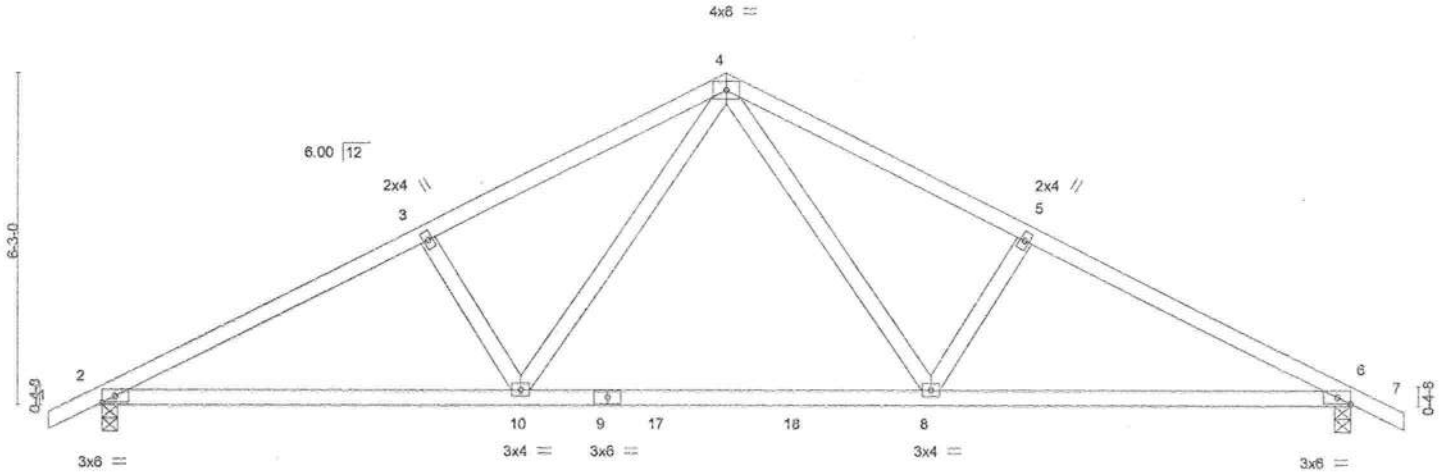
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES. T22105359
2561776	T17	Common	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, inc. Tue Dec 8 08:32:06 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-IRJjhkJgr9JgO_fe19786Gwz2ccubInI33HWv0yB4aN

-1-0-0	6-1-7	11-9-0	17-4-9	23-6-0	24-6-0
1-0-0	6-1-7	5-7-9	5-7-9	6-1-7	1-0-0

Scale = 1:41.8



7-10-9	15-7-7	23-6-0
7-10-9	7-8-14	7-10-9

Plate Offsets (X,Y)-- [6:0-2-15,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	0.44	Vert(LL)	-0.13	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.21	8-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 108 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-0-1 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=144(LC 12)
Max Uplift 2=-397(LC 12), 6=-397(LC 13)
Max Grav 2=924(LC 1), 6=923(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1502/895, 3-4=-1359/890, 4-5=-1359/890, 5-6=-1502/895
BOT CHORD 2-10=-676/1307, 8-10=-322/861, 6-8=-681/1307
WEBS 4-8=-322/535, 5-8=-325/358, 4-10=-322/535, 3-10=-325/358

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=397, 6=397.

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

December 8,2020

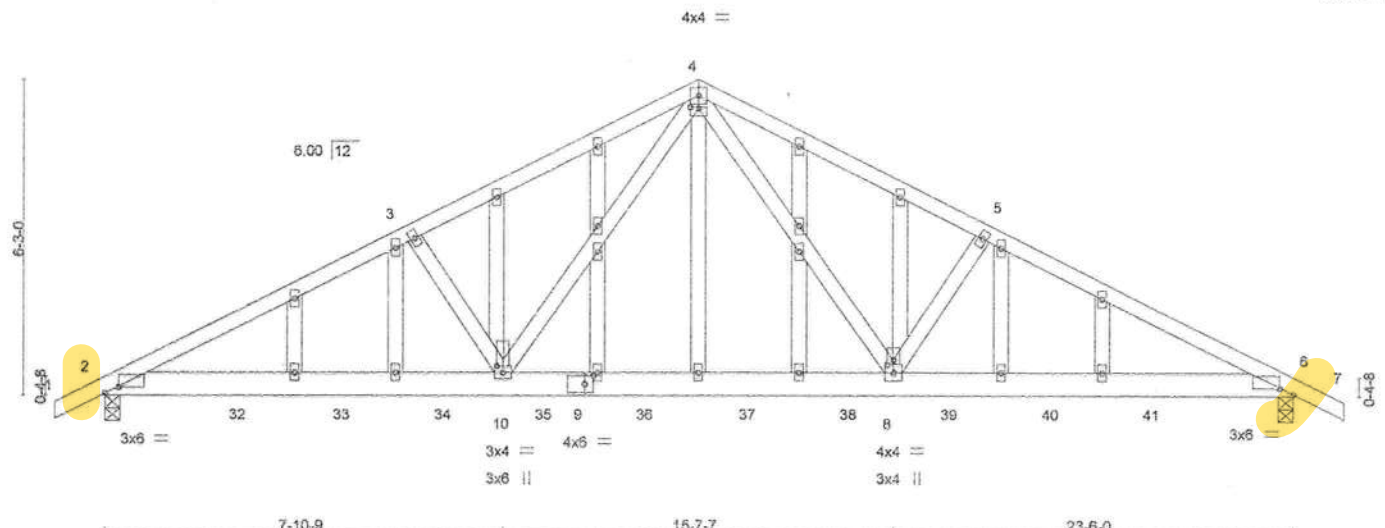
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES. T22105360
2561776	T17G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:32:08 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-hpRU6PKwNnZOdlp18a9cBn?GNQEd3ZhbXNmd_vyB4eL

-1-0-0	6-1-7	11-9-0	17-4-9	23-6-0	24-6-0
1-0-0	6-1-7	5-7-9	5-7-9	6-1-7	1-0-0

Scale = 1:43.9



7-10-9	15-7-7	23-6-0
7-10-9	7-8-14	7-10-9

Plate Offsets (X,Y)-- [2:0-3-3,0-1-6], [4:0-2-0,0-0-4], [6:0-3-3,0-1-6], [8:0-1-1,0-1-8], [9:0-2-0,0-2-0], [10:0-1-8,0-1-8]

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	0.58	Vert(LL)	0.21	10-29	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.22	8-31	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.67	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 170 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-8-15 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=144(LC 8)
Max Uplift 2=-882(LC 8), 6=-881(LC 9)
Max Grav 2=1351(LC 1), 8=1350(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2231/1400, 3-4=-2090/1392, 4-5=-2091/1393, 5-6=-2233/1401
BOT CHORD 2-10=-1292/1968, 8-10=-722/1296, 6-8=-1150/1969
WEBS 4-8=-716/929, 5-8=-328/338, 4-10=-713/926, 3-10=-328/338

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=882, 6=881.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 159 lb down and 227 lb up at 2-8-0, 67 lb down and 85 lb up at 4-8-12, 67 lb down and 85 lb up at 6-8-12, 67 lb down and 85 lb up at 8-8-12, 67 lb down and 85 lb up at 10-8-12, 67 lb down and 85 lb up at 12-9-4, 67 lb down and 85 lb up at 14-9-4, 67 lb down and 85 lb up at 16-9-4, and 67 lb down and 85 lb up at 18-9-4, and 159 lb down and 227 lb up at 20-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) 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=-54, 4-7=-54, 2-6=-20

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 8,2020

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES. T22105360
2561776	T17G	GABLE	1	1	Job Reference (optional)

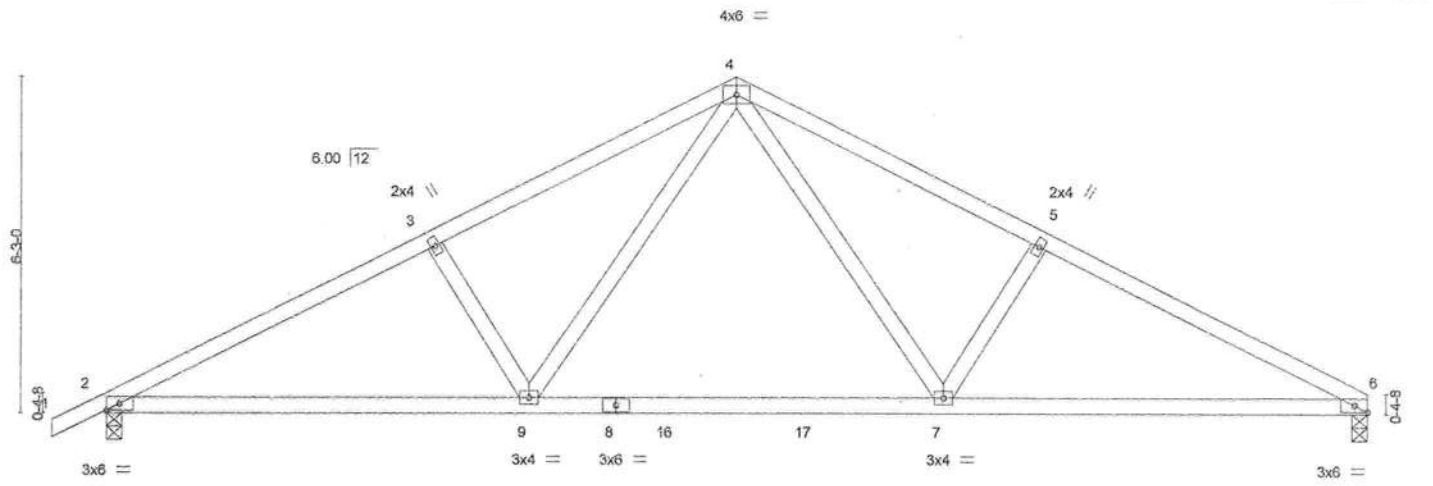
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 32=-159(B) 33=-67(B) 34=-67(B) 35=-67(B) 36=-67(B) 37=-67(B) 38=-67(B) 39=-67(B) 40=-67(B) 41=-159(B)

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.
2561776	T18	Common	4	1	T22105361
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:32:09 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-A0?sJILZ84hFFSODilgrkuYTAqdZo6RkI1WAWLyB4aK

-1-0-0	6-1-7	11-9-0	17-4-9	23-6-0
1-0-0	6-1-7	5-7-9	5-7-9	6-1-7

Scale = 1:41.3



7-10-9	15-7-7	23-6-0
7-10-9	7-8-14	7-10-9

Plate Offsets (X,Y)-- [6:0-2-15,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	0.45	Vert(LL)	-0.13	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.21	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 106 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-9-10 oc bracing.

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=155(LC 16)
Max Uplift 6=-360(LC 13), 2=-398(LC 12)
Max Grav 6=868(LC 1), 2=925(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1505/699, 3-4=-1361/895, 4-5=-1365/899, 5-6=-1510/904
BOT CHORD 2-9=-710/1310, 7-9=-351/863, 6-7=-715/1315
WEBS 4-7=-328/541, 5-7=-328/361, 4-9=-321/535, 3-9=-325/358

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=360, 2=398.

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

December 8,2020

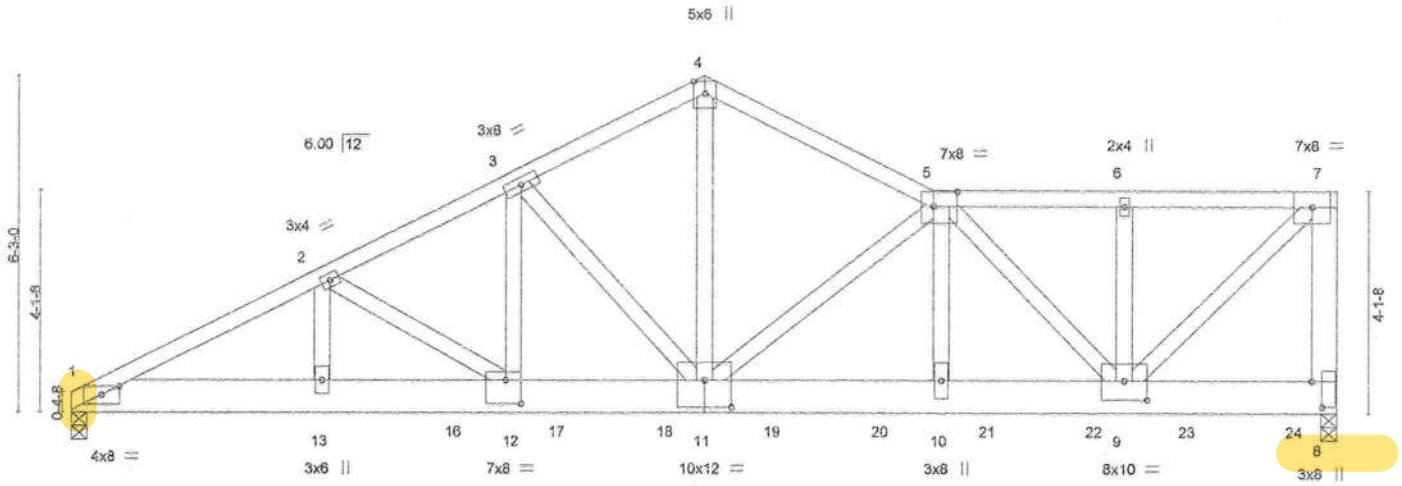
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - CALDWELL RES.	T22105362
2561776	T19	Common Girder	1	2	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Dec 8 08:32:11 2020 Page 1
ID:vKu5JJFOGrYWt8MThDLSU8yGg?X-6O6ckRNpgixzUlYbpijJpJdnkdMDGsE1DL?HbEyB4aI

4-7-15	8-2-7	11-9-0	16-0-0	19-6-12	23-6-0
4-7-15	3-6-9	3-6-9	4-3-0	3-6-12	3-11-4

Scale = 1:41.2



4-7-15	8-2-7	11-9-0	16-0-0	19-6-12	23-6-0
4-7-15	3-6-9	3-6-9	4-3-0	3-6-12	3-11-4

Plate Offsets (X,Y)-- [1:0-4-0,0-1-15], [5:0-5-4,0-3-4], [8:0-5-12,0-2-4], [9:0-5-0,0-4-4], [11:0-6-0,0-6-0], [12:0-3-8,0-5-4]

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	0.64	Vert(LL)	0.23	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.30	11-12	>916	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 356 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
7-8: 2x6 SP No.2, 4-11,7-9: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 8=0-3-8 (req. 0-4-5)
Max Horz 1=240(LC 27)
Max Uplift 1=-3001(LC 8), 8=-3367(LC 9)
Max Grav 1=5187(LC 1), 8=7331(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-11013/6437, 2-3=-10351/5928, 3-4=-8043/4253, 4-5=-8036/4258, 5-6=-6039/2849, 6-7=-6039/2849, 7-8=-5990/2856
BOT CHORD 1-13=-5912/9796, 12-13=-5912/9796, 11-12=-5377/9233, 10-11=-4634/9433, 9-10=-4659/9504
WEBS 2-13=-440/507, 2-12=-674/632, 3-12=-2394/3182, 3-11=-3122/2407, 4-11=-3648/3885, 5-11=-3001/1206, 5-10=-634/1799, 5-9=-4980/2626, 7-9=-3930/8330

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) WARNING: Required bearing size at joint(s) 8 greater than input bearing size.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=3001, 8=3367.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2437 lb down and 2081 lb up at 7-1-9, 1042 lb down and 562 lb up at 9-0-12, 1042 lb down and 562 lb up at 11-0-12, 1042 lb down and 482 lb up at 13-0-12, 1048 lb down and 424 lb up at 15-0-12, 1048 lb down and 418 lb up at 17-0-12, 1048 lb down and 416 lb up at 19-0-12, and 1048 lb down and 416 lb up at 20-9-4, and 1053 lb down and 414 lb up at 22-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

LOAD CASE(S) Standard

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: December 8,2020

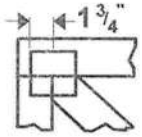
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

LOAD CASE(S) Standard

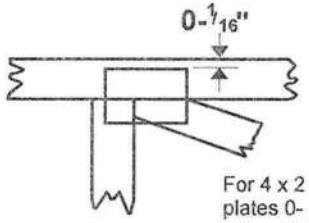
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-5=-54, 5-7=-54, 1-8=-20
   Concentrated Loads (lb)
   Vert: 16=-2437(F) 17=-1042(F) 18=-1042(F) 19=-1042(F) 20=-1048(F) 21=-1048(F) 22=-1048(F) 23=-1048(F) 24=-1053(F)

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

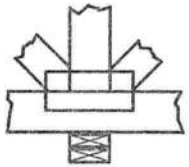
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING

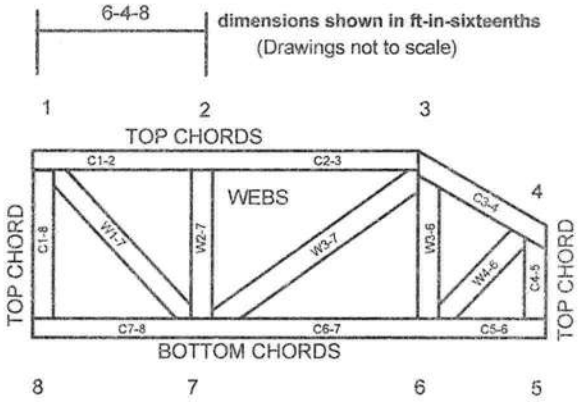


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

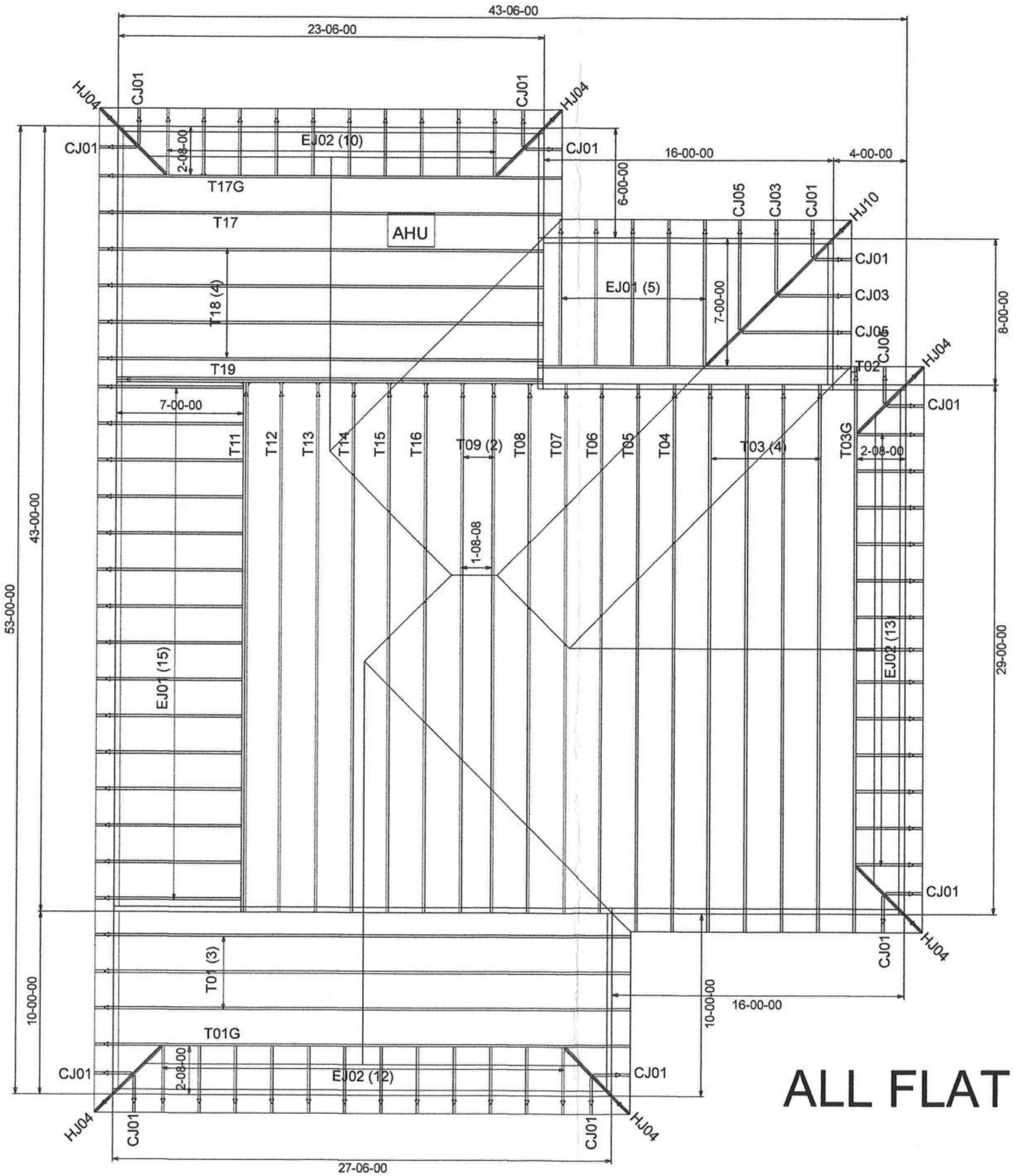
MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

6/2 PITCH
12" O/H



ALL FLAT CEILINGS

FL Approval Codes - Mitek Plates #'s 2197.2 - 2197.4, Versa-Lam #1644-R4 & BCI Joists #1392-R4

BEARING HEIGHT SCHEDULE

	9' 1-1/8"

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2.) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.

3.) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4.) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5.) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6.) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7.) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

Builders FirstSource

Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973

Tampa
PHONE: 813-621-9831 FAX: 813-628-8956

Lake City
PHONE: 386-755-6894 FAX: 386-755-7473

BUILDER: WADE CUSTOM HOMES		
LEGAL ADDRESS: CALDWELL RES.		
MODEL:		Revision:
		Rev. By:
DATE: 12-1-20	DRAWN BY: KLH	Original Reference #: 2561776
1st Level Job#:	2nd Level Job#:	Real Job#: 2561776