



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

RE: 2465503 - BLAKE CONST. - PEACE/ROBERTS RES.

MiTek USA, Inc.

6904 Parke East Blvd.  
Tampa, FL 33610-4115

**Site Information:**

Customer Info: Blake Const. Project Name: Peace-Roberts Res. Model: Custom  
Lot/Block: N/A Subdivision: N/A  
Address: 757 NW Blackberry Circle, N/A  
City: Columbia Cty State: FL

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

Name: License #:  
Address:  
City: State:

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

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

This package includes 75 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.

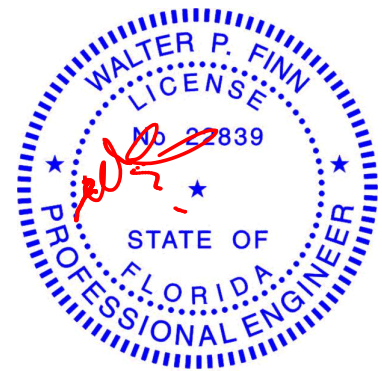
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T21969567	CJ01	11/22/20	23	T21969589	PB03	11/22/20
2	T21969568	CJ03	11/22/20	24	T21969590	PB04	11/22/20
3	T21969569	CJ05	11/22/20	25	T21969591	PB05	11/22/20
4	T21969570	CJ07	11/22/20	26	T21969592	PB05G	11/22/20
5	T21969571	EJ01	11/22/20	27	T21969593	PB06	11/22/20
6	T21969572	EJ02	11/22/20	28	T21969594	PB07	11/22/20
7	T21969573	EJ03	11/22/20	29	T21969595	PB07G	11/22/20
8	T21969574	EJ04	11/22/20	30	T21969596	T01	11/22/20
9	T21969575	EJ05	11/22/20	31	T21969597	T01G	11/22/20
10	T21969576	EJ06	11/22/20	32	T21969598	T02	11/22/20
11	T21969577	EJ07	11/22/20	33	T21969599	T02G	11/22/20
12	T21969578	EJ08	11/22/20	34	T21969600	T03	11/22/20
13	T21969579	EJ09	11/22/20	35	T21969601	T04	11/22/20
14	T21969580	EJ10	11/22/20	36	T21969602	T04G	11/22/20
15	T21969581	EJ11	11/22/20	37	T21969603	T05	11/22/20
16	T21969582	EJ12	11/22/20	38	T21969604	T05G	11/22/20
17	T21969583	EJ13	11/22/20	39	T21969605	T06	11/22/20
18	T21969584	HJ12	11/22/20	40	T21969606	T07	11/22/20
19	T21969585	PB01	11/22/20	41	T21969607	T08	11/22/20
20	T21969586	PB01G	11/22/20	42	T21969608	T09	11/22/20
21	T21969587	PB02	11/22/20	43	T21969609	T10	11/22/20
22	T21969588	PB02G	11/22/20	44	T21969610	T11	11/22/20

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: Finn, Walter

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

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



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020



RE: 2465503 - BLAKE CONST. - PEACE/ROBERTS RES.

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

**Site Information:**

Customer Info: Blake Const. Project Name: Peace-Roberts Res. Model: Custom  
Lot/Block: N/A Subdivision: N/A  
Address: 757 NW Blackberry Circle, N/A  
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
45	T21969611	T12G	11/22/20
46	T21969612	T13	11/22/20
47	T21969613	T14	11/22/20
48	T21969614	T17	11/22/20
49	T21969615	T17G	11/22/20
50	T21969616	T18	11/22/20
51	T21969617	T19	11/22/20
52	T21969618	T20	11/22/20
53	T21969619	T20G	11/22/20
54	T21969620	T21	11/22/20
55	T21969621	T22G	11/22/20
56	T21969622	T23	11/22/20
57	T21969623	T24	11/22/20
58	T21969624	T25	11/22/20
59	T21969625	T26	11/22/20
60	T21969626	T27	11/22/20
61	T21969627	T28	11/22/20
62	T21969628	T28G	11/22/20
63	T21969629	T29	11/22/20
64	T21969630	T30	11/22/20
65	T21969631	T31	11/22/20
66	T21969632	T32	11/22/20
67	T21969633	T33	11/22/20
68	T21969634	TG01	11/22/20
69	T21969635	TG02	11/22/20
70	T21969636	TG03	11/22/20
71	T21969637	V01	11/22/20
72	T21969638	V02	11/22/20
73	T21969639	V03	11/22/20
74	T21969640	V04	11/22/20
75	T21969641	V05	11/22/20

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969567
2465503	CJ01	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:05 2020 Page 1  
ID:imWskJWbWxApg8mhvxA\_7syJIW\_-VbN\_rxoKw9ijW\_?Nh3Za5owPqi9g0MZ7t7V0?AyGu9y

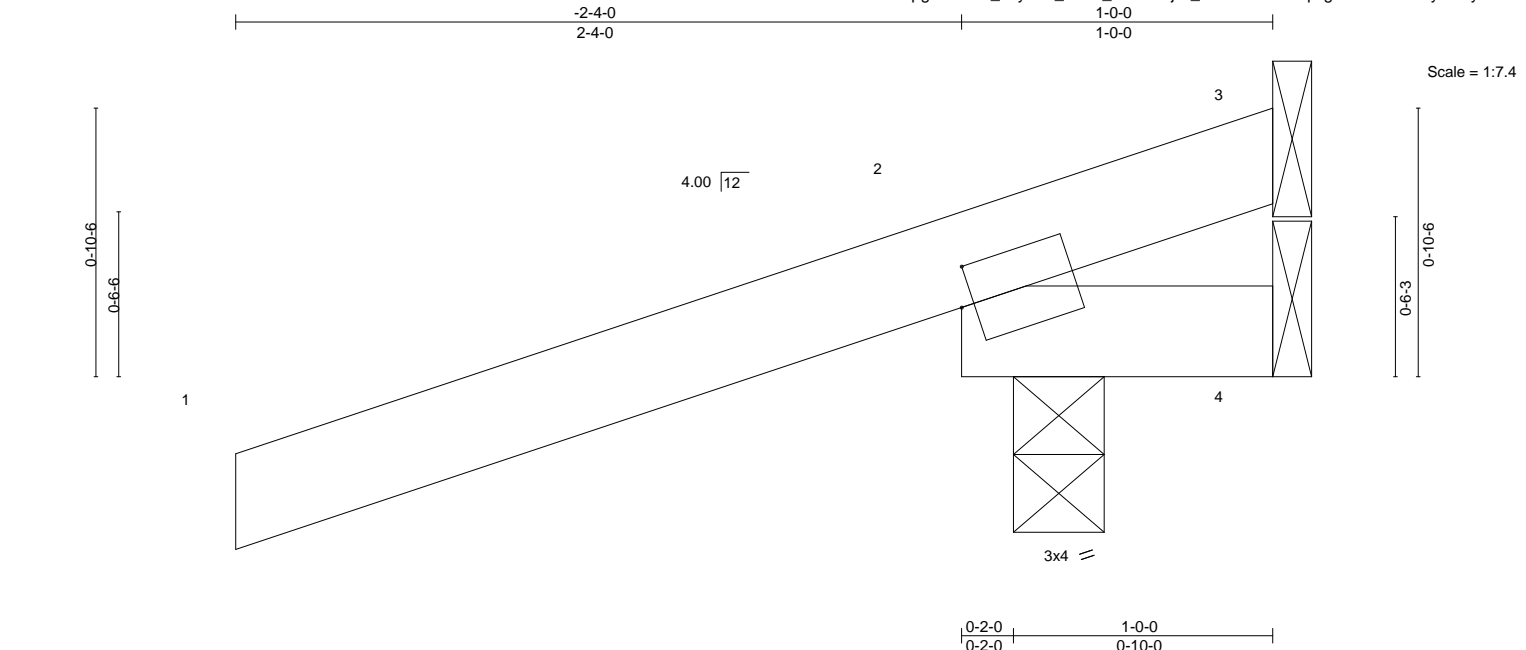


Plate Offsets (X,Y)--		[2:0-0-8,0-1-8]								
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL 1.25		TC 0.39		Vert(LL) 0.00 7	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL 1.25		BC 0.12		Vert(CT) 0.00 7	>999	180		
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: 7 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	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=66(LC 8)  
Max Uplift 3=51(LC 1), 2=-317(LC 8), 4=-61(LC 1)  
Max Grav 3=60(LC 8), 2=311(LC 1), 4=69(LC 8)

**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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60  
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 51 lb uplift at joint 3, 317 lb uplift at joint 2 and 61 lb uplift at joint 4.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**  
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969568
2465503	CJ03	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:06 2020 Page 1

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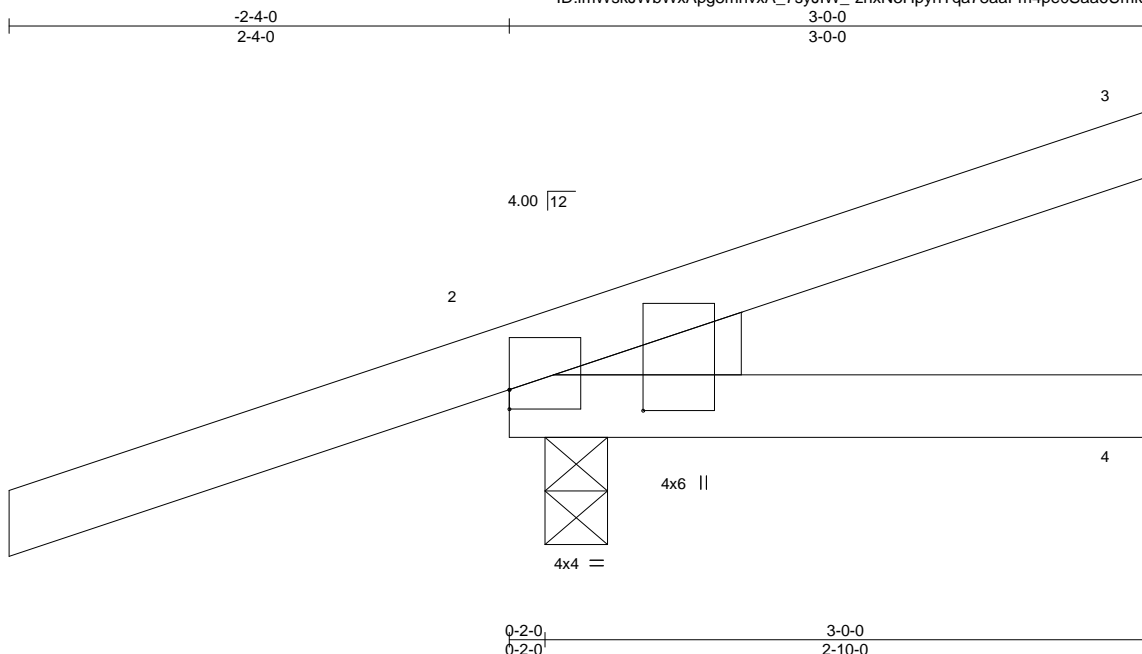


Plate Offsets (X,Y)--		[2:0-0-0,0-1-1], [2:0-1-3,0-7-8]						
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL 1.25	TC 0.39	Vert(LL) -0.00 7	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL 1.25	BC 0.07	Vert(CT) -0.00 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: 14 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEDGE  
Left: 2x4 SP No.3

**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=98(LC 8)  
Max Uplift 3=-34(LC 12), 2=-259(LC 8), 4=-22(LC 9)  
Max Grav 3=42(LC 1), 2=285(LC 1), 4=43(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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60  
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 34 lb uplift at joint 3, 259 lb uplift at joint 2 and 22 lb uplift at joint 4.



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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969569
2465503	CJ05	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:07 2020 Page 1  
ID:imWskJWbWxAppg8mhvxA\_7syJIW\_-RzVIGdpasmyRII9moTb2BD?IKWn9TG2QKR\_742yGu9w

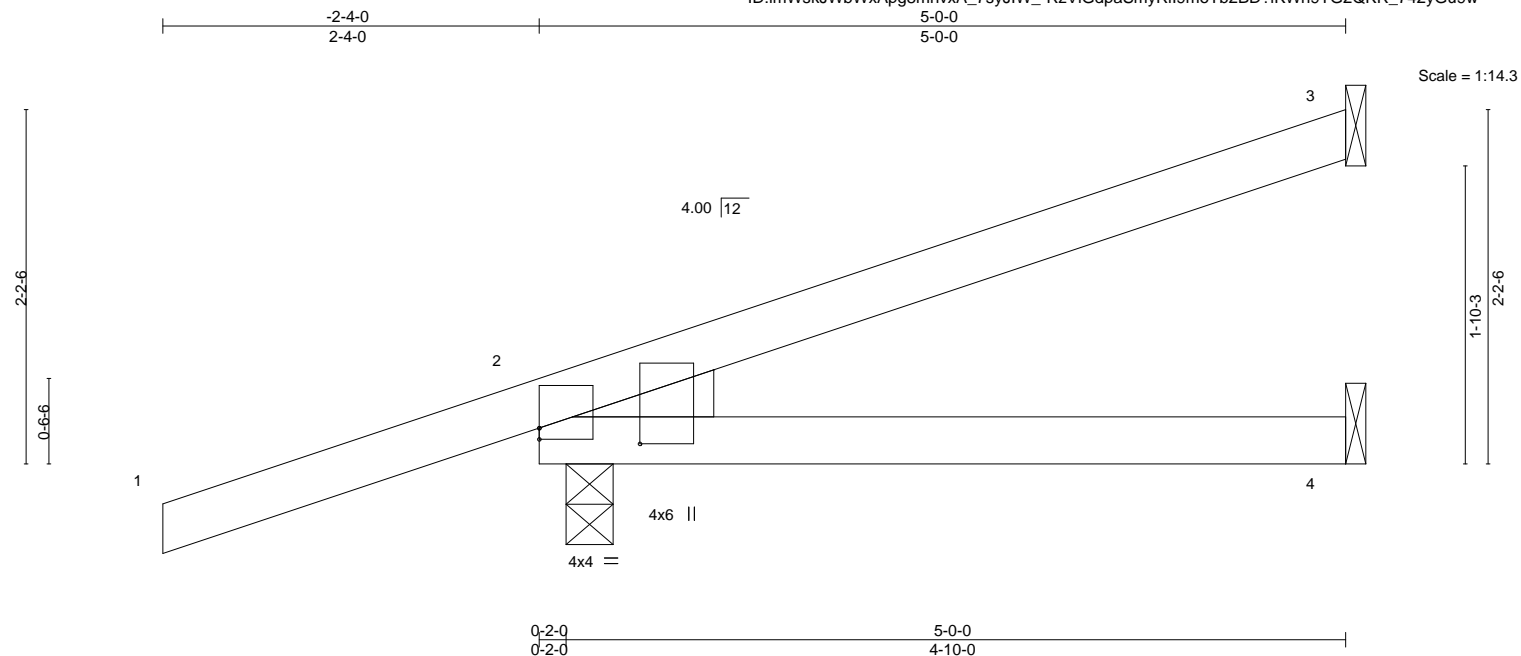


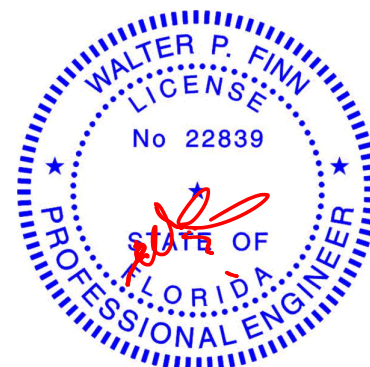
Plate Offsets (X,Y)-- [2:0-0-0,0-0-13], [2:0-1-3,0-7-8]												
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d			<b>PLATES</b>	<b>GRIP</b>		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	0.07	4-7	>832	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	0.06	4-7	>948	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-MP						Weight: 20 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEDGE	
Left: 2x4 SP No.3	

**REACTIONS.** (size) 3=Mechanical, 2=0-3-8, 4=Mechanical  
Max Horz 2=130(LC 8)  
Max Uplift 3=-84(LC 8), 2=-289(LC 8), 4=-44(LC 9)  
Max Grav 3=101(LC 1), 2=338(LC 1), 4=83(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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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 84 lb uplift at joint 3, 289 lb uplift at joint 2 and 44 lb uplift at joint 4.



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

November 22,2020

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**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969570
2465503	CJ07	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:08 2020 Page 1  
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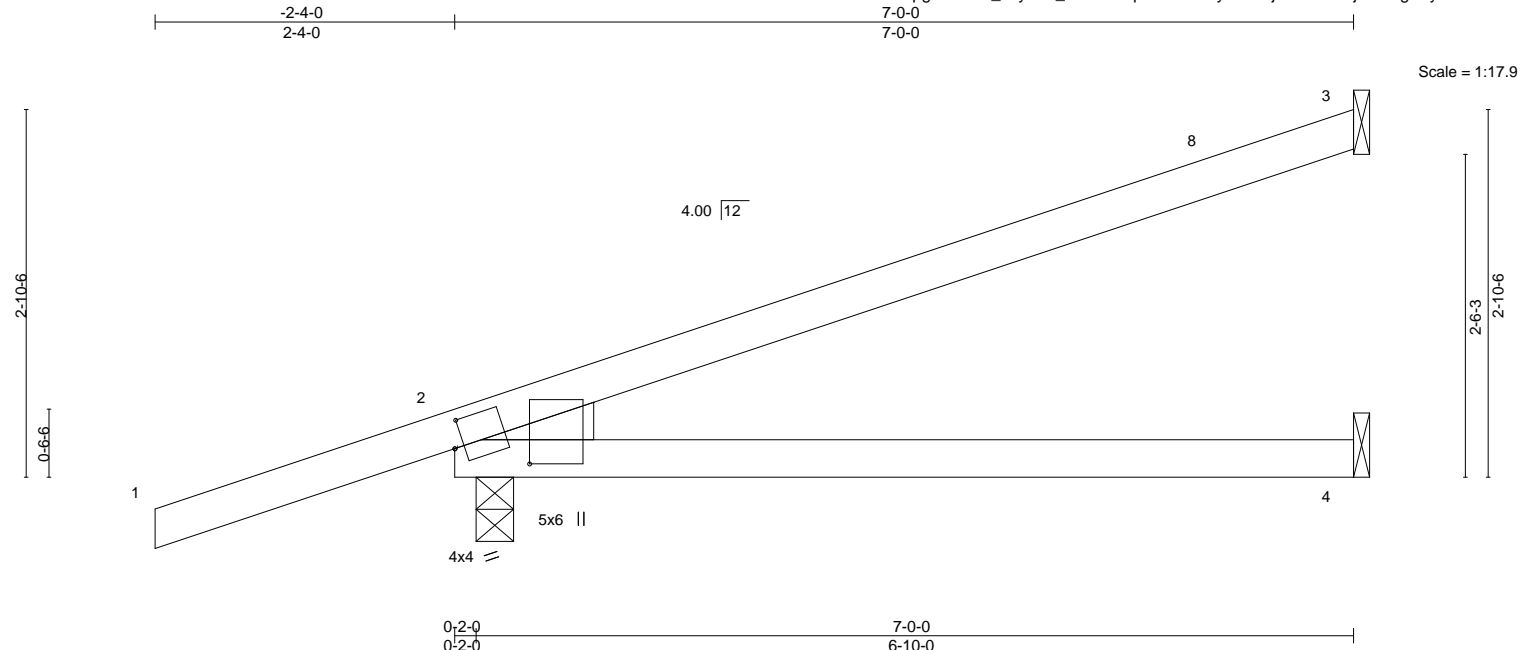


Plate Offsets (X,Y)--		[2:0-0-15,0-2-8], [2:0-1-7,0-7-0]	
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.73
TCDL 7.0	Lumber DOL	1.25	BC 0.71
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS
			<b>DEFL.</b>
			in (loc) l/defl L/d
			Vert(LL) 0.31 4-7 >269 240
			Vert(CT) 0.27 4-7 >311 180
			Horz(CT) -0.03 3 n/a n/a
			<b>PLATES</b> <b>GRIP</b>
			MT20 244/190
			Weight: 26 lb FT = 20%

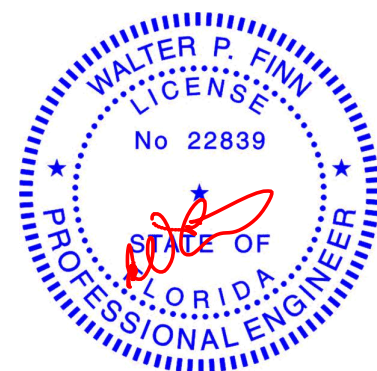
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEDGE  
Left: 2x4 SP No.3

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

**REACTIONS.** (size) 3=Mechanical, 2=0-3-8, 4=Mechanical  
Max Horz 2=163(LC 8)  
Max Uplift 3=-130(LC 8), 2=-332(LC 8), 4=-68(LC 8)  
Max Grav 3=155(LC 1), 2=404(LC 1), 4=121(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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60  
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 130 lb uplift at joint 3, 332 lb uplift at joint 2 and 68 lb uplift at joint 4.



Walter P. Finn PE No.22839  
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Date:

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**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969571
2465503	EJ01	Jack-Partial	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:09 2020 Page 1  
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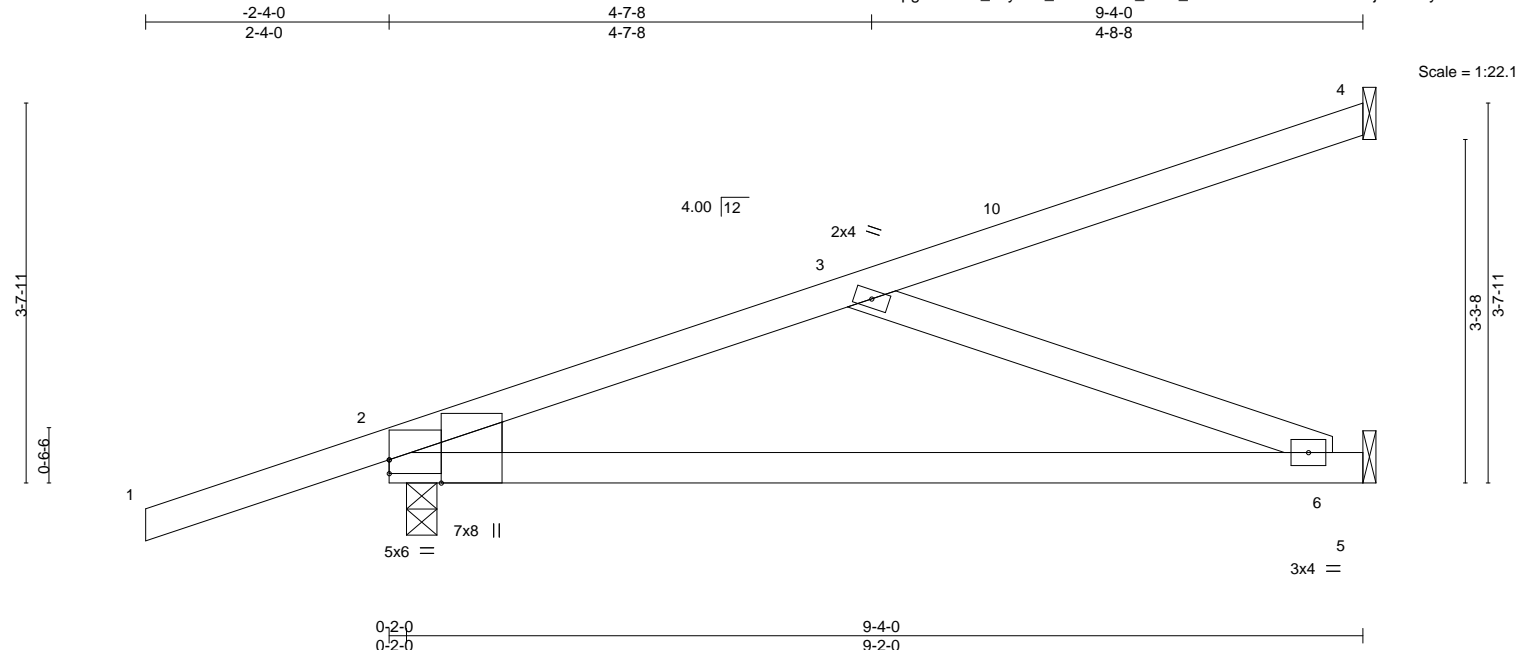


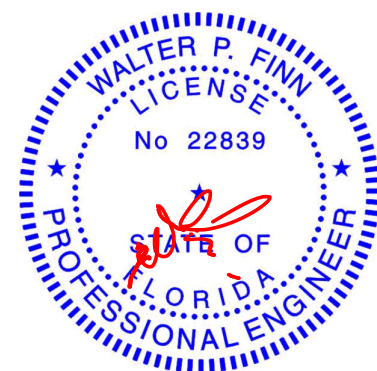
Plate Offsets (X,Y)--		[2:0-0-0,0-1-9], [2:0-2-11,Edge]	
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.76
TCDL 7.0	Lumber DOL	1.25	BC 0.84
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.23
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS
			<b>DEFL.</b>
			in (loc) l/defl L/d
			Vert(LL) 0.43 6-9 >261 240
			Vert(CT) 0.37 6-9 >300 180
			Horz(CT) -0.02 2 n/a n/a
			<b>PLATES</b> <b>GRIP</b>
			MT20 244/190
			Weight: 41 lb FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 3-2-14 oc bracing.
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3	

**REACTIONS.** (size) 4=Mechanical, 2=0-3-8, 5=Mechanical  
Max Horz 2=201(LC 8)  
Max Uplift 4=-88(LC 8), 2=-386(LC 8), 5=-190(LC 8)  
Max Grav 4=104(LC 1), 2=485(LC 1), 5=234(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-474/548  
BOT CHORD 2-6=-713/447  
WEBS 3-6=-476/759

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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 88 lb uplift at joint 4, 386 lb uplift at joint 2 and 190 lb uplift at joint 5.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969572
2465503	EJ02	Jack-Partial	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:10 2020 Page 1  
ID:imWskJWbWxApg8mhvx\_A\_7syJIW\_-sYAtuesTihL0cluLUC8losdDYjm5gds0PDnhNyGu9t

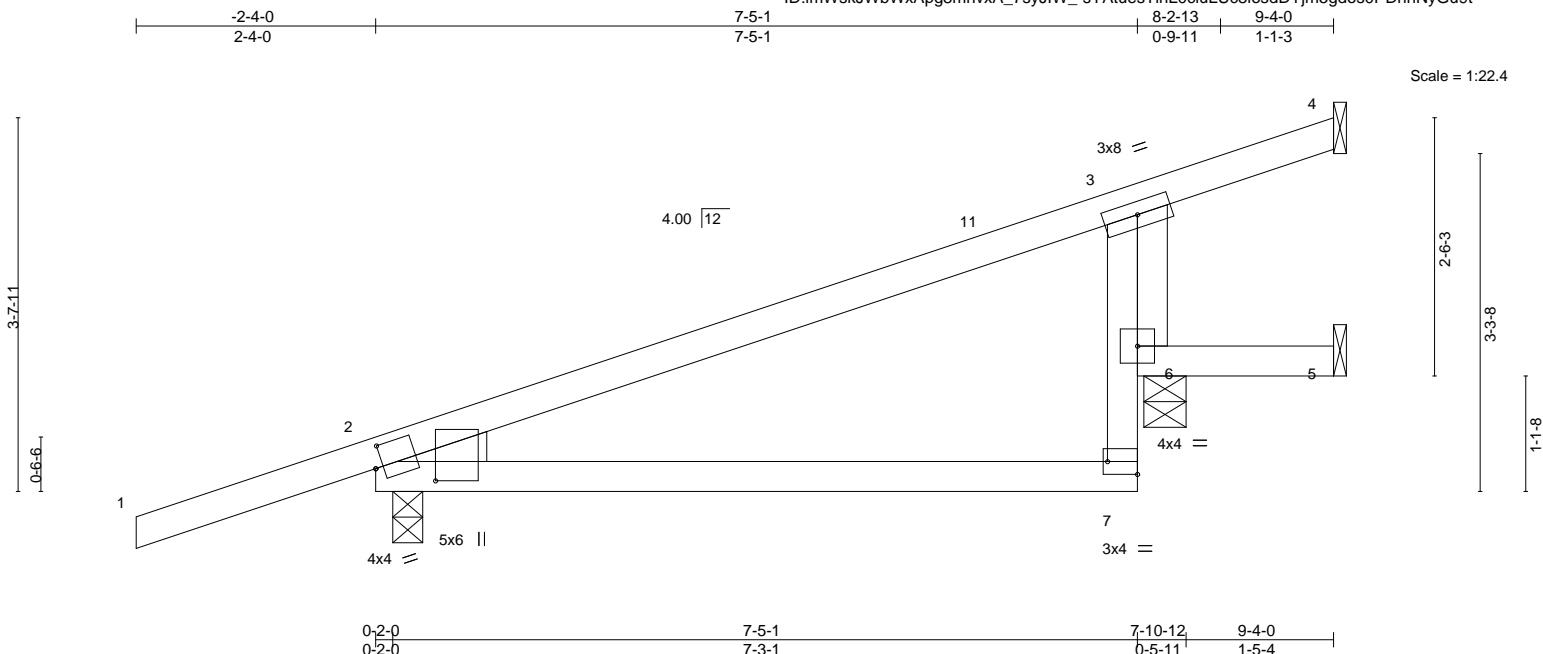


Plate Offsets (X,Y)--		[2:0-0-15,0-2-8], [2:0-1-7,0-7-0], [7:Edge,0-1-8]							
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL	1.25	TC 0.58		Vert(LL)	0.20 7-10 >434	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.49		Vert(CT)	0.17 7-10 >501		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.02 2 n/a		
BCDL 10.0		Code	FBC2017/TPI2014	Matrix-MR				Weight: 39 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2 \*Except\*  
3-7: 2x4 SP No.3  
WEBS 2x4 SP No.3  
WEDGE  
Left: 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 8-11-13 oc bracing.

**REACTIONS.** All bearings Mechanical except (jt=length) 2=0-3-8, 6=0-4-15.  
(lb) - Max Horz 2=227(LC 8)  
Max Uplift All uplift 100 lb or less at joint(s) 4, 5 except 2=320(LC 8), 6=278(LC 8)  
Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 2=408(LC 1), 6=357(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
BOT CHORD 2-7=270/108, 3-6=262/327

**NOTES-**  
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; porch left 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, 5 except (jt=lb) 2=320, 6=278.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969573
2465503	EJ03	Jack-Partial	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:11 2020 Page 1  
ID:imWskJWbWxApp8mhvxA\_7syJIW\_-KlkG6\_t5W?TtEvSX1Jg\_L3ARJ7AMP420F3yKDpyGu9s

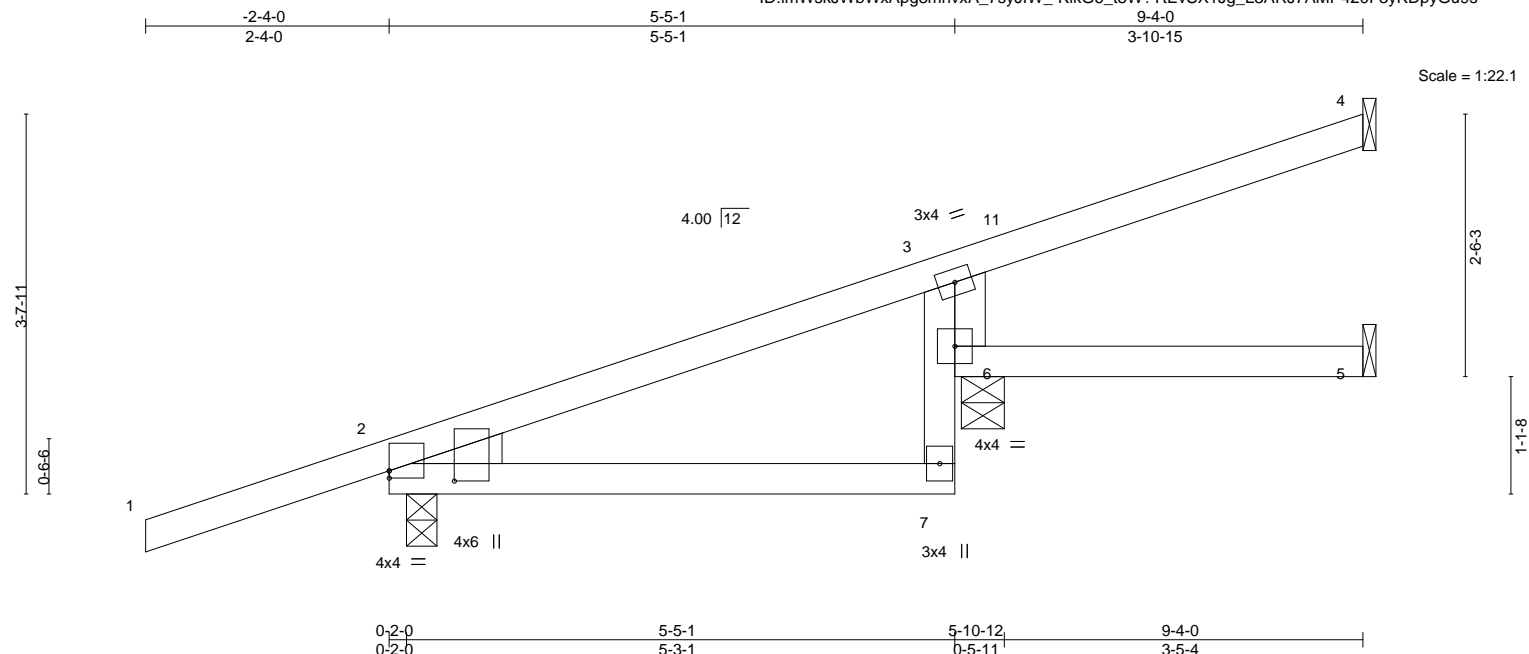


Plate Offsets (X,Y)--		[2:0-0-0,0-0-13], [2:0-1-3,0-7-8]									
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL	1.25	TC 0.39		Vert(LL)	0.05 7-10	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.23		Vert(CT)	0.04 7-10	>999	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.01 4	n/a	n/a		
BCDL 10.0		Code	FBC2017/TPI2014	Matrix-MR						Weight: 37 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2 \*Except\*  
3-7: 2x4 SP No.3  
WEBS 2x4 SP No.3  
WEDGE  
Left: 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 10-0-0 oc bracing.

**REACTIONS.** All bearings Mechanical except (jt=length) 2=0-3-8, 6=0-4-15.  
(lb) - Max Horz 2=227(LC 8)  
Max Uplift All uplift 100 lb or less at joint(s) 4 except 2=254(LC 8), 6=257(LC 8)  
Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 2=327(LC 1),  
6=367(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
BOT CHORD 3-6=270/337

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; porch left 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) 2=254, 6=257.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969574
2465503	EJ04	Jack-Partial	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:12 2020 Page 1  
ID:imWskJWbWxApg8mhvxA\_7syJIW\_-oxleJKtjHJbJr31jb1BDuHic3XXK8X19UjIulGyGu9r

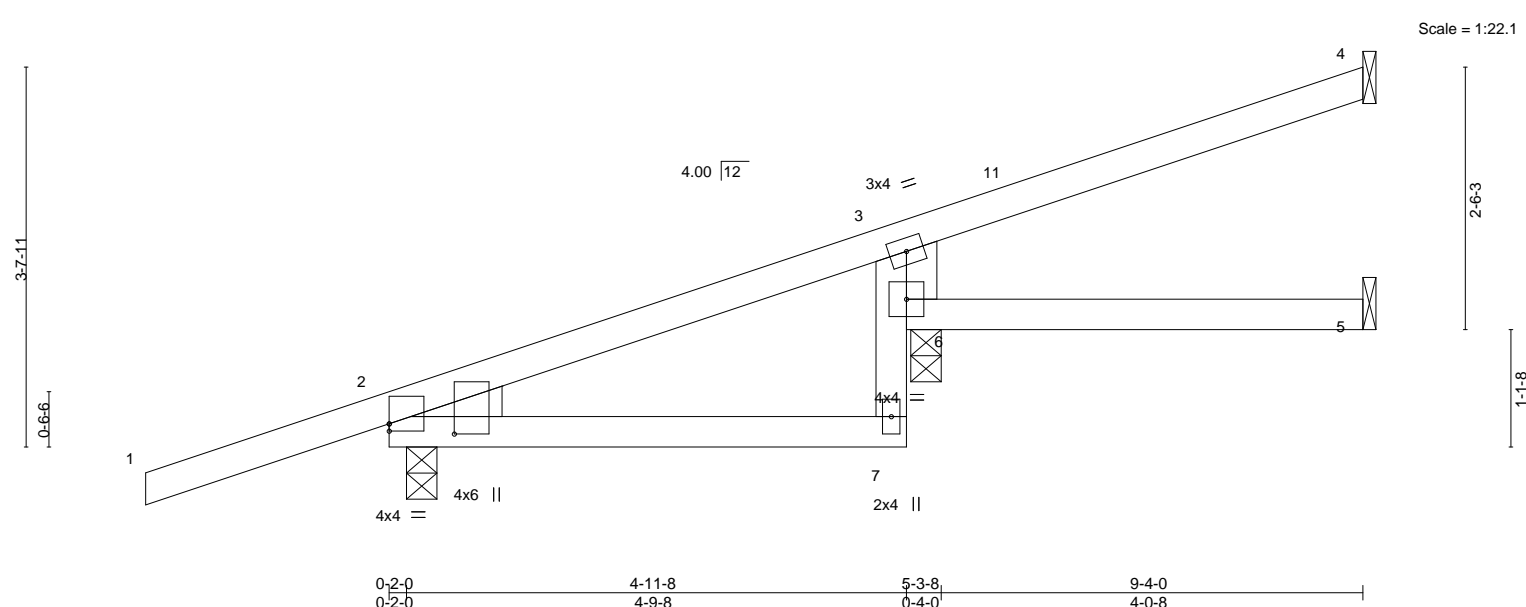


Plate Offsets (X,Y)-- [2:0-0-0,0-0-13], [2:0-1-3,0-7-8]														
LOADING (psf)		SPACING-- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d						PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	0.03	7-10	>999	240	MT20	244/190		
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.03	5-6	>999	180				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a				
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MR							Weight: 37 lb	FT = 20%		

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
	3-7: 2x4 SP No.3		
WEBS	2x4 SP No.3		
WEDGE			
Left:	2x4 SP No.3		

**REACTIONS.** All bearings Mechanical except (jt=length) 2=0-3-8, 6=0-3-8.  
(lb) - Max Horz 2=227(LC 8)  
Max Uplift All uplift 100 lb or less at joint(s) 4 except 2=237(LC 8), 6=256(LC 8)  
Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 2=305(LC 1), 6=375(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
BOT CHORD 3-6=279/348

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left 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) 2=237, 6=256.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
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**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969575
2465503	EJ05	Jack-Partial	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:13 2020 Page 1  
ID:imWskJWbWxApp8mhvxA\_7syJIW\_-G7s0XguL2cjaTDcw9kiSQUFnpwsnt\_YljNRRHiyGu9q

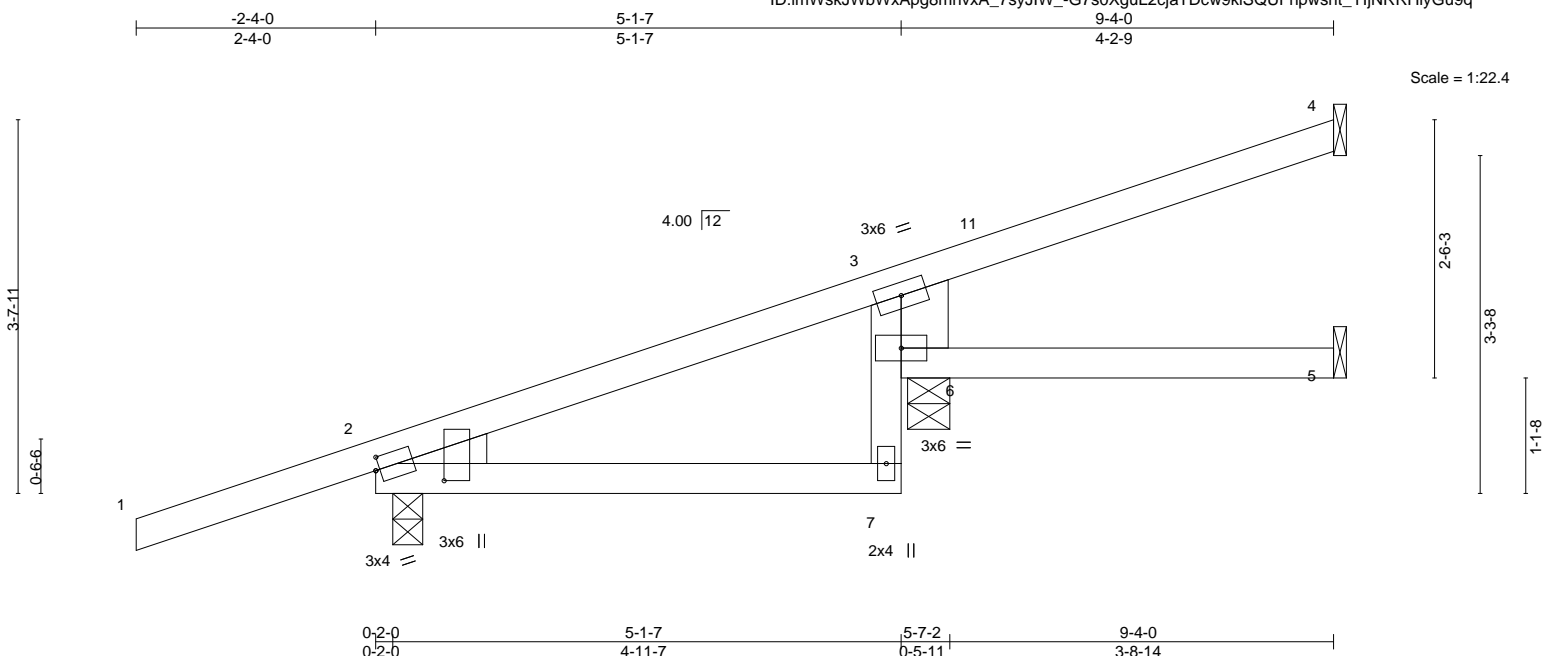


Plate Offsets (X,Y)-- [2:0-0-8,0-1-8], [2:0-1-3,0-8-0]													
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d				<b>PLATES</b>		<b>GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.01	5-6	>999	240	MT20	244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.03	5-6	>999	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a			
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MR							Weight: 38 lb	FT = 20%	

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2 \*Except\*  
3-7: 2x4 SP No.3  
WEBS 2x6 SP No.2  
WEDGE  
Left: 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 10-0-0 oc bracing.

**REACTIONS.** All bearings Mechanical except (jt=length) 2=0-3-8, 6=0-4-15.  
(lb) - Max Horz 2=201(LC 8)  
Max Uplift All uplift 100 lb or less at joint(s) 4 except 2=188(LC 8), 6=196(LC 8)  
Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 2=312(LC 1),  
6=372(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
BOT CHORD 3-6=276/312

**NOTES-**  
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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) 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)  
2=188, 6=196.



Walter P. Finn PE No.22839  
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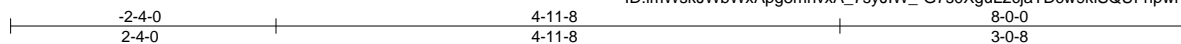


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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969576
2465503	EJ06	Jack-Partial	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:13 2020 Page 1  
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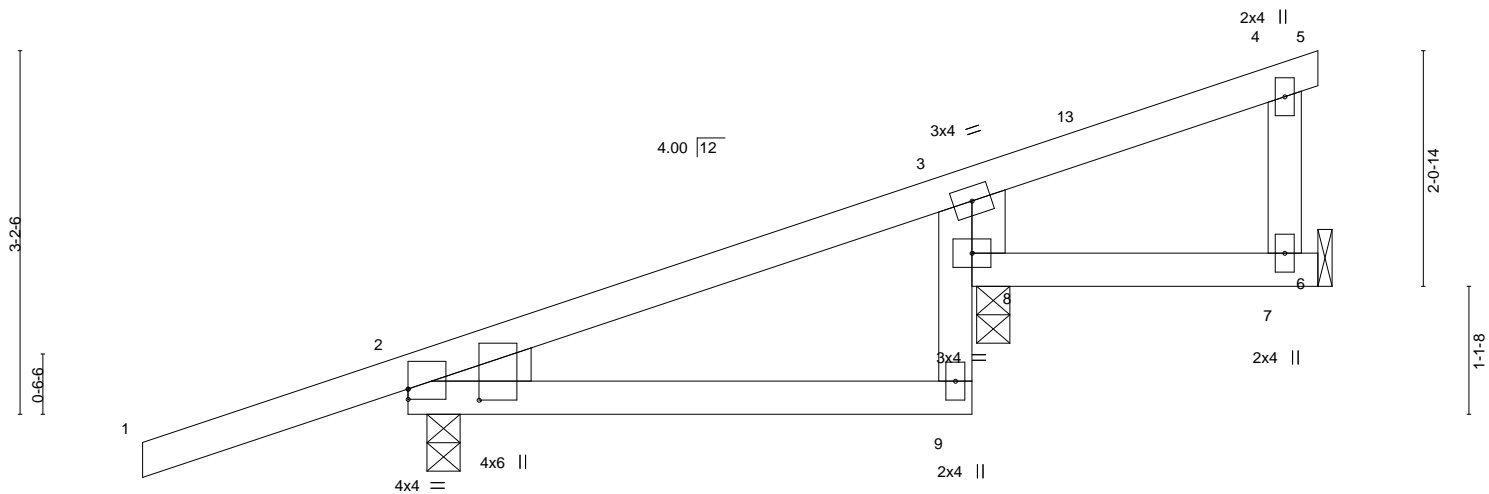


Plate Offsets (X,Y)--	[2:0-0-0,0-1-1], [2:0-1-3,0-7-8]
-----------------------	----------------------------------

LOADING (psf)	SPACING-	CSL	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.39	Vert(LL)	0.03	9-12	>999	240	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.19	Vert(CT)	0.03	9-12	>999	180		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.03	Horz(CT)	-0.00	8	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						Weight: 35 lb	FT = 20%
	Code FBC2017/TPI2014								

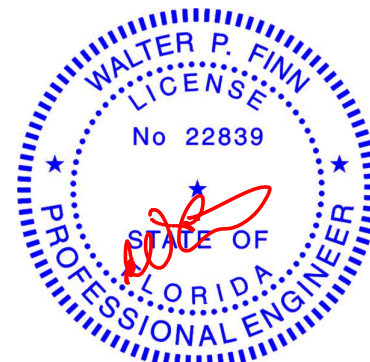
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2 \*Except\*  
3-9: 2x4 SP No.3  
WEBS 2x4 SP No.3  
WEDGE  
Left: 2x4 SP No.3

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

**REACTIONS.** (size) 2=0-3-8, 8=0-3-8, 7=Mechanical  
Max Horz 2=206(LC 8)  
Max Uplift 2=-255(LC 8), 8=-208(LC 8), 7=-52(LC 8)  
Max Grav 2=321(LC 1), 8=290(LC 1), 7=95(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
BOT CHORD 3-8=-213/285

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; porch left 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) 7 except (jt=lb) 2=255, 8=208.



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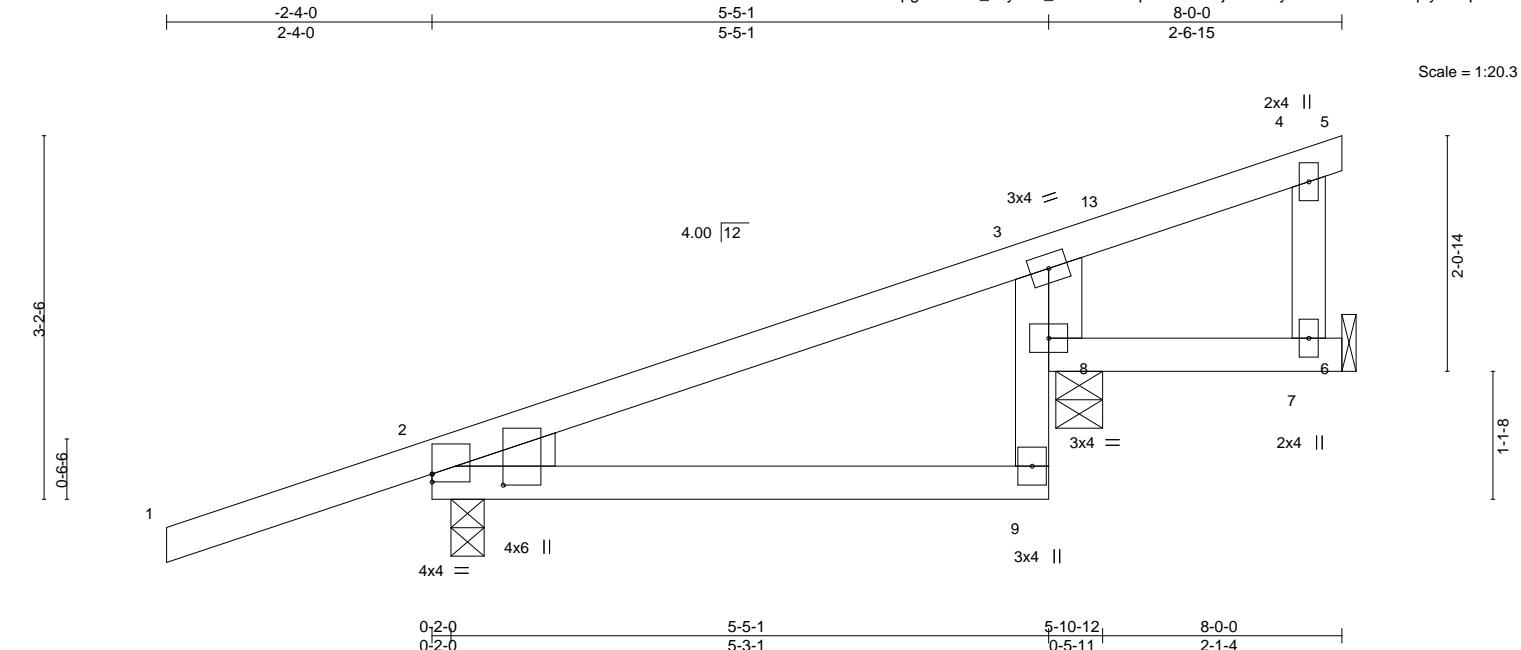
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969577
2465503	EJ07	Jack-Partial	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:14 2020 Page 1  
ID:imWskJWbWxAppg8mhvxA\_7syJIW\_-kKQOk0vzpwR5MB6jSDhzinyZKBucRSSx1B?g8yGu9p



LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.39	Vert(LL)	0.05	9-12	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.24	Vert(CT)	0.04	9-12	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.02	Horz(CT)	-0.01	2	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						
	Code FBC2017/TPI2014						Weight: 35 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
3-9: 2x4 SP No.3	
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3	

**REACTIONS.** (size) 2=0-3-8, 8=0-4-15, 7=Mechanical  
Max Horz 2=206(LC 8)  
Max Uplift 2=270(LC 8), 8=213(LC 8), 7=43(LC 8)  
Max Grav 2=339(LC 1), 8=288(LC 1), 7=79(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
BOT CHORD 3-8=210/281

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left 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) 7 except (jt=lb) 2=270, 8=213.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969578
2465503	EJ08	Jack-Partial	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:15 2020 Page 1  
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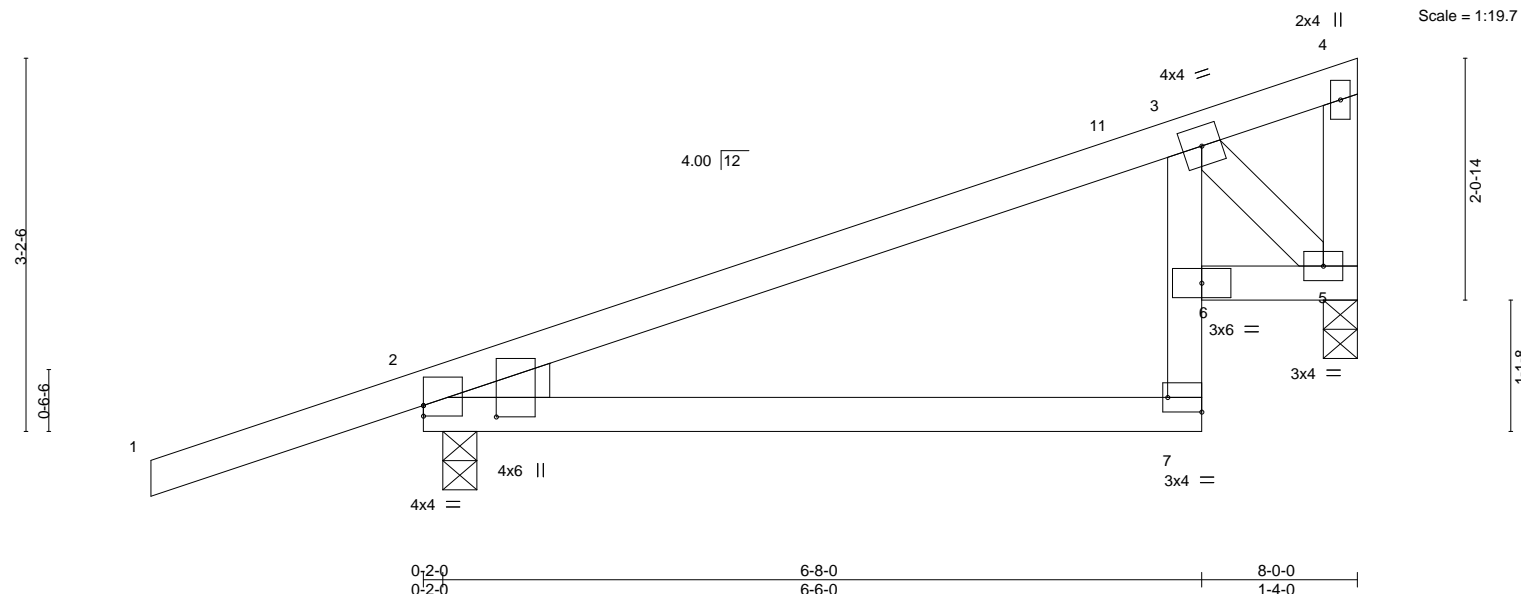


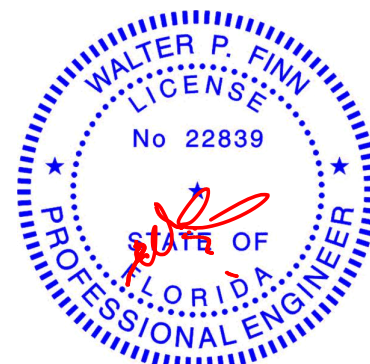
Plate Offsets (X,Y)--		[2:0-0-0,0-1-1], [2:0-1-3,0-7-8], [7:Edge,0-1-8]	
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.41
TCDL 7.0	Lumber DOL	1.25	BC 0.76
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.19
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS
			<b>DEFL.</b>
			in (loc) l/defl L/d
			Vert(LL) 0.13 7-10 >728 240
			Vert(CT) 0.11 7-10 >836 180
			Horz(CT) -0.03 5 n/a n/a
			<b>PLATES</b> <b>GRIP</b>
			MT20 244/190
			Weight: 37 lb FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 7-6-15 oc bracing.
3-7: 2x4 SP No.3	
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3	

**REACTIONS.** (size) 2=0-3-8, 5=0-3-8  
Max Horz 2=204(LC 8)  
Max Uplift 2=-351(LC 8), 5=-232(LC 8)  
Max Grav 2=435(LC 1), 5=272(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-268/287  
BOT CHORD 2-7=-456/217, 5-6=-451/258  
WEBS 3-5=-358/625

**NOTES-**  
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60  
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=351, 5=232.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

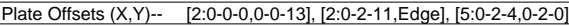
November 22,2020

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8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:16 2020 Page 1  
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**LUMBER-**  
 TOP CHORD 2x4 SP No.2  
 BOT CHORD 2x4 SP No.2  
 WEBS 2x4 SP No.3 \*Except\*  
 4-6: 2x8 SP 2400F 2.0E  
 WEDGE  
 Left: 2x4 SP No.3

<b>BRACING-</b>	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-4-11 oc bracing.

**REACTIONS.** (size) 2=0-3-8, 6=0-3-8  
 Max Horz 2=175(LC 8)  
 Max Uplift 2=-349(LC 8), 6=-225(LC 8)  
 Max Grav 2=430(LC 1), 6=266(LC 1)

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

TOP CHORD 2-3=-360/445  
BOT CHORD 2-5=-584/336  
WEBS 5-6=-266/472, 3-5=-360/625

### NOTES-

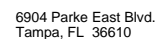
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=349, 6=225.



November 22, 2020



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6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969581
2465503	EJ11	Jack-Partial	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:18 2020 Page 1  
ID:imWskJWbWxAppg8mhvxA\_7syJIW\_-d5fvaOyUs9Lta\_VtyHld7YyeaxYmYEn1sf9CzvyGu9l

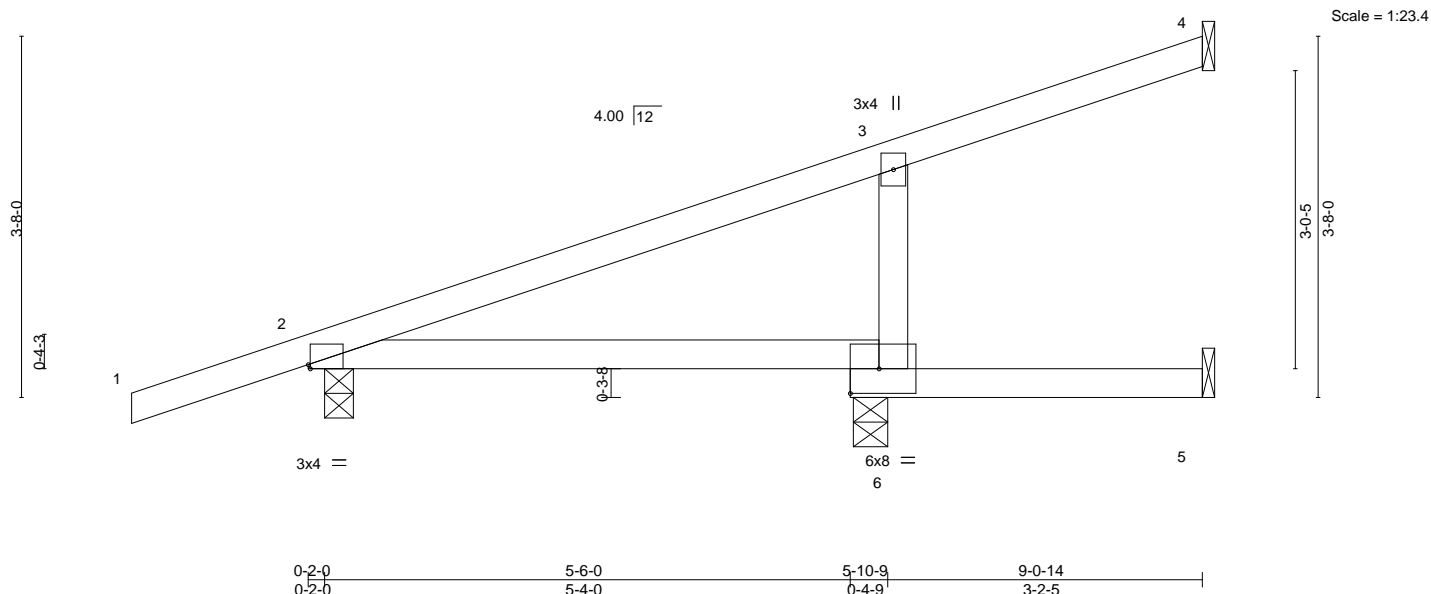


Plate Offsets (X,Y)--		[2:0-0-4,Edge]									
<b>LOADING</b> (psf)		<b>SPACING-</b>		<b>CSI.</b>		<b>DEFL.</b>				<b>PLATES</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	0.08	6-9	>877	240	MT20
TCDL	7.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	0.07	6-9	>999	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a	
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							
										Weight: 34 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 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings Mechanical except (jt=length) 6=0-4-3, 2=0-3-8.  
(lb) - Max Horz 2=178(LC 8)  
Max Uplift All uplift 100 lb or less at joint(s) 4 except 6=286(LC 8), 2=236(LC 8)  
Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 6=395(LC 1), 2=305(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
BOT CHORD 3-6=270/333

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left 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) 6=286, 2=236.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969582
2465503	EJ12	Jack-Partial	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:19 2020 Page 1  
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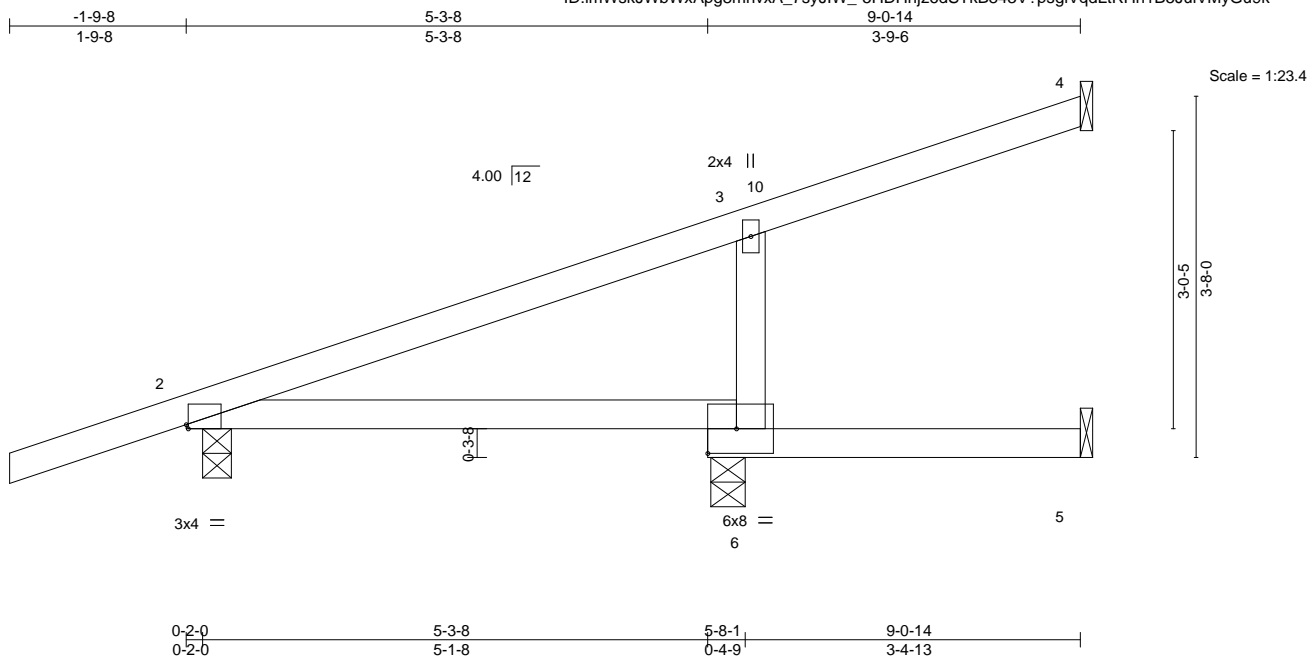


Plate Offsets (X,Y)--		[2:0-0-4,Edge]										
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	0.07	6-9	>982	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	0.06	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS						Weight: 34 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 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings Mechanical except (jt=length) 6=0-4-3, 2=0-3-8.  
(lb) - Max Horz 2=178(LC 8)  
Max Uplift All uplift 100 lb or less at joint(s) 4 except 6=279(LC 8), 2=230(LC 8)  
Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 6=391(LC 1), 2=298(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
BOT CHORD 3-6=268/330

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; porch left 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) 6=279, 2=230.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969583
2465503	EJ13	Jack-Partial	4	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL),	Jacksonville, FL - 32244,
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8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:20 2020 Page 1

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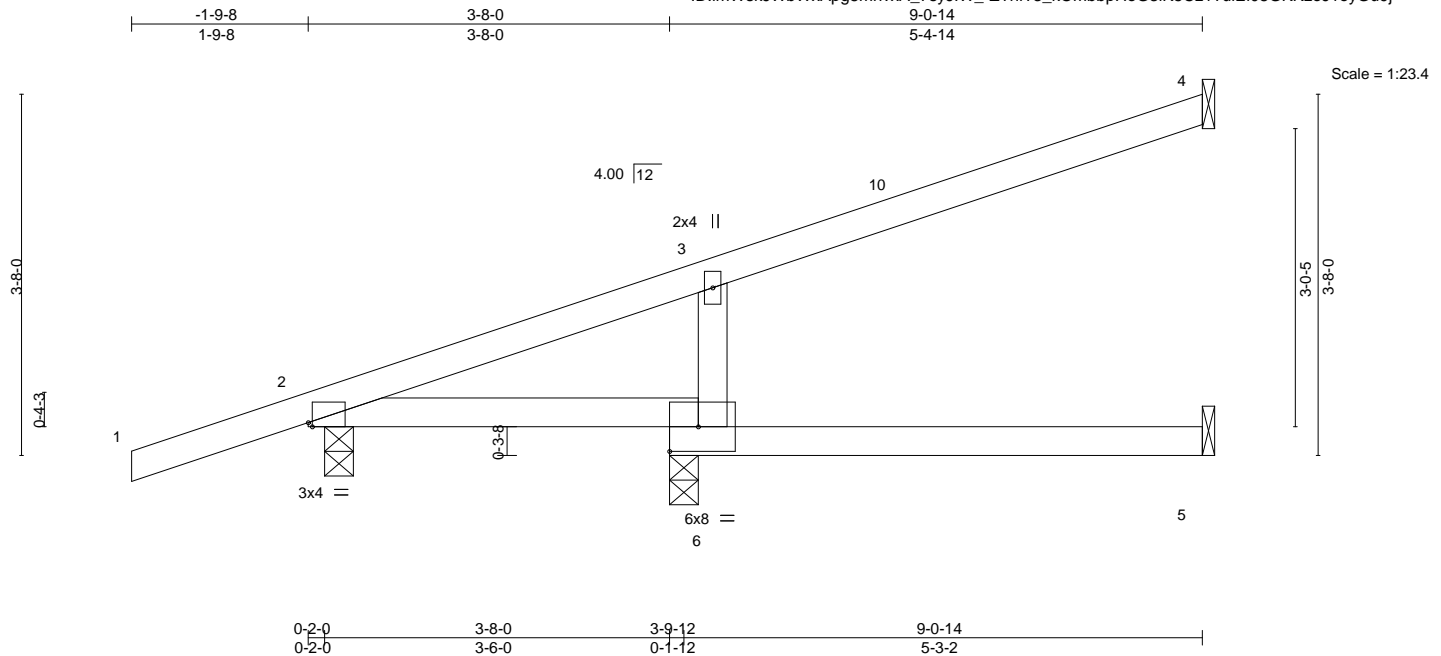


Plate Offsets (X,Y)-- [2:0-0-8,Edge]									
<b>LOADING</b> (psf)		<b>SPACING--</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.02 5-6 >999	240	MT20 244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.03 5-6 >999	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00 4 n/a	n/a	
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 33 lb FT = 20%

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

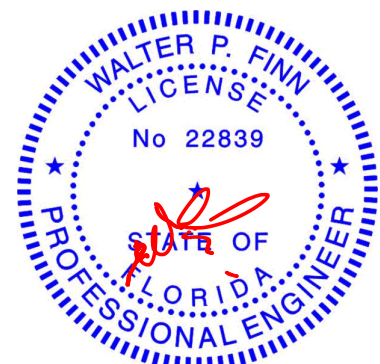
<b>BRACING-</b>	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS.** All bearings Mechanical except (jt=length) 6=0-3-8, 2=0-3-8.  
 (lb) - Max Horz 2=178(LC 8)  
 Max Uplift All uplift 100 lb or less at joint(s) 4 except 6=251(LC 8), 2=178(LC 8)  
 Max Grav All reactions 250 lb or less at joint(s) 4, 5, 2 except 6=398(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
BOT CHORD 3-6=-288/349

**NOTES-**

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left 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) 6=251. 2=178.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22, 2020

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

**WARNING:** Varying design parameters are listed on this and included with the reference page MIP4743167, 3/15/2020 (2) of ONE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for the full building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCS1 Building Component Safety Information** available from Truss Plate Institute, 26720 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 36610





Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969584
2465503	HJ12	Roof Special Girder	1	1	Job Reference (optional)	

**LOAD CASE(S)** Standard  
 Concentrated Loads (lb)  
 Vert: 4=-237(F=-119, B=-119) 5=-131(F=-66, B=-66) 12=63(F=32, B=32) 14=-50(F=-25, B=-25) 15=76(F=38, B=38) 16=6(F=3, B=3) 17=-47(F=-23, B=-23)



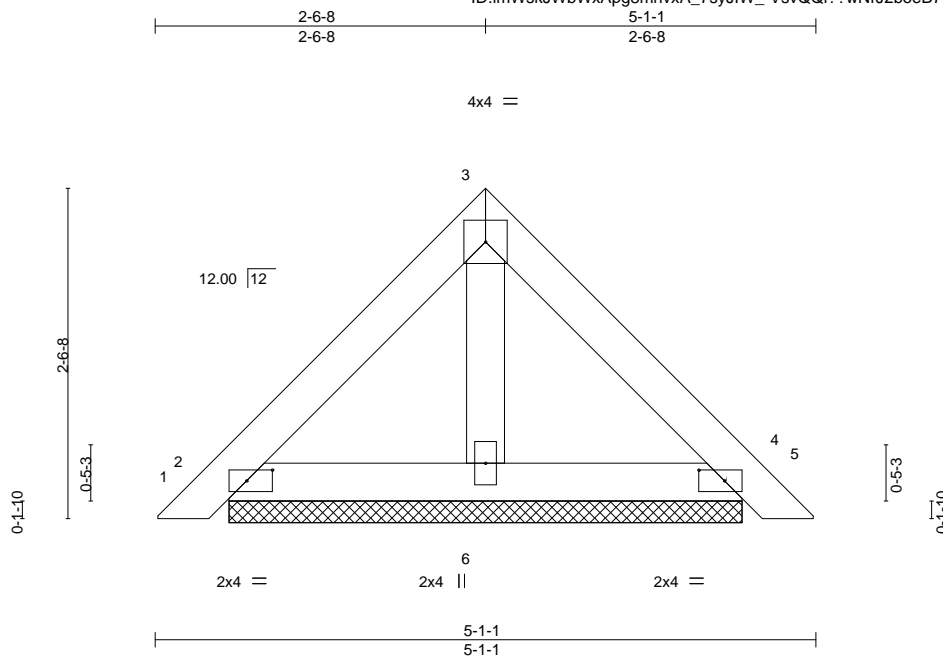
Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969585
2465503	PB01	Piggyback	5	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:22 2020 Page 1

ID:imWskJWbWxApg8mhvx\_A\_7syJIW\_-VsvQI?wNrJ2boeB7MZIO7OGZzxU2adnH7Q6gyGu9h



Scale = 1:17.7

Plate Offsets (X,Y)--		[2:0-2-6,0-1-0], [4:0-2-6,0-1-0]										
<b>LOADING</b>	(psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in	(loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-P							Weight: 19 lb	FT = 20%

#### LUMBER-

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

#### BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-1-1 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

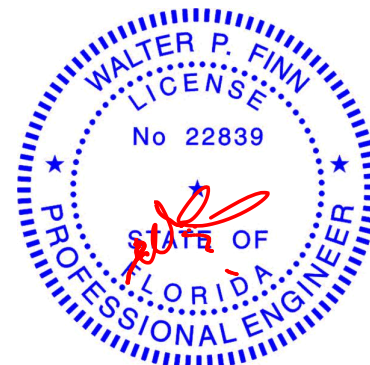
#### REACTIONS.

(size) 2=3-11-6, 4=3-11-6, 6=3-11-6  
Max Horz 2=72(LC 11)  
Max Uplift 2=-53(LC 13), 4=-60(LC 13), 6=-13(LC 12)  
Max Grav 2=108(LC 1), 4=108(LC 1), 6=116(LC 3)

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

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969586
2465503	PB01G	PIGGYBACK	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:23 2020 Page 1  
ID:imWskJWbWxAp8mhvxA\_7syJIW\_-z2Sod50dhhzAglNkrtoqbfaZyJODVtn0xsze7yGu9g

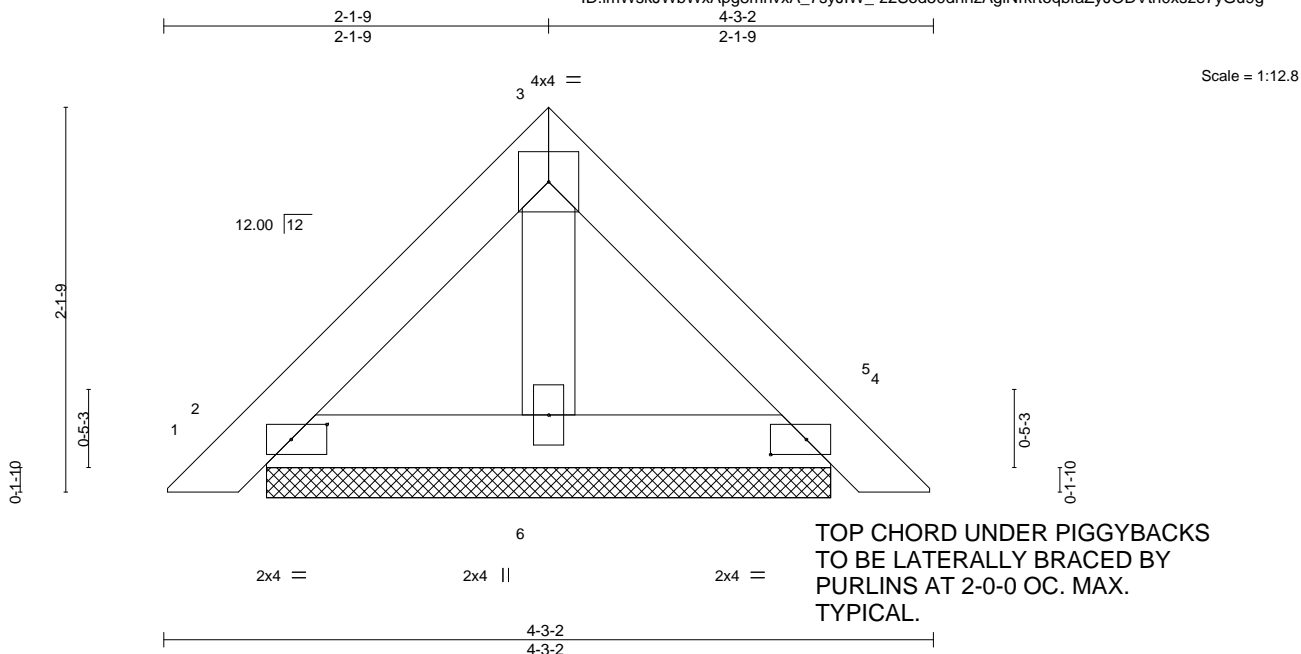


Plate Offsets (X,Y)--		[2:0-2-6,0-1-0], [4:0-2-6,0-1-0]						
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc)	<b>l/defl</b>	<b>L/d</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL 1.25	TC 0.05	Vert(LL) 0.00 4	n/r	120	MT20	244/190
TCDL 7.0		Lumber DOL 1.25	BC 0.03	Vert(CT) 0.00 4	n/r	120		
BCLL 0.0 *		Rep Stress Incr YES	WB 0.01	Horz(CT) 0.00 4	n/a	n/a		
BCDL 10.0		Code FBC2017/TPI2014	Matrix-P				Weight: 15 lb	FT = 20%

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

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 4-3-2 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 2=3-1-8, 4=3-1-8, 6=3-1-8  
Max Horz 2=-60(LC 10)  
Max Uplift 2=-44(LC 12), 4=-50(LC 13), 6=-9(LC 12)  
Max Grav 2=90(LC 1), 4=90(LC 1), 6=91(LC 3)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
  - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969587
2465503	PB02	Piggyback	11	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:24 2020 Page 1  
ID:imWskJWbWxApg8mhvx\_A\_7syJIW\_-RF0AqR1FS?61Ivy1YP1NpCghMcDyxwwEbcWAZyGu9f

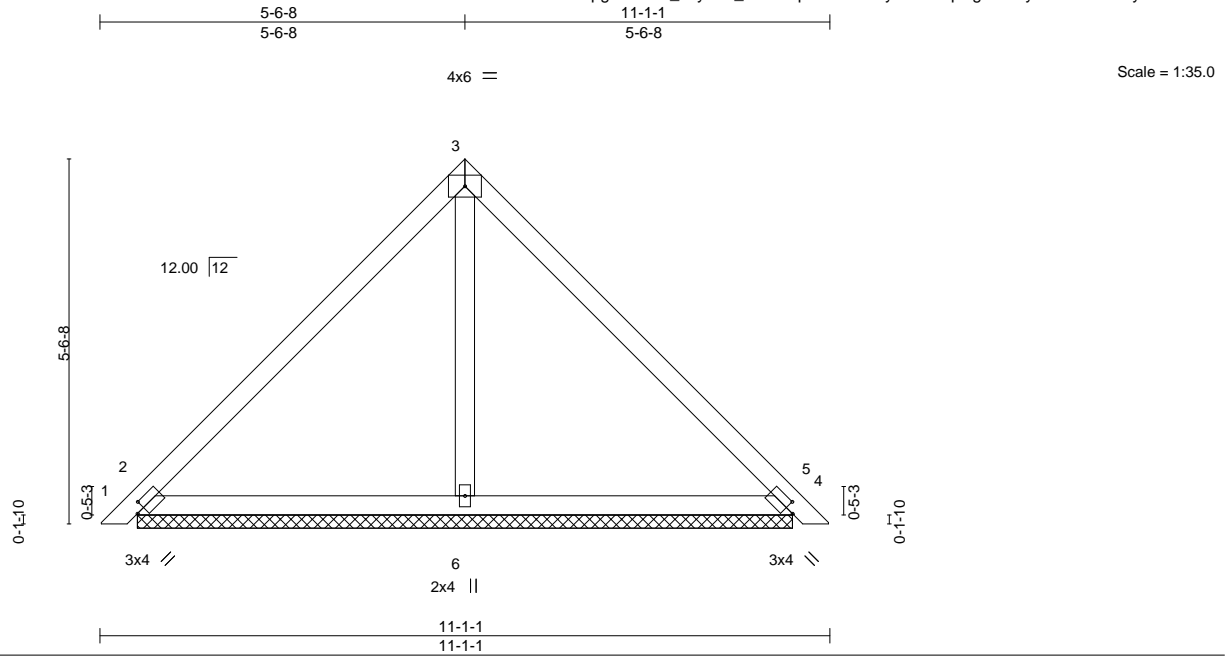


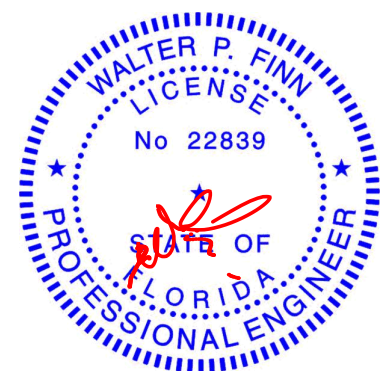
Plate Offsets (X,Y)--		[2:0-1-9,0-1-8], [4:0-1-9,0-1-8]	
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSL</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.35
TCDL 7.0	Lumber DOL	1.25	BC 0.24
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-S
			<b>DEFL.</b>
			in (loc) l/defl L/d
			Vert(LL) 0.01 5 n/r 120
			Vert(CT) 0.01 5 n/r 120
			Horz(CT) 0.00 4 n/a n/a
			<b>PLATES</b> <b>GRIP</b>
			MT20 244/190
			Weight: 45 lb FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	

**REACTIONS.** (size) 2=9-11-6, 4=9-11-6, 6=9-11-6  
Max Horz 2=-166(LC 10)  
Max Uplift 2=-96(LC 13), 4=-102(LC 13), 6=-92(LC 12)  
Max Grav 2=223(LC 1), 4=223(LC 1), 6=329(LC 1)

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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) Gable requires continuous bottom chord bearing.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 4=102.
  - 7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969588
2465503	PB02G	GABLE	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:25 2020 Page 1  
ID:imWskJWbWxApG8mhvxA\_7syJIW\_-wRaY2n1tDIETv3XDsfwGv0lvTmzEhOQ3TEL4j?yGu9e

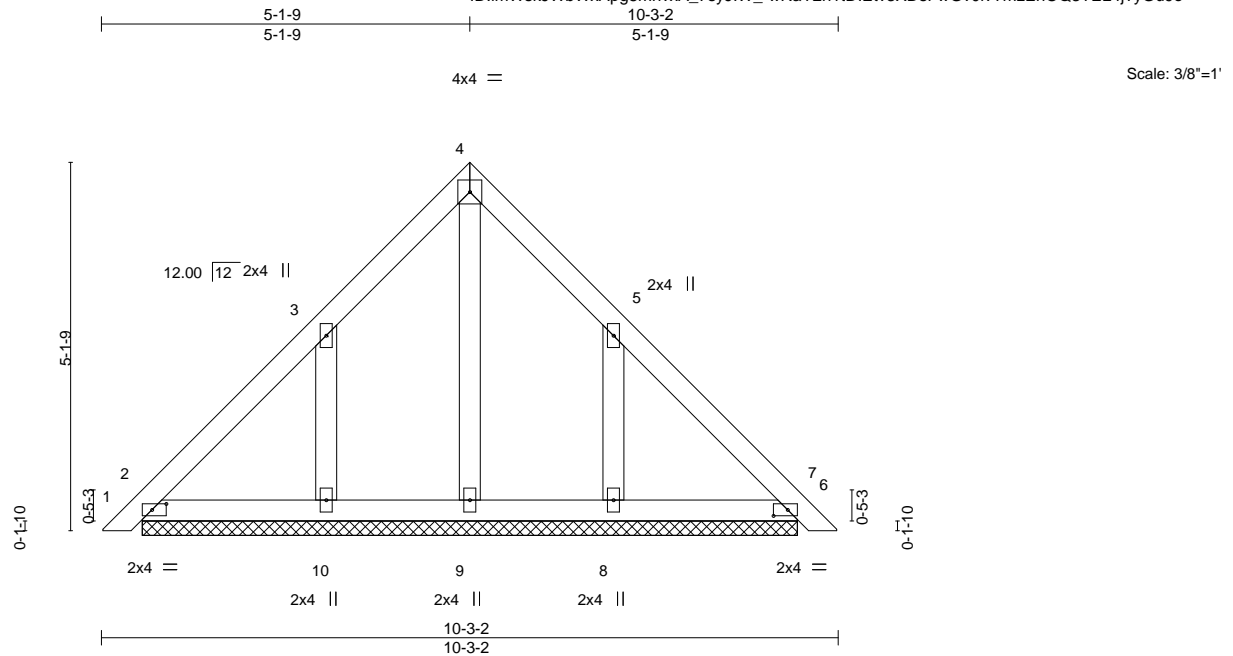


Plate Offsets (X,Y)--		[2:0-2-6,0-1-0], [6:0-2-6,0-1-0]	
<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSL</b>	<b>DEFL.</b>
TCLL 20.0	Plate Grip DOL 1.25	TC 0.09	in (loc) l/defl L/d
TCDL 7.0	Lumber DOL 1.25	BC 0.07	Vert(LL) 0.00 6 n/r 120
BCLL 0.0 *	Rep Stress Incr YES	WB 0.07	Vert(CT) 0.00 7 n/r 120
BCDL 10.0	Code FBC2017/TPI2014	Matrix-S	Horz(CT) 0.00 6 n/a n/a
		<b>PLATES</b>	<b>GRIP</b>
		MT20	244/190
		Weight: 49 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 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 10'-0-0 oc bracing.

**REACTIONS.** All bearings 9-1-8.  
(lb) - Max Horz 2=153(LC 11)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 10=235(LC 12), 8=234(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 10=254(LC 19), 8=252(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**WEBS** 3-10=250/238, 5-8=250/238

- 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=18ft; 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - 4) Gable requires continuous bottom chord bearing.
  - 5) Gable studs spaced at 2'-0-0 oc.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6-0 tall by 2'-0-0 wide will fit between the bottom chord and any other members.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 10=235, 8=234.
  - 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
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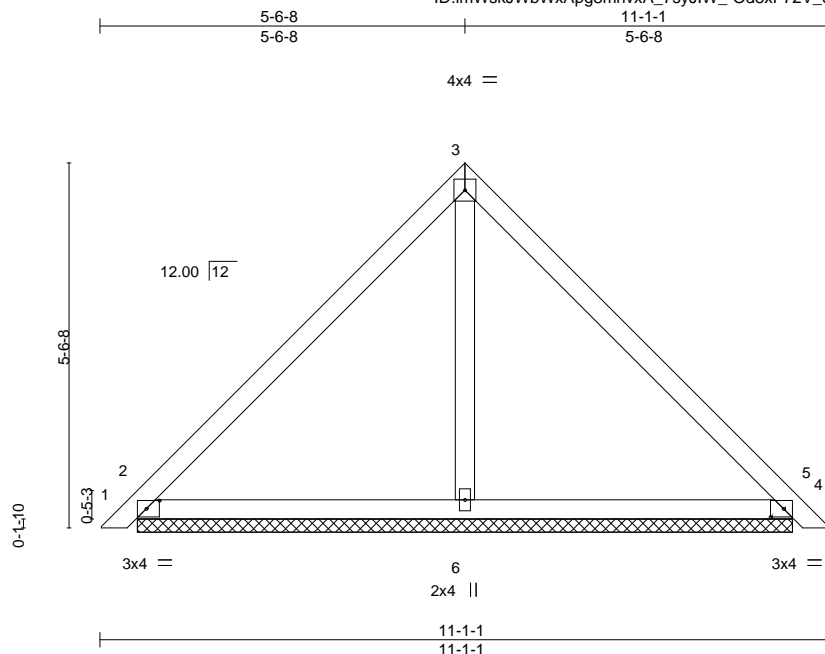


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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969589
2465503	PB03	Piggyback	2	2	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:26 2020 Page 1  
ID:imWskJWbWxApp8mhvx\_A\_7syJIW\_-Od8x72V\_cMkXC6QQzRVSEH3wAJbQsODiu5dFSyGu9d



Scale = 1:35.0

Plate Offsets (X,Y)--		[2:0-2-6,0-1-8], [4:0-2-6,0-1-8]									
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL	1.25	TC 0.17		Vert(LL)	0.00	5	n/r	120	MT20
TCDL 7.0		Lumber DOL	1.25	BC 0.12		Vert(CT)	0.01	5	n/r	120	244/190
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.02		Horz(CT)	0.00	4	n/a	n/a	
BCDL 10.0		Code	FBC2017/TPI2014	Matrix-S							
										Weight: 90 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 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 10-0-0 oc bracing.

**REACTIONS.** (size) 2=9-11-6, 4=9-11-6, 6=9-11-6  
Max Horz 2=166(LC 11)  
Max Uplift 2=-96(LC 13), 4=-102(LC 13), 6=-92(LC 12)  
Max Grav 2=223(LC 1), 4=223(LC 1), 6=329(LC 1)

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

#### NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 4=102.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969590
2465503	PB04	Piggyback	7	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:27 2020 Page 1  
ID:imWskJWbWxAppg8mhvxA\_7syJlW\_-sqiJTT37lwUb9Mhczgyk?RqBkad19lhMxYqBnuyGu9c

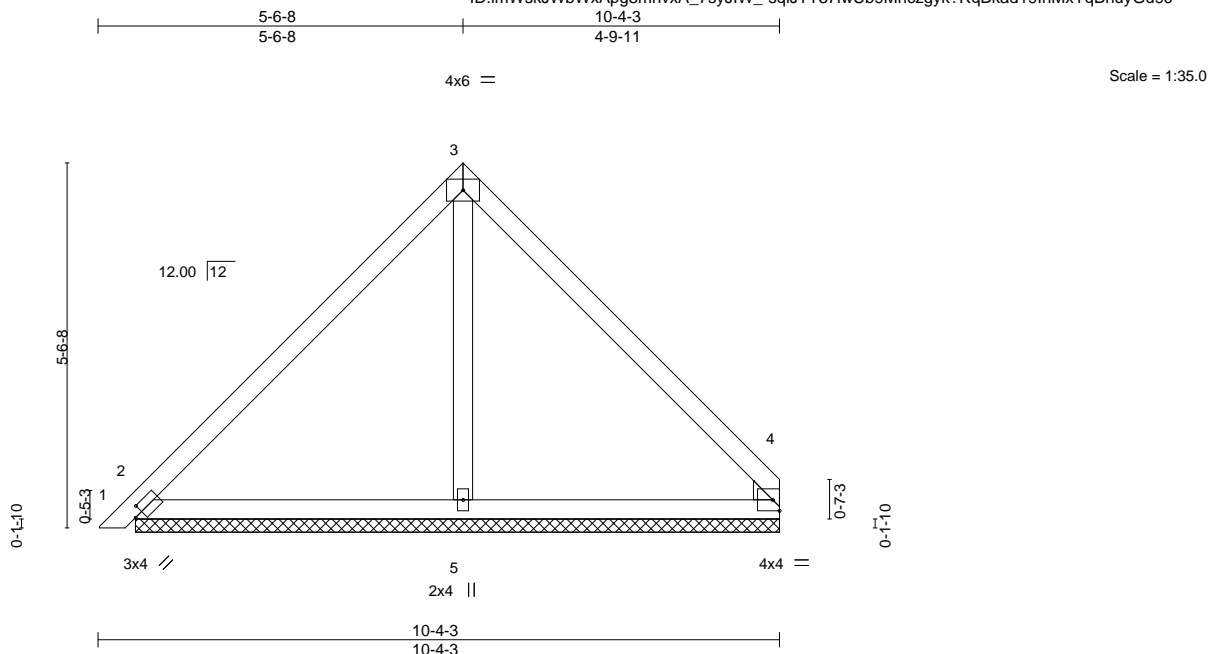


Plate Offsets (X,Y)--		[2:0-1-9,0-1-8], [4:0-0-10,0-0-10], [4:0-3-9,0-1-4]									
LOADING (psf)	SPACING-		CSL	DEFL.	in	(loc)	l/defl	L/d		PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.36	Vert(LL)	-0.00	1	n/r	120		MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.24	Vert(CT)	0.00	1	n/r	120			
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.00	4	n/a	n/a			
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-S							Weight: 44 lb	FT = 20%

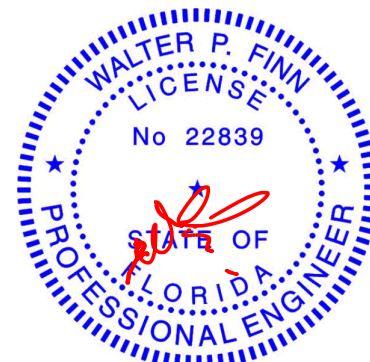
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3  
WEDGE  
Right: 2x4 SP No.3

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

**REACTIONS.** (size) 2=9-9-6, 4=9-9-6, 5=9-9-6  
Max Horz 2=163(LC 11)  
Max Uplift 2=-96(LC 13), 4=-87(LC 13), 5=-90(LC 12)  
Max Grav 2=225(LC 1), 4=199(LC 1), 5=319(LC 1)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6-0 tall by 2'-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 5.
  - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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

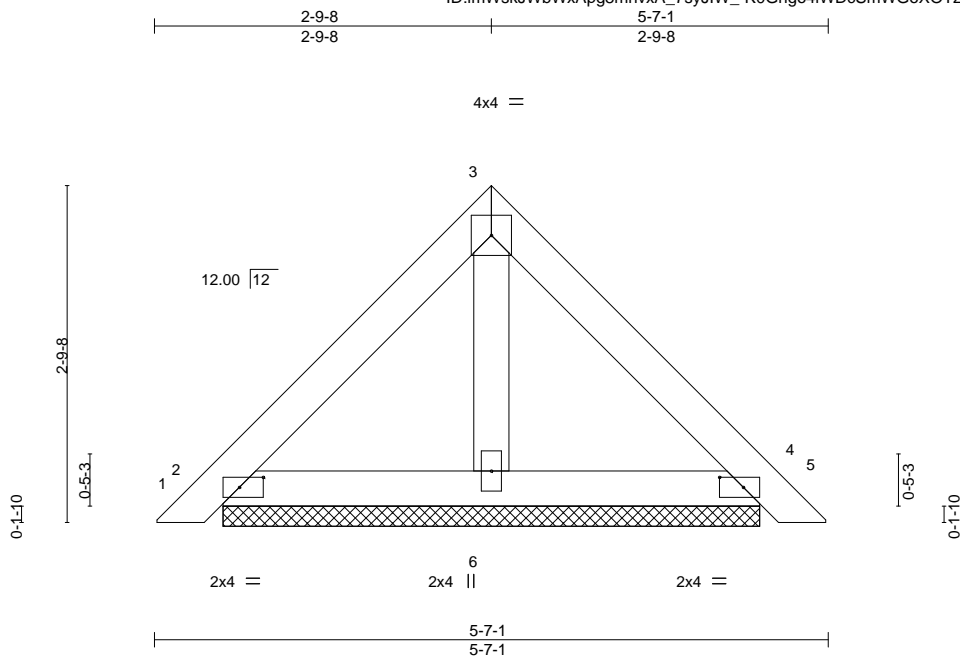
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969591
2465503	PB05	Piggyback	5	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:28 2020 Page 1  
ID:imWskJWbWxApg8mhvx\_A\_7syJIW\_-K0Ghgo4lWDcSmWGoXOTzXfNQMz0Aum1W9CakJKyGu9b



Scale = 1:19.1

Plate Offsets (X,Y)--		[2:0-2-6,0-1-0], [4:0-2-6,0-1-0]	
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSL</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.11
TCDL 7.0	Lumber DOL	1.25	BC 0.05
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-P
			<b>DEFL.</b>
			in (loc) l/defl L/d
			Vert(LL) 0.00 5 n/r 120
			Vert(CT) 0.00 5 n/r 120
			Horz(CT) 0.00 4 n/a n/a
			<b>PLATES</b>
			MT20
			<b>GRIP</b>
			244/190
			Weight: 21 lb FT = 20%

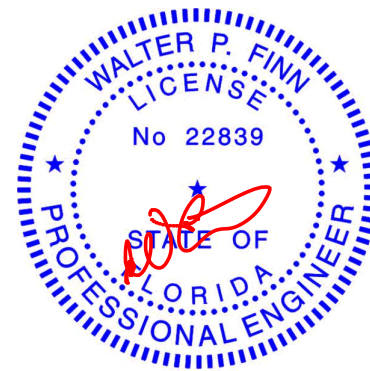
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 5-7-1 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 2=4-5-6, 4=4-5-6, 6=4-5-6  
Max Horz 2=-80(LC 10)  
Max Uplift 2=-59(LC 13), 4=-65(LC 13), 6=-16(LC 12)  
Max Grav 2=119(LC 1), 4=119(LC 1), 6=130(LC 3)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
  - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969592
2465503	PB05G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL),	Jacksonville, FL - 32244,
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8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:29 2020 Page 1

ID:imWskJWbWxApg8mhvxA\_7syJIW\_-oCq3u85OHXkJOgq\_55\_C4svbkNMgdDKfOsJHsmyGu9a

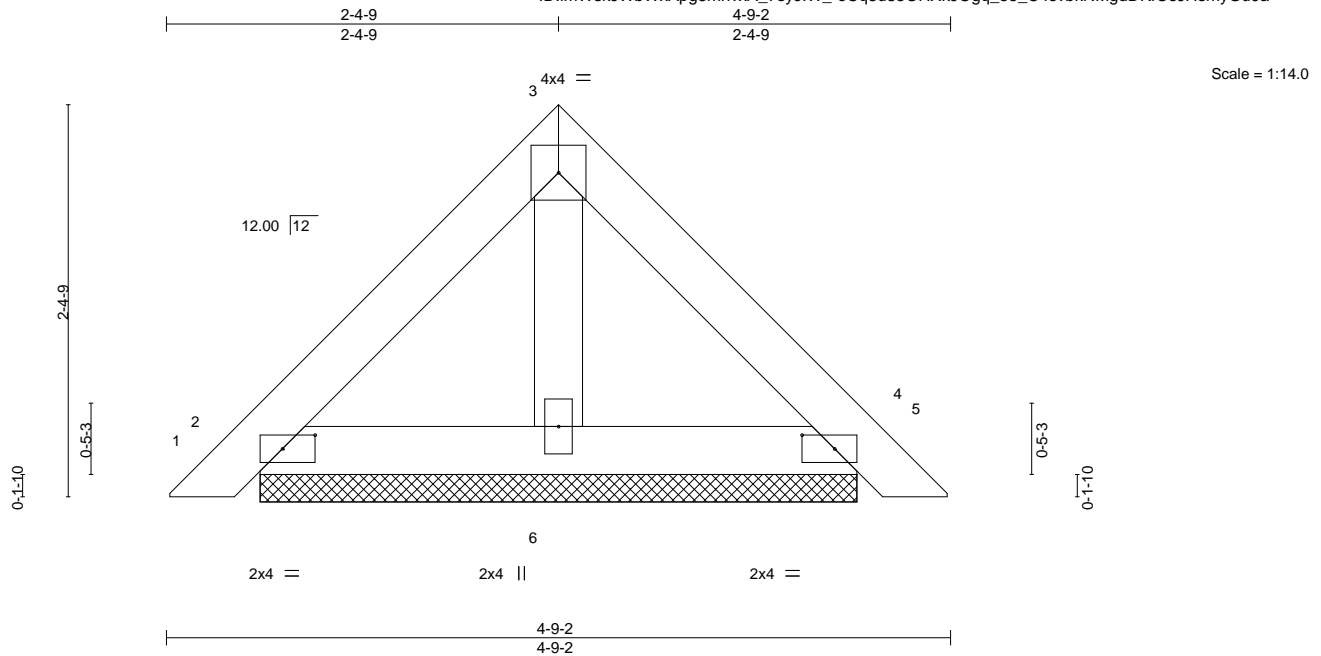


Plate Offsets (X,Y)-- [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 18 lb	FT = 20%

**LUMBER-**

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.3

**BRACING-**

TOP CHORD	Structural wood sheathing directly applied or 4-9-2 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.**

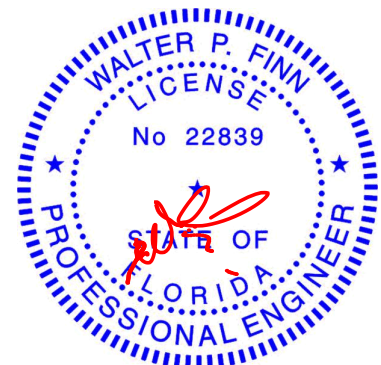
(size) 2=3-7-8, 4=3-7-8, 6=3-7-8  
 Max Horz 2=-67(LC 10)  
 Max Uplift 2=-49(LC 13), 4=-56(LC 13), 6=-12(LC 12)  
 Max Grav 2=101(LC 1), 4=101(LC 1), 6=106(LC 3)

**FORCES.**

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

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2'-0" 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" tall by 2'-0" wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22, 2020



**WARNING:** Varying design parameters and READ NOTES ON THIS AND INCLUDED W/ITER REFERENCE PAGE MP147316V, 3/15/2020 (BY ONE USE).  
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for a building building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCS1 Building Component**  
**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969593
2465503	PB06	Piggyback	1	2	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:30 2020 Page 1  
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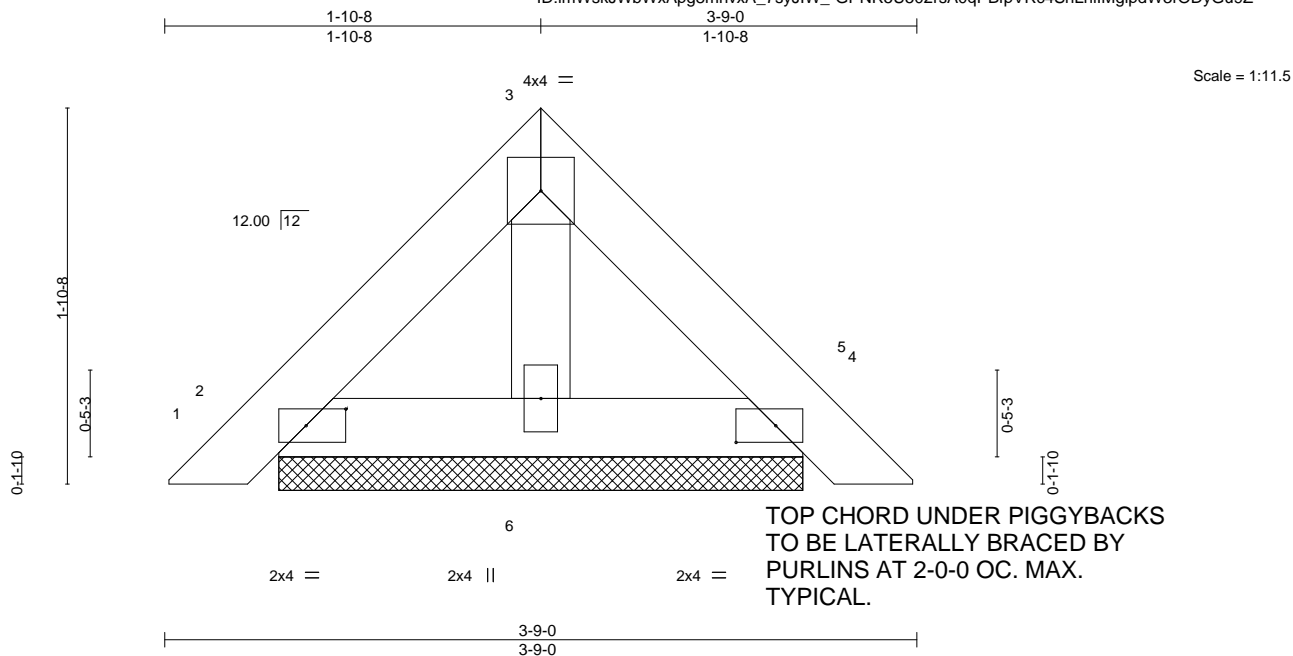


Plate Offsets (X,Y)--		[2:0-2-6,0-1-0], [4:0-2-6,0-1-0]									
LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d		PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.02	Vert(LL)	0.00	4	n/r	120		MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.01	Vert(CT)	0.00	4	n/r	120			
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	4	n/a	n/a			
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-P							Weight: 27 lb	FT = 20%

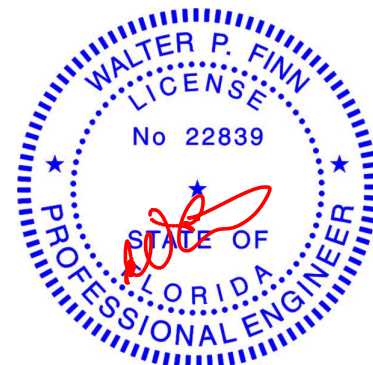
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

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

**REACTIONS.** (size) 2=2-7-6, 4=2-7-6, 6=2-7-6  
Max Horz 2=-52(LC 10)  
Max Uplift 2=-39(LC 12), 4=-45(LC 13), 6=-7(LC 12)  
Max Grav 2=79(LC 1), 4=79(LC 1), 6=76(LC 3)

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

- NOTES-**
- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
  - 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=18ft; 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
  - 5) Gable requires continuous bottom chord bearing.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
  - 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969594
2465503	PB07	Piggyback	9	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:31 2020 Page 1  
ID:imWskJWbWxApp8mhvxA\_7syJIW\_-kxqlq6ep8\_1d\_\_NCW1g9H?yoB2O57uysAoOwfyGu9Y

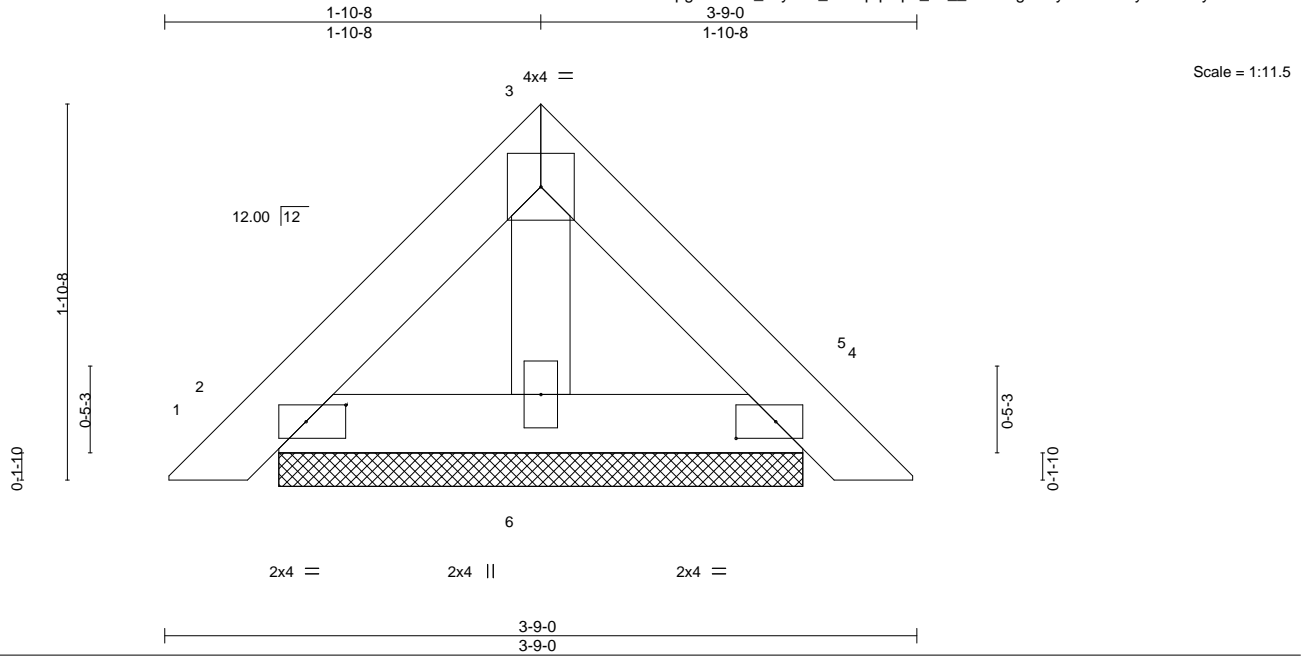


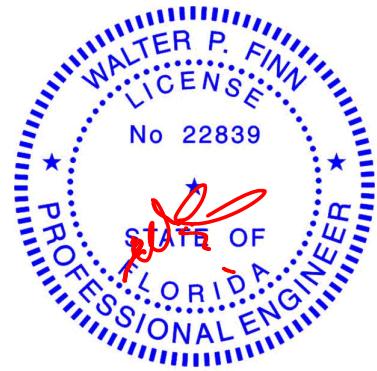
Plate Offsets (X,Y)--		[2:0-2-6,0-1-0], [4:0-2-6,0-1-0]									
LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d		PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.04	Vert(LL)	0.00	4	n/r	120		MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.02	Vert(CT)	0.00	4	n/r	120			
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	4	n/a	n/a			
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-P							Weight: 13 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-9-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3		

**REACTIONS.** (size) 2=2-7-6, 4=2-7-6, 6=2-7-6  
Max Horz 2=-52(LC 10)  
Max Uplift 2=-39(LC 12), 4=-45(LC 13), 6=-7(LC 12)  
Max Grav 2=79(LC 1), 4=79(LC 1), 6=76(LC 3)

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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) Gable requires continuous bottom chord bearing.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
  - 7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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Tampa, FL 36610

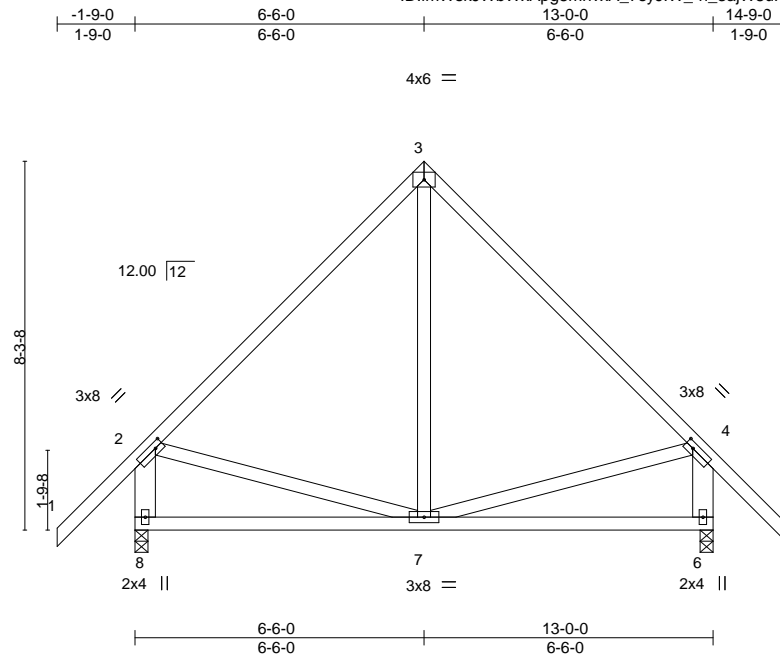


Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969596
2465503	T01	Common	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL),	Jacksonville, FL - 32244,
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8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:33 2020 Page 1

ID:imWskJWbWxApg8mhvxA\_7syJIW\_-h\_3ajW8uKmEltH8mKx38Ei491\_euZ0XFJUHv?YyGu9W



Scale = 1:51.8

Plate Offsets (X,Y)-- [2:0-2-4,0-1-8], [4:0-2-4,0-1-8]									
<b>LOADING</b> (psf)		<b>SPACING--</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES</b>	<b>GRIP</b>
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	-0.03 7-8 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.06 6-7 >999 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00 6 n/a n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS				Weight: 92 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3 \*Except\*  
2-8,4-6: 2x6 SP No.2

**BRACING-**

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

**REACTIONS.**

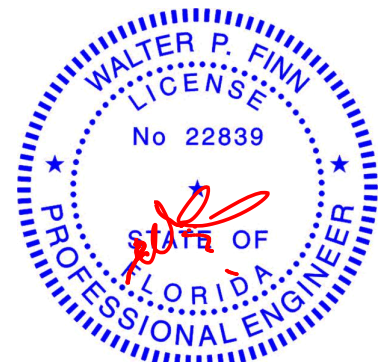
(size) 8=0-3-8, 6=0-3-8  
 Max Horz 8=333(LC 11)  
 Max Uplift 8=-203(LC 12), 6=-203(LC 13)  
 Max Grav 8=571(LC 1), 6=571(LC 1)

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

TOP CHORD 2-3=-404/223, 3-4=-404/223, 2-8=-515/361, 4-6=-515/361  
BOT CHORD 7-8=-340/406, 6-7=-134/305  
WEBS 2-7=-156/287, 4-7=-160/289

**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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=203, 6=203.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22, 2020



**WARNING – Verify design parameters and READ NOTES ON THIS AND INCLUDED WELTER REFERENCE PAGE MP147316V, 3/15/2020 BEFORE USE.**  
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for a building design component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCS1 Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969597
2465503	T01G	Common Supported Gable	1	1	Job Reference (optional)	

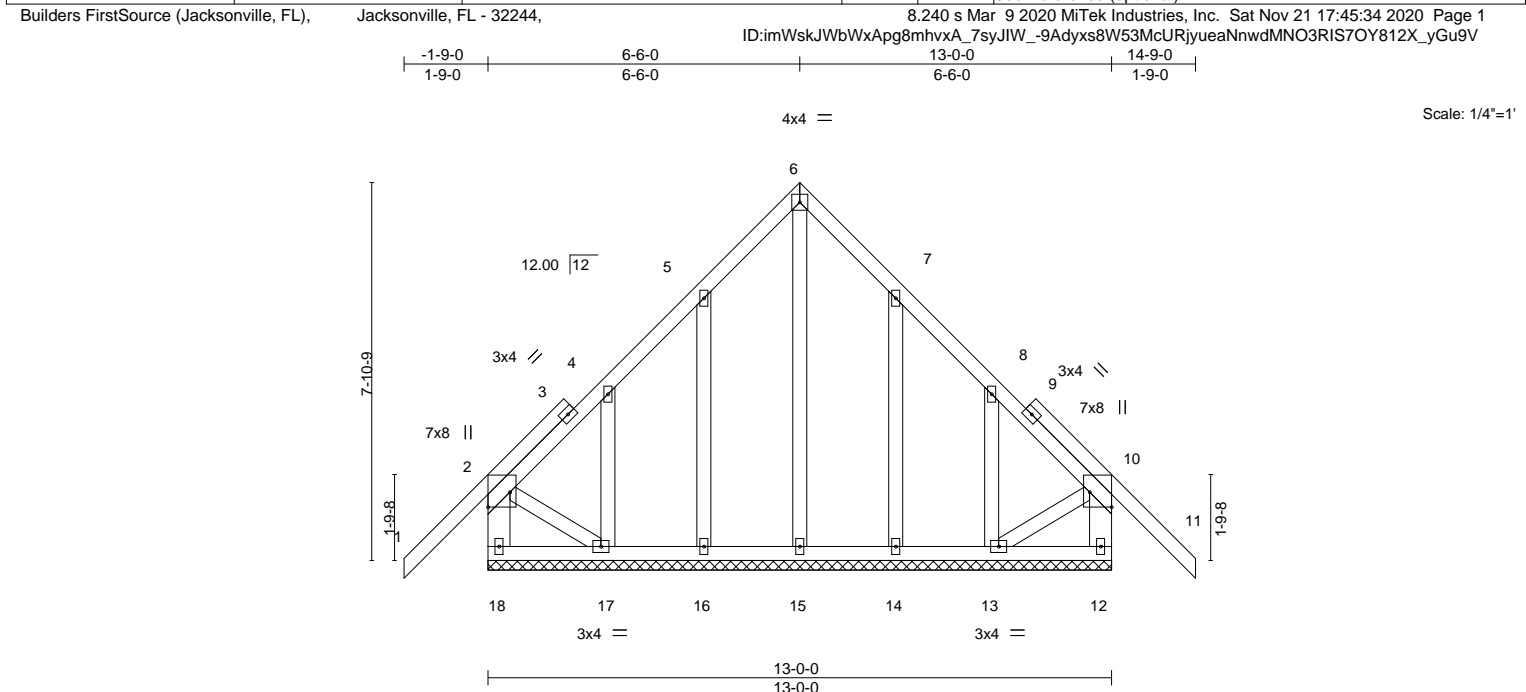


Plate Offsets (X,Y)-- [2:Edge,0-5-8], [10:Edge,0-5-8]									
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in	(loc)	l/defl	L/d	<b>PLATES</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.40	Vert(LL)	-0.02	11	n/r	120	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	-0.03	11	n/r	120	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.17	Horz(CT)	0.00	12	n/a	n/a	
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-S						
					Weight: 111 lb FT = 20%				

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x6 SP No.2 *Except* 2-17,10-13: 2x4 SP No.3	
OTHERS 2x4 SP No.3	

**REACTIONS.** All bearings 13-0-0.

(lb) - Max Horz 18=-311(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 12 except 18=-113(LC 8), 16=-175(LC 12), 17=-261(LC 12), 14=-175(LC 13), 13=-255(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 12, 15, 16, 17, 14, 13 except 18=273(LC 20)

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

BOT CHORD 17-18=-273/265, 16-17=-215/265, 15-16=-215/265, 14-15=-215/265, 13-14=-215/265

- 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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - 4) All plates are 2x4 MT20 unless otherwise indicated.
  - 5) Gable requires continuous bottom chord bearing.
  - 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 7) Gable studs spaced at 2-0-0 oc.
  - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 9) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 18=113, 16=175, 17=261, 14=175, 13=255.



Walter P. Finn PE No.22839  
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Date:

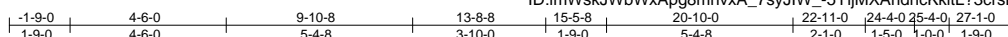
November 22,2020

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969598
2465503	T02	Piggyback Base	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:36 2020 Page 1

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**TOP CHORD UNDER PIGGYBACKS  
TO BE Laterally BRACED BY  
PURLINS AT 2-0-0 OC. MAX.  
TYPICAL.**

Scale = 1:66.4

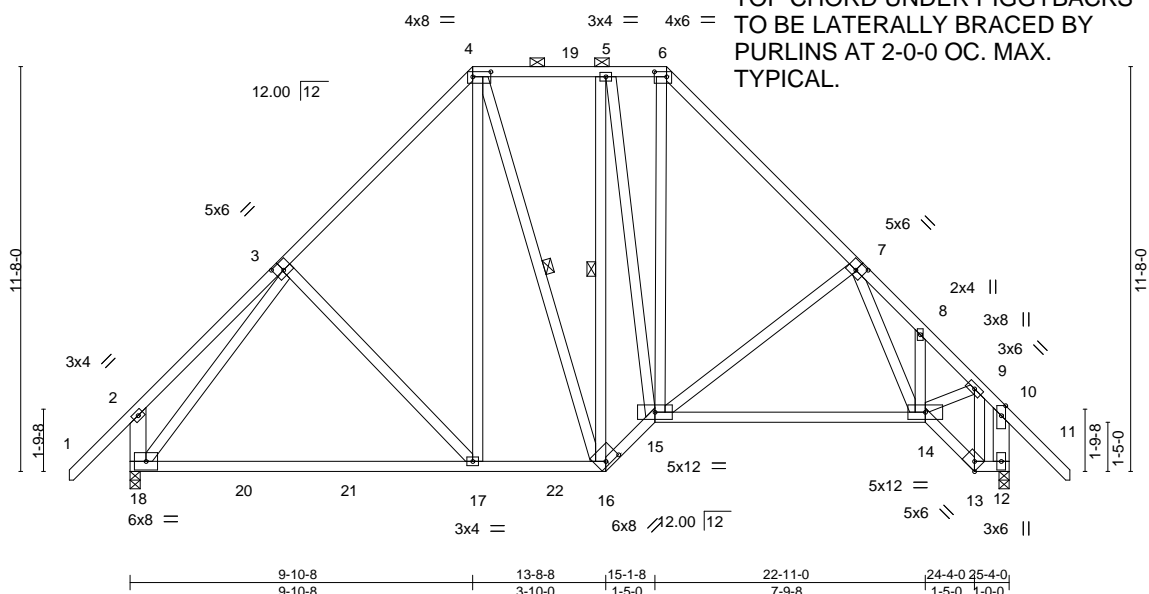


Plate Offsets (X,Y)--	[3:0-3-0,0-3-0], [4:0-6-4,0-1-12], [6:0-4-4,0-1-12], [7:0-3-0,0-3-0], [13:0-2-8,Edge], [16:0-4-12,0-1-8]
-----------------------	--

LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.46	Vert(LL)	-0.23 17-18	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.79	Vert(CT)	-0.46 17-18	>653	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.80	Horz(CT)	0.06 12	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 232 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3 \*Except\*  
2-18,10-12: 2x6 SP No.2

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 5-2-1 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.  
BOT CHORD Rigid ceiling directly applied or 9-10-14 oc bracing.  
WEBS 1 Row at midpt 4-16, 5-16

**REACTIONS.** (size) 12=0-3-8, 18=0-3-8  
Max Horz 18=-438(LC 10)  
Max Uplift 12=-374(LC 13), 18=-374(LC 12)  
Max Grav 12=1024(LC 1), 18=1024(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-276/209, 3-4=-804/519, 4-5=-633/480, 5-6=-688/466, 6-7=-883/503, 7-8=-1049/400, 8-9=-1041/392, 9-10=-597/331, 2-18=-359/271, 10-12=-787/479  
BOT CHORD 17-18=-345/728, 16-17=-218/614, 15-16=-250/820, 14-15=-148/740, 13-14=-14/392, 12-13=-15/268  
WEBS 3-17=-255/312, 4-17=-164/423, 5-16=-546/63, 5-15=0/412, 6-15=-172/369, 7-15=-409/325, 9-14=-131/677, 9-13=-545/62, 3-18=-836/346

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=374, 18=374.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839  
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6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

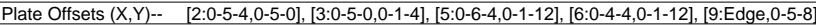
**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.  
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Scale = 1:69.7



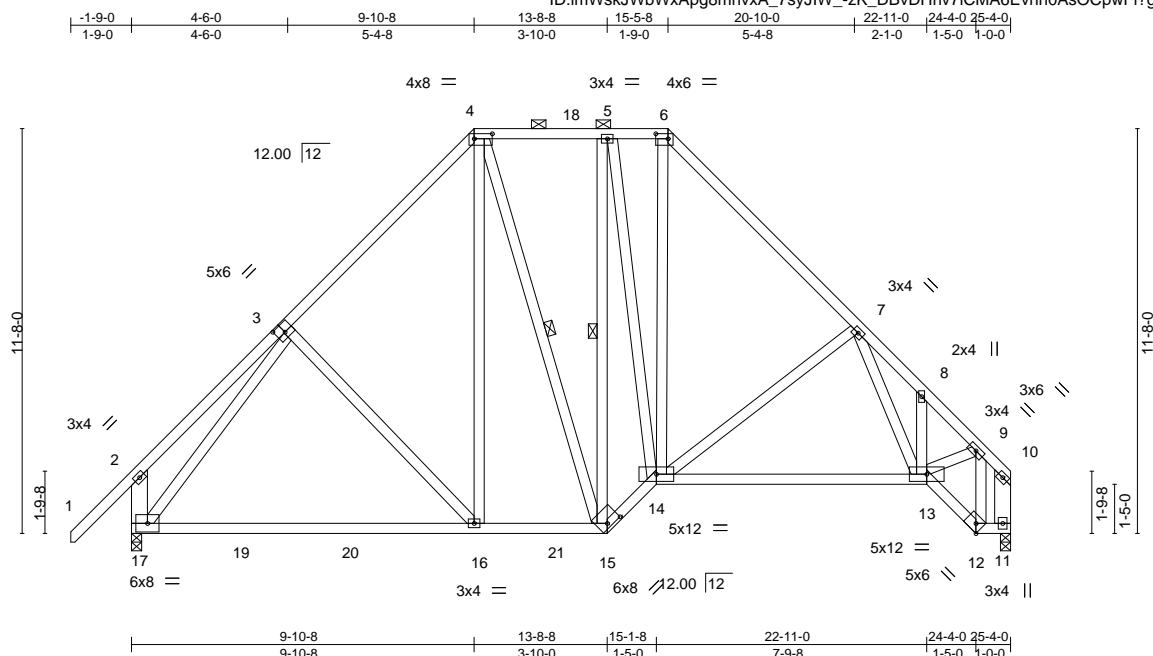
6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969600
2465503	T03	Piggyback Base	4	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:40 2020 Page 1

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Scale = 1:66.4

Plate Offsets (X,Y)--		[3:0-3-0,0-3-0], [4:0-6-4,0-1-12], [6:0-4-4,0-1-12], [12:0-2-8,Edge], [15:0-4-12,0-1-8]
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0
TCLL 20.0	Plate Grip DOL	1.25
TCDL 7.0	Lumber DOL	1.25
BCLL 0.0 *	Rep Stress Incr	YES
BCDL 10.0	Code	FBC2017/TPI2014
	<b>CSI.</b>	
	TC	0.44
	BC	0.80
	WB	0.80
	Matrix-MS	
	<b>DEFL.</b>	
	in (loc)	l/defl
	Vert(LL)	-0.23 16-17 >999 240
	Vert(CT)	-0.46 16-17 >646 180
	Horz(CT)	0.06 11 n/a n/a
	<b>PLATES</b>	<b>GRIP</b>
	MT20	244/190
	Weight: 228 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3 \*Except\*  
2-17,10-11: 2x6 SP No.2

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 5-3-3 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.  
BOT CHORD Rigid ceiling directly applied or 9-6-15 oc bracing.  
WEBS 1 Row at midpt 4-15, 5-15

**REACTIONS.** (size) 11=0-3-8, 17=0-3-8  
Max Horz 17=418(LC 11)  
Max Uplift 11=310(LC 13), 17=374(LC 12)  
Max Grav 11=916(LC 1), 17=1028(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-276/210, 3-4=-809/520, 4-5=-635/480, 5-6=-680/486, 6-7=-890/531,  
7-8=-1062/519, 8-9=-1077/491, 9-10=-586/292, 2-17=-358/271, 10-11=-630/288  
BOT CHORD 16-17=-369/702, 15-16=-242/587, 14-15=-283/784, 13-14=-325/734, 12-13=-149/316  
WEBS 3-16=-255/312, 4-16=-164/425, 5-15=-555/85, 5-14=-39/419, 6-14=-179/372,  
7-14=-394/342, 9-13=-243/683, 9-12=-503/244, 3-17=-841/346

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=310, 17=374.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969601
2465503	T04	Piggyback Base	5	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL),	Jacksonville, FL - 32244,
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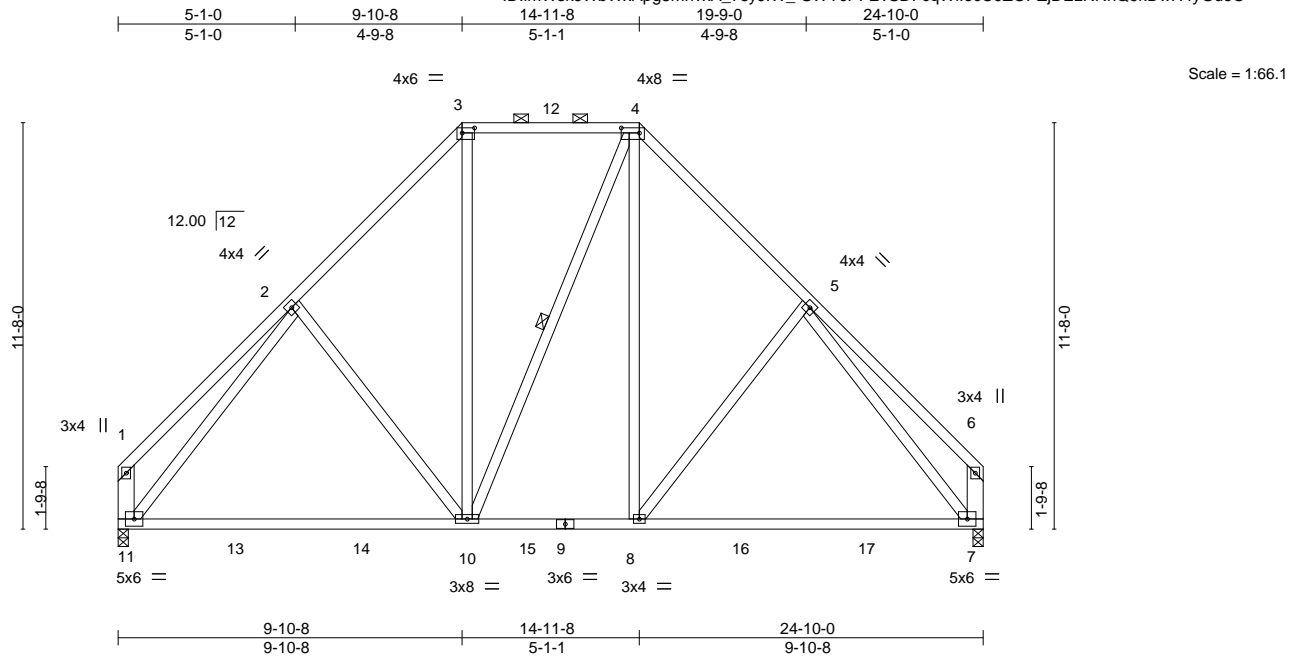


Plate Offsets (X,Y)-- [3:0-4-4,0-1-12], [4:0-6-4,0-1-12]											
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d				<b>PLATES GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.29	10-11	>999	240	MT20 244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.54	7-8	>547	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.02	7	n/a	n/a	
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 191 lb FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 9-9-11 oc bracing.
WEBS	2x4 SP No.3 *Except* 1-11,6-7: 2x6 SP No.2	WEBS	1 Row at midpt                      4-10

**REACTIONS.** (size) 11=0-3-8, 7=0-3-8  
 Max Horz 11=378(LC 9)  
 Max Uplift 11=-301(LC 12), 7=-301(LC 13)  
 Max Grav 11=931(LC 2), 7=938(LC 2)

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

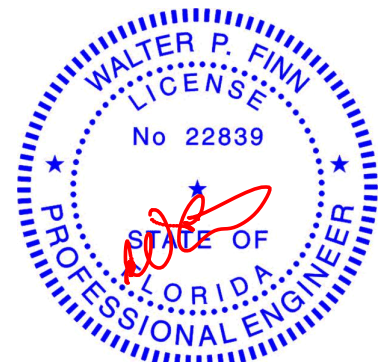
**TOP CHORD** 1-2=-335/228, 2-3=-802/529, 3-4=-632/466, 4-5=-810/529, 5-6=-335/228,  
1-11=-319/225, 6-7=-320/225

**BOT CHORD** 10-11=-347/724, 8-10=-165/561, 7-8=-231/550

**WEBS** 2-10=-283/326, 3-10=-182/365, 4-8=-209/421, 5-8=-284/326, 2-11=-739/313,  
5-7=-739/312

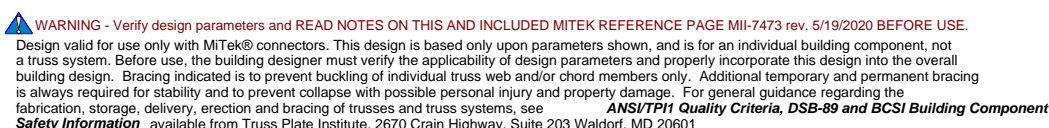
**NOTES-**

- 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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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=301, 7=301.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22, 2020



6904 Parke East Blvd.  
Tampa, FL 36610



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969602
2465503	T04G	Piggyback Base Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:43 2020 Page 1

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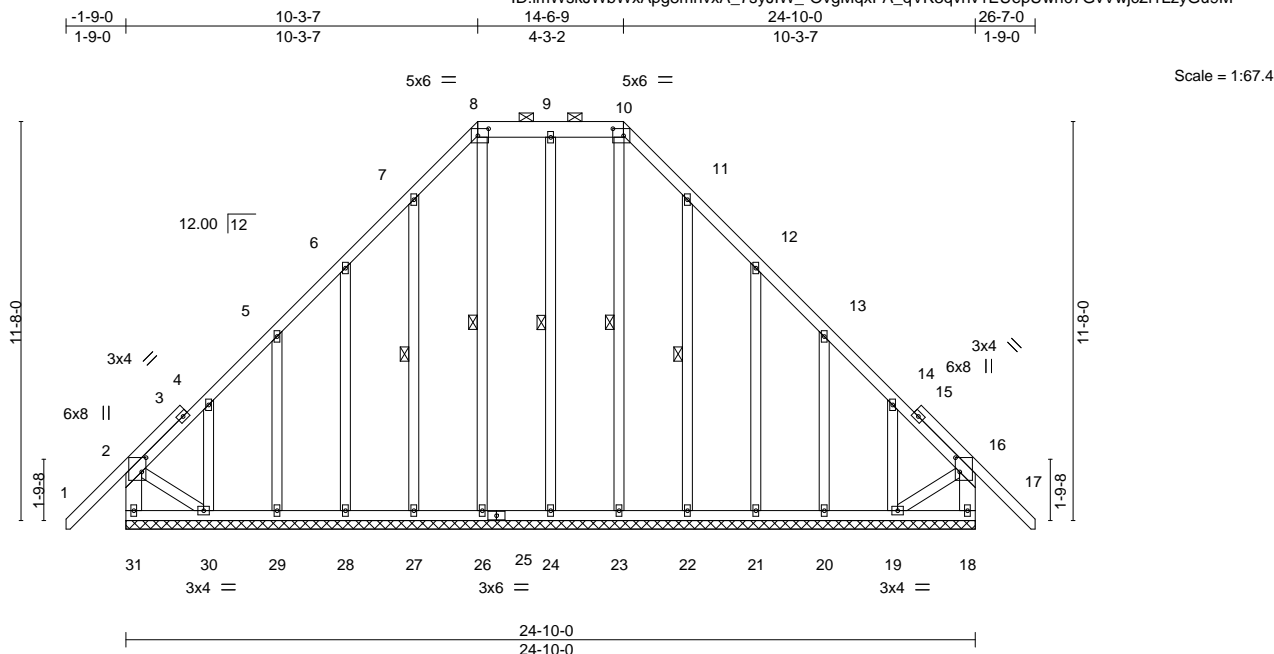


Plate Offsets (X,Y)--		[2:0-5-0,0-1-8], [8:0-3-12,0-2-8], [10:0-3-12,0-2-8], [16:0-5-0,0-1-8]									
LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.36	Vert(LL)	-0.02	17	n/r	120	MT20	244/190	
TCDL 7.0	Lumber DOL	1.25	BC 0.08	Vert(CT)	-0.03	17	n/r	120			
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.20	Horz(CT)	0.01	18	n/a	n/a			
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-S								
									Weight: 240 lb	FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 8-10: 2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 8-10.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2x6 SP No.2 *Except* 2-30,16-19: 2x4 SP No.3	WEBS	6-0-0 oc bracing: 30-31,18-19. 1 Row at midpt 9-24, 8-26, 7-27, 10-23, 11-22
OTHERS	2x4 SP No.3		

REACTIONS.	
(lb) - Max Horz	31=426(LC 11)
Max Uplift	All uplift 100 lb or less at joint(s) 24, 26 except 31=-236(LC 8), 18=-120(LC 9), 27=-153(LC 12), 28=-170(LC 12), 29=-170(LC 12), 30=-317(LC 12), 22=-151(LC 13), 21=-171(LC 13), 20=-171(LC 13), 19=-296(LC 13)
Max Grav	All reactions 250 lb or less at joint(s) 24, 26, 27, 28, 29, 23, 22, 21, 20, 19 except 31=365(LC 20), 18=287(LC 22), 30=272(LC 10)

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-31=-342/239, 2-4=-295/258, 7-8=-293/344, 8-9=-239/287, 9-10=-239/287, 10-11=-293/344, 16-18=-265/219
BOT CHORD	30-31=-384/374, 29-30=-245/293, 28-29=-245/293, 27-28=-245/293, 26-27=-245/293, 24-26=-244/291, 23-24=-244/291, 22-23=-245/293, 21-22=-245/293, 20-21=-245/293, 19-20=-245/293
WEBS	2-30=-263/342, 16-19=-224/307

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - Provide adequate drainage to prevent water ponding.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 26 except (jt=lb) 31=236, 18=120, 27=153, 28=170, 30=317, 22=151, 21=171, 20=171, 19=296.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969603
2465503	T05	Piggyback Base	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:44 2020 Page 1  
ID:imWskJWbWxAppg8mhvxA\_7syJIW\_-s5Ek1HGol8dBh\_UrTljB014vQOeo5sriSauPyGu9L

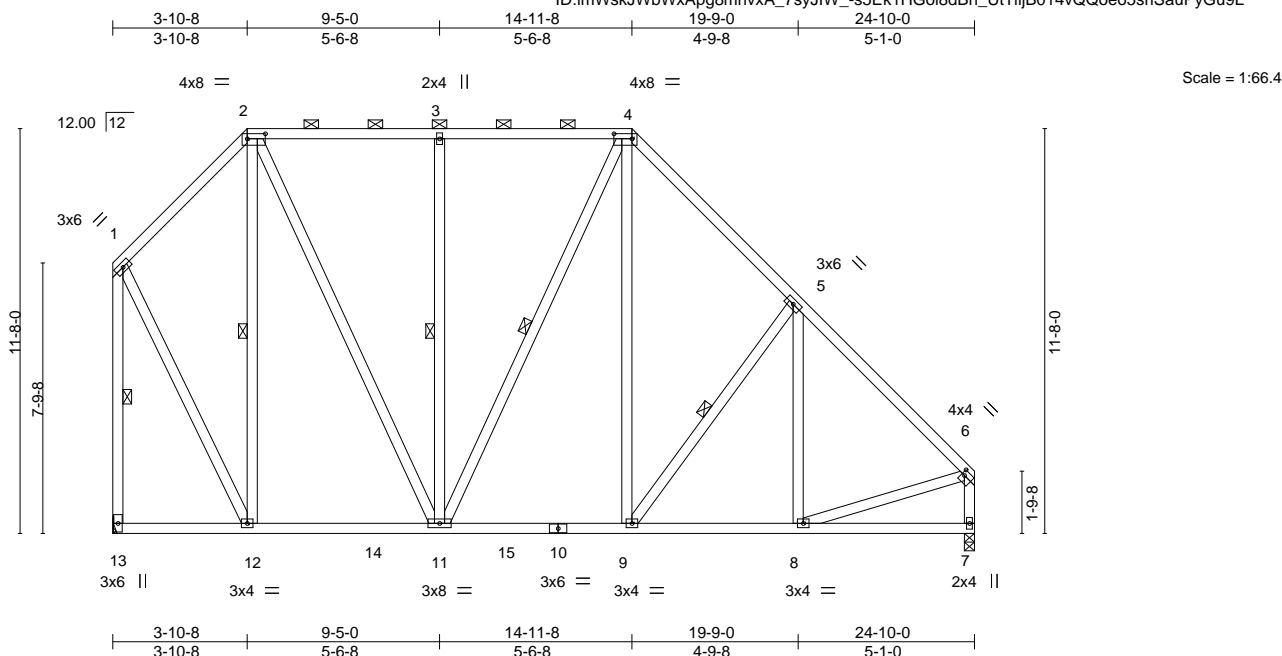


Plate Offsets (X,Y)--		[2:0-6-4,0-1-12], [4:0-6-4,0-1-12], [6:0-1-0,0-1-12]					
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc) l/defl L/d
TCLL 20.0		Plate Grip DOL	1.25	TC 0.40		Vert(LL)	-0.04 9-11 >999 240
TCDL 7.0		Lumber DOL	1.25	BC 0.31		Vert(CT)	-0.07 9-11 >999 180
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.84		Horz(CT)	0.01 7 n/a n/a
BCDL 10.0		Code	FBC2017/TPI2014	Matrix-MS			
						<b>PLATES</b>	<b>GRIP</b>
						MT20	244/190
						Weight: 222 lb FT = 20%	

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3 \*Except\*  
2-11,4-11: 2x4 SP No.2

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 5-11-5 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-4.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
WEBS 1 Row at midpt 2-12, 3-11, 4-11, 5-9, 1-13

**REACTIONS.** (size) 13=Mechanical, 7=0-3-8  
Max Horz 13=-372(LC 13)  
Max Uplift 13=-348(LC 13), 7=-298(LC 13)  
Max Grav 13=915(LC 2), 7=908(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-448/287, 2-3=-516/409, 3-4=-516/409, 4-5=-779/486, 5-6=-895/368,  
1-13=-894/472, 6-7=-861/362  
BOT CHORD 12-13=-223/369, 11-12=-181/417, 9-11=-138/494, 8-9=-151/574  
WEBS 2-12=-417/242, 2-11=-302/514, 3-11=-345/260, 4-9=-225/389, 5-9=-360/319,  
1-12=-239/604, 6-8=-112/554

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=348, 7=298.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969604
2465503	T05G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:46 2020 Page 1

ID:imWskJWbWxAp8mhvxA\_7syJIW\_oULUSyl2GltvxHeGbAoBGR6QOE5X6jJ9l0xhyHyGu9J

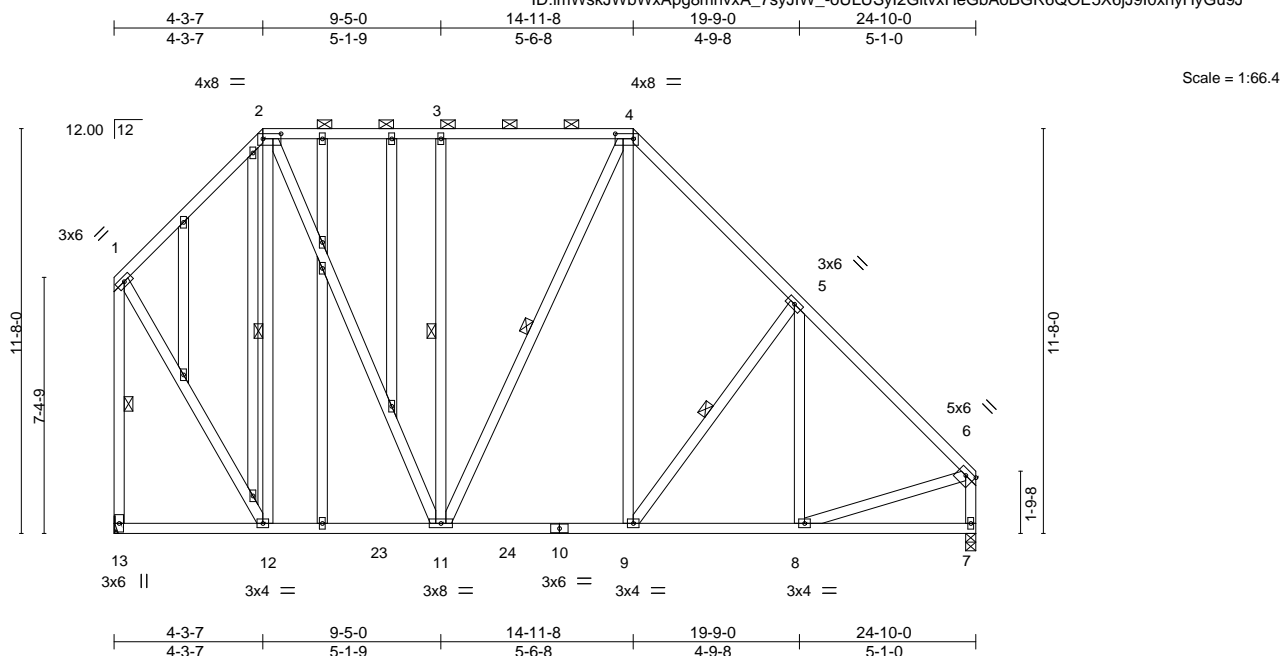


Plate Offsets (X,Y)--		[2:0-6-4,0-1-12], [4:0-6-4,0-1-12]									
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL	1.25	TC 0.40		Vert(LL)	-0.04 9-11	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.30		Vert(CT)	-0.07 9-11	>999	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.79		Horz(CT)	0.01 7	n/a	n/a		
BCDL 10.0		Code	FBC2017/TPI2014	Matrix-MS						Weight: 272 lb	FT = 20%

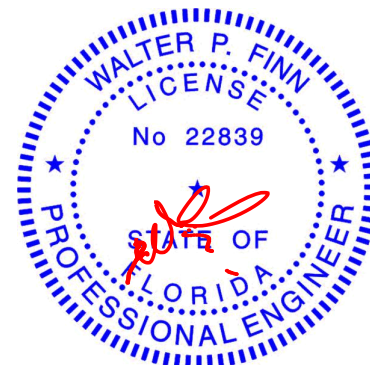
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3 \*Except\*  
2-11,4-11: 2x4 SP No.2  
OTHERS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 5-11-4 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-4.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
WEBS 1 Row at midpt 2-12, 3-11, 4-11, 5-9, 1-13

**REACTIONS.** (size) 13=Mechanical, 7=0-3-8  
Max Horz 13=-360(LC 13)  
Max Uplift 13=-344(LC 13), 7=-302(LC 13)  
Max Grav 13=908(LC 1), 7=908(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-485/308, 2-3=-523/415, 3-4=-523/415, 4-5=-779/492, 5-6=-895/374,  
1-13=-877/466, 6-7=-861/368  
BOT CHORD 12-13=-228/356, 11-12=-190/428, 9-11=-140/493, 8-9=-155/574  
WEBS 2-12=-376/220, 2-11=-292/493, 3-11=-331/251, 4-9=-224/389, 5-9=-358/318,  
1-12=-224/572, 6-8=-116/554

- 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=18ft; 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - 4) Provide adequate drainage to prevent water ponding.
  - 5) All plates are 2x4 MT20 unless otherwise indicated.
  - 6) Gable studs spaced at 2-0-0 oc.
  - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - 9) Refer to girder(s) for truss to truss connections.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=344, 7=302.
  - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969605
2465503	T06	Piggyback Base	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:47 2020 Page 1  
ID:imWskJWbWxApq8mhvxA\_7syJIW\_-Ggvtfllg13?mYRDS8tJQoffcneRgr9mJXggEUkyGu9l

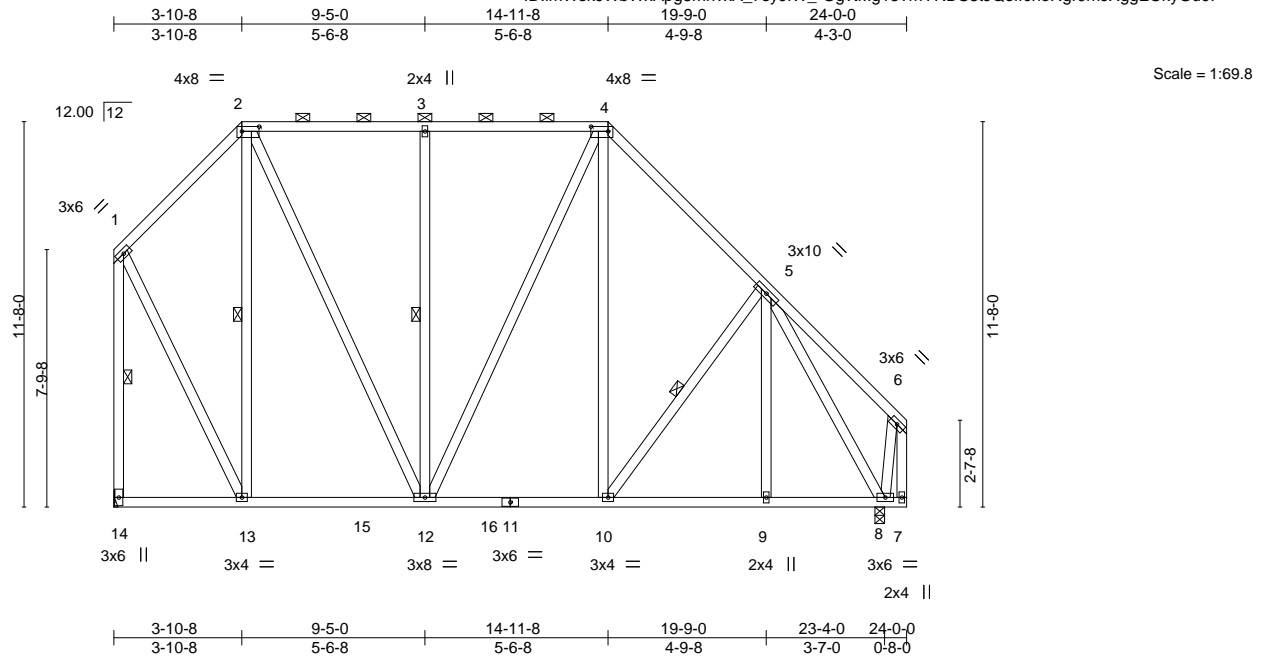


Plate Offsets (X,Y)-- [2:0-6-4,0-1-12], [4:0-6-4,0-1-12]									
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL 1.25		TC 0.36		Vert(LL) -0.04 10-12 >999 240		MT20	244/190
TCDL 7.0		Lumber DOL 1.25		BC 0.30		Vert(CT) -0.06 10-12 >999 180			
BCLL 0.0 *		Rep Stress Incr YES		WB 0.84		Horz(CT) 0.01 8 n/a n/a			
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MS				Weight: 228 lb	FT = 20%

**LUMBER-**

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 2-12,4-12: 2x4 SP No.2

**BRACING-**

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt                      2-13, 3-12, 5-10, 1-14

## REACTIONS.

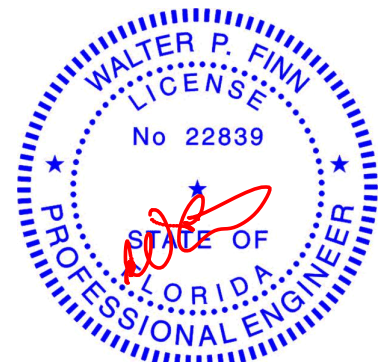
(size) 14=Mechanical, 8=0-3-8  
 Max Horz 14=-331(LC 13)  
 Max Uplift 14=-327(LC 13), 8=-290(LC 13)  
 Max Grav 14=864(LC 2), 8=899(LC 1)

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

TOP CHORD 1-2=424/276, 2-3=478/389, 3-4=478/389, 4-5=680/438, 1-14=843/448  
BOT CHORD 13-14=208/328, 12-13=177/384, 10-12=130/427, 9-10=114/408, 8-9=114/408  
WEBS 2-13=381/234, 2-12=285/456, 3-12=345/261, 4-10=170/278, 5-10=213/252,  
5-8=849/265, 1-13=230/567

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for reactions 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) 14=327, 8=290.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969606
2465503	T07	Piggyback Base	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

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ID:imWskJWbWxAp8mhvxA\_7syJIW\_-ksTFteJloN7dAbneibqfLsCll1pKad8SmKQo1AyGu9H

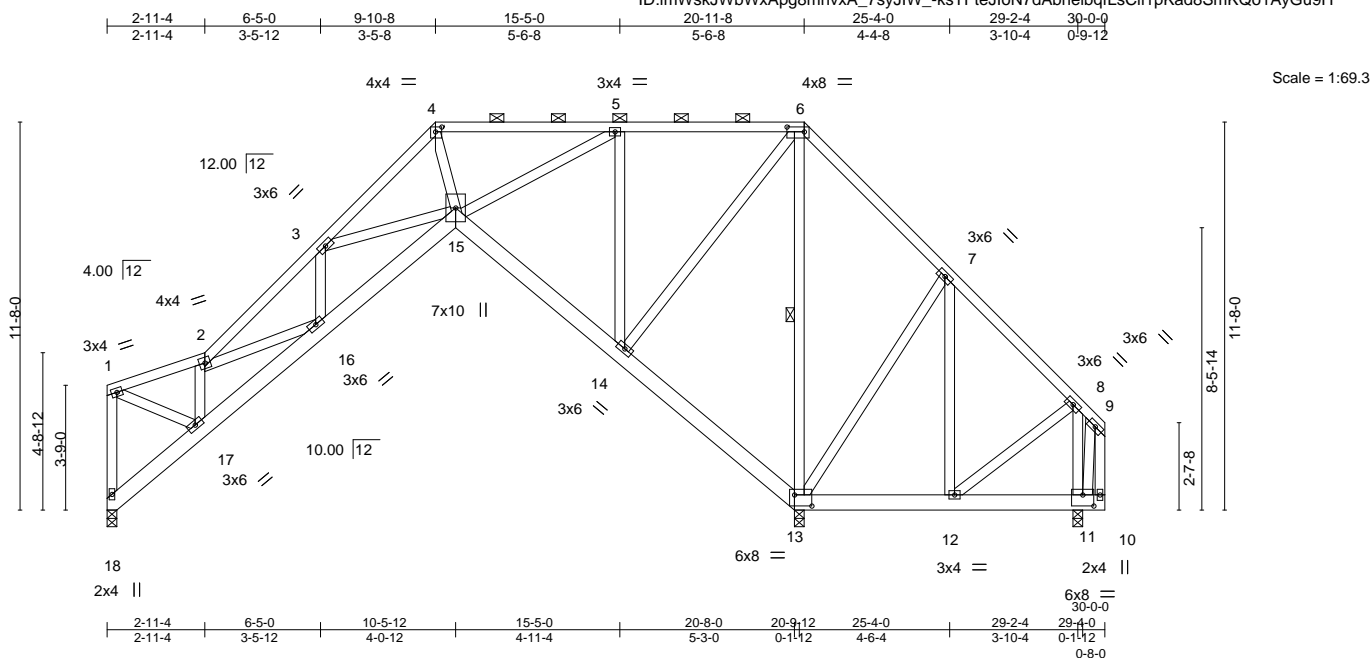


Plate Offsets (X,Y)--		[4:0-2-4,0-1-12], [6:0-6-4,0-1-12], [11:0-4-0,0-4-0], [13:0-6-4,0-4-0]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL 20.0		Plate Grip DOL		1.25		TC 0.41		Vert(LL)		0.05 15		>999		240		MT20		244/190	
TCDL 7.0		Lumber DOL		1.25		BC 0.15		Vert(CT)		-0.07 15-16		>999		180					
BCLL 0.0 *		Rep Stress Incr		YES		WB 0.77		Horz(CT)		0.12 13		n/a		n/a					
BCDL 10.0		Code FBC2017/TPI2014				Matrix-MS										Weight: 256 lb		FT = 20%	

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 6-13
<b>REACTIONS.</b>			
(size) 18=0-3-8, 13=0-3-8, 11=0-3-8			
Max Horz 18=269(LC 11)			
Max Uplift 18=-254(LC 13), 13=-882(LC 9), 11=-535(LC 23)			
Max Grav 18=460(LC 23), 13=2092(LC 1), 11=472(LC 9)			

<b>FORCES.</b> (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-18=-435/247, 1-2=-498/270, 2-3=-860/422, 3-4=-461/225, 4-5=-290/204, 5-6=-130/342, 6-7=-452/885, 7-8=-384/585
BOT CHORD	17-18=-359/297, 16-17=-573/784, 15-16=-567/932, 14-15=-452/319, 13-14=-763/419, 12-13=-364/258
WEBS	1-17=-255/494, 2-17=-557/346, 3-15=-557/472, 5-15=-382/715, 5-14=-622/449, 6-14=-312/554, 7-13=-481/326, 7-12=-138/343, 8-11=-432/532, 6-13=-1193/624, 8-12=-394/262

- 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=18ft; 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.
  - 6) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=254, 13=882, 11=535.
  - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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Tampa, FL 33610







Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969607
2465503	T08	Piggyback Base Girder	1	2	Job Reference (optional)	

**NOTES-**

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 512 lb down and 191 lb up at 2-0-12 on top chord, and 512 lb down and 203 lb up at 4-0-12, 512 lb down and 198 lb up at 6-0-12, 512 lb down and 215 lb up at 8-0-12, and 512 lb down and 266 lb up at 10-0-12, and 1648 lb down and 1114 lb up at 10-5-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-2=-54, 2-4=-54, 4-6=-54, 6-9=-54, 17-19=-20, 15-17=-20, 13-15=-20, 10-13=-20, 17-18=-20

Concentrated Loads (lb)

Vert: 15=-1648(B) 20=-472(B) 21=-512(B) 22=-512(B) 23=-512(B) 24=-512(B)

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969608
2465503	T09	Piggyback Base Girder	1	2	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:53 2020 Page 1  
ID:imWskJWbWxAp8mhvxA\_7syJlW\_-5qG8wLNRdvlvGMgcV8Qq2wvXD2QwFsaBvb7ZiNyGu9C

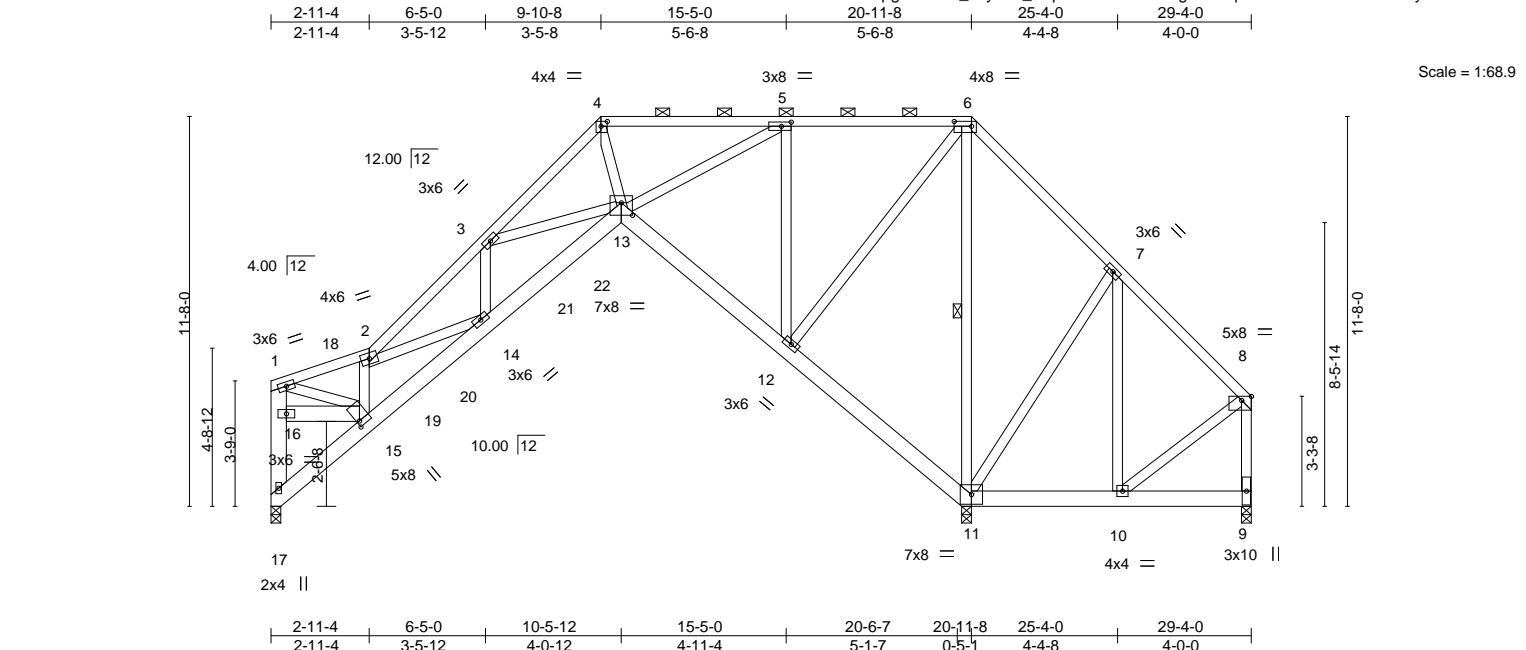


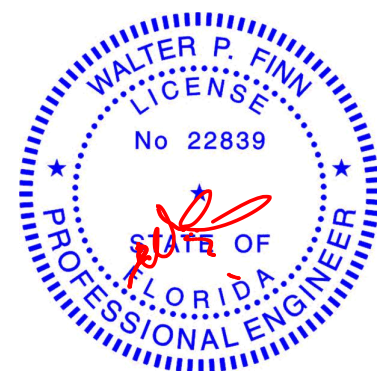
Plate Offsets (X,Y)-- [4:0-2-4,0-1-12], [5:0-3-8,0-1-8], [6:0-6-4,0-1-12], [8:0-3-8,Edge], [13:0-4-0,0-4-8], [15:0-2-0,0-1-0]											
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES</b>		<b>GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	0.14 13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.19 13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.28 11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 508 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
WEBS 2x4 SP No.3 *Except*	10-0-0 oc bracing: 14-15,13-14.
1-17: 2x6 SP No.2, 6-11: 2x4 SP No.2	WEBS 1 Row at midpt 6-11

**REACTIONS.** (size) 17=0-3-8, 11=0-3-8 (req. 0-4-10), 9=0-3-8  
Max Horz 17=257(LC 7)  
Max Uplift 17=873(LC 9), 11=3997(LC 5), 9=3597(LC 19)  
Max Grav 17=2017(LC 19), 11=7884(LC 1), 9=2078(LC 5)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 16-17=-1953/854, 1-16=-1843/822, 1-2=-2479/1107, 2-3=-4207/1998, 3-4=-2404/1387,  
4-5=-1962/1203, 5-6=-829/1535, 6-7=-2097/3916, 7-8=-1643/2922, 8-9=-2062/3618  
BOT CHORD 15-17=-367/306, 14-15=-1746/3488, 13-14=-2190/4246, 12-13=-2018/1203,  
11-12=-3527/1878, 10-11=-2045/1147, 15-16=-249/562  
WEBS 1-15=-884/1981, 2-15=-2451/1197, 2-14=-336/639, 3-14=-254/833, 3-13=-1332/777,  
4-13=-878/1482, 5-13=-2302/3989, 5-12=-2284/1380, 6-12=-1044/1860, 7-11=-1332/752,  
7-10=-843/1642, 8-10=-2576/1441, 6-11=-4405/2361

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - WARNING: Required bearing size at joint(s) 11 greater than input bearing size.
  - Bearing at joint(s) 17, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=873, 11=3997, 9=3597.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
  - This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969608
2465503	T09	Piggyback Base Girder	1	2	Job Reference (optional)	

**NOTES-**

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 512 lb down and 191 lb up at 2-0-12 on top chord, and 512 lb down and 203 lb up at 4-0-12, 512 lb down and 198 lb up at 6-0-12, 512 lb down and 215 lb up at 8-0-12, and 512 lb down and 266 lb up at 10-0-12, and 1743 lb down and 1182 lb up at 10-5-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-2=-54, 2-4=-54, 4-6=-54, 6-8=-54, 15-17=-20, 13-15=-20, 11-13=-20, 9-11=-20, 15-16=-20

Concentrated Loads (lb)

Vert: 13=-1743(F) 18=-472(F) 19=-512(F) 20=-512(F) 21=-512(F) 22=-512(F)



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969609
2465503	T10	Piggyback Base	3	1	Job Reference (optional)	

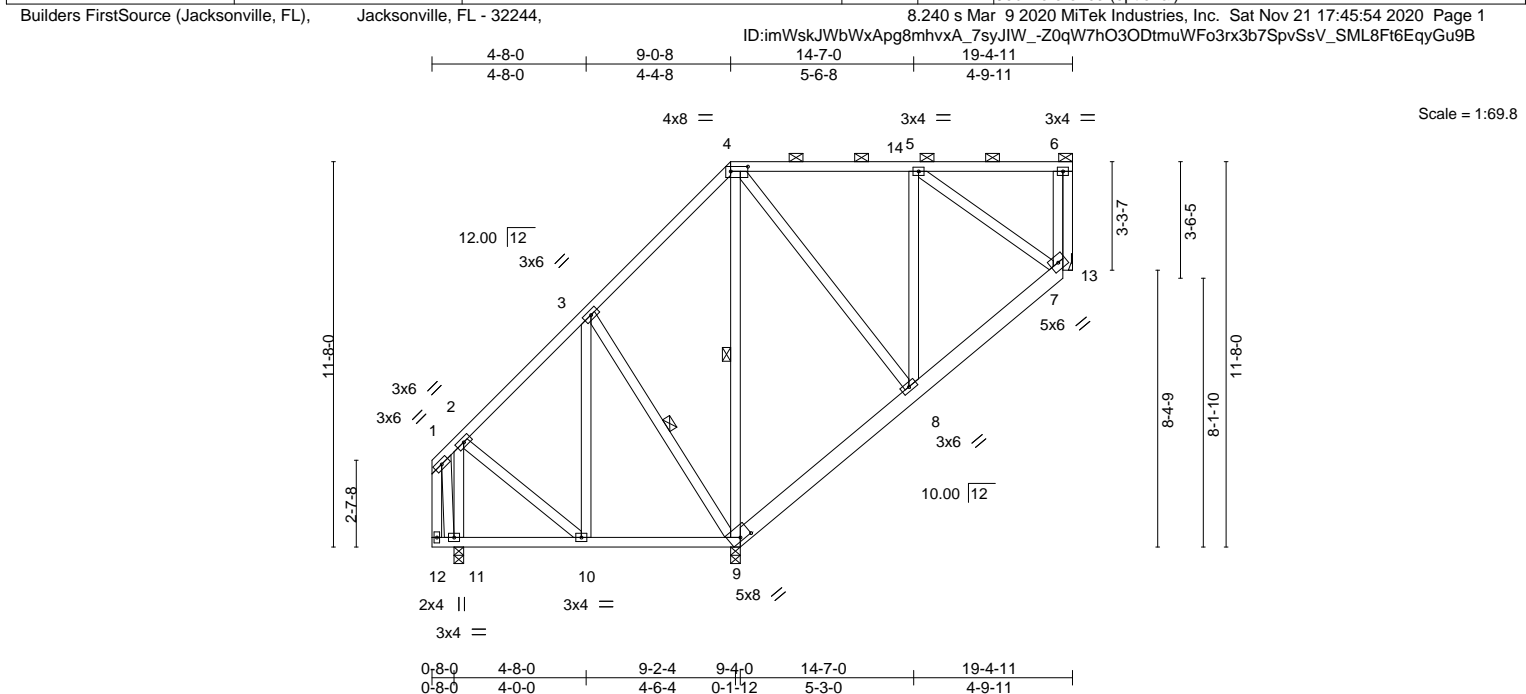


Plate Offsets (X,Y)--		[4:0-6-4,0-1-12], [9:0-4-0,0-1-4]									
LOADING (psf)		SPACING-	2-0-0	CSL		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.30		Vert(LL)	-0.01 9-10	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.16		Vert(CT)	-0.02 9-10	>999	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.28		Horz(CT)	-0.01 13	n/a	n/a		
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MS						Weight: 174 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	7-9: 2x6 SP No.2	WEBS	1 Row at midpt 3-9, 4-9
	2x4 SP No.3		

<b>REACTIONS.</b>	(size) 9=0-3-8, 11=0-3-8, 13=Mechanical
	Max Horz 11=436(LC 12)
	Max Uplift 9=-378(LC 12), 13=-241(LC 9)
	Max Grav 9=659(LC 1), 11=373(LC 1), 13=359(LC 1)

<b>FORCES.</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-251/12, 6-7=-210/269
BOT CHORD	10-11=-446/374, 9-10=-309/306
WEBS	3-9=-409/352, 4-8=-119/253, 2-11=-348/45, 4-9=-417/230, 6-13=-362/283

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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) 9=378, 13=241.
  - 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969610
2465503	T11	Piggyback Base	4	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:45:55 2020 Page 1  
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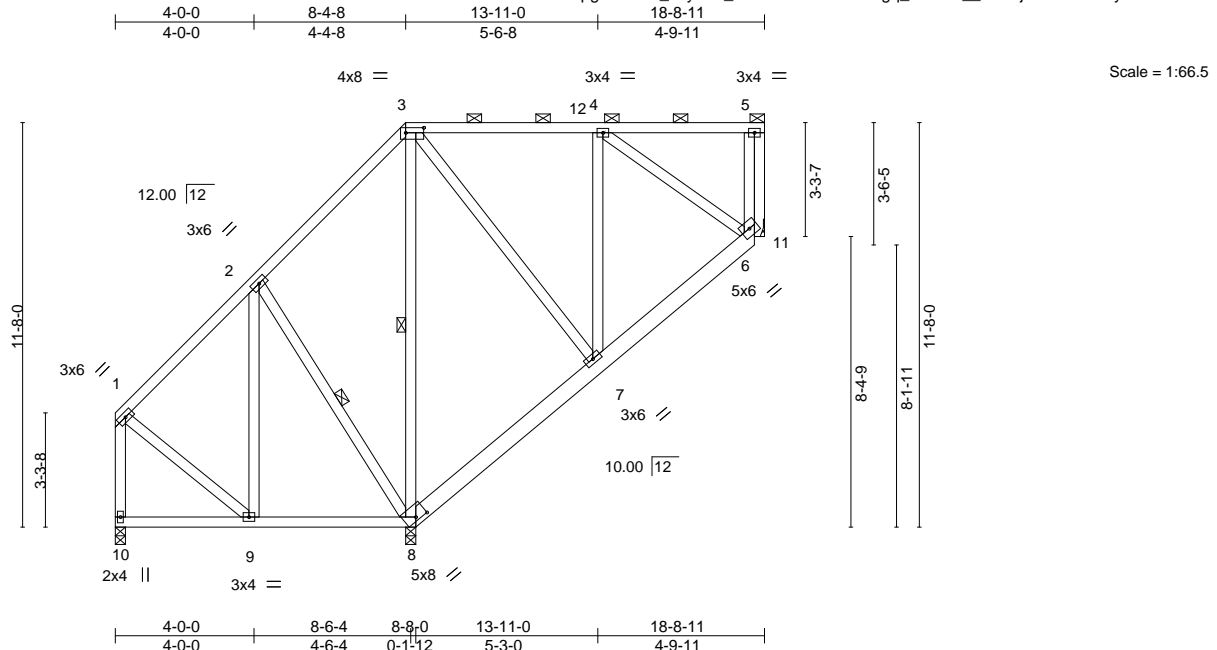


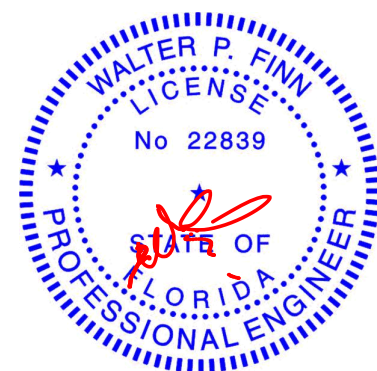
Plate Offsets (X,Y)--		[3:0-6-4,0-1-12], [8:0-4-0,0-1-4]									
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.01 8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.02 8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	-0.01 11	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS						Weight: 165 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 2-8, 3-8

**REACTIONS.** (size) 10=0-3-8, 8=0-3-8, 11=Mechanical  
Max Horz 10=403(LC 12)  
Max Uplift 8=-349(LC 12), 11=-246(LC 9)  
Max Grav 10=335(LC 1), 8=648(LC 1), 11=359(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 5-6=-219/269, 1-10=-303/0  
BOT CHORD 9-10=-413/329, 8-9=-311/304  
WEBS 2-8=-394/341, 3-7=-119/253, 3-8=-416/218, 5-11=-362/291

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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) 8=349, 11=246.
  - 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969611
2465503	T12G	GABLE	1	1	Job Reference (optional)	

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ID:imWskJWbWxApghmVxA\_7syJWV\_-bWfmiQyh8GLzzNk\_UmCm3CfHqgeBmfndQ6mr9yGu98

A horizontal timeline diagram with vertical tick marks. Above the line, dates are listed in pairs: 2-11-4, 6-5-0, 10-3-7, 15-4-0, 18-11-10, 20-6-9, 25-4-0, and 27-8-14. Below the line, dates are listed in pairs: 2-11-4, 3-5-12, 3-10-7, 5-0-9, 3-7-10, 1-6-15, 4-9-7, and 2-4-14.

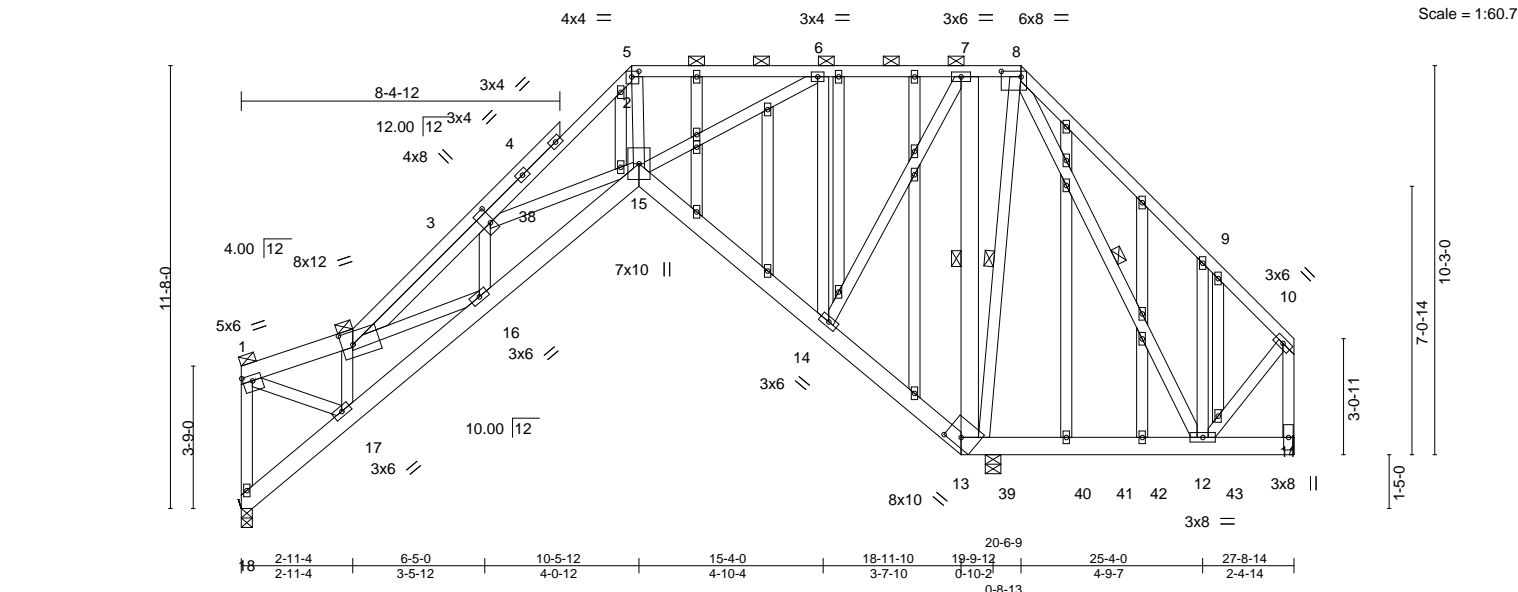


Plate Offsets (X,Y)-- [1:0-3-0,0-1-12], [2:0-3-8,0-4-0], [3:0-5-0,0-1-4], [5:0-2-4,0-1-12], [8:0-6-4,0-1-12], [13:0-4-12,0-2-12]												
<b>LOADING</b> (psf)		<b>SPACING-</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d			<b>PLATES</b>	<b>GRIP</b>		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.80	Vert(LL)	0.06	16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.06	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.50	Horz(CT)	-0.10	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 333 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2 *Except* 1-2: 2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2, 2-3, 5-8. Except: 6-0-0 oc bracing: 1-2
BOT CHORD	2x6 SP No.2		
WEBS	2x4 SP No.3 *Except* 7-13: 2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS	2x4 SP No.3	WEBS	1 Row at midpt                      7-13, 8-13, 8-12

**REACTIONS.** (size) 18=0-3-8, 13=0-4-15, 11=Mechanical  
 Max Horz 18=438(LC 5)  
 Max Uplift 18=124(LC 9), 13=1638(LC 5), 11=581(LC 18)  
 Max Grav 18=324(LC 34), 13=2402(LC 1), 11=728(LC 24)

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

**TOP CHORD**  
1-18=-288/329, 1-2=-274/283, 2-3=-1297/774, 6-7=-349/484, 7-8=-517/684,  
8-9=-515/622, 9-10=-479/445, 10-11=-749/585

**BOT CHORD**  
17-18=-620/200, 16-17=-597/542, 15-16=-1327/799, 14-15=-536/589, 13-14=-861/755,  
12-13=-474/467

**WEBS**  
2-17=-320/12, 2-16=-398/1066, 3-16=-413/190, 3-15=-469/1007, 6-15=-625/635,  
6-14=-551/497, 7-14=-369/457, 7-13=-565/466, 8-13=-980/676, 8-12=-649/808,  
9-12=-317/404, 10-12=-411/525


**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=18ft; 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 Industrial Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 2'-0" oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Refer to girder(s) for truss to truss connections.
- 10) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=18=124, 13=1638, 11=581).
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.




Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

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6904 Parke East Blvd.  
Tampa, FL 36610



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969611
2465503	T12G	GABLE	1	1	Job Reference (optional)	

- NOTES-**
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 252 lb down and 260 lb up at 20-2-3, 59 lb down and 62 lb up at 22-2-3, and 75 lb down and 72 lb up at 24-2-3, and 75 lb down and 72 lb up at 26-2-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 14) 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: 1-38=-14, 2-38=-54, 3-5=-54, 5-8=-54, 8-10=-54, 15-18=-20, 13-15=-20, 11-13=-20

Concentrated Loads (lb)

Vert: 39=-252 40=-59(B) 42=-75(B) 43=-75(B)



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969613
2465503	T14	Piggyback Base	1	1	Job Reference (optional)	

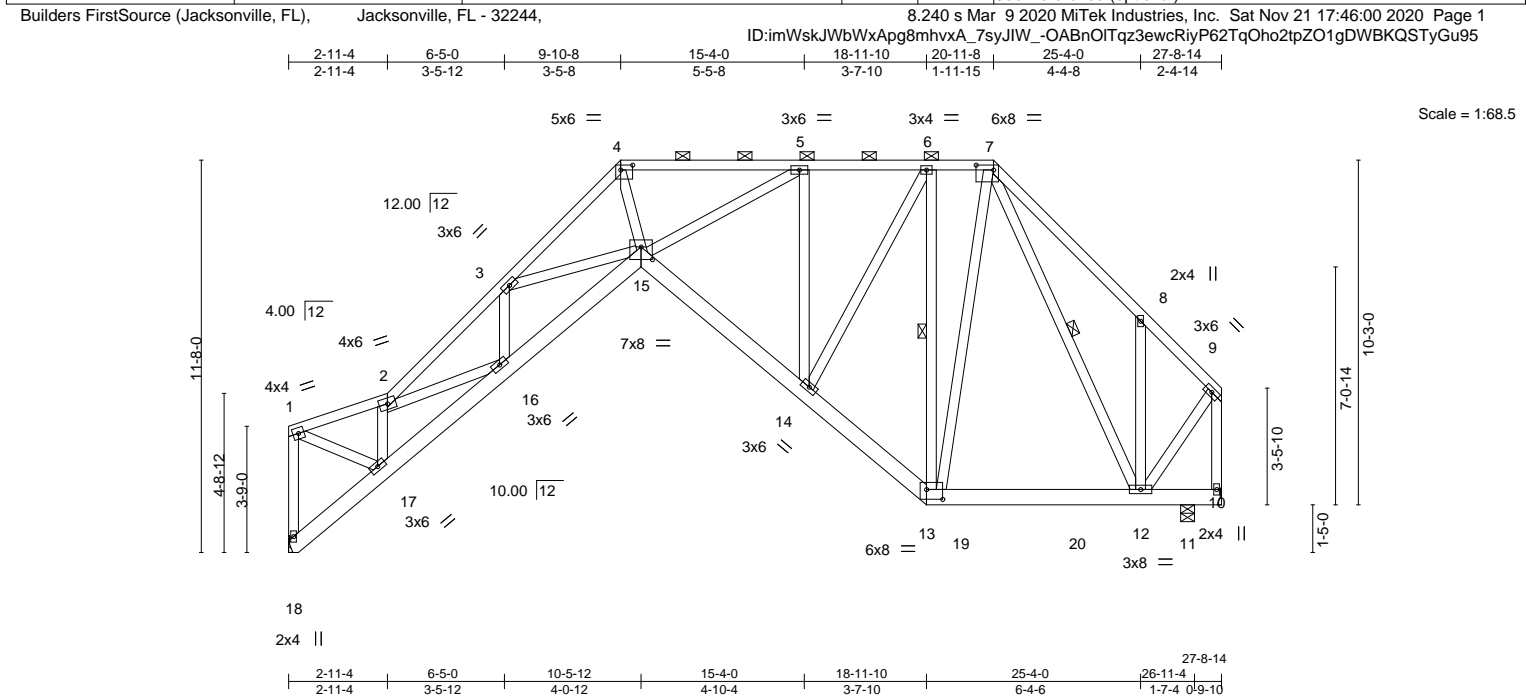
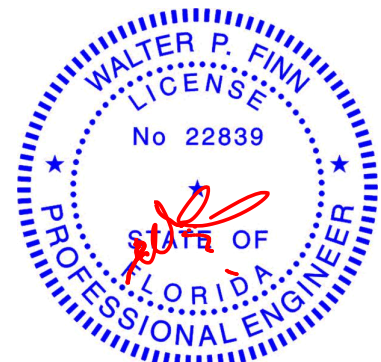


Plate Offsets (X,Y)--		[4:0-4-4,0-1-12], [7:0-6-4,0-1-12], [13:0-5-12,0-3-8], [15:0-4-0,0-4-8]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.45	Vert(LL)	0.20	15	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.57	Vert(CT)	-0.30	15	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.86	Horz(CT)	0.41	11	n/a		
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS					Weight: 249 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-5-12 oc purlins, except end verticals, and 2-0-0 oc purlins (3-6-1 max.): 4-7.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 6-13, 7-12
<b>REACTIONS.</b>			
(size) 18=Mechanical, 10=Mechanical, 11=0-4-15			
Max Horz 18=246(LC 9)			
Max Uplift 18=283(LC 12), 10=336(LC 23), 11=553(LC 12)			
Max Grav 18=975(LC 1), 10=294(LC 9), 11=1306(LC 1)			

<b>FORCES.</b> (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-18=-943/491, 1-2=-1156/585, 2-3=-2571/1226, 3-4=-2700/1233, 4-5=-2213/1069, 5-6=-947/603, 6-7=-578/450, 7-8=-493/398, 8-9=-328/123, 9-10=-582/190
BOT CHORD	17-18=-322/247, 16-17=-960/1536, 15-16=-1269/2348, 14-15=-554/1248, 13-14=-266/705, 12-13=-147/429
WEBS	1-17=-581/1183, 2-17=-1424/756, 2-16=-240/636, 3-16=-298/168, 3-15=-266/328, 4-15=-759/1692, 5-15=-772/1454, 5-14=-1013/598, 6-14=-450/870, 6-13=-851/491, 7-13=-309/579, 7-12=-565/351, 8-12=-381/373, 9-12=-115/412

- 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=18ft; 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) 18=283, 10=336, 11=553.
  - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

November 22,2020

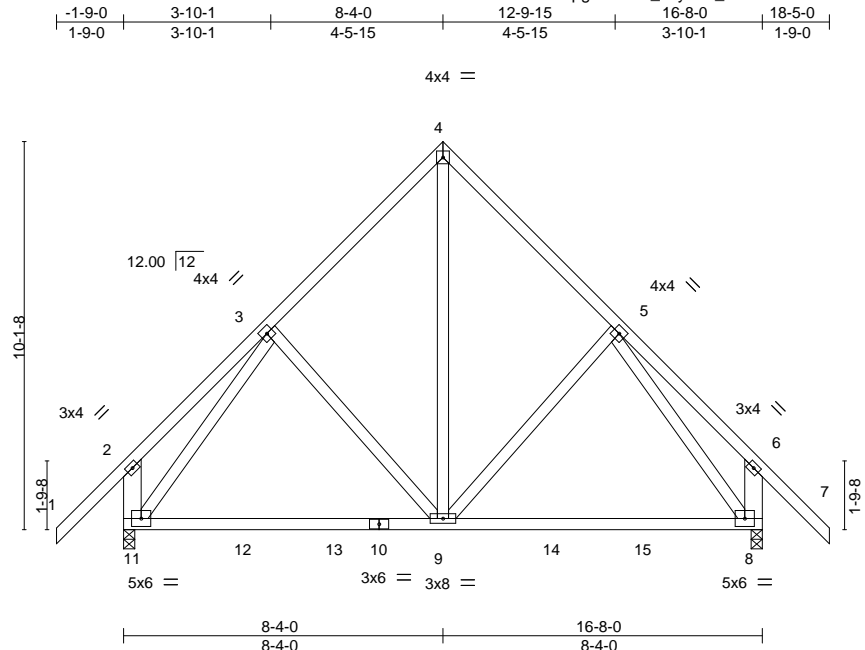
**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**  
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6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969614
2465503	T17	Common	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:01 2020 Page 1  
ID:imWskJWbWxAp8mhvxA\_7syJIW\_-sMI9b5TSkMmnEbH8zpZInE\_xH8S7Z8Nlr4\_\_wyGu94



Scale = 1:60.1

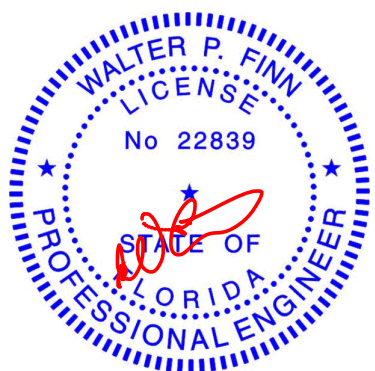
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in	(loc)	I/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.44	Vert(LL)	-0.08	8-9	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.59	Vert(CT)	-0.17	8-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.53	Horz(CT)	0.01	8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 126 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*	
2-11,6-8: 2x6 SP No.2	

**REACTIONS.** (size) 11=0-3-8, 8=0-3-8  
Max Horz 11=-390(LC 10)  
Max Uplift 11=-245(LC 12), 8=-245(LC 13)  
Max Grav 11=707(LC 1), 8=707(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 3-4=-536/337, 4-5=-536/337, 2-11=-312/256, 6-8=-311/256  
BOT CHORD 9-11=-210/471, 8-9=-36/386  
WEBS 4-9=-291/493, 5-9=-214/272, 3-9=-214/272, 3-11=-521/184, 5-8=-521/184

- 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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=245, 8=245.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

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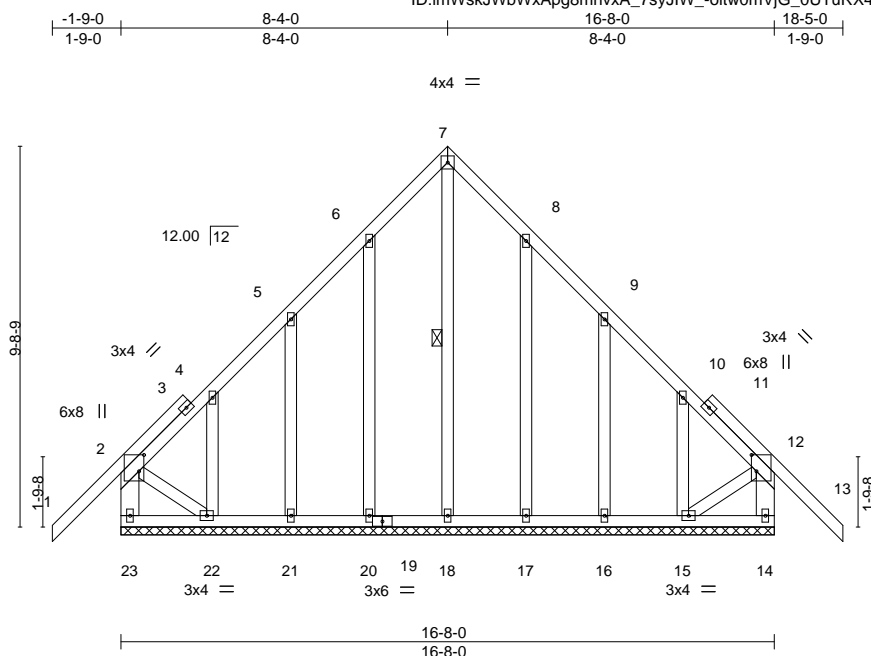
**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969615
2465503	T17G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:03 2020 Page 1

ID:imWskJWbWxAppg8mhvxA\_7syJIW\_-oltw0mVjG\_0UTuRX4EbAS1JKC4y6bZ3fC9Z43oyGu92



Scale = 1:58.8

Plate Offsets (X,Y)-- [2:0-5-0,0-1-8], [12:0-5-0,0-1-8]

LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.39		Vert(LL)	-0.02	13	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.07		Vert(CT)	-0.03	13	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.18		Horz(CT)	0.01	14	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S								
										Weight: 146 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x6 SP No.2 \*Except\*  
2-22,12-15: 2x4 SP No.3  
OTHERS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing, Except: 6'-0" oc bracing: 22-23,14-15.  
WEBS 1 Row at midpt 7-18

**REACTIONS.** All bearings 16'-8".  
(lb) - Max Horz 23=-368(LC 10)  
Max Uplift All uplift 100 lb or less at joint(s) 14 except 23=-154(LC 8), 20=-164(LC 12), 21=-175(LC 12), 22=-295(LC 12), 17=-162(LC 13), 16=-176(LC 13), 15=-284(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 18, 20, 21, 22, 17, 16, 15 except 23=318(LC 20), 14=268(LC 22)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-23=-296/163  
BOT CHORD 22-23=-328/317, 21-22=-247/301, 20-21=-247/301, 18-20=-247/301, 17-18=-247/301, 16-17=-247/301, 15-16=-247/301  
WEBS 2-22=-246/306, 12-15=-223/290

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - Gable studs spaced at 2'-0" oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 23=154, 20=164, 21=175, 22=295, 17=162, 16=176, 15=284.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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November 22,2020

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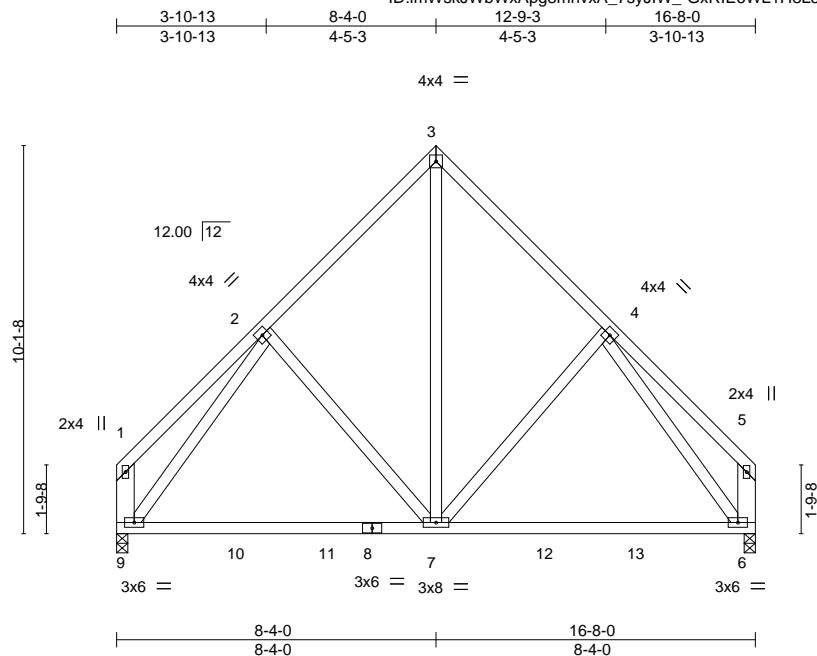
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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969616
2465503	T18	Common	3	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:04 2020 Page 1  
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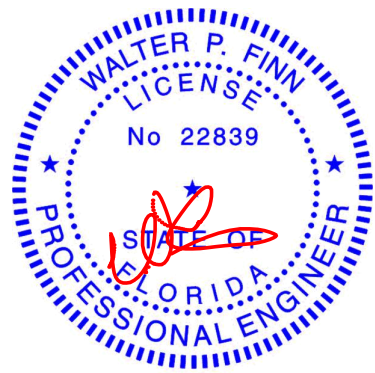
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.29	Vert(LL)	-0.08	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.59	Vert(CT)	-0.17	6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.55	Horz(CT)	0.01	6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 119 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 1-9,5-6: 2x6 SP No.2	

**REACTIONS.** (size) 9=0-3-8, 6=0-3-8  
Max Horz 9=328(LC 11)  
Max Uplift 9=-207(LC 13), 6=-207(LC 12)  
Max Grav 9=600(LC 1), 6=600(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-542/342, 3-4=-542/342  
BOT CHORD 7-9=-233/458, 6-7=-154/327  
WEBS 3-7=-304/508, 4-7=-226/277, 2-7=-226/277, 2-9=-487/217, 4-6=-487/217

- 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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=207, 6=207.



Walter P. Finn PE No.22839  
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Date:

November 22,2020

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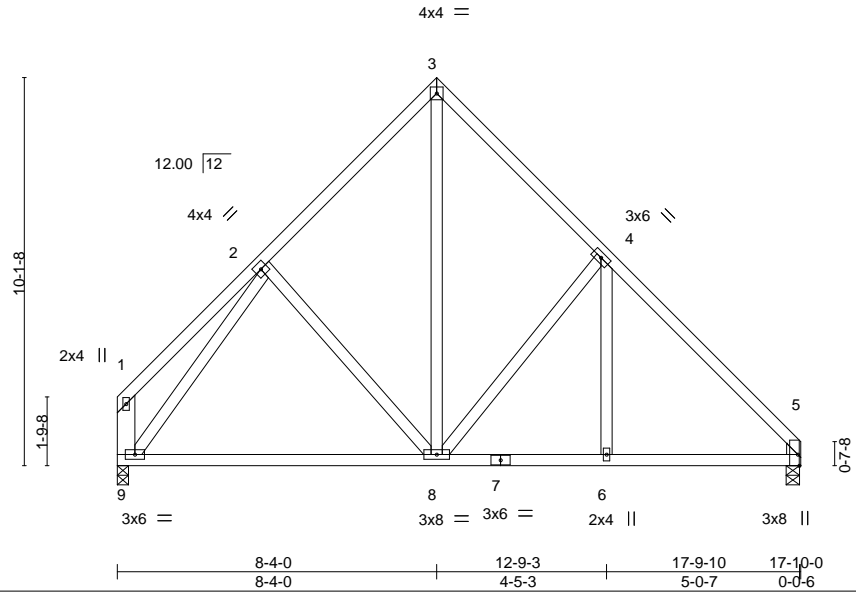
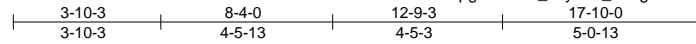


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Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969617
2465503	T19	Common	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:05 2020 Page 1  
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Scale = 1:60.1

Plate Offsets (X,Y)--		[5:0-0-7,0-0-7], [5:0-0-15,0-3-4], [5:0-3-8,Edge]									
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL	1.25	TC 0.34		Vert(LL)	-0.11 8-9	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.51		Vert(CT)	-0.22 8-9	>954	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.66		Horz(CT)	0.01 5	n/a	n/a		
BCDL 10.0		Code	FBC2017/TPI2014	Matrix-MS						Weight: 119 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD 2x4 SP No.2		TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*			
1-9: 2x6 SP No.2			
WEDGE			
Right: 2x4 SP No.3			

**REACTIONS.** (size) 9=0-3-8, 5=0-4-3  
Max Horz 9=-328(LC 10)  
Max Uplift 9=-228(LC 13), 5=-208(LC 12)  
Max Grav 9=651(LC 1), 5=651(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-600/372, 3-4=-610/384, 4-5=-740/337  
BOT CHORD 8-9=-207/488, 6-8=-117/465, 5-6=-117/465  
WEBS 2-8=-216/273, 3-8=-365/607, 4-8=-401/343, 2-9=-533/250

- 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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=228, 5=208.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
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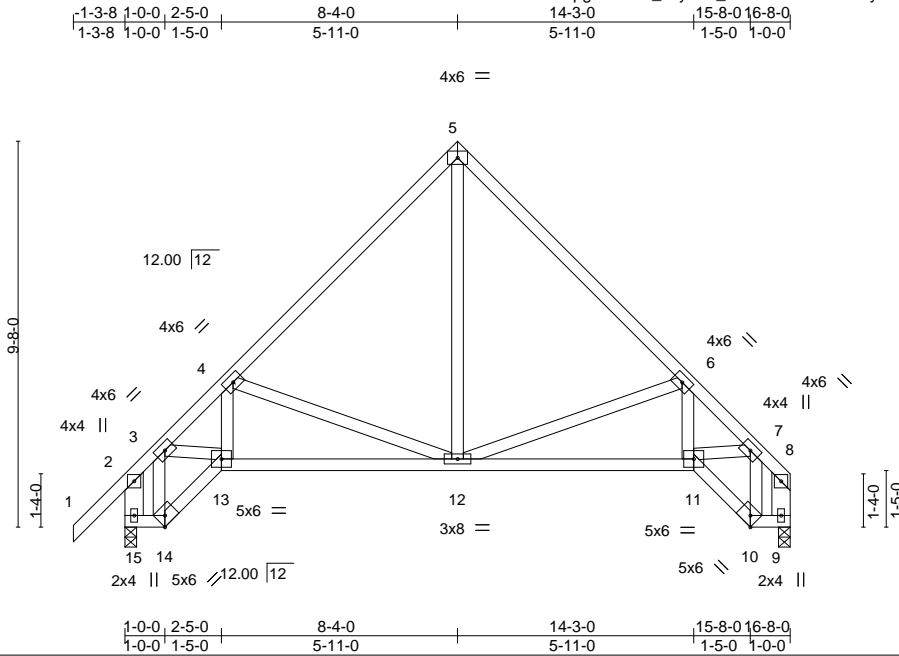


Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969618
2465503	T20	Roof Special	7	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:07 2020 Page 1

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Scale = 1:57.7

Plate Offsets (X,Y)-- [2:0-0-0,0-0-0], [6:0-0-0,0-0-0], [7:0-0-0,0-0-0], [10:0-2-8,Edge], [14:0-2-8,Edge]												
<b>LOADING</b> (psf)		<b>SPACING</b> 2-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d				<b>PLATES</b>	<b>GRIP</b>	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.03	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.07	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 114 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3 \*Except\*  
2-15,8-9: 2x6 SP No.2

## BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-8-6 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-11-13 oc bracing: 12-13.

## REACTIONS.

(size) 15=0-3-8, 9=0-3-8  
 Max Horz 15=339(LC 9)  
 Max Uplift 15=-233(LC 12), 9=-203(LC 12)  
 Max Grav 15=686(LC 1), 9=596(LC 1)

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

TOP CHORD 2-3=-453/232, 3-4=-889/420, 4-5=-576/313, 5-6=-576/313, 6-7=-845/397, 7-8=-433/212,  
2-15=-581/365, 8-9=-469/236

BOT CHORD 14-15=-252/319, 13-14=-328/435, 12-13=-435/865, 11-12=-330/669

WEBS 3-14=-324/166, 3-13=-308/630, 4-12=-494/442, 5-12=-216/480, 6-12=-489/386,  
7-11=-282/562, 7-10=-275/88

**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=18ft; Cat. II; Exp C; Encl., GCp1=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=233, 9=203.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22, 2020



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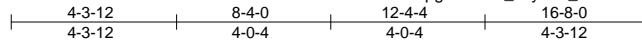


6904 Parke East Blvd.  
Tampa, FL 36610



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969620
2465503	T21	Common Girder	1	2	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:11 2020 Page 1  
ID:imWskJWbWxAppg8mhvxA\_7syJIW\_-ZHMxiVbkOR0MQ723Ywk2njfkUJZMT20r2PVWKLGu8w



4x6 ||

Scale = 1:60.1

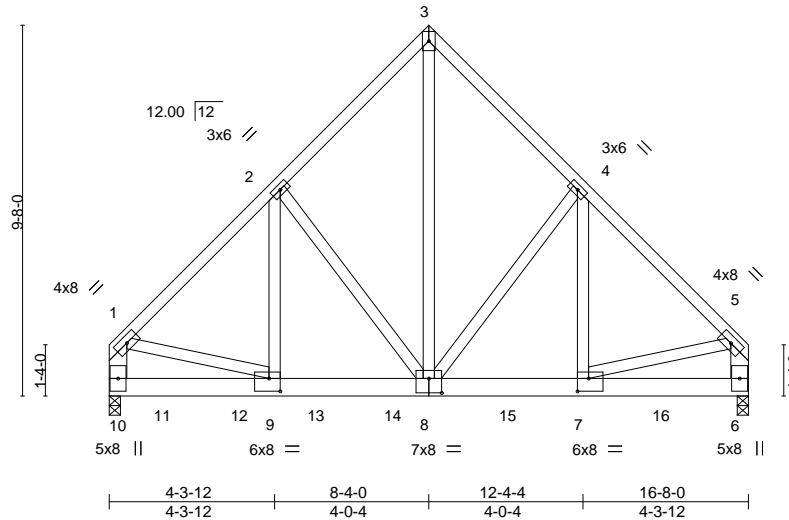


Plate Offsets (X,Y)--	[4:0-0-0,0-0-0], [5:0-0-0,0-0-0], [7:0-3-8,0-4-0], [8:0-4-0,0-4-8], [9:0-3-8,0-4-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	-0.05	8-9	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.55	Vert(CT)	-0.09	8-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.76	Horz(CT)	0.01	6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 273 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 1-10,5-6: 2x6 SP No.2	

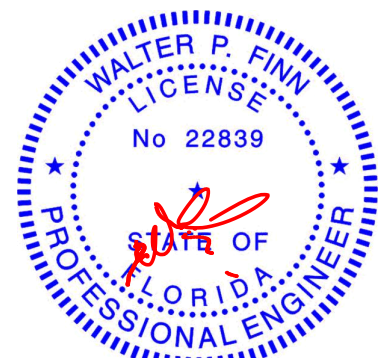
**REACTIONS.** (size) 10=0-3-8, 6=0-3-8  
Max Horz 10=-291(LC 6)  
Max Uplift 10=-1554(LC 9), 6=-1802(LC 8)  
Max Grav 10=4346(LC 2), 6=4746(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-3978/1474, 2-3=-3035/1272, 3-4=-3036/1270, 4-5=-3875/1490, 1-10=-3512/1293, 5-6=-3443/1317  
BOT CHORD 9-10=-410/576, 8-9=-1074/2764, 7-8=-990/2683, 6-7=-163/345  
WEBS 2-9=-448/1403, 2-8=-1109/578, 3-8=-1639/3994, 4-8=-978/603, 4-7=-478/1184, 1-9=-831/2422, 5-7=-880/2425

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.  
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=1554, 6=1802.
  - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 915 lb down and 321 lb up at 1-4-12, 915 lb down and 321 lb up at 3-4-12, 915 lb down and 321 lb up at 5-4-12, 915 lb down and 321 lb up at 7-4-12, 888 lb down and 364 lb up at 8-4-12, 895 lb down and 368 lb up at 10-4-12, 895 lb down and 368 lb up at 12-4-12, and 844 lb down and 347 lb up at 14-4-12, and 854 lb down and 337 lb up at 16-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

Continued on page 2



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969620
2465503	T21	Common Girder	1	2	Job Reference (optional)	

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

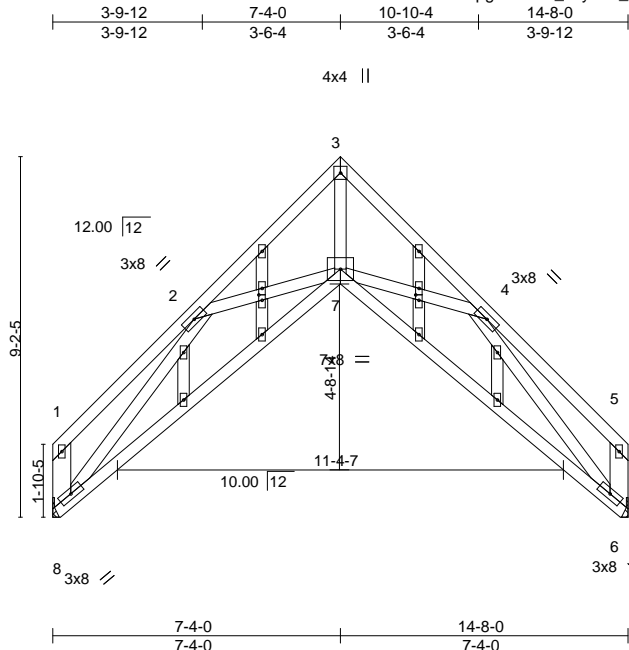
Vert: 1-3=-54, 3-5=-54, 6-10=-20

Concentrated Loads (lb)

Vert: 8=-888(F) 7=-888(F) 6=-845(F) 11=-882 12=-882 13=-882 14=-882 15=-888(F) 16=-835(F)

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969621
2465503	T22G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:12 2020 Page 1  
ID:imWskJWbWxApg8mhvx\_A\_7syJIW\_-1UwKvrcM9I9D2HdF6dGHJwBvpjwPCU7\_H2E3snyGu8v



Scale = 1:58.7

Plate Offsets (X,Y)--		[9:0-1-10,0-1-0], [16:0-1-10,0-1-0]									
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL	1.25	TC 0.21		Vert(LL)	-0.11 7-8	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.50		Vert(CT)	-0.23 7-8	>746	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.71		Horz(CT)	0.19 6	n/a	n/a		
BCDL 10.0		Code	FBC2017/TPI2014	Matrix-MS						Weight: 112 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-4-9 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 7-11-11 oc bracing.
WEBS	2x4 SP No.3 *Except*		
	1-8,5-6: 2x6 SP No.2		
OTHERS	2x4 SP No.3		

**REACTIONS.** (size) 8=Mechanical, 6=Mechanical  
Max Horz 8=-221(LC 8)  
Max Uplift 8=-453(LC 13), 6=-452(LC 12)  
Max Grav 8=821(LC 1), 6=822(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-1124/330, 3-4=-1160/373  
BOT CHORD 7-8=-544/1113, 6-7=-284/827  
WEBS 3-7=-384/1379, 4-7=-186/430, 2-7=-177/323, 2-8=-1044/425, 4-6=-966/355

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
  - 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.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=453, 6=452.
  - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 296 lb down and 275 lb up at 0-2-12, and 297 lb down and 274 lb up at 14-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard  
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-3=-54, 3-5=-54, 7-8=-20, 6-7=-20



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969621
2465503	T22G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:12 2020 Page 2

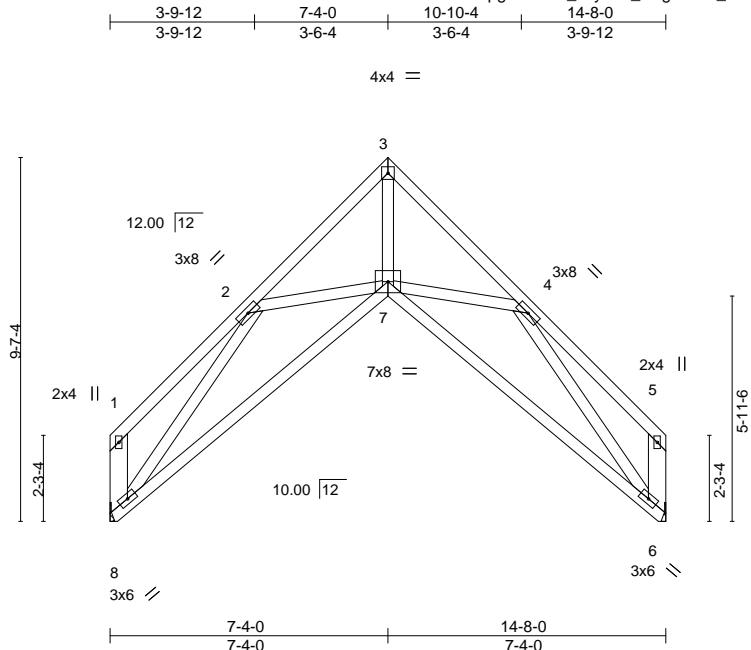
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**LOAD CASE(S)** Standard  
Concentrated Loads (lb)  
Vert: 8=-296 6=-297



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969622
2465503	T23	Scissor	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:13 2020 Page 1  
ID:imWskJWbWxAp8mhvxA\_7syJIW\_-WgUi7Bd\_v2H4gRCSgLnWs8k4V6GuxxM8Wi\_cODyGu8u



Scale = 1:60.8

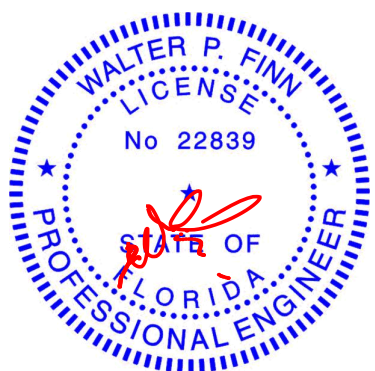
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.21	Vert(LL)	-0.11	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.49	Vert(CT)	-0.22	6-7	>771	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.71	Horz(CT)	0.15	6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 104 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-9-1 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 8-5-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 1-8,5-6: 2x6 SP No.2	

**REACTIONS.** (size) 8=Mechanical, 6=Mechanical  
Max Horz 8=-221(LC 8)  
Max Uplift 8=-191(LC 13), 6=-191(LC 12)  
Max Grav 8=526(LC 1), 6=526(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-990/325, 3-4=-1026/367  
BOT CHORD 7-8=-487/977, 6-7=-251/715  
WEBS 3-7=-378/1191, 4-7=-161/372, 2-7=-139/273, 2-8=-937/376, 4-6=-888/331

- 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=18ft; 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.
  - 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) 8=191, 6=191.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969623
2465503	T24	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:15 2020 Page 1  
ID:imWskJWbWxAp8mhvxA\_7syJIW\_-S3cSXteERgXnvkMqnlp\_xZpJcw\_9PxVQz0TjT6yGu8s

0-11-12 7-4-0 13-8-4 14-8-0  
0-11-12 6-4-4 6-4-4 0-11-12

4x6 =

Scale = 1:55.8

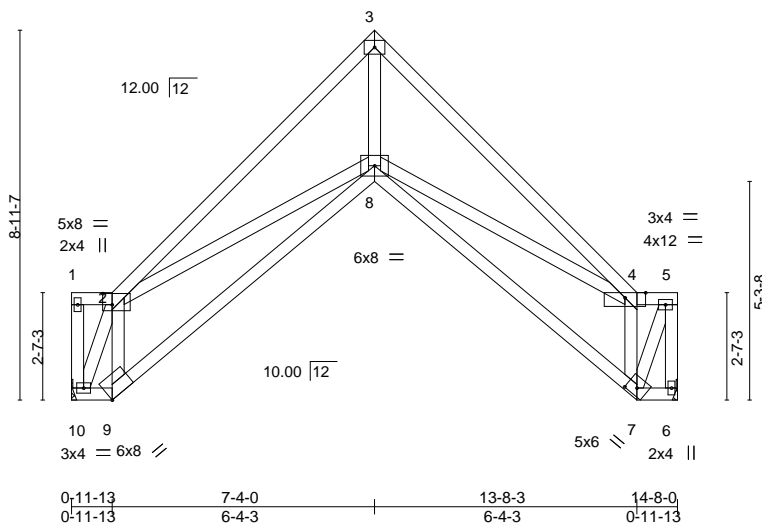


Plate Offsets (X,Y)-- [2:0-2-12,0-3-4], [7:0-3-0,0-2-1]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.68	Vert(LL)	-0.08	7-8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.37	Vert(CT)	-0.16	7-8	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.35	Horz(CT)	0.11	6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 102 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 4-1-4 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 9-11-7 oc bracing.

**REACTIONS.** (size) 10=Mechanical, 6=Mechanical  
Max Horz 10=196(LC 9)  
Max Uplift 10=183(LC 13), 6=183(LC 12)  
Max Grav 10=532(LC 1), 6=532(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-1012/296, 3-4=-1092/377, 4-5=-266/146, 5-6=-550/212  
BOT CHORD 9-10=-259/378, 8-9=-350/534, 7-8=-203/388  
WEBS 2-10=-779/432, 2-9=-202/258, 2-8=0/432, 3-8=-254/1044, 4-8=-210/606, 4-7=-833/564, 5-7=-414/749

- 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=18ft; 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.
  - 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) 10=183, 6=183.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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November 22,2020

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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969624
2465503	T25	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:16 2020 Page 1  
ID:imWskJWbWxAppg8mhvxA\_7syJIW\_-wF9qIDfsCzfeXuw1LTKDUMaDKLM8OTaCGCG?YyGu8r

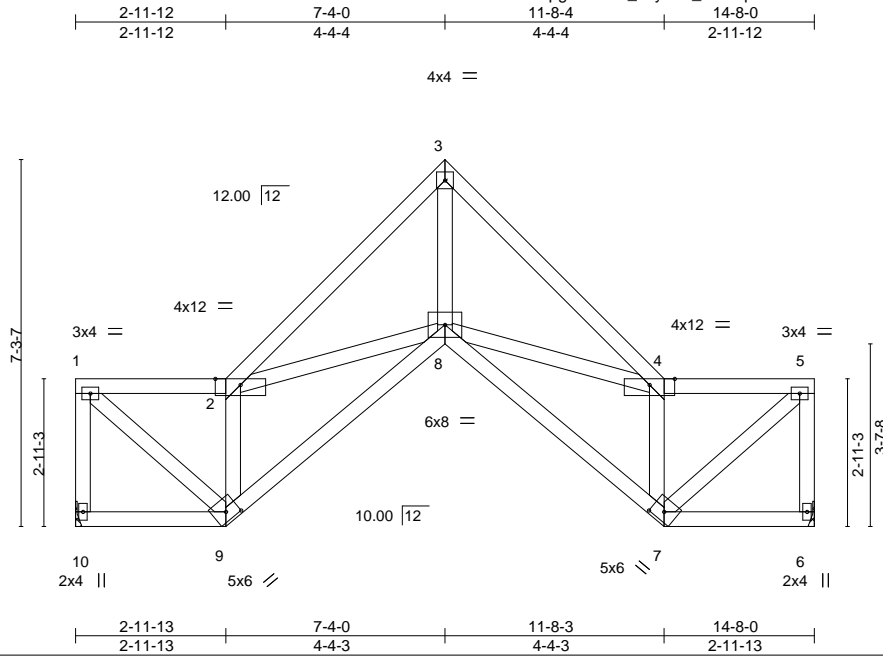


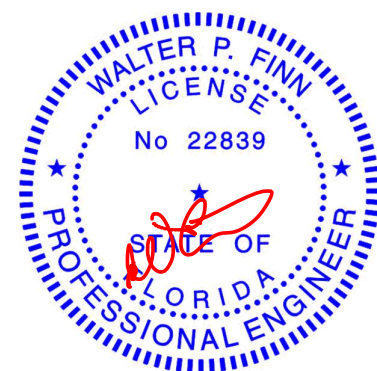
Plate Offsets (X,Y)-- [7:0-3-0,0-2-1], [9:0-3-0,0-2-1]									
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.31	Vert(LL)	-0.04 8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.25	Vert(CT)	-0.07 8-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.36	Horz(CT)	0.06 6	n/a	n/a		
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS					Weight: 96 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-8-8 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

**REACTIONS.** (size) 10=Mechanical, 6=Mechanical  
Max Horz 10=-134(LC 8)  
Max Uplift 10=-178(LC 12), 6=-178(LC 13)  
Max Grav 10=532(LC 1), 6=532(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-10=-505/259, 1-2=-478/233, 2-3=-933/374, 3-4=-933/374, 4-5=-478/233, 5-6=-505/259  
BOT CHORD 8-9=-339/653, 7-8=-313/653  
WEBS 1-9=-314/640, 2-9=-766/435, 3-8=-332/954, 4-7=-766/435, 5-7=-314/640

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=178, 6=178.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969625
2465503	T26	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:18 2020 Page 1  
ID:imWskJWbWxAppg8mhvx\_A\_7syJIW\_-seHbAvg7kbvMmC4PTuNhZBRw971XcHRtf\_hN3RyGu8p

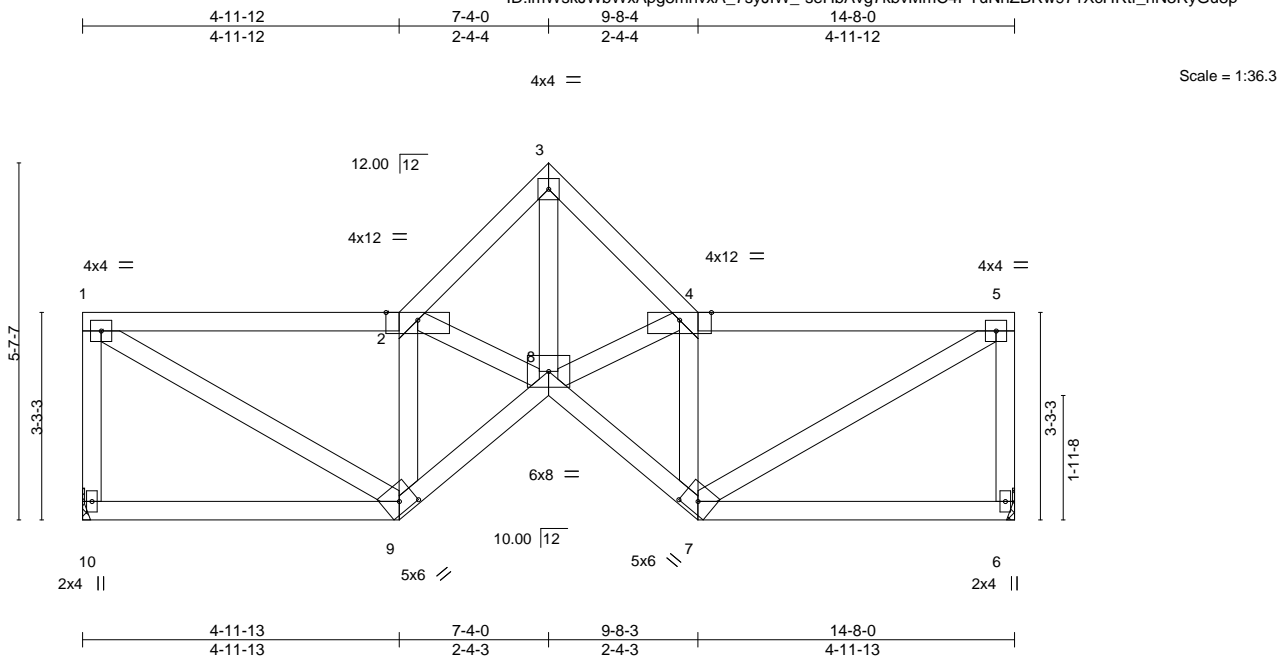


Plate Offsets (X,Y)--		[7:0-3-0,0-2-1], [9:0-3-0,0-2-1]									
<b>LOADING</b> (psf)		<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL	1.25	TC 0.28		Vert(LL)	-0.04 8	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.20		Vert(CT)	-0.07 8	>999	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.40		Horz(CT)	0.03 6	n/a	n/a		
BCDL 10.0		Code	FBC2017/TPI2014	Matrix-MS						Weight: 93 lb	FT = 20%

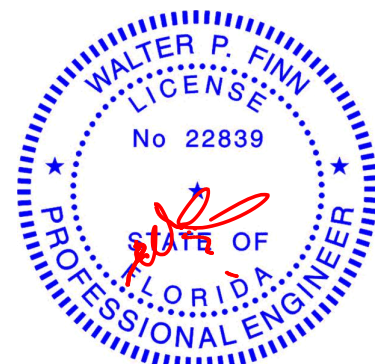
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 9-6-6 oc bracing.

**REACTIONS.** (size) 10=Mechanical, 6=Mechanical  
Max Horz 10=-71(LC 8)  
Max Uplift 10=-195(LC 12), 6=-195(LC 13)  
Max Grav 10=532(LC 1), 6=532(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-10=-481/280, 1-2=-593/291, 2-3=-870/436, 3-4=-870/436, 4-5=-593/291, 5-6=-481/280  
BOT CHORD 8-9=-387/783, 7-8=-387/783  
WEBS 1-9=-326/665, 2-9=-772/443, 3-8=-518/1040, 4-7=-772/443, 5-7=-326/665

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=195, 6=195.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969626
2465503	T27	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:19 2020 Page 1  
ID:imWskJWbWxApg8mhvxA\_7syJIW\_-seHbAvg7kbvMmC4PTuNhZBRsg72ocGdtf\_hN3QyGu8p  
6-11-13 6-11-13 7-4-07-8-3 6-4-30-4-3 14-8-0 6-11-13

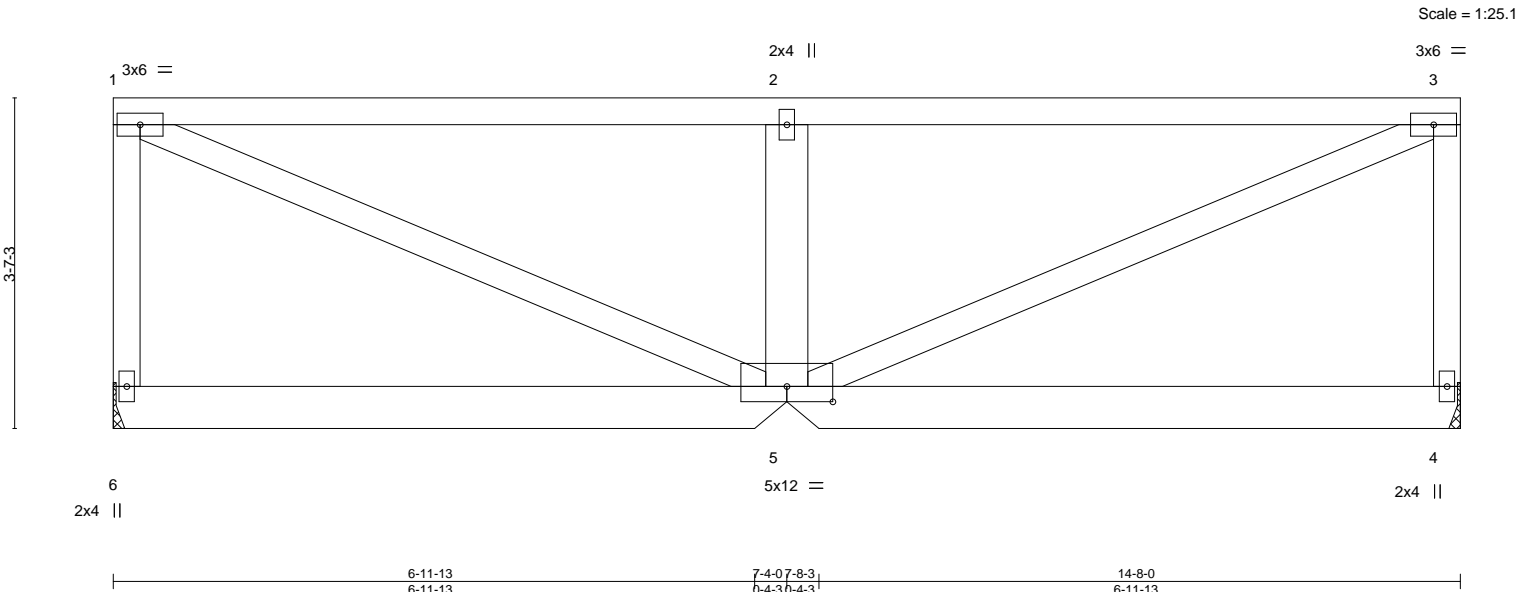


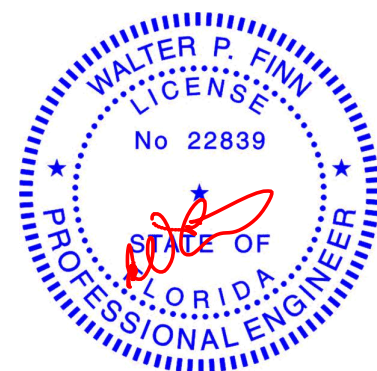
Plate Offsets (X,Y)-- [5:0-6-0,0-2-0]		6-11-13 6-11-13 7-4-07-8-3 6-4-30-4-3 14-8-0 6-11-13	
<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSL</b>	<b>DEFL.</b>
TCLL 20.0	2-0-0	TC 0.57	in (loc) l/defl L/d
TCDL 7.0	Plate Grip DOL 1.25	BC 0.18	Vert(LL) -0.03 5 >999 240
BCLL 0.0 *	Lumber DOL 1.25	WB 0.45	Vert(CT) -0.05 5-6 >999 180
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.00 4 n/a n/a
	Code FBC2017/TPI2014		
			<b>PLATES</b> MT20 <b>GRIP</b> 244/190
			Weight: 93 lb FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*	
2-5: 2x6 SP No.2	

**REACTIONS.** (size) 6=Mechanical, 4=Mechanical  
Max Uplift 6=-246(LC 8), 4=-246(LC 8)  
Max Grav 6=532(LC 1), 4=532(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-6=-464/293, 1-2=-736/389, 2-3=-736/389, 3-4=-464/293  
WEBS 1-5=-396/759, 3-5=-396/759, 2-5=-447/378

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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) 6=246, 4=246.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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Tampa, FL 33610

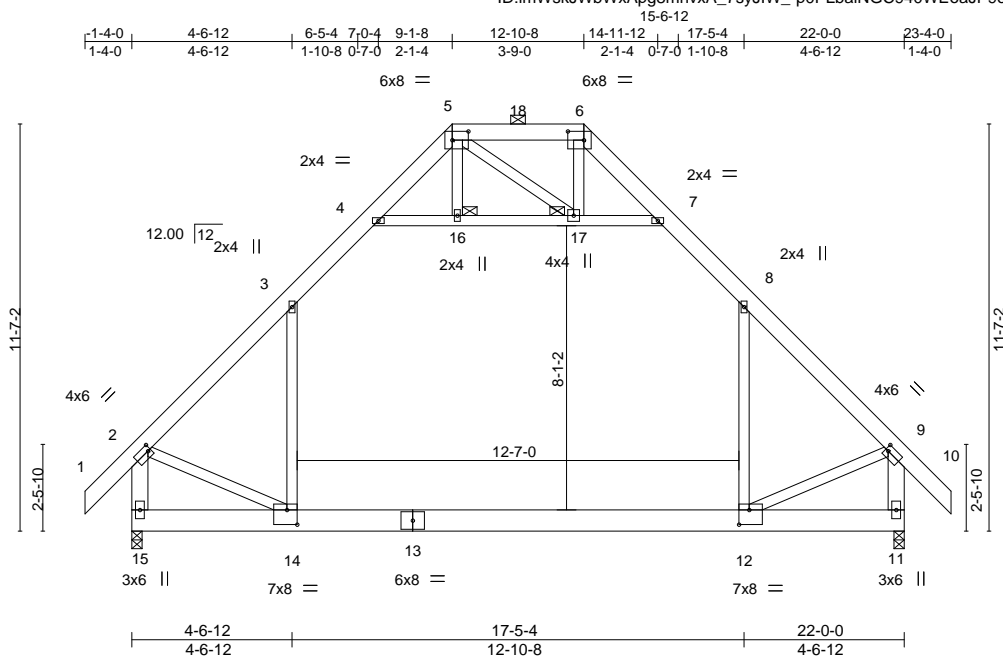


Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969627
2465503	T28	Attic	9	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:20 2020 Page 1

ID:imWskJWbWxAppg8mhvxX\_7syJIW\_-p0PLbaiNGC940WEoaJP9ecW5ixfP4B3A7IAU8JyGu8n



Scale = 1:65.6

Plate Offsets (X,Y)--		[2:0-1-0,0-2-0], [5:0-5-8,0-3-0], [6:0-5-8,0-3-0], [9:0-1-0,0-2-0], [12:0-3-8,0-5-0], [14:0-3-8,0-5-0]										
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	0.92	Vert(LL)	-0.31	12-14	>844	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.48	12-14	>539	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS		Attic	-0.23	12-14	681	360	Weight: 210 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x6 SP No.2  
BOT CHORD 2x8 SP 2400F 2.0E  
WEBS 2x4 SP No.3 \*Except\*  
2-15,9-11: 2x6 SP No.2

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
JOINTS 1 Brace at Jt(s): 16, 17

**REACTIONS.** (size) 15=0-3-8, 11=0-3-8  
Max Horz 15=-423(LC 10)  
Max Uplift 15=-130(LC 12), 11=-130(LC 13)  
Max Grav 15=1402(LC 2), 11=1402(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-1479/145, 3-4=-851/295, 7-8=-852/295, 8-9=-1478/144, 2-15=-1634/231, 9-11=-1634/231  
BOT CHORD 14-15=-401/491, 12-14=-51/973  
WEBS 3-14=-6/816, 4-16=-1036/265, 16-17=-1033/266, 7-17=-1042/267, 8-12=-6/815, 2-14=-109/989, 9-12=-113/992

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-16, 16-17, 7-17; Wall dead load (5.0psf) on member(s). 3-14, 8-12
  - Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=130, 11=130.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
  - Attic room checked for L/360 deflection.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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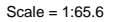


6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969628
2465503	T28G	GABLE	1	1	Job Reference (optional)	

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1-4-0	4-6-12	6-5-4	7-5-3	9-6-7	12-5-9	14-6-13	15-6-12	17-5-4	22-0-0	23-4-0
1-4-0	4-6-12	1-10-8	1-0-0	2-1-4	2-11-2	2-1-4	1-0-0	1-10-8	4-6-12	1-4-0



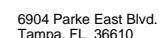
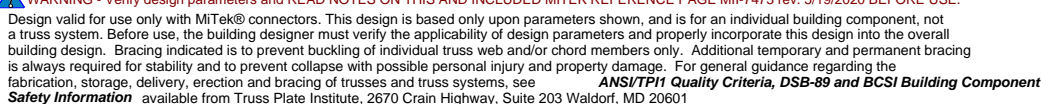
<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc)	<b>L/defl</b>	<b>L/d</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.25	TC 0.41	Vert(LL) -0.32 14-16	>815	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.50	Vert(CT) -0.50 14-16	>517	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.41	Horz(CT) 0.01 13	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS	Attic -0.23 14-16	669	360	Weight: 240 lb	FT = 20%

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 18, 19

- 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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 2'-0" oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
- 9) Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-18, 18-19, 8-19; Wall dead load (5.0psf) on member(s). 4-16, 9-14
- 10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=134, 13=134.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Attic room checked for L/360 deflection.



November 22, 2020



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969629
2465503	T29	ATTIC	1	2	Job Reference (optional)	

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:23 2020 Page 1

ID:imWskJWbWxApg8mhvxA\_7syJIW\_-Db4UDckFZ7XftzzNFRysGF8kE8fdHYhcpGP8leyGu8k

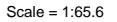


Plate Offsets (X,Y)-- [2:0-1-0,0-2-0], [5:0-5-8,0-3-0], [6:0-5-8,0-3-0], [9:0-1-8,0-2-0], [11:0-3-8,0-5-0], [13:0-3-8,0-5-0]									
<b>LOADING</b> (psf)		<b>SPACING-</b> 4-0-0		<b>CSI.</b>		<b>DEFL.</b> in (loc) l/defl L/d		<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0		Plate Grip DOL 1.25		TC 0.39		Vert(LL) -0.28 11-13 >935 240		MT20	244/190
TCDL 7.0		Lumber DOL 1.25		BC 0.53		Vert(CT) -0.43 11-13 >601 180			
BCLL 0.0 *		Rep Stress Incr NO		WB 0.40		Horz(CT) 0.01 10 n/a n/a			
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MS		Attic -0.22 11-13 717 360		Weight: 412 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x6 SP M 26 *Except* 5-6: 2x6 SP No.2	TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD	2x8 SP 2400F 2.0E	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* 2-14,9-10: 2x6 SP No.2	JOINTS	1 Brace at Jt(s): 5, 6, 9, 2, 15, 16

**REACTIONS.** (size) 14=0-3-8, 10=0-3-8  
 Max Horz 14=813(LC 9)  
 Max Uplift 14=-258(LC 12), 10=-160(LC 13)  
 Max Grav 14=2808(LC 2), 10=2661(LC 2)

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

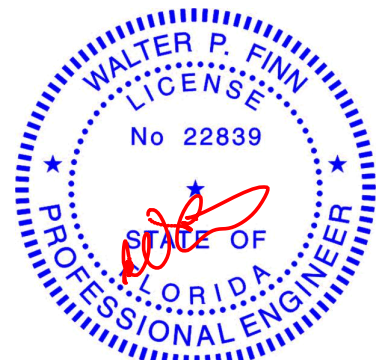
**TOP CHORD** 2-3=-2969/284, 3-4=-1716/586, 4-5=-487/261, 5-6=-172/455, 6-7=-479/263,  
7-8=-1718/589, 8-9=-2950/262, 2-14=-3291/458, 9-10=-3175/274

**BOT CHORD** 13-14=-845/901, 11-13=-136/1919

**WEBS** 3-13=0/1643, 4-15=-2093/524, 15-16=-2087/526, 7-16=-2108/534, 8-11=0/1602,  
2-13=-207/2039, 9-11=-215/2044, 5-16=-287/279

**NOTES-**

- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.  
Bottom chords connected as follows: 2x8 - 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) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-15, 15-16, 7-16; Wall dead load (5.0psf) on member(s). 3-13, 8-11
- 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=258, 10=160.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) Attic room checked for L/360 deflection.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22, 2020



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6904 Parke East Blvd.  
Tampa, FL 36610



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969631
2465503	T31	Monopitch	9	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:24 2020 Page 1  
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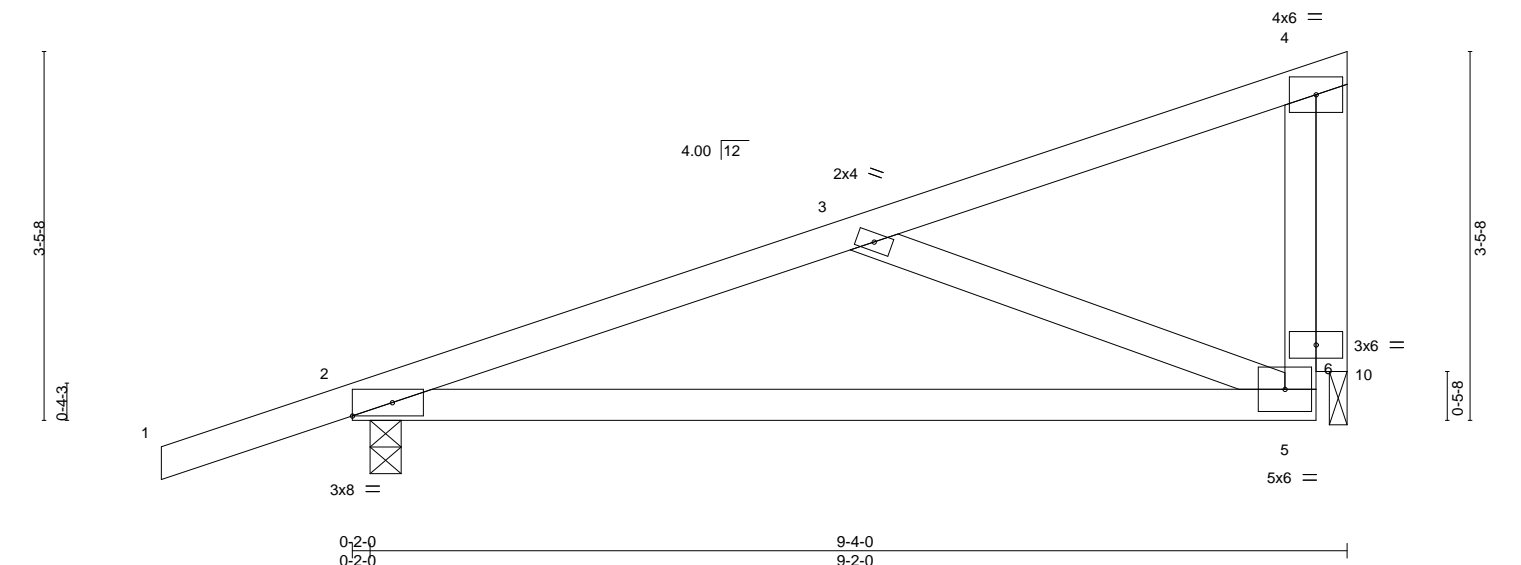
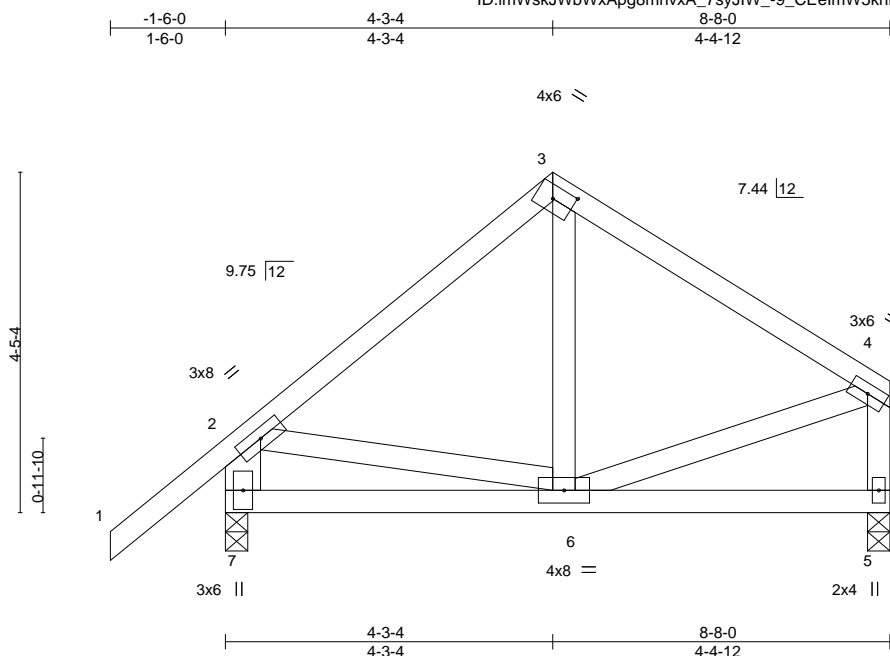


Plate Offsets (X,Y)--		[2:Edge,0-1-8]										
<b>LOADING</b>	(psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>		<b>DEFL.</b>	in	(loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	0.33	5-9	>337	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	0.29	5-9	>389	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	-0.01	10	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 46 lb	FT = 20%



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969632
2465503	T32	Roof Special	4	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:25 2020 Page 1  
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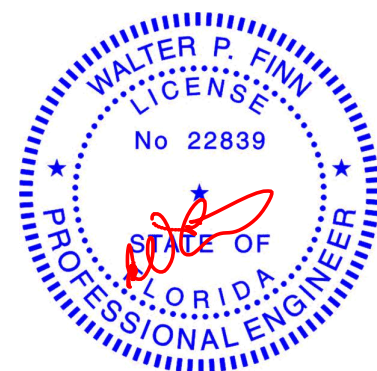
Plate Offsets (X,Y)-- [3:0-3-5,0-2-0]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.02	6-7	>999	240	MT20 244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.02	6-7	>999	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	5	n/a	n/a	
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS						Weight: 53 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* 2-7: 2x6 SP No.2		

**REACTIONS.** (size) 7=0-3-8, 5=0-3-8  
Max Horz 7=180(LC 9)  
Max Uplift 7=-162(LC 12), 5=-107(LC 13)  
Max Grav 7=410(LC 1), 5=297(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-284/338, 3-4=-252/339, 4-5=-263/329, 2-7=-369/429

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=162, 5=107.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

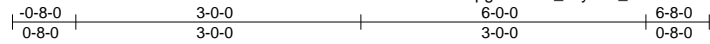
**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**  
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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969633
2465503	T33	KINGPOST	8	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:26 2020 Page 1  
ID:imWskJWbWxAppg8mhvxA\_7syJIW\_-dAmc8s2vEkRhyxZWZutmJLMn8U?n2VEdoMzyGu8h



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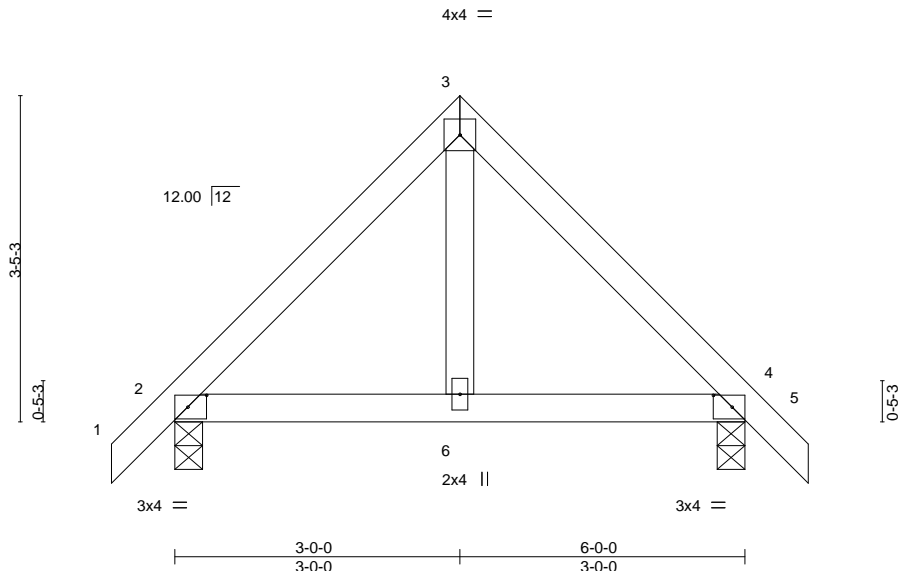


Plate Offsets (X,Y)--		[2:0-2-6,0-1-8], [4:0-2-6,0-1-8]	
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14
TCDL 7.0	Lumber DOL	1.25	BC 0.15
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MP
			<b>DEFL.</b>
			in (loc) l/defl L/d
			Vert(LL) 0.01 6-9 >999 240
			Vert(CT) -0.01 6-9 >999 180
			Horz(CT) 0.00 4 n/a n/a
			<b>PLATES</b> <b>GRIP</b>
			MT20 244/190
			Weight: 29 lb FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

**REACTIONS.** (size) 2=0-3-8, 4=0-3-8  
Max Horz 2=114(LC 11)  
Max Uplift 2=-94(LC 12), 4=-94(LC 13)  
Max Grav 2=258(LC 1), 4=258(LC 1)

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

**NOTES-**  
1) Unbalanced roof live loads have been considered for this design.  
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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.  
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

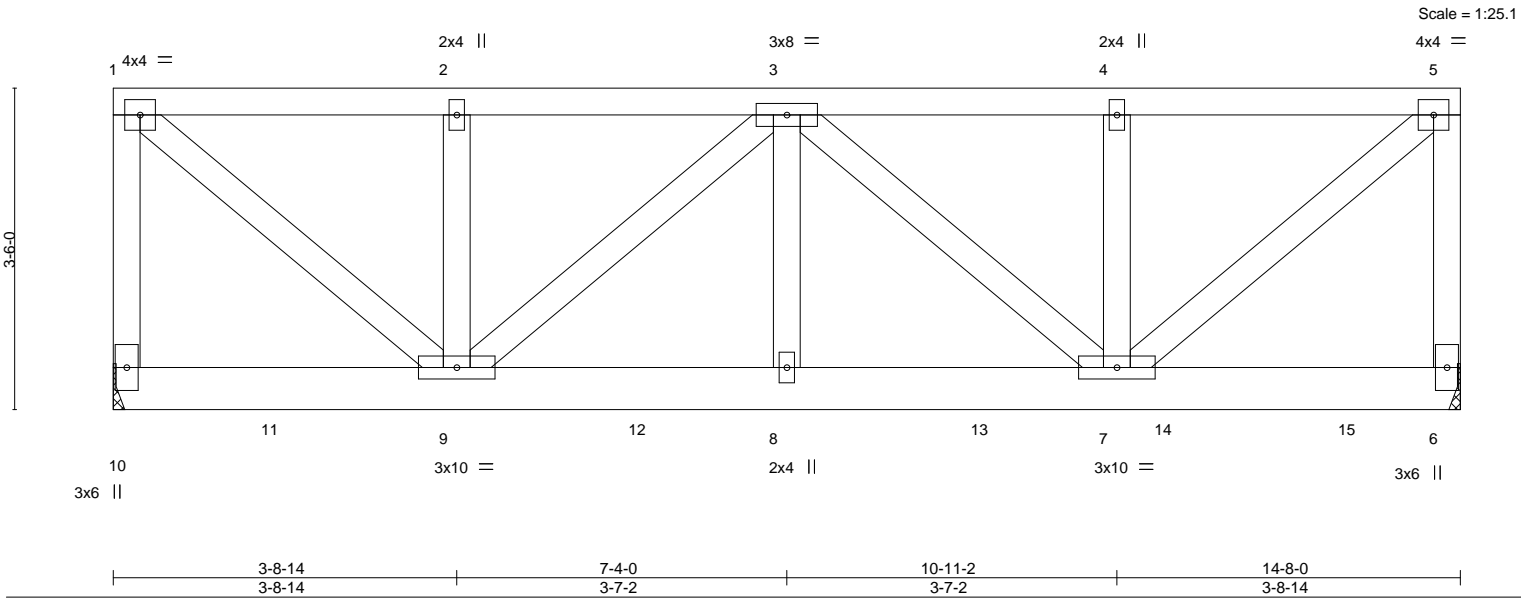
November 22,2020

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969634
2465503	TG01	FLAT GIRDER	1	2	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:28 2020 Page 1  
ID:imWskJWbWxAppg8mhvxA\_7syJIW\_-aZuNGJoONfAxzkrK2\_Y1zIsen9RRypLyY6vQsyGu8f  
3-8-14 3-8-14 7-4-0 3-7-2 10-11-2 3-7-2 14-8-0 3-8-14



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.21	Vert(LL)	0.04	8-9	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.29	Vert(CT)	-0.04	8-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.40	Horz(CT)	0.01	6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 204 lb	FT = 20%

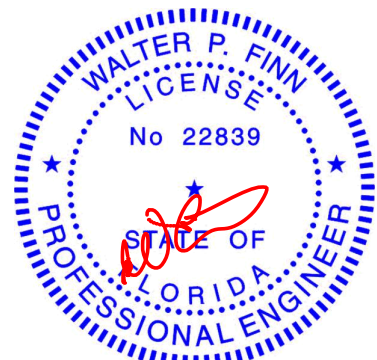
<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

**REACTIONS.** (size) 10=Mechanical, 6=Mechanical  
Max Uplift 10=-1094(LC 4), 6=-1162(LC 4)  
Max Grav 10=1668(LC 1), 6=1763(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-10=-1472/980, 1-2=-1612/1066, 2-3=-1612/1066, 3-4=-1600/1055, 4-5=-1600/1055, 5-6=-1460/970  
BOT CHORD 8-9=-1401/2120, 7-8=-1401/2120  
WEBS 1-9=-1389/2101, 3-9=-673/445, 3-8=-448/698, 3-7=-688/459, 5-7=-1373/2082

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=1094, 6=1162.
  - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 337 lb down and 266 lb up at 1-9-10, 337 lb down and 266 lb up at 3-9-10, 337 lb down and 266 lb up at 5-9-10, 339 lb down and 266 lb up at 7-6-6, 339 lb down and 266 lb up at 9-6-6, and 339 lb down and 266 lb up at 11-6-6, and 339 lb down and 266 lb up at 13-6-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard  
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-5=-54, 6-10=-20



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

Continued on page 2

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969634
2465503	TG01	FLAT GIRDER	1	2	Job Reference (optional)	

**LOAD CASE(S)**
Standard

Concentrated Loads (lb)

Vert: 9=-337(F) 8=-339(F) 11=-337(F) 12=-337(F) 13=-339(F) 14=-339(F) 15=-339(F)



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969635
2465503	TG02	Half Hip Girder	1	2	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL),
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8.240 s Mar 9 2020
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Sat Nov 21 17:46:30 2020
Page 1

ID:imWskJWbWxAppg8mhvxX\_7syJIW\_-Wx07h?qevGQfC2?jAPaV2jxwxz6CQhyeQsb0VkyGu8d
10-8-12
3-2-6
3-2-6
3-2-6
1-6-15

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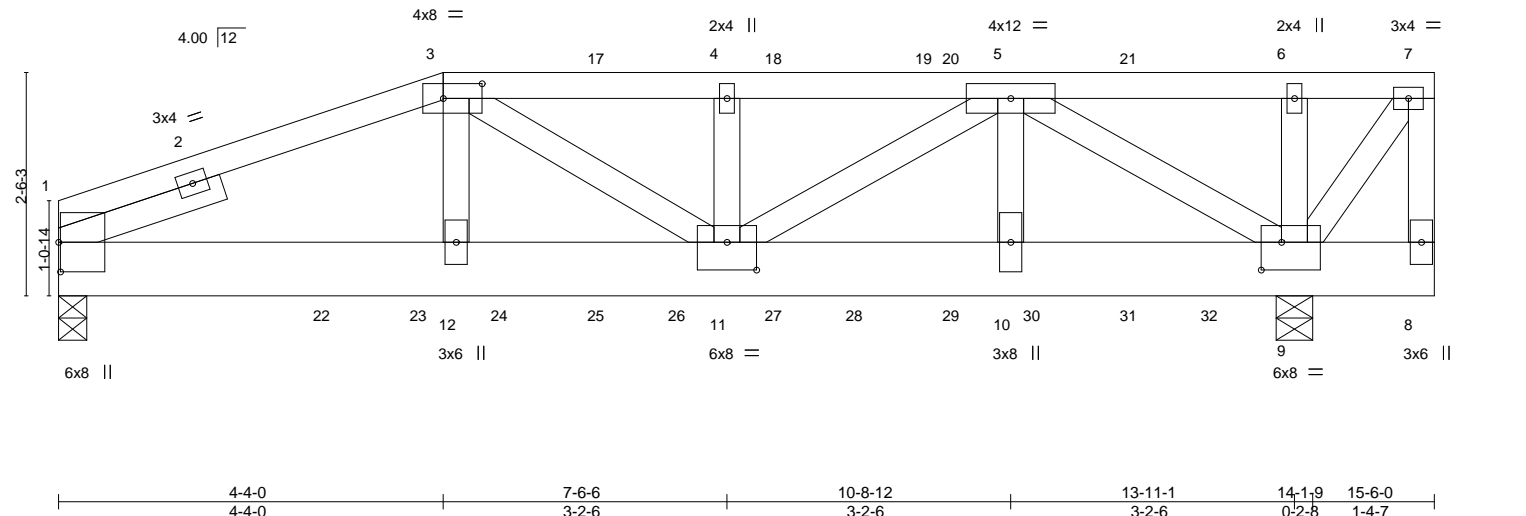


Plate Offsets (X,Y)--														[1:0-4-0,0-0-4], [3:0-5-4,0-2-0], [9:0-2-12,0-3-12], [11:0-4-0,0-3-12]					
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0		Plate Grip DOL		1.25	TC	0.48	Vert(LL)	-0.07	11-12		>999		240		MT20		244/190	
TCDL	7.0		Lumber DOL		1.25	BC	0.27	Vert(CT)	-0.13	11-12		>999		180					
BCLL	0.0	*	Rep Stress Incr		NO	WB	0.49	Horz(CT)	0.02	9		n/a		n/a					
BCDL	10.0		Code		FBC2017/TPI2014		Matrix-MS									Weight: 208 lb		FT = 20%	

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969635
2465503	TG02	Half Hip Girder	1	2	Job Reference (optional)	

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

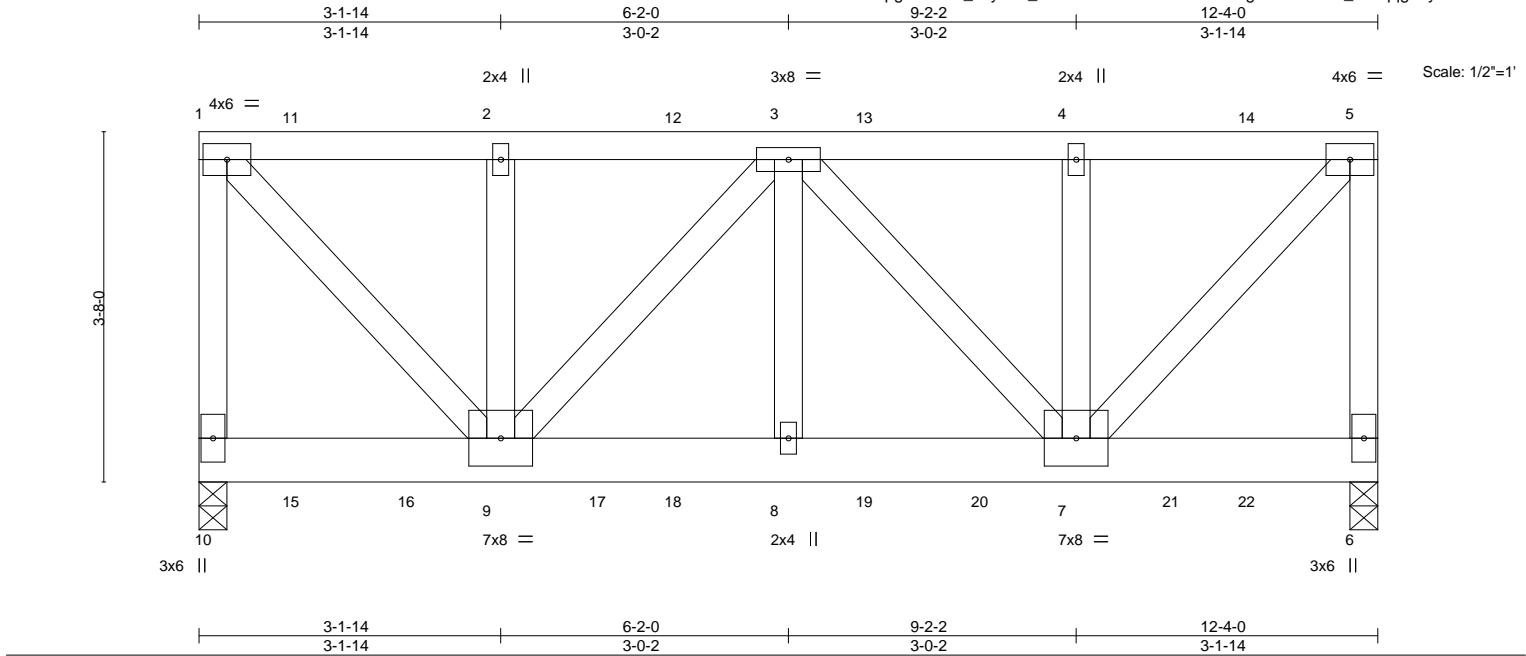
Vert: 1-3=-54, 3-7=-54, 8-13=-20

Concentrated Loads (lb)

Vert: 3=-36(B) 8=100(F) 6=-50(B) 9=-203(B) 17=-39(B) 18=-39(B) 20=-29(B) 22=8(F) 23=-18(B) 24=-996(F) 25=-19(B) 26=-996(F) 27=-19(B) 28=-996(F) 29=-15(B) 30=-996(F) 31=-6(B) 32=-996(F)

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969636
2465503	TG03	Flat Girder	1	2	Job Reference (optional)	

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ID:imWskJWbWxAppg8mhvxA\_7syJIW\_-wWhGJ1sXCBoE3VklrX8CgMZVBA5Gd\_L46qqg53yGu8a



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.23	Vert(LL)	-0.03	8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.51	Vert(CT)	-0.06	8-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.70	Horz(CT)	0.01	6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 185 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

**REACTIONS.** (size) 10=0-3-8, 6=0-3-8  
Max Uplift 10=-1338(LC 4), 6=-1078(LC 4)  
Max Grav 10=4000(LC 1), 6=3107(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-10=-2819/995, 1-2=-2528/869, 2-3=-2528/869, 3-4=-2526/869, 4-5=-2526/869, 5-6=-2817/999  
BOT CHORD 8-9=-1161/3363, 7-8=-1161/3363  
WEBS 1-9=-1269/3698, 3-9=-1237/433, 3-8=-438/1572, 3-7=-1240/433, 5-7=-1267/3691

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=1338, 6=1078.
  - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 17 lb down and 17 lb up at 1-0-12, 51 lb down and 68 lb up at 3-0-12, 51 lb down and 68 lb up at 5-0-12, 51 lb down and 68 lb up at 7-0-12, and 51 lb down and 68 lb up at 9-0-12, and 21 lb down and 25 lb up at 11-0-12 on top chord, and 963 lb down and 294 lb up at 0-1-12, 25 lb down and 2 lb up at 1-0-12, 996 lb down and 320 lb up at 2-3-4, 36 lb down at 3-0-12, 996 lb down and 320 lb up at 4-3-4, 36 lb down at 5-0-12, 996 lb down and 320 lb up at 6-3-4, 36 lb down at 7-0-12, 996 lb down and 320 lb up at 8-3-4, 36 lb down at 9-0-12, and 996 lb down and 320 lb up at 10-3-4, and 26 lb down and 2 lb up at 11-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard  
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Continued on page 2



Walter P. Finn PE No.22839  
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Date:

November 22,2020

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**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969636
2465503	TG03	Flat Girder	1	2	Job Reference (optional)	

**LOAD CASE(S)**
Standard

Uniform Loads (plf)

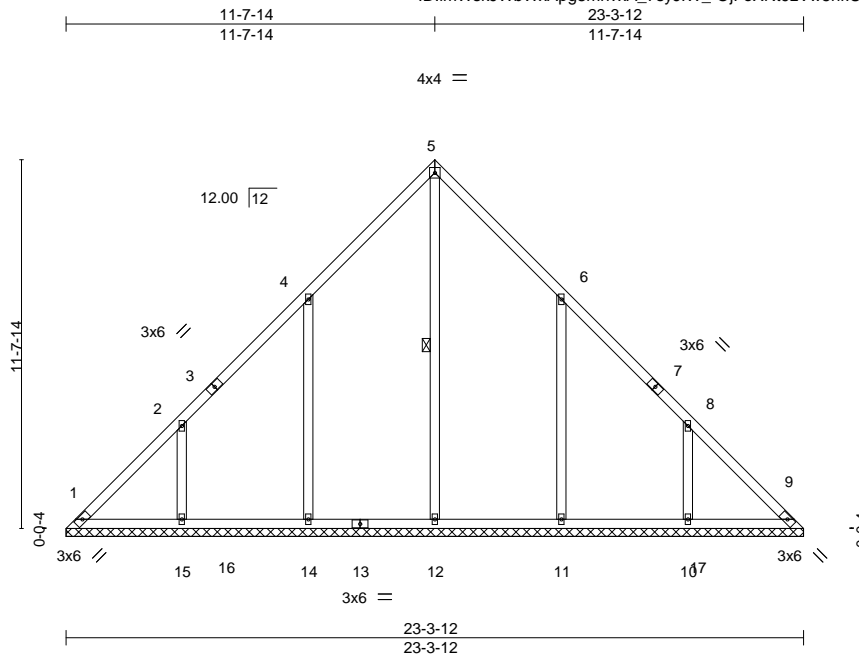
Vert: 1-5=-54, 6-10=-20

Concentrated Loads (lb)

Vert: 10=-963(F) 9=-18(B) 2=-51(B) 8=-996(F) 4=-51(B) 7=-18(B) 11=-0(B) 12=-51(B) 13=-51(B) 14=-5(B) 15=2(B) 16=-996(F) 17=-996(F) 18=-18(B) 19=-18(B) 20=-996(F) 21=-996(F) 22=2(B)

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969637
2465503	V01	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:34 2020 Page 1  
ID:imWskJWbWxApG8mhvxA\_7syJIW\_-OjFeXNt9zVw5hflUPfRCZ6gtaWhMWbDLUZDeVyGu8Z



Scale = 1:72.8

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 0.23	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.17	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.38	Horz(CT)	0.01	9	n/a		
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-S					Weight: 129 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	WEBS 1 Row at midpt 5-12

**REACTIONS.** All bearings 23-3-12.  
(lb) - Max Horz 1=-352(LC 8)  
Max Uplift All uplift 100 lb or less at joint(s) 9 except 1=-120(LC 10), 14=-356(LC 12), 15=-331(LC 12), 11=-355(LC 13), 10=-332(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 1, 9 except 12=408(LC 22), 14=511(LC 19), 15=405(LC 19), 11=511(LC 20), 10=405(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-410/278, 4-5=-255/274, 5-6=-255/267, 8-9=-354/226  
BOT CHORD 1-15=-197/311, 14-15=-197/311, 12-14=-197/311, 11-12=-197/311, 10-11=-197/311, 9-10=-197/311  
WEBS 4-14=-381/382, 2-15=-354/344, 6-11=-381/382, 8-10=-354/345

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 1=120, 14=356, 15=331, 11=355, 10=332.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
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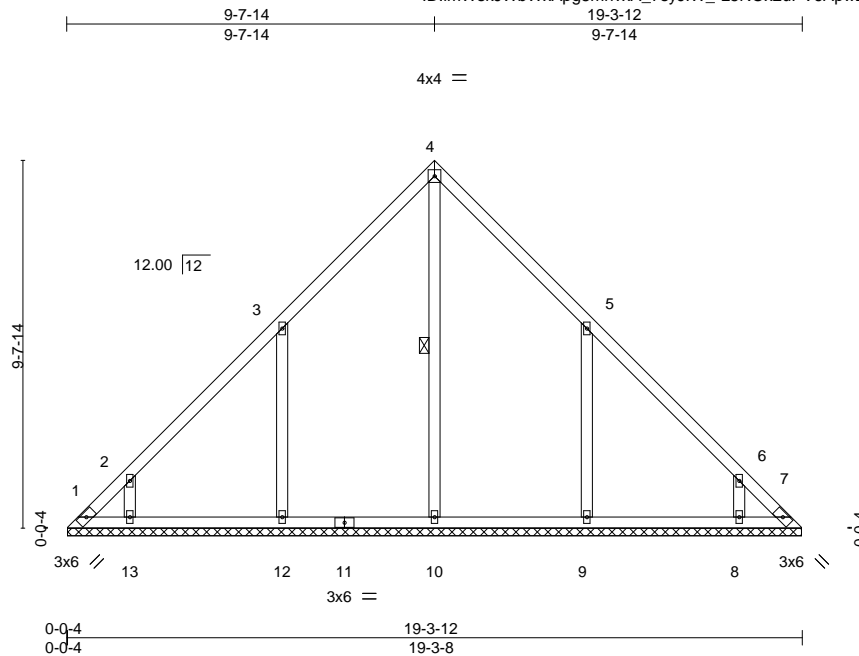


6904 Parke East Blvd.  
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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969638
2465503	V02	Valley	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL),	Jacksonville, FL - 32244,
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Scale = 1:60.5

[illegible]

**LUMBER-**

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	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 10-0-0 oc bracing.	
WEBS	1 Row at midpt	4-10

**REACTIONS.** All bearings 19-3-4.

(lb) - Max Horz 1=-290(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) except 1=174(LC 10), 7=125(LC 11), 12=368(LC 12), 13=267(LC 12), 9=367(LC 13), 8=268(LC 13)

Max Grav All reactions 250 lb or less at joint(s) except 1=287(LC 12), 7=254(LC 13), 10=391(LC 22), 12=455(LC 19), 13=280(LC 19), 9=455(LC 20), 8=280(LC 20)

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

TOP CHORD      1-2=-405/253, 6-7=-359/236

WEBS 3-12=-392/392, 2-13=-299/293, 5-9=-392/392, 6-8=-299/293

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCFL=4.2psf; BCDL=3.0psf; h=18ft; 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) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at joint 1, 125 lb uplift at joint 7, 368 lb uplift at joint 12, 267 lb uplift at joint 13, 367 lb uplift at joint 9 and 268 lb uplift at joint 8.



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Date:

November 22, 2020



**WARNING – Verify design parameters and READ NOTES ON THIS AND INCLUDED WELTER REFERENCE PAGE MP147316V, 3/15/2020 (BY ONE USE).**  
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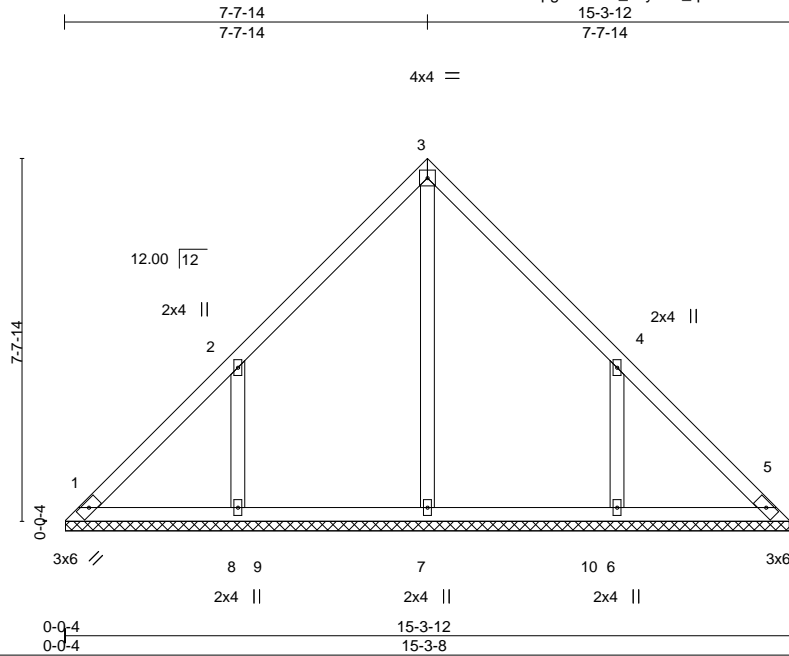


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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969639
2465503	V03	Valley	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:37 2020 Page 1  
ID:imWskJWbWxAppg8mhvxA\_7syJIW\_-plx9Ov1GQlqY7134NC8qCkAPoXDZx4g1RouEqyGu8W



Scale = 1:48.6

<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.25	TC 0.21	Vert(LL) n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.18	Vert(CT) n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.14	Horz(CT) 0.00	5	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-S				Weight: 73 lb	FT = 20%

**LUMBER-**

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	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 10-0-0 oc bracing.

## REACTIONS.

**NS.** All bearings 15-3-4.  
(lb) - Max Horiz 1=227(LC 11)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=364(LC 12), 6=363(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=356(LC 22), 8=433(LC 19), 6=433(LC 20)

**FORCES.**

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**WEBS** 2-8=-383/378, 4-6=-383/378

**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=18ft; Cat. II; Exp C; Encl., GCp=-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) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=364, 6=363.



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November 22, 2020



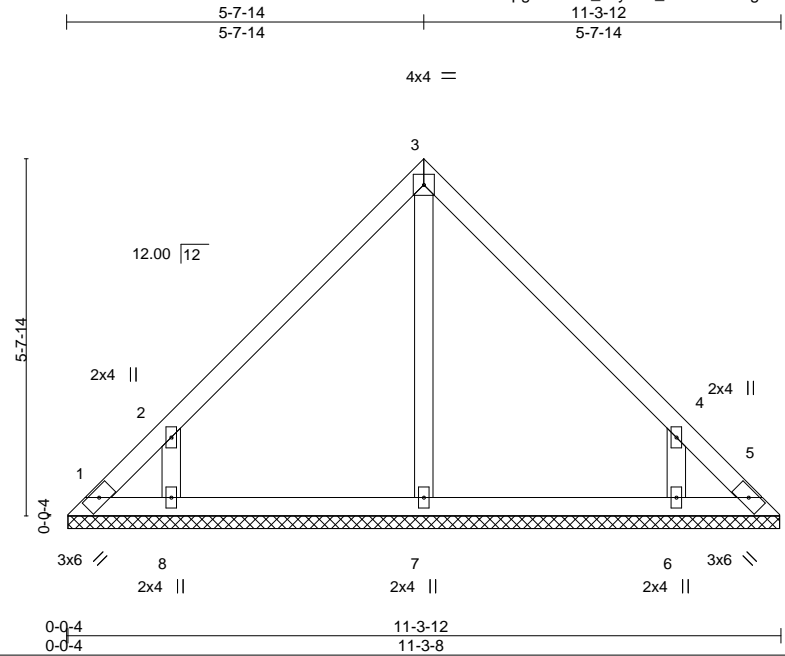
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6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969640
2465503	V04	Valley	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:38 2020 Page 1  
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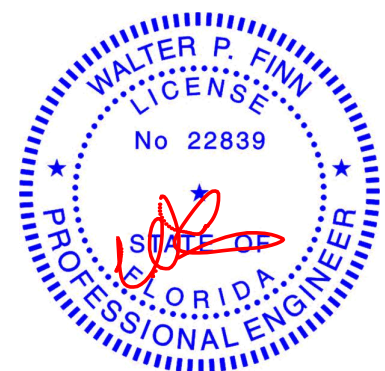
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.12	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 50 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	

**REACTIONS.** All bearings 11-3-4.  
(lb) - Max Horz 1=165(LC 9)  
Max Uplift All uplift 100 lb or less at joint(s) 5 except 1=114(LC 10), 8=321(LC 12), 6=320(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=339(LC 19), 6=339(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 2-8=355/351, 4-6=355/351

- 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=18ft; 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) Gable requires continuous bottom chord bearing.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 1=114, 8=321, 6=320.



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Date:

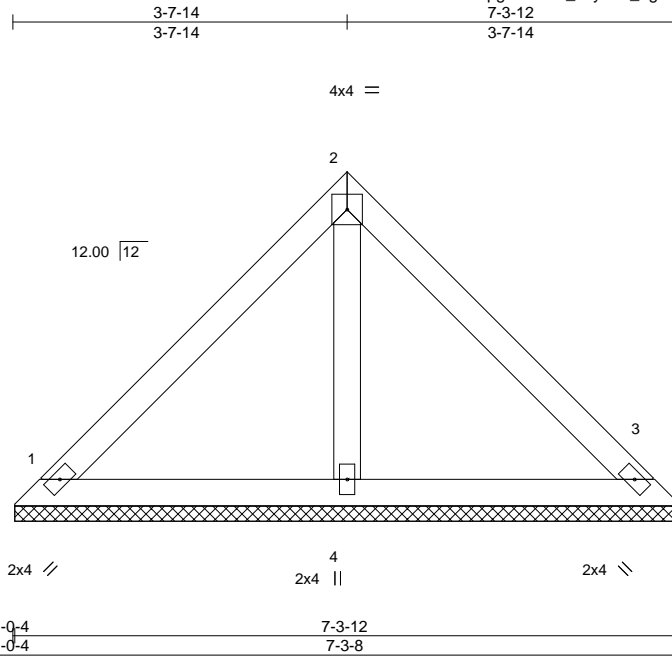
November 22,2020

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - PEACE/ROBERTS RES.	T21969641
2465503	V05	Valley	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Sat Nov 21 17:46:39 2020 Page 1  
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Scale = 1:25.2

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)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.11	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 29 lb	FT = 20%

#### LUMBER-

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 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 10-0-0 oc bracing.

**REACTIONS.** (size) 1=7-3-4, 3=7-3-4, 4=7-3-4  
Max Horz 1=-103(LC 8)  
Max Uplift 1=-62(LC 13), 3=-62(LC 13), 4=-57(LC 12)  
Max Grav 1=136(LC 1), 3=136(LC 1), 4=217(LC 1)

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

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

November 22,2020

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

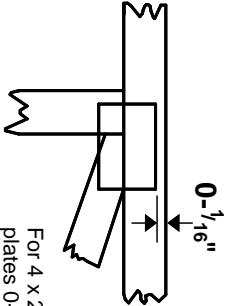
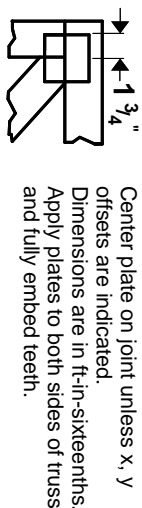


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# Symbols

## PLATE LOCATION AND ORIENTATION



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.

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

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

## PLATE SIZE

4 X 4

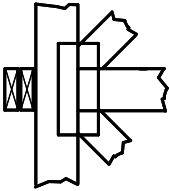
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



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

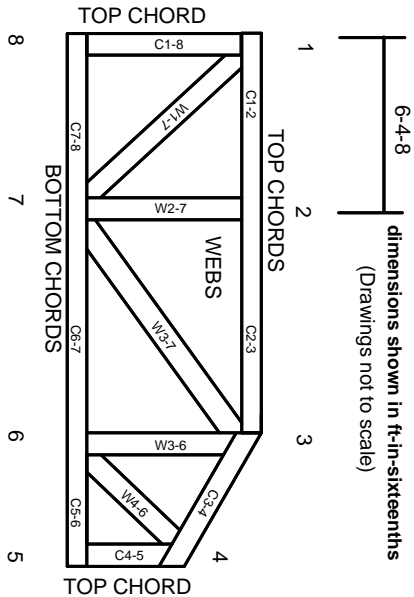
## BEARING



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

**Industry Standards:**  
ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.  
DSB-89: 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/TP1 section 6.3 These truss designs rely on lumber values established by others.

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



# General Safety Notes

## Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.